Docusign Envelope ID: 9260B3DA-1262-498A-862F-6B3F056C11A0

TAN 26-14

NEW YORK STATE | Thruway Authority

BUFFALO DIVISION

PLANS FOR

PAVEMENT REHABILITATION
BETWEEN I-190 INTERCHANGES 1 TO 5
FROM MILEPOST 900.7 TO 904.2

AND

BRIDGE STEEL REPAIRS AND JOINT REPLACEMENTS

IN

ERIE COUNTY

TAN 26-14 D215082

421 SHEETS



TYPE OF CONSTRUCTION:

FULL DEPTH PAVEMENT REPAIR, PORTLAND CEMENT CONCRETE PAVEMENT REHABILITATION, MILL AND ASPHALT INLAY, OVERHEAD SIGN STRUCTURE CONSTRUCTION AND LIGHTING REPLACEMENT, BRIDGE STEEL REPAIRS AND JOINT REPLACEMENTS, GUIDE RAIL REPLACEMENT, PAVEMENT MARKINGS.

STANDARD SHEETS:

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYSDOT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

THE LATEST REVISIONS OF THE NYSTA STANDARD SHEETS MAINTAINED BY THE AUTHORITY, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) LISTED ON DWG. SS-1 UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

NOTES:

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR CHANGES SET FORTH IN THE CONTRACT "PROPOSAL".

DIG SAFELY NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

REVIEWED BY

PROJECT MANAGER

BUREAU DIRECTOR

CONTRACTOR'S NAME: .....

AWARD DATE:

COMPLETION DATE: .....

FINAL ACCEPTANCE DATE: .....

INSPECTION FIRM'S NAME: .....

RESIDENT ENG./EIC: .....

FINAL COST TOTAL: .....

FISCAL SHARE	COST(S)

INSPECTION FIRM
CONSULTANT STAMP:

PREPARED AND RECOMMENDED BY:

Joseph V. Kleinmann — DATE 12/30/2025

CHA CONSULTING INC.
JOSEPH KLEINMANN JR., P.E.
N.Y.S. LICENSE NUMBER - 092577

DocuSigned by:
RECOMMENDED BY: Mark A. Mattice — 01/08/2026
9691BB0CE954EB... DIRECTOR, OFFICE OF DESIGN — DATE

DocuSigned by:
RECOMMENDED BY: Patty Stanczyszyn — 01/08/2026
AE553320B60F4E7... DIVISION DIRECTOR — DATE

Signed by:
RECOMMENDED BY: Rochelle Hosley — 01/09/2026
A7201EA3D452495... TRAFFIC ENGINEER — DATE

DocuSigned by:
RECOMMENDED BY: Charles Whetstone — 01/09/2026
4BC1093E37334B1... DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT — DATE

Signed by:
RECOMMENDED BY: Kevin Wisely — 01/09/2026
535D05A3AB80460... DIRECTOR OF MAINTENANCE AND OPERATIONS — DATE

DocuSigned by:
APPROVED BY: — 01/09/2026
381E8D849844A7... CHIEF ENGINEER — DATE

TAN 26-14

ALIGNMENT

ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
℄	BASELINE
BRG	BEARING
℄	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL	HORIZONTAL CONTROL LINE
HSD	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
ℳ	MAIN LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POL	POINT ON LINE
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA	STATION
T	TANGENT LENGTH
TGL	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC	VERTICAL CURVE

UTILITIES

ABBR.	DESCRIPTION
E	ELECTRIC
EMH	ELECTRIC MANHOLE
G	GAS
GP	GUY POLE
GSB	GAS SERVICE BOX (HOUSE LINE)
GV	GAS VALVE (MAIN LINE)
HYD	HYDRANT
LP	LIGHT POLE
LPG	LOW PRESSURE GAS
PP	POWER POLE
SA	SANITARY SEWER
SMH	SANITARY MANHOLE
ST	STORM SEWER
T	TELEPHONE
TCB	TRAFFIC CONTROL BOX
TELBOX	TELEPHONE BOX
TEL P	TELEPHONE POLE
TMH	TELEPHONE MANHOLE
CTV	CABLE TELEVISION
W	WATER
WSB	WATER SERVICE BOX (HOUSE LINE)
WV	WATER VALVE (MAIN LINE)

TOPOGRAPHY (MISCELLANEOUS)

ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
CC	CENTER TO CENTER
CONC	CONCRETE
CONST	CONSTRUCTION
CR	COUNTY ROAD
D	DEED DISTANCE
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
FEE	FEE ACQUISITION
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GR	GRAVEL
HO	HOUSE
HWY	HIGHWAY
IP	IRON PIN OR IRON PIPE
MB	MAILBOX
MON	MONUMENT
N&W	NAIL AND WASHER
OG	ORIGINAL GROUND
O/H	OVERHEAD
P	PARCEL
PAV'T	PAVEMENT
PE	PERMANENT EASEMENT
PED POLE	PEDESTRIAN POLE
ℙ	PROPERTY LINE
POR	PORCH
RR	RAILROAD
RTE	ROUTE
ROW	RIGHT OF WAY
RW	RETAINING WALL
SH	STATE HIGHWAY
SHLDR	SHOULDER
SPK	SPIKE
ST	STREET
STK	STAKE
STY	STORY
SW	SIDEWALK
TE	TEMPORARY EASEMENT
TO	TEMPORARY OCCUPANCY
U/G	UNDERGROUND
WW	WING WALL

TOPOGRAPHY (DRAINAGE)

ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
℄ STRM	CENTERLINE OF STREAM
CMP	CORRUGATED METAL PIPE
CP	CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
DIA	DIAMETER
DMH	DRAINAGE MANHOLE
DS	DRAINAGE STRUCTURE PIPE
D'XING	DITCH CROSSING
EHW	EXTREME HIGH WATER
EL	ELEVATION
ELEV	ELEVATION
ELW	EXTREME LOW WATER
ES	END SECTION
HW	HEADWALL
INV	INVERT
MH	MANHOLE
MHW	MEAN HIGH WATER
OHW	ORDINARY HIGH WATER
OLW	ORDINARY LOW WATER
RCP	REINFORCED CONCRETE PIPE
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE

SUBSURFACE EXPLORATION

ABBR.	DESCRIPTION
	REPLACE ABBREVIATION "AB" WITH:
AH	HAND AUGER
CP	CONE PENTROMETER
DA	2¼ INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
	TO BE DEFINED AT THE TIME OF EXPLORATION
SP	SEISMIC POINT
TP	TEST PIT
	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

INDEX OF DRAWINGS

DWG. NUMBER	TITLE OF DRAWING	SHEET NO.
COVER	COVER	1
IND-1	ABBREVIATION AND INDEX	2
LEG-1 & LEG-2	LEGEND AND ABBREVIATIONS	3 - 4
SS-1	STANDARD SHEET AND WORK TYPE TABLES	5
GN-1	GENERAL NOTES	6
KP-1	LOCATION PLAN KEY MAP	7
TYP-1 TO TYP-8	EXISTING AND PROPOSED TYPICAL SECTIONS	8 - 15
BLT-1	SURVEY BASELINE TIES	16
AGL-1 TO AGL-4	ALIGNMENT DATA SHEETS	17 - 20
TCN-1 TO TCN-2	TRAFFIC CONTROL NOTES	21 - 22
GPTCP-1	CONSTRUCION SEQUENCE GENERAL PLAN	23
TSTCP-1 TO TSTCP-5	WORK ZONE STAGING TYPICAL SECTIONS	24 - 28
WZMSD-1	WORK ZONE MISCELLANEOUS DETAILS	29
WZMST-1	WORK ZONE MISCELLANEOUS TABLES	30
CSTCP-1 TO CSTCP-9	WORK ZONE CONSTRUCTION STAGING	31 - 39
TCP-1 TO TCP-117	WORK ZONE TRAFFIC CONTROL PLANS	40 - 156
WDTCP-1 TO WDTCP-14	WORK ZONE CROSS-OVER DETAILS	157 - 170
CPTCP-1 TO CPTCP-19	TRAFFIC CONTROL DETOUR PLANS	171 - 189
MD-1 TO MD-12	MISCELLANEOUS DETAILS	190 - 201
MT-1 TO MT-19	MISCELLANEOUS TABLES	202 - 220
CPR-1 TO CPR-27	CONCRETE PAVEMENT REPAIR PLANS	221 - 247
CPRT-1 TO CPRT-22	CONCRETE PAVEMENT REPAIR TABLES	248 - 269
PL-1 TO PL-33	ROADWAY PLANS	270 - 302
LD-1 TO LD-4	LIGHTING DETAILS	303 - 306
LP-1 TO LP-14	LIGHTING PLANS	307 - 320
SSP-1 TO SSP-16	SIGN AND STRIPING PLANS	321 - 336
SDS-1 TO SDS-6	SIGN DATA SHEET	337 - 342
PMT-1 & PMT-2	PAVEMENT MARKING TABLE	343 - 344
OSN-01 & OSN-02	OVERHEAD SIGN STRUCTURES GENERAL NOTES	345 - 346
OSM-01	LOCATION MAP	347
OSP-01 TO OSP-24	GENERAL PLANS AND ELEVATIONS	348 - 371
OSD-01 TO OSD-16	OVERHEAD SIGN STRUCTURE DETAILS	372 - 387
OSD-17	BRIDGE MOUNTED SIGN REMOVAL DETAILS - BIN 5512290	388
EQ-1	BRIDGE ESTIMATE OF QUANTITIES & INDEX	389
BT-1	BRIDGE TABLES	390
BP-1 TO BP-8	BRIDGE PLANS	391 - 398
JD-1 TO JD-7	BRIDGE JOINT DETAILS	399 - 405
BR-1 & BR-2	BRIDGE DECK, APPROACH SLAB & HEADER REPAIRS	406 - 407
BL-1 TO BL-10	BAR LIST	408 - 417
ST-1 TO ST-4	STRUCTURAL STEEL REPAIR DETAILS	418 - 421

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft^2	SF	SQUARE FEET
YD^2	SY	SQUARE YARD
AC	AC	ACRES
YD^3	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

GUIDERAIL TYPES

ABBR.	DESCRIPTION
BBGR	BOX BEAM GUIDE RAIL
BBMB	BOX BEAM MEDIAN BARRIER
CBGR	CORRUGATED BEAM GUIDE RAIL
CBMB	CORRUGATED BEAM MEDIAN BARRIER
HPBO	HEAVY POST BLOCKED-OUT
SSC	SINGLE SLOPE CONCRETE
SSCMB	SINGLE SLOPE CONCRETE MEDIAN BARRIER
SSCHB	SINGLE SLOPE CONCRETE HALF SECTION BARRIER

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
DRAWING INDEX AND ABBREVIATION

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: IND-1

ALIGNMENT

STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)
	AD_P	DETOUR
	AT_P	TRANSITION CONTROL

BRIDGE

STYLE	NAME	DESCRIPTION
	BR	RAIL
	BSHT	SHEET PILING

CONTROL

STYLE	NAME	DESCRIPTION
℄	CB	BASELINE
	CBPR	BASELINE, PROJECTION

DRAINAGE

STYLE	NAME	DESCRIPTION
ST	DCP	CULVERT PIPE
ST	DCP_P	CULVERT PIPE (DIR)
	DDG_P	DITCH, GRASS LINED
	DDP_P	DITCH, PAVED INVERT
	DDS_P	DITCH, STONE LINED
	DFL_P	FLOW LINE
	DSSD	SLOTTED DRAIN
UD	DUD_P	UNDERDRAIN

ENVIRONMENTAL

STYLE	NAME	DESCRIPTION
	EFNS	FENCE, SILT
	EFNSV	FENCE, SILT & VEGETATION
	EFNV	FENCE, VEGETATION

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

LANDSCAPE

STYLE	NAME	DESCRIPTION
	LABL	AREA, BRUSH LINE
	LAHR	AREA, HEDGE ROW
	LAPB	AREA, PLANTING BED
	LAWA	AREA, WOODED AREA OUTLINE
	LAWE	AREA, WATERS EDGE
	LCUT_P	CUT LIMIT
	LFILL_P	FILL LIMIT
	LFNC	FENCE
	LTRC	TREE ROW, CONIFEROUS
	LTRD	TREE ROW, DECIDUOUS
	LWH	WALL, H PILE
	LWR	WALL, RETAINING
	LWS	WALL, STONE

ROW MAPPING

STYLE	NAME	DESCRIPTION
	MDL	DEED LINE
PE	MEE	EASEMENT, EXISTING
PE	MEP_P	EASEMENT, PERMANENT
APE	MEPA_P	EASEMENT, PERMANENT, APPROX.
TE	MET_P	EASEMENT, TEMPORARY
ATE	META_P	EASEMENT, TEMPORARY, APPROX.
FEE	MF_P	FEE ACQUISITION, W/ ACCESS
AFEE	MFA_P	FEE ACQUISITION, APPROXIMATE
	MFS_P	FEE ACQUISITION, SHAPE
FEE W/OA	MFWOA_P	FEE ACQUISITION, W/O ACCESS
	MHA	HISTORICAL, ACQUISITION
HB	MHB	HIGHWAY BOUNDARY
AHB	MHBA	HIGHWAY BOUNDARY, APPROX.
	MHBW	HWY BOUNDARY, FACE OF WALL
HB W/OA	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS
	MJC	JURISDICTION, CITY
	MJCY	JURISDICTION, COUNTY
	MJHD	JURISDICTION, HISTORIC DISTRICT
	MJLL	JURIS., (GREAT, MILITARY) LOT LINE
	MJN	JURISDICTION, NATION
	MJPB	JURISDICTION, PUBLIC LANDS
	MJS	JURISDICTION, STATE
	MJT	JURISDICTION, TOWN
	MJV	JURISDICTION, VILLAGE
	MPL	PROPERTY LOT LINE
	MPLA	PROPERTY LOT LINE, APPROXIMATE
	MSL	SUB LOT LINE

ROADWAY

STYLE	NAME	DESCRIPTION
CZ	RCZ_P	CLEAR ZONE
	RG	GUIDE RAIL, MISCELLANEOUS
	RGB	GUIDE RAIL, BOX BEAM
	RGBM	GUIDE RAIL, BOX BEAM, MEDIAN
	RGC	GUIDE RAIL, CABLE
	RGCB	GUIDE RAIL, CONCRETE BARRIER
	RGP_P	GUIDE POST
	RGW	GUIDE RAIL, W BEAM
	RGWM	GUIDE RAIL, W BEAM, MEDIAN
	RPB	PARKING BUMPER
	RRC	RAIL ROAD, CATENARY
3R	RRER	RAIL ROAD, 3RD RAIL
	RRPLS_P	RAIL, PHOTO, LARGE SCALE
	RRPSS	RAIL, PHOTO, SMALL SCALE
	RRS	RUMBLE STRIP
	RRSLS_P	RAIL, SURVEY, LARGE SCALE
	RRSSS	RAIL, SURVEY, SMALL SCALE

SIGNS

STYLE	NAME	DESCRIPTION
	SBLB	BILLBOARDS
	SM	MULTIPLE POST
	SSO	STRUCTURE, OVERHEAD
	SSOC	STRUCTURE, OVHD. CANTILEVER

STRIPING

STYLE	NAME	DESCRIPTION
	STB•	BROKEN LINE
	STDB•	DOUBLE BROKEN LINE
	STDL•	DOTTED LINE LONG
	STDS•	DOTTED LINE SHORT
	STFB•	FULL BARRIER LINE
	STH•	HATCH LINE
	STPB•	PARTIAL BARRIER LINE
	STRCT	ROUNDABOUT, CAT TRACKS
	STRYL	ROUNDABOUT, YIELD LINE
	STSB	STOP BAR
	STSE•	SOLID, EDGE
	STXL	X WALK, LADDER LINE
	STXLB	X WALK, LADDER BAR LINE

• = W (WHITE) OR Y (YELLOW)

TRAFFIC CONTROL

STYLE	NAME	DESCRIPTION
	TCSW	SIGNAL, SPAN WIRE

TRAFFIC WORK ZONE

	NAME	DESCRIPTION
	TWZBT_P	BARRIER, TEMPORARY
	TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	TWZCD_P	CHANNELIZING DEVICE
	TWZPWRC_P	PAVEMENT MARKING REMOVAL OR COVERING

UTILITIES

STYLE	NAME	DESCRIPTION
C	UC	CONDUIT, UNDERGROUND
]C[	UCH	CONDUIT, HANGING
OC	UCO	CONDUIT, OVERHEAD
E	UE	ELECTRIC LINE, UNDERGROUND
]E[	UEH	ELECTRIC LINE, HANGING
OE	UEO	ELECTRIC LINE, OVERHEAD
OET	UETO	ELECTRIC TRANSMISSION, OVERHEAD
	UESS	ELECTRIC, SUBSTATIONS
FO	UFO	FIBER OPTIC, UNDERGROUND
]FO[	UFOH	FIBER OPTIC, HANGING
OFO	UFOO	FIBER OPTIC, OVERHEAD
G	UG	GAS, UNDERGROUND
]G[	UGH	GAS, HANGING
OG	UGO	GAS, OVERHEAD
IC	UIC	INFORM CABLE, UNDERGROUND
]IC[	UICH	INFORM CABLE, HANGING
O	UO	OIL LINE, UNDERGROUND
]O[	UOH	OIL LINE, HANGING
	UPBP	POLE, BRACE, PUSH BRACE
	UPGW	POLE, GUY WIRE
SA	USA	SANITARY SEWER, UNDERGROUND
]SA[	USAH	SANITARY SEWER, HANGING
SAF	USAF	SANITARY SEWER, FORCE MAIN, UGND
]SAF[	USAFH	SANITARY SEWER, FORCE MAIN, HANG
T	UT	TELEPHONE, UNDERGROUND
]T[	UTH	TELEPHONE, HANGING
OT	UTO	TELEPHONE, OVERHEAD
CTV	UTV	CABLE TV, UNDERGROUND
]CTV[	UTVH	CABLE TV, HANGING
OCTV	UTVO	CABLE TV, OVERHEAD
UU	UUU	UNKNOWN, UNDERGROUND
]UU[	UUH	UNKNOWN, HANGING
OUU	UUO	UNKNOWN, OVERHEAD
W	UW	WATER LINE, UNDERGROUND
]W[	UWH	WATER LINE, HANGING
OW	UWO	WATER LINE, OVERHEAD

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacobb.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
LEGEND AND ABBREVIATION

CONTRACT NUMBER:
TAN 26-14

DATE:
DEC. 2025

DRAWING NUMBER:
LEG-1

ALIGNMENT

CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE
	ACOGO	COGO
	ACS	CURVE TO SPIRAL
	ADPI_P	DETOUR, POINT OF INTERSECT.
	ADPL_P	DETOUR, POINT ON LINE
	AEQN	EQUATION
A	AEQNAHD	EQUATION AHEAD
B	AEQNBK	EQUATION BACK
	AEVT	EVENT STATION
	APC	POINT OF CURVATURE
	APCC	POINT OF COMPOUND CURVATURE
	API	POINT OF INTERSECTION
	APOB	POINT OF BEGINNING
	APOC	POINT OF CURVATURE
	APOE	POINT OF END
	APOL	POINT ON LINE
	APOS	POINT ON SPIRAL
	APOT	POINT ON TANGENT
	APOVC	POINT ON VERTICAL CURVE
	APOVT	POINT ON VERTICAL TANGENT
	APORC	POINT ON REVERSE CURVE
	APT	POINT OF TANGENCY
	APVC	POINT OF VERTICAL CURVATURE
	APVCC	POINT OF VERT. CMPND CURVE
	APVI	POINT OF VERT. INTERSECTION
	APVRC	POINT OF VERT. REVERSE CURVE
	APVT	POINT OF VERTICAL TANGENCY
	ASC	SPIRAL TO CURVE
	ASPI	SPIRAL POINT OF INTERSECTION
	ASTS	SPIRAL TO SPIRAL
	AST	SPIRAL TO TANGENT
	ATS	TANGENT TO SPIRAL
	AVEVT	VERTICAL EVENT POINT
	AVHIGH	VERTICAL HIGH POINT
	AVLOW	VERTICAL LOW POINT

DRAINAGE

CELL	NAME	DESCRIPTION
	DINV	INVERT
	DS	STRUCTURE, RECTANGULAR
	DSI	STRUCTURE, INVERT
	DSM	STRUCTURE, MANHOLE
	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96
	DSR	STRUCTURE, ROUND
	DST"X"CB P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R
	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U

ENVIRONMENTAL

CELL	NAME	DESCRIPTION
CULV	EIOP_P	STR., INLET, OUTLET PROT.
GB	EIPGB_P	STR., INLET PROT., GRAVEL BAG
H/S	EIPHS_P	STR., INLET PROT., HAY/STRAW
PRFB	EIPP_P	STR., INLET PROT., PREFAB.
SF	EIPSF_P	STR., INLET PROT., SILT FENCE
	ERCB	RISER, CONCRETE BOX
	ETRS_P	TRAP, SEDIMENT
	EWFG	WETLAND FLAG

GEOTECHNICAL

CELL	NAME	DESCRIPTION
	GDH	DRILL HOLE

LANDSCAPE

CELL	NAME	DESCRIPTION
	LELS	ELEVATION, SPOT
	LPST	POST, SINGLE
	LRB	ROCK, BOULDER
	LSHC	SHRUB, CONIFEROUS
	LSHD	SHRUB, DECIDUOUS
	LTC	TREE, CONIFEROUS
	LTD	TREE, DECIDUOUS
	LTS	TREE, STUMP
	LTW P	TREE, WELL OR WALL
	LUKP	UNKNOWN POINT

ITS

CELL	NAME	DESCRIPTION
A	IANT P	ANTENNAS
AD	IASCTS	ACCOU. SPEED/COUNT SNSR.S
CP	ICABPAD	CABINET & PAD
	ICCTV	CCTV SITE
CDPD	ICDPD	CDPD TRANSCEIVER
	ICELLT	CELL PHONE TOWER
	ICJB	CONDUIT JACK OR BORING
	ICNTLCAB	CONTROLLER CABINET
C	ICPB	COMMUNICATION PULL BOX
	ICTD	CONDUIT TURNING DOWN
	ICTU	CONDUIT TURNING UP
C	ICVTRT	COMM. VEH. ROAD TRANSCEIVER
	IDEFAULT	DEFAULT
EZ	IEZR	E-ZPASS READER
EZ-T	IEZTR	TRANSMITTAL READER
XC	IFOXCAB	FIBER OPTIC X-CONNECT CABINET
	IFUSSPL	FUSION SPLICE
	IHARADV	HAR ADVISORY SIGN
H	IHARST	HAR SITE
LC	ILC	LOAD CENTER
	IMECSPL	MECHANICAL SPLICE
PM	IMSCS	PORT. SPEED & COUNT SENSOR
M	IMSCTS	MICRO SPEED & COUNT SENSOR
M	IMT	MICROWAVE TRANSCEIVER
VMS	IOVHVMS	PERM. OVERHEAD VMS
PA	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR
	IPEDS	PEDESTRIAN SIGNAL HEAD
	IPSS	PAVEMENT SURFACE SENSOR
PVMS	IPVMS	PERM. VMS
RM	IRM	RAMP METER
RWIS	IRWIS	RDWY WEATHER INFO. SENSOR
	ISP	SOLAR PANEL
SS	ISST	SPREAD SPECT. TRANSCEIVER
TC	ITDB	TELEPHONE DEMARCATION BLK
TP	ITP	SUBSURFACE TEMP. PROBE
	IVTRT	VEHICLE TO RDWY TRANSCEIVER
WIM	IWIMD	WEIGHT IN MOTION DETECTOR
WVR	IWVR	WIRELESS VIDEO REPEATER
V	IWVRC	WIRELESS VIDEO RECEIVER
V	IWVTT	WIRELESS VIDEO TRANSMITTER

ROW MAPPING

CELL	NAME	DESCRIPTION
	MDL1P	DEED LINE, TYPE 1
	MDL2P	DEED LINE, TYPE 2
	MDL3P	DEED LINE, TYPE 3
	MDL4P	DEED LINE, TYPE 4
	MDL5P	DEED LINE, TYPE 5
	MEEP	EASEMENT, EXISTING
A	MEPAP_P	EASEMENT, PERM., APPROX.
	MEPP_P	EASEMENT, PERM., BACK LINE
	MEPSP_P	EASEMENT, PERM., SHAPE
A	MFAP_P	FEE ACQUISITION, APPROX.
	MFP_P	FEE ACQUISITION, BACK LINE
	MFSP_P	FEE ACQUISITION, SHAPE
	MHBAP	HIGHWAY BNDRY., APPROX.
	MHBCP	HISTORICAL, BLDG. CORNERS
	MHBP	HIGHWAY BNDRY, PT.
	MJCP	PT., JURIS. CITY
	MPBC	PT., BUILDING CORNER
	MPCC	PT., CROSS CUT
	MPDH	PT., DRILL HOLE
	MPF	PT., FENCE LOCATION
	MPIP	PT., IRON PIPE
	MPIR	PT., IRON ROD
	MPM	PT., MONUMENT
	MPMM	PT., MONUMENT, MISC.
	MPN	PT., NAIL
	MPRS	PT., RAILROAD SPIKE
	MPSP	PT., SPIKE
	MPST	PT., STAKE
	MPTW	PT., TREE W/ WIRE
	MPWL	PT., WALL LOCATION

ROW ACQUISITION

CELL	NAME	DESCRIPTION
M1 P1 FEE	MFS_P_T	FEE ACQUISITION
M1 P1 PE	MEPS_P_T	EASEMENT, PERMANENT
M1 P1 TE	METS_P_T	EASEMENT, TEMPORARY
M1 P1 TO	METS_P_T	OCCUPANCY, TEMPORARY
M1 P1 FEE WO/A	MFS_P_T	FEE ACQUISITION W/O ACCESS

ROADWAY

CELL	NAME	DESCRIPTION
	RES P	ELEVATION, SPOT
	RGA	GUIDE RAIL, ANCHOR
	RGP	GUIDE POST, SINGLE

SIGNS

CELL	NAME	DESCRIPTION
	S	SINGLE POST
	S_P	SINGLE POST, PROPOSED
	SB_P	BACK TO BACK, PROPOSED
	SDEL	DELINEATORS
	SPM	PARKING METER
REM	SRM	REFERENCE MARKERS
	SRSC3	SHLD, CTY, 123 DIG.
	SRSC4	SHLD, CTY, 4 DIG.
	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.
	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.
	SRSI	SHLD, INTERSTATE
	SRSN2	SHLD, NATIONAL, 2 DIG.
	SRSN3	SHLD, NATIONAL, 3 DIG.
	SRSS2	SHLD, STATE, 2 DIG.
	SRSS3	SHLD, STATE, 3 DIG.
	SRSS4	SHLD, STATE, 4 DIG.

BRIDGE

CELL	NAME	DESCRIPTION
	BSC	BRIDGE, SCUPPER

CONTROL

CELL	NAME	DESCRIPTION
	CBP	BASELINE, POINT
	CBPOL	BASELINE, POINT ON LINE
	CBSP	BASELINE, SPUR POINT
	CBTP	BASELINE, TIE POINT
	CPBM	BENCHMARK
	CPH	POINT, HORIZ. PHOTOGRAMMETRY
	CPSM	POINT, SURVEY MARKER, PERM.
	CPSV	POINT, VERT., PHOTOGRAMMETRY

UTILITIES

CELL	NAME	DESCRIPTION
E	UEB	ELECTRIC, BOX
E	UEM	ELECTRIC, METER
E	UEMH	ELECTRIC, MANHOLE
	UEPT	ELECTRIC, POLE, TRANS.
G	UGM	GAS, METER
G	UGMH	GAS, MANHOLE
	UGLM	GAS, LINE MARKER
FP	UGP	GAS/FUEL PUMP
	UGV	GAS, VALVE
	UGVT	GAS, VENT
	ULP	LIGHTING, POLE
	ULPM	LIGHTING, POLE, MEDIAN
	ULPP	LIGHTING, POLE, PED.
	UMFC	MISC. FILLER CAP
	UOLM	OIL, LINE MARKER
	UP	POLE, WITH UTILITY
	UPD	POLE, DEAD (NO UTILITY)
	UPL	POLE, WITH LIGHT
S	USMH	SANITARY SEWER MANHOLE
P	UTB	TELEPHONE, BOOTH
	UTLM	TELEPHONE, LINE MARKER
T	UTMH	TELEPHONE, MANHOLE
	UTVLM	CABLE TV, LINE MARKER
C	UTVPB	CABLE TV, PULL BOX
	UUB	UNKNOWN, BOX
	UUJB	UNKNOWN, JUNCTION BOX
	UUMH	UNKNOWN, MANHOLE
	UUPB	UNKNOWN, PULL BOX
	UUVL	UNKNOWN, VALVE
	UUVT	UNKNOWN, VENT
	UUW	UNKNOWN, WELL
	UWFH	WATER, FIRE HYDRANT
W	UWM	WATER, METER
W	UWMH	WATER, MANHOLE
	UWV	WATER, VALVE
	UWW	WATER, WELL

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LEGEND AND ABBREVIATION
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LEG-2

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

New York State Thruway Authority Standard Sheets

The following NYS Thruway Authority standard sheets, marked with an "X" in first column, apply to this project.

X	SHEET NO.	SUBJECT
	TA 201-01	Clearing and Grubbing *(Dwg. CG)*
X	TA 203-01	Shoulder Backup 1R Projects *(Dwg. SB)*
	TA 203-02	Slope Flattening Details
X	TA 404-01	Highway Pavement Repair Details *(Dwg. PRD)*
X	TA 404-02	Bridge Deck Wearing Course Resurfacing *(Dwg. BDR)*
X	TA 404-03	Overhead Bridge Underclearance Improvement *(Dwg. BU)*
	TA 603-01	Culvert Extension Details
X	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail *(Dwg. GR-1)*
	TA 606-02	*Vacant*
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D *(Dwg. GR-4)*
X	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection *(Dwg. GR-5)*
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection *(Dwg. GR-6)*
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 606-08	Transition HPBO Corrugated Beam Median Guide Railing to HPBO Corrugated Beam Guide Railing
	TA 611-01	Living Snow Fences
	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
X	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
X	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
X	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
X	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
X	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
X	TA 619-15	Lane Shift: 55 MPH Zone
X	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
X	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
X	TA 619-18	Mobile Lane Closure
X	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
X	TA 619-21	Short-Duration Double Lane Closure
X	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
X	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
X	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
X	TA 619-25	Work Zone Traffic Control for Pavement Striping Operations at Interchanges, Service Areas and Parking Areas
	TA 619-26	Temporary Rock Catchment Barrier (Sheets 1-3)
X	TA 619-27	Workzone Overhead Gantry Signing
	TA 619-30	New York Division Traffic Management Tables (Sheets 1-28)
	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-32	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-34	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-35	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
X	TA 619-36	Buffalo Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
X	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
X	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
X	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
X	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10 ft Treadle Frame (Sheets 1-4)

The officially adopted New York State Thruway Authority Standard Sheets book is available on the Thruway Authority's website at: http://www.thruway.ny.gov/business/contractors/standard-sheets/index.shtml

Highway Work Type

The marked types & treatments apply to the indicated milepost range(s) below.

MILEPOST FROM:	900.7						
TO:	904.2						
PROJECT TYPE	**X**	**X**	**X**	**X**	**X**	**X**	**X**
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements							
Drainage							
Rock Slope Remediation							
Pavement Striping							
Other: CPR with Asphalt Overlay	X						
PAVEMENT TREATMENT	**X**	**X**	**X**	**X**	**X**	**X**	**X**
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling							
1" Mill & Inlay without Shoulders							
1" Mill & Inlay with Shoulders							
2" Mill & Inlay without Shoulders							
2" Mill & Inlay with Shoulders							
Mill to Concrete with 4" Overlay							
Mill to Concrete with 4.5" Overlay							
Mill to Concrete with 5" Overlay							
Crack and Seat with Overlay							
Rubblize with Overlay							
Other: CPR	X						

New York State Department of Transportation Standard Sheets

The latest revisions of the New York State Department of Transportation Standard Sheets maintained by NYSDOT, which are current as of the Standard Specifications adoption date shown on the Proposal cover, shall be considered to be in effect. All pay items and work contained in the Contract and any additional pay items and work encountered during the course of the Contract shall be subject to the applicable standard sheet(s) unless otherwise specified in the Contract documents.

The officially adopted New York State Department of Transportation Standard Sheets book is available on the NYSDOT website at:
https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc

Structure Work Type

The marked types apply to the indicated milepost(s) below.

BRIDGE(S):	CLINTON ST	WORTHINGTON	SENECA ST	MILTON ST	BABCOCK ST	PEABODY ST	SELKIRK ST/CSX RR/NS RR	SMITH ST	ERIE RAILROAD	VAN RENSSELAER ST	CSX RAILROAD	HAMBURG ST
MILEPOST(S):	901.56	901.88	902.22	902.44	902.63	902.84	902.99	903.14	903.34	903.48	903.79	903.79
B.I.N.	5046459	5512199	5011959	5512209	5512219	5512229	5512239	5512249	5512259	5512269	5512279	5512289
PROJECT TYPE	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
Bridge Washing												
Scour Protection												
Channel Cleaning												
Railing System												
Protective Screening												
Painting												
Steel Repair						X		X		X		
Wearing Surface Treatment												
Deck Repairs	X	X	X	X	X	X	X	X	X	X	X	X
Joint Rehabilitation												
Joint Replacement	X		X	X	X	X		X	X	X	X	X
Bearing Rehabilitation												
Bearing Replacement												
Hanger Pin Replacement												
Security												
Seismic Retrofit												
Substructure Rehabilitation												
Electrical												
Cathodic Protection System												
Fendor or Pier Protection System												
Deck Replacement												
Superstructure Replacement												
Bridge Replacement												
Added Bridge (New Location)												
Abandoned Bridge												
Protective Sealing of Ex. Bridge Decks		X					X					
Approach Slab Repairs	X	X	X	X	X	X	X	X	X	X	X	X
Other:												

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 · www.chacobl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: STANDARD SHEET AND WORK TYPE TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: SS-1

GENERAL NOTES

1. ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE CURRENT VERSION NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR CHANGES SET FORTH IN THE CONTRACT "PROPOSAL."

2. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE THEIR WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES AND THEY SHALL SCHEDULE THEIR OPERATIONS SO AS TO CAUSE A MINIMUM DISRUPTION TO TRAFFIC.

3. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT NO EMBANKMENT AREA FOR SURPLUS MATERIAL IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED BY THE CONTRACTOR OFF THE AUTHORITY'S PROPERTY. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE REGULATIONS THAT APPLY TO THE AREA CHOSEN FOR THE DISPOSAL OF THIS MATERIAL. ALL COST ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

REHABILITATION NOTES

1. THE CONTRACTOR SHALL EXAMINE AND VERIFY, IN THE FIELD, ALL CONDITIONS AND DIMENSIONS. DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FORM THE ORIGINAL CONSTRUCTION OR SUBSEQUENT REHABILITATION DRAWING AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER. WHEN SHOP DRAWING BASED ON THE FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REFERENCE OF THE REVIEWER.

2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THAT FACT THAT, DUE TO THE NATURE OF REHABILITATION PROJECTS, THE EXACT EXTENT OF WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAIL AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.

3. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING FACILITY CAUSED BY THEIR OPERATIONS WHICH IS NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGES TO THE EXISTING FACILITY WHICH IS NOT PART OF THE INTENDED WORK SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT COST TO THE AUTHORITY, AND TO THE SATISFACTION OF THE ENGINEER.

4. THE CONTRACTOR SHALL CONDUCT THEIR REMOVAL OPERATIONS TO THE SATISFACTION OF THE ENGINEER SO AS NOT TO UNDULY DISTURB UNDERLYING MATERIAL WHICH ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY. THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPANSE OF THE CONTRACTOR.

REMOVAL, EXCAVATION AND BACKFILL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING AND OTHER DEVICES REQUIRED OR DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF THE ADJACENT STRUCTURES, ROADWAY AND UTILITIES.

2. SHOULDER AREAS DISTURBED BY THE CONTRACTOR, AS PART OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT, SHALL BE RESTORED AS SPECIFIED AND TO THE SATISFACTION OF THE ENGINEER. ALL THE DISTURBED GRASS AREAS SHALL BE GRADED IN A MANNER APPROVED BY THE ENGINEER AND SEEDED AS SPECIFIED IN THE STANDARD SEEDING ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS IN THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.

3. SURPLUS MATERIAL: SURPLUS MATERIAL FROM EXCAVATION AND MISCELLANEOUS SURPLUS MATERIAL: WASTE, SPOILS AND DRAINAGE WORK SHALL BE REMOVED FROM THE PROJECT SITE.

MISCELLANEOUS NOTES

1. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTACT PLANS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.

2. NO ADDITIONAL PAYMENTS WILL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS OR IN THE SPECIFICATION UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBERS. THE COST OF WORK FOR WHICH NO PAYMENT ITEM IS INDICATED, SHALL BE INCLUDED IN THE UNIT PRICES BID FOR VARIOUS ITEMS OF THE CONTRACT.

UTILITY NOTES

1. LOCATION OF EXISTING UTILITIES, PUBLIC AND/OR PRIVATE, AS SHOWN IN THE PLANS OR INDICATED IN THE PROPOSAL ARE APPROXIMATE ONLY. THE EXACT LOCATION OF EACH UTILITY SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES NOT SHOWN ON THE PLANS, WHETHER ABANDONED OR IN SERVICE, MAY EXIST. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THEIR OPERATIONS AND TAKE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR IS ADVISED TO CONTACT DIG SAFELY NEW YORK AT 811 OR 1-800-962-7962 PRIOR TO ANY EXCAVATION.

2. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, THEY SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE THEIR WORK OPERATION UNTIL SERVICE IS RESTORED.

3. THE METHOD OR REMOVAL OF EXISTING ROAD WAY OR SHOULDER PAVEMENT IN THE IMMEDIATE VICINITY OF UNDERGROUND UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

WARNING: UNDERGROUND FIBER OPTIC CONDUIT

1. THE THRUWAY'S FIBER OPTIC "BACKBONE" IS LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS ADVISED TO CONTACT DIG SAFELY NY AT 1-800-962-7962 PRIOR TO ANY EXCAVATION. FURTHERMORE, PURSUANT TO N.Y.S. CODE RULE 753, THE CONTRACTOR MUST BE PREPARED TO VERIFY THE LOCATION OF THE FIBER OPTIC LINE THROUGH HAND DUG TEST HOLES AT ONE OR MORE LOCATIONS WITHIN THE WORK AREA PRIOR TO ANY EXCAVATION. HAND DUG TEST HOLES SHALL BE PAID FOR UNDER ITEM 206.05 - TEST PIT EXCAVATION (EACH).

EXISTING MILE MARKERS / TENTH-MILE MARKERS

1. APPROXIMATE LOCATION OF EXISTING MILE MARKERS AND TENTH-MILE MARKERS ARE SHOWN ON THE PLANS.

MILL AND INLAY NOTES

1. COMPLETE ALL FULL-DEPTH REPAIRS PRIOR TO PRODUCTION COLD MILLING OPERATIONS.

2. ALL MILLED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. TEMPORARY STOCK PILING WILL NOT BE ALLOWED WITHIN THE RIGHT-OF-WAY OF THE THRUWAY AUTHORITY. MILLINGS MAY BE USED AS SHOULDER BACKUP MATERIAL AS APPROVED BY THE ENGINEER.

3. ALL DEBRIS ON THE MILLED SURFACE SHALL BE REMOVED IN ACCORDANCE WITH SECTION 490 (COLD MILLING) OF THE CURRENT STANDARD SPECIFICATIONS.

4. PRIOR TO PERFORMING MILLING OPERATIONS, NYSTA ITEMS SHALL BE CONTACTED TO DISCONNECT THE EXISTING TRAFFIC LOOPS AS SHOWN ON THE PLANS. CONTACT IS ROGER SHEPARD (716) 977-3487.

EROSION & SEDIMENT CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 209 OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARD SHEETS. ADDITIONAL GUIDANCE AND SIZING CRITERIA CAN BE FOUND IN THE MOST CURRENT EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (THE BLUE BOOK) PUBLISHED BY THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION. ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS PER SECTION 107-12 OF THE STANDARD SPECIFICATIONS.

2. THE CONTRACTOR WILL BE REQUIRED TO PERFORM ALL CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE SOIL EROSION AND ENSURE SEDIMENT CONTROL.

3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRECT OR INDIRECT CONTAMINATION OF ALL WATER BODIES (INCLUDING WETLANDS) BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATING CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION PROCEDURES. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY GROUND SURFACES OR WATER BODIES (INCLUDING WETLANDS), NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY GROUND SURFACES OR WATER BODIES (INCLUDING WETLANDS). CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT PIT IN ACCORDANCE WITH STANDARD SPECIFICATIONS SHOWN WITHIN NYSDEC'S 2016 BLUE BOOK (SECTION 2 - RESOURCE PLANNING). SEE CONCRETE WASHOUT DETAIL ON DWG. MD-8. COST SHALL BE INCLUDED IN THE BID PRICE FOR ALL CONCRETE ITEMS.

4. ANY DEBRIS OR EXCESS MATERIAL FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER BODIES (INCLUDING WETLANDS) AND SHALL BE DISPOSED OF AWAY FROM WETLANDS, WATER COURSES, OR OTHER BODIES OF WATER.

5. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AND BE PROTECTED SO THAT IT CAN NOT DIRECTLY OR INDIRECTLY RE-ENTER ANY WATER BODY OR WETLAND AREA.

6. TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS PER SPECIFICATIONS AND IN ACCORDANCE WITH NYSDOT STANDARD SHEETS, SECTION 209 AND WITHIN THE CONTRACT DOCUMENTS. THE COST OF MAINTAINING AND REMOVING TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE BID PRICE OF THE APPROPRIATE ITEM USED FOR THE INSTALLATION OF THE MEASURE. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AFTER EACH STORM EVENT THAT GENERATES RUNOFF. NOTED DEFICIENCIES SHALL BE CORRECTED WITHIN ONE BUSINESS DAY.

CONSTRUCTION QUANTITY NOTES

1. CONTRACTOR SHALL TAKE NOTE THAT BID QUANTITIES FOR CONCRETE PAVEMENT REPAIRS ARE HIGHER THAN THE ASSOCIATED WORK SHOWN IN CONTRACT PLANS. IT IS ANTICIPATED THAT FURTHER DETERIORATION OF THE CONCRETE PAVEMENT WILL HAVE OCCURRED OVER THE COURSE OF THE WINTER, BETWEEN BIDDING PHASE AND THE START OF CONSTRUCTION. ANY NEW DAMAGE FOUND WILL BE ADDED TO THE PROJECT WITH THE APPROVAL OF THE ENGINEER DURING THE EVALUATION AND MARK-OUT PHASE.

WORK TO BE DONE:

THE FOLLOWING IS A GENERAL DESCRIPTION OF THE WORK TO BE DONE UNDER THIS CONTRACT. THIS LIST IS INTENDED TO GIVE THE CONTRACTOR A GENERAL DESCRIPTION OF THE WORK INVOLVED IN THIS CONTRACT AND IS NOT A COMPLETE LISTING OF ALL WORK TO BE DONE. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THIS LIST.

THE CONTRACT COMPLETION DATE IS: NOVEMBER 29, 2028

THE CONTRACTOR SHALL ESTABLISH WORK ZONE TRAFFIC CONTROL (WZTC) AS SHOWN ON PLANS AND USING STANDARD NYSTA WORK ZONE TRAFFIC CONTROL DETAILS AND NOTES AND AS ORDERED BY THE ENGINEER (A.O.B.E).

INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBING AREAS. COMPLETE CLEARING AND GRUBBING OPERATIONS.

COMPLETE TEST PITS ON ALL POTENTIAL UTILITY CONFLICTS. (A.O.B.E.)

MAINLINE MP 900.7 TO MP 904.2 CONCRETE REPAIR/MISCELLANEOUS HIGHWAY WORK

SETUP WZTC AS REQUIRED TO COMPLETE CONCRETE REPAIR WORK. WZTC SHALL BE AS SHOWN ON THE STAGED CONSTRUCTION PLANS AND STANDARD NYSTA DETAILS WHERE THEY APPLY AND A.O.B.E.

COMPLETE PORTLAND CEMENT CONCRETE (PCC) REPAIRS TO THE NORTHBOUND AND SOUTHBOUND MAINLINE TRAVEL AND AUXILIARY LANES.

COMPLETE MAINLINE FULL DEPTH ASPHALT RECONSTRUCTION AREAS AT ALL BRIDGE OVERPASSES AND TRANSITIONS TO EXISTING BRIDGE DECKS NOT RECEIVING AN ASPHALT OVERLAY. (REFER TO THE PLANS FOR LIMITS OF RECONSTRUCTION).

INSTALL ALL GUIDE RAILING AS SHOWN ON THE PLANS.

COMPLETE MAINLINE SHOULDER RECONSTRUCTION AND SHOULDER MILL AND OVERLAY TO THE LIMITS SHOWN ON THE PLANS AND AOBE.

RESTORE ANY PAVEMENT MARKINGS REMOVED DURING THE PCC REPAIRS AND MILLING OPERATIONS AND AOBE, USING INTERIM PAVEMENT MARKINGS.

COMPLETE DRAINAGE WORK, FRAME AND GRATE ADJUSTMENTS.

BRIDGE REHABILITATION AND STRENGTHENING

COMPLETE ALL BRIDGE STRENGTHENING AND BRIDGE DECK REPAIR WORK AS SHOWN ON PLANS PRIOR TO PLACNG MAINLINE ASPHALT OVERLAY. REPLACE BRIDGE JOINTS AT LOCATIONS NOTED ON PLANS. JOINT WORK TO BE COMPLETED AFTER PLACING THE MAINLINE ASPHALT OVERLAY.

MP 900.7 TO MP 904.2 TWO -COURSE ASPHALT OVERLAY

SETUP WZTC AS SHOWN ON PLANS, STANDARD NYSTA DETAILS AND A.O.B.E.

INSTALL THE 3 1/2" TWO COURSE ASPHALT OVERLAY TO THE LIMITS SHOWN ON PLANS

INSTALL NEW MIARDS.

INSTALL ALL PROPOSED PAVEMENT MARKINGS ON THE MAINLINE.

MP 900.7 TO MP 904.2 OVERHEAD SIGN STRUCTURES AND NEW HIGHWAY SIGNS

INSTALL ALL OVERHEAD SIGN STRUCTURES AND SIGN PANELS, COVER ANY OVERHEAD SIGN PANELS THAT CONFLICT WITH THE NEW OVERHEAD SIGNS.

REMOVE EXISTING OVERHEAD SIGN STRUCTURES AND PANELS.

REMOVE EXISTING SIGNS AND INSTALL NEW ROADSIDE SIGNS AS SHOWN ON THE CONTRACT PLANS.

MP 900.7 TO MP 904.2 INTERCHANGE RAMP WORK

SETUP WZTC AS SHOWN ON PLANS, STANDARD NYSTA DETAILS, AND AS ORDERED BY ENGINEER, IMPLEMENT TEMPORARY DETOURS IF NECESSARY.

COMPLETE ALL DRAINAGE WORK AS SHOWN ON THE CONTRACT PLANS.

COMPLETE ALL GUIDE RAIL AND CONCRETE BARRIER MODIFICATIONS AS SHOWN ON THE PLANS.

MILL AND PAVE THE INTERCHANGE RAMPS TO THE LIMITS SHOWN ON THE PLANS.

INSTALL FINAL PAVEMENT MARKINGS ON THE RAMPS.

MP 900.7 TO MP 904.2 HIGHWAY LIGHTING

SETUP WZTC AS NECESSARY TO INSTALL THE NEW LIGHT POLES, CONDUIT AND PULL BOXES.

INSTALL NEW LIGHTING CONDUIT, PULL BOXES AND LIGHT POLES.

ENERGIZE NEW LIGHTING SYSTEM.

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

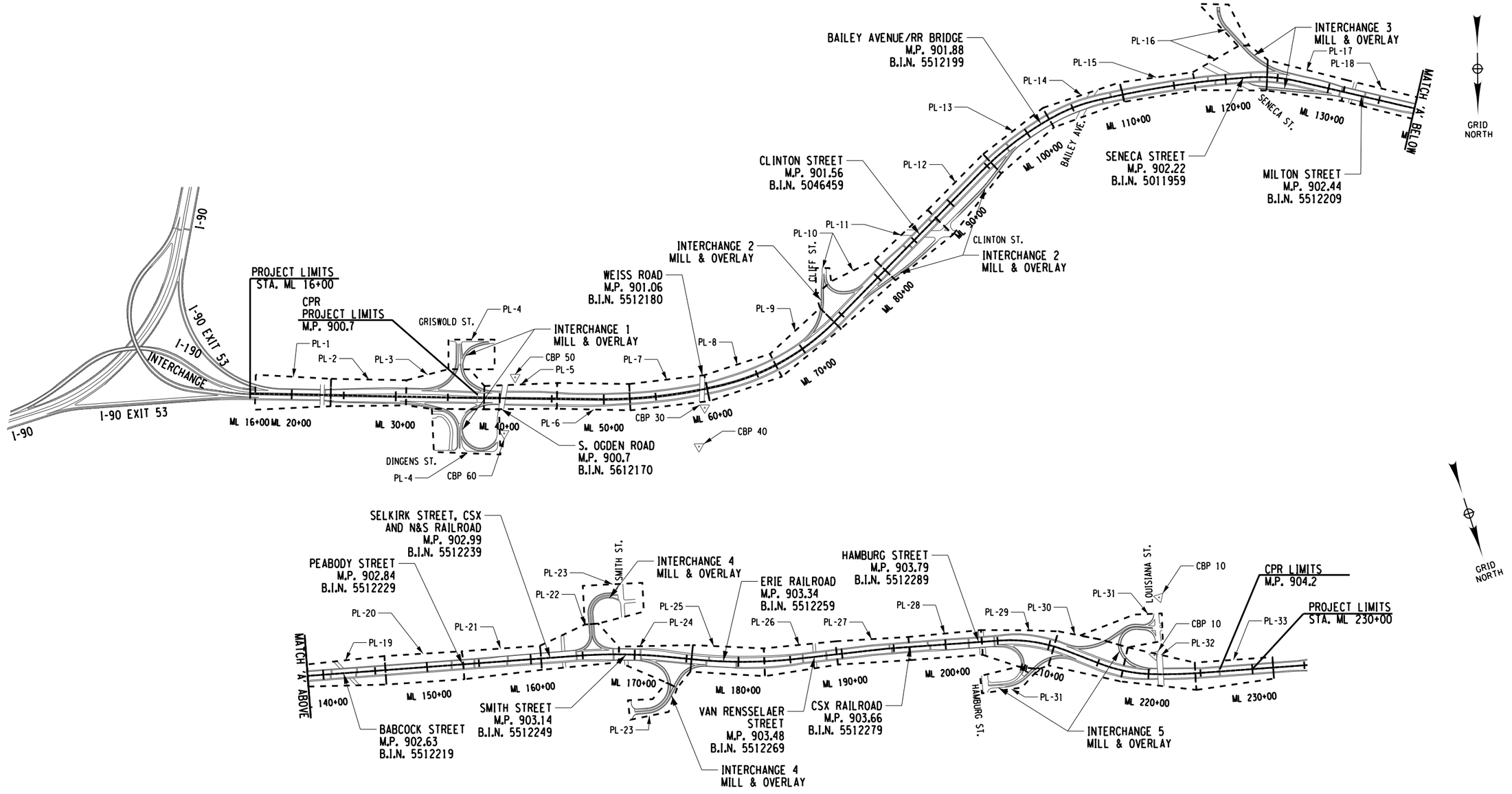
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	GENERAL NOTES
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	GN-1

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



NOTES:
1. SEE BL-1 FOR BASELINE TIE AND CONTROL POINT INFORMATION.

MAINLINE I-190
M.P. 900.7 TO M.P. 904.2

SCALE: 1" = 1000'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

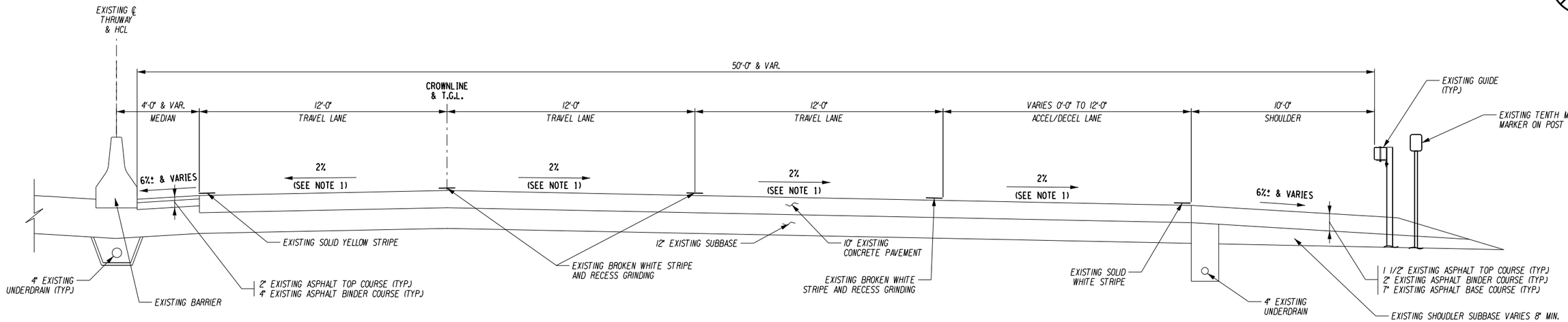
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacompanies.com

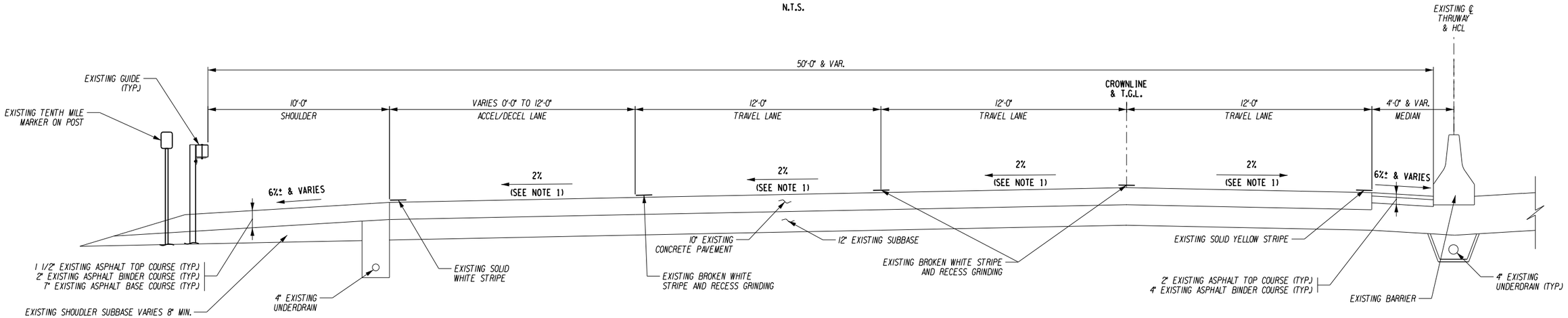
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	KEY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	KP-1



EXISTING TYPICAL HALF SECTION I-190 MAINLINE

M.P. 900.07 TO M.P. 904.2
NORTHBOUND

N.T.S.



EXISTING TYPICAL HALF SECTION I-190 MAINLINE

M.P. 900.7 TO M.P. 904.2
SOUTHBOUND
N.T.S.

NOTES:

1. NORMAL CROWN SHOWN, SIMILAR FOR BANKED SECTION.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

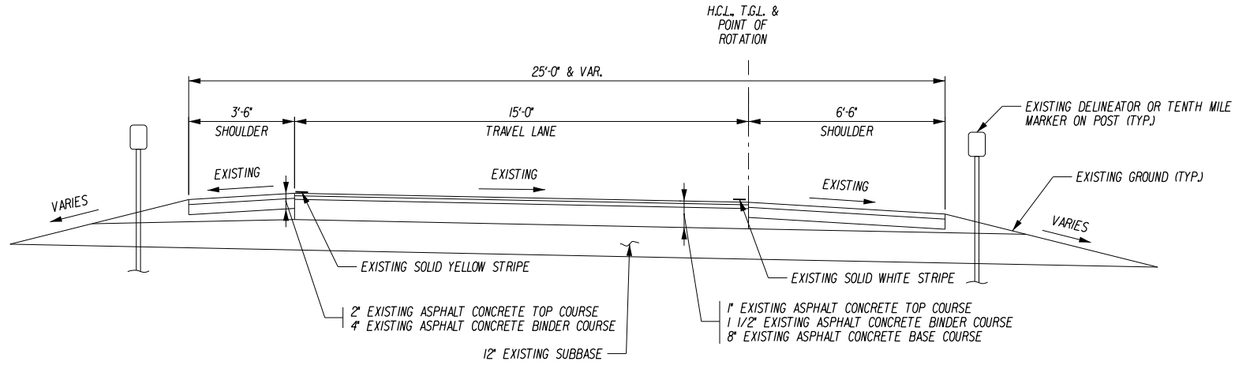
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacbl.com

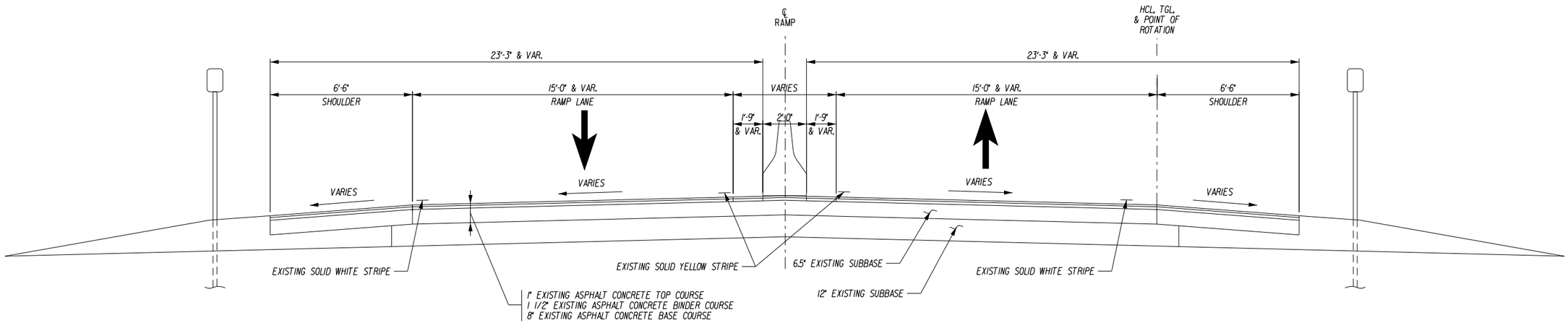
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TYPICAL SECTIONS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TYP-1

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



EXISTING RAMP SECTION

RAMPS A, B, C, D, E, F, G, J AND K
N.T.S.



EXISTING TYPICAL TWO WAY RAMP - NORMAL CROWN

RAMPS C1, D1, L1, O1, AND R1
N.T.S.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

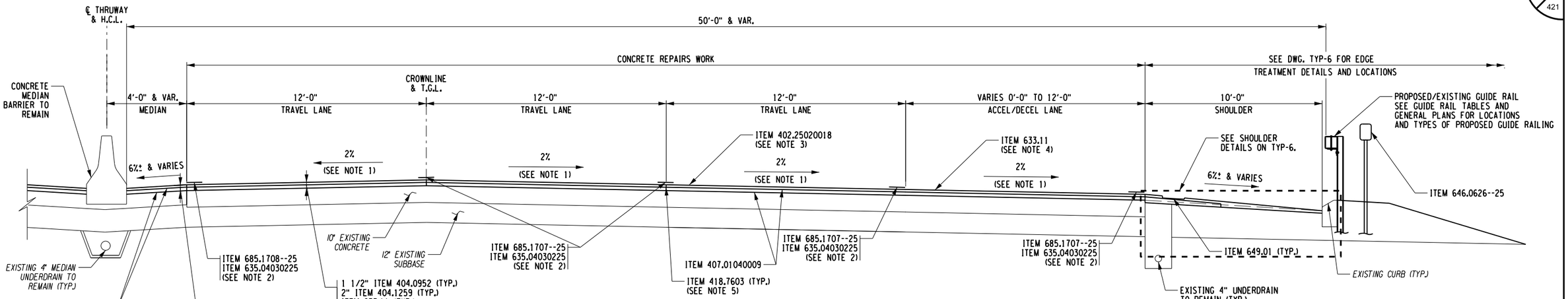
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

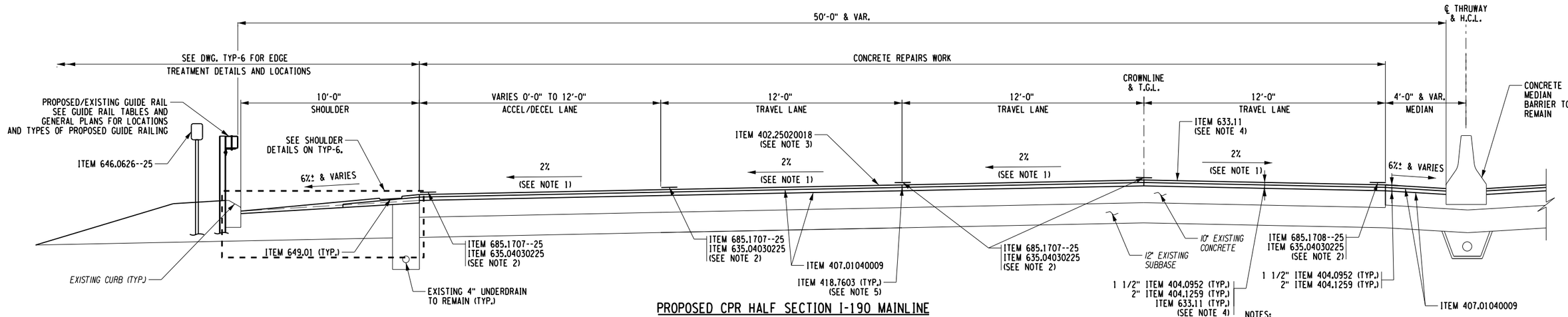
Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TYPICAL SECTIONS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TYP-2



PROPOSED CPR HALF SECTION I-190 MAINLINE

(NORTHBOUND)
ML 43+60 TO ML 56+29
ML 62+79 TO ML 95+75
ML 110+65 TO ML 155+90
ML 166+20 TO ML 217+95
SEE NOTE 6
N.T.S.



PROPOSED CPR HALF SECTION I-190 MAINLINE

(SOUTHBOUND)
ML 43+60 TO ML 56+29
ML 62+79 TO ML 95+75
ML 110+65 TO ML 155+90
ML 166+20 TO ML 217+95
SEE NOTE 6
N.T.S.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
402.25020018	SAW AND SEALING JOINTS IN NEW ASPHLALT OVERLAYS	LF	635.04030225	RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS	LF
404.0952	9.5 F2 TOP COURSE ASPHALT, 50 SERIES COMPACTION	TON	646.0626--25	MILE MARKERS	EA
404.1259	12.5 F9 BINDER COURSE ASPHALT, 50 SERIES COMPACTION	TON	649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF
407.01040009	NON-TRACKING TACK COAT	GAL	685.1707--25	WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MILS	LF
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	685.1708--25	YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MILS	LF
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDER	SY			

NOTES:

1. NORMAL CROWN CROSS SLOPE SHOWN. CROSS SLOPES VARY FROM NORMAL CROWN TO FULL SUPERELEVATION (BOTH BANKED LEFT AND RIGHT). THE PROPOSED TRAVEL LANES SHALL MATCH EXISTING CROSS SLOPES IN ALL CASES. SHOULDER CROSS SLOPES SHALL VARY AND BE AS DEFINED IN THE EDGE TREATMENT DETAILS SHOWN ON DWG. TYP-6.
2. THE MAINLINE I-190 FINAL PAVEMENT MARKING STRIPES SHALL CONSIST OF HIGHLY REFLECTORIZED TRIPLE DROP WHITE AND YELLOW EPOXY PAVEMENT STRIPES. PAVEMENT MARKING STRIPES SHALL BE INSTALLED IN RECESS ITEM 635.04030225 (RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS).
3. SAW CUT AND SEAL THE FINISHED ASPHALT PAVEMENT AOBE. SAW CUTS SHALL OCCUR DIRECTLY OVER AND IN LINE WITH THE TRANSVERSE JOINTS IN THE UNDERLYING PCC PAVEMENT.
4. CONTRACTOR SHALL CLEAN THE EXISTING PAVEMENT SURFACE. CLEANING SHALL BE PAID FOR UNDER ITEM 633.11.
5. ITEM 418.7603 SHALL BE APPLIED ON ALL LONGITUDINAL AND TRANSVERSE JOINT FACES OF THE TOP COURSE ASPHALT PAVEMENT.
6. SEE BR-1 FOR LOCATIONS OF BRIDGE DECK CPR WORK INCLUDED IN THE STATIONING LIMITS LISTED.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

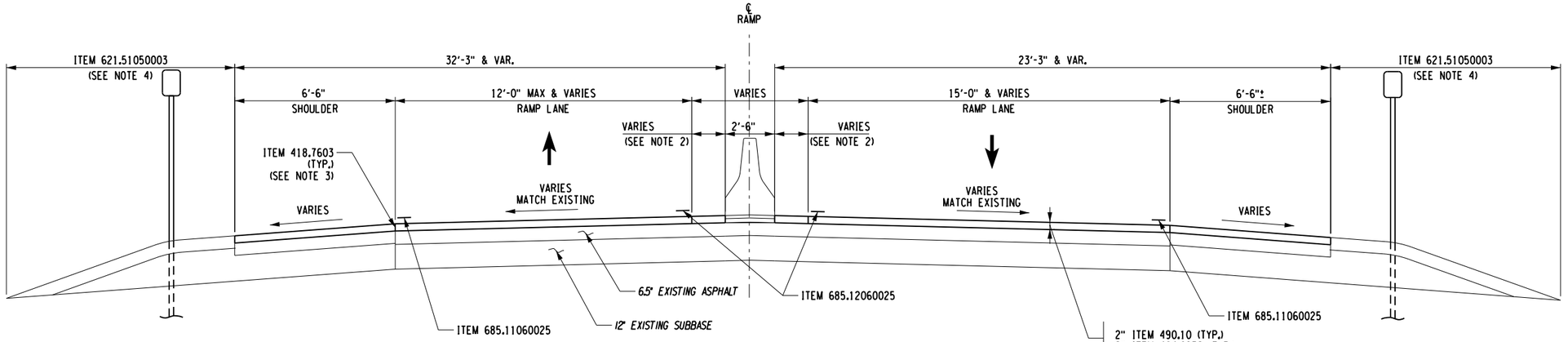
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: TYPICAL SECTIONS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TYP-3

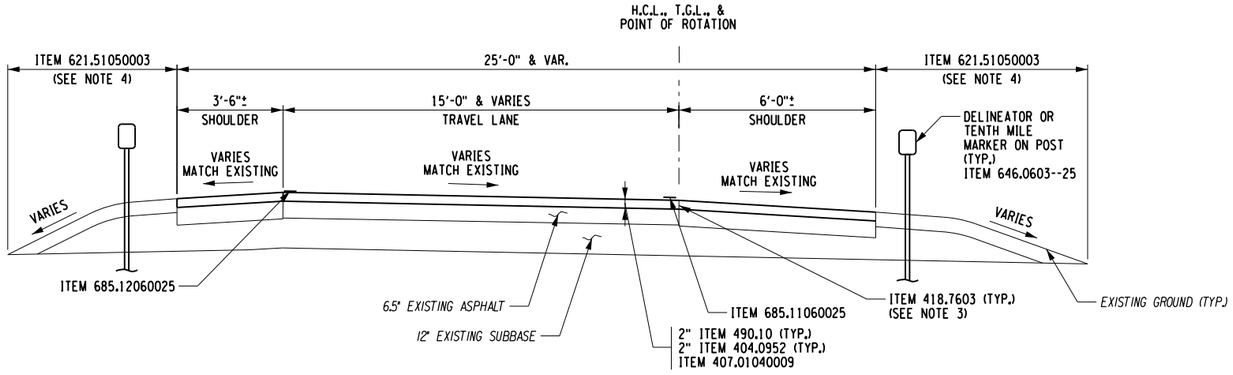
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
QUALITY CONTROL BY: J KLEINMANN



PROPOSED TYPICAL TWO WAY RAMP - NORMAL CROWN ①

RAMPS C1, D1, L1, O1, Q1 AND R1
N.T.S.

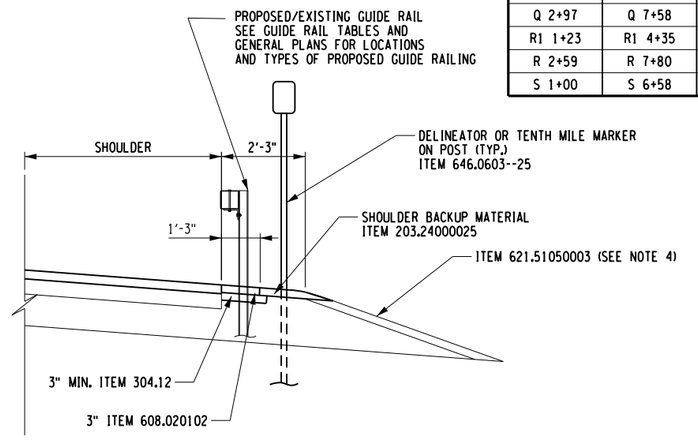
TABLE OF TYPICAL SECTION RAMP LOCATIONS			
RAMP STATION LOCATION		RAMP TYPICAL SECTION NUMBER	
FROM	TO	1	2
A 9+81	A 14+00	X	
B 3+14	B 6+14	X	
C1 10+00	C1 12+17		X
C 1+43	C 5+87	X	
C 6+52	C 10+00	X	
D1 1+28	D1 3+42		X
D 1+86	D 5+71	X	
D 6+51	D 9+41	X	
E 0+50	E 6+86	X	
F 1+67	F 6+05	X	
G 2+17	G 11+28	X	
H 1+04	H 10+96	X	
J 2+28	J 11+52	X	
K 1+00	K 7+39	X	
L 1+13	L 3+33	X	
L1 1+18	L1 7+10		X
M 1+66	M 3+61	X	
N 1+83	N 6+04	X	
O1 1+20	O1 5+44		X
O 1+32	O 5+29	X	
P 1+70	P 6+70	X	
Q1 3+40	Q1 4+90		X
Q 2+97	Q 7+58	X	
R1 1+23	R1 4+35		X
R 2+59	R 7+80	X	
S 1+00	S 6+58	X	



PROPOSED TYPICAL ONE WAY RAMP - NORMAL CROWN ②

RAMPS A-H AND J-S
N.T.S.

ITEM	DESCRIPTION	UNIT
203.24000025	SHOULDER BACKUP MATERIAL	TON
209.2101	SOIL STABILIZERS, CLASS IV TYPE A	SY
304.12	SUBBASE MATERIAL, TYPE 2	CY
404.0952	9.5 F1 TOP COURSE ASPHALT, 50 SERIES COMPACTION	TON
407.01040009	NON-TRACKING TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS & BICYCLE & VEGETATION CONTROL STRIPS	TON
646.0603--25	MILE MARKERS	EA
621.51050003	GRADING MAINTENANCE, CLEANING, TRIMMING & RESHAPING EXISTING ROADSIDE SECTION	LF
685.11060025	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF
685.12060025	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF



RAMP GUIDE RAILING EDGE TREATMENT DETAIL

NTS

NOTES:

1. NORMAL CROWN CROSS SLOPE SHOWN. CROSS SLOPES VARY FROM NORMAL CROWN TO FULL SUPERELEVATION (BOTH BANKED LEFT AND RIGHT), THE PROPOSED TRAVEL LANES SHALL MATCH EXISTING CROSS SLOPES IN ALL CASES. SHOULDER CROSS SLOPES SHALL VARY AND BE AS DEFINED IN THE EDGE TREATMENT DETAILS SHOWN ON DWG. TYP-6.
2. FOR RAMPS C1 AND L1, THE DIMENSION SHALL BE 1'-9" AND FOR RAMPS O1, R/R1 AND S, THE DIMENSION SHALL BE 3'-3". FOR RAMPS D1, P, AND Q/Q1 THE DIMENSION SHALL VARY FROM 2'-9" TO 11'-9" A.O.B.E.
3. ITEM 418.7603 SHALL BE APPLIED ON ALL LONGITUDUNAL AND TRANSVERSE JOINT FACES OF THE TOP COURSE ASPHALT PAVEMENT.
4. THE CONTRACTOR SHALL TRIM, GRADE AND RESHAPE EXISTING SLOPES FROM THE EDGE OF PAVED SHOULDER TO WIDTH SPECIFIED OR AOBE. SEE TABLE ON DWG. MT-4 FOR LOCATION.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

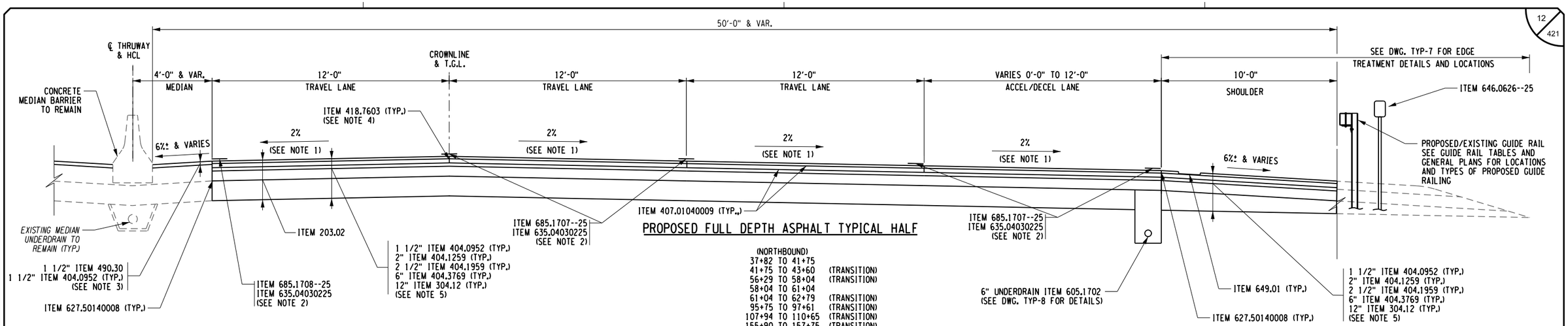
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TYPICAL SECTIONS	DRAWING NUMBER: TYP-4

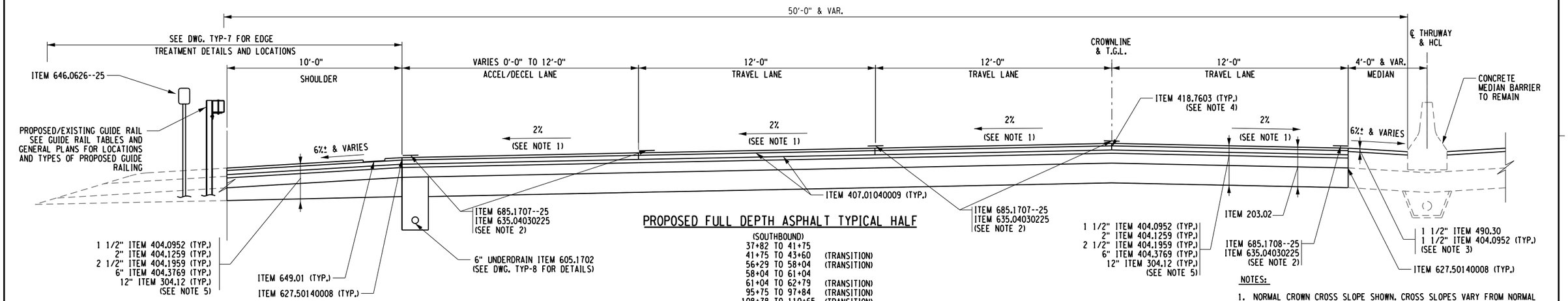


PROPOSED FULL DEPTH ASPHALT TYPICAL HALF

(NORTHBOUND)

37+82 TO 41+75	
41+75 TO 43+60	(TRANSITION)
56+29 TO 58+04	(TRANSITION)
58+04 TO 61+04	
61+04 TO 62+79	(TRANSITION)
95+75 TO 97+61	(TRANSITION)
107+94 TO 110+65	(TRANSITION)
155+90 TO 157+75	(TRANSITION)
164+36 TO 166+20	(TRANSITION)
217+95 TO 219+70	(TRANSTION)
219+70 TO 226+89	

(SEE NOTE 5)
N.T.S.



PROPOSED FULL DEPTH ASPHALT TYPICAL HALF

(SOUTHBOUND)

37+82 TO 41+75	
41+75 TO 43+60	(TRANSITION)
56+29 TO 58+04	(TRANSITION)
58+04 TO 61+04	
61+04 TO 62+79	(TRANSITION)
95+75 TO 97+84	(TRANSITION)
108+78 TO 110+65	(TRANSITION)
155+90 TO 157+86	(TRANSITION)
164+36 TO 166+20	(TRANSITION)
217+95 TO 219+70	(TRANSTION)
219+70 TO 226+89	

(SEE NOTE 5)
N.T.S.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVAION AND DISPOSAL	CY	605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF
304.12	SUBBASE COURSE TYPE II	CY	627.50140008	CUTTING PAVEMENT	LF
404.0952	9.5 F2 TOP COURSE ASPHALT, 50 SERIES COMPACTION	TON	635.04030225	RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS	LF
404.1259	12.5 F9 BINDER COURSE ASPHALT, 50 SERIES COMPACTION	TON	646.0626--26	MILE MARKERS	EA
404.1959	19 F9 BINDER COURSE ASPHALT, 50 SERIES COMPACTION	TON	649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF
404.3769	37.5 F9 BASE COURSE ASPHALT, 60 SERIES COMPACTION	TON	685.1707--25	WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MILS	LF
407.01040009	NON-TRACKING TACK COAT	LF	685.1708--25	YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MILS	LF
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	GAL			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			

NOTES:

1. NORMAL CROWN CROSS SLOPE SHOWN. CROSS SLOPES VARY FROM NORMAL CROWN TO FULL SUPERELEVATION (BOTH BANKED LEFT AND RIGHT). THE PROPOSED TRAVEL LANES SHALL MATCH EXISTING CROSS SLOPES IN ALL CASES. SHOULDER CROSS SLOPES SHALL VARY AND BE AS DEFINED IN THE EDGE TREATMENT DETAILS SHOWN ON DWG. TYP-6 & TYP-7.
2. THE MAINLINE I-190 FINAL PAVEMENT MARKING STRIPES SHALL CONSIST OF HIGHLY REFLECTORIZED TRIPLE DROP WHITE AND YELLOW EPOXY PAVEMENT STRIPES. PAVEMENT MARKING STRIPES SHALL BE INSTALLED IN RECESS ITEM 635.04030225 (RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS).
3. SHOULDER PAVEMENT THICKNESS WILL VERY BETWEEN THE TRANSITION FROM FULL DEPTH PAVEMENT SECTION AND THE 3 1/2" OVERLAY. SEE DWG. TYP-3 FOR OVERLAY SECTION AND DWG. MD-3 FOR THE DETAIL SHOWING THE TRANSITION FROM FULL DEPTH PAVEMENT TO THE 3 1/2" OVERLAY.
4. ITEM 418.7603 SHALL BE APPLIED ON ALL LONGITUDINAL AND TRANSVERSE JOINT FACES OF THE TOP COURSE ASPHALT PAVEMENT.
5. THE TRANSITION STATIONS DEFINE THE LENGTH NEEDED TO ADJUST THE PROFILE BETWEEN THE FULL DEPTH RECONSTRUCTION SECTION AND THE 3 1/2"OVERLAY. A PORTION OF THE FULL DEPTH TOP AND BINDER COURSE MUST BE MILLED OUT TO TRANSITION TO THE OVERLAY FINISHED GRADE. THE CONTRACTOR HAS THE OPTION TO INSTALL ADDITIONAL 4" OF ITEM 404.1959 BINDER COURSE WITH IN THE DEFINED TRANSITION LENGTHS IN LUE OF PLACING A 1 1/2" TOP COURSE. SEE DWG. MD-3 FOR PAVEMENT TRANSITION DETAILS.

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

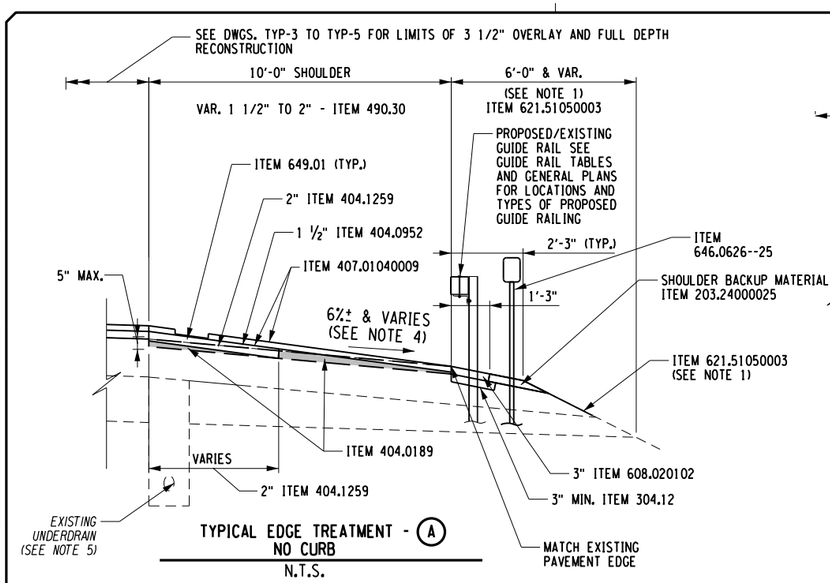
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: TYPICAL SECTIONS

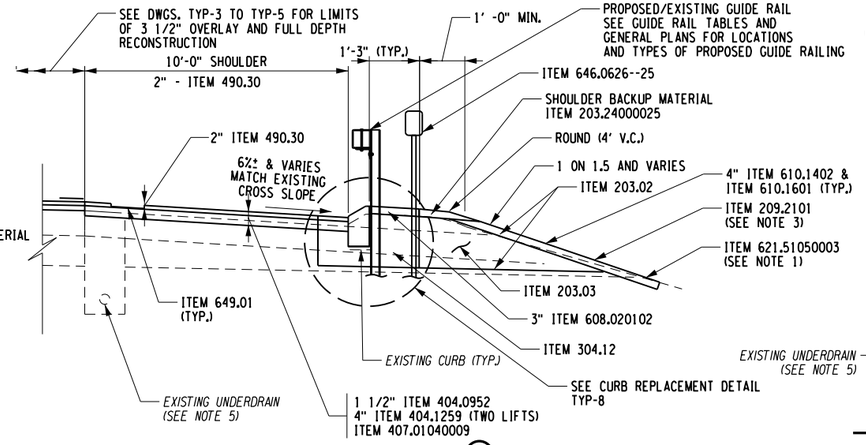
CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

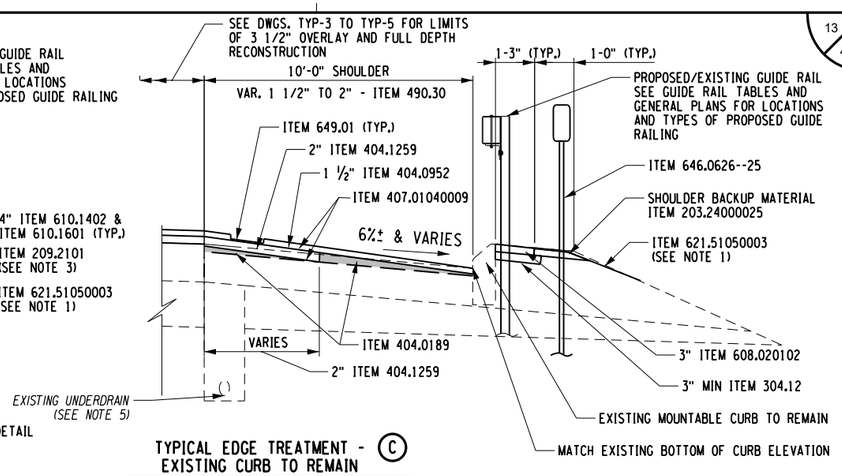
DRAWING NUMBER: TYP-5



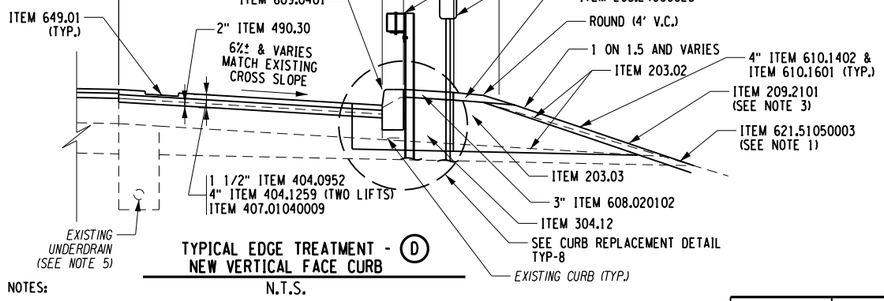
TYPICAL EDGE TREATMENT - (A)
NO CURB
N.T.S.



TYPICAL EDGE TREATMENT - (B)
NEW MOUNTABLE CURB
N.T.S.



TYPICAL EDGE TREATMENT - (C)
EXISTING CURB TO REMAIN
N.T.S.



TYPICAL EDGE TREATMENT - (D)
NEW VERTICAL FACE CURB
N.T.S.

NOTES:

1. THE CONTRACTOR SHALL TRIM, GRADE AND RESHAPE EXISTING SLOPES FROM THE EDGE OF PAVED SHOULDER TO WIDTH SPECIFIED OR AOBE. SEE TABLE ON DWG. MT-4 FOR LOCATION.
2. EXISTING CONCRETE BARRIER ADJACENT TO SHOULDER SHALL REMAIN IN ALONG THIS EDGE TREATMEMT SEGMENT.
3. ITEM 209.2101 SHALL BE USED TO STABILIZE SLOPES WHERE THE PROPOSED CURB ELEVATION EXCEEDS THE EXISTING ELEVATION, THEREBY INCREASING THE TIE-IN SLOPE TO THE EXISTING GROUND. SEE THE CURB REPLACEMENT TABLE ON DRAWING MT-1 FOR REFERENCE.
4. SHOULDER CROSS SLOPE VARIES, MATCH EXISTING EDGE OF SHOULDER PAVEMENT OR BOTTOM OF CURB ELEVATIONS. SHOULDER CROSS SLOPE SHALL NOT EXCEED 8% ROLLOVER BETWEEN TRAVEL LANES AND SHOULDER OR AOBE.
5. EXISTING UNDERDRAIN TO REMAIN IN PAVEMENT AREAS RECIEVING A 2 COURSE OVERLAY. NEW UNDERDRAIN WILL BE INSTALLED IN FULL DEPTH PAVEMENT SECTIONS. SEE DWG. TYP-8 FOR LOCATIONS NEW UNDERDRAIN.

ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCACATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
203.24000025	SHOULDER BACKUP MATERIAL	TON
209.2101	SOIL STABILIZATOIN CLASS IV TYPE A	SY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES	TON
404.0952	9.5 F2 TOP COURSE WMA, 50 SERIES COMPACTION	TON
404.1259	12.5 F9 BINDER COURSE WMA, 50 SERIES COMPACTION	TON
404.3769	37.5 F9 BASE COURSE WMA, 60 SERIES COMPACTION	TON
407.01040009	NON-TRACKING TACK COAT	GAL
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS AND VEGTATION CONTROL STRIPS	TON
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF6	LF
609.0405	CAST-IN-PLACE CONCRETE CURB TYPE MA	LF
610.1402	TOPSOIL - ROADSIDE	SY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
621.51050003	GRADING MAINTENANCE, CLEANING, TRIMMING & RESHAPING EXISTING ROADSIDE SECTION	LF
627.51050003	CUTTING PAVEMENT	LF
646.0626--25	MILE MARKERS	EA
649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF

TABLE OF TYPICAL SECTION EDGE TREATMENT LOCATIONS - NORTHBOUND

CENTERLINE STATION FROM	CENTERLINE STATION TO	SIDE	EDGE TREATMENT DETAIL
ML 43+60	ML 56+29	NB	A
ML 62+79	ML 83+70	NB	A
ML 83+70	ML 85+05	NB	B
ML 87+75	ML 87+90	NB	A
ML 87+90	ML 95+75	NB	A
ML 97+61	ML 97+78	NB	C
ML 110+65	ML 119+42	NB	C
ML 119+42	ML 119+98	NB	B
ML 123+16	ML 131+12	NB	A
ML 131+12	ML 131+47	NB	D
ML 132+96	ML 133+63	NB	D
ML 133+63	ML 138+42	NB	A
ML 138+42	ML 140+31	NB	C
ML 140+31	ML 140+51	NB	B
ML 140+51	ML 141+15	NB	D
ML 142+75	ML 143+33	NB	D
ML 143+33	ML 143+53	NB	B
ML 143+53	ML 150+50	NB	C
ML 150+50	ML 152+14	NB	B
ML 152+14	ML 152+75	NB	D
ML 154+29	ML 155+90	NB	B
ML 166+20	ML 167+17	NB	B
ML 167+17	ML 168+48	NB	D
ML 170+35	ML 170+55	NB	D
ML 170+55	ML 171+20	NB	B
ML 171+20	ML 176+00	NB	A
ML 176+00	ML 177+02	NB	B
ML 177+02	ML 177+22	NB	D
ML 179+20	ML 179+60	NB	D
ML 179+60	ML 186+38	NB	A
ML 186+38	ML 186+50	NB	D
ML 188+09	ML 188+47	NB	D
ML 188+47	ML 190+40	NB	B
ML 190+40	ML 194+83	NB	C
ML 194+83	ML 195+03	NB	B
ML 195+03	ML 195+30	NB	D
ML 204+23	ML 204+65	NB	D
ML 204+65	ML 205+67	NB	B
ML 205+67	ML 219+70	NB	A

TABLE OF TYPICAL SECTION EDGE TREATMENT LOCATIONS - SOUTHBOUND

CENTERLINE STATION FROM	CENTERLINE STATION TO	SIDE	EDGE TREATMENT DETAIL
ML 43+60	ML 56+29	SB	A
ML 62+79	ML 83+75	SB	A
ML 83+75	ML 84+05	SB	D
ML 86+66	ML 87+00	SB	D
ML 87+00	ML 95+75	SB	A
ML 110+65	ML 118+26	SB	B
ML 121+43	ML 131+10	SB	A
ML 131+10	ML 131+75	SB	D
ML 133+17	ML 133+70	SB	D
ML 133+70	ML 140+25	SB	A
ML 140+25	ML 140+87	SB	B
ML 140+87	ML 141+28	SB	D
ML 142+98	ML 143+46	SB	D
ML 143+46	ML 143+97	SB	B
ML 144+78	ML 150+50	SB	C
ML 150+50	ML 152+45	SB	B
ML 152+45	ML 152+75	SB	D
ML 152+75	ML 155+90	SB	SEE NOTE 2
ML 166+20	ML 168+00	SB	A
ML 168+00	ML 168+25	SB	B
ML 169+75	ML 169+95	SB	D
ML 169+95	ML 171+57	SB	B
ML 171+57	ML 177+80	SB	C
ML 177+80	ML 178+18	SB	B
ML 178+18	ML 178+38	SB	D
ML 179+75	ML 179+95	SB	D
ML 179+95	ML 180+34	SB	B
ML 180+34	ML 186+05	SB	C
ML 186+05	ML 186+30	SB	B
ML 186+30	ML 186+56	SB	D
ML 188+12	ML 188+39	SB	D
ML 188+39	ML 190+40	SB	B
ML 190+40	ML 194+36	SB	C
ML 194+36	ML 194+67	SB	B
ML 194+67	ML 194+87	SB	D
ML 197+07	ML 197+27	SB	D
ML 197+27	ML 197+61	SB	B
ML 197+61	ML 200+50	SB	C
ML 200+50	ML 202+40	SB	B
ML 202+40	ML 202+67	SB	D
ML 204+38	ML 204+60	SB	D
ML 204+60	ML 206+60	SB	B
ML 206+60	ML 212+20	SB	C
ML 212+20	ML 219+70	SB	A

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

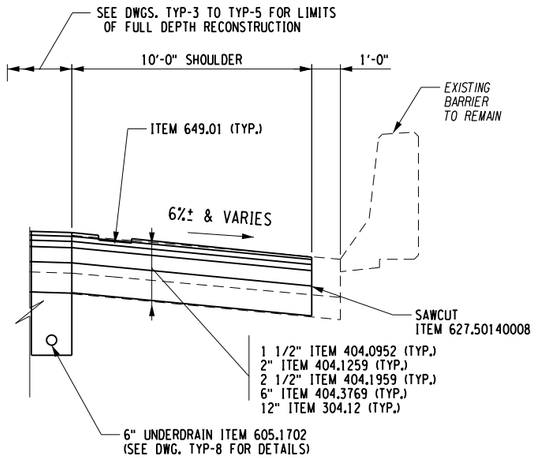
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

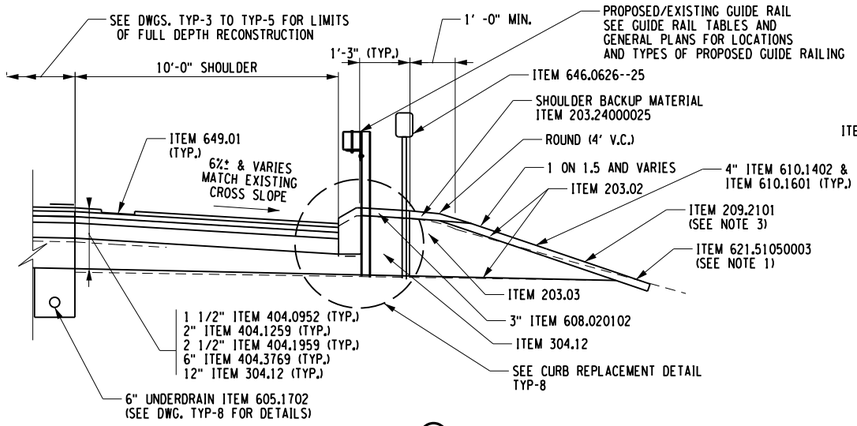
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacbe.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: TYPICAL SECTIONS
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TYP-6

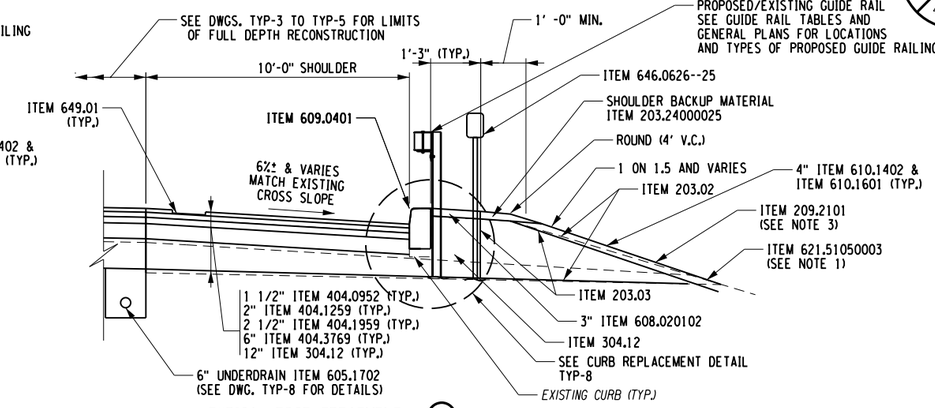
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN



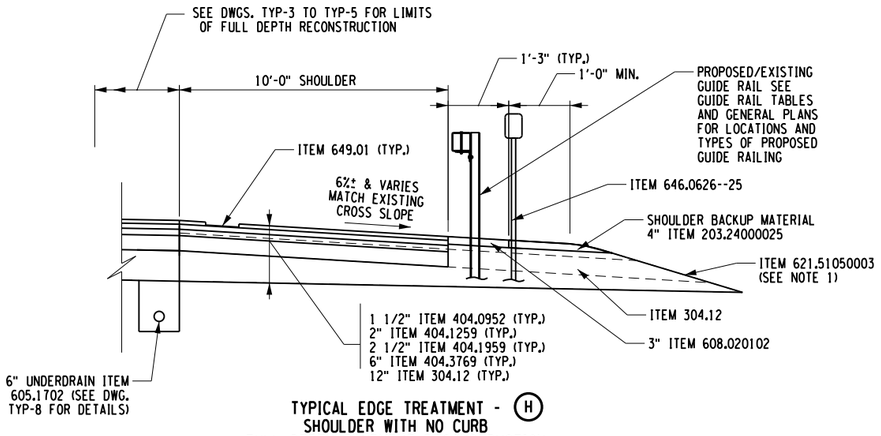
TYPICAL EDGE TREATMENT - (E)
EXISTING CURB TO REMAIN
N.T.S.



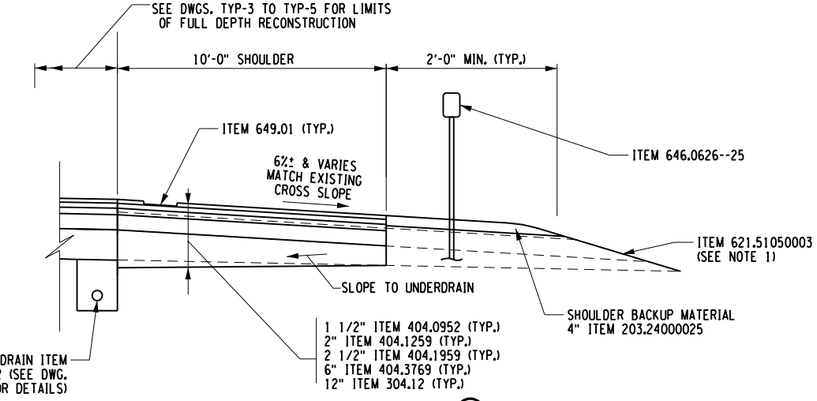
TYPICAL EDGE TREATMENT - (F)
NEW MOUNTABLE CURB
N.T.S.



TYPICAL EDGE TREATMENT - (G)
NEW VERTICAL FACE CURB
N.T.S.



TYPICAL EDGE TREATMENT - (H)
SHOULDER WITH NO CURB
FULL DEPTH PAVEMENT RECONSTRUCTION
N.T.S.



TYPICAL EDGE TREATMENT - (I)
SHOULDER WITH NO CURB
FULL DEPTH PAVEMENT RECONSTRUCTION
N.T.S.

NOTES:

1. THE CONTRACTOR SHALL TRIM, GRADE AND RESHAPE EXISTING SLOPES FROM THE EDGE OF PAVED SHOULDER TO WIDTH SPECIFIED OR AOBE. SEE TABLE ON DWG. MT-4 FOR LOCATION.
2. EXISTING CONCRETE BARRIER ADJACENT TO SHOULDER SHALL REMAIN IN ALONG THIS EDGE TREATMEMT SEGMENT.
3. ITEM 209.2101 SHALL BE USED TO STABILIZE SLOPES WHERE THE PROPOSED CURB ELEVATION EXCEEDS THE EXISTING ELEVATION, THEREBY INCREASING THE TIE-IN SLOPE TO THE EXISTING GROUND. SEE THE CURB REPLACEMENT TABLE ON DRAWING MT-1 FOR REFERENCE.
4. SHOULDER CROSS SLOPE VARIES, MATCH EXISTING EDGE OF SHOULDER PAVEMENT OR BOTTOM OF CURB ELEVATIONS. SHOULDER CROSS SLOPE SHALL NOT EXCEED 8% ROLLOVER BETWEEN TRAVEL LANES AND SHOULDER OR AOBE.
5. EXISTING UNDERDRAIN TO REMAIN IN PAVEMENT AREAS RECIEVING A 2 COURSE OVERLAY. NEW UNDERDRAIN WILL BE INSTALLED IN FULL DEPTH PAVEMENT SECTIONS. SEE DWG. TYP-8 FOR LOCATIONS NEW UNDERDRAIN.

ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCACATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
203.24000025	SHOULDER BACKUP MATERIAL	TON
209.2101	SOIL STABILIZATOIN CLASS IV TYPE A	SY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES	TON
404.0952	9.5 F2 TOP COURSE WMA, 50 SERIES COMPACTION	TON
404.1259	12.5 F9 BINDER COURSE WMA, 50 SERIES COMPACTION	TON
404.3769	37.5 F9 BASE COURSE WMA, 60 SERIES COMPACTION	TON
407.01040009	NON-TRACKING TACK COAT	GAL
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS AND VEGTATION CONTROL STRIPS	TON
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF6	LF
609.0405	CAST-IN-PLACE CONCRETE CURB TYPE MA	LF
610.1402	TOPSOIL - ROADSIDE	SY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
621.51050003	GRADING MAINTENANCE, CLEANING, TRIMMING & RESHAPING EXISTING ROADSIDE SECTION	LF
627.51050003	CUTTING PAVEMENT	LF
646.0626--25	MILE MARKERS	EA
649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF

TABLE OF TYPICAL SECTION EDGE TREATMENT FULL DEPTH LOCATIONS - NORTHBOUND

CENTERLINE STATION FROM	CENTERLINE STATION TO	SIDE	EDGE TREATMENT DETAIL
ML 37+82	ML 38+12	NB	I
ML 38+12	ML 41+75	NB	H
ML 41+75	ML 43+60	NB	H
ML 56+29	ML 58+04	NB	H
ML 58+04	ML 61+04	NB	H
ML 61+04	ML 62+79	NB	H
ML 95+75	ML 97+26	NB	I
ML 97+26	ML 97+61	NB	H
ML 107+94	ML 110+65	NB	F
ML 155+90	ML 157+75	NB	H
ML 164+36	ML 164+47	NB	G
ML 164+47	ML 166+20	NB	F
ML 219+70	ML 226+89	NB	H

TABLE OF TYPICAL SECTION EDGE TREATMENT FULL DEPTH LOCATIONS - SOUTHBOUND

CENTERLINE STATION FROM	CENTERLINE STATION TO	SIDE	EDGE TREATMENT DETAIL
ML 37+82	ML 38+24	SB	I
ML 38+24	ML 41+75	SB	H
ML 41+75	ML 43+60	SB	H
ML 56+29	ML 58+04	SB	H
ML 58+04	ML 61+04	SB	H
ML 61+04	ML 62+79	SB	H
ML 95+75	ML 97+30	SB	H
ML 97+30	ML 97+84	SB	H
ML 108+78	ML 110+65	SB	F
ML 155+90	ML 157+86	SB	E
ML 164+36	ML 164+50	SB	F
ML 164+50	ML 165+21	SB	H
ML 165+21	ML 166+20	SB	I
ML 219+70	ML 226+89	SB	H

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
QUALITY CHECKED BY: J KLEINMANN

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

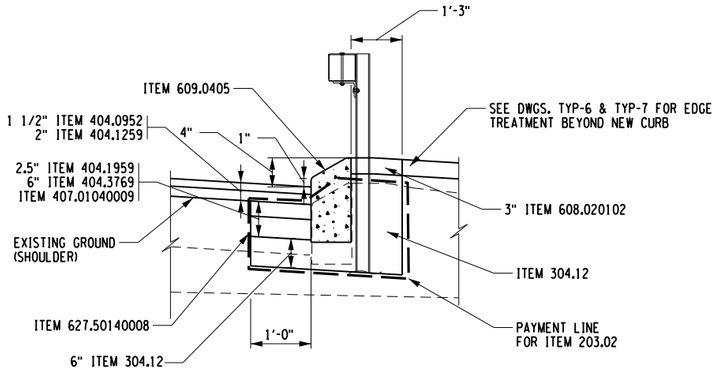
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: TYPICAL SECTIONS

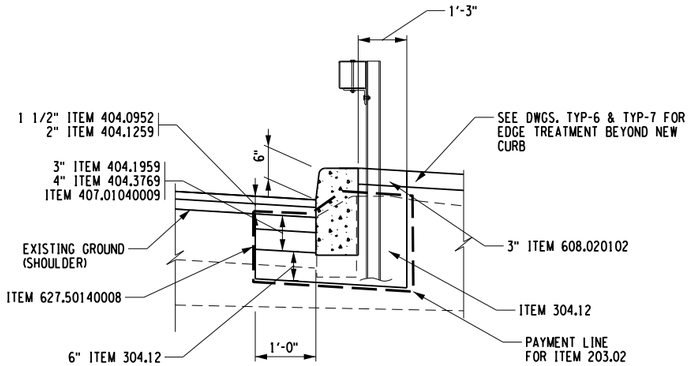
CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

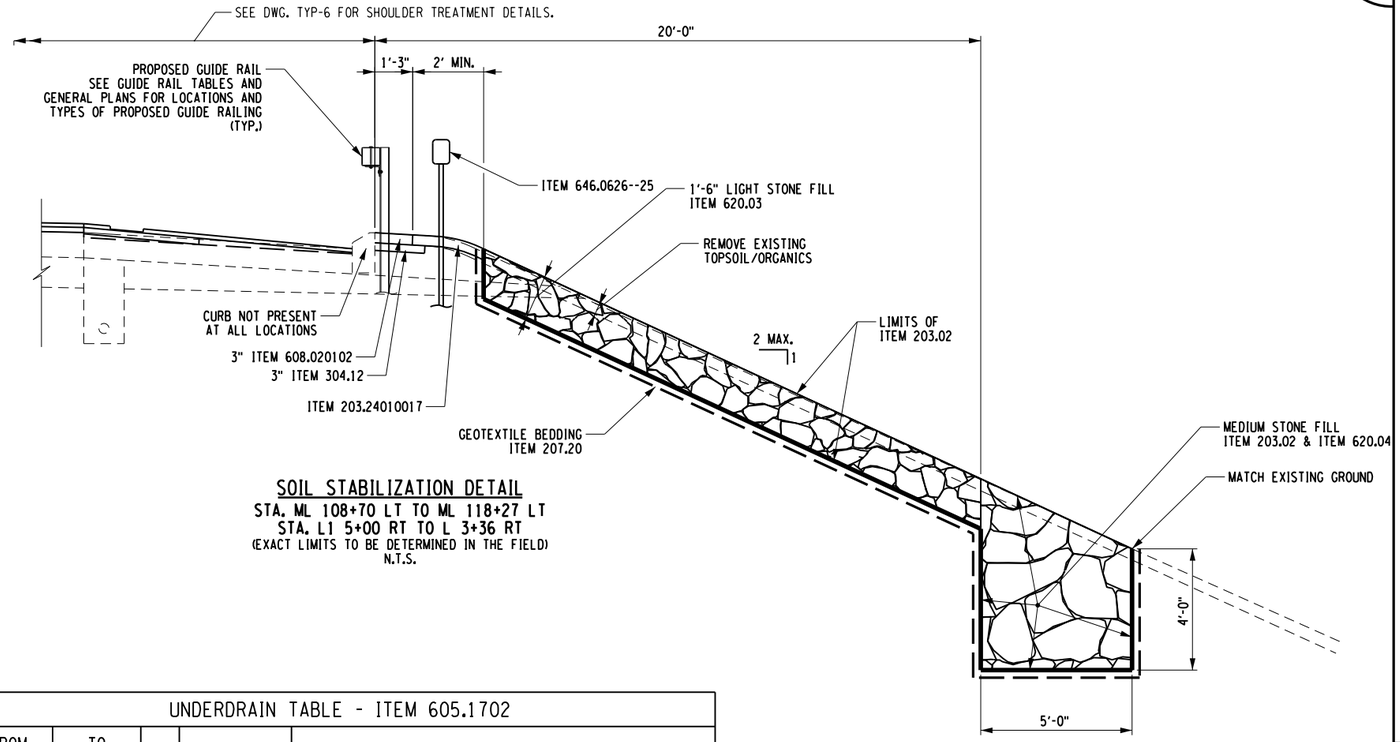
DRAWING NUMBER: TYP-7



CURB TYPE M4 REPLACEMENT DETAIL
N.T.S.



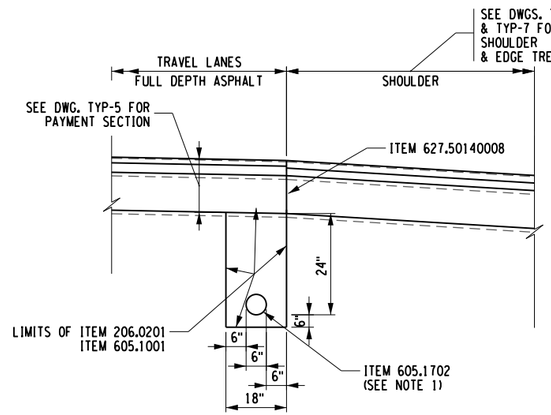
CURB TYPE VF6 REPLACEMENT DETAIL
N.T.S.



SOIL STABILIZATION DETAIL
STA. ML 108+70 LT TO ML 118+27 LT
STA. L1 5+00 RT TO L 3+36 RT
(EXACT LIMITS TO BE DETERMINED IN THE FIELD)
N.T.S.

UNDERDRAIN TABLE - ITEM 605.1702

FROM STATION	TO STATION	SIDE	LENGTH (FT)	COMMENT
ML 37+82	ML 43+60	NB	578.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN AND END STATIONS
ML 37+88	ML 43+60	SB	572.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN AND END STATIONS
ML 56+29	ML 62+79	NB	650.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN AND END STATIONS
ML 56+29	ML 62+79	SB	650.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN AND END STATIONS
ML 95+75	ML 97+61	NB	186.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN STATION
ML 95+75	ML 97+84	SB	209.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN STATION
ML 107+94	ML 110+65	NB	271.0	CONNECT TO EXISTING UNDERDRAIN AT END STATION
ML 108+78	ML 110+65	SB	187.0	CONNECT TO EXISTING UNDERDRAIN AT END STATION
ML 155+90	ML 157+75	NB	185.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN STATION
ML 155+90	ML 157+86	SB	196.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN STATION
ML 164+36	ML 166+20	NB	184.0	CONNECT TO EXISTING UNDERDRAIN AT END STATION
ML 164+37	ML 166+20	SB	183.0	CONNECT TO EXISTING UNDERDRAIN AT END STATION
ML 217+95	ML 226+89	NB	894.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN STATION
ML 217+95	ML 226+89	SB	894.0	CONNECT TO EXISTING UNDERDRAIN AT BEGIN STATION
TOTAL			5839.0	



UNDERDRAIN DETAIL
N.T.S.

NOTES:
1. COST OF ANY FITTINGS TO CONNECT TO THE EXISTING 4" UNDERDRAIN SHALL BE INCLUDED FOR ITEM 605.1702.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCACATION AND DISPOSAL	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
203.03	EMBANKMENT IN PLACE	CY	605.1001	UNDERDRAIN FILTER TYPE 2	CY
203.24000025	SHOULDER BACKUP MATERIAL	TON	605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF
206.0201	TRENCH AND CULVERT EXCAVATION	CY	609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF6	LF
207.20	GEOTEXTILE BEDDING	SY	609.0405	CAST-IN-PLACE CONCRETE CURB TYPE MA	LF
304.12	SUBBASE COURSE, TYPE 2	CY	610.1402	TOPSOIL - ROADSIDE	SY
404.0952	9.5 F2 TOP COURSE WMA, 50 SERIES COMPACTION	TON	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
404.1259	12.5 F9 BINDER COURSE WMA, 50 SERIES COMPACTION	TON	620.03	STONE FILLING (LIGHT)	CY
404.1959	19 F9 BINDER COURSE ASPHALT, 50 SERIES COMPACTION	TON	620.04	STONE FILLING (MEDIUM)	CY
404.3769	37.5 F9 BASE COURSE WMA, 60 SERIES COMPACTION	TON	627.50140008	CUTTING PAVEMENT	LF
407.01040009	NON-TRACKING TACK COAT	GAL	646.0626--25	MILE MARKERS	EA

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
QUALITY CONTROL BY: J KLEINMANN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

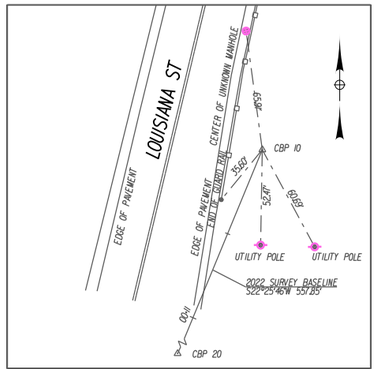
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: TYPICAL SECTIONS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TYP-8

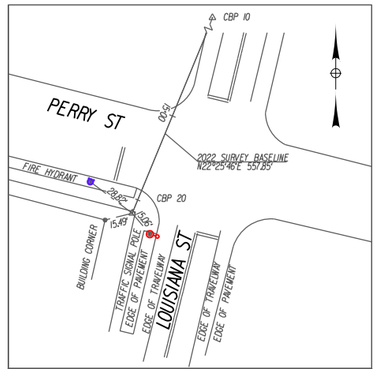


CBP 10 (STA. 10+00.00)

N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE
NAVD '1988 GEOID 18

N: 1047662.713
E: 1073252.954
ELEV: 591.65'

CBP 10 IS A REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE EAST SIDE OF LOUISIANA STREET, 526'+/- NORTH OF THE INTERSECTION OF PERRY STREET AND LOUISIANA STREET.

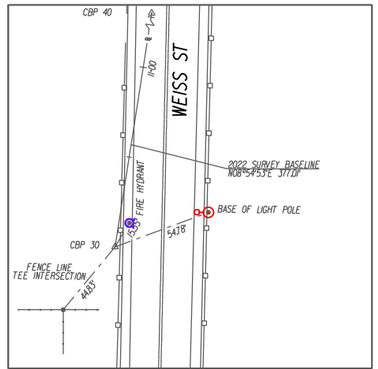


CBP 20 (STA. 15+57.85)

N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE
NAVD '1988 GEOID 18

N: 1047147.068
E: 1073040.111
ELEV: 580.93'

CBP 20 IS A REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE EAST SIDE OF LOUISIANA STREET, 36'+/- SOUTH OF THE INTERSECTION OF PERRY STREET AND LOUISIANA STREET.

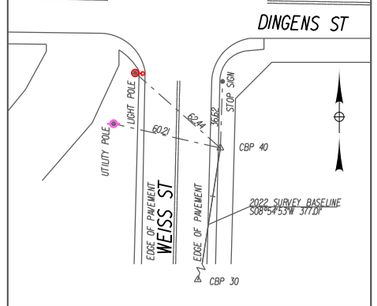


CBP 30 (STA. 10+00.00)

N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE
NAVD '1988 GEOID 18

N: 1048170.409
E: 1087910.644
ELEV: 604.91'

CBP 30 IS A REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE WEST SIDE OF WEISS STREET, 460'+/- SOUTH OF THE INTERSECTION OF DINGENS STREET AND WEISS STREET.

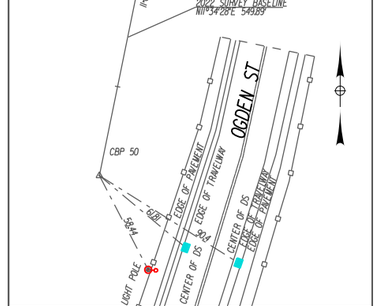


CBP 40 (STA. 13+77.01)

N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE
NAVD '1988 GEOID 18

N: 1048542.868
E: 1087969.067
ELEV: 597.55'

CBP 40 IS A REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE EAST SIDE OF WEISS STREET, 84'+/- SOUTH OF THE INTERSECTION OF DINGENS STREET AND WEISS STREET.

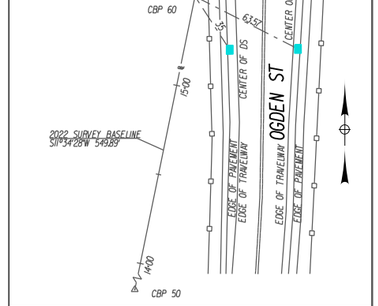


CBP 50 (STA. 10+00.00)

N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE
NAVD '1988 GEOID 18

N: 1047859.872
E: 1089730.563
ELEV: 596.03'

CBP 50 IS A REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE WEST SIDE OF OGDEN STREET, 739'+/- SOUTH OF THE INTERSECTION OF DINGENS STREET AND OGDEN STREET.



CBP 60 (STA. 15+49.89)

N.A.D. '83(2011) N.Y.S.P.C.S. WEST ZONE
NAVD '1988 GEOID 18

N: 1048398.584
E: 1089840.895
ELEV: 600.99'

CBP 60 IS A REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE WEST SIDE OF OGDEN STREET, 192'+/- SOUTH OF THE INTERSECTION OF DINGENS STREET AND OGDEN STREET.

SURVEY NOTES:

1. NORTH ORIENTATION AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, WESTERN ZONE, N.A.D. '83(2011) EPOCH 2010.00 THROUGH A COMBINATION OF STATIC GPS OBSERVATIONS AND TRIGONOMETRIC MEASUREMENTS. A LEAST SQUARES ADJUSTMENT WAS PERFORMED UTILIZING STARNET VERSION 9.2.6.556 SOFTWARE.
2. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) GEOID 18 THROUGH TIES TO N.Y.S. C.O.R.S. GPS. DIFFERENTIAL LEVELING WAS PERFORMED THROUGH ALL PRIMARY CONTROL POINTS.
3. UNITS OF MEASURE = U.S. SURVEY FEET
4. SCALE FACTOR : 0.99994222
5. COMBINED SCALE FACTOR : 0.99991927

DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SURVEY BASELINE TIES
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	BLT-1

INTERSTATE I-190 ML HORIZONTAL ALIGNMENT DATA

P.O.B. STA. ML 16+00.00 N. 1047993.02 E. 1092278.84	
CURVE ML 1	
P.C. STA. ML 49+06.16 N. 1048079.30 E. 1088973.82	
P.I. STA. ML 55+30.24 N. 1048093.52 E. 1088349.91	
P.C.C. STA. ML 61+47.89 N. 1047953.94 E. 1087741.64	
DELTA= 14°13'45" RADIUS=5000.00	E= 38.80 L= 1241.72 T= 624.07
BACK TANGENT AZ 271°18'19"	
AHEAD TANGENT AZ 257°04'34"	
CURVE ML 2	
P.C. STA. ML 61+47.89 N. 1047953.94 E. 1087741.64	
P.I. STA. ML 67+99.55 N. 1047808.19 E. 1087106.48	
P.T. STA. ML 74+16.73 N. 1047346.37 E. 1086646.72	
DELTA= 32°12'16" RADIUS= 2257.43	E= 92.18 L= 1268.84 T= 651.67
BACK TANGENT AZ 257°04'34"	
AHEAD TANGENT AZ 224°52'19"	
CURVE ML 3	
P.C. STA. ML 94+09.42 N. 1045934.17 E. 1085240.82	
P.I. STA. ML 98+74.57 N. 1045604.52 E. 1084912.65	
P.C.C. STA. ML 103+32.42 N. 1045389.32 E. 1084500.28	
DELTA= 17°34'10" RADIUS= 3010.00	E= 35.73 L= 922.99 T= 465.15
BACK TANGENT AZ 224°52'19"	
AHEAD TANGENT AZ 242°26'28"	

INTERSTATE I-190 ML HORIZONTAL ALIGNMENT DATA

CURVE ML 4	
P.C.C. STA. ML 103+32.42 N. 1045389.32 E. 1084500.28	
P.I. STA. ML 105+24.78 N. 1045300.32 E. 1084329.74	
P.C.C. STA. ML 107+15.06 N. 1045257.23 E. 1084142.27	
DELTA= 14°36'57" RADIUS=1500.00	E= 12.28 L= 382.64 T= 192.36
BACK TANGENT AZ 242°26'28"	
AHEAD TANGENT AZ 257°03'25"	
CURVE ML 5	
P.C.C. STA. ML 107+15.06 N. 1045257.23 E. 1084142.27	
P.I. STA. ML 114+72.62 N. 1045087.55 E. 1082410.03	
P.C.C. STA. ML 122+26.62 N. 1045043.68 E. 1082647.66	
DELTA= 9°37'23" RADIUS= 9000.00	E= 31.83 L= 1511.56 T= 757.56
BACK TANGENT AZ 257°03'25"	
AHEAD TANGENT AZ 266°40'47"	
CURVE ML 6	
P.C.C. STA. ML 122+26.62 N. 1045043.68 E. 1082647.66	
P.I. STA. ML 124+64.64 N. 1045029.89 E. 1082647.66	
P.T. STA. ML 126+99.20 N. 1045085.87 E. 1082178.69	
DELTA= 16°55'23" RADIUS= 1600.00	E= 17.61 L= 472.58 T= 238.02
BACK TANGENT AZ 266°40'47"	
AHEAD TANGENT AZ 283°36'10"	

INTERSTATE I-190 ML HORIZONTAL ALIGNMENT DATA

CURVE ML 7	
P.C. STA. ML 164+58.33 N. 1045969.98 E. 1078525.01	
P.I. STA. ML 168+90.31 N. 1046071.58 E. 1078105.14	
P.T. STA. ML 173+20.16 N. 1046243.68 E. 1077708.92	
DELTA= 9°52'33" RADIUS=5000.00	E= 18.63 L= 861.83 T= 431.98
AHEAD TANGENT AZ 283°36'10"	
BACK TANGENT AZ 293°28'43"	
CURVE ML 8	
P.C. STA. ML 175+71.25 N. 1046343.72 E. 1077478.62	
P.I. STA. ML 180+80.85 N. 1046546.75 E. 1077011.21	
P.T. STA. ML 185+86.64 N. 1046647.11 E. 1076511.59	
DELTA= 12°07'13" RADIUS= 4800.00	E= 26.98 L= 1015.40 T= 509.60
BACK TANGENT AZ 293°28'43"	
AHEAD TANGENT AZ 281°21'30"	
CURVE ML 9	
P.C. STA. ML 193+33.11 N. 1046794.12 E. 1075779.74	
P.I. STA. ML 194+39.32 N. 1046815.04 E. 1075675.60	
P.T. STA. ML 195+45.51 N. 1046840.36 E. 1075572.45	
DELTA= 2°26'2" RADIUS= 5000.00	E= 1.13 L= 212.40 T= 106.21
BACK TANGENT AZ 281°21'30"	
AHEAD TANGENT AZ 283°47'31"	
CURVE ML 10	
P.C. STA. ML 205+16.30 N. 1047071.80 E. 1074629.65	
P.I. STA. ML 208+52.44 N. 1047151.93 E. 1074303.21	
P.T. STA. ML 211+77.64 N. 1047363.71 E. 1074042.18	
DELTA= 25°15'41" RADIUS=1500.00	E= 37.20 L= 661.34 T= 336.13
AHEAD TANGENT AZ 283°47'31"	
BACK TANGENT AZ 309°03'12"	

INTERSTATE I-190 ML HORIZONTAL ALIGNMENT DATA

CURVE ML 11	
P.C. STA. ML 215+18.88 N. 1047578.70 E. 1073777.19	
P.I. STA. ML 217+84.27 N. 1047745.91 E. 1073571.10	
P.C.C. STA. ML 220+44.21 N. 1047832.25 E. 1073320.16	
DELTA= 20°03'58" RADIUS= 1500.00	E= 23.30 L= 525.33 T= 265.38
BACK TANGENT AZ 309°03'12"	
AHEAD TANGENT AZ 288°59'14"	
CURVE ML 12	
P.C.C. STA. ML 220+44.21 N. 1047832.25 E. 1073320.16	
P.I. STA. ML 222+77.53 N. 1047908.16 E. 1073099.54	
P.T. STA. ML 225+10.51 N. 1047963.20 E. 1072872.80	
DELTA= 5°20'36" RADIUS= 5000.00	E= 5.44 L= 466.29 T= 233.32
BACK TANGENT AZ 288°59'14"	
AHEAD TANGENT AZ 283°38'38"	
CURVE ML 13	
P.C. STA. ML 243+60.46 N. 1048399.58 E. 1071075.05	
P.I. STA. ML 246+70.82 N. 1048472.79 E. 1070773.45	
P.T. STA. ML 249+72.54 N. 1048659.67 E. 1070525.67	
DELTA= 23°22'46" RADIUS=1500.00	E= 31.77 L= 612.08 T= 310.36
AHEAD TANGENT AZ 283°38'38"	
BACK TANGENT AZ 307°01'25"	
CURVE ML 14	
P.C. STA. ML 253+58.09 N. 1048891.83 E. 1070217.85	
P.I. STA. ML 255+83.33 N. 1049027.45 E. 1070038.03	
P.T. STA. ML 258+05.22 N. 1049104.28 E. 1069826.30	
DELTA= 17°04'44" RADIUS= 1500.00	E= 16.82 L= 447.13 T= 225.23
BACK TANGENT AZ 307°01'25"	
AHEAD TANGENT AZ 289°56'41"	

INTERSTATE I-190 ML HORIZONTAL ALIGNMENT DATA

CURVE ML 15	
P.C. STA. ML 261+12.96 N. 1049209.25 E. 1069537.01	
P.I. STA. ML 264+84.06 N. 1049335.84 E. 1069188.18	
P.T. STA. ML 268+40.55 N. 1049610.47 E. 1068938.60	
DELTA= 27°47'30" RADIUS= 1500.00	E= 45.22 L= 727.58 T= 371.10
BACK TANGENT AZ 289°56'40"	
AHEAD TANGENT AZ 317°44'10"	
P.O.E. STA. ML 268+40.55 N. 1049610.47 E. 1068938.60	

INTERSTATE I-190 NB HORIZONTAL ALIGNMENT DATA

P.O.B. STA. NB 16+00.00 N. 1048013.51 E. 1092279.41	
CURVE NB 1	
P.C. STA. NB 49+04.92 N. 1048099.77 E. 1088975.63	
P.I. STA. NB 55+25.68 N. 1048113.91 E. 1088355.03	
P.C.C. STA. NB 61+40.20 N. 1047976.74 E. 1087749.61	
DELTA= 14°04'15" RADIUS=5030.00	E= 38.16 L= 1235.28 T= 620.76
AHEAD TANGENT AZ 271°18'19"	
BACK TANGENT AZ 257°14'04"	
CURVE NB 2	
P.C.C. STA. NB 61+40.20 N. 1047976.74 E. 1087749.61	
P.I. STA. NB 68+00.88 N. 1047830.76 E. 1087105.26	
P.T. STA. NB 74+26.19 N. 1047362.33 E. 1086639.33	
DELTA= 32°32'16" RADIUS= 2275.00	E= 93.99 L= 1285.99 T= 660.68
BACK TANGENT AZ 257°14'04"	
AHEAD TANGENT AZ 224°50'48"	

INTERSTATE I-190 NB HORIZONTAL ALIGNMENT DATA

CURVE NB 3	
P.C. STA. NB 94+34.88 N. 1045938.19 E. 1085222.78	
P.I. STA. NB 98+88.01 N. 1045616.92 E. 1084903.23	
P.C.C. STA. NB 103+34.27 N. 1045405.04 E. 1084502.69	
DELTA= 17°16'30" RADIUS= 3983.00	E= 34.22 L= 899.39 T= 453.13
BACK TANGENT AZ 224°50'48"	
AHEAD TANGENT AZ 242°07'18"	
CURVE NB 4	
P.C.C. STA. NB103+34.27 N. 1045405.04 E. 1084502.69	
P.I. STA. NB 105+34.73 N. 1045311.30 E. 1084325.49	
P.C.C. STA. NB 107+34.78 N. 1045267.98 E. 1084129.76	
DELTA= 15°23'47" RADIUS=1483.00	E= 13.49 L= 398.51 T= 200.46
AHEAD TANGENT AZ 242°07'18"	
BACK TANGENT AZ 257°31'06"	
CURVE NB 5	
P.C.C. STA. NB 107+32.78 N. 1045237.98 E. 1084129.76	
P.I. STA. NB 114+82.53 N. 1045105.93 E. 1083397.73	
P.T. STA. NB 122+29.37 N. 1045057.13 E. 1082349.57	
DELTA= 8°44'59" RADIUS= 9800.00	E= 28.64 L= 1496.59 T= 749.75
BACK TANGENT AZ 257°31'05"	
AHEAD TANGENT AZ 266°16'05"	
CURVE NB 6	
P.C.C. STA. NB 122+29.37 N. 1045057.13 E. 1082649.57	
P.I. STA. NB 124+55.69 N. 1045042.40 E. 1082423.72	
P.C.C. STA. NB 126+78.55 N. 1045095.70 E. 1082203.77	
DELTA= 17°21'15" RADIUS= 1483.00	E= 17.17 L= 449.18 T= 226.32
BACK TANGENT AZ 266°16'04"	
AHEAD TANGENT AZ 283°37'20"	

INTERSTATE I-190 NB HORIZONTAL ALIGNMENT DATA

CURVE NB 7	
P.C.C. STA. NB 164+60.92 N. 1045986.53 E. 1078527.80	
P.I. STA. NB 168+94.62 N. 1046088.67 E. 1078106.30	
P.T. STA. NB 173+26.14 N. 1046262.10 E. 1077708.78	
DELTA= 9°56'55" RADIUS= 4983.00	E= 18.84 L= 865.22 T= 433.70
BACK TANGENT AZ 283°37'20"	
AHEAD TANGENT AZ 293°34'15"	
CURVE NB 8	
P.C. STA. NB 175+73.28 N. 1046360.93 E. 1077482.26	
P.I. STA. NB 180+98.71 N. 1046571.04 E. 1077000.67	
P.T. STA. NB 186+20.00 N. 1046672.45 E. 1076485.12	
DELTA= 12°26'33" RADIUS=4820.00	E= 28.55 L= 1046.72 T= 525.43
AHEAD TANGENT AZ 293°34'15"	
BACK TANGENT AZ 281°07'42"	
CURVE NB 9	
P.C. STA. NB 192+90.92 N. 1046801.94 E. 1075826.82	
P.I. STA. NB 193+95.75 N. 1046822.17 E. 1075723.96	
P.T. STA. NB 195+00.55 N. 1046846.88 E. 1075622.08	
DELTA= 2°30'09" RADIUS=4800.00	E= 1.14 L= 209.62 T= 104.83
AHEAD TANGENT AZ 281°07'42"	
BACK TANGENT AZ 283°37'50"	
CURVE NB 10	
P.C. STA. NB 205+10.47 N. 1047084.88 E. 1074640.60	
P.I. STA. NB 208+44.11 N. 1047163.50 E. 1074316.36	
P.T. STA. NB 211+66.82 N. 1047373.41 E. 1074057.03	
DELTA= 25°21'29" RADIUS= 1483.00	E= 37.07 L= 656.35 T= 333.64
BACK TANGENT AZ 283°37'50"	
AHEAD TANGENT AZ 308°59'18"	

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleinc.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: ALIGNMENT DATA SHEET

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: AGL-1

INTERSTATE I-190 NB HORIZONTAL ALIGNMENT DATA

CURVE NB 11	
P.C. STA. NB 215+14.55 N. 1047592.19 E. 1073786.75	
P.I. STA. NB 124+55.69 N. 1045042.40 E. 1082423.72	
P.C.C. STA. NB 126+78.55 N. 1045095.70 E. 1082203.77	
DELTA= 17°21'15" RADIUS= 1483.00	E= 17.17 L= 449.18 T= 226.32
BACK TANGENT AZ 308°59'18"	
AHEAD TANGENT AZ 289°14'05"	
CURVE NB 12	
P.C.C. STA. NB 200+38.59 N. 1047845.88 E. 1073331.17	
P.I. STA. NB 222+79.22 N. 1047925.15 E. 1073103.98	
P.T. STA. NB 225+19.45 N. 1047981.45 E. 1072870.03	
DELTA=5°42'14.89 RADIUS= 4830.00	E= 5.99 L= 480.86 T= 240.63
BACK TANGENT AZ 289°15' 05"	
AHEAD TANGENT AZ 283°31'50"	
P.O.E. STA. NB 233+60.50 N. 1048178.23 E. 1072052.32	

INTERSTATE I-190 SB HORIZONTAL ALIGNMENT DATA

P.O.B. STA. SB 16+00.00 N. 1047972.53 E. 1092278.26	
CURVE SB 1	
P.C. STA. SB 29+25.73 N. 1047998.12 E. 1090952.88	
P.I. STA. SB 31+45.69 N. 1047998.70 E. 1090732.92	
P.T. STA. SB 33+65.57 N. 1048010.03 E. 1090513.24	
DELTA= 2°48'00" RADIUS=9000.00	E= 2.69 L= 439.84 T= 219.96
BACK TANGENT AZ 270°09'07"	
AHEAD TANGENT AZ 272°57'07"	

INTERSTATE I-190 SB HORIZONTAL ALIGNMENT DATA

CURVE SB 2	
P.C. STA. SB 36+64.84 N. 1048025.44 E. 1090214.37	
P.I. STA. SB 38+39.18 N. 1048034.42 E. 1090040.26	
P.T. STA. SB 40+13.49 N. 1048038.34 E. 1089865.97	
DELTA= 1°39'53" RADIUS= 12000.00	E= 1.27 L= 348.65 T= 174.34
BACK TANGENT AZ 272°57'07"	
AHEAD TANGENT AZ 271°17'14"	
CURVE SB 3	
P.C. STA. SB 49+02.37 N. 1048058.31 E. 1088977.32	
P.I. STA. SB 55+21.37 N. 1048072.21 E. 1088358.47	
P.C.C. STA. SB 61+34.15 N. 1047935.37 E. 1087754.79	
DELTA= 14°03'32" RADIUS=5020.00	E= 38.02 L= 1231.78 T= 619.00
BACK TANGENT AZ 271°17'14"	
AHEAD TANGENT AZ 257°13'42"	
CURVE SB 4	
P.C.C. STA. SB 61+34.15 N. 1047935.37 E. 1087754.79	
P.I. STA. SB 67+95.52 N. 1047789.16 E. 1087109.78	
P.T. STA. SB 74+21.56 N. 1047320.49 E. 1086643.13	
DELTA= 32°21'08" RADIUS=2280.00	E= 93.99 L= 1287.41 T= 661.37
BACK TANGENT AZ 257°13'42"	
AHEAD TANGENT AZ 224°52'34"	
CURVE SB 5	
P.C. STA. SB 94+02.84 N. 1045916.49 E. 1085245.19	
P.I. STA. SB 98+59.90 N. 1045592.61 E. 1084922.70	
P.C.C. STA. SB 103+10.07 N. 1045378.65 E. 1084518.82	
DELTA= 17°12'43" RADIUS=3020.00	E= 34.39 L= 907.22 T= 457.05
BACK TANGENT AZ 224°52'34"	
AHEAD TANGENT AZ 242°05'17"	

INTERSTATE I-190 SB HORIZONTAL ALIGNMENT DATA

CURVE SB 6	
P.C.C. STA. SB 103+10.07 N. 1045378.65 E. 1084518.82	
P.I. STA. SB 105+16.93 N. 1045281.81 E. 1084336.02	
P.C.C. STA. SB 107+21.27 N. 1045237.35 E. 1084133.98	
DELTA= 15°30'01" RADIUS= 1520.00	E= 14.01 L= 411.21 T= 206.87
BACK TANGENT AZ 242°05'17"	
AHEAD TANGENT AZ 257°35'18"	
CURVE SB 7	
P.C.C. STA. SB 107+21.27 N. 1045237.35 E. 1084133.98	
P.I. STA. SB 114+69.98 N. 1045076.43 E. 1083402.77	
P.C.C. STA. SB 122+15.92 N. 1045025.96 E. 1082655.77	
DELTA= 8°32'48" RADIUS=10020.00	E= 27.93 L= 1494.64 T= 748.71
BACK TANGENT AZ 257°35'18"	
AHEAD TANGENT AZ 266°08'05"	
CURVE SB 8	
P.C.C. STA. SB 122+15.92 N. 1045025.96 E. 1082655.77	
P.I. STA. SB 124+49.40 N. 1045010.22 E. 1082422.81	
P.T. STA. SB 126+79.26 N. 1045065.12 E. 1082195.88	
DELTA= 17°27'56" RADIUS= 1520.00	E= 17.83 L= 463.34 T= 233.48
BACK TANGENT AZ 266°08'05"	
AHEAD TANGENT AZ 283°36'02"	
CURVE SB 9	
P.C. STA. SB 164+57.44 N. 1045953.56 E. 1078523.64	
P.I. STA. SB 168+94.38 N. 1046056.31 E. 1078098.95	
P.T. STA. SB 173+29.13 N. 1046230.88 E. 1077698.39	
DELTA= 9°56'57" RADIUS= 5020.00	E= 18.98 L= 871.70 T= 436.95
BACK TANGENT AZ 283°36'02"	
AHEAD TANGENT AZ 293°32'58"	

INTERSTATE I-190 SB HORIZONTAL ALIGNMENT DATA

CURVE SB 10	
P.C. STA. SB 175+78.38 N. 1046330.47 E. 1077469.90	
P.I. STA. SB 181+01.17 N. 1046539.34 E. 1076990.66	
P.T. STA. SB 186+19.85 N. 1046640.15 E. 1076477.69	
DELTA= 12°25'54" RADIUS= 4800.00	E= 28.39 L= 1041.46 T= 522.78
BACK TANGENT AZ 293°32'58"	
AHEAD TANGENT AZ 281°07'05"	
CURVE SB 11	
P.C. STA. SB 192+82.71 N. 1046767.97 E. 1075827.26	
P.I. STA. SB 193+94.59 N. 1046789.55 E. 1075717.49	
P.T. STA. SB 195+06.43 N. 1046815.99 E. 1075608.78	
DELTA= 2°33'12" RADIUS= 5020.00	E= 1.25 L= 223.72 T= 111.88
BACK TANGENT AZ 281°07'05"	
AHEAD TANGENT AZ 283°40'17"	
CURVE SB 12	
P.C. STA. SB 205+09.67 N. 1047053.11 E. 1074633.96	
P.I. STA. SB 208+49.22 N. 1047133.36 E. 1074304.03	
P.T. STA. SB 211+77.81 N. 1047346.39 E. 1074039.61	
DELTA= 25°11'07" RADIUS= 1520.00	E= 37.47 L= 668.14 T= 339.56
BACK TANGENT AZ 283°40'17"	
AHEAD TANGENT AZ 308°51'24"	
CURVE SB 13	
P.C. STA. SB 215+33.43 N. 1047569.50 E. 1073762.68	
P.I. STA. SB 217+93.90 N. 1047732.91 E. 1073559.85	
P.C.C. STA. SB 220+49.13 N. 1047817.54 E. 1073313.51	
DELTA= 19°53'49" RADIUS= 1485.00	E= 22.67 L= 515.69 T= 260.47
BACK TANGENT AZ 308°51'24"	
AHEAD TANGENT AZ 288°57'35"	

INTERSTATE I-190 SB HORIZONTAL ALIGNMENT DATA

CURVE SB 14	
P.C.C. STA. SB 220+49.13 N. 1047817.54 E. 1073313.51	
P.I. STA. SB 222+86.62 N. 1047894.70 E. 1073088.90	
P.T. STA. SB 225+23.76 N. 1047950.32 E. 1072858.01	
DELTA= 5°25'02" RADIUS= 5020.00	E= 5.61 L= 474.63 T= 237.49
BACK TANGENT AZ 288°57'35"	
AHEAD TANGENT AZ 283°32'33"	
P.O.E. STA. SB 233+60.08 N. 1048146.15 E. 1072044.94	

INTERSTATE I-190 RAMP A ALIGNMENT DATA

P.O.B. STA. A 1+00.00 N. 1048073.60 E. 1091481.01	
CURVE RAMP A 1	
P.C. STA. A 6+59.43 N. 1048089.41 E. 1090921.81	
P.I. STA. A 9+08.63 N. 1048096.45 E. 1090672.70	
P.T. STA. A 11+54.88 N. 1048168.82 E. 1090434.24	
DELTA= 15°15'41" RADIUS= 1860.00	E= 16.62 L= 495.45 T= 249.20
BACK TANGENT AZ 271°37'11"	
AHEAD TANGENT AZ 286°52'52"	
CURVE RAMP A 2	
P.C.C. STA. A 11+54.88 N. 1048168.82 E. 1090434.24	
P.I. STA. A 13+11.58 N. 1048214.32 E. 1090284.29	
P.T. STA. A 14+24.13 N. 1048371.02 E. 1090285.23	
DELTA= 73°27'38" RADIUS= 210.00	E= 52.02 L= 269.25 T= 156.70
BACK TANGENT AZ 286°52'52"	
AHEAD TANGENT AZ 0°20'30"	
P.O.E. STA. A 16+19.28 N. 1048566.17 E. 1090286.39	

INTERSTATE I-190 RAMP B ALIGNMENT DATA

P.O.B. STA. B 1+00.00 N. 1047511.43 E. 1090284.47	
CURVE RAMP B 1	
P.C. STA. B 2+82.21 N. 1047693.55 E. 1090290.44	
P.I. STA. B 5+06.12 N. 1047917.34 E. 1090297.76	
P.C.C. STA. B 6+58.06 N. 1047955.52 E. 1090518.39	
DELTA= 78°18'22" RADIUS= 275.00	E= 79.63 L= 375.84 T= 223.91
BACK TANGENT AZ 1°52'32"	
AHEAD TANGENT AZ 80°10'54"	
CURVE RAMP B 2	
P.C.C. STA. B 6+58.06 N. 1047955.52 E. 1090518.39	
P.I. STA. B 7+14.28 N. 1047955.52 E. 1090518.39	
P.T. STA. B 7+70.12 N. 1047963.29 E. 1090629.99	
DELTA= 11°40'27" RADIUS= 550.00	E= 2.87 L= 112.06 T= 56.23
BACK TANGENT AZ 80°10'54"	
AHEAD TANGENT AZ 88°08'40"	
P.O.E. STA. B 7+70 N. 1047963.29 E. 1090629.99	

INTERSTATE I-190 RAMP C ALIGNMENT DATA

P.O.B. STA. C 1+00.00 N. 1048384.52 E. 1089899.49	
CURVE RAMP C 1	
P.C. STA. C 1+00.00 N. 1048384.52 E. 1089899.49	
P.I. STA. C 3+52.87 N. 1048637.29 E. 1089906.52	
P.C.C. STA. C 4+27.58 N. 1048529.05 E. 1090135.05	
DELTA= 113°45'03" RADIUS= 165.00	E= 136.94 L= 327.58 T= 252.87
BACK TANGENT AZ 1°35'32"	
AHEAD TANGENT AZ 115°20'35"	

INTERSTATE I-190 RAMP C ALIGNMENT DATA

CURVE RAMP C 2	
P.C.C. STA. C 4+27.58 N. 1048529.05 E. 1090135.05	
P.I. STA. C 7+80.78 N. 1048377.87 E. 1090454.26	
P.C.C. STA. C 8+49.80 N. 1048181.91 E. 1090160.41	
DELTA= 120°57'30" RADIUS= 200.00	E= 205.89 L= 422.22 T= 353.20
BACK TANGENT AZ 115°20'33"	
AHEAD TANGENT AZ 236°18'02"	
CURVE RAMP C 3	
P.C.C. STA. C 8+49.80 N. 1048181.91 E. 1090160.41	
P.I. STA. C 9+75.94 N. 1048111.92 E. 1090055.47	
P.T. STA. C 10+94.18 N. 1048114.79 E. 1089929.37	
DELTA= 35°00'17" RADIUS= 400.00	E= 19.42 L= 244.38 T= 126.14
BACK TANGENT AZ 236°18'01"	
AHEAD TANGENT AZ 271°18'18"	
P.O.E. STA. C 10+94.18 N. 1048114.79 E. 1089929.37	

INTERSTATE I-190 RAMP D ALIGNMENT DATA

P.O.B. STA. D 1+00.00 N. 1048000.70 E. 1089910.32	
CURVE RAMP D 1	
P.C. STA. D 1+00.00 N. 1048000.70 E. 1089910.32	
P.I. STA. D 2+49.75 N. 1047997.29 E. 1090060.04	
P.C.C. STA. D 3+86.58 N. 1047896.39 E. 1090170.70	
DELTA= 41°02'60" RADIUS= 400.00	E= 27.11 L= 286.58 T= 149.75
BACK TANGENT AZ 91°18'19"	
AHEAD TANGENT AZ 132°21'19"	

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ALIGNMENT DATA SHEET

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: AGL-2

INTERSTATE I-190 RAMP D ALIGNMENT DATA

CURVE RAMP D 2	
P.C.C. STA. D 3+86.58 N. 1047896.39 E. 1090170.70	
P.I. STA. D 7+25.93 N. 1047667.81 E. 1090421.50	
P.C.C. STA. D 8+01.87 N. 1047559.11 E. 1090100.04	
DELTA= 118°58'20" RADIUS= 200.00	E= 193.90 L= 415.29 T= 339.34
BACK TANGENT AZ 132°20'47"	
AHEAD TANGENT AZ 251°19'07"	
CURVE RAMP D 3	
P.C.C. STA. D 8+01.87 N. 1047559.11 E. 1090100.04	
P.I. STA. D 8+85.80 N. 1047532.23 E. 1090020.53	
P.T. STA. D 9+68.24 N. 1047532.23 E. 1089936.61	
DELTA= 18°40'45" RADIUS= 510.29	E= 6.86 L= 166.36 T= 83.93
BACK TANGENT AZ 251°19'12"	
AHEAD TANGENT AZ 269°59'58"	
P.O.E. STA. D 9+68.24 N. 1047532.23 E. 1089936.61	

INTERSTATE I-190 RAMP E ALIGNMENT DATA

P.O.B. STA. E 1+00.00 N. 1046942.27 E. 1086772.81	
CURVE RAMP E 1	
P.C. STA. E 3+23.29 N. 1047165.50 E. 1086778.17	
P.I. STA. E 5+80.25 N. 1047422.38 E. 1086784.34	
P.T. STA. E 7+98.00 N. 1047566.90 E. 1086996.80	
DELTA= 54°23'53" RADIUS= 500.00	E= 62.16 L= 474.71 T= 256.95
BACK TANGENT AZ 1°22'34"	
AHEAD TANGENT AZ 55°46'27"	
P.O.E. STA. E 7+98.01 N. 1047566.90 E. 1086996.80	

INTERSTATE I-190 RAMP F ALIGNMENT DATA

P.O.B. STA. F 1+00.00 N. 1046989.11 E. 1086364.47	
CURVE RAMP F 1	
P.C. STA. F 1+00.00 N. 1046989.11 E. 1086364.47	
P.I. STA. F 2+55.18 N. 1047099.08 E. 1086473.95	
P.C.C. STA. F 3+82.74 N. 1047062.68 E. 1086624.81	
DELTA= 58°41'40" RADIUS= 276.00	E= 40.64 L= 282.74 T= 155.18
BACK TANGENT AZ 44°52'21"	
AHEAD TANGENT AZ 103°34'00"	
CURVE RAMP F 2	
P.C.C. STA. F 3+82.74 N. 1047062.68 E. 1086624.81	
P.I. STA. F 4+95.39 N. 1047036.26 E. 1086734.31	
P.T. STA. F 5+72.46 N. 1046923.63 E. 1086731.93	
DELTA= 77°38'35" RADIUS= 140.00	E= 39.69 L= 189.72 T= 112.65
BACK TANGENT AZ 103°33'58"	
AHEAD TANGENT AZ 181°12'34"	
P.O.E. STA. F 6+00.00 N. 1046896.09 E. 1086731.35	

INTERSTATE I-190 RAMP G ALIGNMENT DATA

P.O.B. STA. G 1+00.00 N. 1047189.56 E. 1086417.28	
CURVE RAMP G 1	
P.C. STA. G 1+00.00 N. 1047189.56 E. 1086417.28	
P.I. STA. G 1+88.77 N. 1047126.65 E. 1086354.65	
P.T. STA. G 2+77.07 N. 1047075.76 E. 1086281.92	
DELTA= 10°08'44" RADIUS= 1000.00	E= 3.93 L= 177.07 T= 88.77
BACK TANGENT AZ 224°52'21"	
AHEAD TANGENT AZ 235°01'04"	
CURVE RAMP G 2	
P.C. STA. G 5+91.08 N. 1046895.74 E. 1086024.64	
P.I. STA. G 7+06.04 N. 1046829.83 E. 1085930.45	
P.T. STA. G 8+20.75 N. 1046753.55 E. 1085844.43	
DELTA= 6°34'47" RADIUS= 2000.00	E= 3.30 L= 229.68 T= 114.96
BACK TANGENT AZ 235°01'04"	
AHEAD TANGENT AZ 228°26'17"	
P.O.E. STA. G 11+41.07 N. 1046541.05 E. 1085604.75	

INTERSTATE I-190 RAMP H ALIGNMENT DATA

P.O.B. STA. H 1+00.00 N. 1046491.87 E. 1085600.55	
CURVE RAMP H 1	
P.C. STA. H 6+05.87 N. 1046133.58 E. 1085243.43	
P.I. STA. H 7+10.73 N. 1046059.32 E. 1085169.40	
P.T. STA. H 8+15.25 N. 1045975.48 E. 1085106.43	
DELTA= 7°59'51" RADIUS= 1500.00	E= 3.66 L= 209.37 T= 104.86
BACK TANGENT AZ 224°54'26"	
AHEAD TANGENT AZ 216°54'35"	
CURVE RAMP H 2	
P.C. STA. H 10+64.54 N. 1045776.14 E. 1084956.71	
P.I. STA. H 11+56.48 N. 1045702.63 E. 1084901.50	
P.T. STA. H 12+47.00 N. 1045649.02 E. 1084826.80	
DELTA= 17°25'24" RADIUS= 600.00	E= 7.00 L= 182.46 T= 91.94
BACK TANGENT AZ 216°54'35"	
AHEAD TANGENT AZ 234°19'60"	
P.O.E. STA. H 12+47.00 N. 1045649.02 E. 1084826.80	

INTERSTATE I-190 RAMP J ALIGNMENT DATA

P.O.B. STA. J 1+00.00 N. 1045029.36 E. 1082189.91	
CURVE RAMP J 1	
P.C. STA. J 1+69.70 N. 1045012.95 E. 1082257.65	
P.I. STA. J 4+19.07 N. 1044954.25 E. 1082500.01	
P.T. STA. J 6+53.69 N. 1044769.97 E. 1082668.03	
DELTA= 34°01'32" RADIUS= 815.00	E= 37.30 L= 483.99 T= 249.37
BACK TANGENT AZ 103°36'60"	
AHEAD TANGENT AZ 137°38'32"	
CURVE RAMP J 2	
P.C. STA. J 9+50.46 N. 1044550.68 E. 1082867.98	
P.I. STA. J 9+90.39 N. 1044521.17 E. 1082894.88	
P.T. STA. J 10+29.71 N. 1044484.97 E. 1082911.73	
DELTA= 17°23'46" RADIUS= 261.00	E= 3.04 L= 79.24 T= 39.93
BACK TANGENT AZ 137°38'32"	
AHEAD TANGENT AZ 155°02'17"	
CURVE RAMP J 3	
P.C.C. STA. J 10+29.71 N. 1044484.97 E. 1082911.73	
P.I. STA. J 11+18.66 N. 1044404.32 E. 1082949.27	
P.C.C. STA. J 11+99.57 N. 1044319.29 E. 1082923.15	
DELTA= 42°02'22" RADIUS= 231.50	E= 16.50 L= 169.86 T= 88.96
BACK TANGENT AZ 155°02'17"	
AHEAD TANGENT AZ 197°04'39"	
P.O.E. STA. J 11+99.57 N. 1044319.29 E. 1082923.15	

INTERSTATE I-190 RAMP K ALIGNMENT DATA

P.O.B. STA. K 1+00.00 N. 1045145.12 E. 1082559.78	
CURVE RAMP K 1	
P.C. STA. K 7+63.88 N. 1045212.76 E. 1081899.36	
P.I. STA. K 8+04.68 N. 1045216.92 E. 1081858.76	
P.T. STA. K 8+45.36 N. 1045226.54 E. 1081819.11	
DELTA= 7°46'51" RADIUS= 600.00	E= 1.39 L= 81.48 T= 40.80
BACK TANGENT AZ 275°50'52"	
AHEAD TANGENT AZ 283°37'43"	
P.O.E. STA. K 8+45.36 N. 1045226.53 E. 1081819.11	

INTERSTATE I-190 RAMP L ALIGNMENT DATA

P.O.B. STA. L 1+00.00 N. 1045804.36 E. 1078353.96	
CURVE RAMP L 1	
P.C. STA.L 1+00.00 N. 1045804.36 E. 1078353.96	
P.I. STA. L 2+49.90 N. 1045950.02 E. 1078389.36	
P.T. STA. L 3+35.52 N. 1045914.72 E. 1078535.04	
DELTA= 89°57'41" RADIUS= 150.00	E= 62.06 L= 235.52 T= 149.90
BACK TANGENT AZ 13°39'30"	
AHEAD TANGENT AZ 103°37'11"	
P.O.E. STA. L 3+35.52 N. 1045914.72 E. 1078535.04	

INTERSTATE I-190 RAMP L1 ALIGNMENT DATA

P.O.B. STA. L1 1+00.00 N. 1045538.94 E. 1077949.85	
CURVE RAMP L1 1	
P.C. STA. L1 2+47.96 N. 1045504.00 E. 1078093.62	
P.I. STA. L1 4+11.91 N. 1045465.30 E. 1078252.93	
P.T. STA. L1 5+05.52 N. 1045624.60 E. 1078291.69	
DELTA= 89°58'51" RADIUS= 164.00	E= 67.89 L= 257.56 T= 163.94
BACK TANGENT AZ 103°39'22"	
AHEAD TANGENT AZ 13°40'31"	
P.O.E. STA. L1 6+94.90 N. 1045808.61 E. 1078336.47	

INTERSTATE I-190 RAMP M ALIGNMENT DATA

P.O.B. STA. M 1+00.00 N. 1046014.12 E. 1078175.97	
CURVE RAMP M 1	
P.C. STA. M 1+00.00 N. 1046014.12 E. 1078175.97	
P.I. STA. M 1+48.67 N. 1045999.41 E. 1078222.36	
P.C.C. STA. M 1+96.50 N. 1045970.79 E. 1078261.72	
DELTA= 18°25'50" RADIUS= 300.00	E= 3.92 L= 96.50 T= 48.67
BACK TANGENT AZ 107°35'36"	
AHEAD TANGENT AZ 126°01'26"	
CURVE RAMP M 2	
P.C.C. STA. M 1+96.50 N. 1045970.79 E. 1078261.72	
P.I. STA. M 2+96.99 N. 1045911.69 E. 1078342.99	
P.T. STA. M 3+73.58 N. 1045814.04 E. 1078319.26	
DELTA= 67°38'12" RADIUS= 150.00	E= 30.55 L= 177.07 T= 100.49
BACK TANGENT AZ 126°01'36"	
AHEAD TANGENT AZ 193°39'48"	
P.O.E. STA. M 3+73.58 N. 1045814.05 E. 1078319.26	

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ALIGNMENT DATA SHEET
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	AGL-3

INTERSTATE I-190 RAMP N ALIGNMENT DATA	
P.O.B. STA. N 1+00.00 N. 1046187.00 E. 1077992.18	
CURVE RAMP N 1	
P.C. STA. N 1+00.00 N. 1046187.00 E. 1077992.18	
P.I. STA. N 1+82.05 N. 1046215.35 E. 1077915.18	
P.C.C. STA. N 2+62.32 N. 1046269.05 E. 1077853.14	
DELTA= 20°40'04" RADIUS= 450.00	E= 7.42 L= 162.32 T= 82.05
BACK TANGENT AZ 290°12'41"	
AHEAD TANGENT AZ 310°52'45"	
CURVE RAMP N 2	
P.C.C. STA. N 2+62.32 N. 1046269.05 E. 1077853.14	
P.I. STA. N 5+06.91 N. 1046429.12 E. 1077668.21	
P.T. STA. N 6+34.51 N. 1046600.08 E. 1077843.13	
DELTA= 94°46'36" RADIUS= 225.00	E= 107.34 L= 372.19 T= 244.59
BACK TANGENT AZ 310°52'46"	
AHEAD TANGENT AZ 45°39'22"	
P.O.E. STA. N 6+34.51 N. 1046600.08 E. 1077843.13	

INTERSTATE I-190 RAMP O ALIGNMENT DATA	
P.O.B. STA. O 1+00.00 N. 1046627.97 E. 1077815.87	
CURVE RAMP O 1	
P.C. STA. O 2+86.16 N. 1046497.85 E. 1077682.74	
P.I. STA. O 4+65.90 N. 1046372.22 E. 1077554.20	
P.T. STA. O 6+04.55 N. 1046439.53 E. 1077387.54	
DELTA= 66°20'13" RADIUS= 275.00	E= 53.53 L= 318.39 T= 179.74
BACK TANGENT AZ 225°39'21"	
AHEAD TANGENT AZ 291°59'34"	
P.O.E. STA. O 6+04.55 N. 1046439.53 E. 1077387.53	

INTERSTATE I-190 RAMP O1 ALIGNMENT DATA	
P.O.B. STA. O1 1+00.00 N. 1046638.16 E. 1078216.96	
CURVE RAMP O1 1	
P.C. STA. O1 2+63.45 N. 1046676.76 E. 1078058.13	
P.I. STA. O1 3+98.99 N. 1046708.76 E. 1077926.43	
P.T. STA. O1 5+10.97 N. 1046614.03 E. 1077829.50	
DELTA= 58°00'07" RADIUS= 244.50	E= 35.05 L= 247.51 T= 135.53
BACK TANGENT AZ 283°39'29"	
AHEAD TANGENT AZ 225°39'22"	
P.O.E. STA. O1 5+10.97 N. 1046614.03 E. 1077829.50	

INTERSTATE I-190 RAMP P ALIGNMENT DATA	
P.O.B. STA. P 1+00.00 N. 1047117.00 E. 1074662.33	
CURVE RAMP P 1	
P.C. STA. P 1+00.00 N. 1047117.00 E. 1074662.33	
P.I. STA. P 1+68.77 N. 1047133.19 E. 1074595.49	
P.C.C. STA. P 2+35.57 N. 1047174.90 E. 1074540.82	
DELTA= 23°43'23" RADIUS= 327.42	E= 7.14 L= 135.57 T= 68.77
BACK TANGENT AZ 283°37'03"	
AHEAD TANGENT AZ 307°20'26"	
CURVE RAMP P 2	
P.C.C. STA. P 2+35.57 N. 1047174.90 E. 1074540.82	
P.I. STA. P 10+33.81 N. 1047659.18 E. 1073906.27	
P.T. STA. P 6+97.69 N. 1047474.99 E. 1074682.97	
DELTA= 155°59'26" RADIUS= 169.74	E= 646.35 L= 462.13 T= 798.24
BACK TANGENT AZ 307°21'02"	
AHEAD TANGENT AZ 103°20'28"	
P.O.E. STA. P 6+97.71 N. 1047475.00 E. 1074682.95	

INTERSTATE I-190 RAMP Q ALIGNMENT DATA	
P.O.B. STA. Q 1+00.00 N. 1047508.72 E. 1074690.99	
CURVE RAMP Q 1	
P.C. STA. Q 1+00.00 N. 1047508.72 E. 1074690.99	
P.I. STA. Q 2+04.92 N. 1047533.06 E. 1074588.94	
P.T. STA. Q 3+01.95 N. 1047488.87 E. 1074493.78	
DELTA= 38°19'50" RADIUS= 301.87	E= 17.71 L= 201.95 T= 104.92
BACK TANGENT AZ 283°25'07"	
AHEAD TANGENT AZ 245°05'16"	
CURVE RAMP Q 2	
P.C. STA. Q 4+43.58 N. 1047429.21 E. 1074365.34	
P.I. STA. Q 6+67.54 N. 1047334.87 E. 1074162.21	
P.T. STA. Q 8+44.06 N. 1047475.84 E. 1073988.18	
DELTA= 63°55'17" RADIUS= 358.97	E= 64.14 L= 400.48 T= 223.97
BACK TANGENT AZ 245°05'14"	
AHEAD TANGENT AZ 309°00'30"	
P.O.E. STA. Q 8+44.06 N. 1047475.84 E. 1073988.18	

INTERSTATE I-190 RAMP Q1 ALIGNMENT DATA	
P.O.B. STA. Q1 1+00.00 N. 1047442.95 E. 1074891.94	
CURVE RAMP Q 1	
P.C. STA. Q1 3+05.28 N. 1047490.59 E. 1074692.26	
P.I. STA. Q1 4+02.62 N. 1047513.18 E. 1074597.58	
P.T. STA. Q1 4+89.61 N. 1047461.45 E. 1074515.12	
DELTA= 45°31'25" RADIUS= 232.00	E= 19.59 L= 184.33 T= 97.34
BACK TANGENT AZ 76°34'52"	
AHEAD TANGENT AZ 57°53'44"	
P.O.E. STA. Q1 4+89.61 N. 1047461.45 E. 1074515.12	

INTERSTATE I-190 RAMP R ALIGNMENT DATA	
P.O.B. STA. R 1+00.00 N. 1047337.43 E. 1073313.01	
CURVE RAMP R 1	
P.C. STA. R 1+00.00 N. 1047337.43 E. 1073313.01	
P.I. STA. R 1+68.08 N. 1047310.66 E. 1073375.61	
P.T. STA. R 2+30.85 N. 1047329.33 E. 1073441.08	
DELTA= 39°04'14" RADIUS= 191.89	E= 11.72 L= 130.85 T= 68.08
BACK TANGENT AZ 113°09'12"	
AHEAD TANGENT AZ 74°04'58"	
CURVE RAMP R 2	
P.C. STA. R 4+05.99 N. 1047377.36 E. 1073609.51	
P.I. STA. R 6+55.77 N. 1047445.86 E. 1073849.71	
P.T. STA. R 8+68.99 N. 1047294.20 E. 1074048.18	
DELTA= 53°18'10" RADIUS= 497.68	E= 59.16 L= 463.00 T= 249.78
BACK TANGENT AZ 74°04'58"	
AHEAD TANGENT AZ 127°23'08"	
P.O.E. STA. R 8+68.99 N. 1047294.20 E. 1074048.18	

INTERSTATE I-190 RAMP R1 ALIGNMENT DATA	
P.O.B. STA. R1 1+00.00 N. 1047429.96 E. 1073146.22	
CURVE RAMP R 1	
P.C. STA. R1 2+89.40 N. 1047355.49 E. 1073320.37	
P.I. STA. R1 3+66.86 N. 1047325.03 E. 1073391.58	
P.T. STA. R1 4+35.15 N. 1047357.57 E. 1073461.88	
DELTA= 47°59'35" RADIUS= 174.00	E= 16.46 L= 145.75 T= 77.46
BACK TANGENT AZ 66°50'51"	
AHEAD TANGENT AZ 65°09'35"	
P.O.E. STA. R1 4+35.15 N. 1047357.57 E. 1073461.88	

INTERSTATE I-190 RAMP S ALIGNMENT DATA	
P.O.B. STA. S 1+00.00 N. 1047784.02 E. 1073304.41	
CURVE RAMP S 1	
P.C. STA. S 1+00.00 N. 1047784.02 E. 1073304.41	
P.I. STA. S 1+78.60 N. 1047758.36 E. 1073378.71	
P.C.C. STA. S 2+55.93 N. 1047711.13 E. 1073441.54	
DELTA= 17°52'06" RADIUS= 500.00	E= 6.14 L= 155.93 T= 78.60
BACK TANGENT AZ 109°03'32"	
AHEAD TANGENT AZ 126°55'38"	
CURVE RAMP S 2	
P.C.C. STA. S 2+55.93 N. 1047711.13 E. 1073441.55	
P.I. STA. S 3+76.66 N. 1047638.59 E. 1073538.06	
P.C.C. STA. S 4+80.89 N. 1047517.91 E. 1073541.30	
DELTA= 51°32'01" RADIUS= 250.11	E= 27.61 L= 224.96 T= 120.73
BACK TANGENT AZ 126°55'42"	
AHEAD TANGENT AZ 178°27'43"	
CURVE RAMP S 3	
P.C.C. STA. S 4+80.89 N. 1047517.91 E. 1073541.30	
P.I. STA. S 7+19.36 N. 1047279.52 E. 1073547.61	
P.T. STA. S 7+86.88 N. 1047373.28 E. 1073328.34	
DELTA= 114°40'14" RADIUS= 152.89	E= 130.39 L= 305.99 T= 238.47
BACK TANGENT AZ 178°28'57"	
AHEAD TANGENT AZ 293°09'11"	
P.O.E. STA. S 7+86.88 N. 1047373.28 E. 1073328.34	

INTERSTATE I-190 RAMP U ALIGNMENT DATA	
P.O.B. STA. U 1+00.00 N. 1048414.34 E. 1071276.58	
CURVE RAMP U 1	
P.C. STA. U 1+00.00 N. 1048414.34 E. 1071276.58	
P.I. STA. U 2+43.91 N. 1048448.04 E. 1071136.67	
P.C.C. STA. U 3+66.53 N. 1048580.63 E. 1071080.73	
DELTA= 53°34'58" RADIUS= 285.00	E= 34.27 L= 266.53 T= 143.91
BACK TANGENT AZ 283°32'36"	
AHEAD TANGENT AZ 337°07'34"	
CURVE RAMP U 2	
P.C.C. STA. U 3+66.53 N. 1048580.63 E. 1071080.73	
P.I. STA. U 5+57.58 N. 1048756.66 E. 1071006.47	
P.C.C. STA. U 7+47.47 N. 1048943.56 E. 1070966.88	
DELTA= 10°54'47" RADIUS= 2000.00	E= 9.10 L= 380.94 T= 191.05
BACK TANGENT AZ 337°07'34"	
AHEAD TANGENT AZ 348°02'22"	
CURVE RAMP U 3	
P.C.C. STA. U 7+47.47 N. 1048943.56 E. 1070966.88	
P.I. STA. U 7+66.24 N. 1048961.92 E. 1070962.99	
P.T. STA. U 7+85.01 N. 1048980.44 E. 1070959.91	
DELTA= 2°31'48" RADIUS= 850.00	E= 0.21 L= 37.53 T= 18.77
BACK TANGENT AZ 348°02'21"	
AHEAD TANGENT AZ 350°34'09"	
P.O.E. STA. U 7+85.01 N. 1048980.44 E. 1070959.91	

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 | www.chacompanies.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
ALIGNMENT DATA SHEET

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: AGL-4

GENERAL WORK ZONE TRAFFIC CONTROL

1. WORK ZONE TRAFFIC CONTROL SHALL BE PROVIDED THROUGHOUT THE LENGTH OF THE CONTRACT IN ACCORDANCE WITH THE PROVISIONS OF SECTION 619 - WORK ZONE TRAFFIC CONTROL - OF THE NYSDOT STANDARD SPECIFICATIONS, THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ANY PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS, AND AS ORDERED BY THE ENGINEER (A.O.B.E.). THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (NATIONAL MUTCD) SHALL BE DEFINED AS THE MOST CURRENT EDITION OF THE NATIONAL MUTCD.
2. THE CONTRACT DOCUMENTS AND THE TRAFFIC MAINTENANCE SCHEMES SHOWN IN SECTION 6 OF THE NATIONAL MUTCD ARE CONSIDERED TO BE MINIMUM REQUIREMENTS. ADDITIONAL SIGNS, DELINEATION, AND/OR TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS DETERMINED BY THE ENGINEER. THE COST OF ANY ADDITIONAL DEVICES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - WORK ZONE TRAFFIC CONTROL.
3. THE CONTRACT DOCUMENTS ARE NOT INTENDED TO BE ALL INCLUSIVE, BUT RATHER SERVE AS A GUIDE FOR THE SAFE & EFFICIENT SEQUENCING OF CONSTRUCTION OPERATIONS. THE TRAFFIC CONTROL PLANS PROVIDE FOR THE BASIC REQUIREMENTS & RESTRICTIONS OF THIS CONTRACT. ANY INCIDENTAL ADDITIONS & REVISIONS TO THESE PLANS, AS DIRECTED BY THE ENGINEER, SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - WORK ZONE TRAFFIC CONTROL.
4. PRIOR TO THE START OF WORK, THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, ANY PROPOSED CHANGES TO THE TRAFFIC CONTROL PLANS FOR APPROVAL. ANY CHANGES WHICH ALTER THE BASIC CONCEPT OF THESE PLANS MUST BE APPROVED BY THE ENGINEER.
5. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES AND/OR CONDITIONS, ALL OPERATIONS IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO CORRECT THE SITUATION, TO THE SATISFACTION OF THE ENGINEER, BEFORE WORK IS RESUMED.
6. ON LONG LANE CLOSURES, ADDITIONAL DEVICES (DRUMS, OVERSIZED VERTICAL PANELS, ETC.) SHALL BE PLACED PERPENDICULAR TO TRAFFIC IN THE CLOSED LANE, EVERY 800 FEET. IN ADDITION, ADDITIONAL DEVICES SHALL BE SIMILARLY PLACED IN ADVANCE OF ANY TRANSVERSE DROP-OFF OF 1½ INCHES OR GREATER.
7. THE CONTRACTOR SHALL PLAN AND INCORPORATE ACCESS POINTS INTO THE WORK ZONE SUCH THAT, TO THE EXTENT PRACTICAL, THE CONTRACTOR'S VEHICLES ENTERING AND LEAVING THE WORK ZONE SHALL NOT IMPEDE THE MOVEMENT OF THROUGH TRAFFIC IN THE ADJACENT OPEN LANE(S).
8. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE CLEAR ROADSIDE AREA DURING THE HOURS THAT THE CONTRACTOR IS NOT WORKING. THIS REQUIREMENT SHALL NOT BE LIMITED TO THE CONTRACT LIMITS.
9. ADDITIONAL WORK ZONE TRAFFIC CONTROL NOTES ARE INCLUDED ELSEWHERE IN THE TRAFFIC CONTROL PLANS, OTHER CONTRACT DRAWINGS AND THE NYSTA CURRENT STANDARD SHEETS.
10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE HIGHWAYS WILL BE DESIGNATED AS NON-RESTRICTED HIGHWAYS UNDER THIS CONTRACT.
11. WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE IS NO CONFLICT IN SIGNING AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

DELINEATION AND CHANNELIZATION

1. THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE TRAVELED WAY AND AREAS ON WHICH IT IS UNSAFE TO TRAVEL. THE PROVISIONS FOR DELINEATION SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS 619 AND NYSTA STANDARD SHEETS TA 619-01 AND TA 619-02. THESE SECTIONS INDICATE THE MINIMUM DELINEATION REQUIREMENTS. ADDITIONAL DELINEATION MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. MUTCD COMPLIANT CHANNELIZATION DEVICES MEETINGS 619 SPECIFICATIONS SHALL BE USED AT HAZARDOUS LOCATIONS DETERMINED BY THE ENGINEER. DELINEATION DEVICES SHALL REMAIN IN PLACE UNTIL SATISFACTORY PROTECTION IS PROVIDED OR THE HAZARD REMOVED. THEY SHALL BE SPACED AT A DISTANCE NOT TO EXCEED 40 FEET OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY ELECT, AT NO ADDITIONAL COST TO THE AUTHORITY, TO INSTALL TEMPORARY POSITIVE BARRIER TO ELIMINATE DROP-OFFS OR HAZARDS. THE COST OF ALL DELINEATION AND DROP-OFF PROTECTION SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
2. PAVEMENT MARKINGS PLACED DURING CONSTRUCTION SHALL BE APPLIED PER SECTION 619 OF THE NYSDOT STANDARD SPECIFICATIONS AND SHALL CONFORM TO THE PROJECT'S PERMANENT MARKINGS WITH RESPECT TO COLOR AND PATTERN. PAYMENT WILL BE MADE UNDER ITEMS 619.10010125 & 619.10010225 - INTERIM PAVEMENT MARKINGS STRIPES.
3. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE WORK ZONE. ALL DISLODGED DELINEATION DEVICES AND/OR OBSCURED PAVEMENT MARKINGS WILL BE RESET AND/OR RE-MARKED AS REQUIRED, OR A.O.B.E.
4. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH INTERIM PAVEMENT MARKINGS REQUIRED FOR CONSTRUCTION. THE COST TO REMOVE THE EXISTING PAVEMENT MARKINGS, UNLESS REMOVED DURING EXCAVATION, WILL BE INCLUDED IN THE PRICE BID FOR ITEMS 619.08010225 - REMOVE PAVEMENT MARKING STRIPES 6 INCHES.
5. THE CONTRACTOR SHALL NOT MIX DELINEATION DEVICES IN A LINEAR CLOSURE OR TAPER, (I.E., CONES, VERTICAL PANELS, CANDLES, OR DRUMS SHALL NOT BE USED IN THE SAME TAPER OR CLOSURE). HOWEVER, DIFFERENT WORK AREAS WITHIN THE PROJECT LIMITS MAY USE DIFFERENT DELINEATION DEVICES.
6. SEE SECTION 619-3.02A OF THE NYSDOT STANDARD SPECIFICATIONS AND NYSTA ADDENDUM TO THE STANDARD SPECIFICATIONS SECTION 619-3.02A, REGARDING TRAFFIC RIDING ON A MILLED SURFACE AND SECTION 619-3.06 AND NYSTA ADDENDUM TO THE STANDARD SPECIFICATIONS SECTION 619-3.06 REGARDING TEMPORARY PAVEMENT MARKINGS.
7. THE MAXIMUM LENGTH OF ANY CONTINUOUS WORK SPACE SHALL NOT EXCEED 2 MILES EXCEPT UNDER A FOUR-LANE, TWO-WAY OPERATION (FLTWO). ALL TRAFFIC SHALL BE RE-ESTABLISHED TO ITS NORMAL LANE CONFIGURATION FOR A MINIMUM 2 MILES PRIOR TO A SUCCESSIVE LANE CLOSURE. (THE SEPARATION BETWEEN SUCCESSIVE LANE CLOSURES IS MEASURED FROM THE LAST SIGN OF THE FIRST LANE CLOSURE TO THE BEGINNING OF THE MERGING TAPER OF THE SECOND LANE CLOSURE).

CONSTRUCTION SIGNS

1. DIAMOND-SHAPED ADVANCE WARNING SIGNS SHALL BE USED FOR ALL ADVANCE WARNING SIGNS SHOWN IN THE NATIONAL MUTCD. COLOR REQUIREMENTS SHALL BE BLACK TEXT ON ORANGE BACKGROUND. COLOR REQUIREMENTS FOR REGULATORY & GUIDE SIGNS USED FOR CONSTRUCTION SIGNING SHALL BE AS SPECIFIED IN THE NATIONAL MUTCD FOR EACH SIGN, OR AS NOTED ON THE PLANS.
2. LONGITUDINAL PLACEMENT OF CONSTRUCTION SIGNS SHALL BE AS SHOWN ON THE TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. THE LATERAL CLEARANCE FROM THE EDGE OF THE TRAVEL LANE TO THE EDGE OF THE CONSTRUCTION SIGN SHALL BE A MINIMUM OF 3 FEET, OR AS A.O.B.E.. SIGNS SHALL BE PLACED TO PROVIDE OPTIMUM VISIBILITY.
3. MOUNTING HEIGHT REQUIREMENTS FOR ALL LONG DURATION CONSTRUCTION SIGNS SHALL BE 7 FEET MINIMUM MEASURED FROM THE GROUND SURFACE TO THE BOTTOM OF THE SIGN. SHORT DURATION CONSTRUCTION SIGNS MAY BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET, OR A.O.B.E.
4. DURING THE PROGRESSION OF CONSTRUCTION, SOME EXISTING SIGNS MAY REQUIRE MINOR RELOCATION DUE TO TEMPORARY PAVEMENT WIDENING, SHIFT OF TRAFFIC LANES, OR CHANGE IN THE FLOW OF TRAFFIC. THE COST OF THESE RELOCATIONS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
5. ALL FLAGGING OPERATIONS SHALL USE 24" (MIN.) OCTAGONAL SHAPED STOP/SLOW PADDLES HAVING A 6' STAFF.
6. THE COST OF ALL TEMPORARY SIGNS NECESSARY FOR WORK ZONE TRAFFIC CONTROL AS NOTED IN THE PLANS, STANDARD SPECIFICATIONS, NATIONAL MUTCD, AND A.O.B.E., SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
7. THE CONTRACTOR WILL BE REQUIRED TO COVER AND UNCOVER EXISTING AND CONSTRUCTION SIGNS DURING THE PROJECT. THIS PROCESS WILL BE DIRECTED BY THE ENGINEER-IN-CHARGE AND SHALL BE INCLUDED IN ITEM 619.01 AT NO ADDITIONAL COST.
8. THE CONTRACTOR SHALL REMOVE, STORE, AND RE-SET EXISTING SIGNS WHICH CONFLICT WITH CONSTRUCTION SIGNS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING SIGNS DUE TO THE REMOVAL, STORAGE, AND RE-SETTING OF THE SIGNS.
9. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
10. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE EIC.

CONSTRUCTION ACTIVITIES

1. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER, WORK AREAS ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP OR CO-EXIST.
2. NO MATERIAL IS TO BE STORED WITHIN THE CLEAR ROADSIDE AREA OTHER THAN THAT MATERIAL WHICH WILL BE PLACED THAT DAY, WITHOUT THE APPROVAL OF THE ENGINEER. THE CLEAR ROADSIDE AREA IS DEFINED AS THE AREA WITHIN 30 FEET OF THE EDGE OF TRAVEL LANE.
3. CONSTRUCTION EQUIPMENT SHALL BE REMOVED FROM THE CLEAR ROADSIDE AREA DURING HOURS THAT THE CONTRACTOR IS NOT WORKING. THIS REQUIREMENT SHALL NOT BE LIMITED TO THE CONTRACT LIMITS.
4. NO PRIVATE VEHICLES (OWNED BY THE CONTRACTOR'S EMPLOYEES) SHALL BE PARKED ON THRUWAY PROPERTY. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL MARSHALL AT AN OFF-SITE YARD AND TRAVEL TO THE WORK SITE IN CONTRACTOR OWNED WORK VEHICLES.
5. ALL OPERATIONS, INCLUDING PAVING, ROLLING, GRADING, SUPPLYING OF MATERIAL, AND THE TRAVEL OF SUPERVISORY PERSONNEL THROUGH THE WORK ZONE, AND THE ENTIRE LENGTH OF THE CONTRACT, WILL ALWAYS BE IN THE DIRECTION OF NORMAL TRAFFIC EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE ENGINEER TO PERFORM A PARTICULAR OPERATION.
6. ALL UNEVEN TRANSVERSE PAVEMENT SURFACES (I.E. PAVEMENT REBATES, END OF PAVED SURFACES) SHALL BE POSTED WITH "BUMP" SIGNS (W8-1) AND EITHER A TYPE 1 OBJECT MARKER (OM1-3) OR A CONSTRUCTION DRUM WITH A FLASHING WARNING LIGHT ON BOTH SIDES OF THE ROADWAY, TO BE LOCATED A.O.B.E. COST TO BE INCLUDED IN ITEM 619.01.

NIGHTTIME OPERATIONS NOTES

1. WORK ZONE TRAFFIC CONTROL FOR NIGHTTIME CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. TO THE EXTENT PROJECT AND TRAFFIC CONDITIONS PERMIT, THE CONTRACTOR SHALL TAKE ADVANTAGE OF DAYLIGHT HOURS BEFORE AND AFTER THE SHIFT FOR SETUP AND REMOVAL OF TRAFFIC CONTROLS, AS WELL AS OTHER PREPARATIONS AND CLEANUP WORK.
3. ALL ARROW BOARDS USED AT NIGHT SHALL BE PROPERLY DIMMED AS DESCRIBED BY THE MUTCD AND THE STANDARD SPECIFICATIONS TO AVOID GLARE FOR APPROACHING MOTORISTS.
4. NIGHTTIME OPERATIONS, INCLUDING LANE CLOSURES OR OBSTRUCTIONS, WILL BE PERMITTED AS NOTED IN THE "SCHEDULE AND SUSPENSION OF WORK" LOCATED IN THE PROPOSAL.
5. NIGHTTIME LANE CLOSURES SHALL BE LOCATED AWAY FROM OTHER CONFLICT POINTS SUCH AS RAMPS WHENEVER POSSIBLE.
6. THE CONTRACTOR SHALL PROVIDE LIGHTING FOR ALL NIGHTTIME OPERATIONS IN ACCORDANCE WITH ITEM 619.24.
7. THE CONTRACTOR IS ADVISED THAT ILLUMINATION IS TO BE PROVIDED THROUGHOUT THE ENTIRE AREA OF CONSTRUCTION OPERATIONS, WHICH INCLUDES ALL WORK AREAS OCCUPIED BY THE CONTRACTOR'S PERSONNEL (TRUCK STAGING AREAS, CLEAN OUT AREAS, LAYOUT AND MEASUREMENT AHEAD OF ACTUAL WORK, ETC.). ALL SUCH WORK AREAS ARE TO BE SHOWN ON THE LIGHTING PLAN SUBMITTED TO THE ENGINEER.

CONES, DRUMS, BARRICADES, AND MARKERS

1. ALL CHANNELIZING/DELINEATION DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM OF ONE FOOT CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE CERTAIN THAT PLACEMENT OF CONES, DRUMS AND MARKERS OR BARRICADES SHALL NOT INTERFERE WITH SIGHT DISTANCE.
2. LONGITUDINAL SPACING SHALL BE 40 FT. OTHER SPACING MAY BE REQUIRED AS SHOWN ON THE PLANS OR A.O.B.E..
3. WHERE POSSIBLE A LATERAL BUFFER SPACE OF ONE FOOT SHOULD BE PROVIDED BETWEEN THE WORK ZONE AND THE LINE OF DELINEATION DEVICES.
4. THE COST OF ANY DELINEATION AND GUIDING DEVICES (CONES, DRUMS, VERTICAL PANELS, ETC.) SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.
5. DRUMS ARE THE PREFERRED CHANNELIZING DEVICES TO BE USED DURING THE HOURS OF DARKNESS. DRUMS MUST BE USED ON TAPERS BOTH DAY AND NIGHT.

LOCAL ROADS - WORK ZONE TRAFFIC CONTROL

1. WHEN THE VISIBILITY OF THE TRAVELING PUBLIC IS RESTRICTED DUE TO WEATHER CONDITIONS AND/OR THE WORK OPERATIONS COMMENCE PRIOR TO DAWN OR CONTINUE BEYOND DUSK, FLASHING BEACONS (TYPE 'A' LIGHTS) SHALL BE PROVIDED.
2. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BUFFALO DEPARTMENT OF PUBLICS WORKS, (716) 851-5636, PRIOR TO THE START OF ANY CONSTRUCTION THAT MAY IMPACT LOCAL CITY ROADS, CITY SERVICES AND OPERATIONS.

LANE CLOSURES

1. LANE CLOSURES REQUIRED FOR ANY CONSTRUCTION OPERATIONS MUST BE CONDUCTED IN ACCORDANCE WITH THE 'LANE CLOSURE CHARTS' ON NYSTA STANDARD SHEETS TA 619-35 AND TA 619-36.
2. THE CONTRACTOR SHALL PROVIDE FLAGGERS A.O.B.E. TO CONTROL TRAFFIC MOVEMENT ALONG RAMP WORK OPERATIONS REQUIRING TEMPORARY SHIFTING OF TRAFFIC FLOW ON PORTIONS OF THE TRAVEL WAY. FLAGGING IS NOT PERMITTED ON THRUWAY MAINLINE.
3. RAMP CLOSURES WILL BE ALLOWED TO COMPLETE THE CPR AND PAVING OPERATIONS ON ALL INTERCHANGE RAMPS CONTRACTOR SHALL SUBMIT FOR APPROVAL ALL INTERCHANGE RAMP CLOSURES 7 DAYS PRIOR TO THE DESIRED CLOSURE. SEE DWGS. CPTCP-4 TO CPTCP-18 FOR RAMP DETOURS.

PAVEMENT MARKINGS

1. THE COST OF REMOVAL OR COVERING OF EXISTING PAVEMENT MARKINGS, WHERE REQUIRED, SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.08010225, REMOVE PAVEMENT MARKING STRIPES (6 INCH).
2. THE CONTRACTOR SHALL PROVIDE PAVEMENT MARKINGS AT ALL TIMES ON ALL PAVEMENT, WHETHER EXISTING, TEMPORARY OR NEW, UNTIL PERMANENT MARKINGS ARE INSTALLED OR RESTORED. THIS SHALL INCLUDE AT ALL APPROPRIATE LOCATIONS: EDGE LINES, LANE LINES (SOLID OR BROKEN), CHANNELIZING LINES, DOTTED LINES, PLUS ANY MARKINGS ORDERED BY THE ENGINEER. ALL MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, CONTRACT PLANS AND THE NEW YORK STATE MUTCD SUPPLEMENT AND SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES. THESE MARKINGS SHALL BE PAID FOR AS SHOWN ON THE CONTRACT PLANS.
3. WORK ZONE PAVEMENT MARKINGS AT 6" WIDTH, SHALL BE USED AS FOLLOWS:
   - MAINLINE - USE ITEM 619.10010125
   - RAMPS - USE ITEM 619.10010125
   - OVER WINTER SHUTDOWN - USE ITEM 619.10010225 OR AS DIRECTED BY ENGINEER.

   SEE TEMPORARY AND INTERIM PAVEMENT MARKING DETAILS ON NYSTA STANDARD SHEET TA 685-04.

   TEMPORARY OR INTERIM PAVEMENT MARKINGS COMPRISED OF TRAFFIC MARKING PAINT SHALL BE REPAINTED AT NO ADDITIONAL COST WHEN 10% OF THE UNDERLYING PAVEMENT IS VISIBLE THROUGH THE PAVEMENT MARKING OR WHEN THE ENGINEER DEEMS REFLECTIVITY IS INADEQUATE.
4. THE COST OF REMOVAL OR COVERING OF TEMPORARY PAVEMENT MARKINGS, WHERE REQUIRED SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.08010125 - REMOVE TRAFFIC PAINT.

WINTER SHUTDOWN

1. SPECIAL ATTENTION SHALL BE GIVEN BY THE CONTRACTOR TO THE MAINTENANCE OF A SATISFACTORY TRAVELED WAY DURING WINTER SHUTDOWN OF THIS PROJECT. IN COMPLIANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL ENSURE THAT ALL LANES OF TRAFFIC SHALL BE MAINTAINED WITH A PAVED SURFACE AT OR EQUAL TO THE TOP OF BINDER COURSE. ANY VALVE BOXES, MANHOLE RIMS, ETC. WHICH ARE ABOVE THE BINDER SHALL HAVE TEMPORARY ASPHALT AROUND THEM TO PROVIDE A SMOOTH SURFACE ADEQUATE FOR SNOW AND ICE CONTROL OPERATIONS.

CHECKED BY: J KLEINMANN
DRAFTED BY: P THOMPSON
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2000 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL NOTES
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCN-1

PORTABLE VARIABLE MESSAGE DISPLAY UNITS

1. THE CONTRACTOR SHALL PROVIDE UP TO 9 PORTABLE VARIABLE MESSAGE SIGNS (PVMS) WITH COMMUNICATION ABILITY (ITEM 619.110513) TO BE USED FOR THE DURATION OF THIS CONTRACT. PVMS ARE INTENDED TO SUPPLEMENT FIXED SIGNS AND ARE NOT INTENDED TO REPLACE THEM.

2. TYPICAL APPLICATIONS FOR VARIABLE MESSAGE DISPLAY UNITS INCLUDE LOCATIONS WHERE:
   - A. TRAFFIC SPEED IS EXPECTED TO DROP SUBSTANTIALLY.
   - B. SIGNIFICANT QUEUING OR DELAYS ARE EXPECTED.
   - C. CHANGES IN ALIGNMENT OR SURFACE CONDITIONS OCCUR.
   - D. LANES, RAMPS OR ROADWAYS ARE CLOSED.
   - E. SIGNIFICANT ACCIDENTS OR INCIDENTS HAVE OCCURRED.
   - F. NIGHTTIME WORK IS PERFORMED. PERIOD OF ADVANCED NOTIFICATION TO BE DETERMINED BY THE ENGINEER.

3. LOCATIONS:
   - A. VARIABLE MESSAGE SIGNS ARE TO BE PLACED BEYOND THE SHOULDER WHEREVER PRACTICAL.
   - B. VARIABLE MESSAGE SIGNS SHALL BE PLACED WHERE THEY ARE VISIBLE TO TRAFFIC FROM AT LEAST 2800 FEET AWAY BOTH DAY AND NIGHT OR APPROVED BY ENGINEER.

4. PORTABLE VARIABLE MESSAGE SIGNS SHALL BE LOCATED AS DEEMED NECESSARY BY THE AUTHORITY'S PROJECT ENGINEER AND BY THE NYSTA DIVISION TRAFFIC SUPERVISOR. ALTHOUGH PAYMENT IS PER SIGN, THE CONTRACTOR MAY BE REQUIRED TO MOVE THE SIGNS AS OFTEN AS REQUESTED BY EITHER THE ENGINEER OR THE NYSTA DIVISION TRAFFIC SUPERVISOR. NO ADDITIONAL PAYMENT WILL BE MADE FOR SIGN MOVEMENTS.

5. IN ADDITION TO NOTE 4 ABOVE, THE CONTRACTOR SHALL PLACE A PORTABLE VARIABLE MESSAGE SIGN (PVMS) ON NY ROUTE 400, FACING NORTHBOUND TRAFFIC. EXACT LOCATIONTO BE DETERMINED BY THE NYSTA DIVISION TRAFFIC SUPERVISOR. PLACEMENT OF THIS PVMS WILL REQUIRE THE CONTRACTOR TO OBTAIN A HIGHWAY WORK PERMIT FROM NYSDOT. THE COST TO OBTAIN THIS WORK PERMIT IS INCLUDED IN THE PRICE BID OF THE VARIOUS 619 ITEMS IN THE CONTRACT.

6. ALL MESSAGES DISPLAYED BY THE VARIABLE MESSAGE SIGNS SHALL BE APPROVED BY THE NYSTA DIVISION TRAFFIC SUPERVISOR PRIOR TO USE.

EMERGENCY VEHICLE ACCESS

1. THE CONTRACTOR MUST PROVIDE SAFE AND CONVENIENT EMERGENCY ACCESS AT ALL TIMES DURING CONSTRUCTION. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE, POLICE, AND AMBULANCE SERVICES TO COORDINATE THE PROPOSED CONSTRUCTION SCHEDULE, AND TO DEVELOP AN EMERGENCY ACCESS PLAN FOR ALL ROADS AND STREETS WITHIN THE PROJECT LIMITS.

2. THE CONTRACTOR SHALL PROVIDE A WRITTEN LIST OF INDIVIDUALS RESPONSIBLE FOR EMERGENCY REPAIRS AND EMERGENCY COORDINATION. THIS "CALL OUT" LIST SHALL BE PROVIDED TO THE LOCAL FIRE, POLICE, AND AMBULANCE SERVICES, THE VILLAGE GOVERNMENT CENTER, AND THE ENGINEER. THIS LIST SHALL INCLUDE THE NAME, ADDRESS, AND TELEPHONE NUMBER(S) OF THE PERSONS AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS DURING NON-WORKING HOURS.

3. IF EMERGENCY ACCESS IS REQUIRED THROUGH ANY CLOSED WORK AREA, THE CONTRACTOR SHALL BE RESPONSIBLE TO ALWAYS BE PREPARED TO ALLOW EMERGENCY VEHICLES THROUGH THE CLOSED AREA. THIS MAY REQUIRE TRENCHES TO BE COVERED WITH STEEL PLATES, EXCAVATION DROP OFFS TO BE BACKED-UP AND RAMPED, OR THE ACTUAL PROGRESSION OF WORK TO BE SEQUENCED. THE COST OF ANY ADDITIONAL WORK NECESSARY TO MEET THIS REQUIREMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - WORK ZONE TRAFFIC CONTROL.

DELINEATORS

1. SEE NYSTA STANDARD SHEET TA 646-01 FOR DELINEATOR AND MILE MARKER DETAILS.

2. EXISTING DELINEATORS AND MILE MARKERS DURING CONSTRUCTION:
   - RELOCATION AND BACK-TO-BACK DELINEATOR AND MILE MARKERS COSTS SHALL BE INCLUDED UNDER ITEM 619.01.
   - DELINEATORS AND MILE MARKERS SHALL BE CLEARLY VISIBLE AT ALL TIMES.

3. REMOVE AND REPLACE EXISTING DELINEATORS AND MILE MARKERS AT COMPLETION OF PROJECT IN ACCORDANCE WITH NYSTA STANDARD SHEET TA 646-01. PAYMENT SHALL BE UNDER DELINEATOR AND MILE MARKERS REMOVAL AND NEW DELINEATOR PAYMENT ITEMS.

'BE PREPARED TO STOP' SIGNS

1. THE CONTRACTOR SHALL HAVE ON HAND "BE PREPARED TO STOP" SIGNS (W3-4) TO BE INSTALLED IN ADVANCE OF LANE CLOSURE SETUPS WHERE THE ENGINEER DETERMINES THEY ARE NECESSARY. THE SIGNS AS WELL AS ADDITIONAL W20-1 "ROAD WORK" SIGNS SHALL BE PLACED AND RELOCATED AS NECESSARY IN ACCORDANCE WITH SECTION 619-3.02H.5 OF THE STANDARD SPECIFICATIONS AND AS MODIFIED BY THE CONTRACT PROPOSAL. THE CONTRACTOR SHALL HAVE THESE SIGNS (48" X 48") TRUCK MOUNTED AND READY FOR AN INCIDENT ON SHORT NOTICE.

CONSTRUCTION INGRESS AND EGRESS

1. VEHICLES, MATERIALS, AND/OR EQUIPMENT, INCLUDING OUT OF SERVICE SIGNS, SHALL NOT BE PARKED OR STORED WITHIN 30 FT. OF A ROADWAY USED BY THE GENERAL PUBLIC OR ANY OTHER AREAS DEEMED HAZARDOUS BY THE EIC.

2. VEHICLES PARKED BEHIND GUIDERAIL/BARRIER SHALL BE PARKED BEYOND DEFLECTION DISTANCE AND WITHIN THE POINT OF NEED COVERAGE.

BARRIER/SHADOW VEHICLES

1. IN ADDITION TO THE REQUIREMENTS OF SECTION 619-2.02G AND 619-3.02G OF THE NYS STANDARD SPECIFICATIONS, AND UNLESS OTHERWISE APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE BARRIER/SHADOW VEHICLES FOR ALL ACTIVE WORK AREAS OCCUPYING ANY TRAVEL LANE OR SHOULDER CLOSED TO TRAFFIC WITH CONES, DRUMS OR OTHER CHANNELIZING DEVICES. A SEPARATE BARRIER/SHADOW VEHICLE SHALL BE PROVIDED IN EACH CLOSED LANE AND EACH CLOSED SHOULDER 8 FT OR GREATER IN WIDTH.

2. EXCEPTIONS TO THE REQUIREMENT MAY BE MADE WHERE, IN THE JUDGEMENT OF THE ENGINEER, THE BARRIER/SHADOW VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE OPERATION OF TRAFFIC AT OR NEAR RAMPS OR CONNECTORS.

3. THE BARRIER/SHADOW VEHICLES SHALL TYPICALLY BE LOCATED AS INDICATED ON THE PLANS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF THE WORK AREAS MOVE WITHIN A STATIONARY LANE OR SHOULDER CLOSURE THE BARRIER/SHADOW VEHICLE SHALL BE RE-POSITIONED ACCORDINGLY.

4. PAYMENT FOR TYPICAL BARRIER/SHADOW VEHICLES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

5. THE ARROW PANEL SHALL OPERATE IN THE "CAUTION MODE" WHEN IN USE. A "4 CORNER FLASH" SHALL ONLY BE PERMITTED. A FLASHING BAR DISPLAY SHALL NOT BE PERMITTED FOR THE CAUTION MODE. USE "4 LAMPS FLASHING SIMULTANEOUSLY" OR "2 PAIRS OF LAMPS FLASHING IN A PATTERN". A DIRECTION WILL NOT BE INDICATED.

6. ANY ROADWAY DEBRIS PICKUP BY CONTRACTOR PERSONNEL SHALL BE PROTECTED BY THE A SHADOW VEHICLE WITH IMPACT ATTENUATOR.

DRAINAGE

1. THE CONTRACTOR MUST MAINTAIN EXISTING DRAINAGE AT ALL TIMES DURING CONSTRUCTION OR AOBE.

SLOWING AND STOPPING TRAFFIC

1. SLOWING AND STOPPING OF TRAFFIC SHALL BE USED FOR REMOVAL AND INSTALLATION OF OVERHEAD SIGN STRUCTURES, OVERHEAD SIGN PANELS AND OTHER OPERATIONS AS APPROVED BY THE ENGINEER.

2. SLOWING AND STOPPING TRAFFIC ALONG I-190 WILL BE LIMITED TO 15 MINUTES.

3. REQUESTS FOR SLOWING/STOPPING TRAFFIC SHALL BE SUBMITTED TO THE ENGINEER AT LEAST TWO (2) WEEKS PRIOR TO A PLANNED SLOWING/STOPPING OPERATION.

4. THE CONTRACTOR SHALL PERFORM SLOWDOWNS/STOPPAGES ACCORDING TO THE PROCEDURES NOTED IN THE NYSTA ADDENDUM TO THE NYSDOT STANDARD SPECIFICATIONS.

5. GENERAL ALLOWABLE HOURS OF STOPPAGE 12 A.M. TO 6 A.M. FOR NORTHBOUND AND SOUTHBOUND DIRECTIONS, SUBJECT TO APPROVAL.

6. HOLIDAY RESTRICTIONS REFER TO THE SCHEDULE AND SUSPENSION OF WORK WITHIN THE PROPOSAL FOR RESTRICTIONS WHEN SLOWDOWNS/STOPPAGES WILL NOT BE ALLOWED.

7. MINIMUM CLEARANCE TIME BETWEEN SLOWDOWNS/STOPPAGES SHALL BE 15 MINUTES.

8. EMERGENCY SERVICE PROVIDES, INCLUDING NYS POLICE, LOCAL POLICE/AMBULANCE/FIRE DEPARTMENTS, NYSTA, NITTEC, NYSDOT AND THE CITY OF BUFFALO DEPT. OF PUBLIC WORKS SHALL BE NOTIFIED AT LEAST ONE (1) WEEK PRIOR TO UTILIZATION OF TRAFFIC SLOWDOWNS/STOPPAGES.

9. ALL COSTS RELATED TO SLOWDOWNS/STOPPAGE OF TRAFFIC SHALL BE INCLUDED IN ITEM 619.01

SUGGESTED CONSTRUCTION SEQUENCE

SECTION 1 / PHASE 1 / STAGES 1 AND 2(MP 900.6 TO 901.4)

STAGE 1: CROSS-OVER TRAFFIC TO NORTHBOUND LANES, CONSTRUCT SOUTHBOUND MAINLINE.

STAGE 2: CROSS OVER TRAFFIC TO SOUTHBOUND LANES, CONSTRUCT NORTHBOUND MAINLINE.

SECTION 2 / PHASES 1 AND 2 / STAGES 1 AND 2STAGE 1 (MP 901.4 TO 902.9)

PHASE 1 - STAGES 1 AND 2 (NB/SB): CROSS-OVER SINGLE LANE OF TRAFFIC. CONSTRUCT INSIDE TRAVEL LANES OF THE NORTHBOUND & SOUTHBOUND MAINLINE.

PHASE 2 / STAGES 1 AND 2 (NB/SB): CROSS-OVER SINGLE LANE OF TRAFFIC. CONSTRUCT OUTSIDE TRAVEL & AUXILIARY LANES OF THE NORTHBOUND & SOUTHBOUND MAINLINE

SECTION 3 PHASES 1 AND 2 / STAGES 1 AND 2. (MP 902.9 TO 903.6)

PHASE 1 / STAGES 1 AND 2 (NB/SB): CROSS-OVER SINGLE LANE OF TRAFFIC. CONSTRUCT INSIDE TRAVEL LANES OF THE NORTHBOUND & SOUTHBOUND MAINLINE.

PHASE 2 / STAGES 1 AND 2 (NB/SB): CROSS-OVER SINGLE LANE OF TRAFFIC. CONSTRUCT OUTSIDE TRAVEL & AUXILIARY

SECTION 4 / PHASES 1 AND 2 / STAGES 1 AND 2 (MP 903.6 TO 904.2)

PHASE 1 / STAGES 1 AND 2 (NB/SB): CROSS-OVER SINGLE LANE OF TRAFFIC. CONSTRUCT INSIDE TRAVEL LANES OF THE NORTHBOUND & SOUTHBOUND MAINLINE.

PHASE 2 / STAGES 1 AND 2 (NB/SB): CROSS-OVER SINGLE LANE OF TRAFFIC. CONSTRUCT OUTSIDE TRAVEL & AUXILIARY

SECTION 5: STAGES 1 TO STAGE 4 (VARIOUS LOCATIONS)

STAGE 1A & 1B: (NORTHBOUND/SOUTHBOUND)

SET UP WZTC FOR A LONG-TERM LEFT LANE CLOSURE. COMPLETE ALL CONCRETE PAVEMENT REPAIRS (CPR), FULL DEPTH RECONSTRUCTION INSTALLATION FOR THE INSIDE LEFT TRAVEL LANE.

REMOVE EXISTING MIARDS ON THE OUTSIDE SHOULDER FOR SUBSEQUENT CONSTRUCTION STAGES.

STAGES 2A & 2B: (NORTHBOUND/SOUTHBOUND)

SETUP INTERMEDIATE- TERM WZTC MEASURES AS NECESSARY AND AOBE TO COMPLETE ALL CONCRETE PAVEMENT REPAIRS (CPR), FULL DEPTH RECONSTRUCTION INSTALLATION FOR THE CENTER TRAVEL LANE.

STAGE 3A & 3B: (NORTHBOUND/SOUTHBOUND)

SETUP LONG-TERM WZTC MEASURES AS NECESSARY AND AOBE TO COMPLETE ALL CONCRETE PAVEMENT REPAIRS (CPR), FULL DEPTH RECONSTRUCTION INSTALLATION FOR THE RIGHT LANE AND AUXILIARY LANES. INSTALL PROPOSED GUIDE RAILING AND NEW SHOULDER CURB, COMPLETE ALL DRAINAGE WORK ALONG OUTSIDE SHOULDER AREA.

STAGES 4A & 4B: (NORTHBOUND/SOUTHBOUND)

INSTALL TWO -COURSE OVERLAY ALONG ALL TRAVEL LANES, AUXILIARY LANES AND SHOULDERS. INSTALL MILL AND OVERLAY ON ALL RAMPS NOT COMPLETED IN SECTIONS 1 TO 4. INSTALL ALL PROPOSED PAVEMENT MARKINGS.

SECTION 6: VARIOUS LOCATIONS AND STAGES

COMPLETE BRIDGE STRENGTHENING. INSTALL ANY REMAINING GUIDE RAILING. INSTALL OVERHEAD SIGN STRUCTURES AND PROPOSED SIGNS. INSTALL NEW LIGHT POLES, CONDUIT AND PULL BOXES. REMOVE ALL WZTC APPROACH SIGNS, PVMS SIGNS AND ANY REMAINING MISCELLANEOUS WZTC MATERIALS AND SIGNS.

SECTION 6 WORK WILL BE CARRIED OUT ACROSS MULTIPLE PHASES AND STAGES. WORK INCLUDES:

- IMPROVEMENTS TO BRIDGE STRUCTURES.
- INSTALLATION OF OVERHEAD SIGN STRUCTURES.
- LIGHTING SYSTEM INSTALLATIONS.
- RELOCATION OF THE EXISTING CONCRETE BARRIER OPENING.
- REMOVAL OF THE EXISTING CONCRETE PAVEMENT IN THE FORMER TOLL PLAZA AREA

DESIGNED BY: P THOMPSON
DRAFTED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
QUALITY CONTROL BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

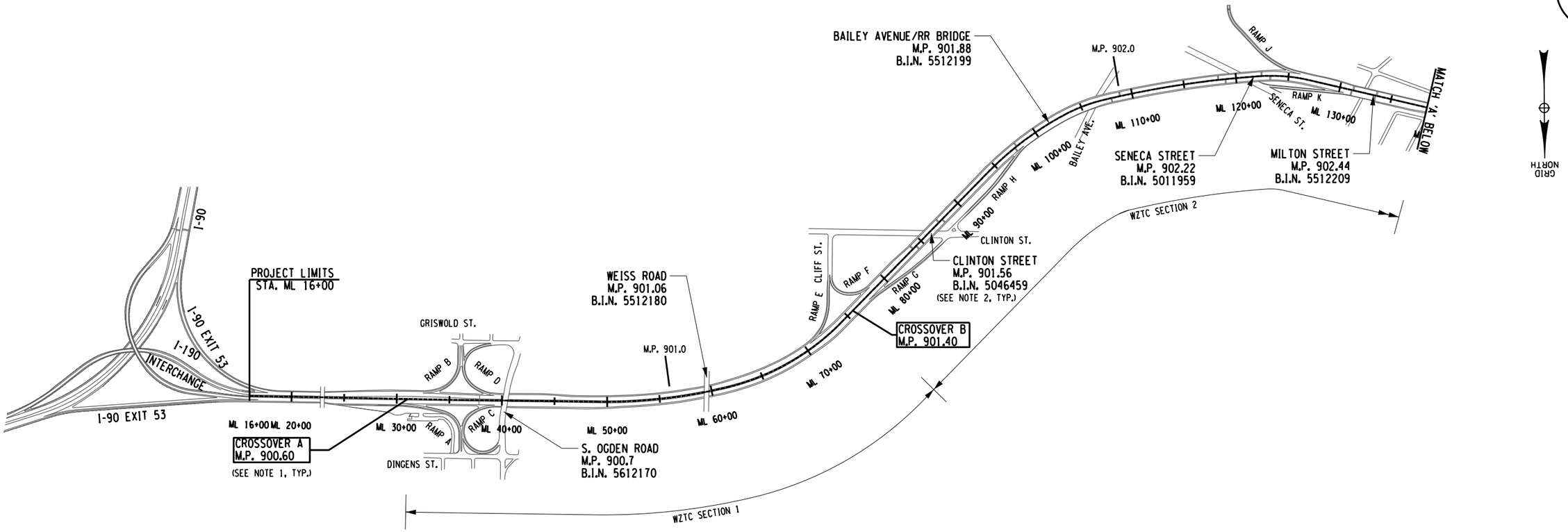
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL NOTES	DRAWING NUMBER: TCN-2



WORK ZONE TRAFFIC CONTROL
KEY PLAN
N.T.S.

NOTES:

1. SECTION 5 / PHASE 1 / STAGES 1 THROUGH 4 TAKE PLACE AT VARIOUS LOCATIONS TO COMPLETE ROADWAY REHABILITATION WORK FOR AREAS WITH IN THE LIMITS OF THE CROSS-OVERS AND OTHER AREAS NOT COMPLETED IN SECTIONS 1 THROUGH 4.
2. SECTION 6 WORK WILL BE COMPLETED DURING MULTIPLE SECTIONS, PHASES AND STAGES. SECTION 6 WORK INCLUDED'S WORK ON THE BRIDGE STRUCTURES, OVERHEAD SIGN STRUCTURES, LIGHTING INSTALLATIONS, RELOCATING THE EXISTING CONCRETE BARRIER OPENING AND REMOVING THE EXISTING CONCRETE PAVEMENT IN THE OLD TOLL PLAZA AREA.

0 500 1000 1500 2000'
SCALE

CHECKED BY:
DRAFTED BY:
DESIGNED BY:
DESIGN SUPERVISOR:

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

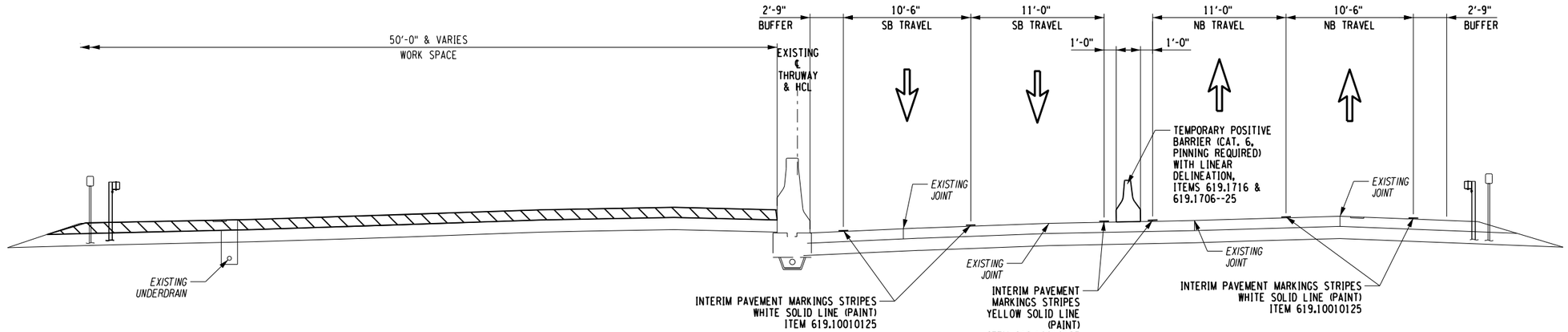
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

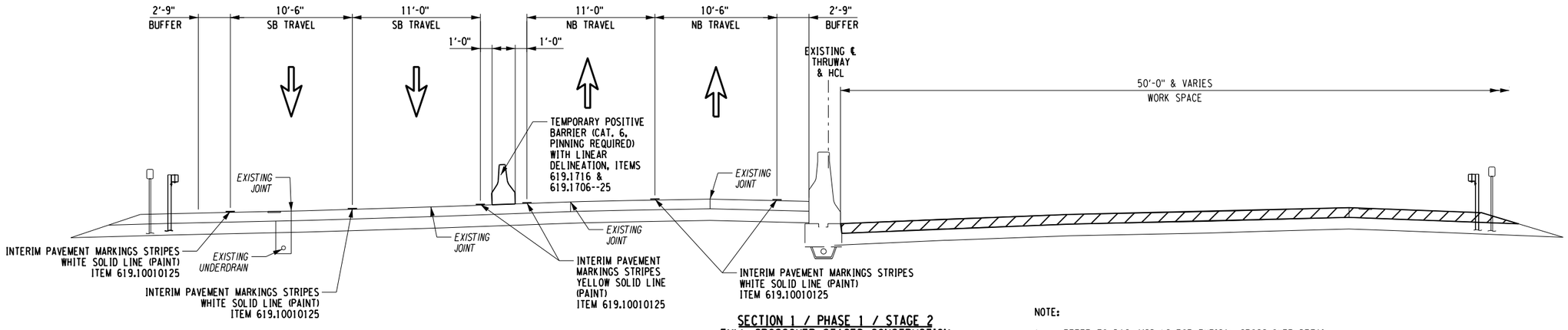
CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONSTRUCTION SEQUENCE GENERAL PLAN
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	GPTCP-1



SECTION 1 / PHASE 1 / STAGE 1
FULL CROSSOVER STAGED CONSTRUCTION
TRAFFIC ON NB SIDE

SECTION 1 - M.P. 900.6 TO M.P. 901.4
LOOKING UPSTATION
N.T.S.



SECTION 1 / PHASE 1 / STAGE 2
FULL CROSSOVER STAGED CONSTRUCTION
TRAFFIC ON SB SIDE

SECTION 1 - M.P. 900.6 TO M.P. 901.4
LOOKING UPSTATION
N.T.S.

NOTE:

1. REFER TO DWG. MSD-16 FOR TYPICAL CROSS-OVER DETAIL.

SUGGESTED RAMP CLOSURE TABLE

	PHASE 1 / STAGE 1				PHASE 1 / STAGE 2			
	SOUTHBOUND		NORTHBOUND		SOUTHBOUND		NORTHBOUND	
	OPEN	CLOSED	OPEN	CLOSED	OPEN	CLOSED	OPEN	CLOSED
S. OGDEN STREET	B	D	A	C	B D	-	A	C
CLINTON STREET	E	F	H	G	E F	-	H	G

0 50 100 FEET
SCALE 1" = 100'

CHECKED BY: Checked By 2
DRAFTED BY: Drafted By
DESIGNED BY: Designed By
DESIGN SUPERVISOR: Design Supervisor
Checked By 1

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

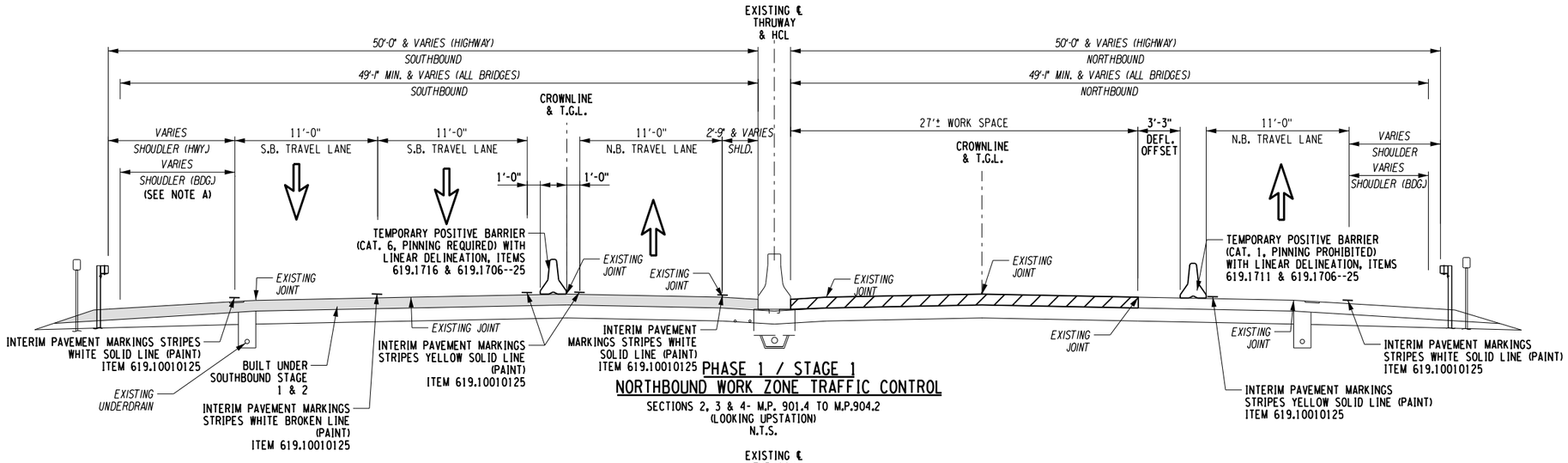
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

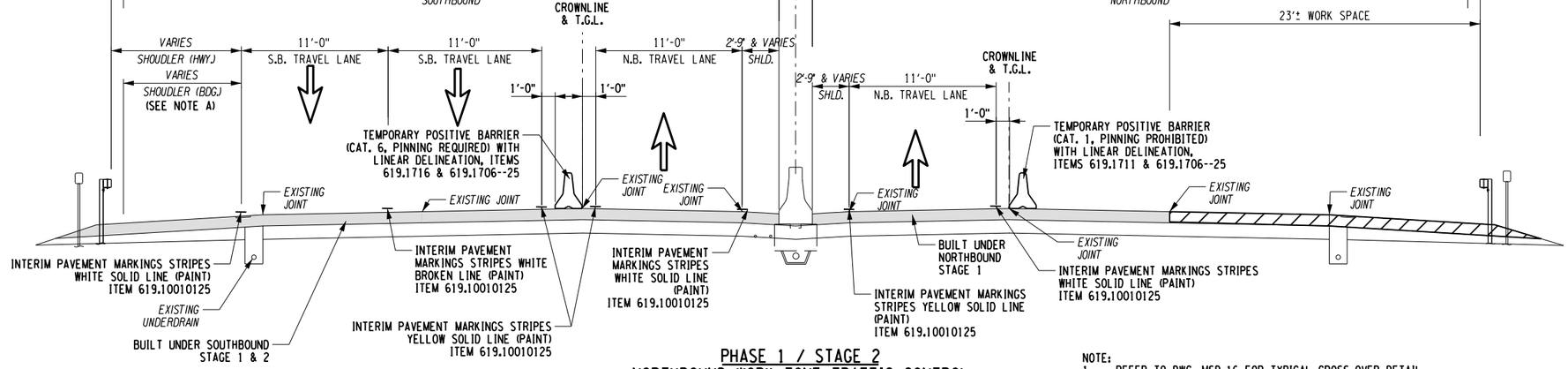
Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SECTIONS 1 STAGING TYPICAL SECTIONS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TSTCP-1



PHASE 1 / STAGE 1
NORTHBOUND WORK ZONE TRAFFIC CONTROL

SECTIONS 2, 3 & 4- M.P. 901.4 TO M.P.904.2
(LOOKING UPSTATION)
N.T.S.



PHASE 1 / STAGE 2
NORTHBOUND WORK ZONE TRAFFIC CONTROL

SECTIONS 2, 3 & 4- M.P. 901.4 TO M.P.904.2
(LOOKING UPSTATION)
N.T.S.

NOTE:
1. REFER TO DWG. MSD-16 FOR TYPICAL CROSS-OVER DETAIL.

SUGGESTED NORTHBOUND RAMP CLOSURE TABLE

	PHASE 1 / STAGE 1				PHASE 1 / STAGE 2			
	SOUTHBOUND		NORTHBOUND		SOUTHBOUND		NORTHBOUND	
	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE
	SECTION 2							
CLINTON STREET	E F	-	H G	-	E	F	H G	-
SENECA STREET	J	-	K	-	-	J	K	-
	SECTION 3							
SMITH STREET	-	M L	N O	-	-	M L	N O	-
	SECTION 4							
HAMBURG STREET	-	-	P Q	-	-	-	P Q	-
LOUISIANA STREET	R	S	-	-	-	R S	-	-

0 50 100 FEET
SCALE 1" = 100'

CHECKED BY: Checked By 2
DRAFTED BY: Drafted By
DESIGNED BY: Designed By
DESIGN SUPERVISOR: Design Supervisor
CHECKED BY: Checked By 1

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

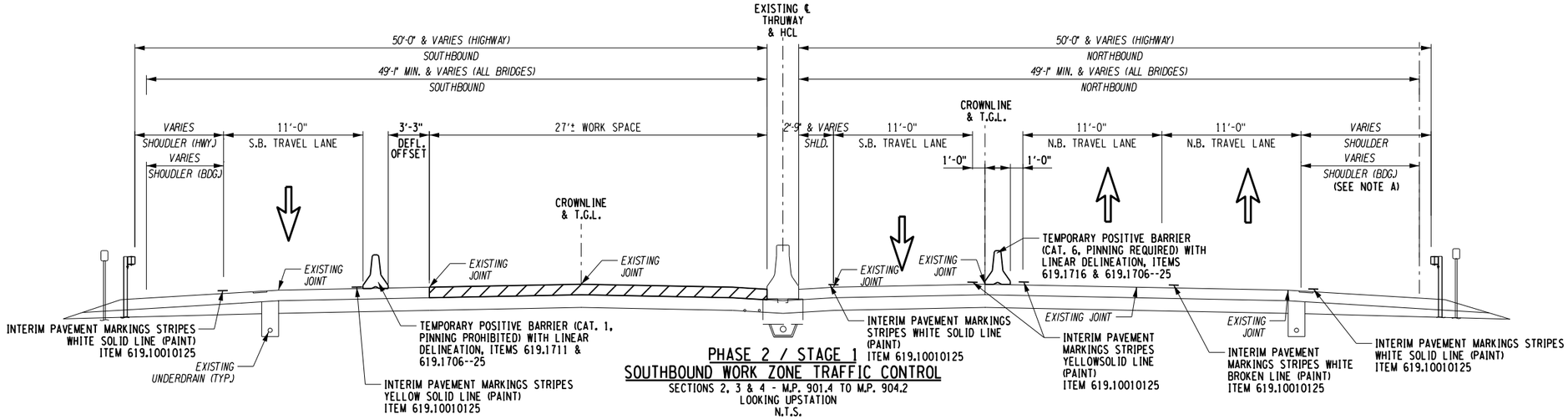
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

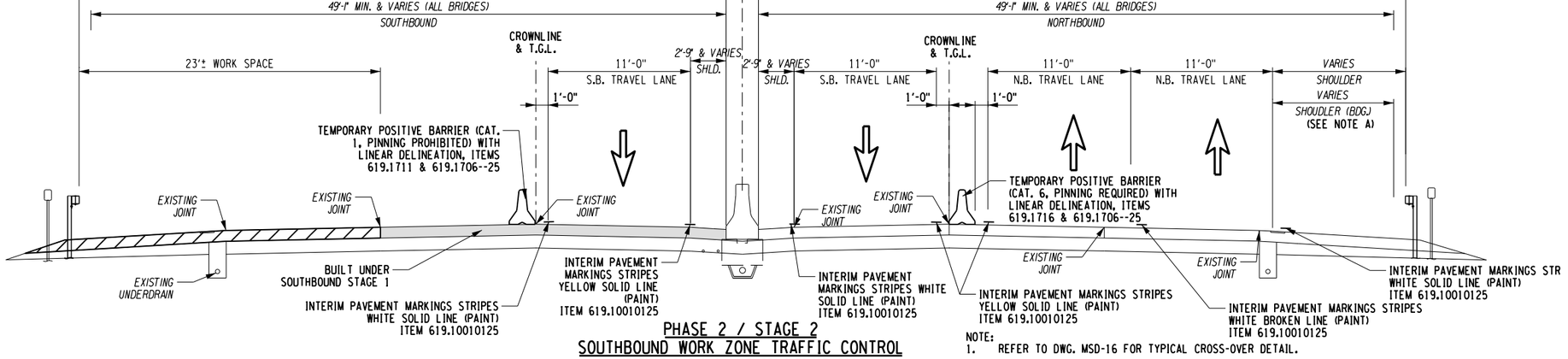
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobinns.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SECTIONS 2 THRU 4 NB STAGING TYPICAL SECTIONS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TSTCP-2



PHASE 2 / STAGE 1
SOUTHBOUND WORK ZONE TRAFFIC CONTROL
SECTIONS 2, 3 & 4 - M.P. 901.4 TO M.P. 904.2
LOOKING UPSTATION
N.T.S.



PHASE 2 / STAGE 2
SOUTHBOUND WORK ZONE TRAFFIC CONTROL
SECTIONS 2, 3 & 4 - M.P. 901.4 TO M.P. 904.2
LOOKING UPSTATION
N.T.S.

NOTE:
1. REFER TO DWG. MSD-16 FOR TYPICAL CROSS-OVER DETAIL.

SUGGESTED SOUTHBOUND RAMP CLOSURE TABLE

	PHASE 2 / STAGE 1				PHASE 2 / STAGE 2			
	SOUTHBOUND		NORTHBOUND		SOUTHBOUND		NORTHBOUND	
	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE
	SECTION 2							
CLINTON STREET	E F	-	G	H	E F	-	G H	-
SENECA STREET	J	-	-	K	J	-	-	K
	SECTION 3							
SMITH STREET	M L	-	-	N O	M L	-	-	N O
	SECTION 4							
HAMBURG STREET	-	-	P Q	-	-	-	P	Q
LOUISIANA STREET	R S	-	-	-	R S	-	-	-

0 50 100 FEET
SCALE 1" = 100'

DESIGN SUPERVISOR: Design Supervisor
DESIGNED BY: Designed By
DRAFTED BY: Drafted By
CHECKED BY: Checked By 1
CHECKED BY: Checked By 2

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMAN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

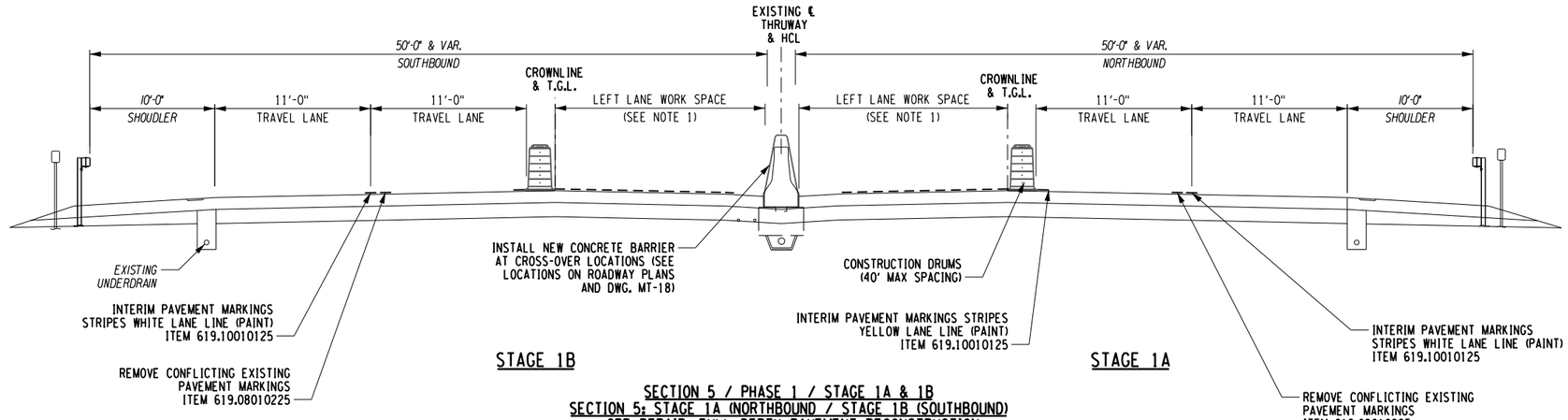
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

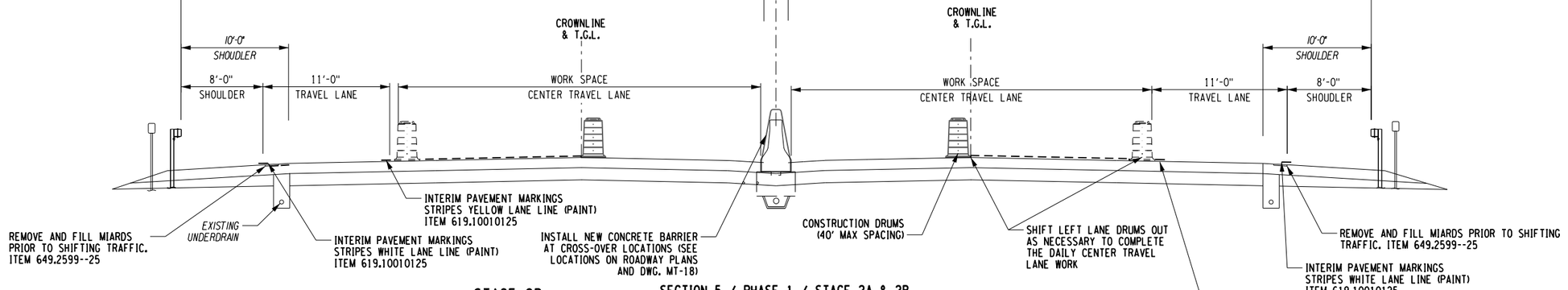
Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SECTIONS 2 THRU 4 SB STAGING TYPICAL SECTIONS	DRAWING NUMBER: TSTCP-3



SECTION 5 / PHASE 1 / STAGE 1A & 1B
SECTION 5: STAGE 1A (NORTHBOUND / STAGE 1B (SOUTHBOUND)
CPR REPAIR, FULL DEPTH PAVEMENT RECONSTRUCTION
TYPICAL WZTC SECTION I-190 MAINLINE
LONG-TERM LEFT LANE CLOSURE

M.P. 901.3 TO M.P. 901.5
M.P. 902.7 TO M.P. 902.9
M.P. 903.5 TO M.P. 903.8
M.P. 904.1 TO M.P. 904.3
N.T.S.



SECTION 5 / PHASE 1 / STAGE 2A & 2B
SECTION 5: STAGE 2A NORTHBOUND / STAGE 2B SOUTHBOUND
CPR REPAIR, FULL DEPTH RECONSTRUCTION
TYPICAL WZTC SECTION I-190 MAINLINE
SHORT-TERM CENTERLINE CLOSURE

M.P. 901.3 TO M.P. 901.5
M.P. 902.7 TO M.P. 902.9
M.P. 903.5 TO M.P. 903.8
M.P. 904.1 TO M.P. 904.3
N.T.S.

NOTES:

1. THE LONG-TERM LEFT LANE CLOSURE SHALL BE IN PLACE UNTIL THE COMPLETION OF STAGES 5A AND 5B OR AOBE UNLESS OTHERWISE APPROVED BY THE ENGINEER. WORK AREAS ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP OR CO-EXIST.
2. CENTER LANE WORK AND WZTC CLOSURE SHALL BE INTERMEDIATE-TERM ONLY, AND MUST BE CONDUCTED IN ACCORDANCE WITH THE " LANE CLOSURE CHARTS" ON NYSTA STANDARD SHEETS TA 619-35 AND TA 619-36 AND RE-OPENED AT THE CONCLUSION OF THE WORKING SHIFT.
3. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF SECTION 619-3.02K. ALL EQUIPMENT AND MATERIALS SHALL BE MOVED AT LEAST 30' FROM THE TRAVELED WAY AT THE END OF EACH WORK SHIFT. (UNLESS PROTECTED BY POSITIVE BARRIER).

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: P THOMPSON
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

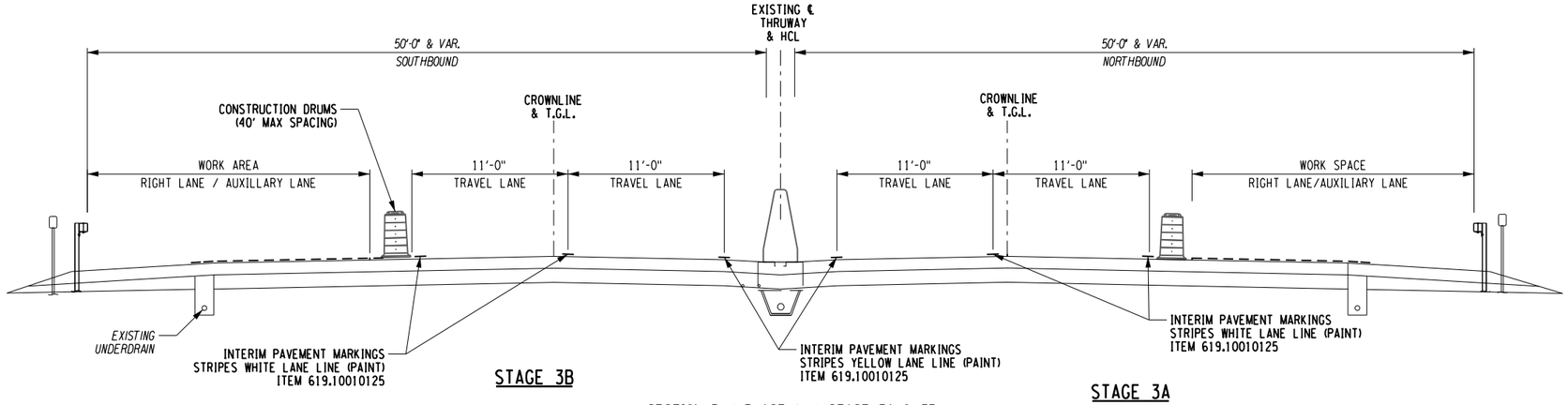
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

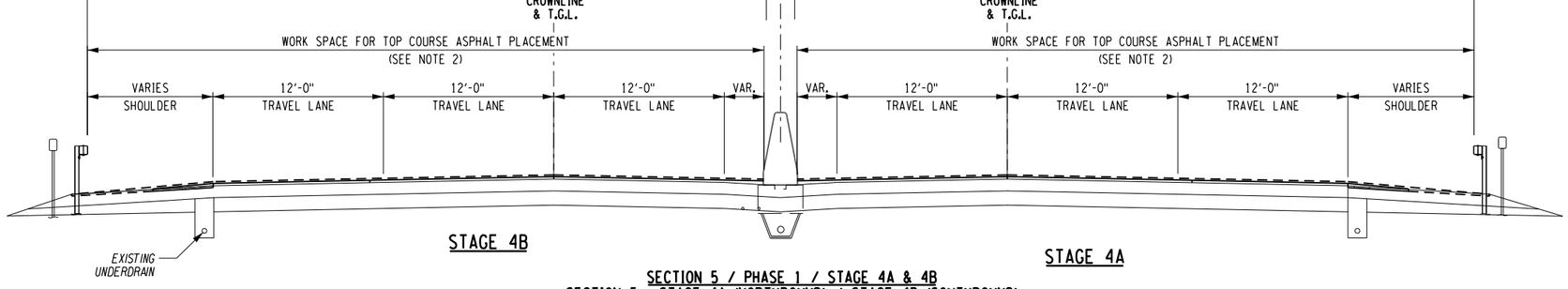
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SECTION 5 TYPICAL SECTIONS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TSTCP-4



SECTION 5 / PHASE 1 / STAGE 3A & 3B
SECTION 5: STAGE 3A NORTHBOUND / STAGE 3B SOUTHBOUND
CPR REPAIR, FULL DEPTH RECONSTRUCTION,
TYPICAL WZTC SECTION I-190 MAINLINE
INTERMEDIATE-TERM RIGHT LANE/AUXILLARY LANE CLOSURE

M.P. 901.3 TO M.P. 901.5
M.P. 902.7 TO M.P. 902.9
M.P. 903.5 TO M.P. 903.8
M.P. 904.1 TO M.P. 904.3
N.T.S.



SECTION 5 / PHASE 1 / STAGE 4A & 4B
SECTION 5: STAGE 4A (NORTHBOUND) / STAGE 4B (SOUTHBOUND)
3 1/2" ASPHALT OVERLAY
TYPICAL WZTC SECTION I-190 MAINLINE
SHORT TERM WZTC FOR ALL LANES CLOSURES

M.P. 901.3 TO M.P. 901.5
M.P. 902.7 TO M.P. 902.9
M.P. 903.5 TO M.P. 903.8
M.P. 904.1 TO M.P. 904.3
N.T.S.

NOTES:

1. THE LONG TERM RIGHT LANE CLOSURE SHALL BE IN PLACE UNTIL THE COMPLETION OF STAGES 3A & 3B OR AOBE UNLESS OTHERWISE APPROVED BY THE ENGINEER. WORK AREAS ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP OR CO-EXIST.

2. STAGES 4A & 4B ASPHALT PAVEMENT SHALL BE PLACED USING SHORT-TERM LANE CLOSURES IN ACCORDANCE WITH THE "LANE CLOSURE CHARTS" ON NYSTA STANDARD SHEETS TA 619-37. ONE LANE OF TRAFFIC MUST BE OPENED AT ALL TIMES, THE CONTRACTOR MUST PLACE ONE COURSE OF THE OVERLAY ACROSS ALL LANES FOR THE ENTIRE LENGTH OF ASPHALT PLACED IN ONE WORKING DAY.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: P THOMPSON
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

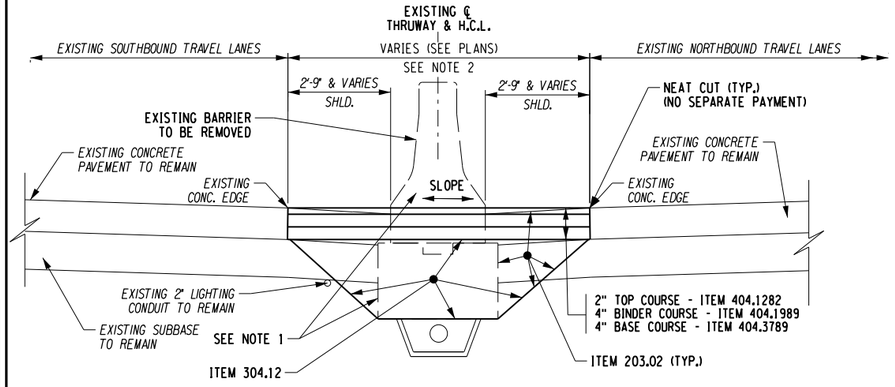
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SECTION 5 TYPICAL SECTIONS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TSTCP-5



NOTES - CROSS-OVER DETAIL:

1. CONTRACTOR SHALL CAREFULLY REMOVE / BREAK-UP EXISTING CONCRETE MEDIAN BARRIER AND FOOTER TO RETAIN A SOUND PORTION OF EXISTING LIGHTING CONDUIT. PRIOR TO REMOVAL, CONTRACTOR SHALL REMOVE EXISTING WIRING TO THE NEAREST LIGHT POLES OR PULL BOX OUTSIDE THE LIMITS OF MEDIAN BARRIER REMOVED FOR CROSS-OVER. PAYMENT FOR WIRE REMOVAL INCLUDED IN LIGHTING SECTION OF PLANS.

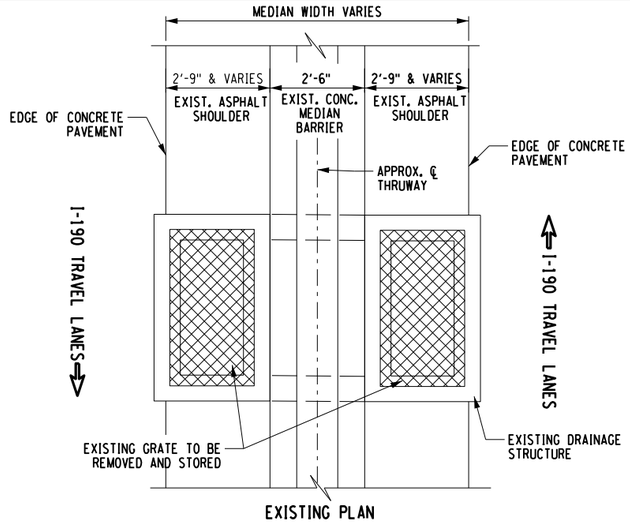
   EXISTING SECTIONS OF CONCRETE MEDIAN BARRIER WITH PREVIOUSLY REMOVED LIGHT POLE ANCHORAGES WILL HAVE FOOTINGS AS PART OF THE MEDIAN BARRIER SUPPORT SYSTEM. CONTRACTOR SHALL REMOVE THE FOOTING AND BARRIER WHEN CONSTRUCTING CROSS-OVER. EXISTING FOOTINGS THAT ARE REMOVED, VOID SHALL BE FILLED WITH ITEM 304.12 - SUBBASE (THICKNESS VARIES).

   THE COST TO REMOVE EXISTING CONCRETE MEDIAN BARRIER, FOOTING AND EXCAVATION EXISTING PAVEMENT MATERIALS SHALL BE PAID UNDER ITEMS 606.75 & 203.02, UNLESS OTHERWISE NOTED.

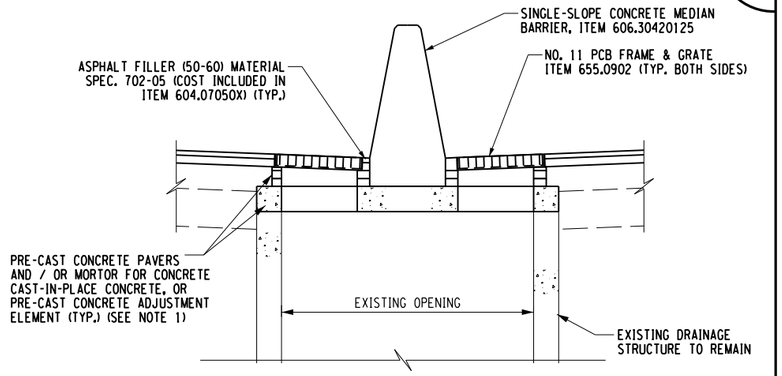
2. CONSTRUCT CROSS-OVER PAVEMENT IN MEDIAN BETWEEN EXISTING CONCRETE PAVEMENT. MAXIMUM VERTICAL DIFFERENTIAL FOR CROSS-OVER, BETWEEN INSIDE EDGE OF NB AND SB CONCRETE PAVEMENTS IS 7¾" WITH AN APPROXIMATE MAXIMUM CROSS-SLOPE OF 2.5%, BASED ON WIDTH OF MEDIAN.

TYPICAL STAGED CROSS-OVER DETAIL SECTIONS 1 THRU 4

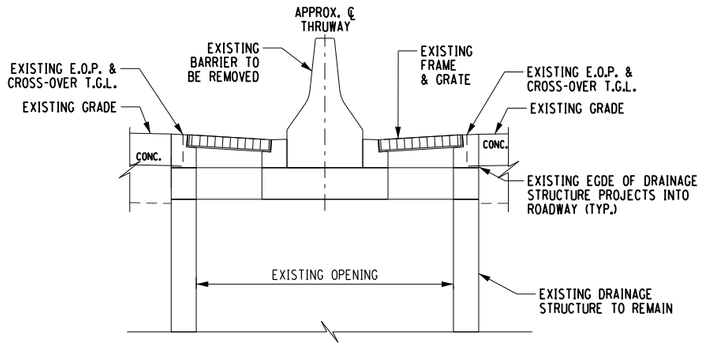
N.T.S.



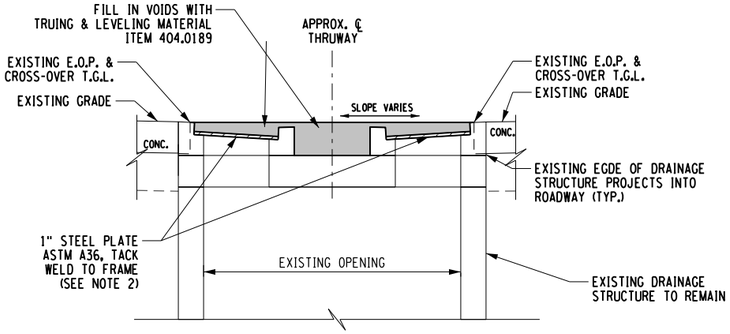
EXISTING PLAN



TYPICAL FRAME & GRATE RESTORATION DETAIL
FOR TEMPORARHY ALTERATIONS



EXISTING ELEVATION



PROPOSED ELEVATION

NOTES - TEMPORARY DRAINAGE ALTERATIONS ;

1. WORK TO RESET AND ADJUST FRAME AND GRATES FOR THE TEMPORARY ALTERATIONS OF THE DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 604.070501. NEW FRAME AND GRATE SHALL BE PAID FOR UNDER THE PRICE BID FOR ITEM 655.0902. REFER TO DWG. MD-5 FOR ADDITIONAL ALTERATION DETAILS AND DWGS. WZMST-1 AND MT-15 FOR LOCATIONS OF TEMPORARY DRAINAGE STRUCTURE ALTERATIONS AND INSTALLATION OF NEW FRAME AND GRATES.

2. COST TO REMOVE THE EXISTING FRAME AND GRATES, FURNISH AND INSTALL STEEL PLATES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.

3. REFER TO CROSS-OVER DETAIL ON THIS DRAWING FOR ADDITIONAL CROSS-OVER DETAILS AND PAY ITEMS.

TEMPORARY ALTERATION OF DRAINAGE STRUCTURES FOR CROSSOVERS

NTS

NOTES:

1. FOR TEMPORARY ALTERATIONS OF DRAINAGE STRUCTURE LOCATIONS, REFER TO DWGS. WZMST-1 AND MT-15.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMAN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TEMPORARY ALTERATIONS OF DRAINAGE STRUCTURES AT CROSSOVERS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WZMSD-1

TEMPORARY ALTERATIONS OF DRAINAGE STRUCTURE TABLE

WZTC STAGE	TEMPORARY STR. NO. (DS)	STATION TO STATION		DESCRIPTION OF WORK
SECTION 1 PHASE 1 STAGE 1	TMP 7-1	ML 30+53	11.4' RT	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 2-2) ON DWG. MT-5, FOR ADDITIONAL WORK.
	TMP 7-2	ML 36+42	1.7' RT	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 3-1 & DS 3-2) ON DWG. MT-5, FOR ADDITIONAL WORK.
	TMP 7-3	ML 40+48	7.4' RT	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 5-8) ON DWG. MT-5, FOR ADDITIONAL WORK.
	TMP 10-1	ML 73+48	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 9-11 & DS 9-12) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 10-2	ML 75+89	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-1 & DS 10-2) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 10-3	ML 78+51	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-5 & DS 10-6) ON DWG. MT-7, FOR ADDITIONAL WORK.
SECTION 1 PHASE 1 STAGE 2	TMP 18-1	ML 30+53	11.4' RT	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 2-2) ON DWG. MT-5, FOR ADDITIONAL WORK.
	TMP 18-2	ML 36+41	1.7' RT	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 3-1 & DS 3-2) ON DWG. MT-5, FOR ADDITIONAL WORK.
	TMP 21-1	ML 73+48	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 9-11 & DS 9-12) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 21-2	ML 75+89	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-1 & DS 10-2) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 21-3	ML 78+51	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-5 & DS 10-6) ON DWG. MT-7, FOR ADDITIONAL WORK.
SECTION 2 PHASE 1 STAGE 1	TMP 25-1	ML 75+88	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-1 & DS 10-2) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 30-1	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-9 & DS 20-10) ON DWG. MT-10, FOR ADDITIONAL WORK.
SECTION 2 PHASE 1 STAGE 2	TMP 35-1	ML 75+88	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-1 & DS 10-2) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP40-1	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-9 & DS 20-10) ON DWG. MT-10, FOR ADDITIONAL WORK.
SECTION 2 PHASE 2 STAGE 1	TMP 45-1	ML 73+48	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 9-11 & DS 9-12) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 45-2	ML 75+89	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-1 & DS 10-2) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 50-1	ML 147+91	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-3 & DS 20-4) ON DWG. MT-9, FOR ADDITIONAL WORK.
	TMP 50-2	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-9 & DS 20-10) ON DWG. MT-10, FOR ADDITIONAL WORK.
SECTION 2 PHASE 2 STAGE 2	TMP 52-1	ML 75+88	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 10-1 & DS 10-2) ON DWG. MT-7, FOR ADDITIONAL WORK.
	TMP 57-1	ML 147+91	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-3 & DS 20-4) ON DWG. MT-9, FOR ADDITIONAL WORK.
	TMP 57-2	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-9 & DS 20-10) ON DWG. MT-10, FOR ADDITIONAL WORK.
SECTION 3 PHASE 1 STAGE 1	TMP 60-1	ML 147+90	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-3 & DS 20-4) ON DWG. MT-9, FOR ADDITIONAL WORK.
	TMP 60-2	ML 151+04	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-3 & DS 20-4) ON DWG. MT-9, FOR ADDITIONAL WORK.
	TMP 62-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 63-1	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.

TEMPORARY ALTERATIONS OF DRAINAGE STRUCTURE TABLE

WZTC STAGE	TEMPORARY STR. NO. (DS)	STATION TO STATION		DESCRIPTION OF WORK
SECTION 3 PHASE 1 STAGE 2	TMP 65-1	ML 147+91	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-3 & DS 20-4) ON DWG. MT-9, FOR ADDITIONAL WORK.
	TMP 65-2	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-3 & DS 20-4) ON DWG. MT-9, FOR ADDITIONAL WORK.
	TMP 67-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 68-1	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
SECTION 3 PHASE 2 STAGE 1	TMP 71-1	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-9 & DS 20-10) ON DWG. MT-10, FOR ADDITIONAL WORK.
	TMP 74-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 74-2	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
SECTION 3 PHASE2 STAGE 2	TMP 77-1	ML 151+05	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 20-9 & DS 20-10) ON DWG. MT-10, FOR ADDITIONAL WORK.
	TMP 80-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 80-2	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
SECTION 4 PHASE 1 STAGE 1	TMP 83-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 83-2	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 85-1	ML 224+11	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 32-9) ON DWG. MT-14, FOR ADDITIONAL WORK.
SECTION 4 PHASE 1 STAGE 2	TMP 93-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 93-2	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 95-1	ML 224+11	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 32-9) ON DWG. MT-14, FOR ADDITIONAL WORK.
SECTION 4 PHASE 2 STAGE 1	TMP 103-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 103-2	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 105-1	ML 224+11	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 32-9) ON DWG. MT-14, FOR ADDITIONAL WORK.
SECTION 4 PHASE 2 STAGE 2	TMP 112-1	ML 190+12	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-2 & DS 27-3) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 112-2	ML 193+62	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 27-5 & DS 27-7) ON DWG. MT-12, FOR ADDITIONAL WORK.
	TMP 114-1	ML 224+11	0'	TEMPORARILY ALTER EXISTING STRUCTURE; REFER TO (DS 32-9) ON DWG. MT-14, FOR ADDITIONAL WORK.

NOTES:

1. FOR TEMPORARY ALTERATION OF DRAINAGE STRUCTURE DETAILS, REFER TO DWG. WZMSD-1.

0 50 100 FEET
SCALE 1" = 100'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED 092577 PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

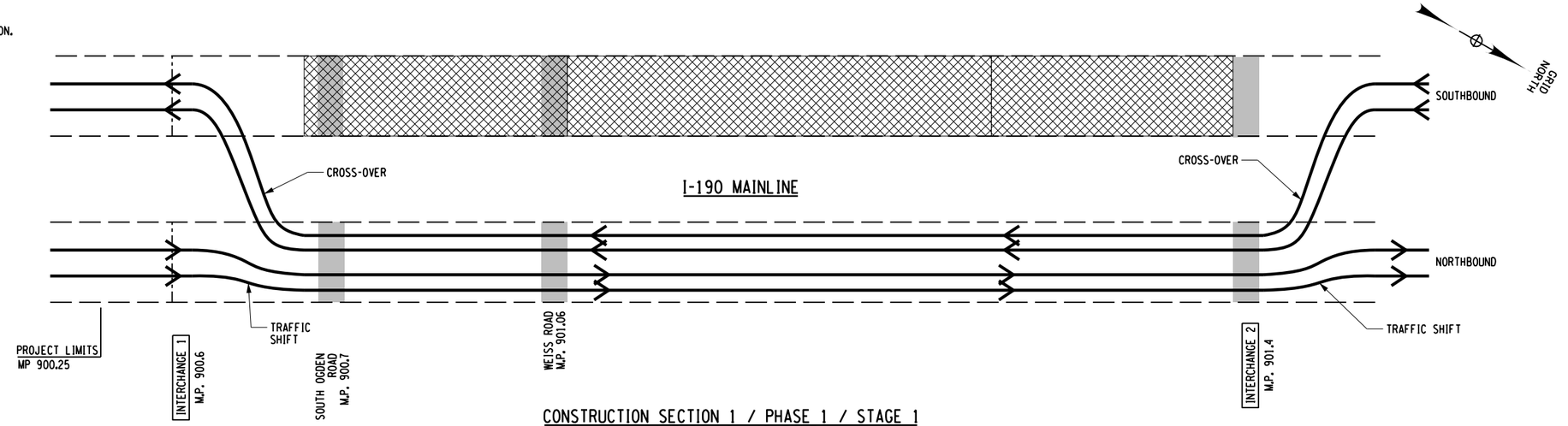
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TEMPORARY ALTERATIONS OF DRAINAGE STRUCTURE TABLES AT CROSSOVERS	DRAWING NUMBER: WZMST-1

SECTION 1 / PHASE 1 / STAGE 1 SOUTHBOUND

- SECTION-1 / STAGE 1 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 900.6 TO M.P. 901.4.
- CONSTRUCT CROSS-OVERS FOR SECTION 1 / PHASE 1 / STAGE 1 CONSTRUCTION. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT SB TRAFFIC TO THE NB SIDE OF THE I-190 MAINLINE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 900.6 TO 901.4.
- REMOVE WZTC SETUP FOR SECTION 1 / PHASE 1 / STAGE 1. INSTALL WZTC FOR SECTION 1 / PHASE 1 / STAGE 2.

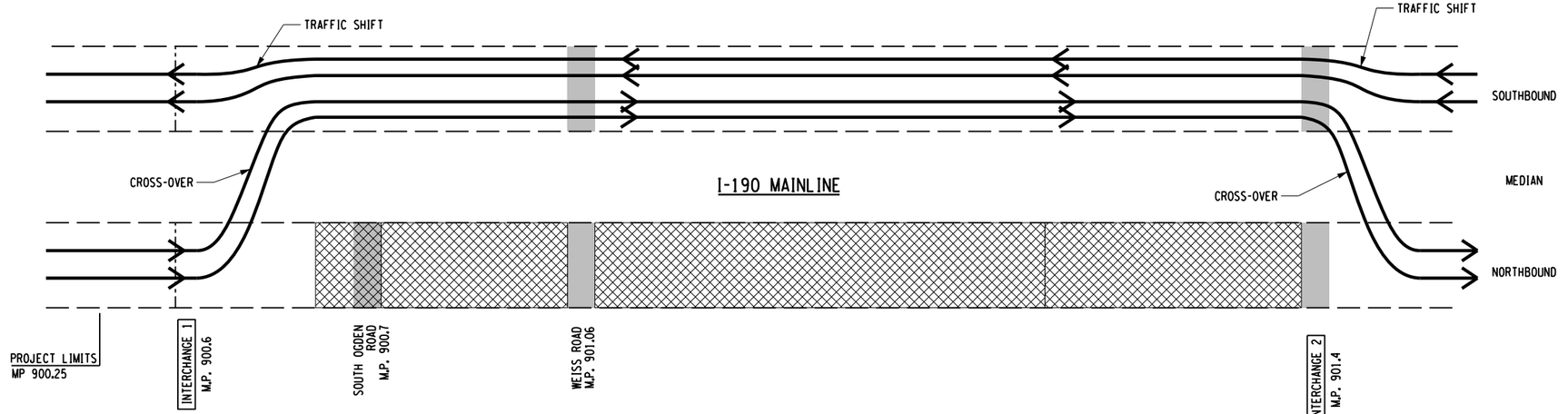


CONSTRUCTION SECTION 1 / PHASE 1 / STAGE 1
(SOUTHBOUND WORKZONE)
FROM M.P. 900.6 TO M.P. 901.4

N.T.S.

SECTION 1 / PHASE 1 / STAGE 2 SOUTHBOUND

- SECTION-1 / STAGE 2 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 900.6 TO M.P. 901.4.
- CONSTRUCT CROSS-OVERS FOR SECTION-1 / STAGE-2 NB CONSTRUCTION.
- REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT NB TRAFFIC ON TO THE SB SIDE OF THE I-190 MAINLINE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 900.6 TO 901.4.
- REMOVE WZTC SETUP FOR SECTION 1 / PHASE 1 / STAGE 2. INSTALL WZTC FOR SECTION 2 / PHASE 1 / STAGE 1 CONSTRUCTION.



CONSTRUCTION SECTION 1 / PHASE 1 / STAGE 2
(NORTHBOUND WORKZONE)
FROM M.P. 900.6 TO M.P. 901.4

N.T.S.

LEGEND

- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY:
DRAFTED BY:
DESIGNED BY: J. KLEINMANN
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

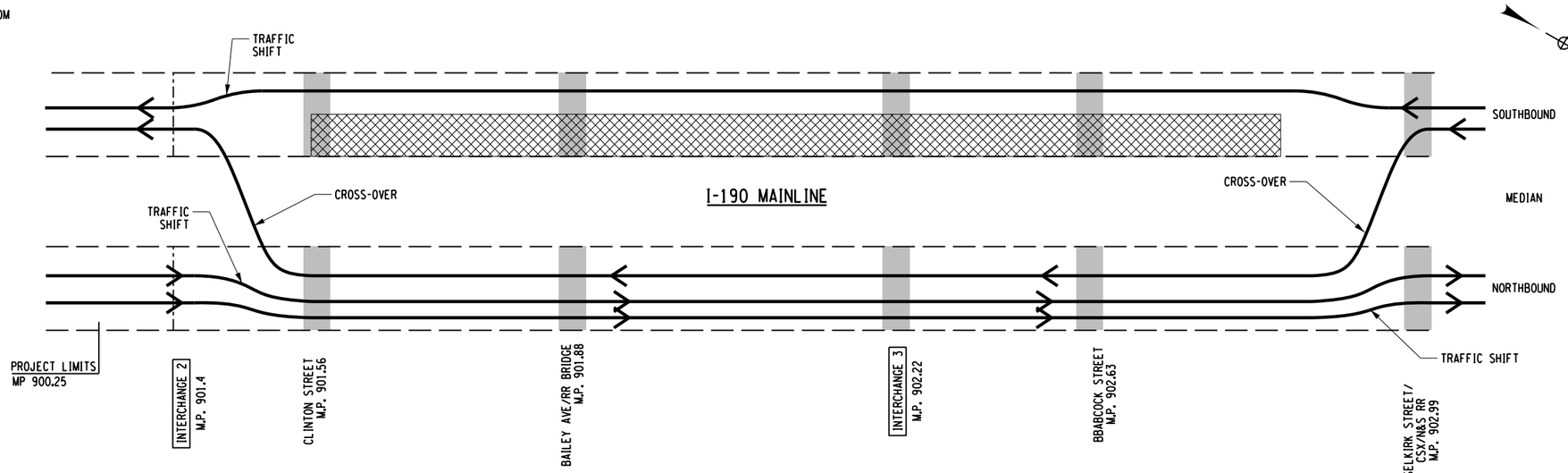
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
50 Main Plaza, Suite 360
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING SECTION 1 / STAGE 1 & STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-1

SECTION 2 / PHASE 1 / STAGE 1 SOUTHBOUND

- SECTION-2 / STAGE 1 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 901.4 TO M.P. 902.9.
- CONSTRUCT CROSS-OVERS FOR SECTION 2 / PHASE 1 / STAGE 1 CONSTRUCTION. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 TRAVEL INSIDE LANE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE INSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P.901.4 TO 902.9.
- REMOVE WZTC SETUP FOR SECTION 2 / PHASE 1 / STAGE 1. INSTALL WZTC FOR SECTION 2 / PHASE 1 / STAGE 2.

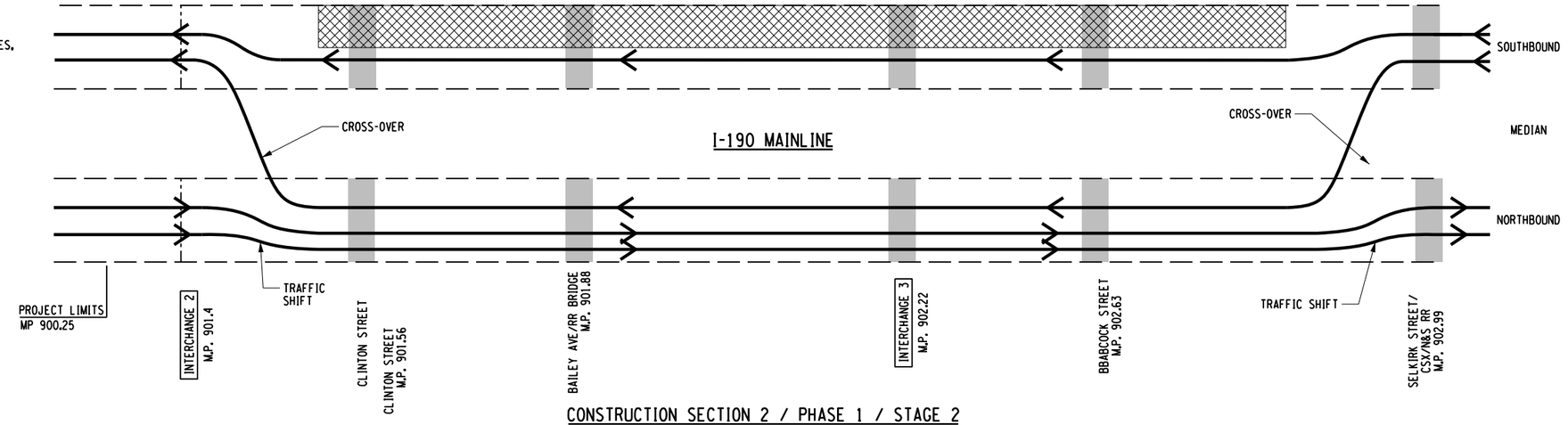


CONSTRUCTION SECTION 2 / PHASE 1 / STAGE 1
(SOUTHBOUND WORKZONE)
FROM M.P. 901.4 TO M.P. 902.9

N.T.S.

SECTION 2 / PHASE 1 / STAGE 2 SOUTHBOUND

- SECTION-2 / STAGE 2 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 901.4 TO M.P. 902.9.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 INSIDE TRAVEL LANE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE OUTSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 901.4 TO 902.9.
- REMOVE WZTC SETUP FOR SECTION 2 / PHASE 1 / STAGE 2. INSTALL WZTC FOR SECTION 2 / PHASE 2 / STAGE 1 CONSTRUCTION.



CONSTRUCTION SECTION 2 / PHASE 1 / STAGE 2
(SOUTHBOUND WORKZONE)
FROM M.P. 901.4 TO M.P. 902.9

N.T.S.

LEGEND
- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

DESIGNED BY:
CHECKED BY: J. KLEINMANN
DRAFTED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

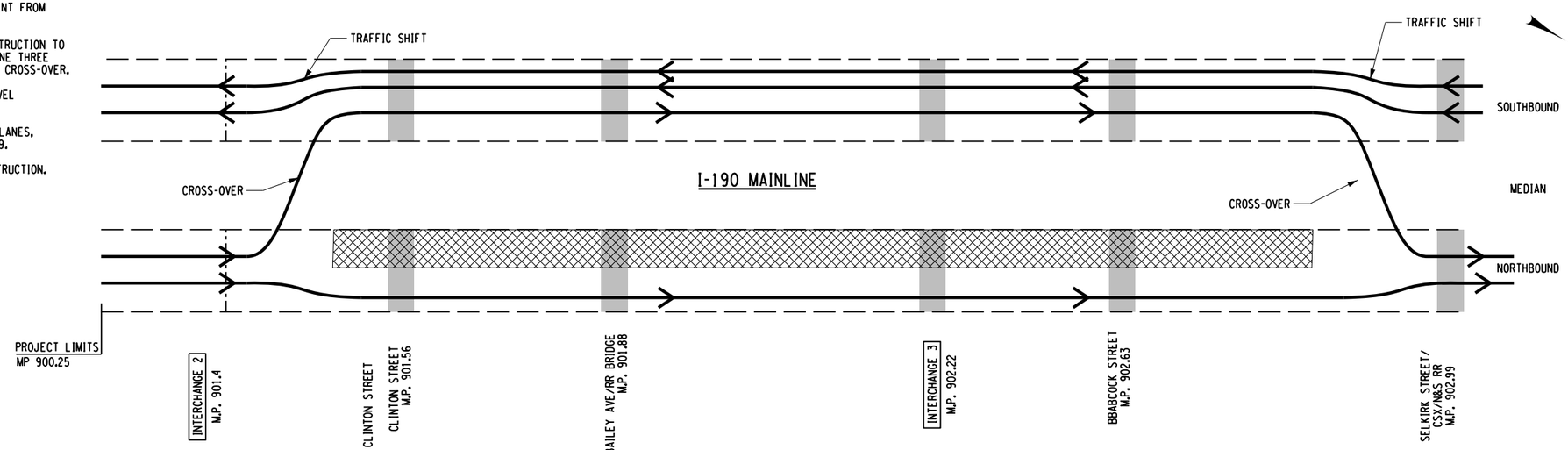
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING SECT.- 2/ STAGE-1 & STAGE-2 (SB)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-2

SECTION 2 / PHASE 2 / STAGE 1 NORTHBOUND

- SECTION-2 / STAGE 1 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 901.4 TO M.P. 902.9.
- MODIFY CROSS-OVERS FOR SECTION 2 / PHASE 2 / STAGE 1 CONSTRUCTION TO SHIFT NB TRAFFIC ON TO THE SB LANES. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT THE I-190 NB INSIDE TRAVEL LANE TO THE SB I-190 TRAVEL INSIDE LANE.
- COMPLETE ALL WORK FOR THE NB I-190 MAINLINE INSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 901.4 TO 902.9.
- REMOVE WZTC SETUP FOR SECTION 2 / PHASE 2 / STAGE 1 CONSTRUCTION. INSTALL WZTC FOR SECTION 2 / PHASE 2 / STAGE 2.

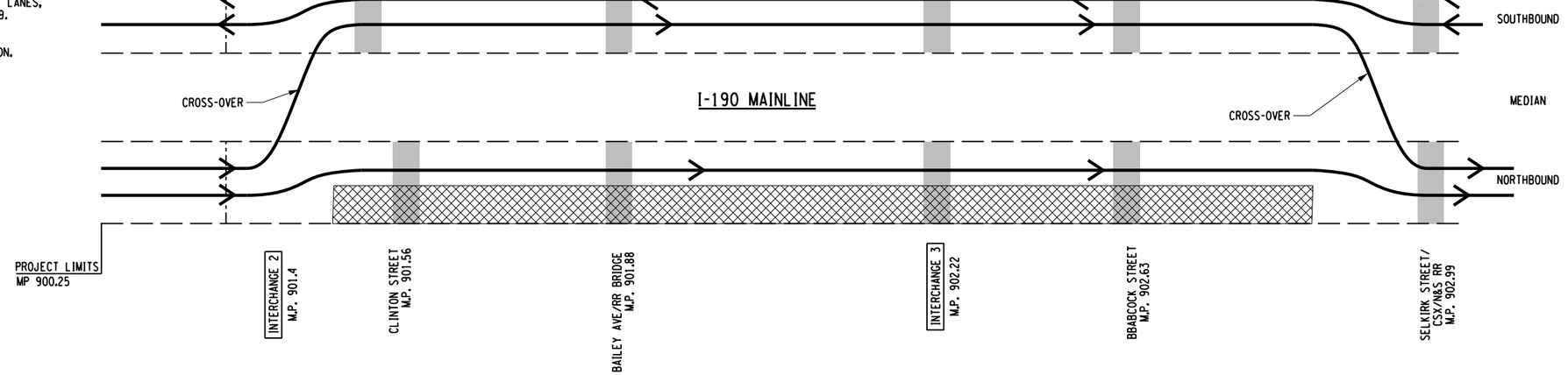


CONSTRUCTION SECTION 2 / PHASE 2 / STAGE 1
(NORTHBOUND WORKZONE)
FROM M.P. 901.4 TO M.P. 902.9

N.T.S.

SECTION 2 / PHASE 2 / STAGE 2 NORTHBOUND

- SECTION-2 / STAGE 2 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 901.4 TO M.P. 902.9.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 INSIDE TRAVEL LANE.
- COMPLETE ALL WORK FOR THE NB I-190 MAINLINE OUTSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 901.4 TO 902.9.
- REMOVE WZTC SETUP FOR SECTION 2 / PHASE 2 / STAGE 2. INSTALL WZTC FOR SECTION 3 / PHASE 1 / STAGE 1 CONSTRUCTION.



CONSTRUCTION SECTION 2 / PHASE 2 / STAGE 2
(NORTHBOUND WORKZONE)
FROM M.P. 901.4 TO M.P. 902.9

N.T.S.

LEGEND
- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

DESIGNED BY:
CHECKED BY: J. KLEINMANN
DRAFTED BY:
CHECKED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

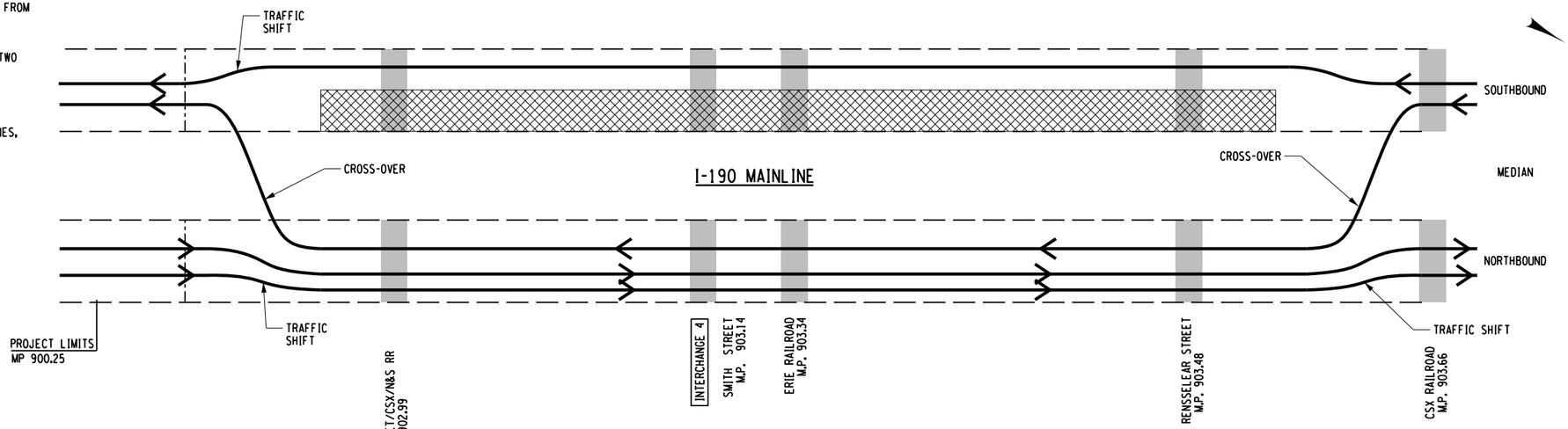
Drawing Copyright © 2025

CHA
50 Corporate Park Drive
Suite 300, Albany, NY 12203-3722
518.453.4500 • www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING SECT.- 2/ STAGE-1 & STAGE-2 (NB)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-3

SECTION 3 / PHASE 1 / STAGE 1 SOUTHBOUND

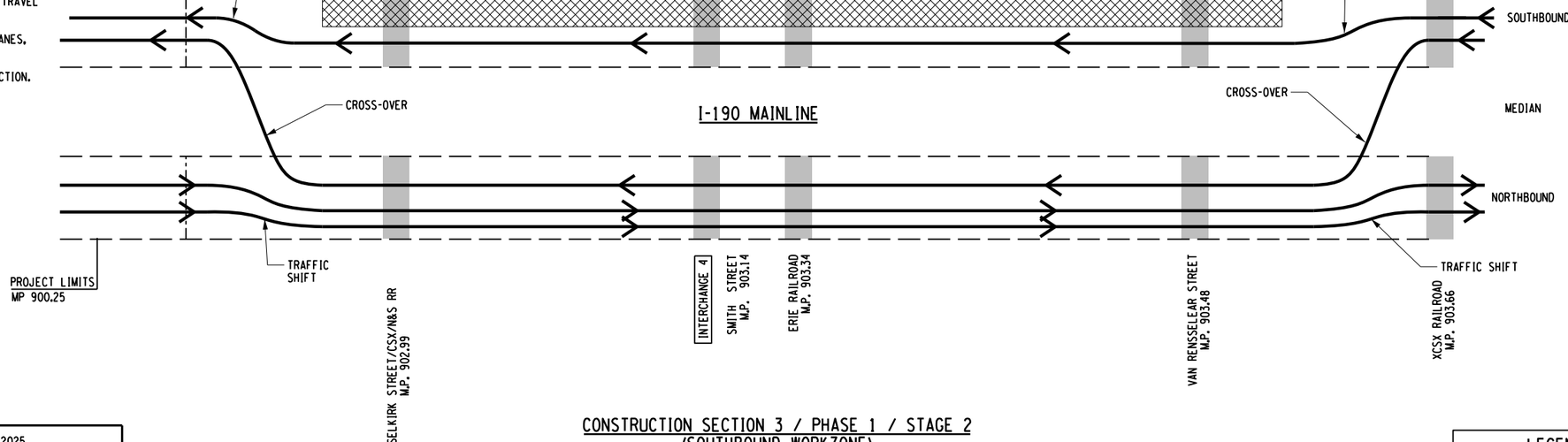
- SECTION-3 / STAGE 1 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 902.9 TO M.P. 903.6.
- CONSTRUCT CROSS-OVERS FOR SECTION 3 / PHASE 1 / STAGE 1 CONSTRUCTION. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 TRAVEL INSIDE LANE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE INSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 902.9 TO 903.6.
- REMOVE WZTC SETUP FOR SECTION 2 / PHASE 1 / STAGE 1, INSTALL WZTC FOR SECTION 3 / PHASE 1 / STAGE 2 CONSTRUCTION.



CONSTRUCTION SECTION 3 / PHASE 1 / STAGE 1
(SOUTHBOUND WORKZONE)
FROM M.P. 902.9 TO M.P. 903.6
N.T.S.

SECTION 3 / PHASE 1 / STAGE 2 SOUTHBOUND

- SECTION-3 / STAGE 2 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 902.9 TO M.P. 903.6.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 INSIDE TRAVEL LANE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE OUTSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 902.9 TO 903.6.
- REMOVE WZTC SETUP FOR SECTION 3 / PHASE 1 / STAGE 2 CONSTRUCTION. INSTALL WZTC FOR SECTION 3 / PHASE 2 / STAGE 1 CONSTRUCTION.



CONSTRUCTION SECTION 3 / PHASE 1 / STAGE 2
(SOUTHBOUND WORKZONE)
FROM M.P. 902.9 TO M.P. 903.6
N.T.S.

LEGEND
- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY:
DRAFTED BY:
DESIGNED BY: J. KLEINMANN
CHECKED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED 092577 PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

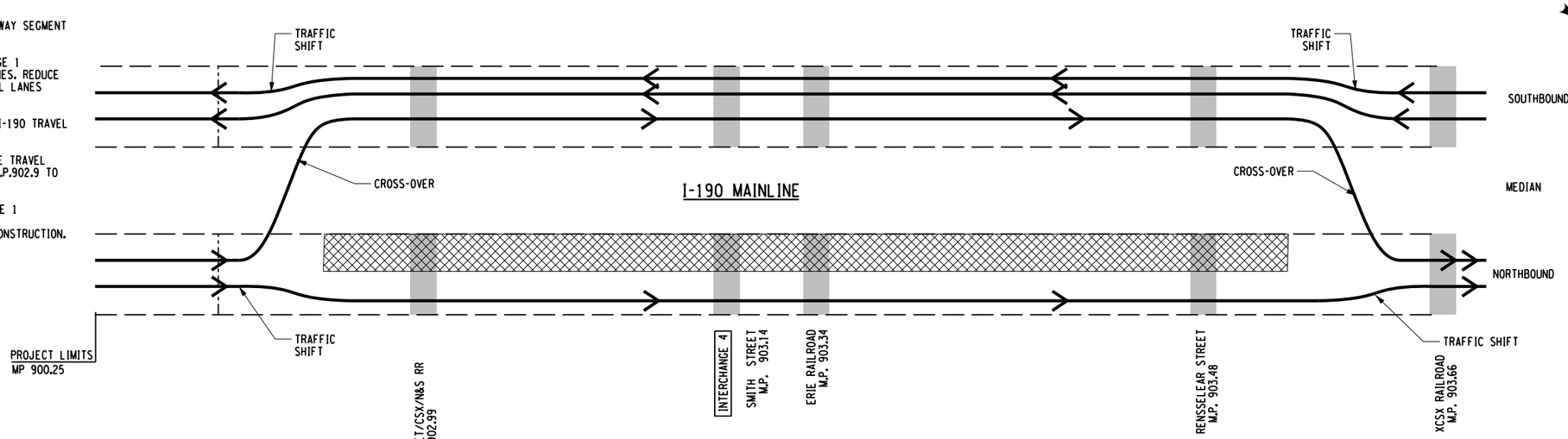
Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
716.853.4550 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING SECT.- 3/ STAGE-1 & STAGE-2 (SB)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-4

SECTION 3 / PHASE 2 / STAGE 1 NORTHBOUND

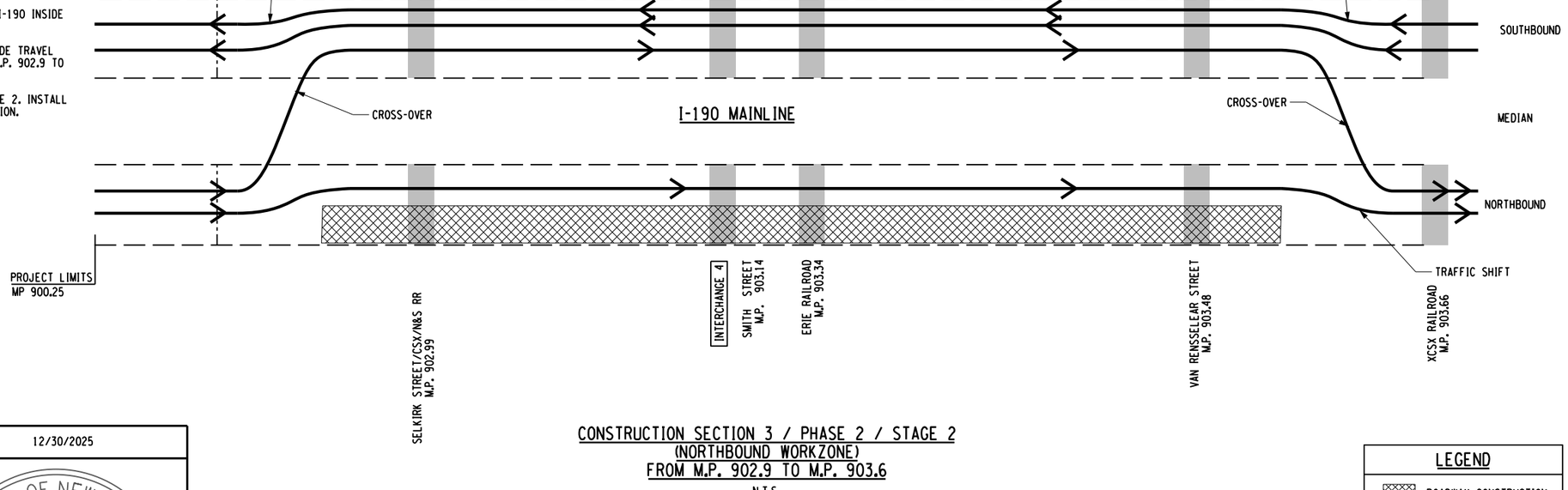
- SECTION-3 / STAGE 2 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 902.9 TO M.P. 903.6.
- MODIFY CROSS-OVERS FOR SECTION 3 / PHASE 2 / STAGE 1 CONSTRUCTION TO SHIFT NB TRAFFIC ON TO THE SB LANES. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT THE I-190 NB INSIDE TRAVEL LANE TO THE SB I-190 TRAVEL INSIDE LANE.
- COMPLETE ALL WORK FOR THE NB I-190 MAINLINE INSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P.902.9 TO 903.6.
- REMOVE WZTC SETUP FOR SECTION 3 / PHASE 2 / STAGE 1 CONSTRUCTION.
  INSTALL WZTC FOR SECTION 3 / PHASE 2 / STAGE 2 CONSTRUCTION.



CONSTRUCTION SECTION 3 / PHASE 2 / STAGE 1
(NORTHBOUND WORKZONE)
FROM M.P. 902.9 TO M.P. 903.6
N.T.S.

SECTION 3 / PHASE 2 / STAGE 2 NORTHBOUND

- SECTION-3 / STAGE 2 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 902.9 TO M.P. 903.6.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 INSIDE TRAVEL LANE.
- COMPLETE ALL WORK FOR THE NB I-190 MAINLINE OUTSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 902.9 TO 903.6.
- REMOVE WZTC SETUP FOR SECTION 3 / PHASE 2 / STAGE 2. INSTALL WZTC FOR SECTION 4 / PHASE 1 / STAGE 1 CONSTRUCTION.



CONSTRUCTION SECTION 3 / PHASE 2 / STAGE 2
(NORTHBOUND WORKZONE)
FROM M.P. 902.9 TO M.P. 903.6
N.T.S.

LEGEND
- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY:
DRAFTED BY:
DESIGNED BY: J. KLEINMANN
CHECKED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED 092577 PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

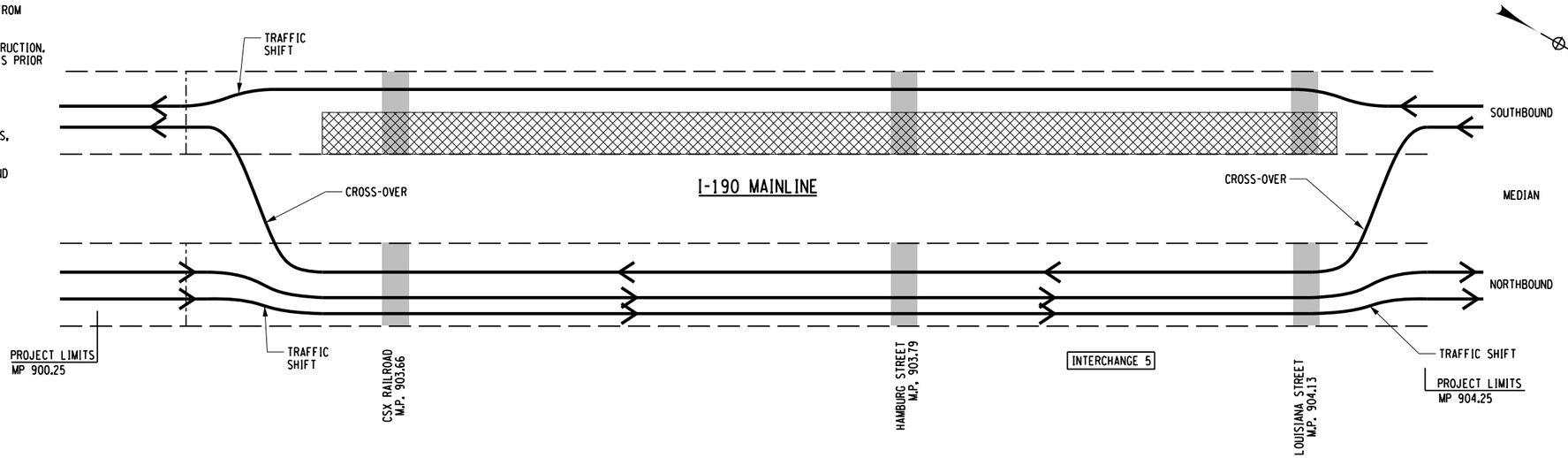
Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING SECT.- 3/ STAGE-1 & STAGE-2 (NB)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-5

SECTION 4 / PHASE 1 / STAGE 1 SOUTHBOUND

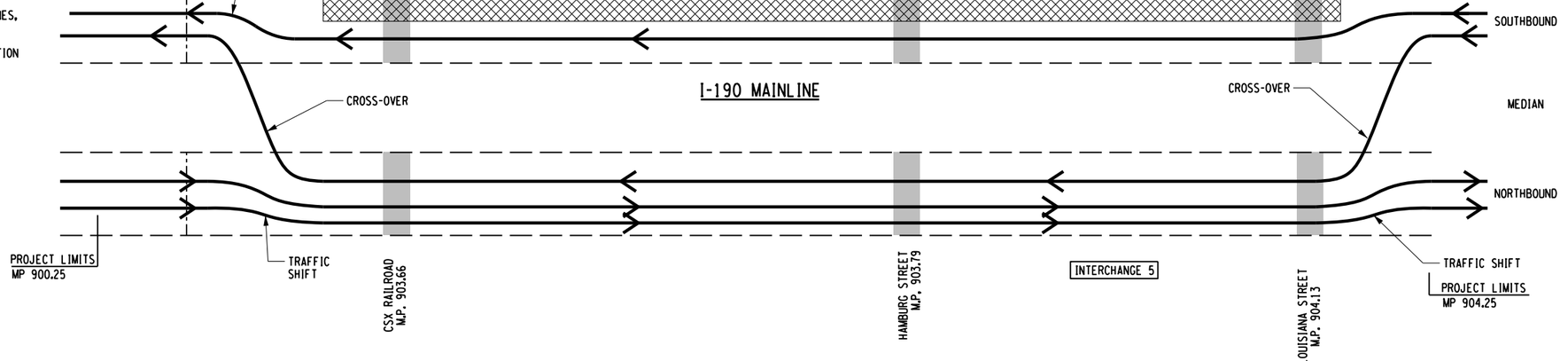
- SECTION-4 / STAGE 1 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 902.6 TO M.P. 904.2.
- CONSTRUCT CROSS-OVERS FOR SECTION 4 / PHASE 1 / STAGE 1 CONSTRUCTION. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 TRAVEL INSIDE LANE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE INSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 903.6 TO 904.2.
- REMOVE WZTC SETUP FOR SECTION 4 / PHASE 1 / STAGE 1 SOUTHBOUND CONSTRUCTION INSTALL WZTC FOR SECTION 4 / PHASE 1 / STAGE 2 CONSTRUCTION (OUTSIDE LANES).



CONSTRUCTION SECTION 4 / PHASE 1 / STAGE 1
(SOUTHBOUND WORKZONE)
FROM M.P. 903.6 TO M.P. 904.2
N.T.S.

SECTION 4 / PHASE 1 / STAGE 2 SOUTHBOUND

- SECTION-4 / STAGE 2 REHABILITATION OF THE SB ROADWAY SEGMENT FROM M.P. 902.6 TO M.P. 904.2.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 INSIDE TRAVEL LANE.
- COMPLETE ALL WORK FOR THE SB I-190 MAINLINE OUTSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 903.6 TO 904.2.
- REMOVE WZTC SETUP FOR SECTION 4 / PHASE 1 / STAGE 2 CONSTRUCTION (OUTSIDE LANES). INSTALL WZTC FOR SECTION 4 / PHASE 2 / STAGE 1 CONSTRUCTION.



CONSTRUCTION SECTION 4 / PHASE 1 / STAGE 2
(SOUTHBOUND WORKZONE)
FROM M.P. 903.6 TO M.P. 904.2
N.T.S.

LEGEND

- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY:
DRAFTED BY:
DESIGNED BY: J. KLEINMANN
CHECKED BY:
DESIGNED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

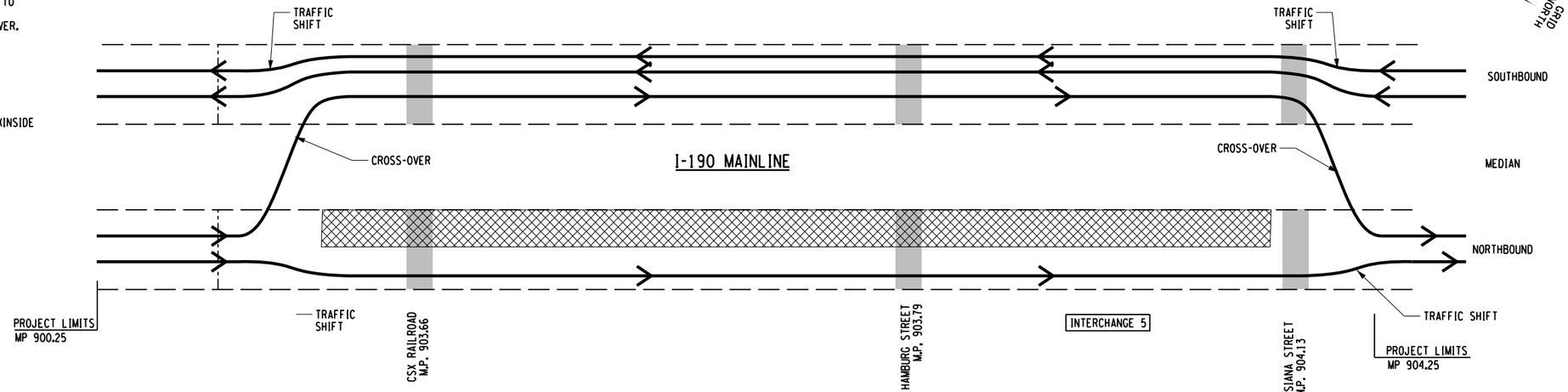
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING SECT.- 4/ STAGE-1 & STAGE-2 (SB)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-6

SECTION 4 / PHASE 2 / STAGE 1 NORTHBOUND

- SECTION-4 / STAGE 1 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 903.6 TO M.P. 904.2.
- MODIFY CROSS-OVERS FOR SECTION 4 / PHASE 2 / STAGE 1 CONSTRUCTION TO SHIFT NB TRAFFIC ON TO THE SB LANES. REDUCE NB & SB MAINLINE THREE TRAVEL LANES TO TWO TRAVEL LANES PRIOR TO APPROACHING THE CROSS-OVER.
- DIVERT THE I-190 NB INSIDE TRAVEL LANE TO THE SB I-190 TRAVEL INSIDE LANE.
- COMPLETE ALL WORK FOR THE NB I-190 MAINLINE INSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 903.6 TO 904.2.
- REMOVE WZTC SETUP FOR SECTION 4 / PHASE 2 / STAGE 1 CONSTRUCTION (INSIDE TRAVEL LANES). INSTALL WZTC FOR SECTION 4 / PHASE 2 / STAGE 2 CONSTRUCTION.

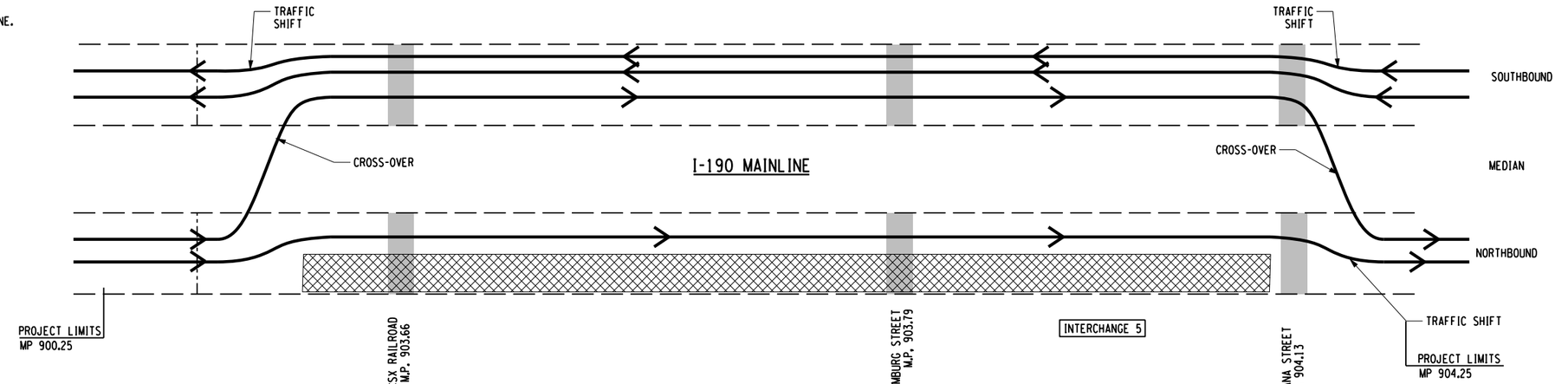


CONSTRUCTION SECTION 4 / PHASE 2 / STAGE 1
(NORTHBOUND WORKZONE)
FROM M.P. 903.6 TO M.P. 904.2

N.T.S.

SECTION 4 / PHASE 2 / STAGE 2 NORTHBOUND

- SECTION-4 / STAGE 2 REHABILITATION OF THE NB ROADWAY SEGMENT FROM M.P. 903.6 TO M.P. 904.2.
- DIVERT THE I-190 SB INSIDE TRAVEL LANE TO THE NB I-190 INSIDE TRAVEL LANE.
- COMPLETE ALL WORK FOR THE NB I-190 MAINLINE OUTSIDE TRAVEL LANES, INTERCHANGE RAMPS AND BRIDGE JOINTS FROM M.P. 903.6 TO 904.2.
- REMOVE WZTC SETUP FOR SECTION 4 / PHASE 2 / STAGE 2 NORTHBOUND.



CONSTRUCTION SECTION 4 / PHASE 2 / STAGE 2
(NORTHBOUND WORKZONE)
FROM M.P. 903.6 TO M.P. 904.2

N.T.S.

LEGEND

- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY:
DRAFTED BY:
DESIGNED BY: J. KLEINMANN
CHECKED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED 092577 PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

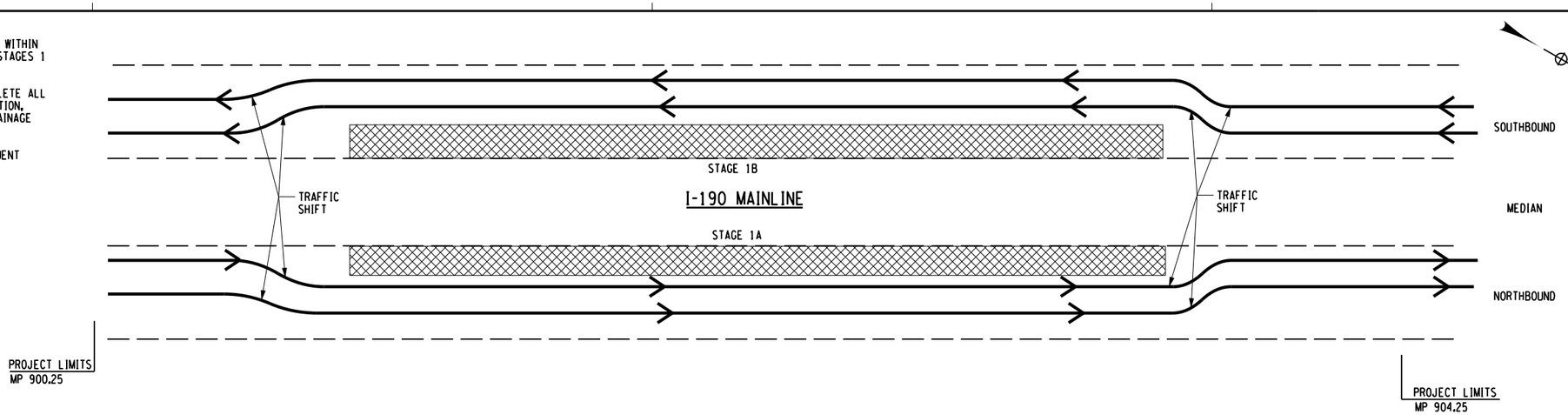
Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
716.853.1850 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WORK ZONE CONSTRUCTION STAGING SECT.- 4/ STAGE-1 & STAGE-2 (NB)	DRAWING NUMBER: CSTCP-7

SECTION 5 / PHASE 1 / STAGE 1A & 1B

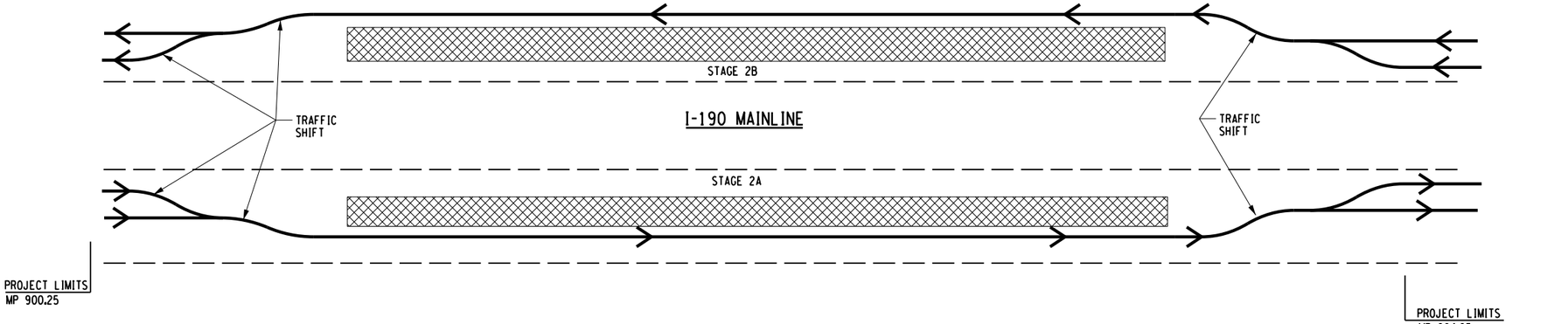
- COMPLETE REHABILITATION OF THE SB AND NB ROADWAY SEGMENTS WITHIN THE LIMITS OF THE CROSS-OVERS AND AREAS NOT COMPLETED IN STAGES 1 TO 4.
- SET UP WZTC FOR INTERMEDIATE-TERM LEFT LANE CLOSURE, COMPLETE ALL CONCRETE PAVEMENT REPAIRS, FULL DEPTH PAVEMENT RECONSTRUCTION, GUIDE RAIL AND CONCRETE MEDIAN BARRIER INSTALLATION AND DRAINAGE REPAIRS FOR THE INSIDE LEFT TRAVEL LANE.
- REMOVE EXISTING MIARDS ON THE OUTSIDE SHOULDER FOR SUBSEQUENT CONSTRUCTION STAGES.



CONSTRUCTION SECTION 5 / PHASE 1 / STAGE 1A & 1B
INTERMEDIATE TERM LEFT LANE CLOSURE
N.T.S.

SECTION 5 / PHASE 1 / STAGE 2A & 2B

- COMPLETE REHABILITATION OF THE SB AND NB ROADWAY SEGMENTS WITHIN THE LIMITS OF THE CROSS-OVERS AND AREAS NOT COMPLETED IN STAGES 1 TO 4.
- SETUP WZTC SHORT-TERM MEASURES AS NECESSARY AND AOBE TO COMPLETE CONCRETE PAVEMENT REPAIRS, FULL DEPTH PAVEMENT RECONSTRUCTION FOR THE CENTER TRAVEL LANES.



CONSTRUCTION SECTION 5 / PHASE 1 / STAGE 2A & 2B
SHORT-TERM CENTER LANE CLOSURE
N.T.S.

LEGEND
- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY: J. KLEINMANN
DRAFTED BY:
DESIGNED BY:
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

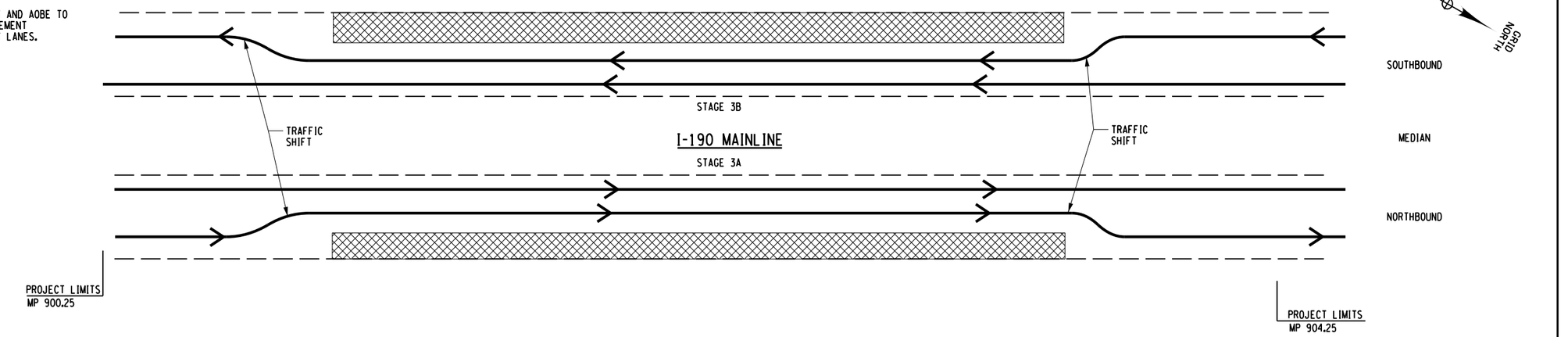
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WORK ZONE CONSTRUCTION STAGING STAGE 5A AND 5B (NB & SB)	DRAWING NUMBER: CSTCP-8

STAGE 5 / PHASE 1 / STAGE 3A & 3B

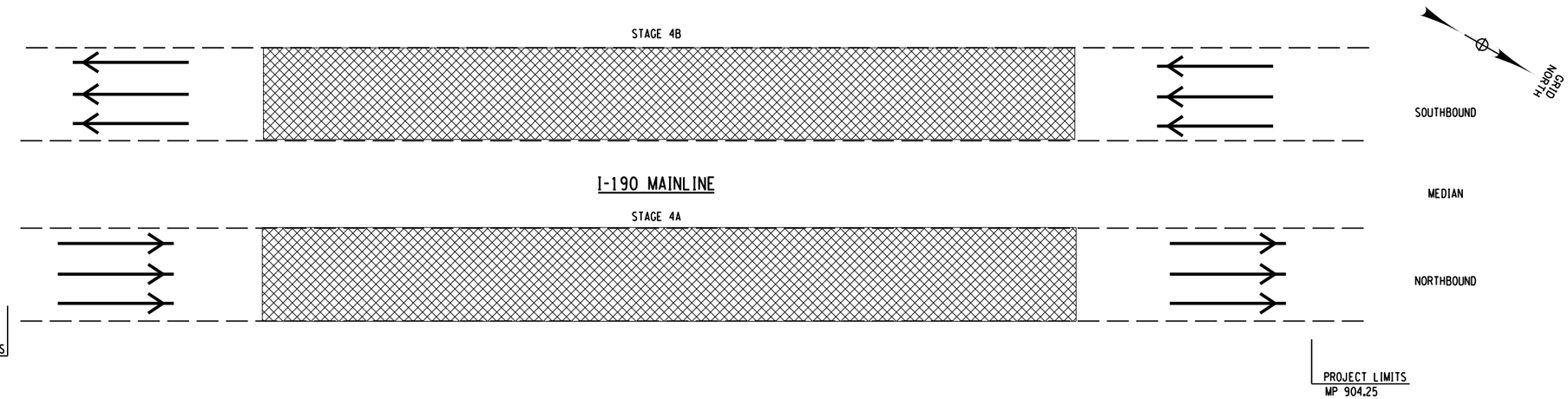
- COMPLETE REHABILITATION OF THE SB AND NB ROADWAY SEGMENTS WITHIN THE LIMITS OF THE CROSS-OVERS AND AREAS NOT COMPLETED IN STAGES 1 TO 4.
- SETUP WZTC INTERMEDIATE-TERM MEASURES AS NECESSARY AND AOBE TO COMPLETE CONCRETE PAVEMENT REPAIRS, FULL DEPTH PAVEMENT RECONSTRUCTION FOR THE OUTSIDE TRAVEL AND AUXILIARY LANES.



CONSTRUCTION SECTION 5 / PHASE 1 / STAGE 3A & 3B
INTERMEDIATE-TERM RIGHT LANE / AUXILLARY LANE CLOSURE
N.T.S.

SECTION 5 / PHASE 1 / STAGE 4A & 4B

- COMPLETE PAVING OPERATIONS OF THE SB AND NB ROADWAY SEGMENTS WITHIN THE LIMITS OF THE CROSS-OVERS AND AREAS NOT COMPLETED IN STAGES 1 TO 4.
- INSTALL TWO-COURSE OVERLAY ALONG ALL NORTHBOUND AND SOUTHBOUND TRAVEL LANES AND SHOULDERS. PAVEMENT SHALL BE PLACED USING SHORT-TERM LANE CLOSURES IN ACCORDANCE WITH "LANE CLOSURE CHARTS" ON NYSTA STANDARD SHEETS TA 619.37. ONE LANE MUST BE OPENED AT ALL TIMES. MILL AND OVERLAY ANY RAMPS NOT COMPLETED IN SECTIONS 1 THROUGH SECTION 4. INSTALL FINAL PAVEMENT MARKINGS.



CONSTRUCTION SECTION 5 / PHASE 1 / STAGE 4A & 4B
SHORT-TERM FOR ALL LANE CLOSURES
N.T.S.

LEGEND
- ROADWAY CONSTRUCTION
- BRIDGE LIMITS
- TRAFFIC DIRECTION

CHECKED BY:
DRAFTED BY:
DESIGNED BY: J. KLEINMANN
DESIGN SUPERVISOR: D. MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

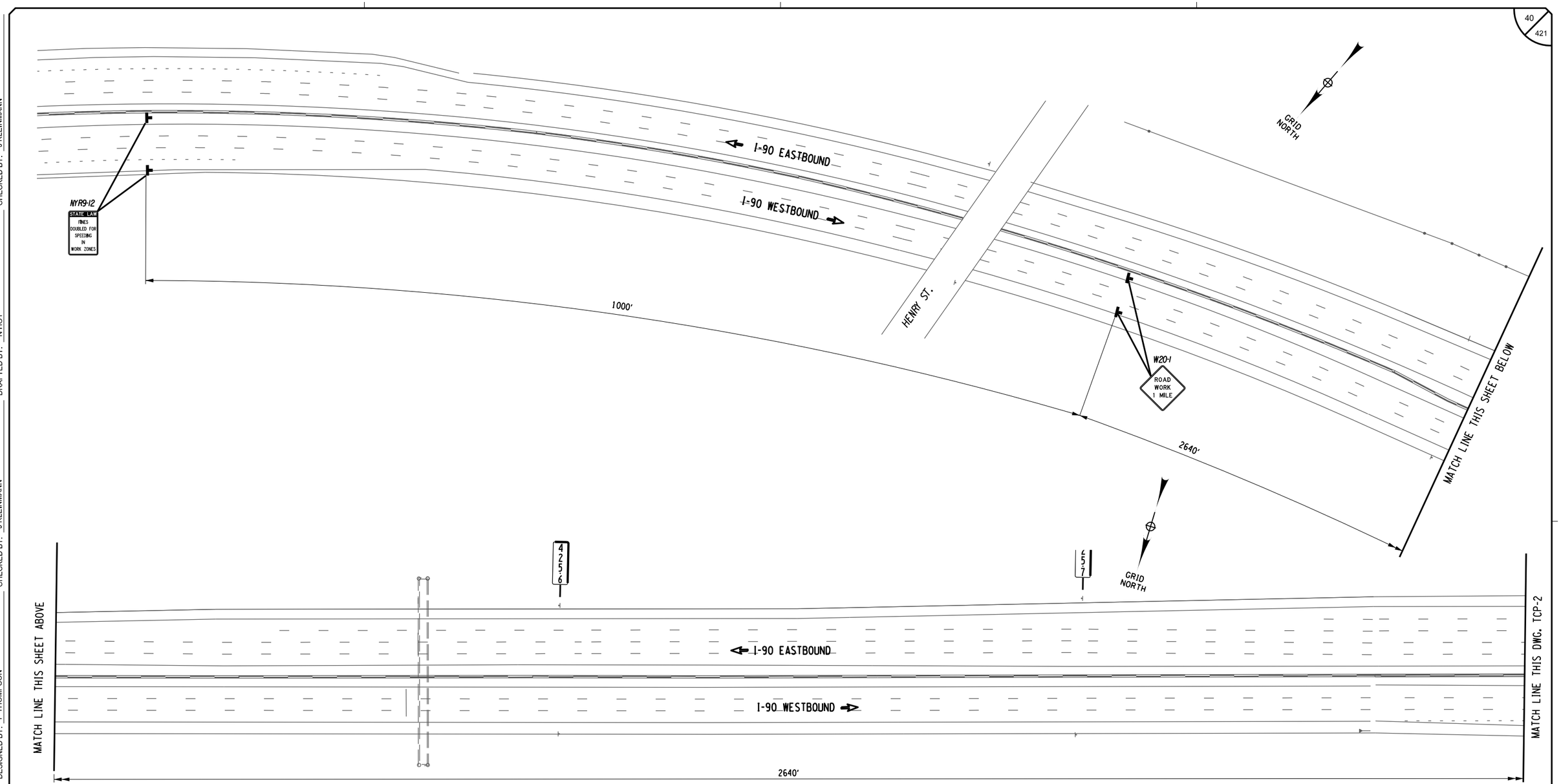
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WORK ZONE CONSTRUCTION STAGING STAGE 5A AND 5B (NB & SB)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CSTCP-9



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

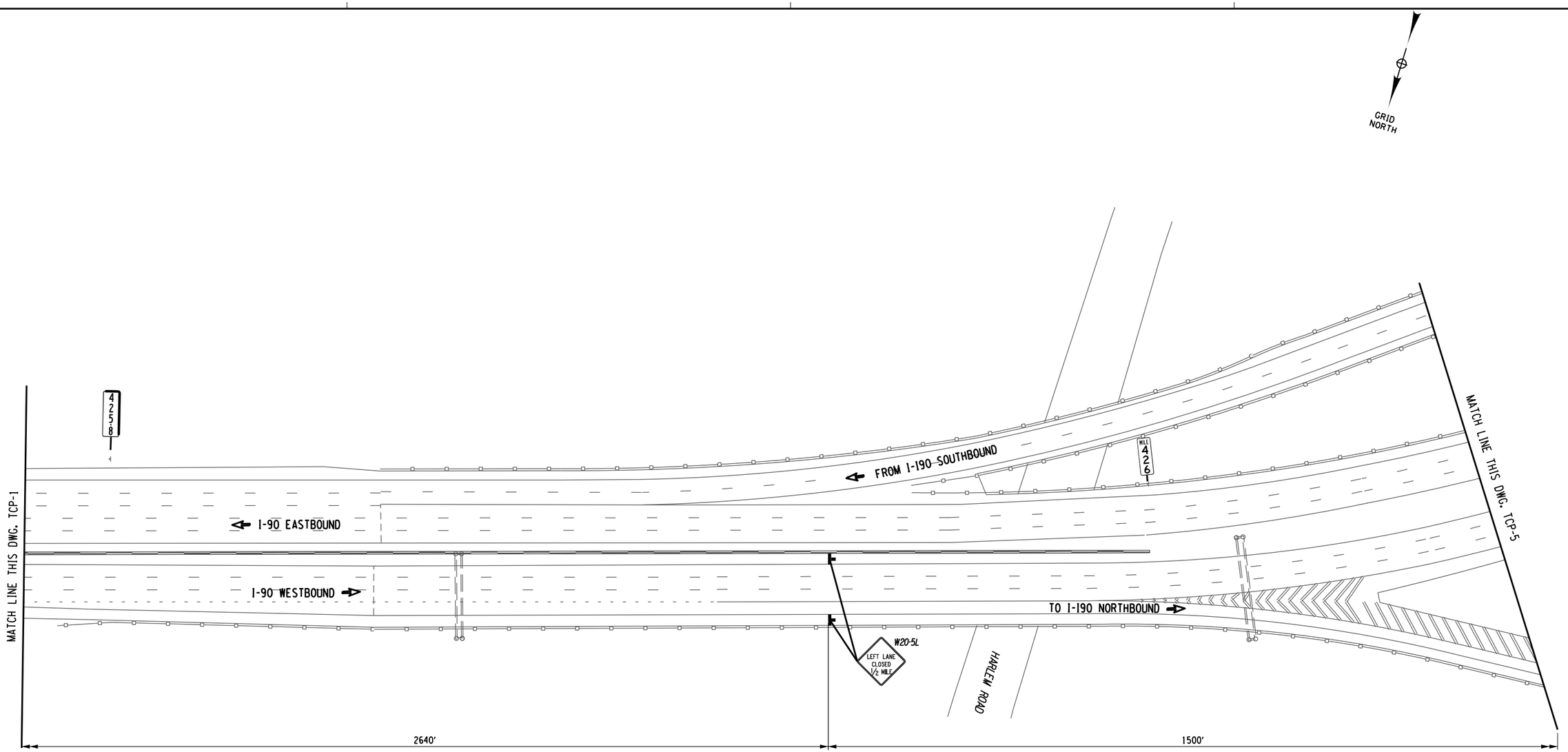
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.3500 - www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-1

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

GRID NORTH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-2

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

GRID NORTH

2640'

4266 4267 4268

MATCH LINE THIS DWG. TCP-4

I-90 EASTBOUND

I-90 WESTBOUND

MATCH LINE THIS SHEET BELOW

GRID NORTH

NYR9-12

STATE LAW
FINES
DOUBLED FOR
SPEEDING
IN
WORK ZONES

2640'

1000'

W20-1
ROAD
WORK
1 MILE

MINERAL SPRINGS RD.

4269

MILE
42

MATCH LINE THIS SHEET ABOVE

I-90 EASTBOUND

I-90 WESTBOUND

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacalibrtns.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-3

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

MATCH LINE THIS DWG. TCP-5

1500'

W20-5L
LEFT LANE CLOSED
½ MILE

4 2 6 3

4 TO I-190 NORTHBOUND

4 I-90 EASTBOUND

I-90 WESTBOUND 4

2640'

TO I-90 WESTBOUND 4

4 2 6 5

4 I-90 EASTBOUND

I-90 WESTBOUND 4

W ST.

MATCH LINE THIS DWG. TCP-3

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 · www.chacobuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-4

MATCH LINE THIS DWG. TCP-4

GRID NORTH

FROM I-190 SOUTHBOUND TO I-90 WESTBOUND

FROM I-190 SOUTHBOUND TO I-90 EASTBOUND

FROM I-190 SOUTHBOUND

I-90 EASTBOUND

I-90 WESTBOUND

FROM I-90 EASTBOUND TO I-190 NORTHBOUND

FROM I-90 WESTBOUND TO I-190 NORTHBOUND

1500'

500'

1500'

500'

MILE NO 1

W4-2L

W4-2L

MATCH LINE THIS DWG. TCP-2

MATCH LINE THIS DWG. TCP-6

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

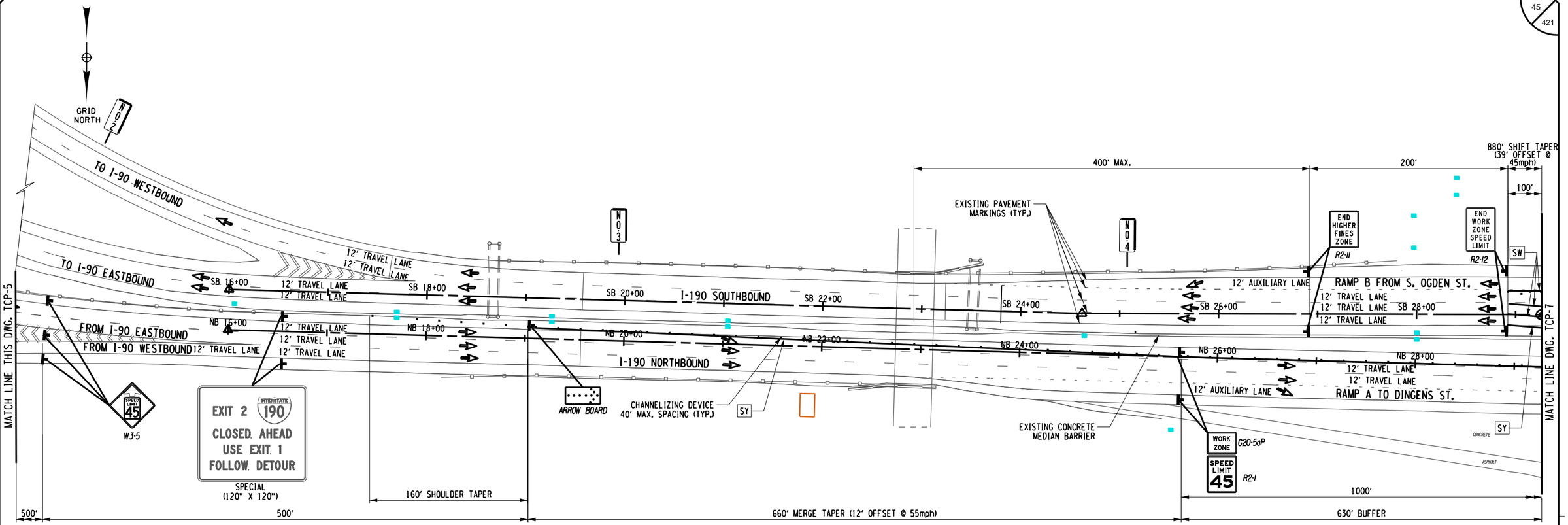
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-5



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

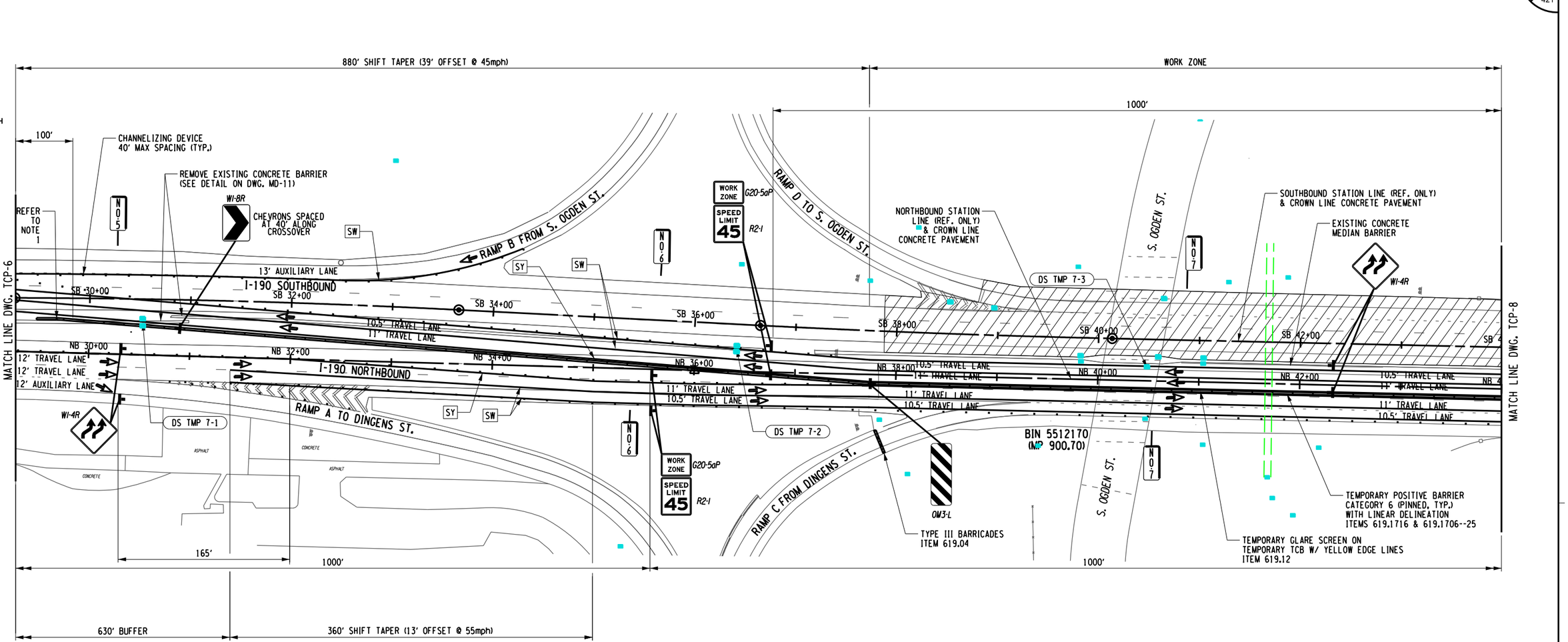
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-6



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

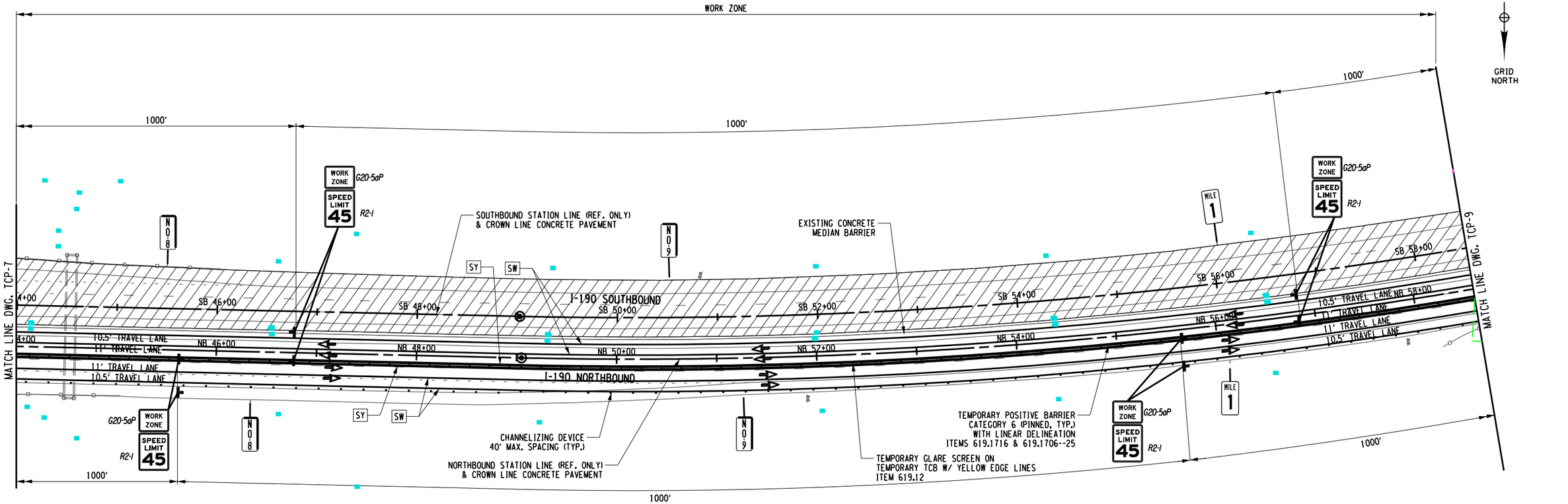
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-7



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

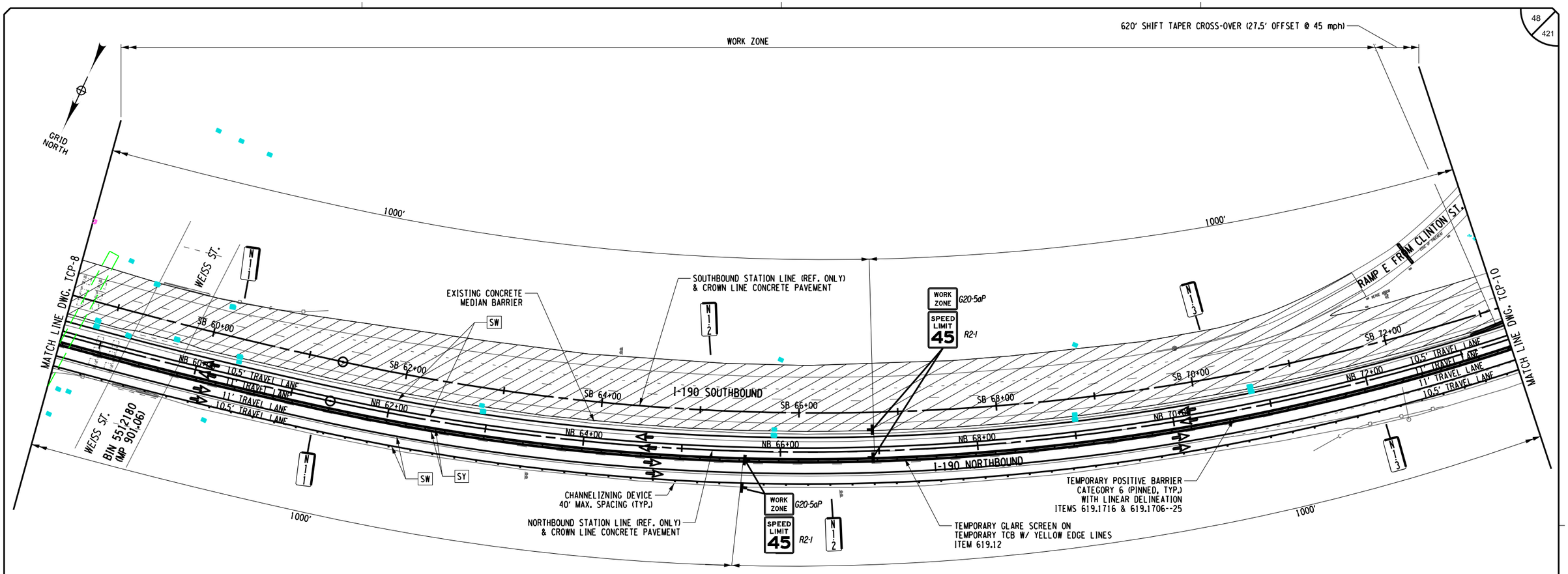
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main-Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbltons.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-8



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

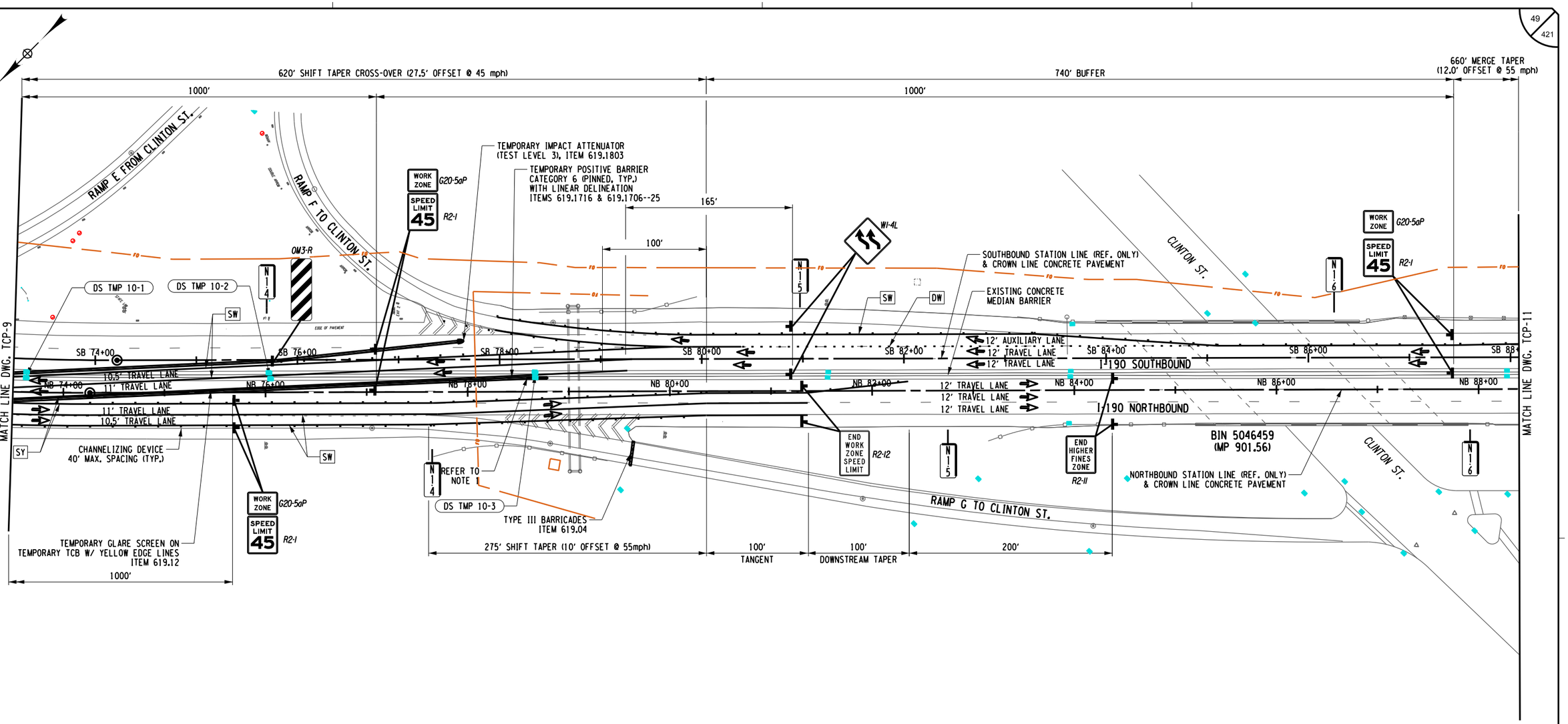
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-9



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
092577
LICENSED
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

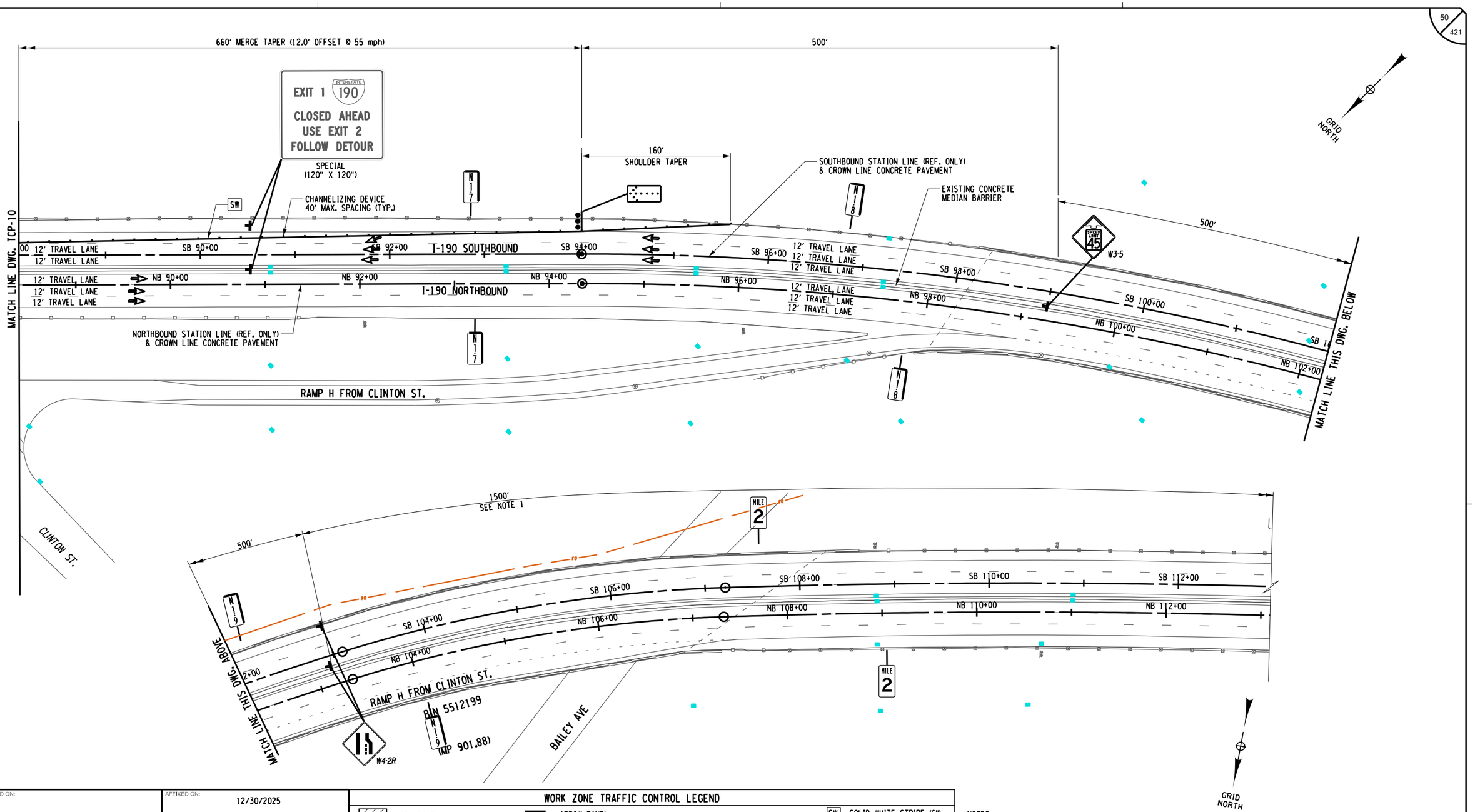
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-10



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2R SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

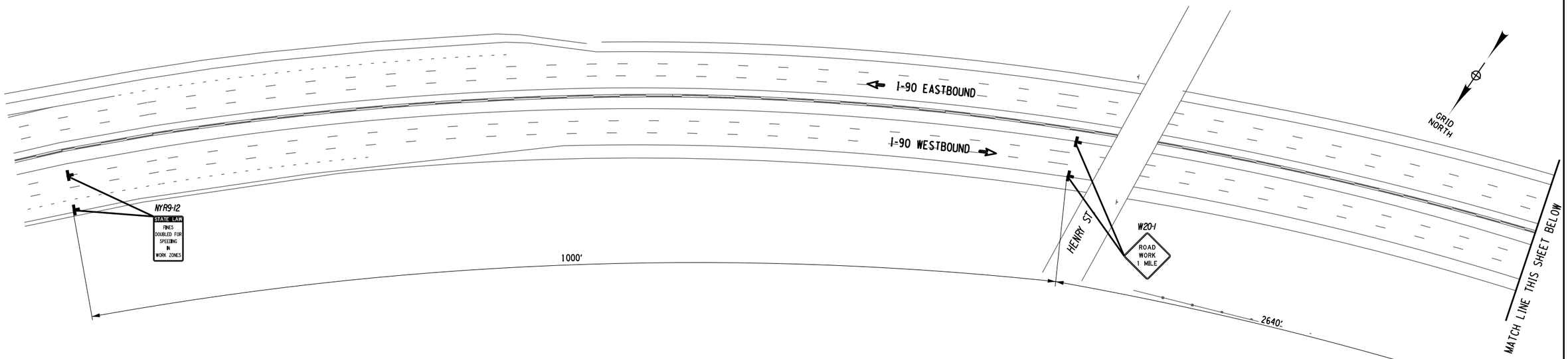
NEW YORK STATE | Thruway Authority

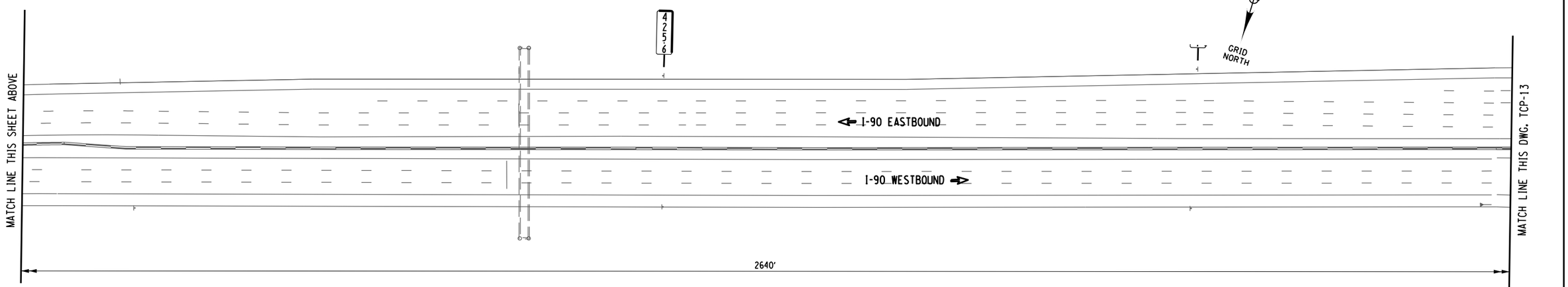
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 1/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-11

DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH





ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

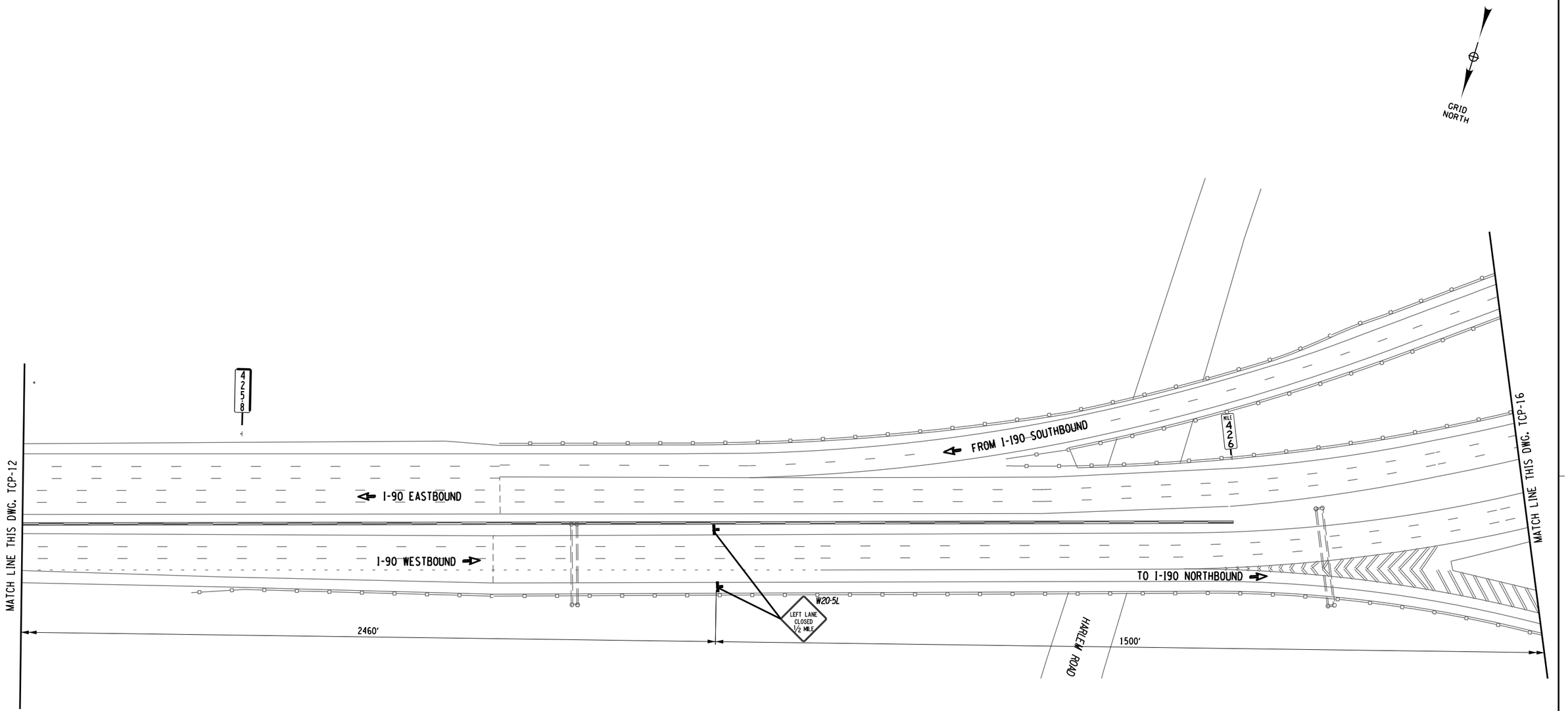
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-12

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

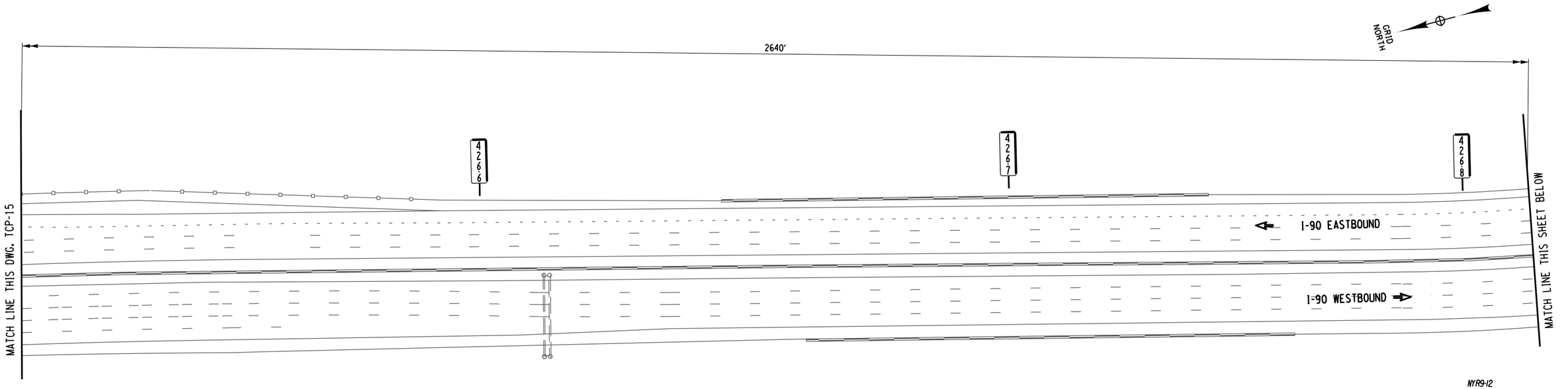
NEW YORK STATE Thruway Authority

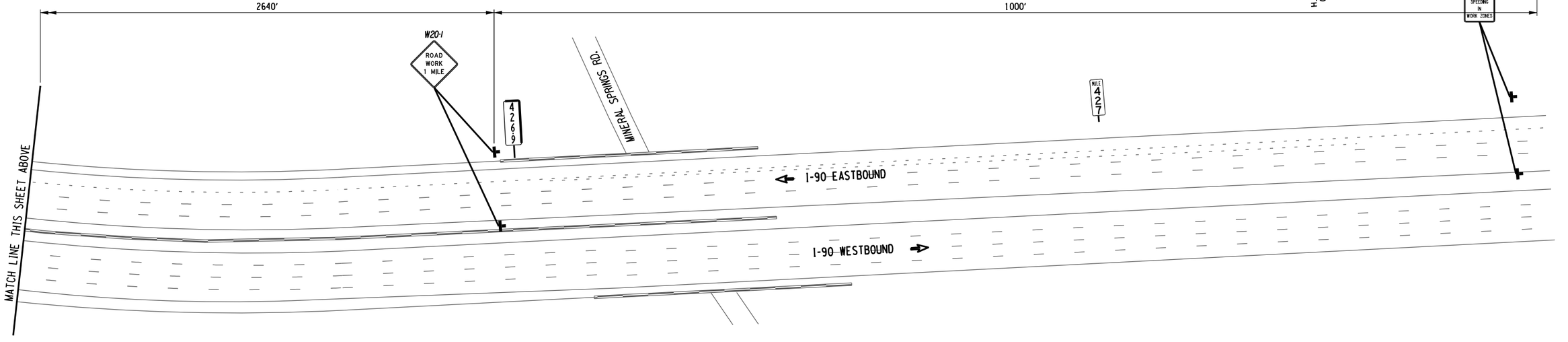
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-13

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN





ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

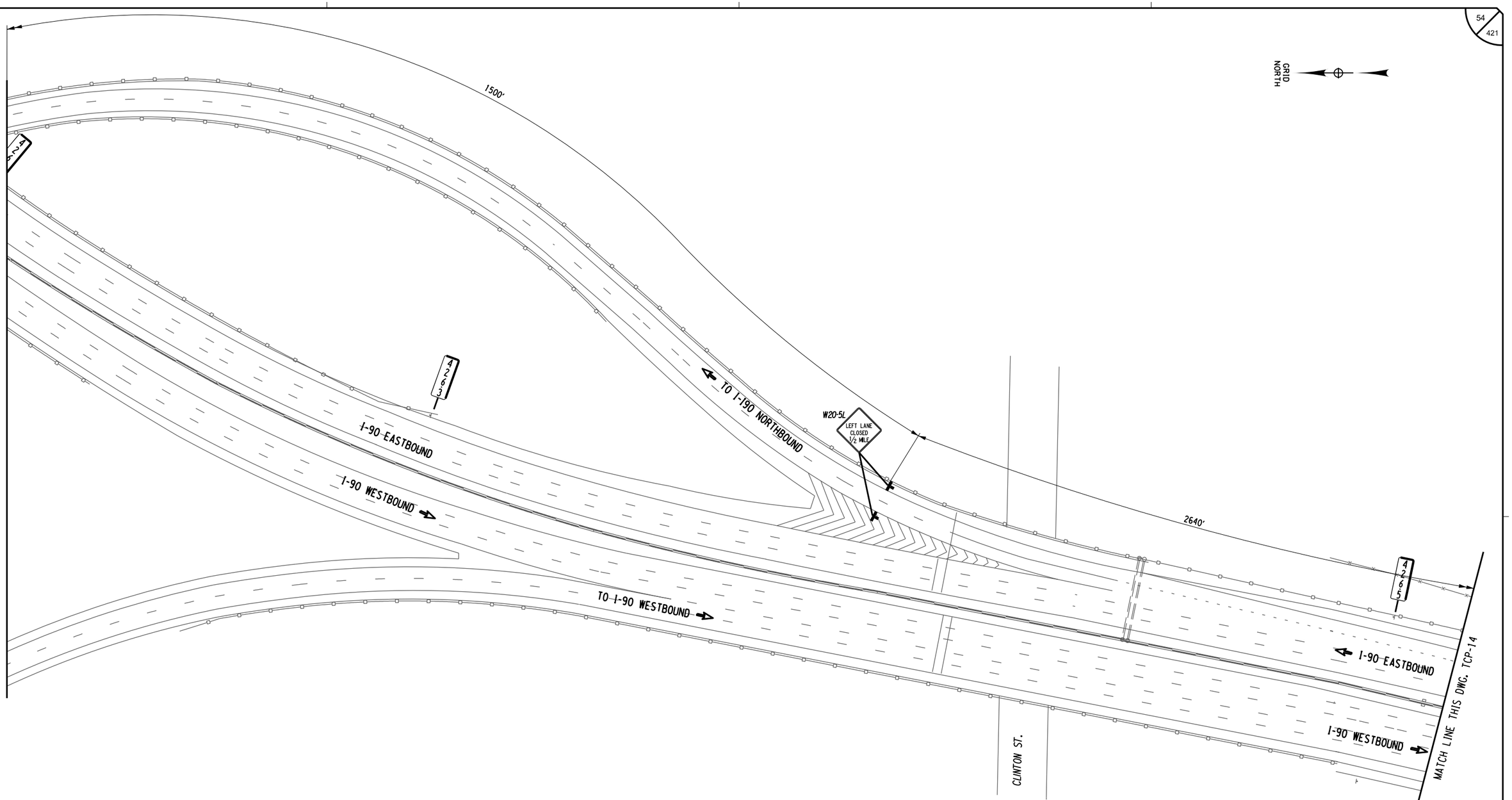
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-14

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

Drawing Copyright © 2025

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-15

MATCH LINE THIS DWG. TCP-15

GRID NORTH

FROM I-190 SOUTHBOUND TO I-90 EASTBOUND

FROM I-190 SOUTHBOUND TO I-90 WESTBOUND

FROM I-190 SOUTHBOUND

I-90 EASTBOUND

I-90 WESTBOUND

426

FROM I-90 EASTBOUND TO I-190 NORTHBOUND

FROM I-90 WESTBOUND TO I-190 NORTHBOUND

W4-2L

W3-5

SPEED LIMIT 45

MILE NO

NO-1

1500'

500'

MATCH LINE THIS DWG. TCP-13

MATCH LINE THIS DWG. TCP-17

0 50 100 FEET
SCALE 1" = 100'

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

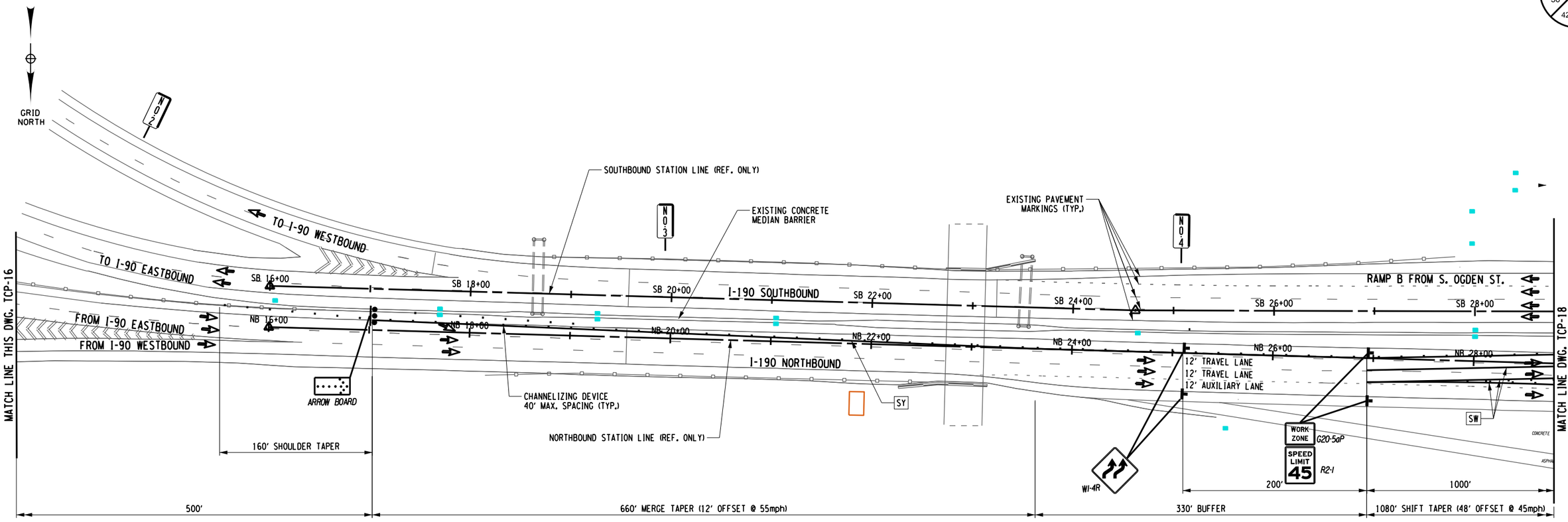
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-16



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.
2. THE ADVANCE WARNING SIGNS BEYOND W3-5 SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

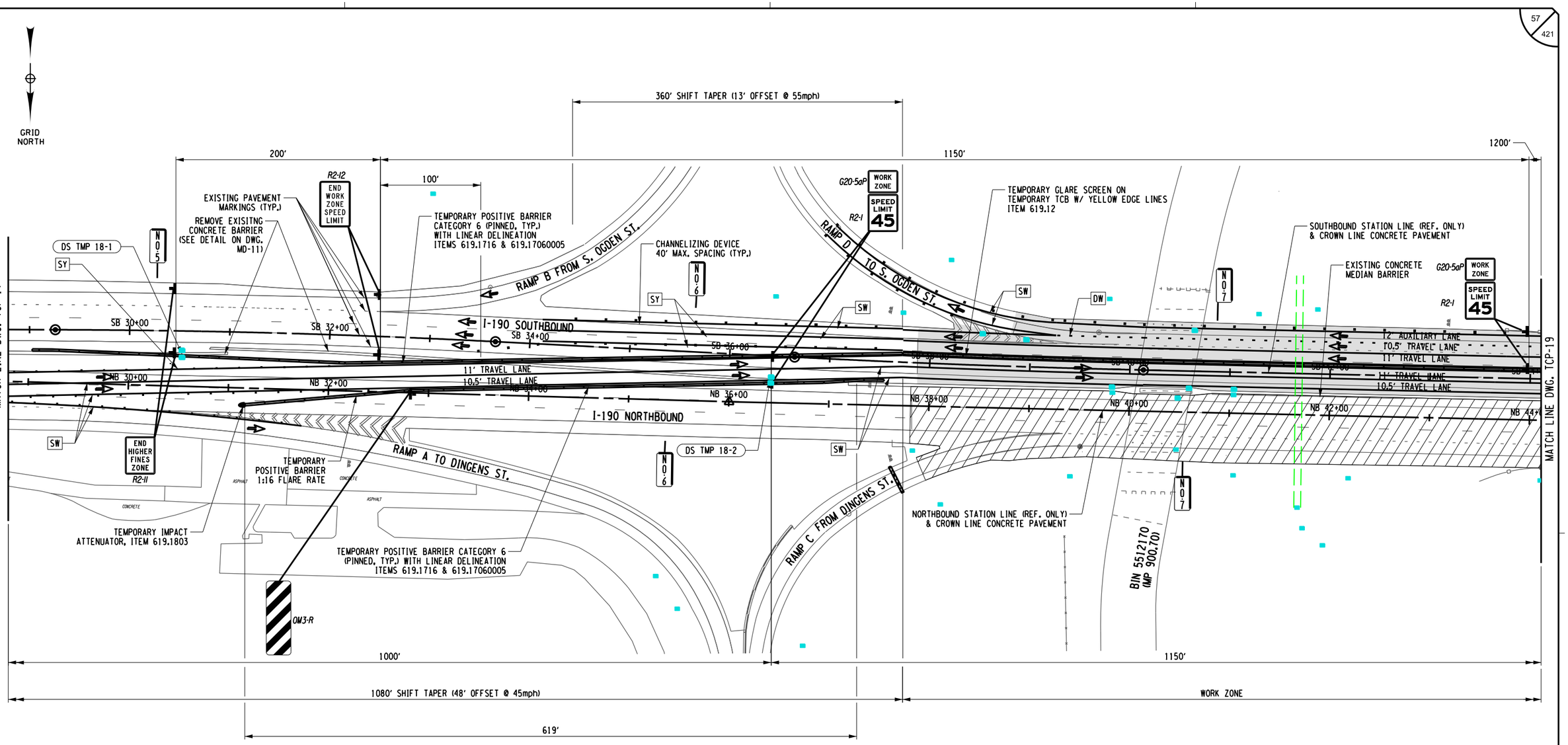
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-17

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

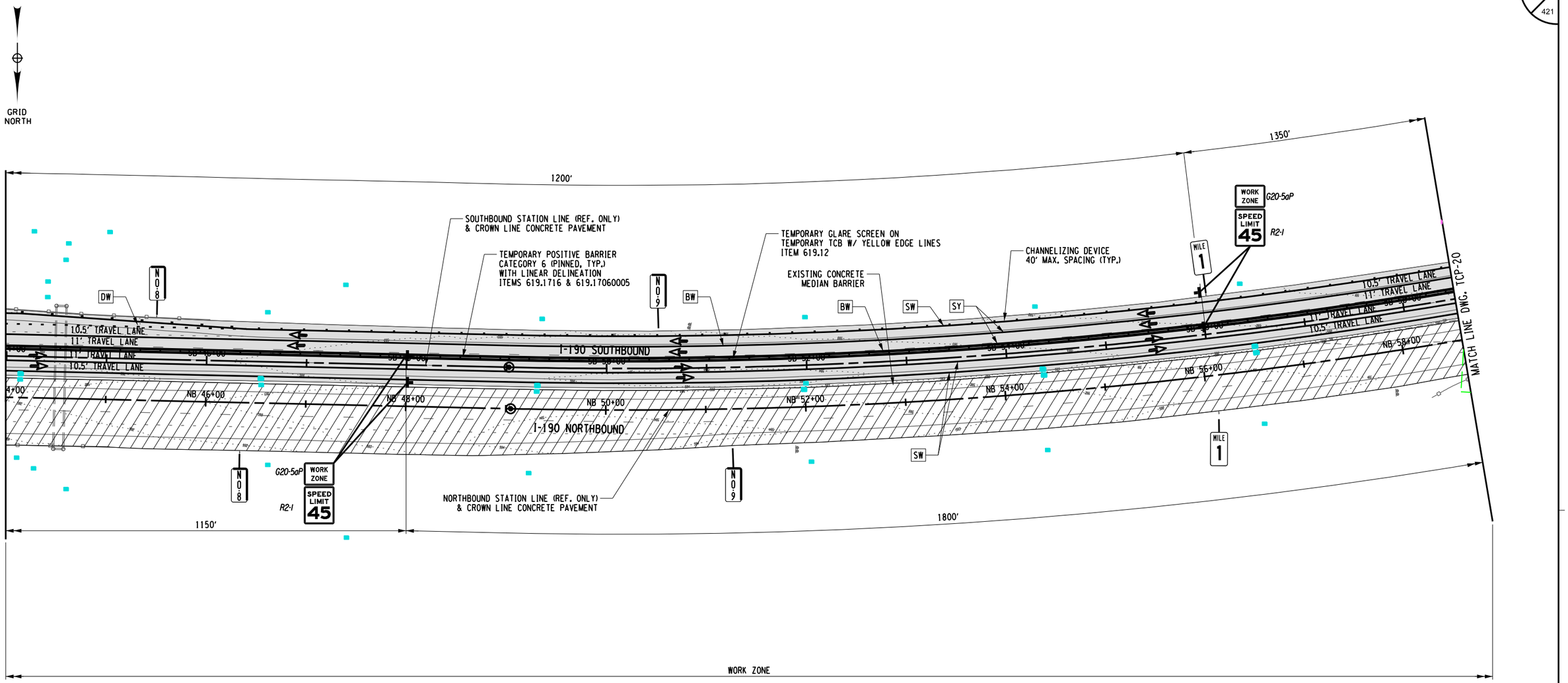
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-18



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · 092577 · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

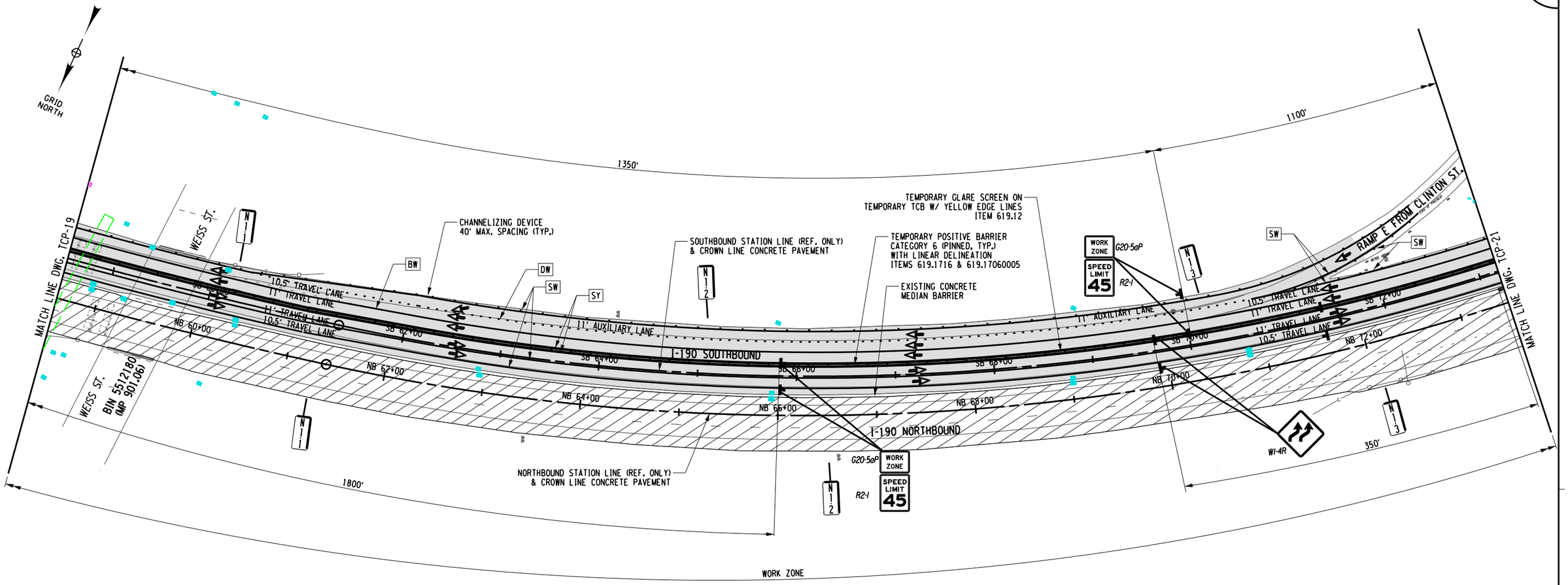
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-19

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

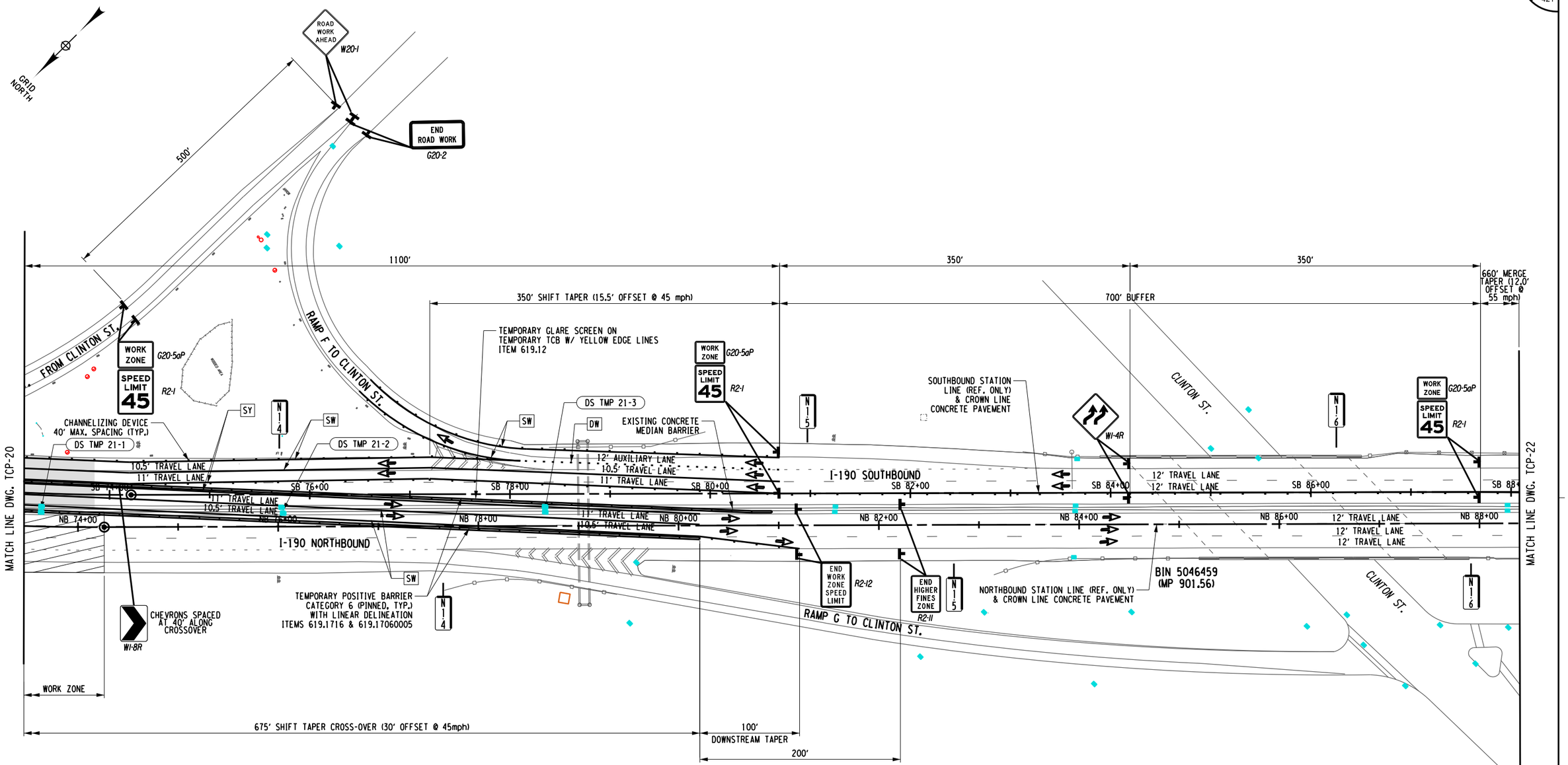
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

CHA
Drawing Copyright © 2025
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-20

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

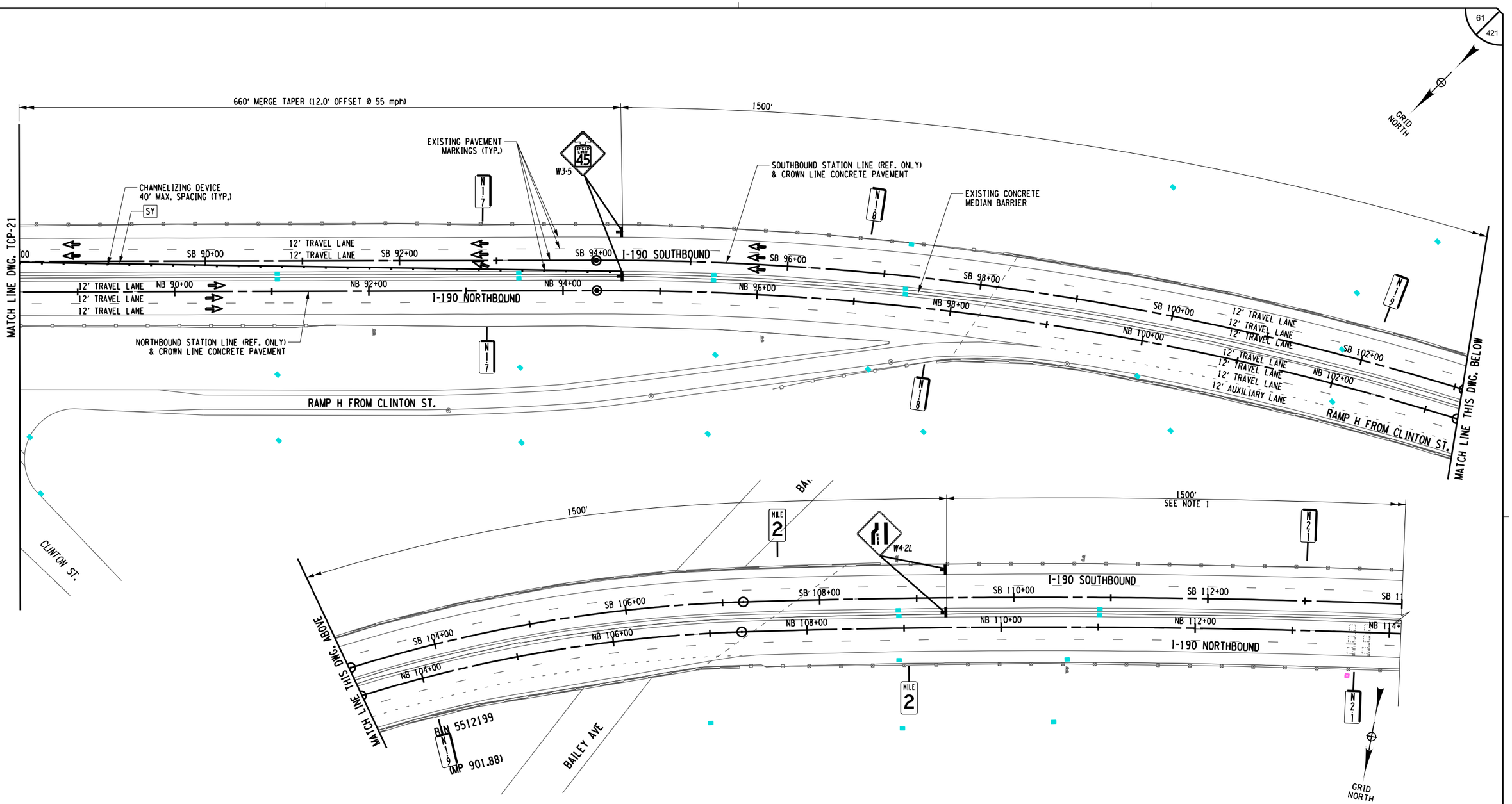
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-21



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

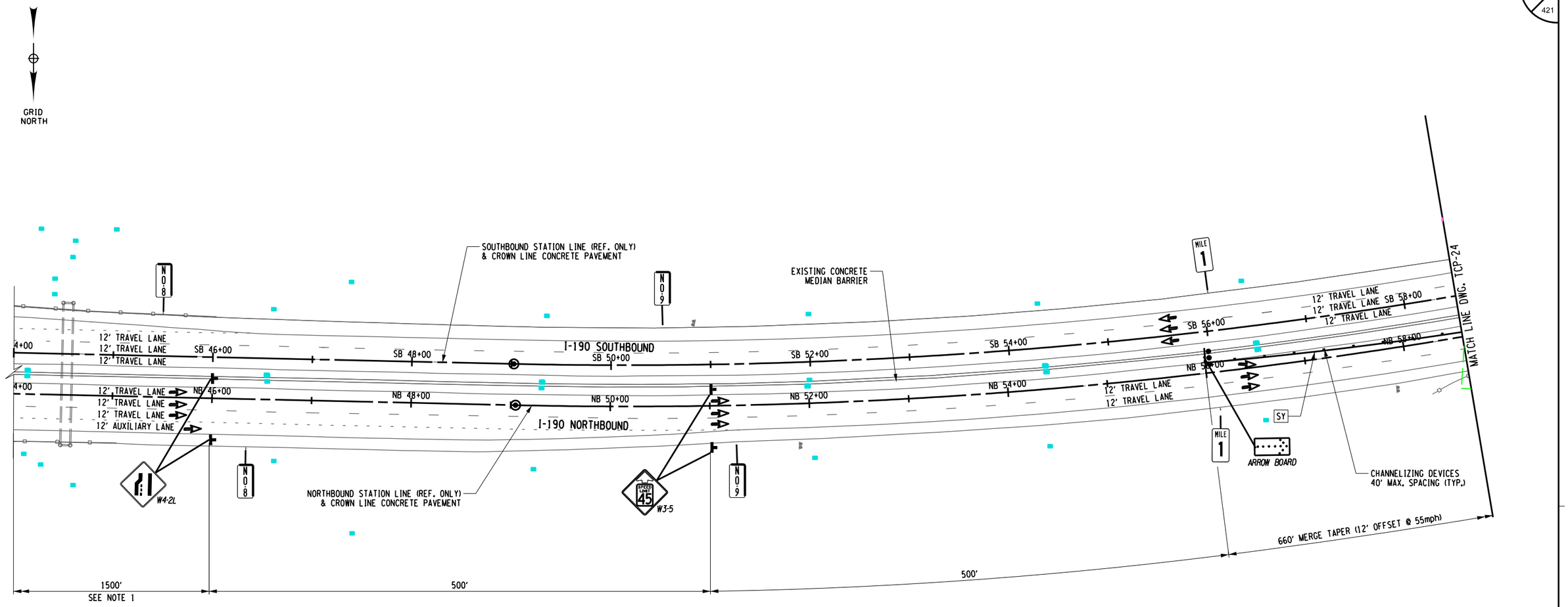
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 1/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-22

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

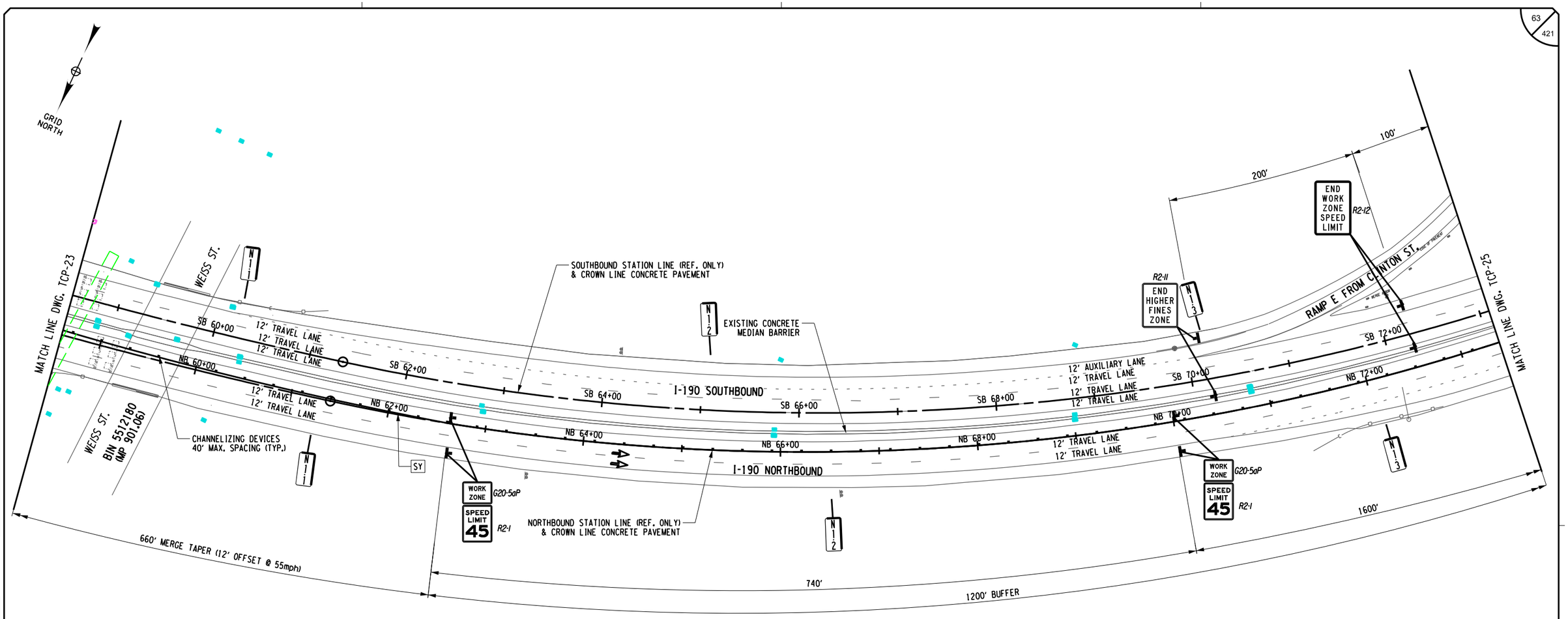
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-23



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

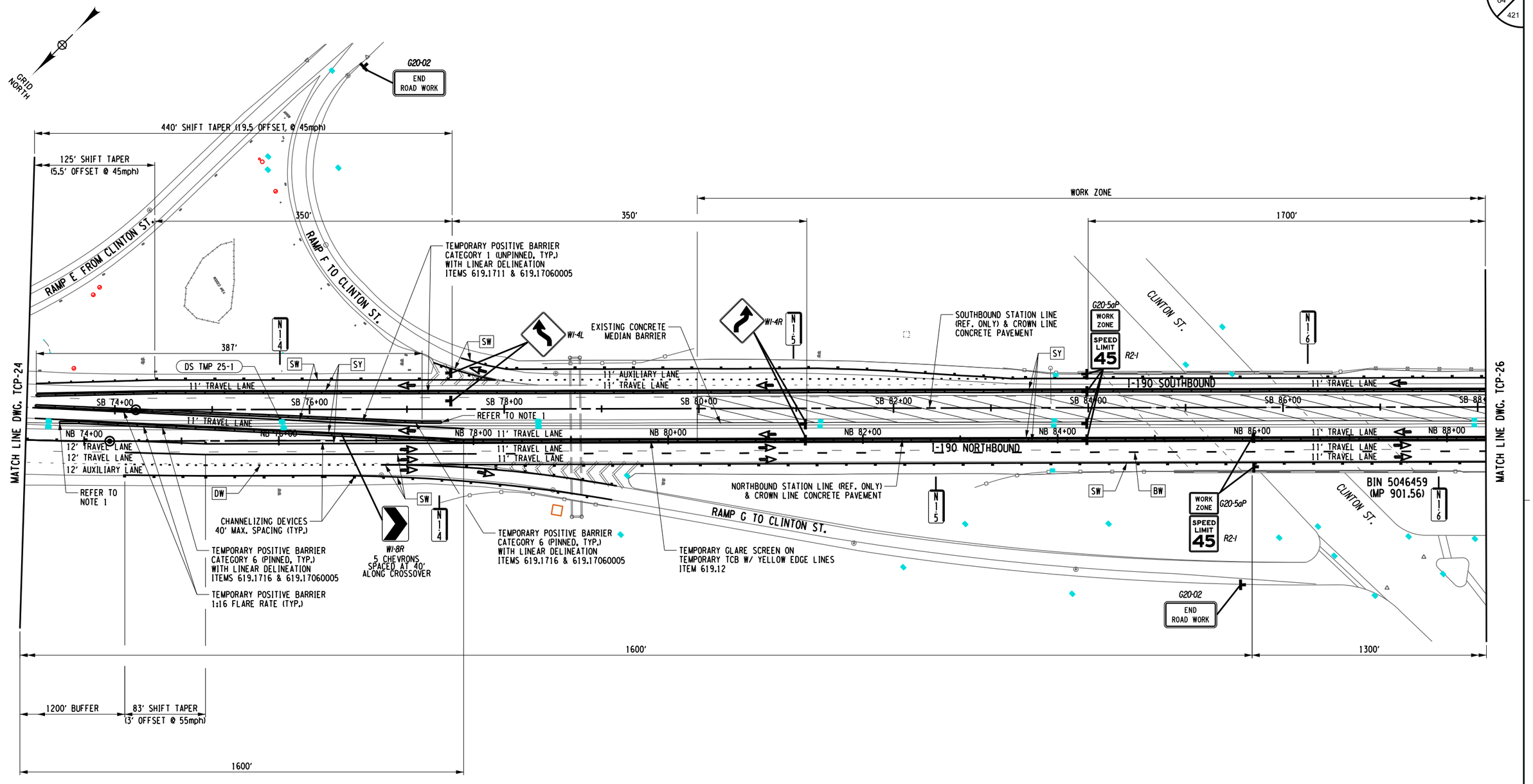
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-24

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

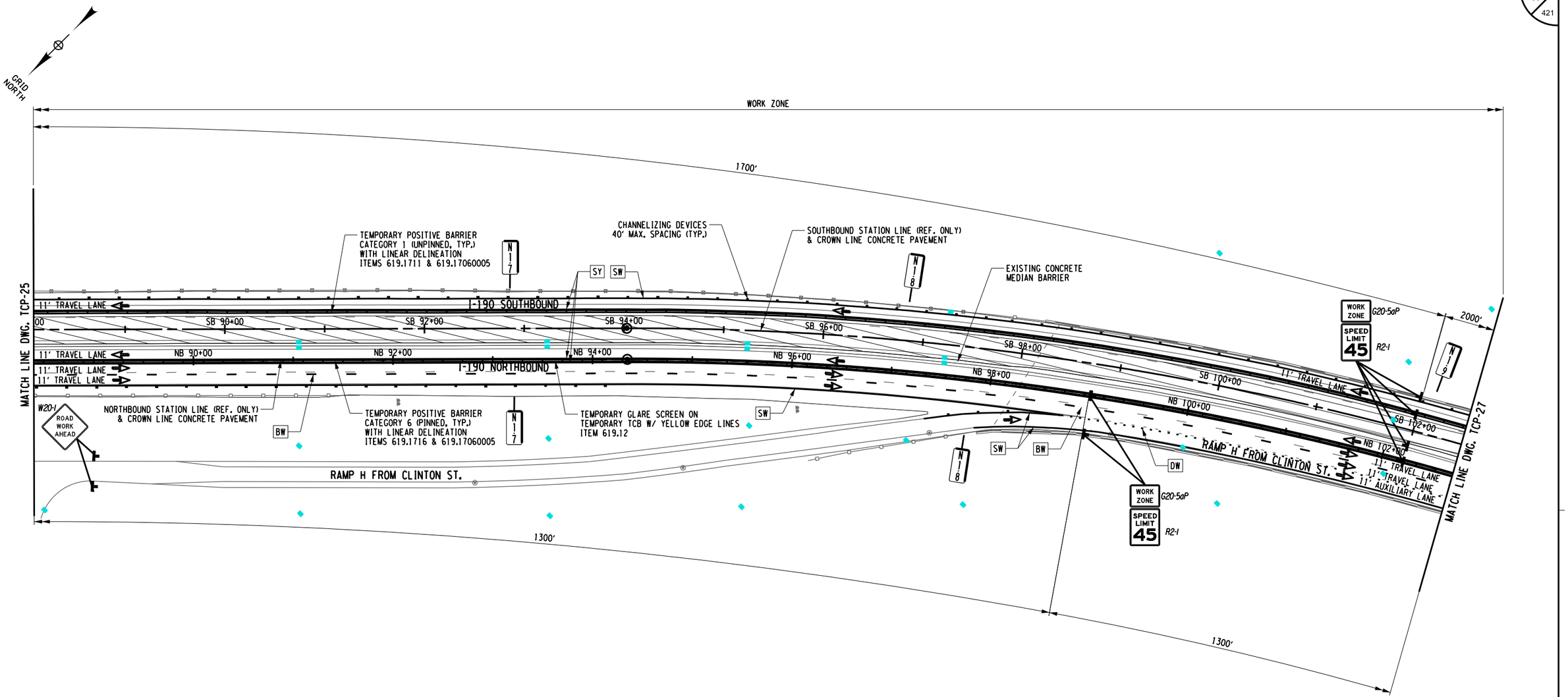
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1616 · www.chacobinns.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-25

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

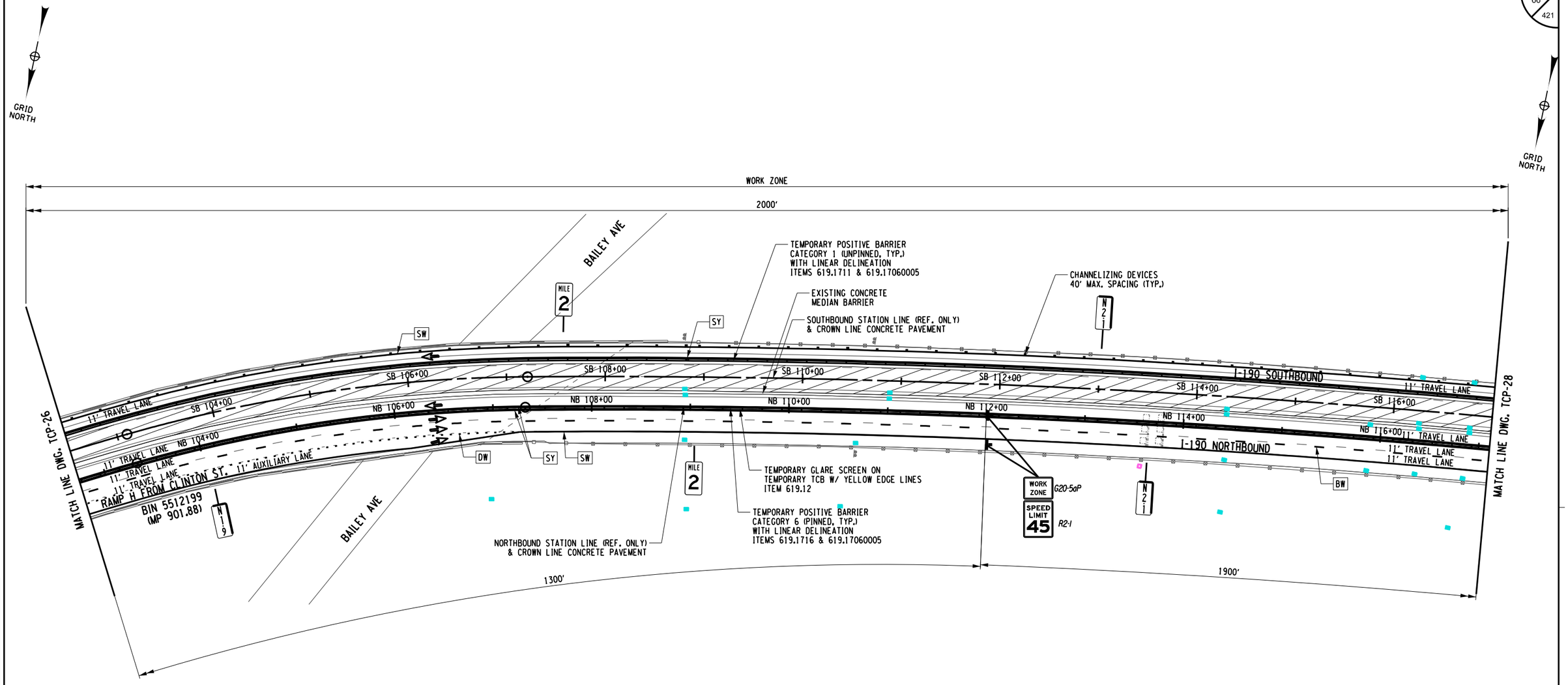
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-26

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

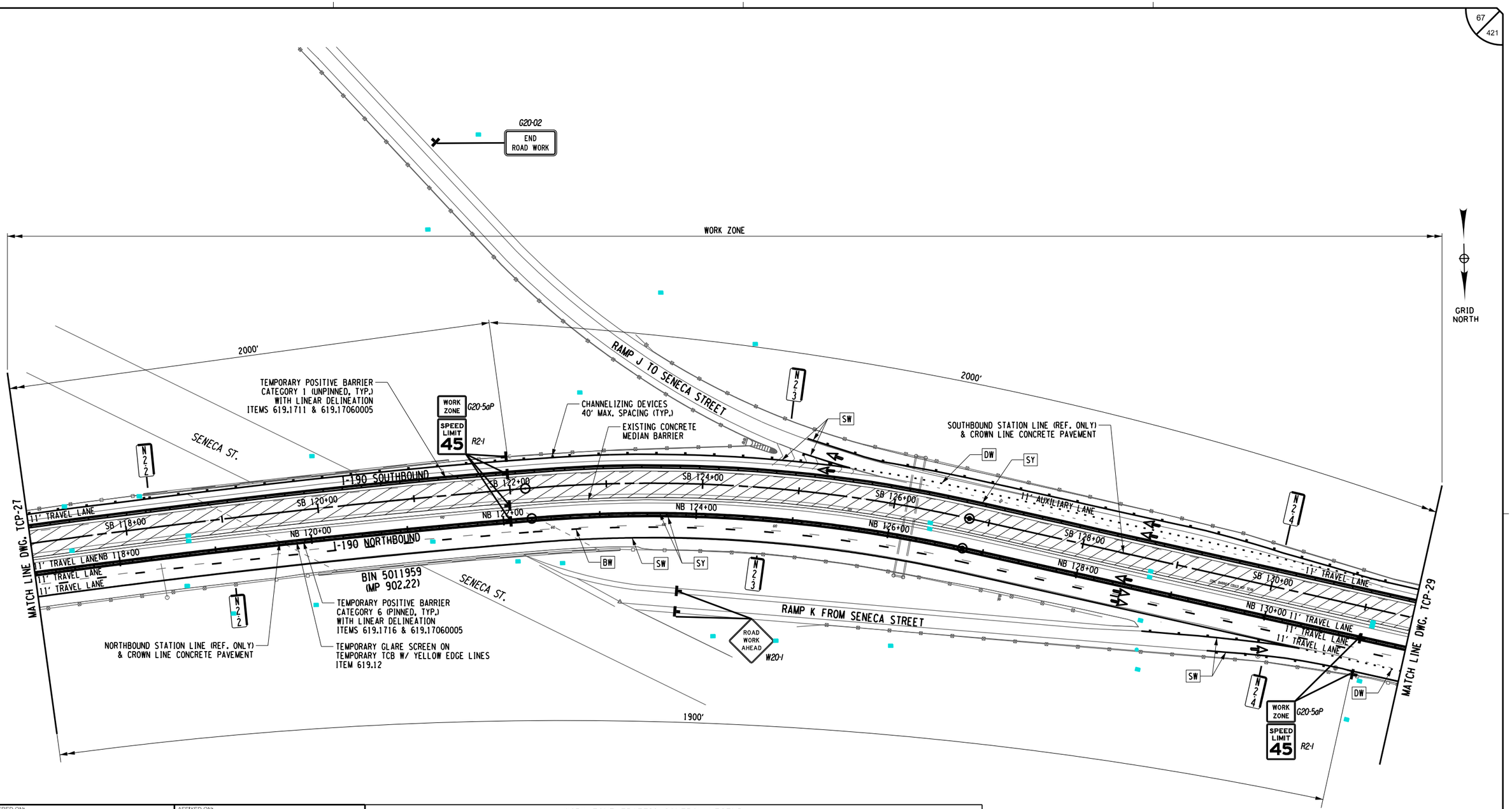
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobldms.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-27

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

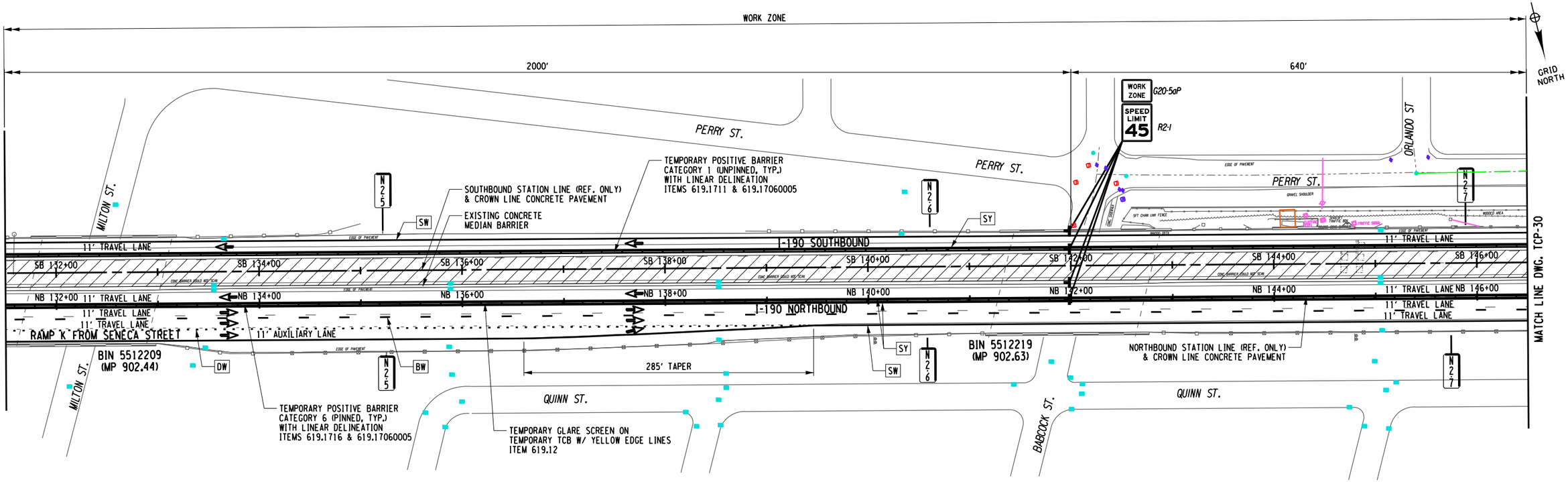
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3.6500 · www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-28



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

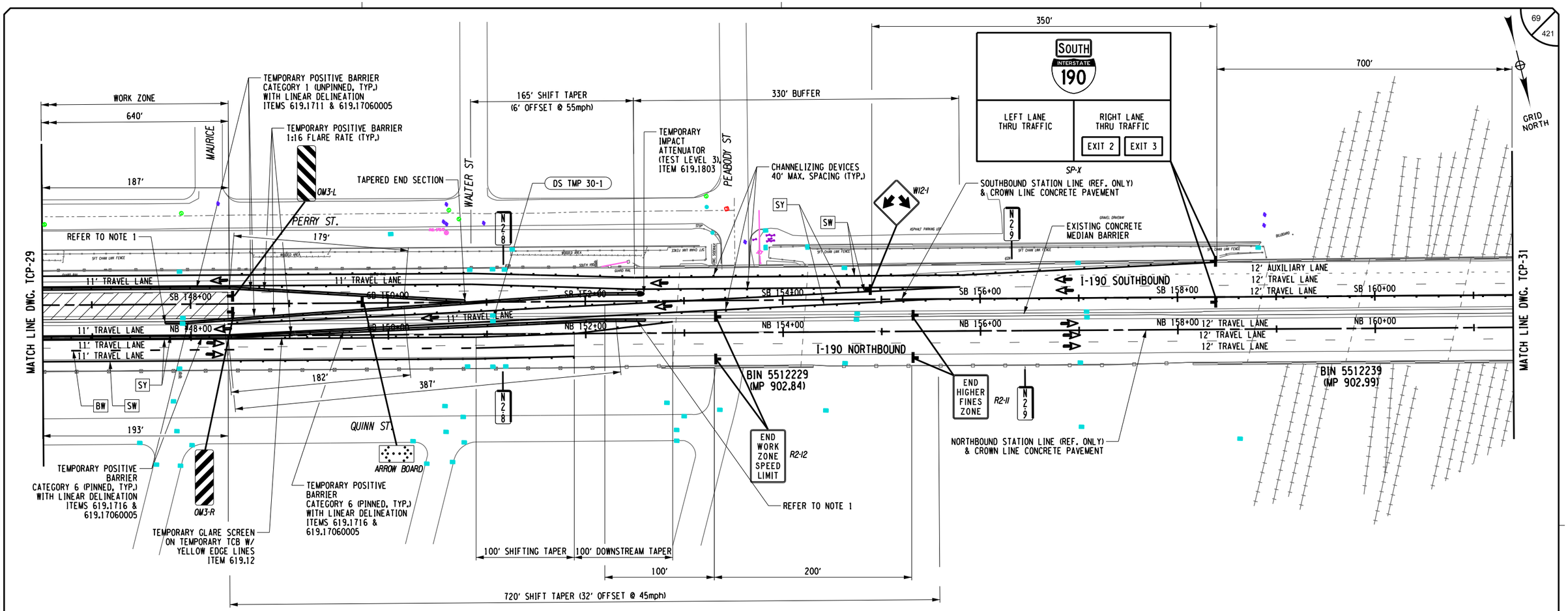
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-29



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

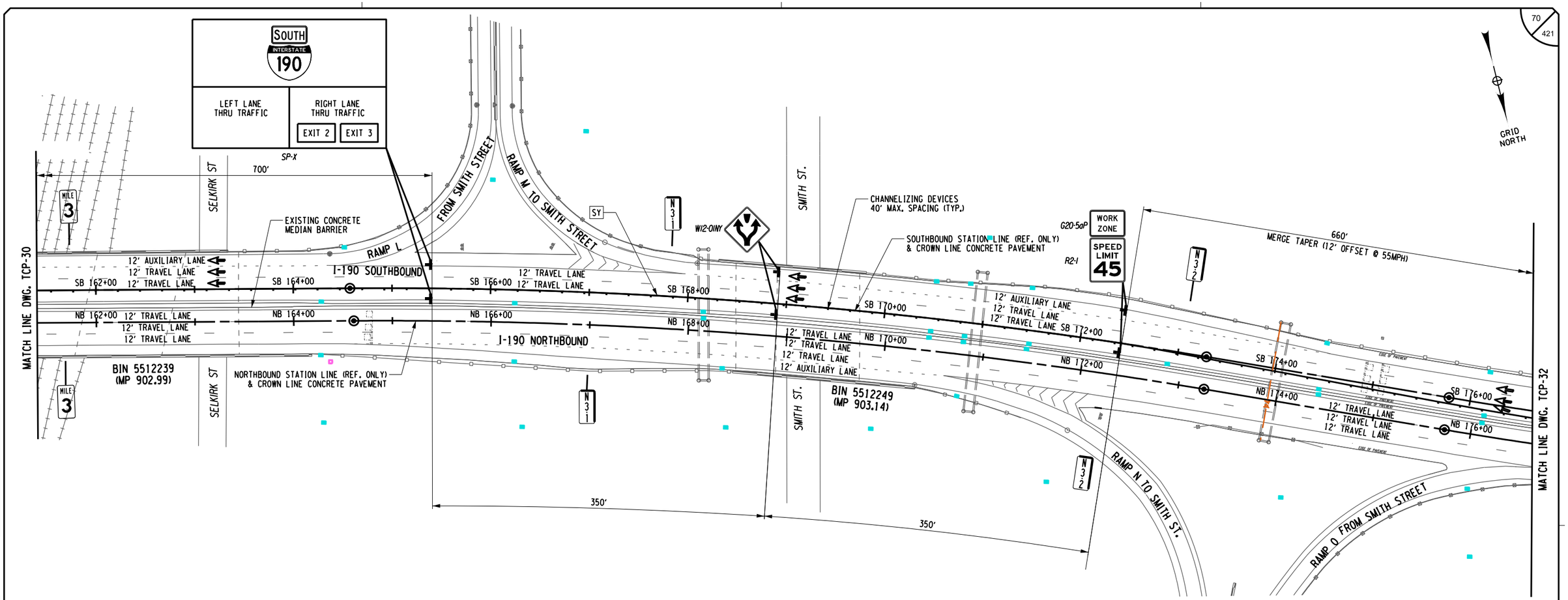
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobldms.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-30



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

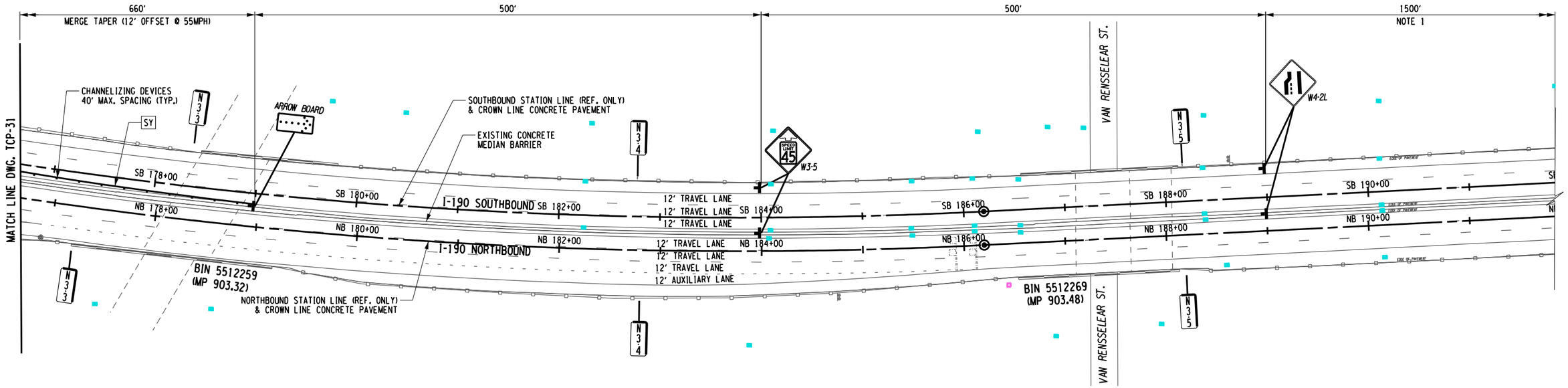
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-31

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

GRID NORTH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR · LICENSED

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

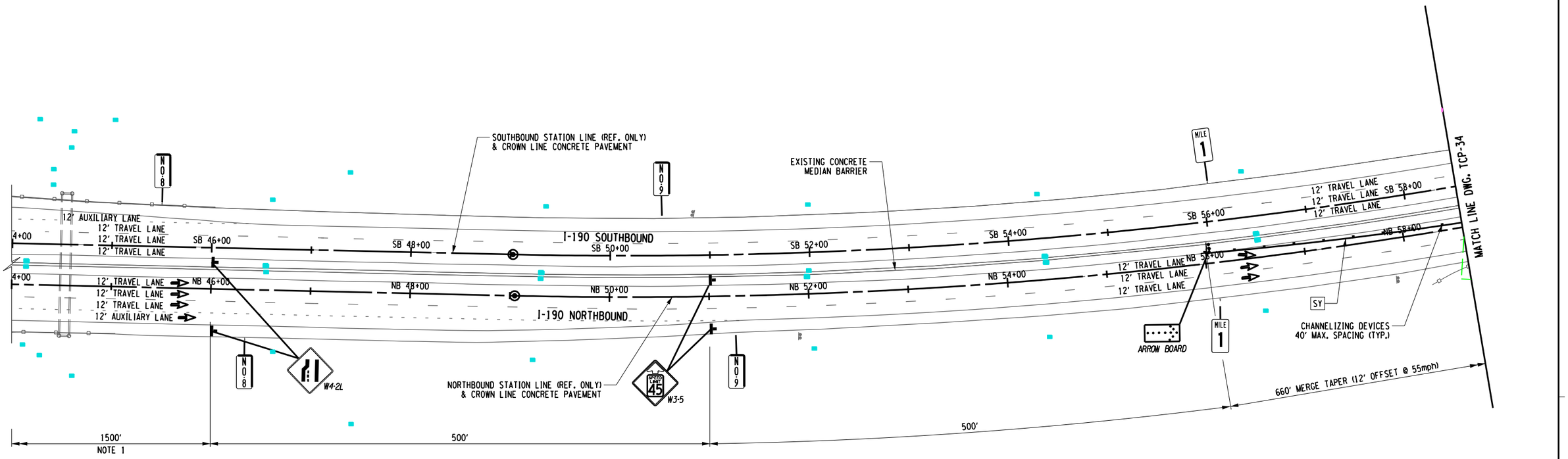
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-32



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

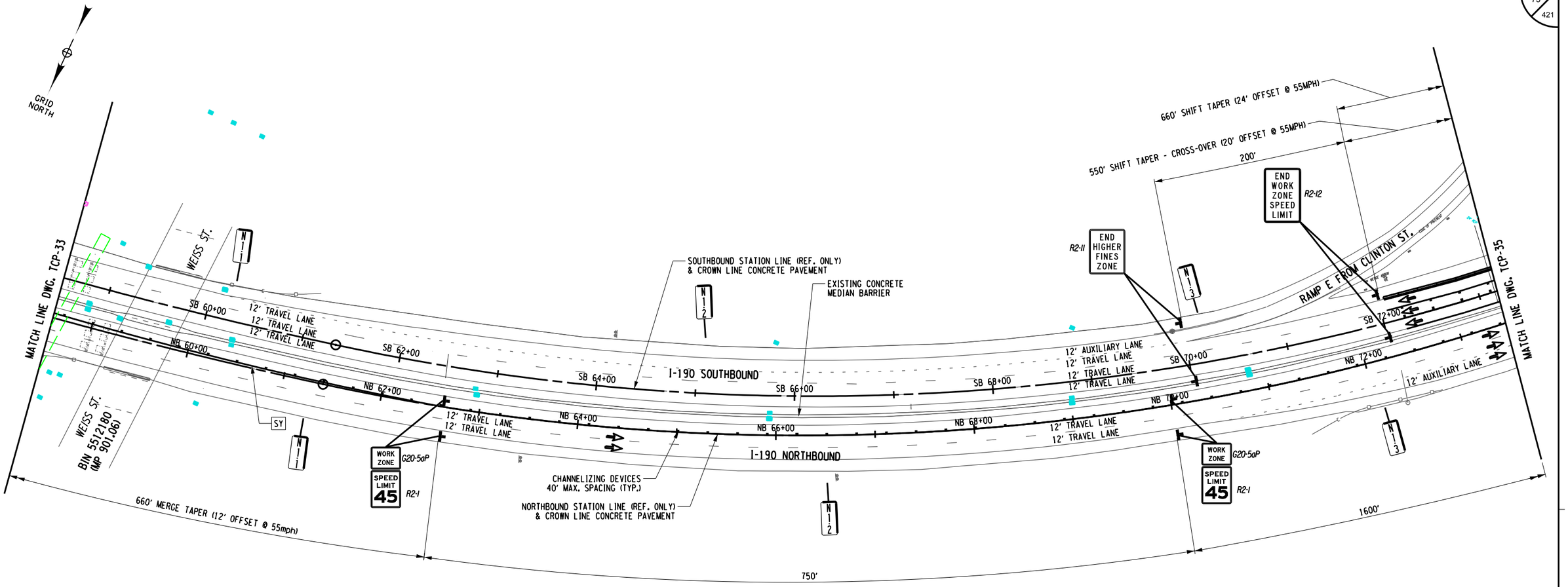
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3.6500 · www.chacbl&fms.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-33



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

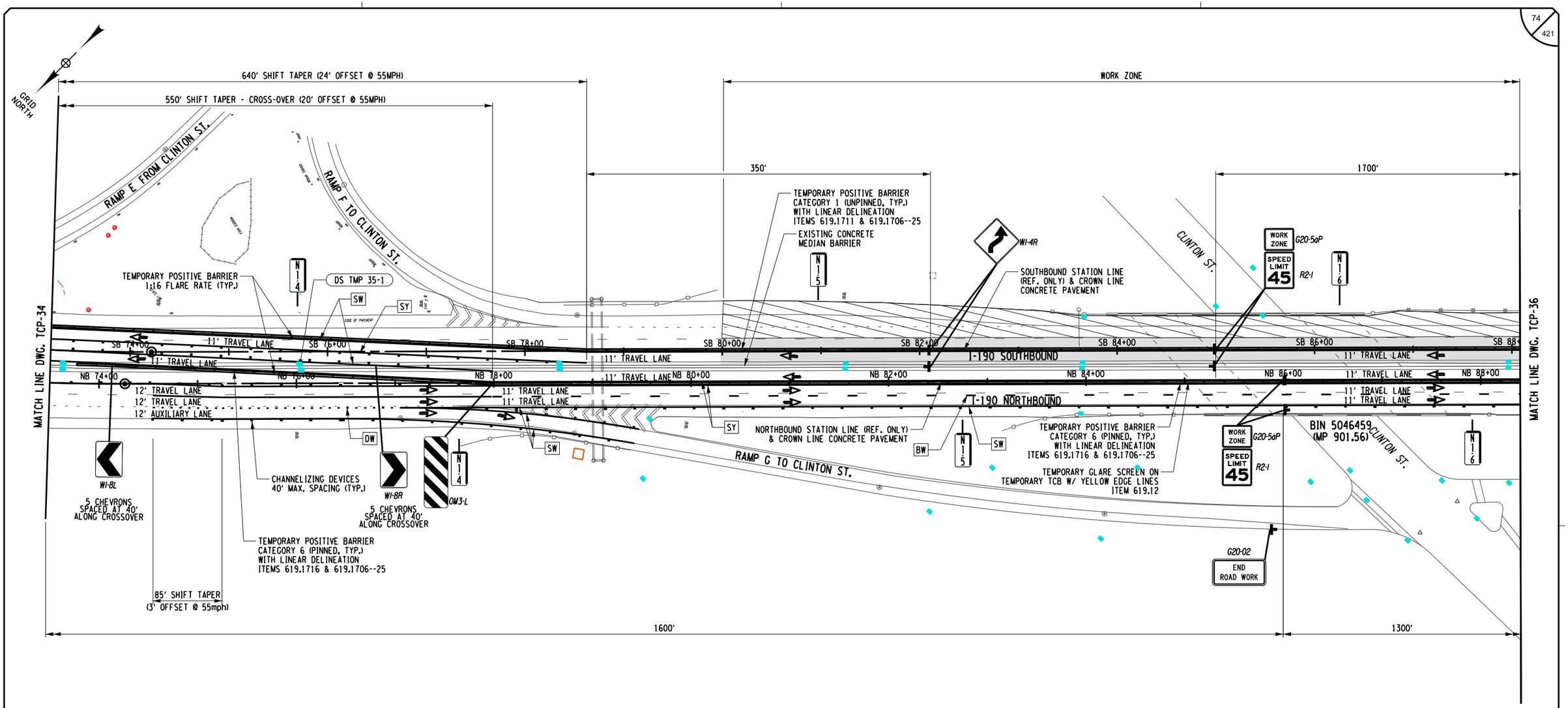
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-34



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

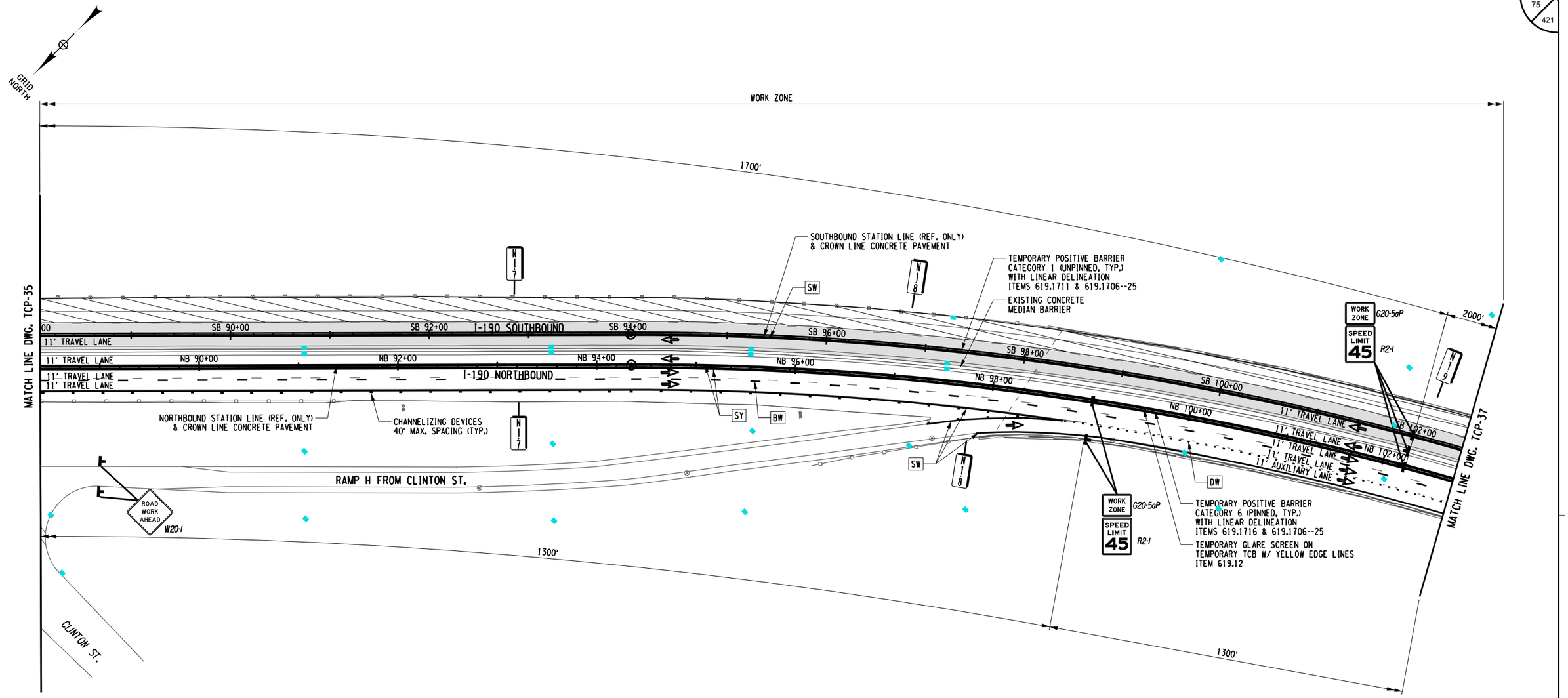
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-35

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

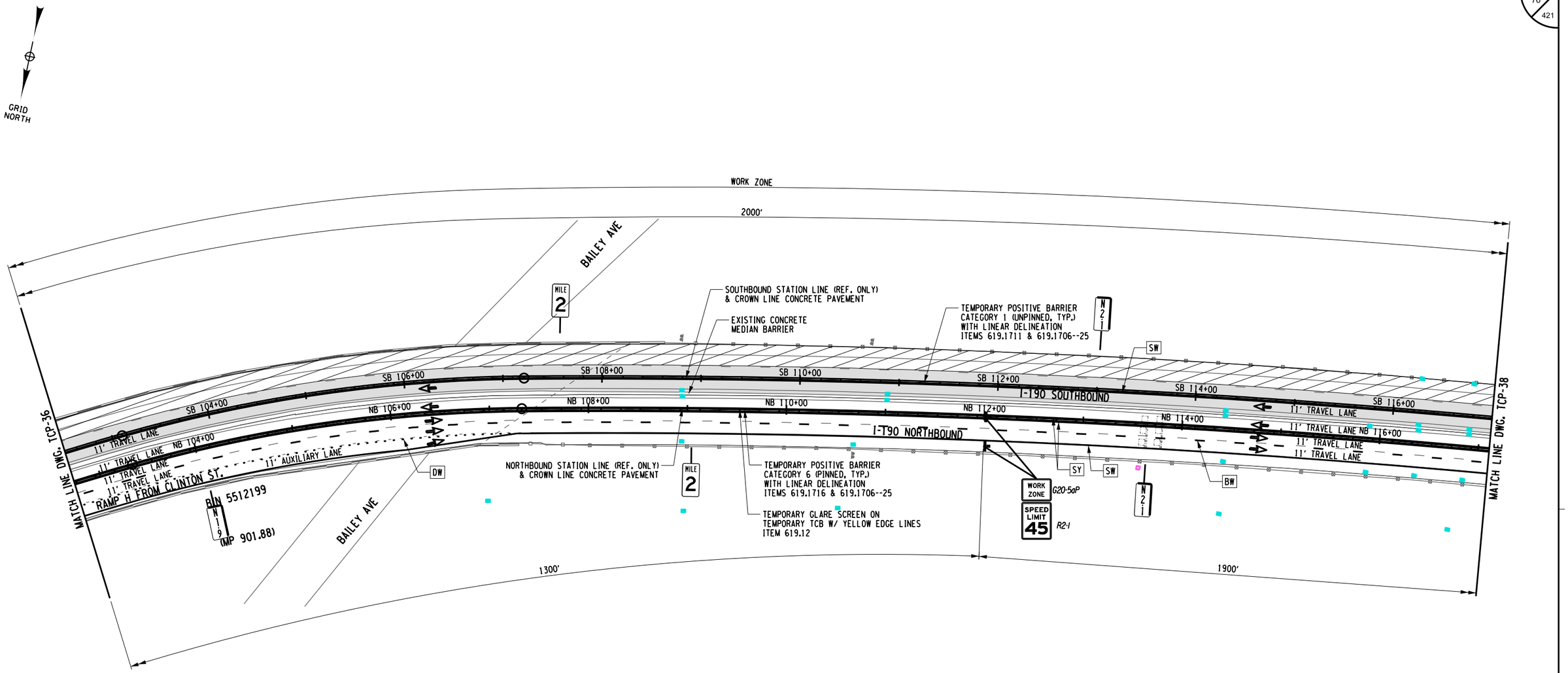
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-36

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

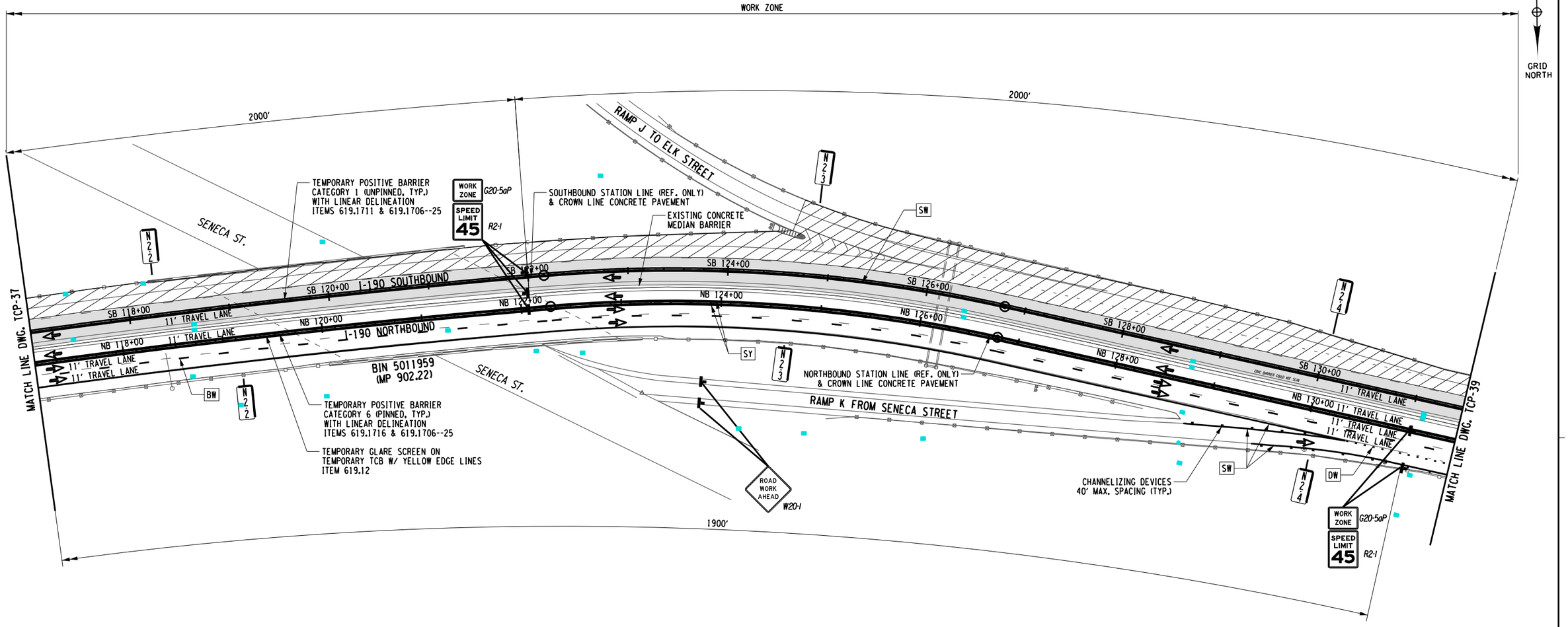
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-37



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

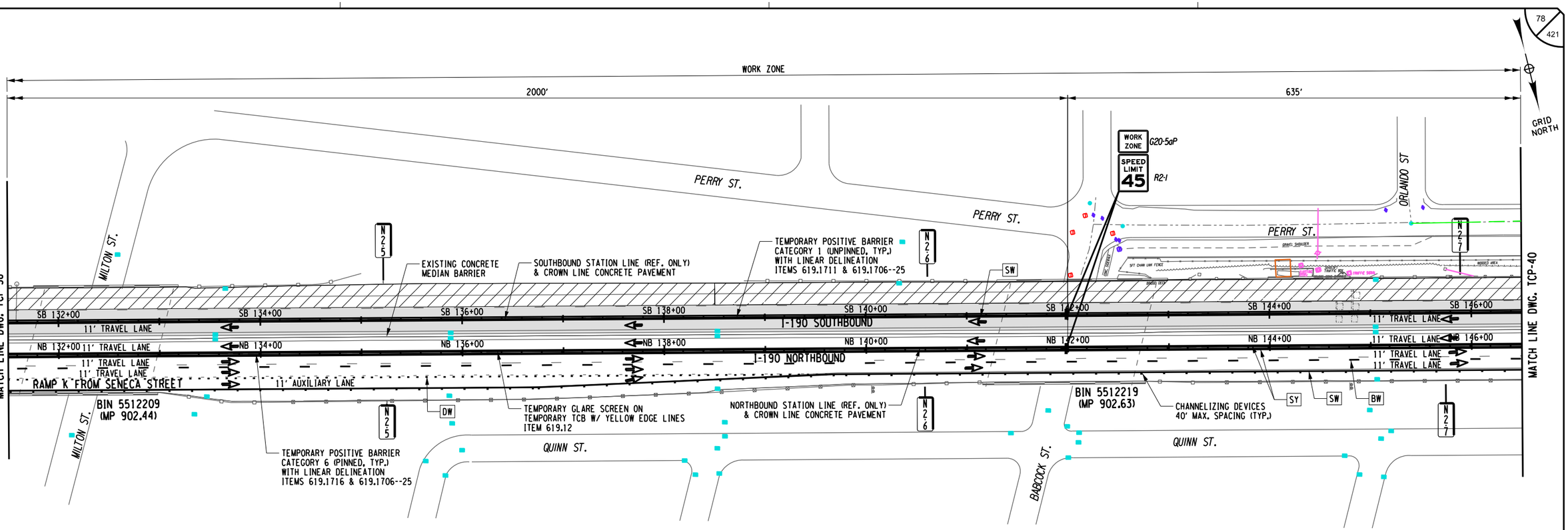
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacalibrations.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-38



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

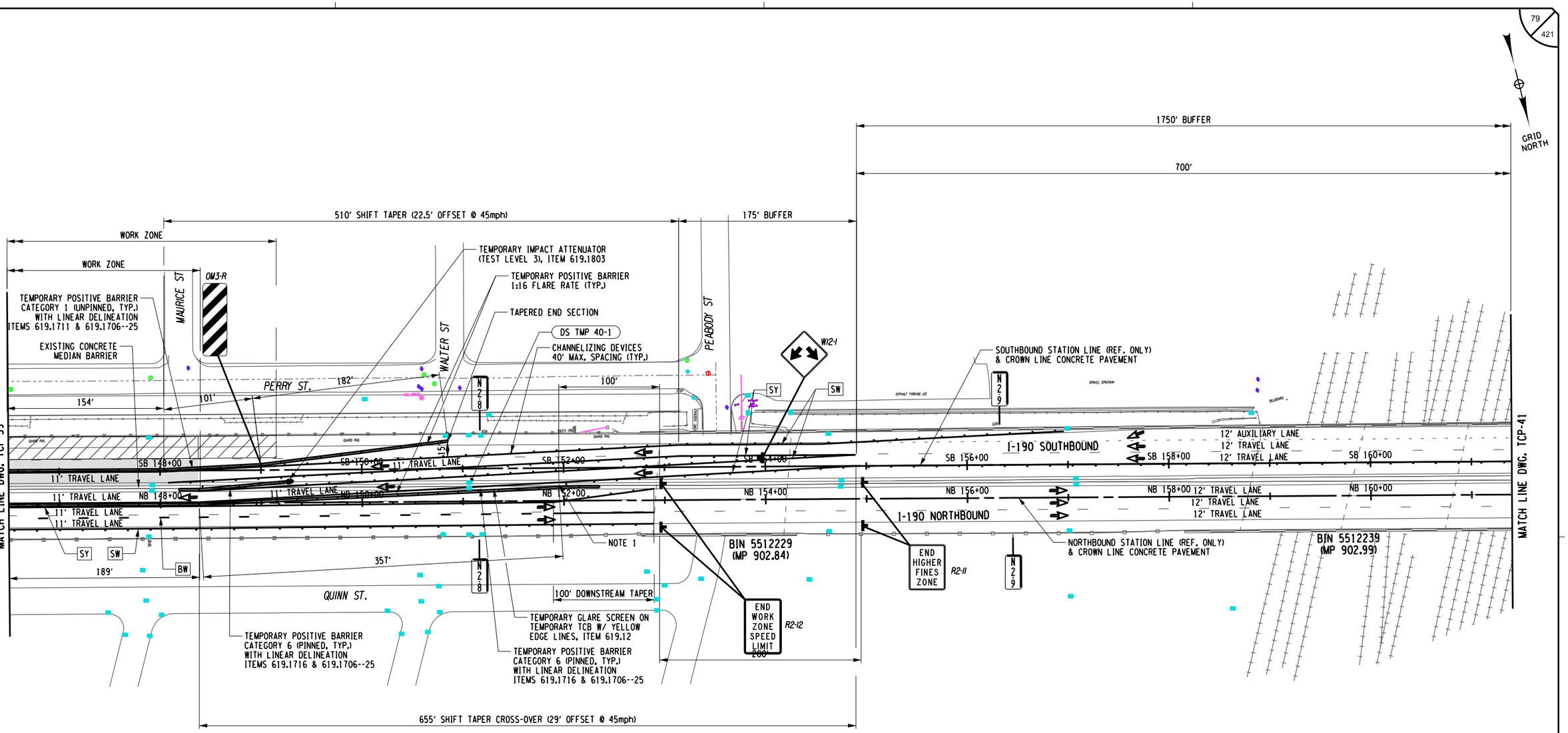
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-39

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

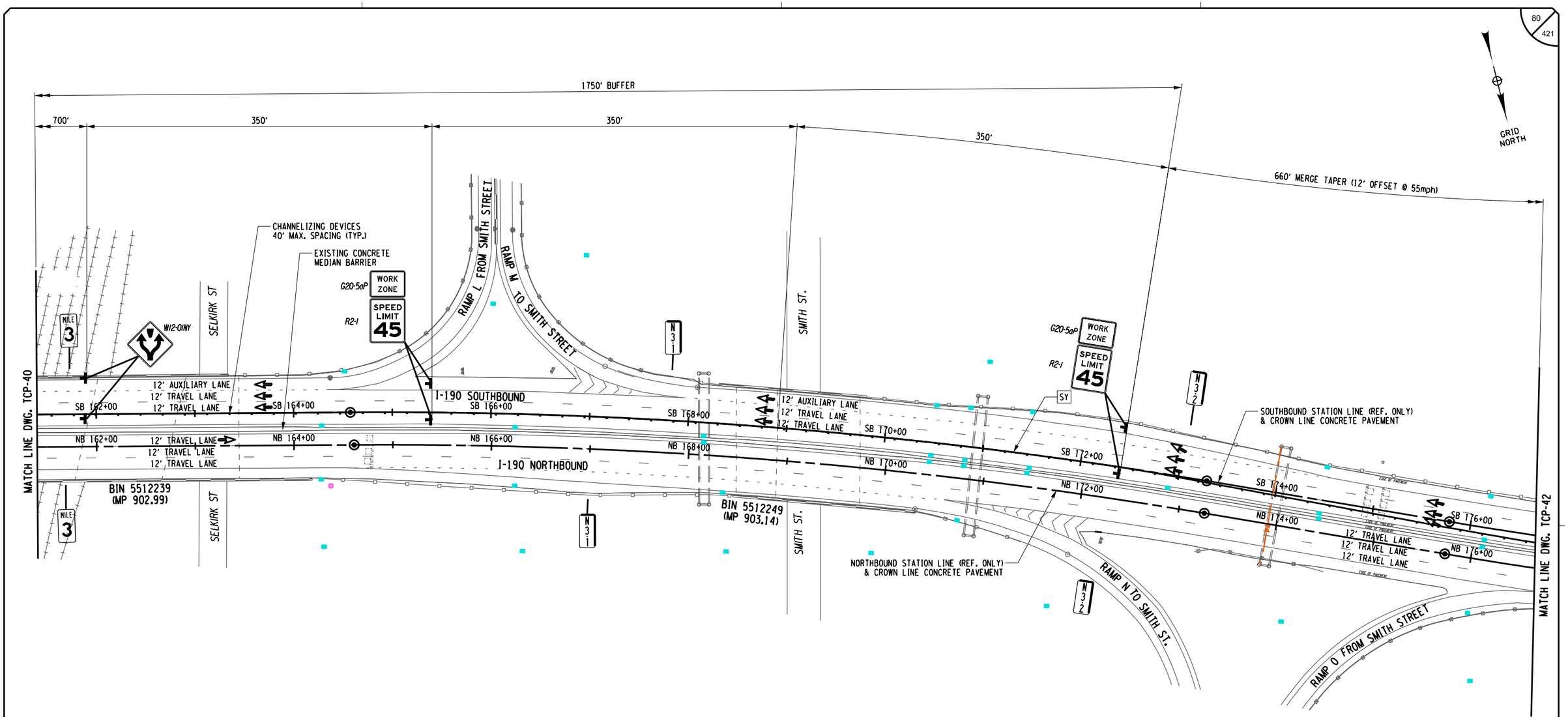
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-40



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

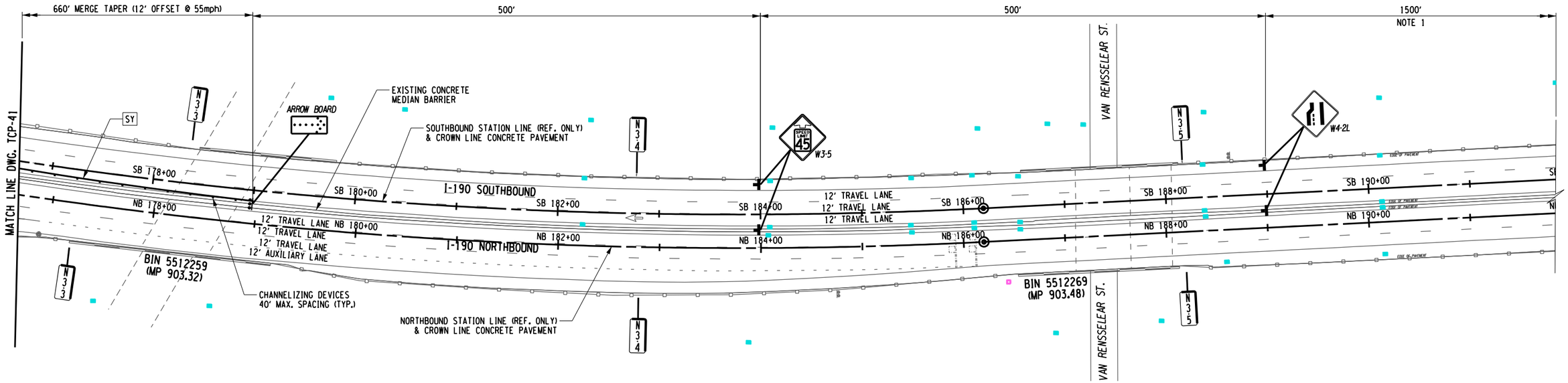
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1434 · www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-41

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

GRID NORTH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · 092577 · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. THE ADVANCE WARNING SINGS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

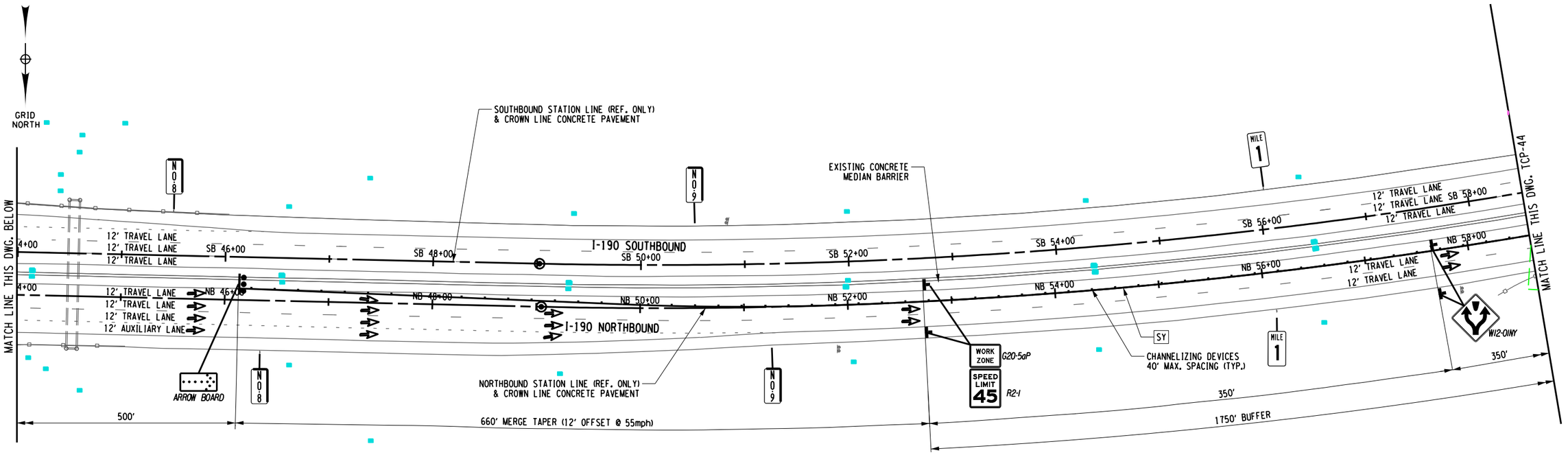
NEW YORK STATE Thruway Authority

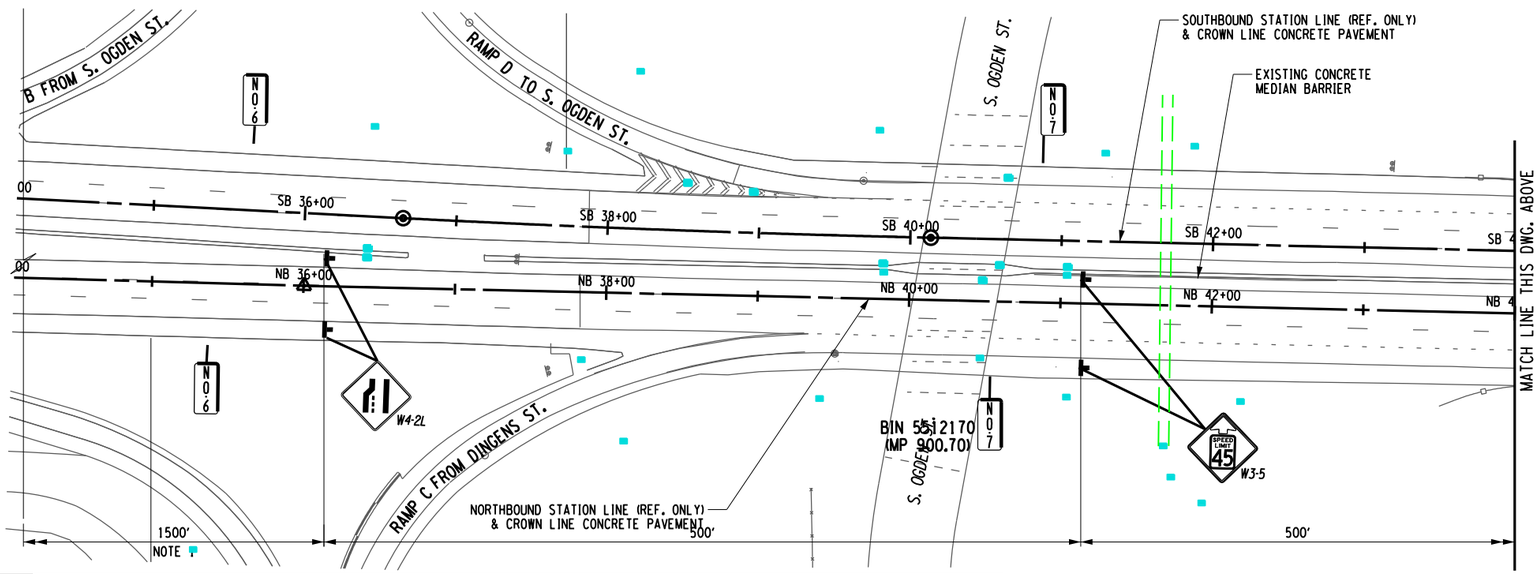
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 2/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-42

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH





ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
EXCELSIOR
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

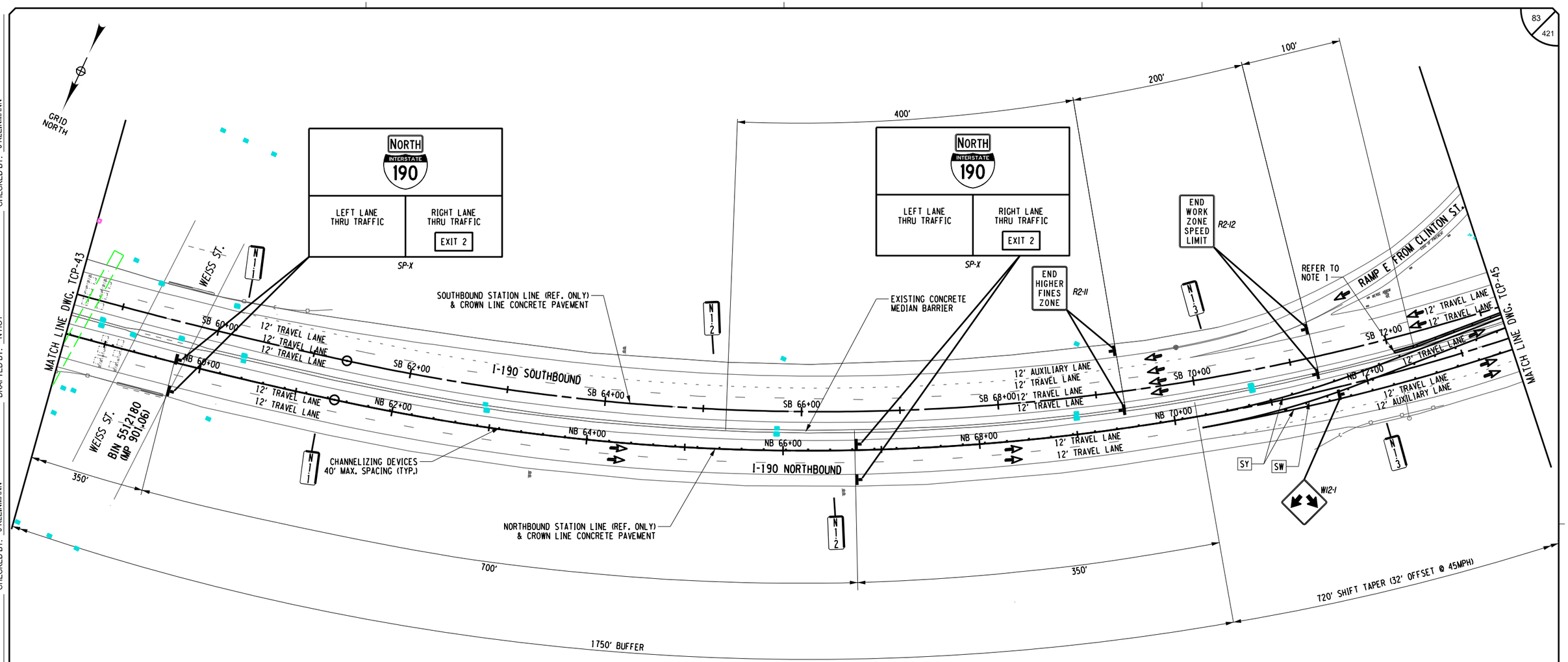
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-43



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

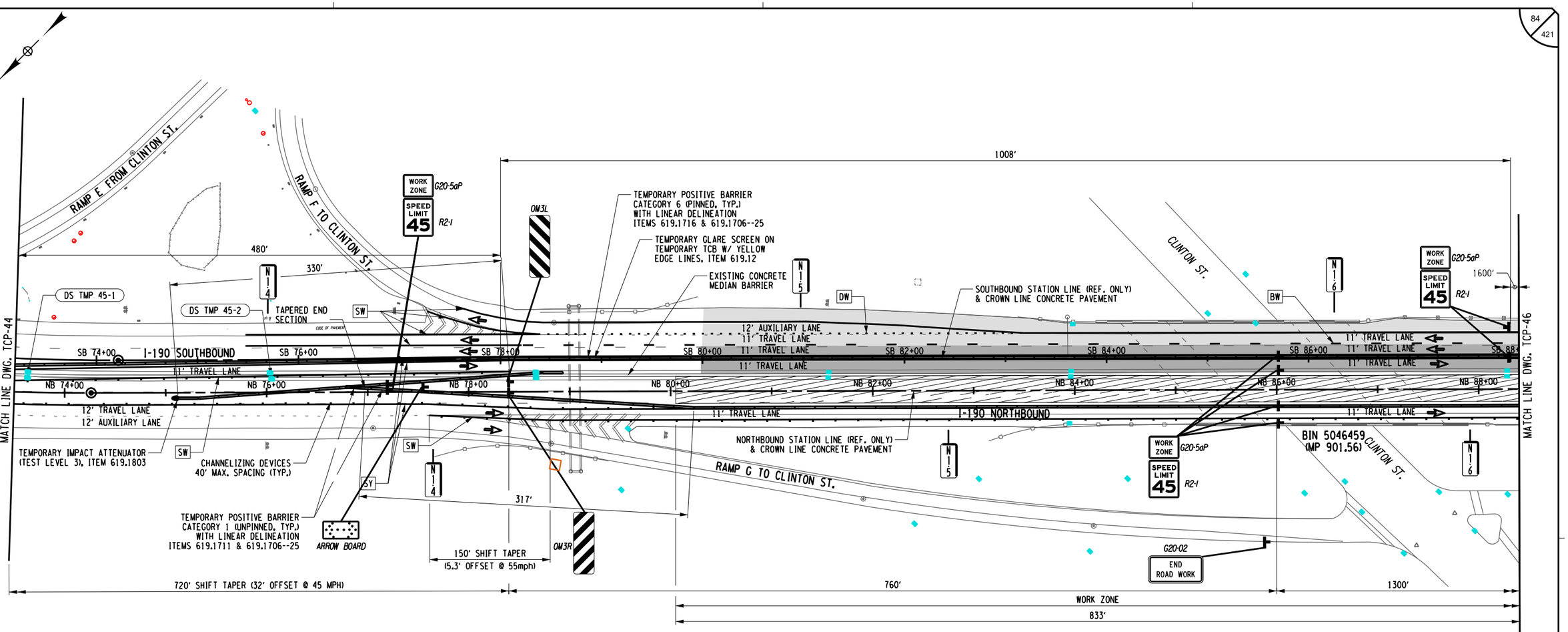
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-44

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

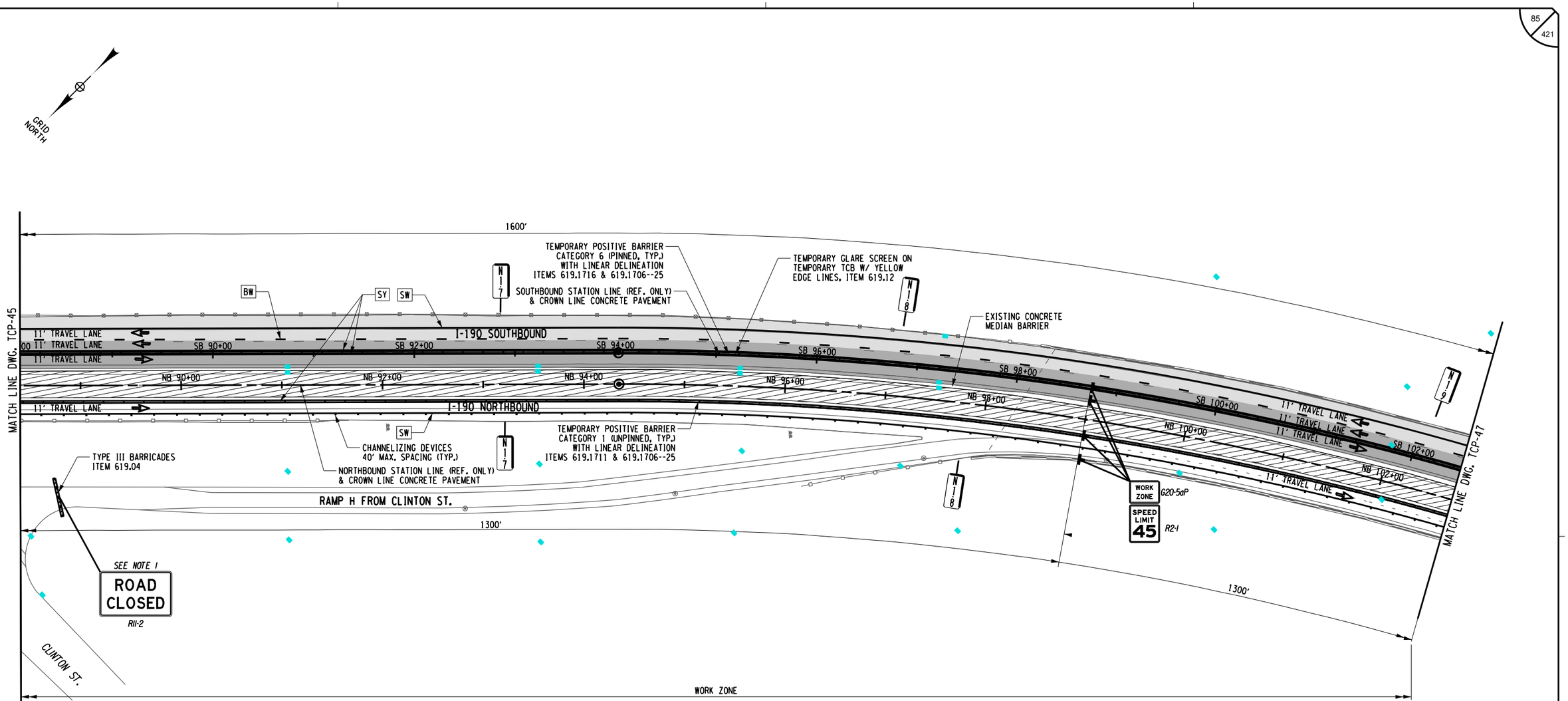
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-45

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

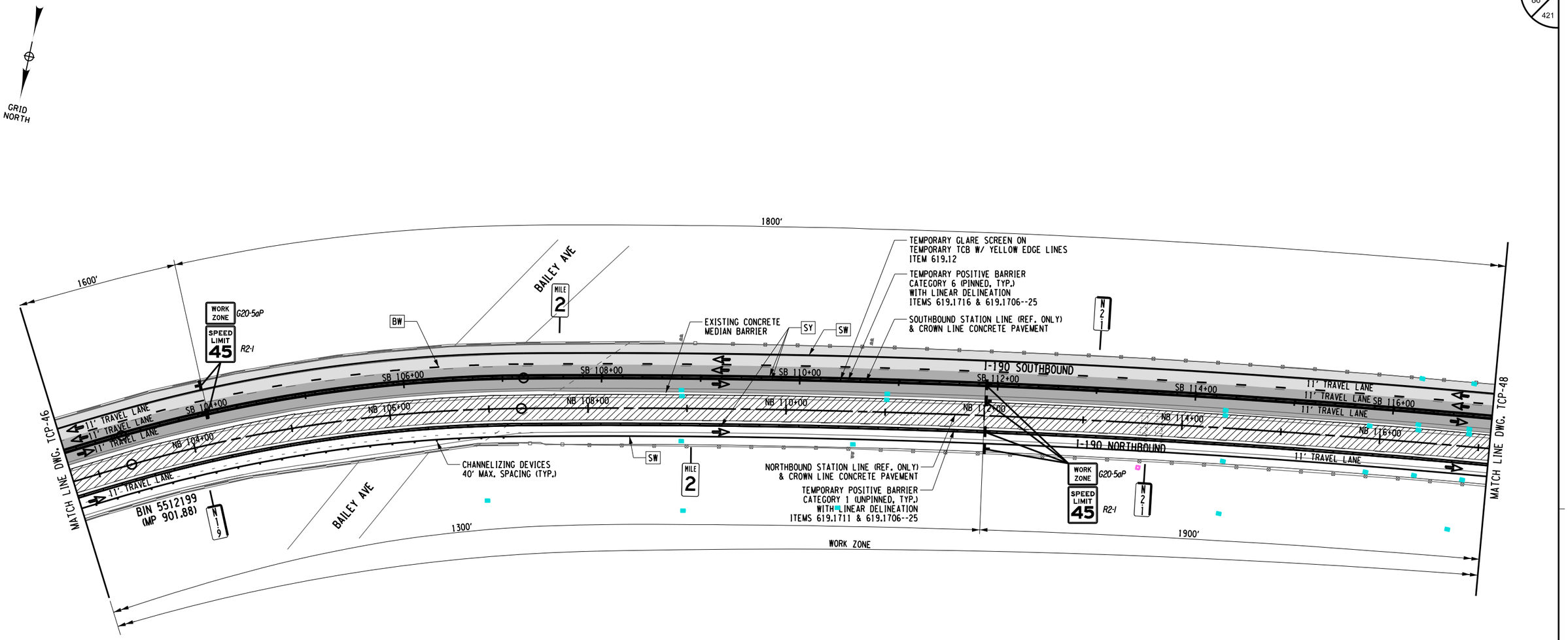
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-46

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

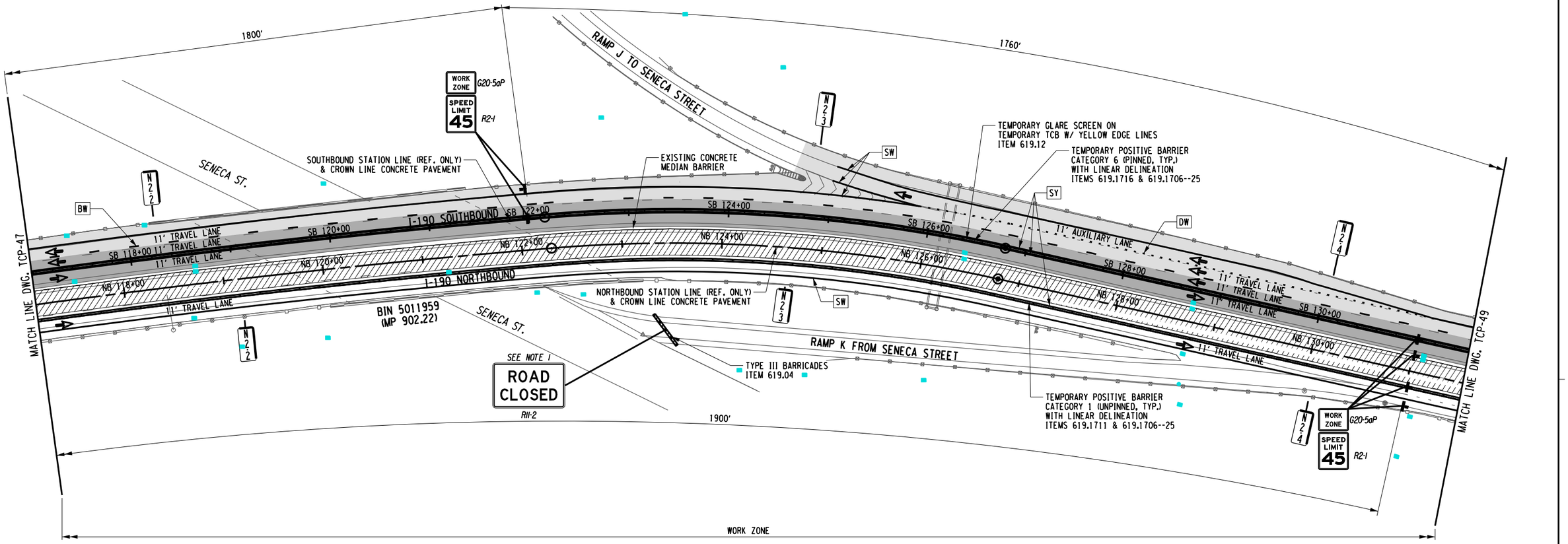
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobleills.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-47

GRID NORTH



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. SEE CPTCP-8 FOR INT 3 NB ON-RAMP DETOUR AND DETOUR SIGNAGE.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

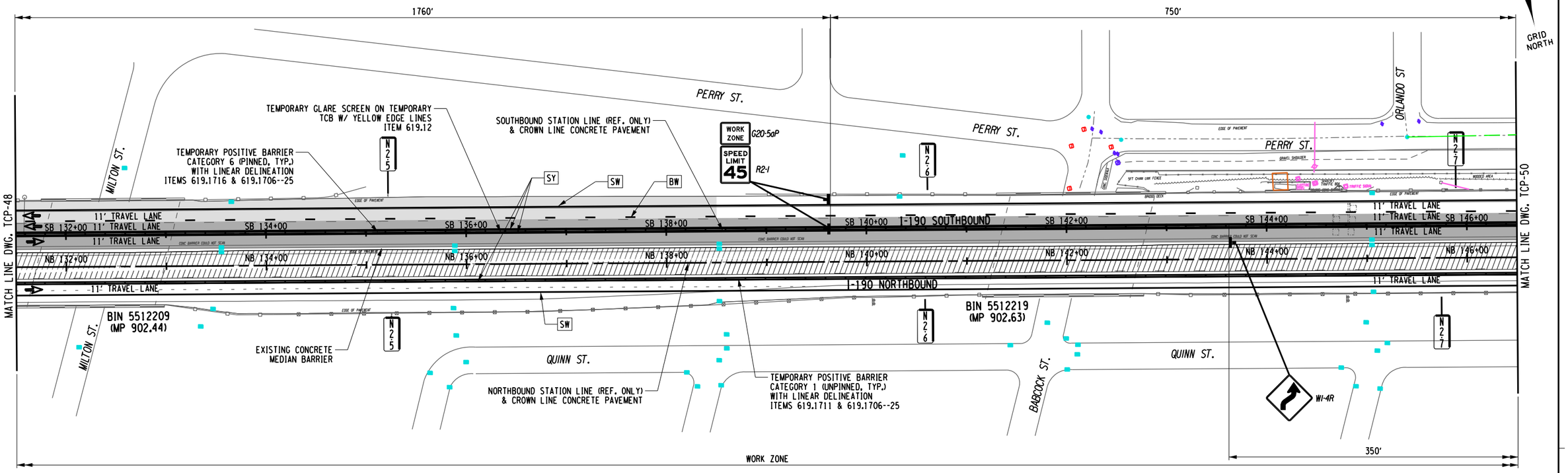
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3.6500 · www.chacobleams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-48



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

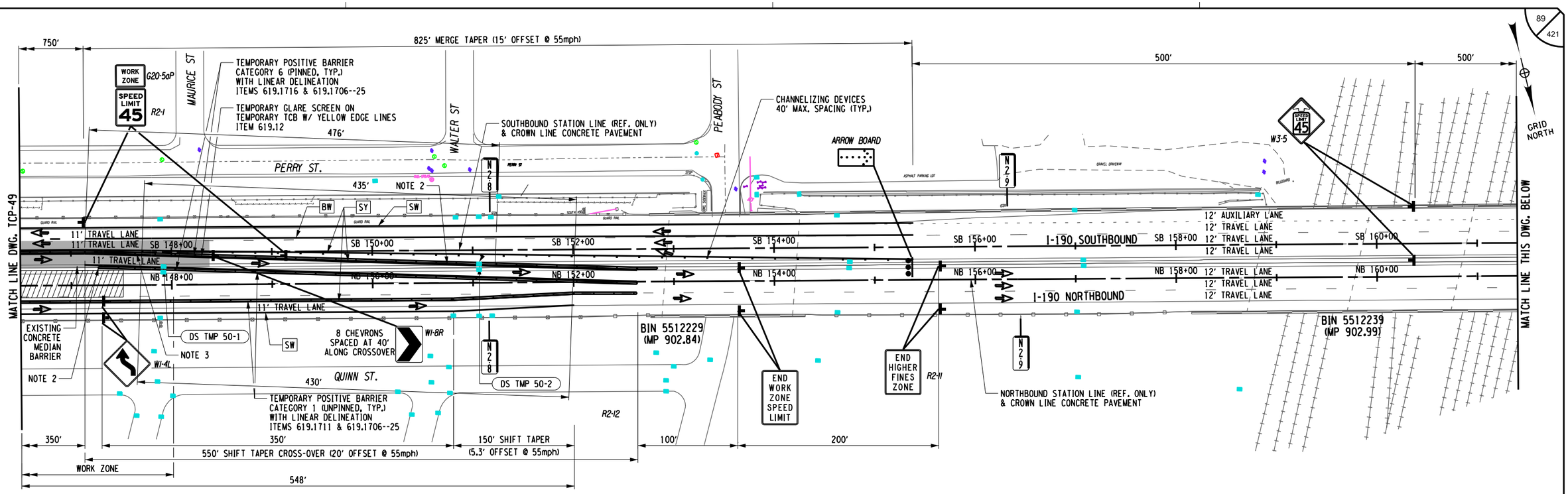
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-49



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.
2. TPB SHALL ORIGINATE AND BE TERMINATED BEHIND THE EXISTING MEDIAN BARRIER TO REMAIN ON THE NORTHBOUND TRAFFIC SIDE.
3. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

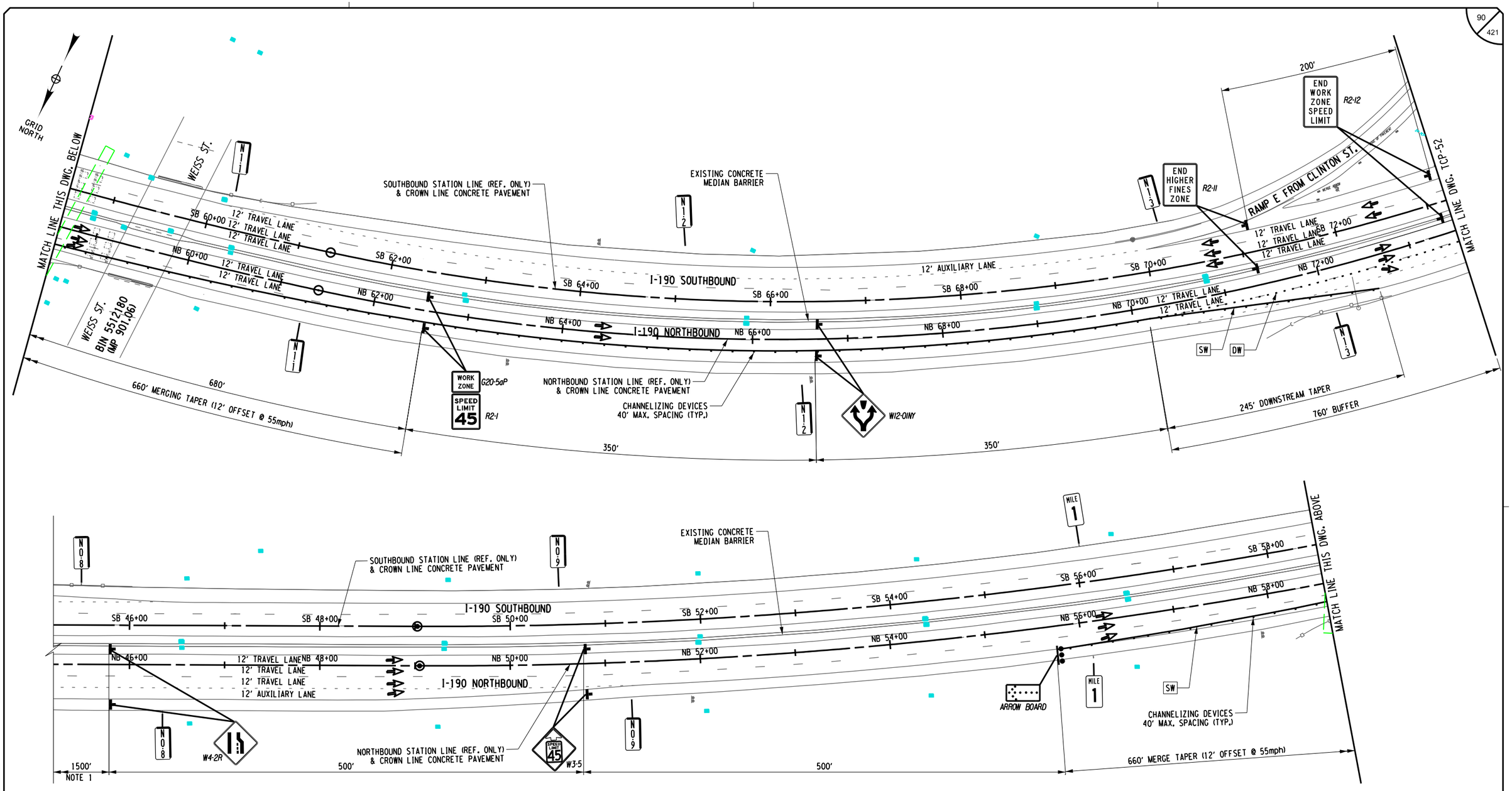
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-50

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2R SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacbuffalo.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

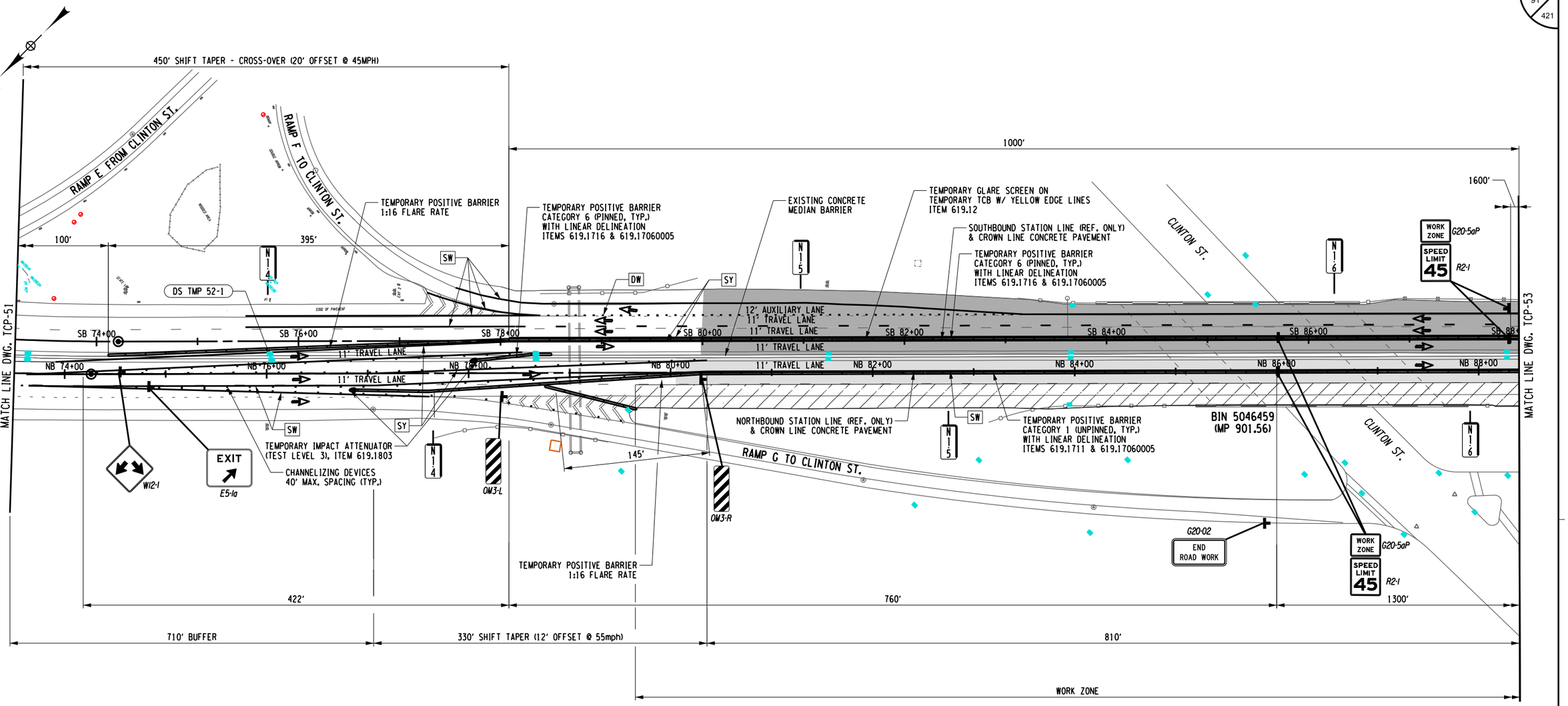
LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
WZTC NORTHBOUND
SECTION 2/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: TCP-51



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

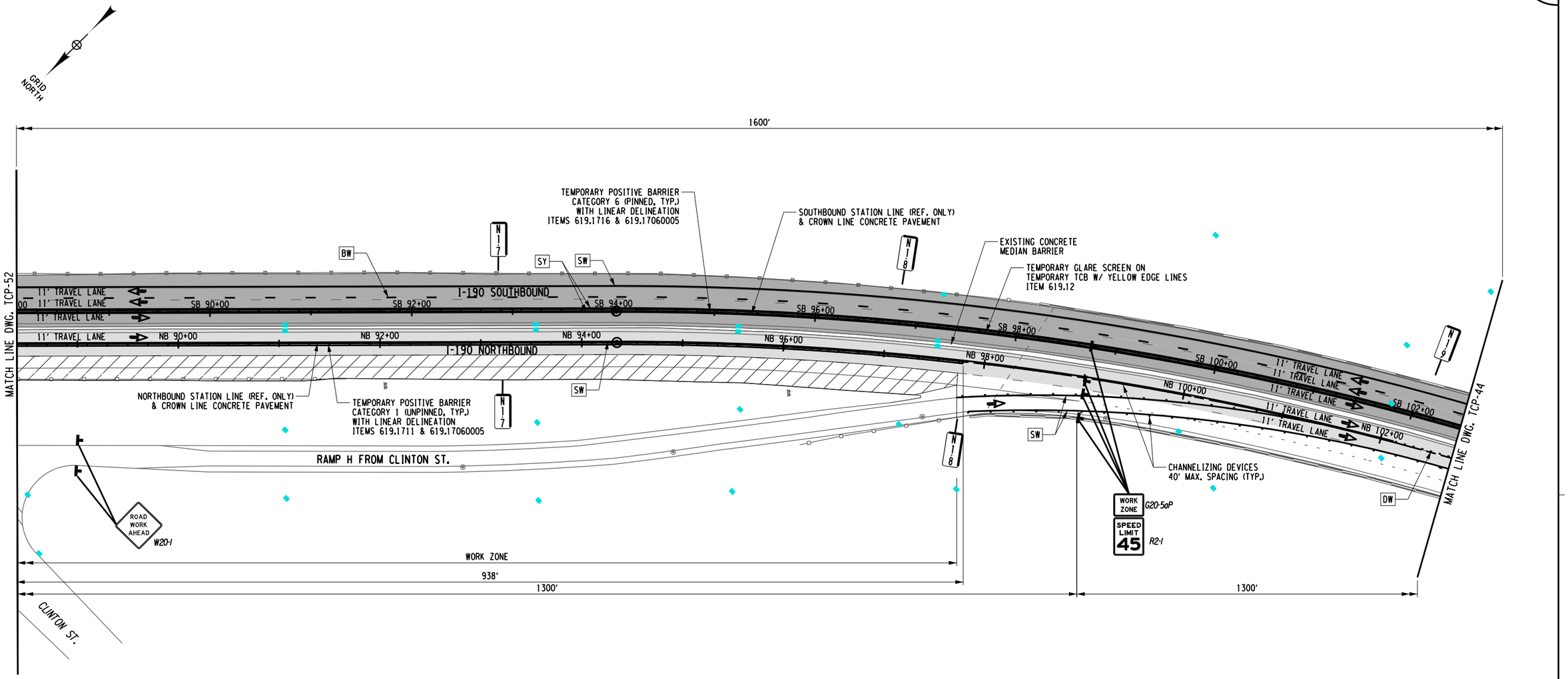
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-52

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

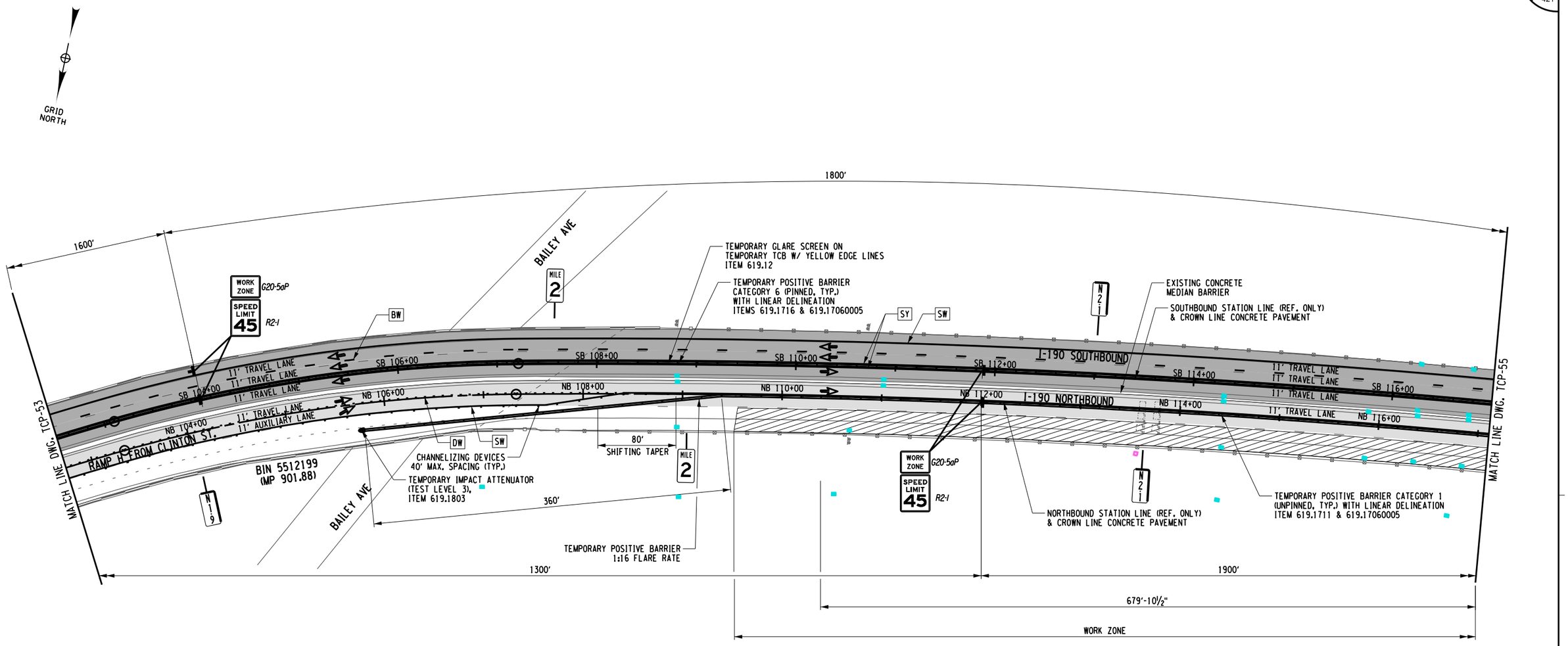
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobinns.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-53

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

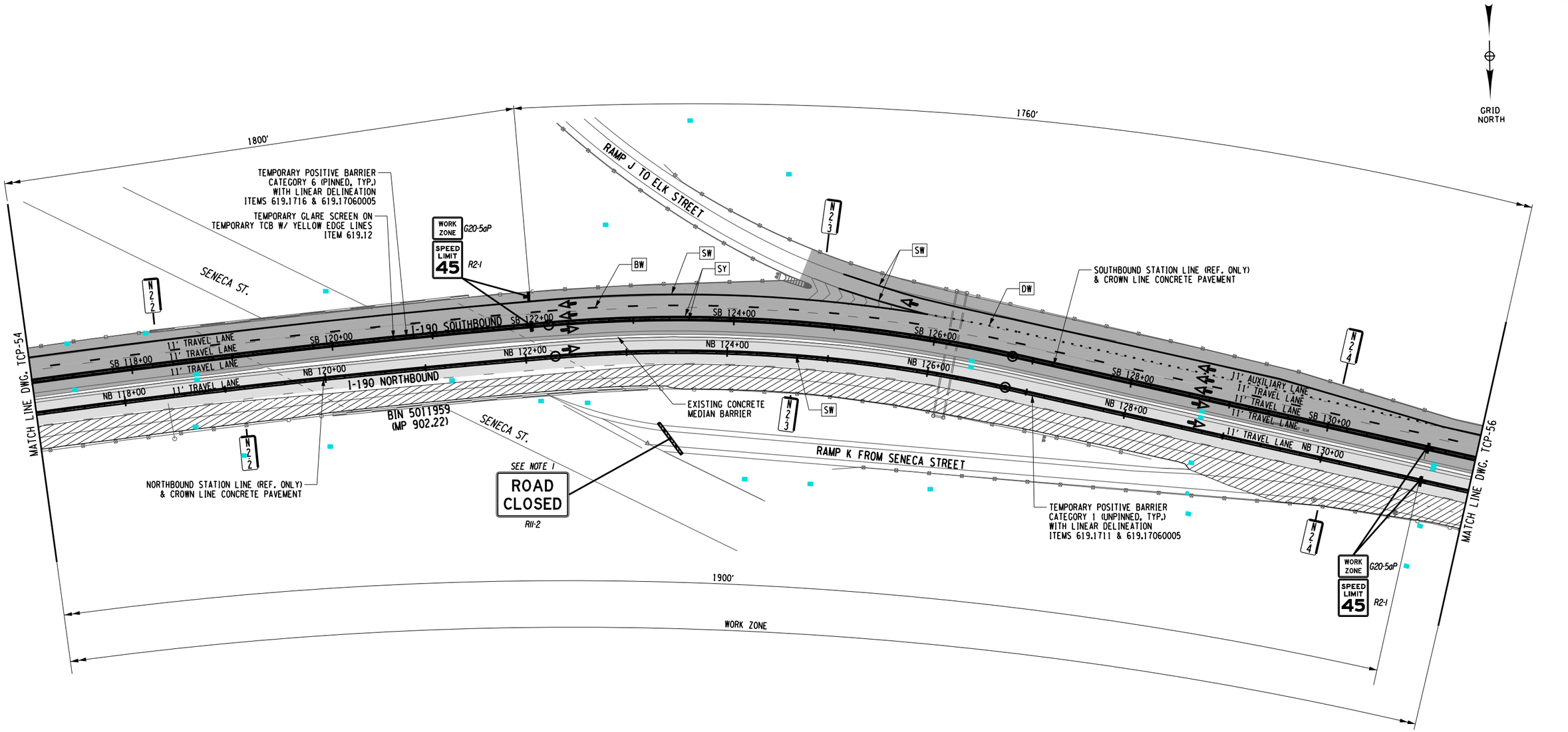
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-54

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 - www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-55

GRID NORTH

1760'

750'

MATCH LINE DWG. TCP-55

MATCH LINE DWG. TCP-57

PERRY ST.

MILTON ST.

ORLANDO ST

WORK ZONE G20-5aP

SPEED LIMIT 45 R2-1

SOUTHBOUND STATION LINE (REF. ONLY) & CROWN LINE CONCRETE PAVEMENT

TEMPORARY GLARE SCREEN ON TEMPORARY TCB W/ YELLOW EDGE LINES ITEM 619.12

EXISTING CONCRETE MEDIAN BARRIER

TEMPORARY POSITIVE BARRIER CATEGORY 6 (PINNED, TYP.) WITH LINEAR DELINEATION ITEMS 619.1716 & 619.17060005

BW

SY

SW

N 25

N 26

N 27

SB 132+00

SB 134+00

SB 136+00

SB 138+00

SB 140+00

SB 142+00

SB 144+00

SB 146+00

11' TRAVEL LANE

I-190 SOUTHBOUND

NB 132+00

NB 134+00

NB 136+00

NB 138+00

NB 140+00

NB 142+00

NB 144+00

NB 146+00

I-190 NORTHBOUND

RAMP K FROM SENECA STREET

BIN 5512209
(MP 902.44)

BIN 5512219
(MP 902.63)

TEMPORARY POSITIVE BARRIER CATEGORY 1 (UNPINNED, TYP.) WITH LINEAR DELINEATION ITEMS 619.1711 & 619.17060005

NORTHBOUND STATION LINE (REF. ONLY) & CROWN LINE CONCRETE PAVEMENT

QUINN ST.

BABCOCK ST.

WI-8L
5 CHEVRONS SPACED AT 40' ALONG CROSSOVER

565' SHIFT TAPER CROSS-OVER
(25' OFFSET @ 45mph)

WORK ZONE

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

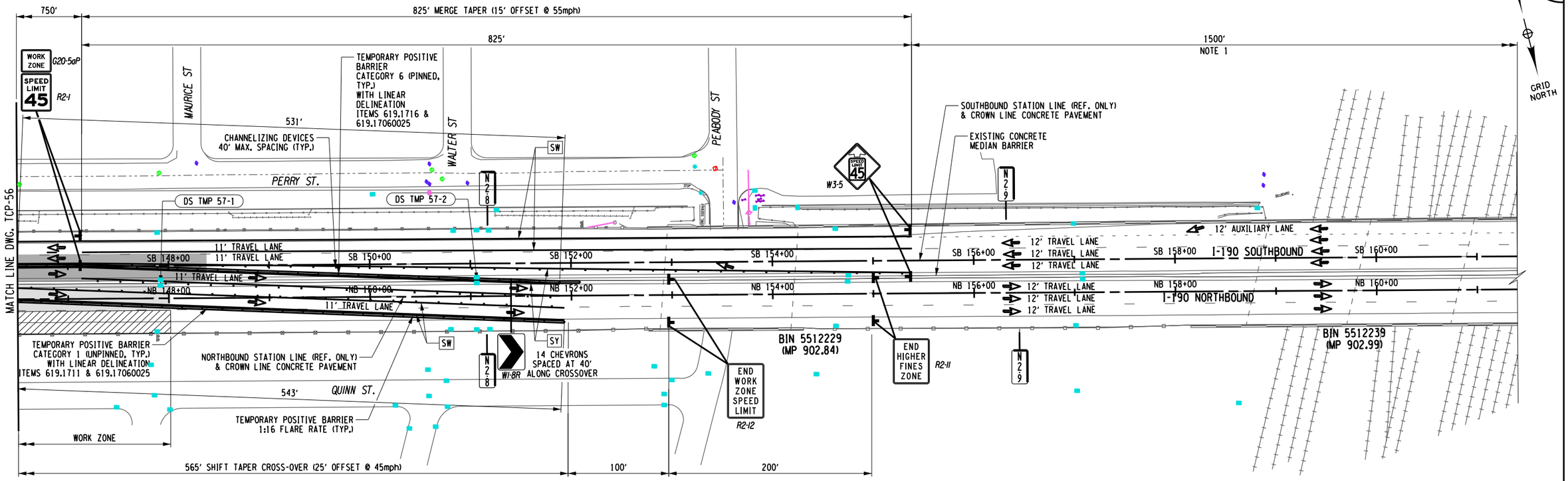
DRAWING NUMBER: TCP-56

CHECKED BY: J KLEINMANN

DRAFTED BY: N HOY

DESIGNED BY: P THOMPSON

DESIGN SUPERVISOR: D MARSH



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W3-5 SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

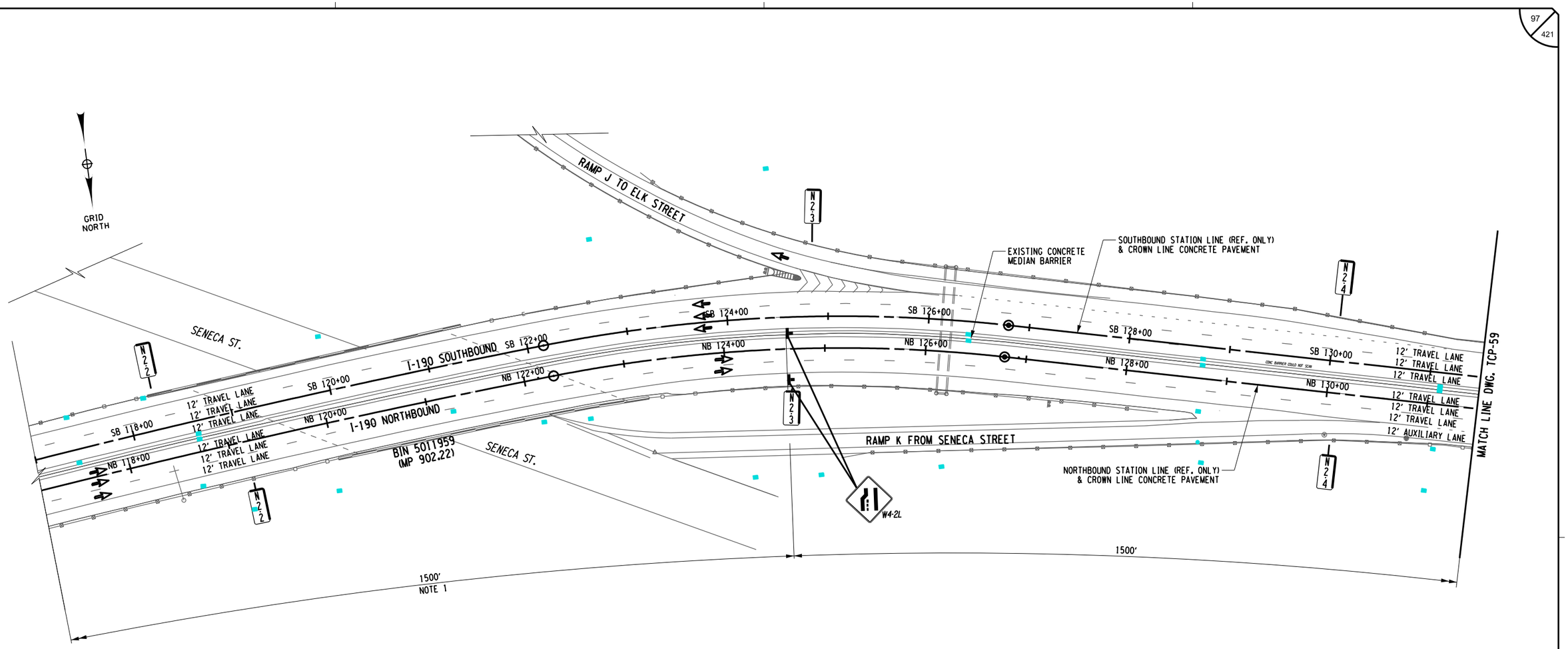
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 2/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-57

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

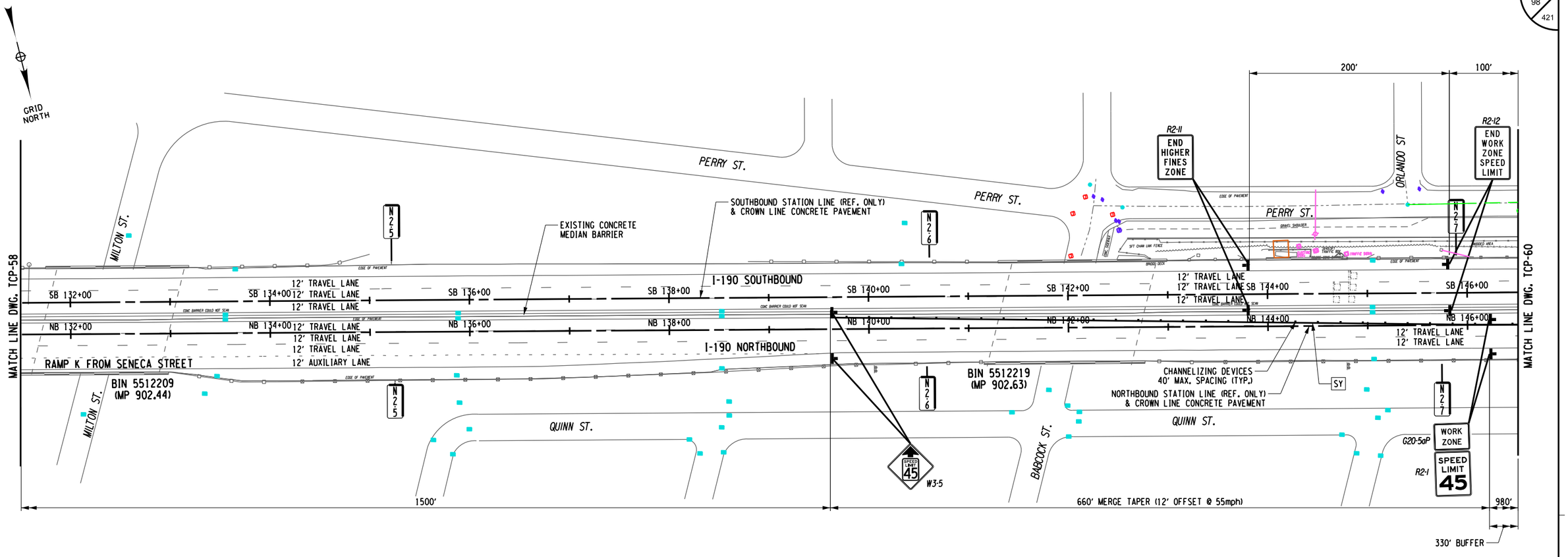
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-58



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

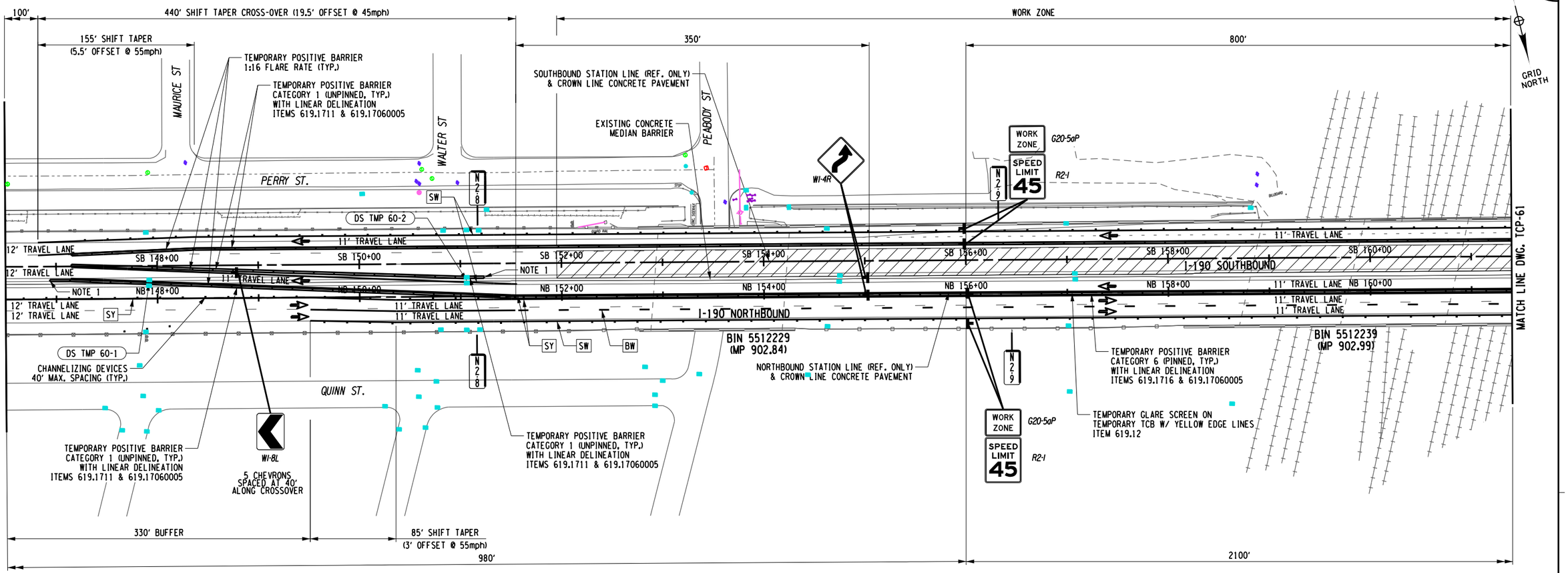
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-59



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
092577
LICENSED
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

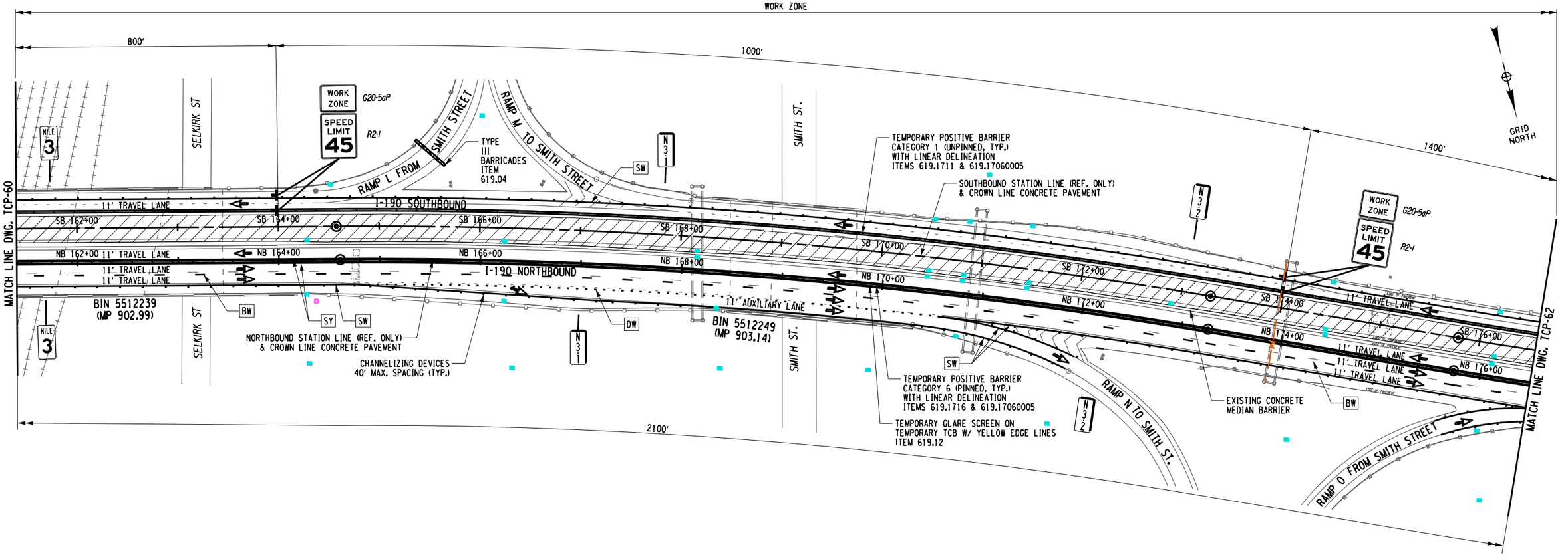
NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 1

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-60



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

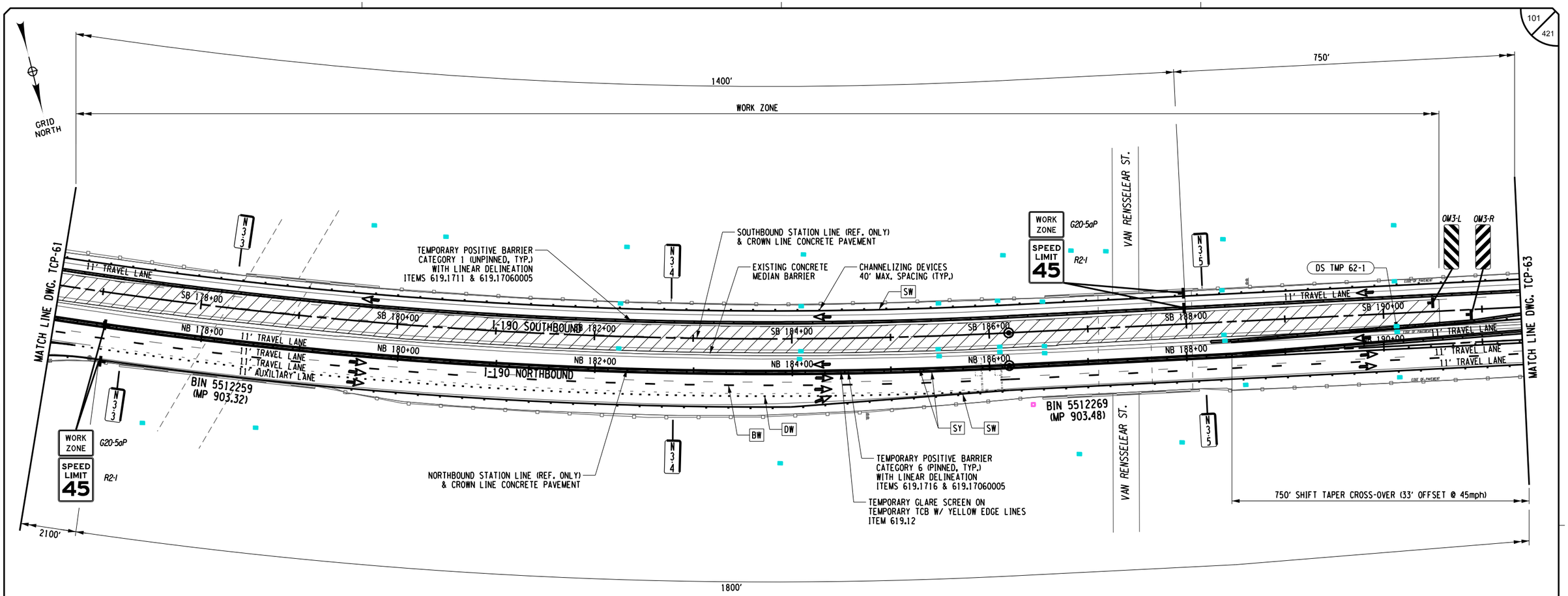
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-61



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

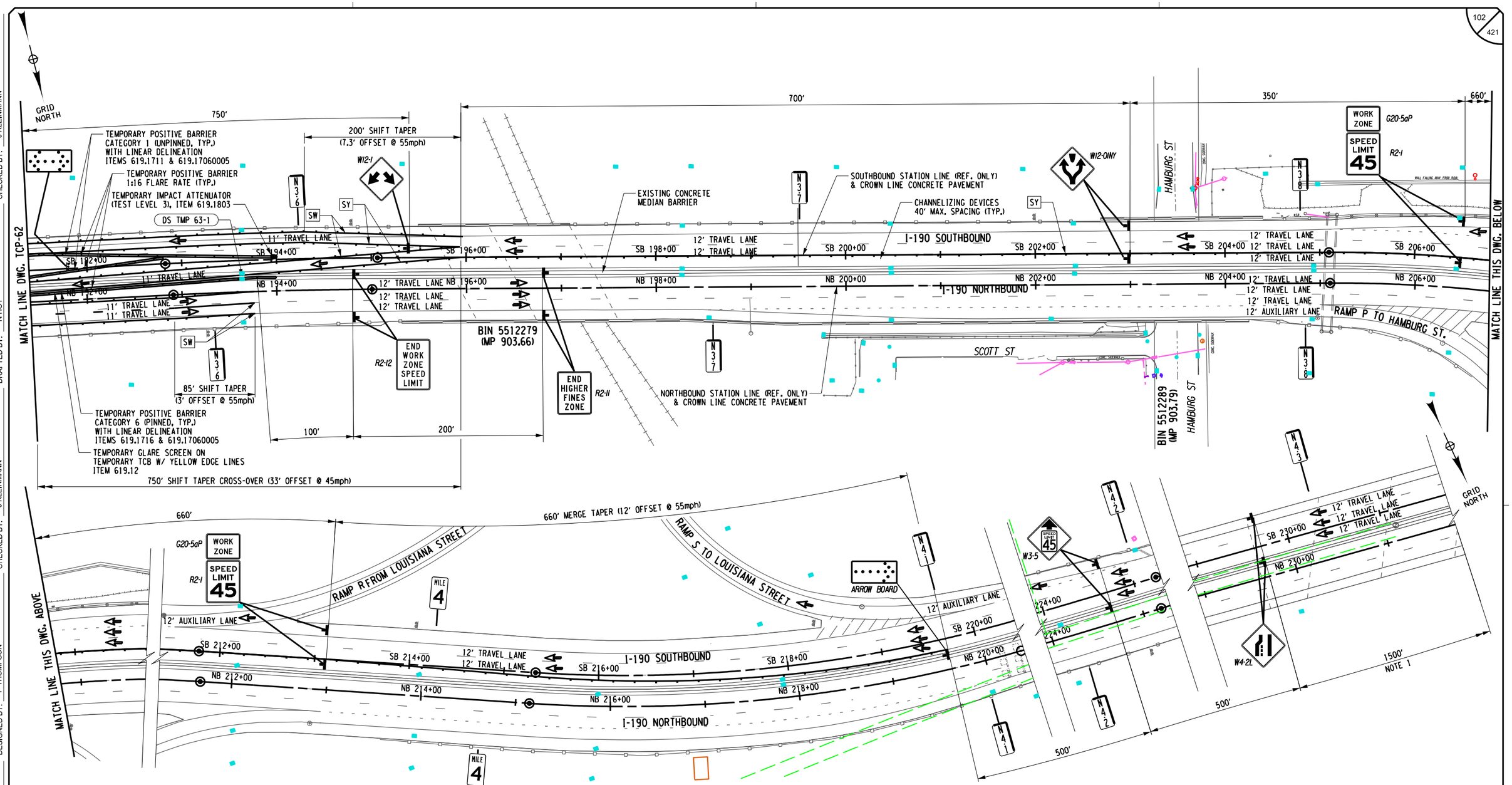
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacobleikins.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-62

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

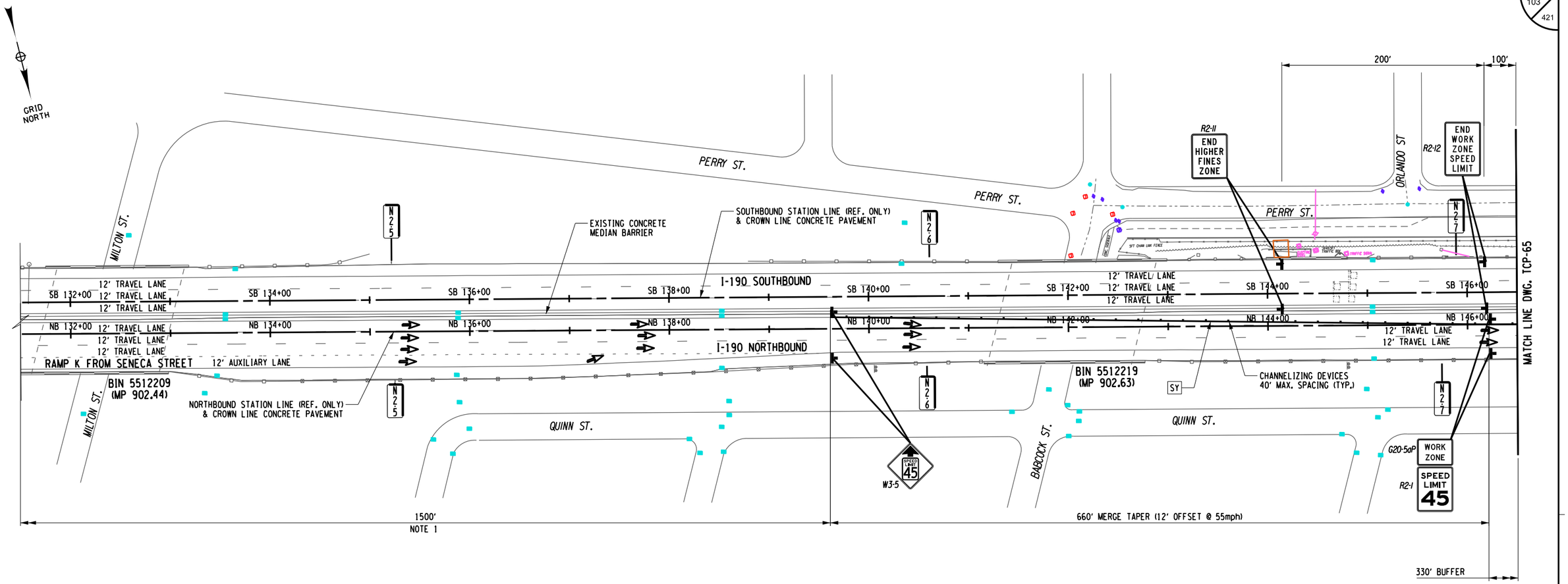
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
3200 Main Place Tower
Buffalo, NY 14202-3122
518.453.3500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-63

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W3-5 SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

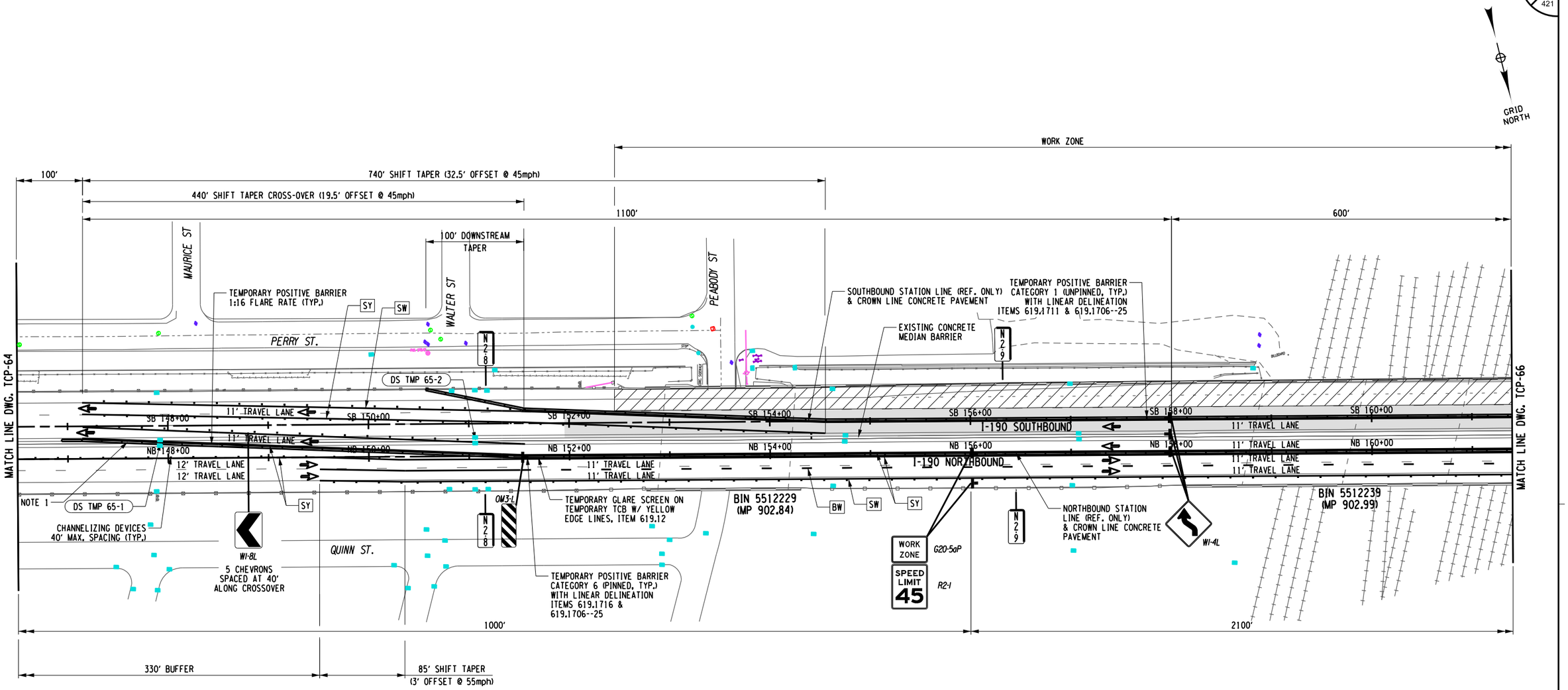
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-64

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:
1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

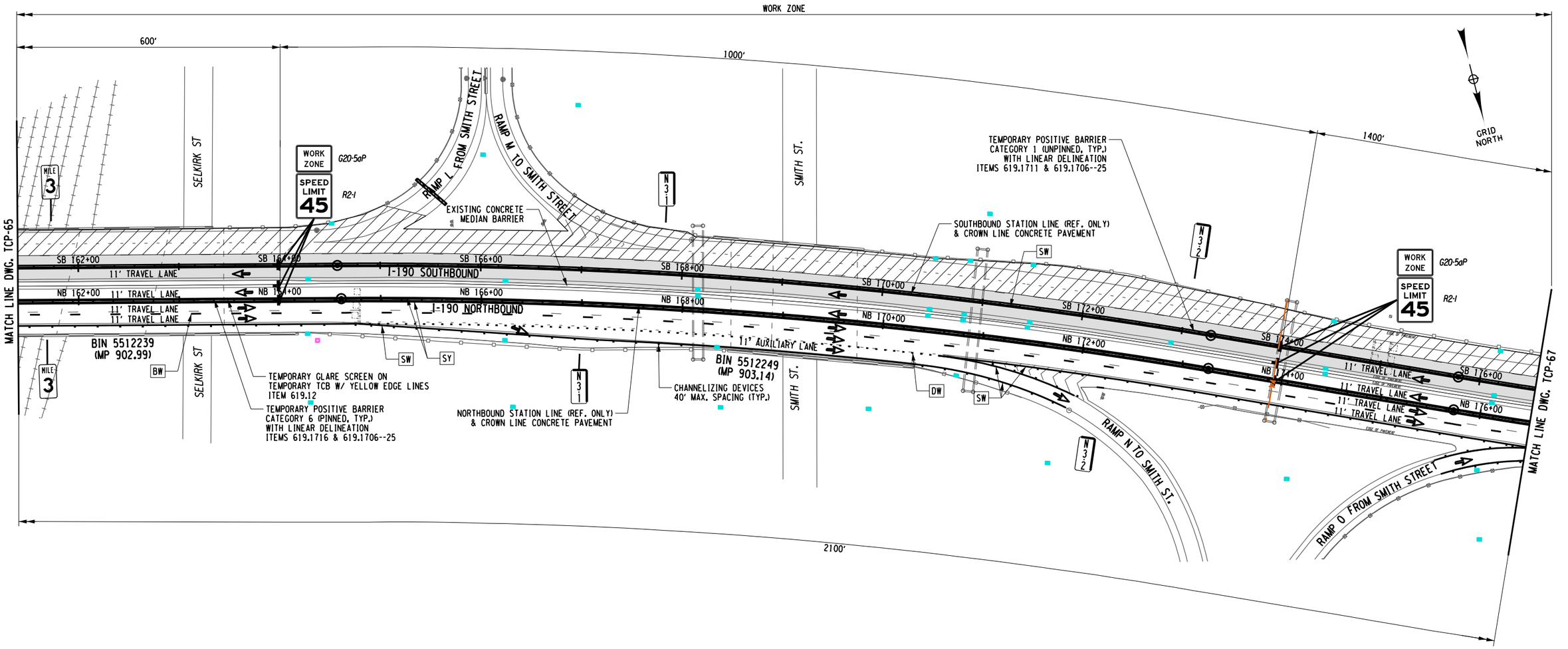
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-65

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

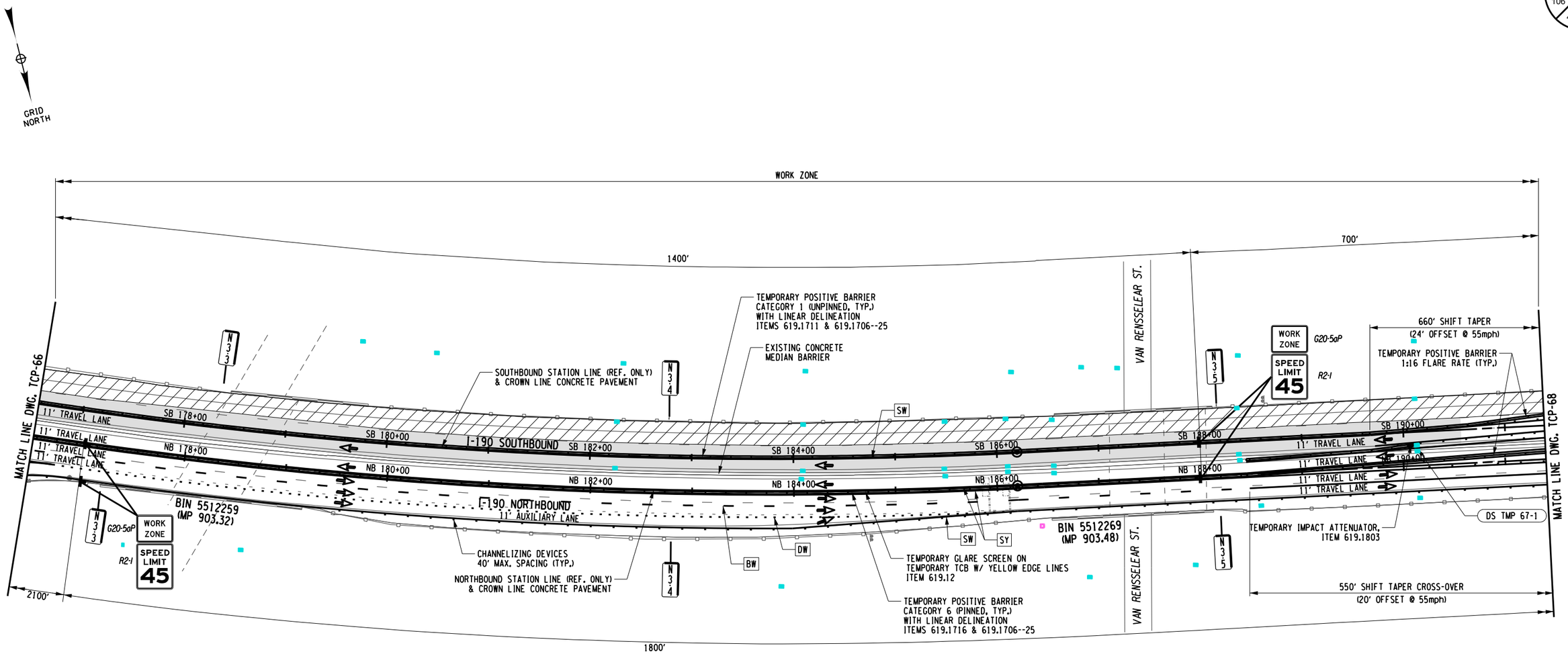
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-66



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

0 50 100 FEET
SCALE 1" = 100'

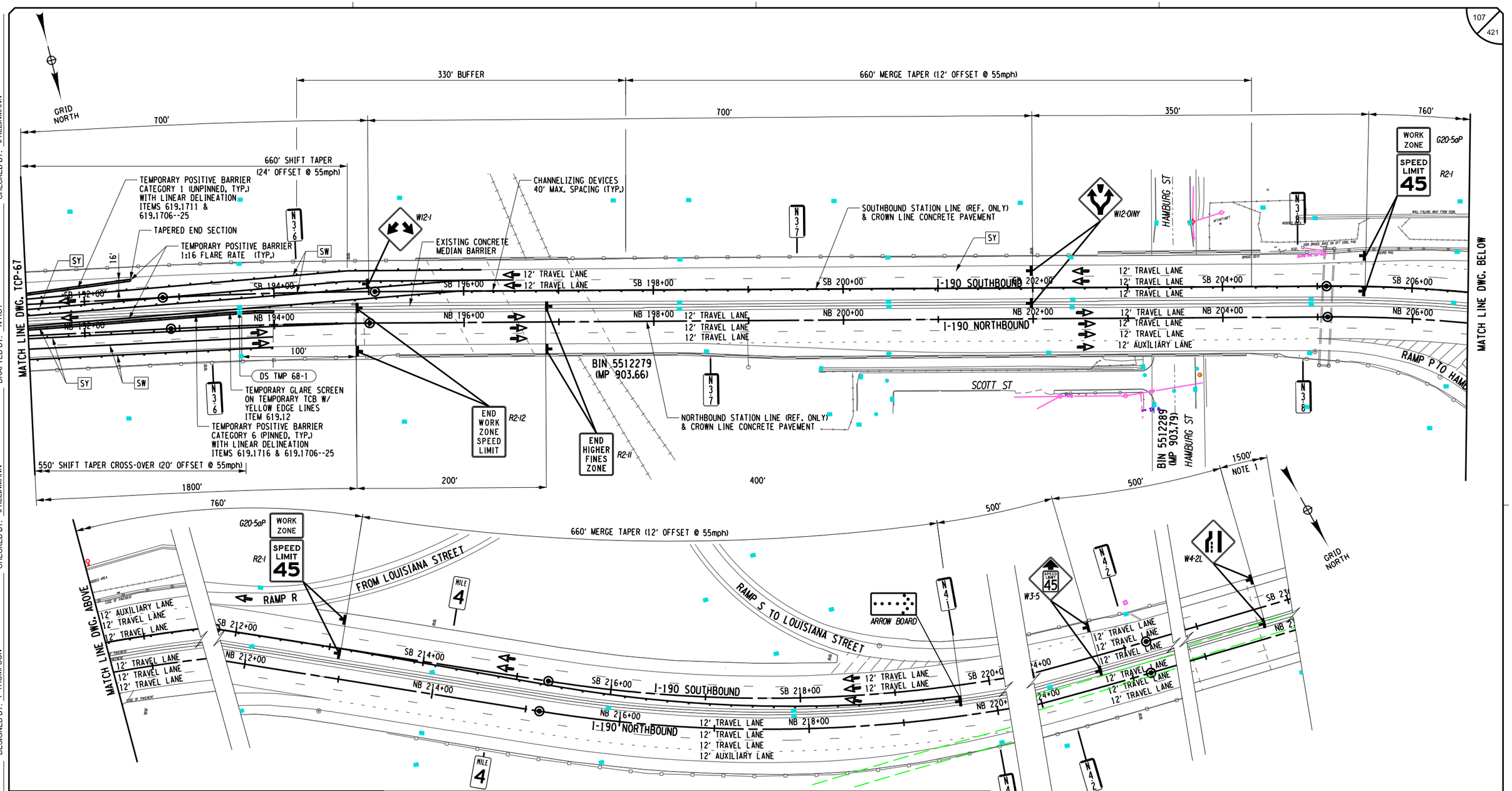
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-67

DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

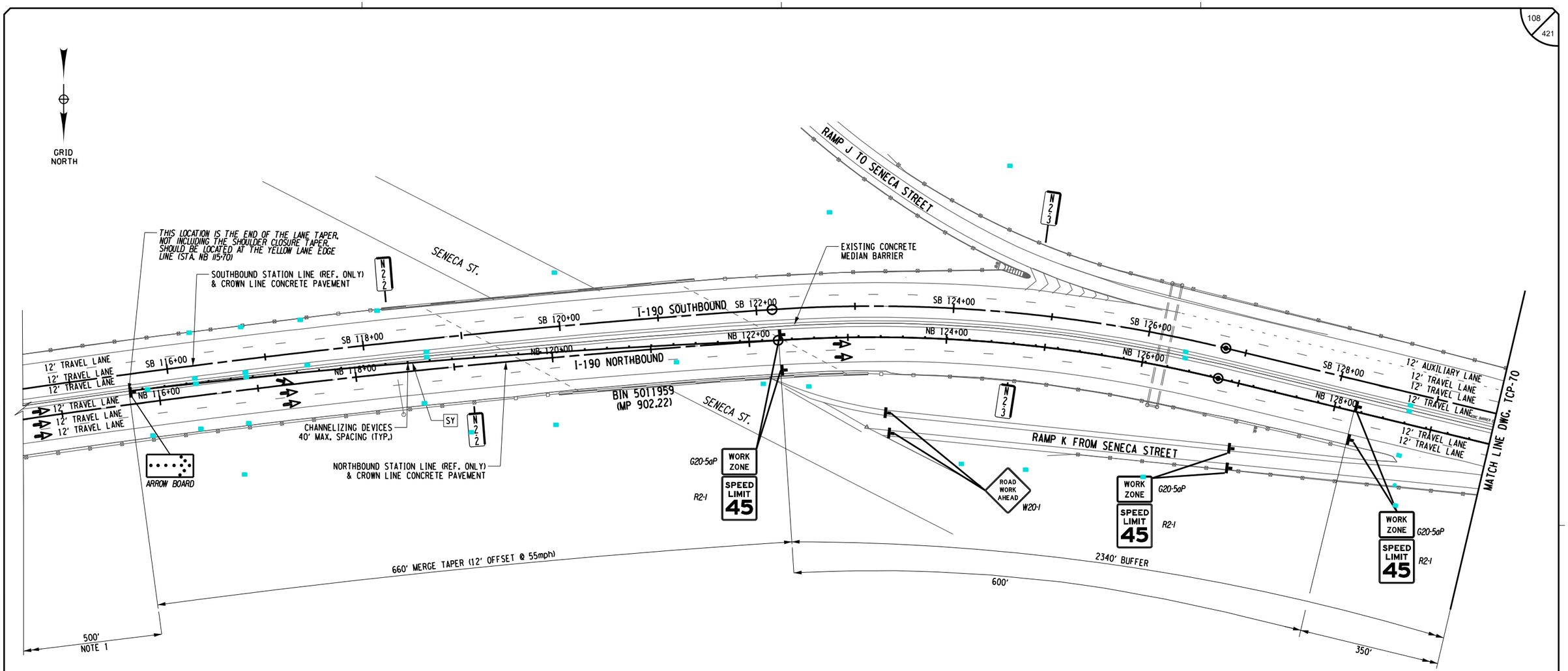
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2350 North Forest Road
Getzville, NY 14068-1722
518.453.4500 · www.chacbAdmin.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 3/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-68

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND THE ARROW PANEL SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

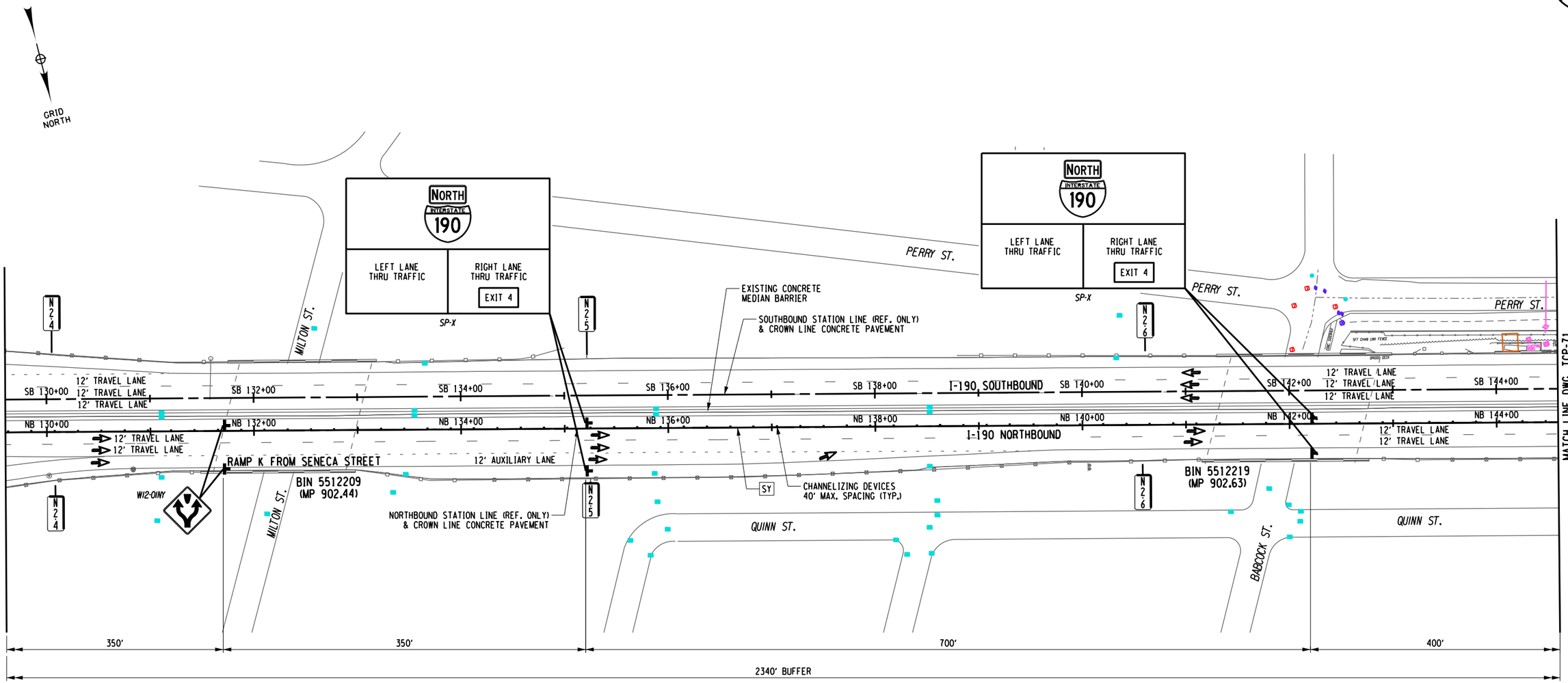
NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-69

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · 092577 · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

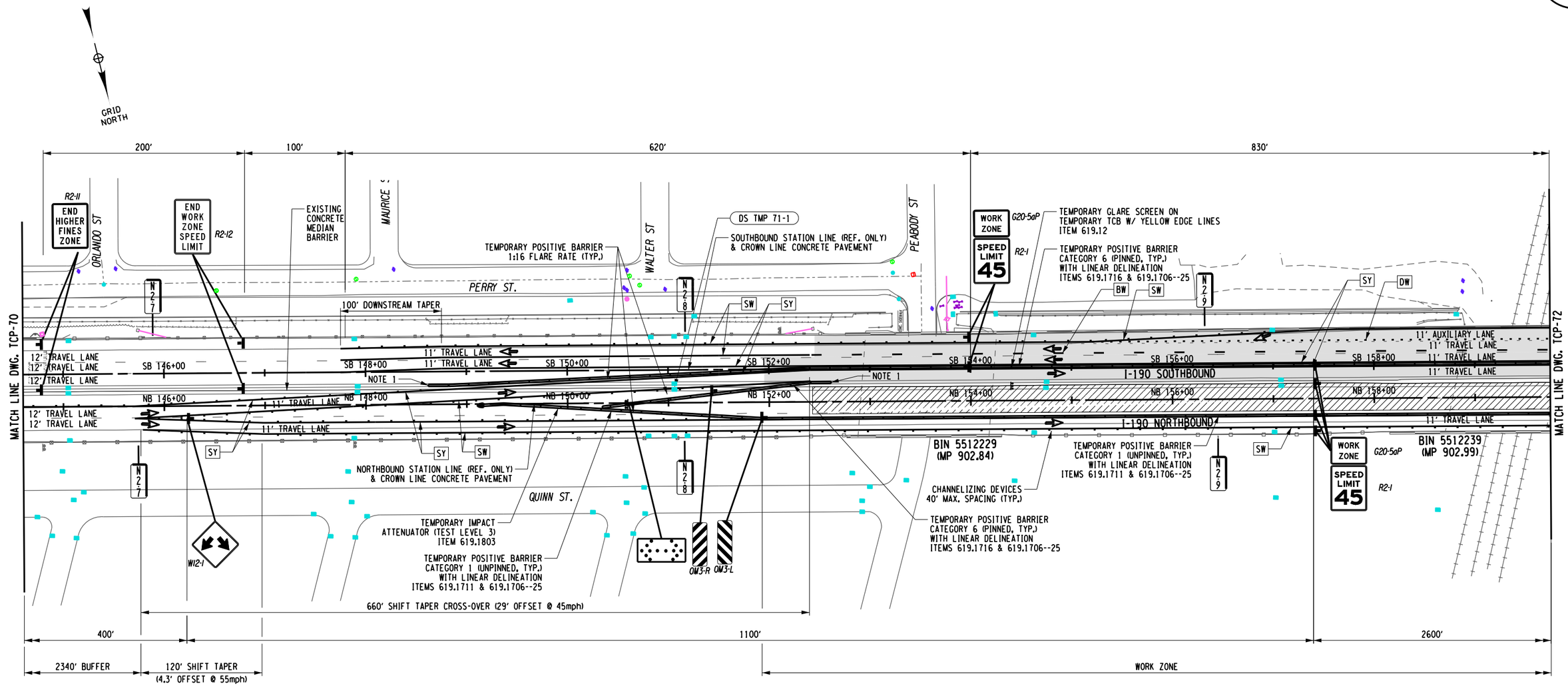
NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-70

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

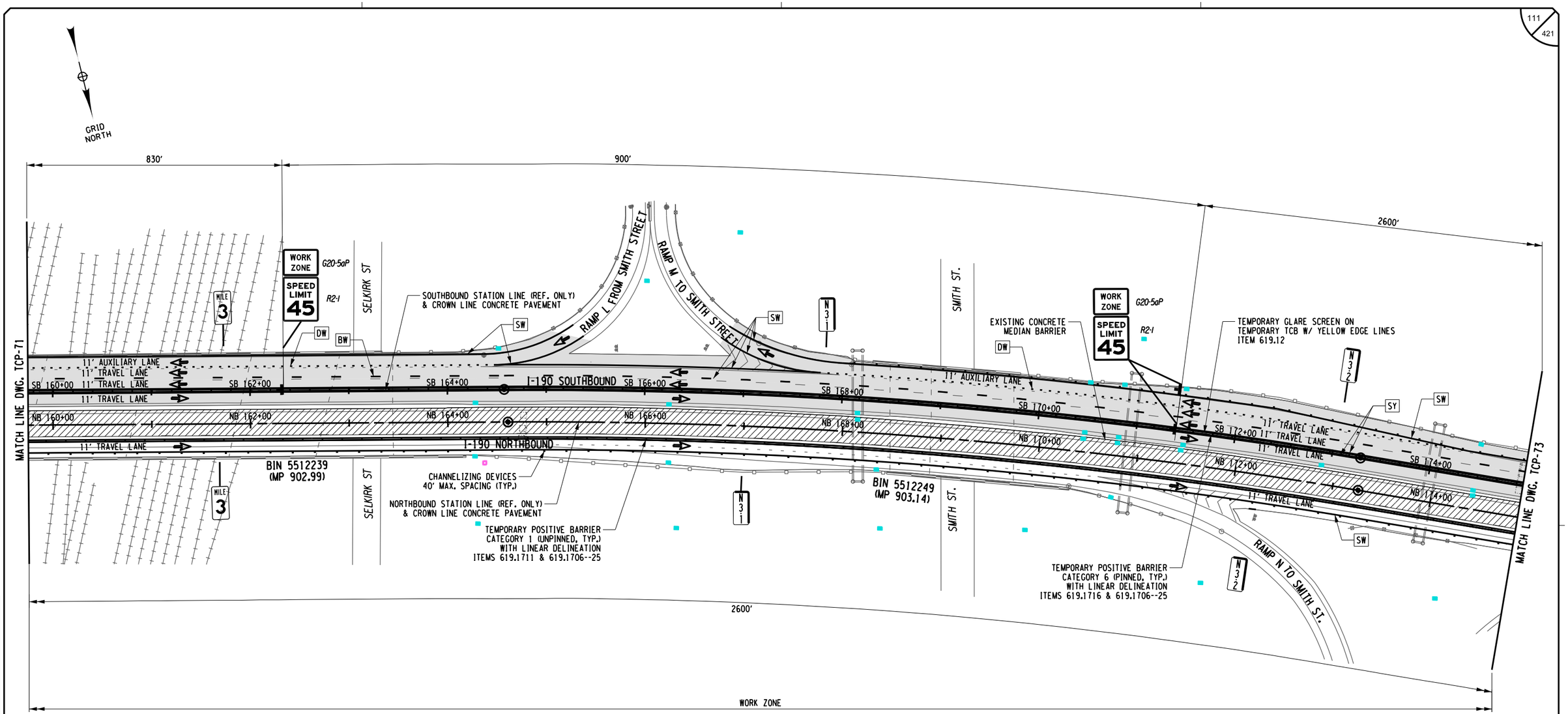
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 1

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-71



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

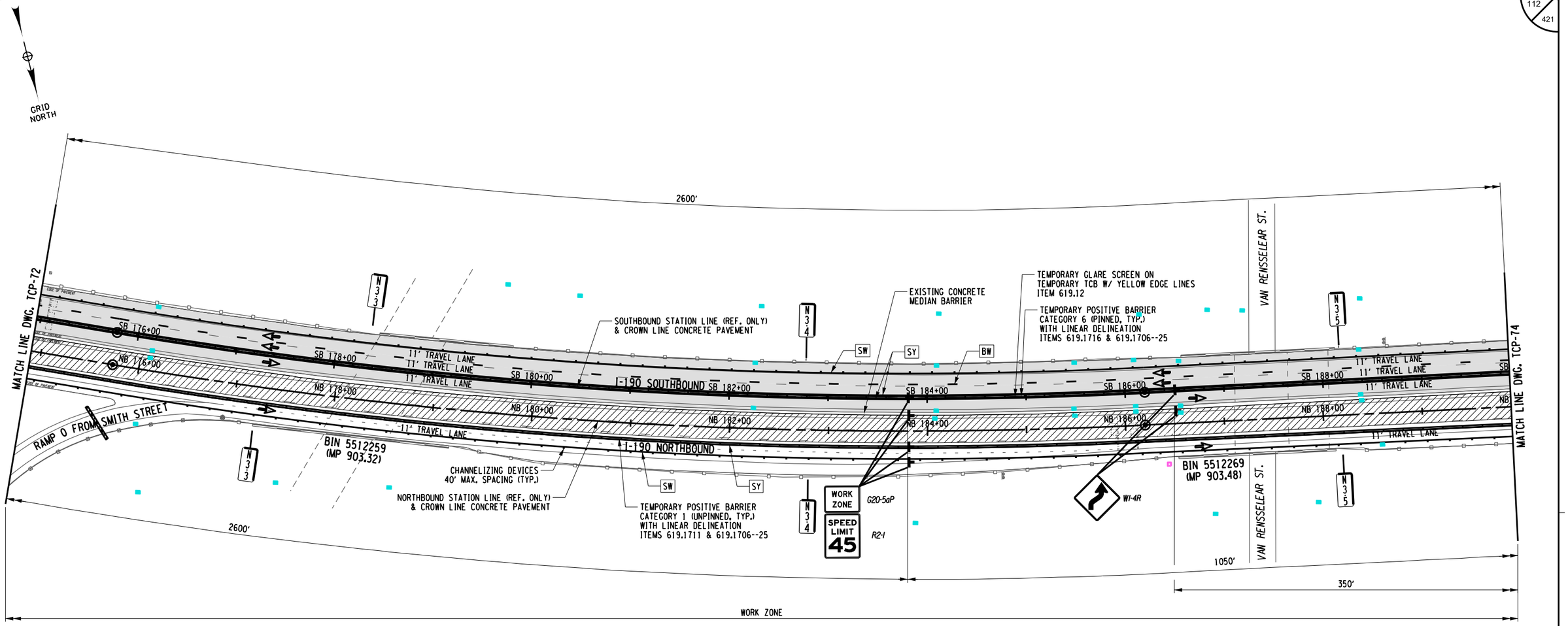
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-72

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

0 50 100 FEET
SCALE 1" = 100'

NEW YORK STATE Thruway Authority

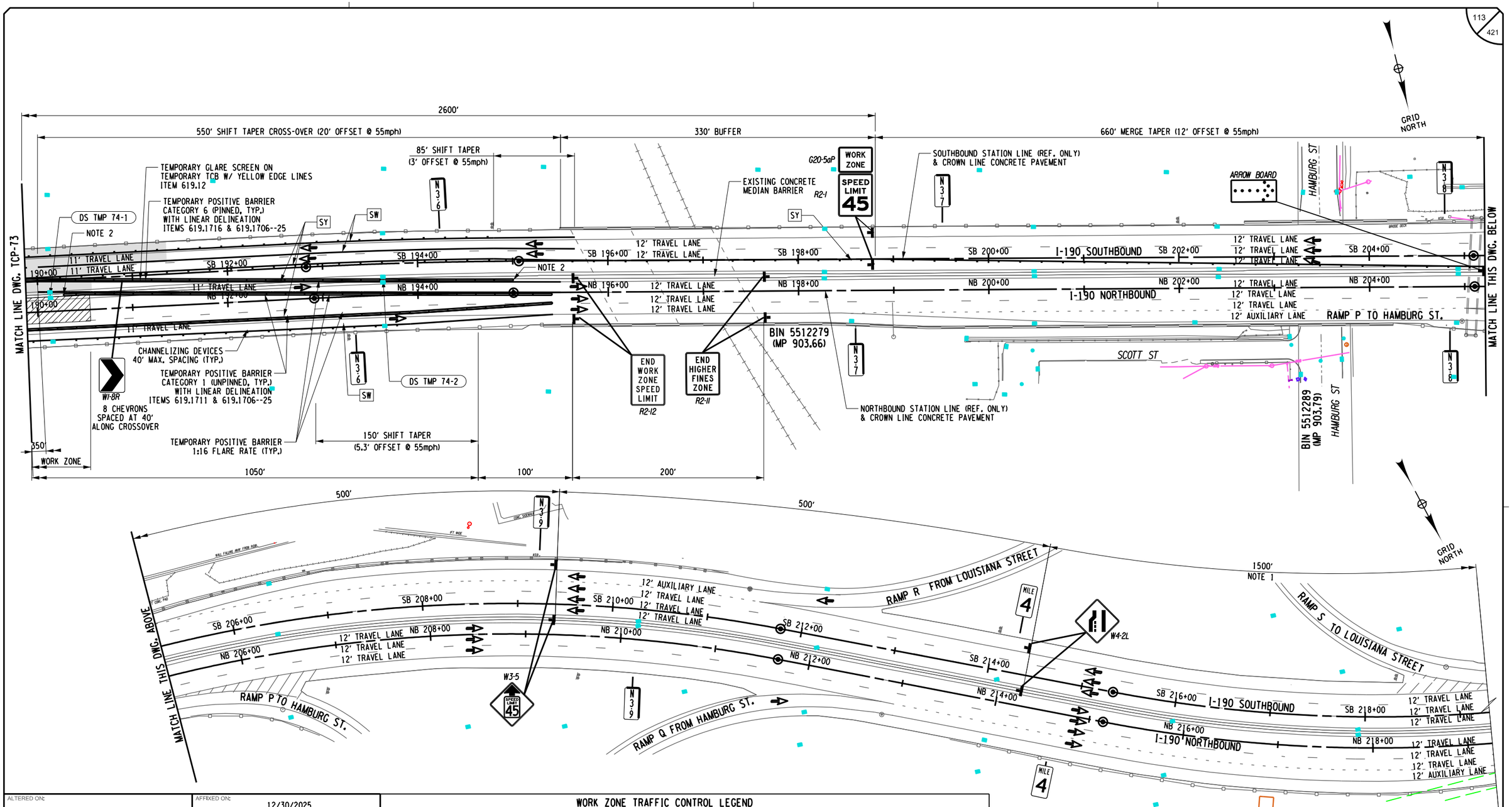
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobldms.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 1

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-73

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.
2. TERMINATE THE TEMPORARY POSITIVE BARRIER AT A POINT 20 FEET BEHIND THE EXISTING MEDIAN BARRIER OR AOBE. PIN THE TEMPORARY POSITIVE BARRIER FOR A MINIMUM OF 40 FEET BEFORE THE START OF THE 20-FOOT OVERLAP TERMINATION SECTION.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

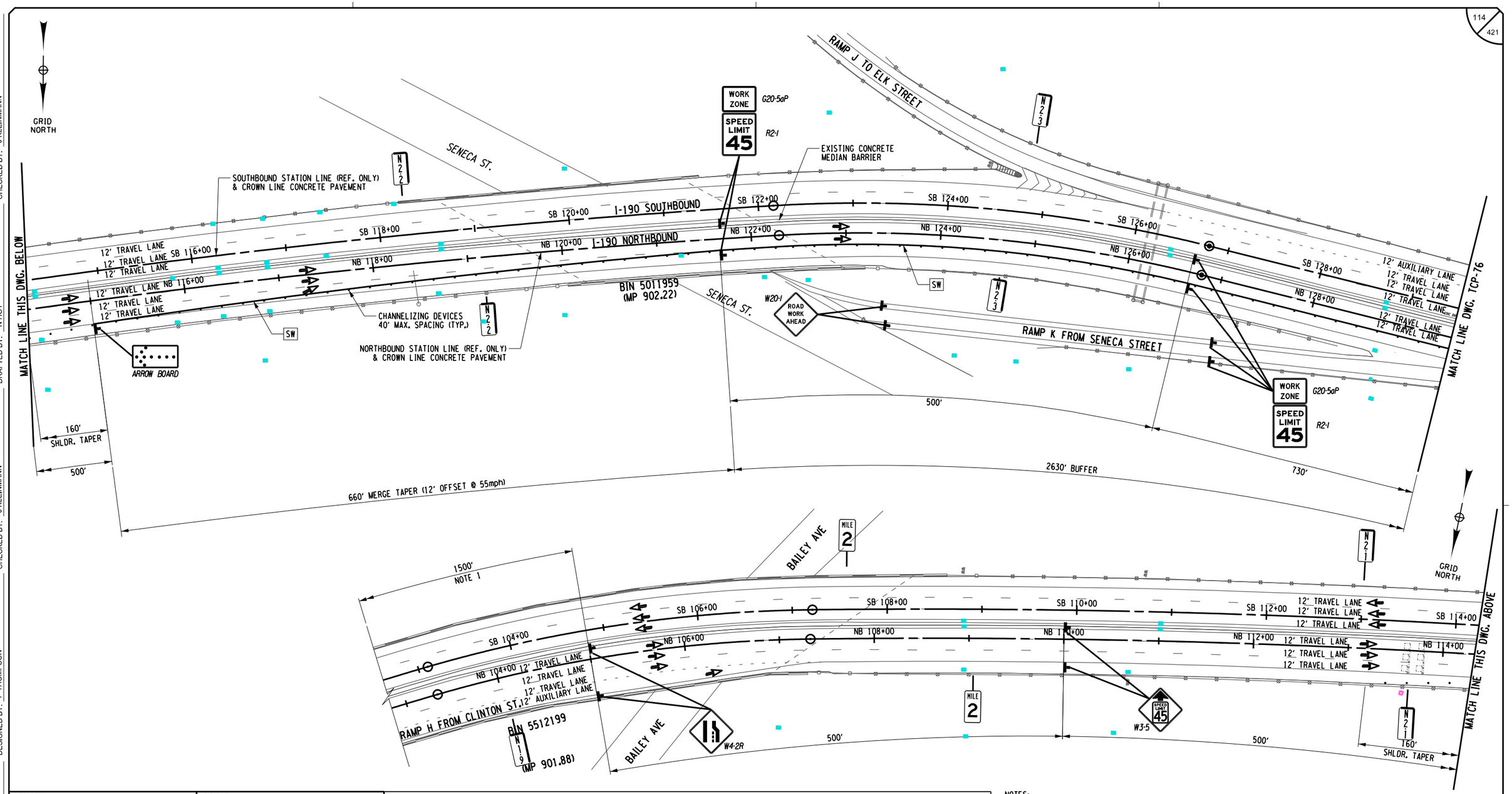
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-74

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2R SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

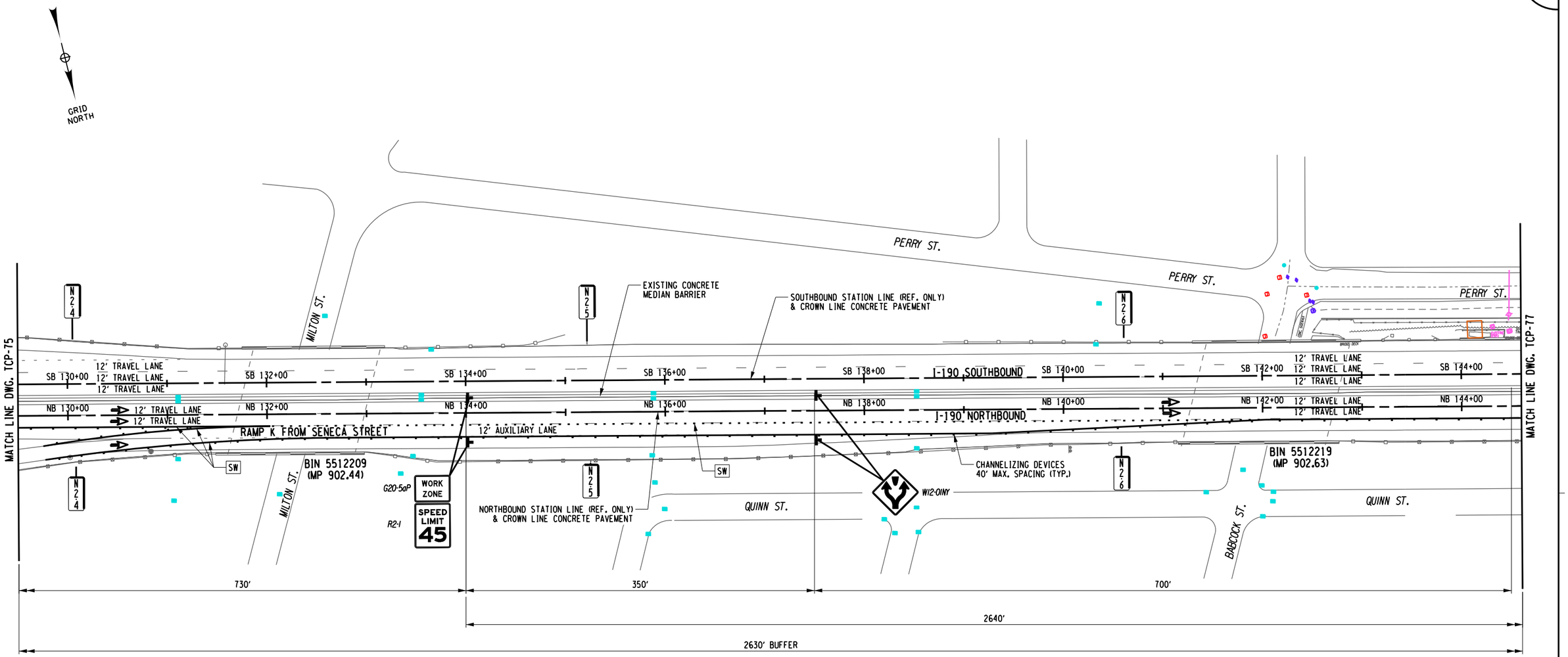
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-75



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

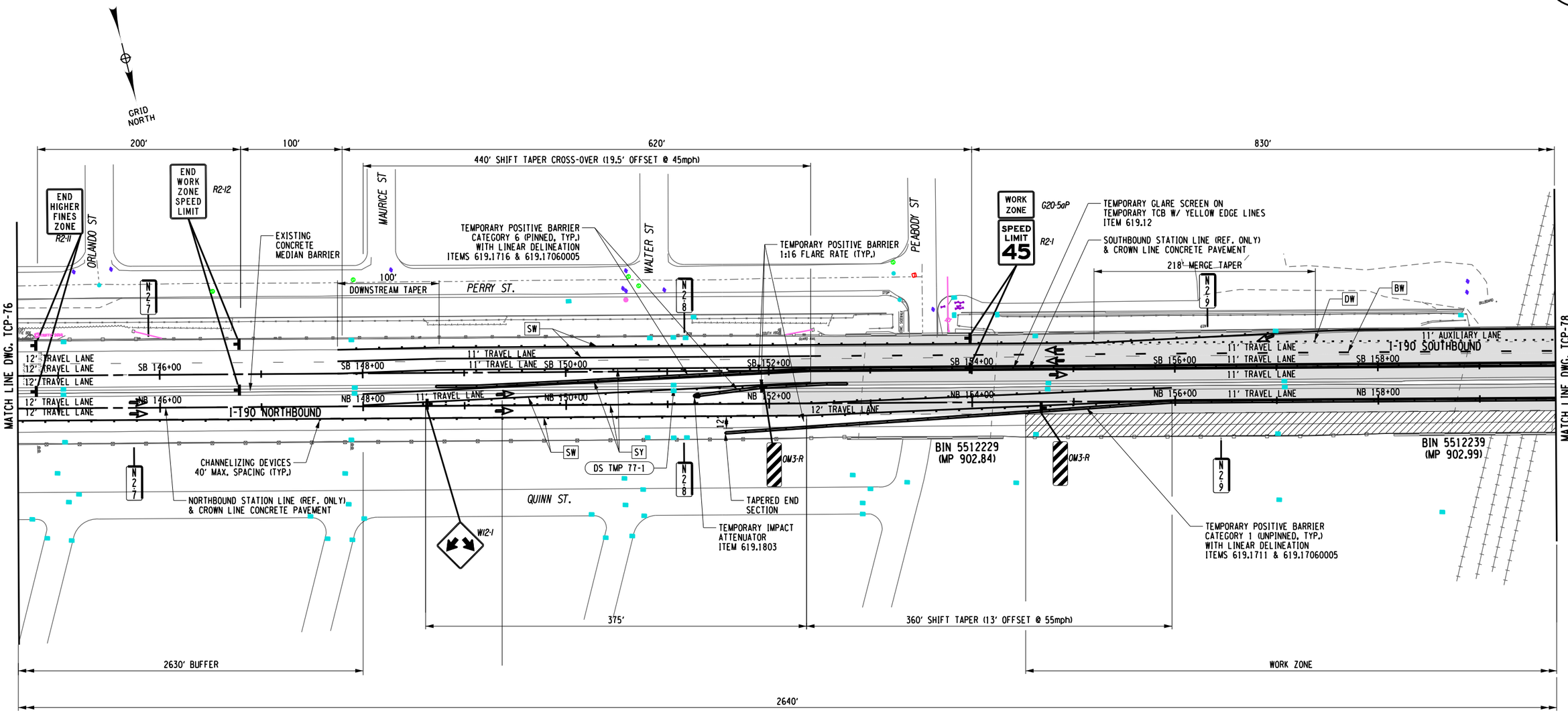
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-76

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

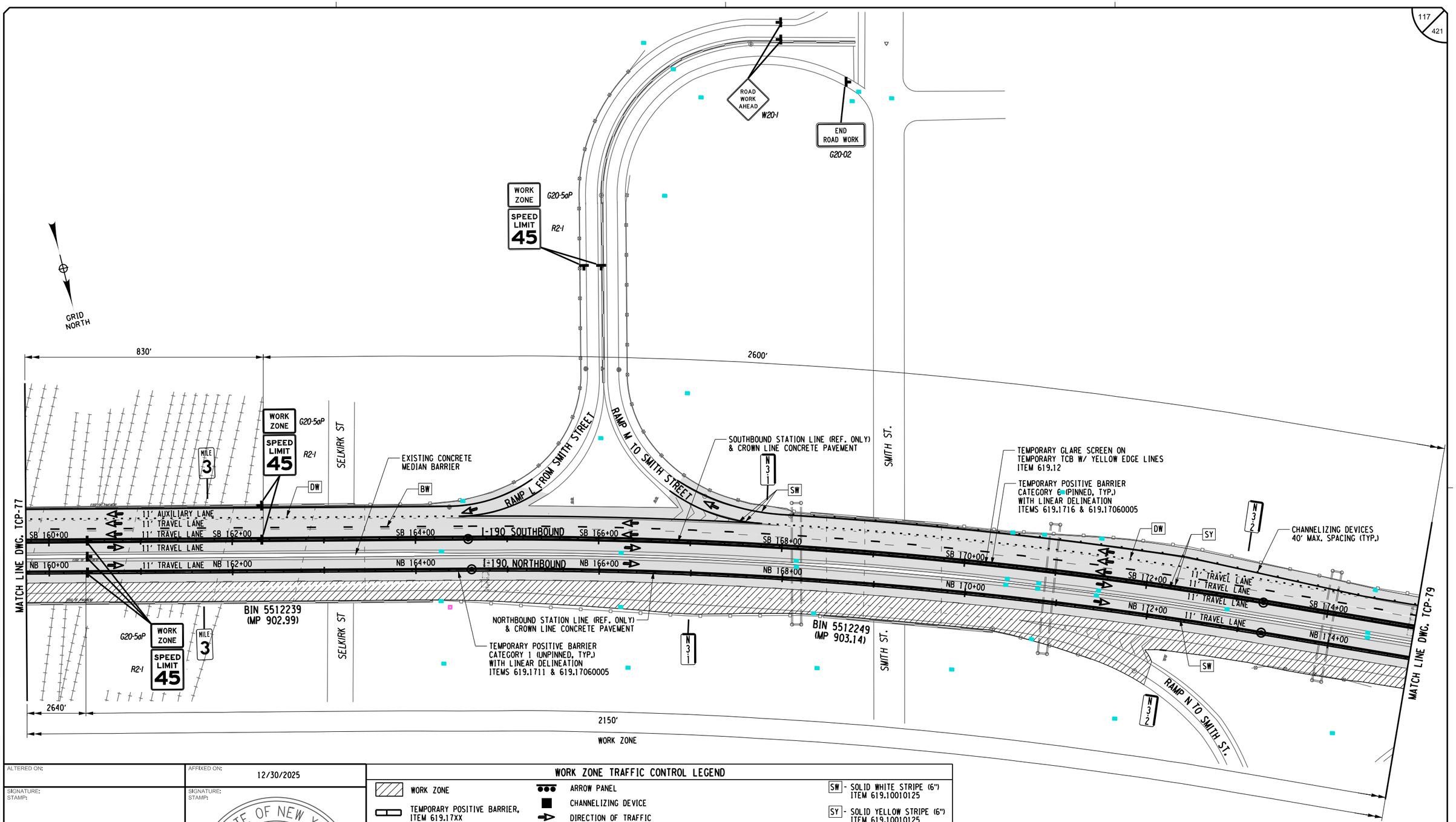
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-77

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
EXCELSIOR
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

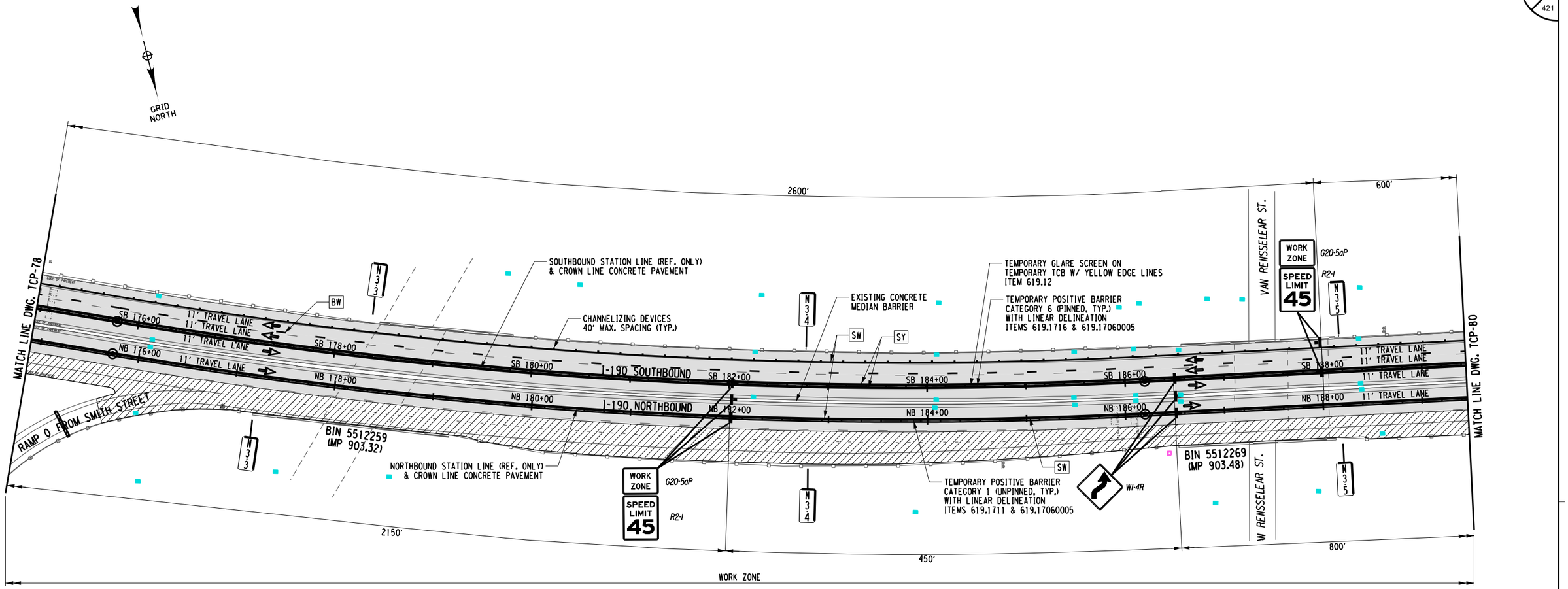
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-78

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

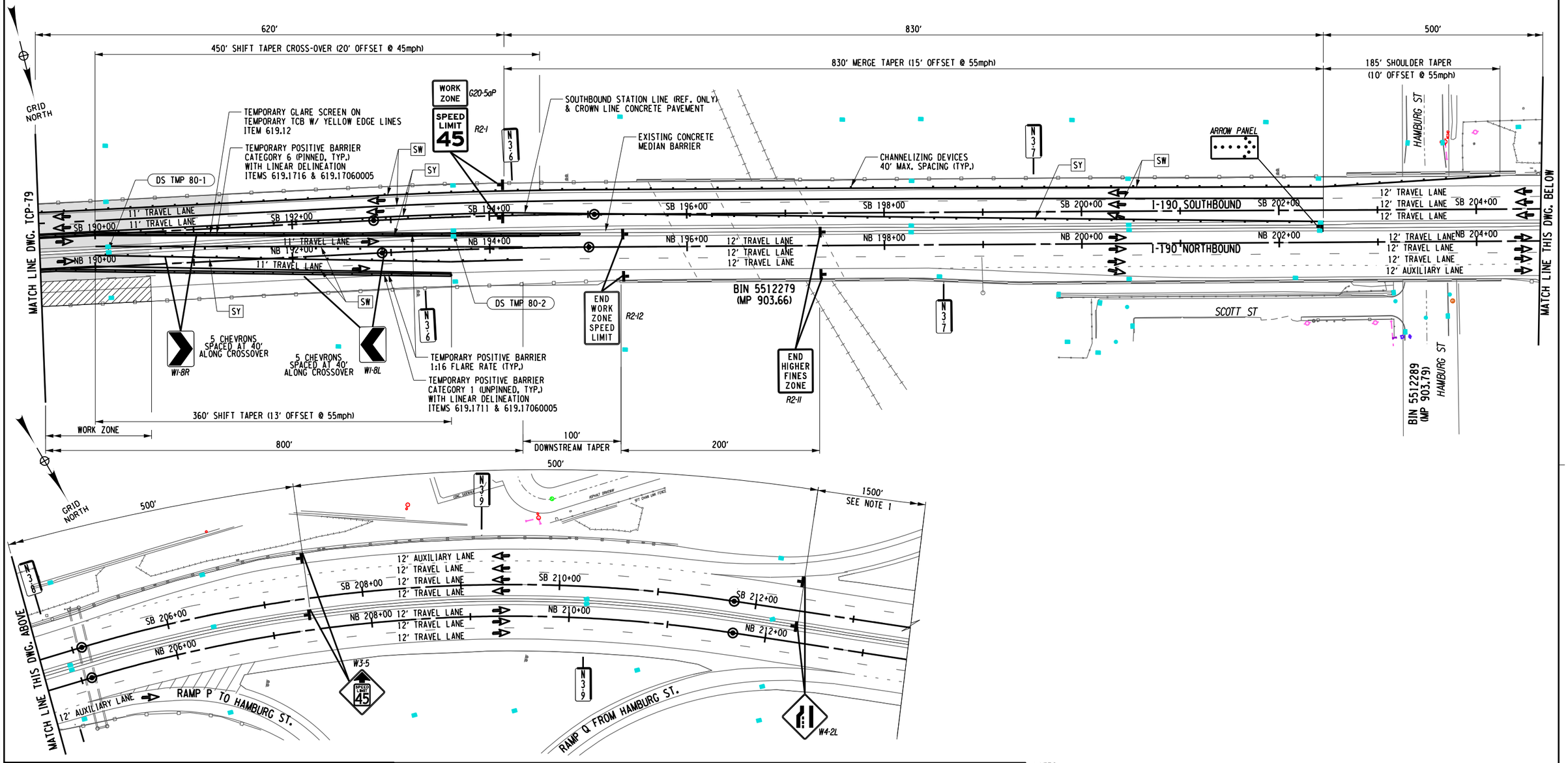
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-79

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

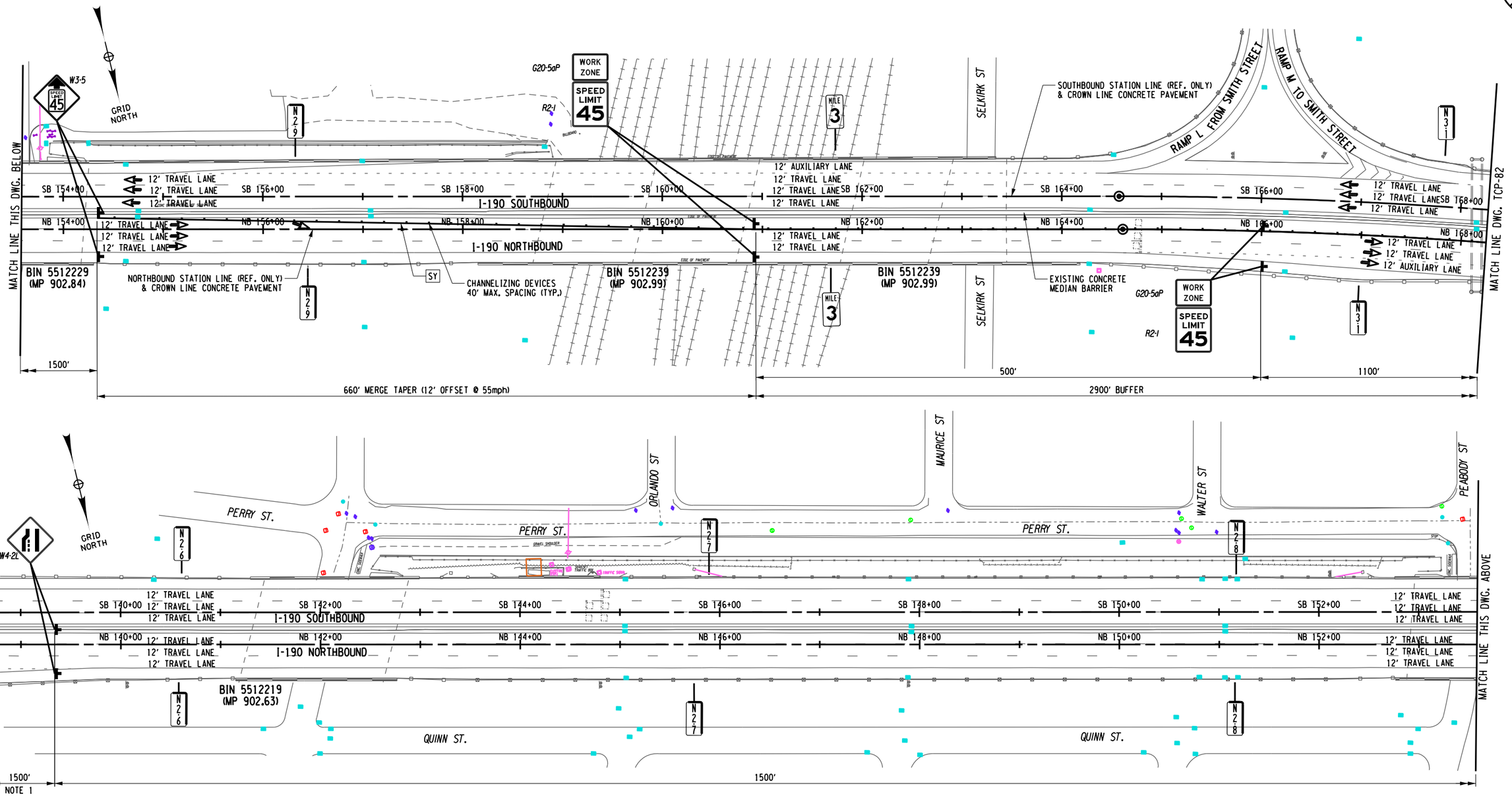
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 3/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-80



DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

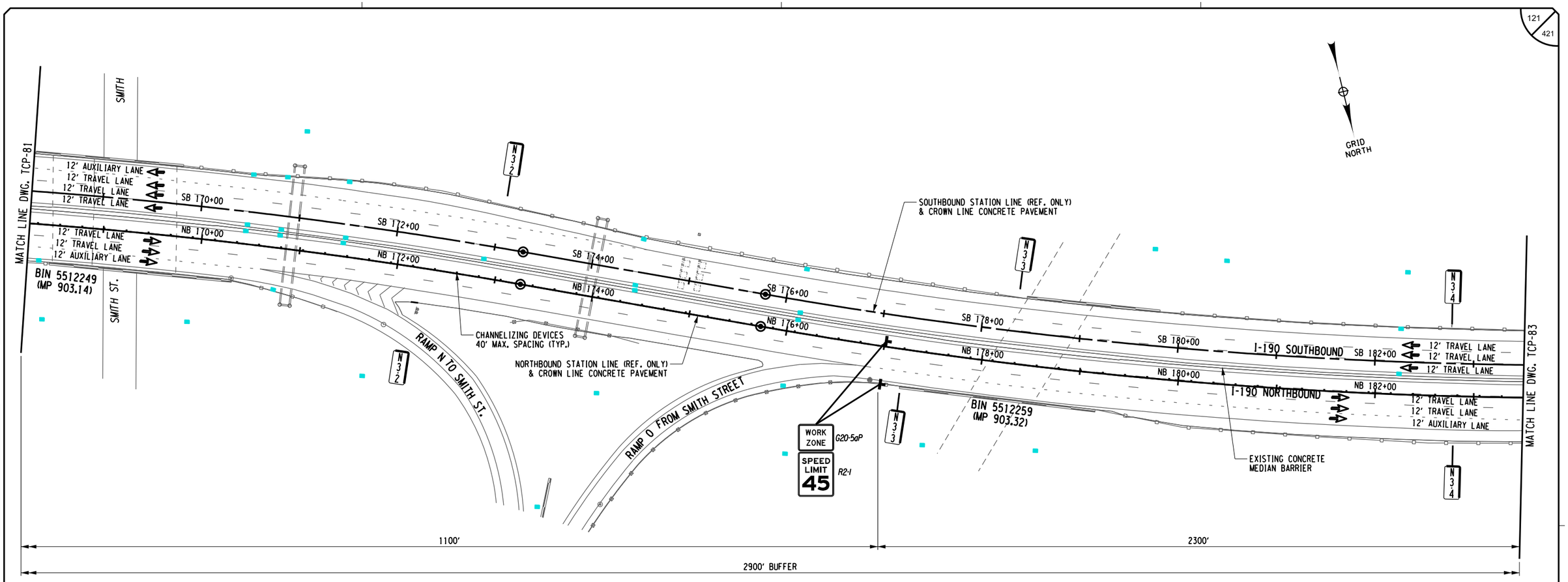
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-81



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

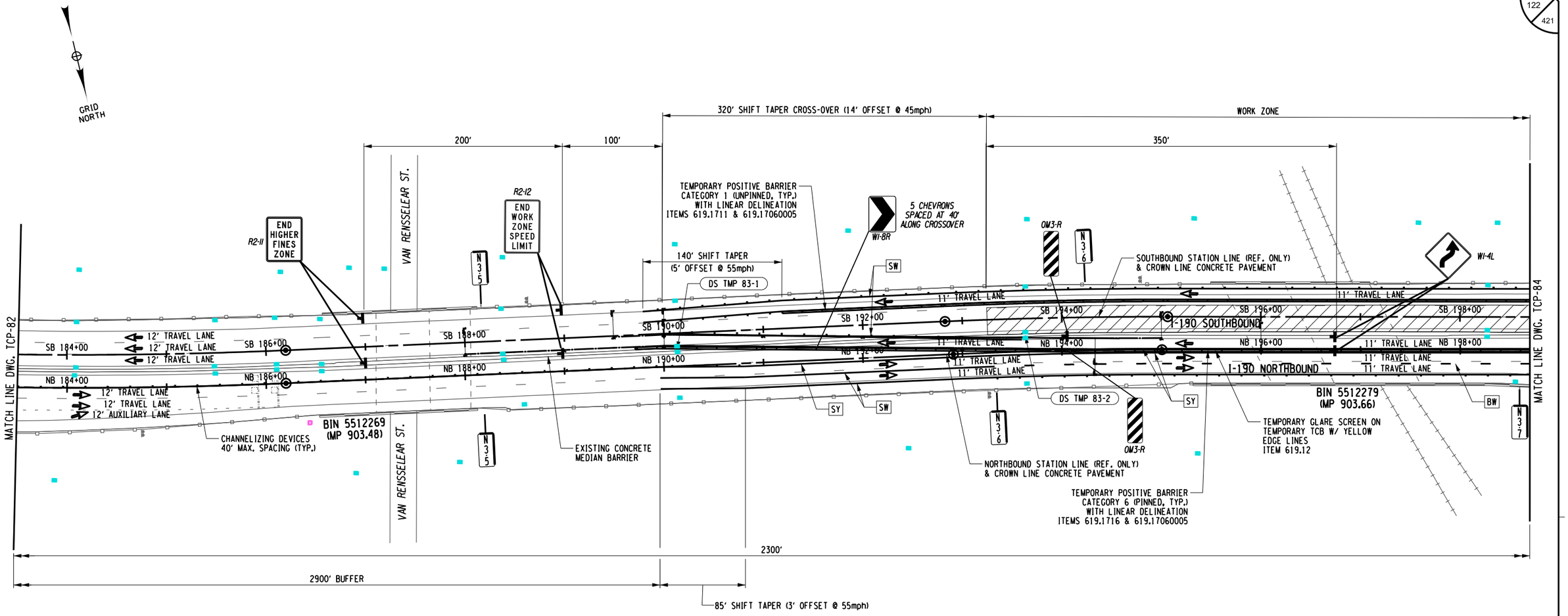
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-82



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobinns.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

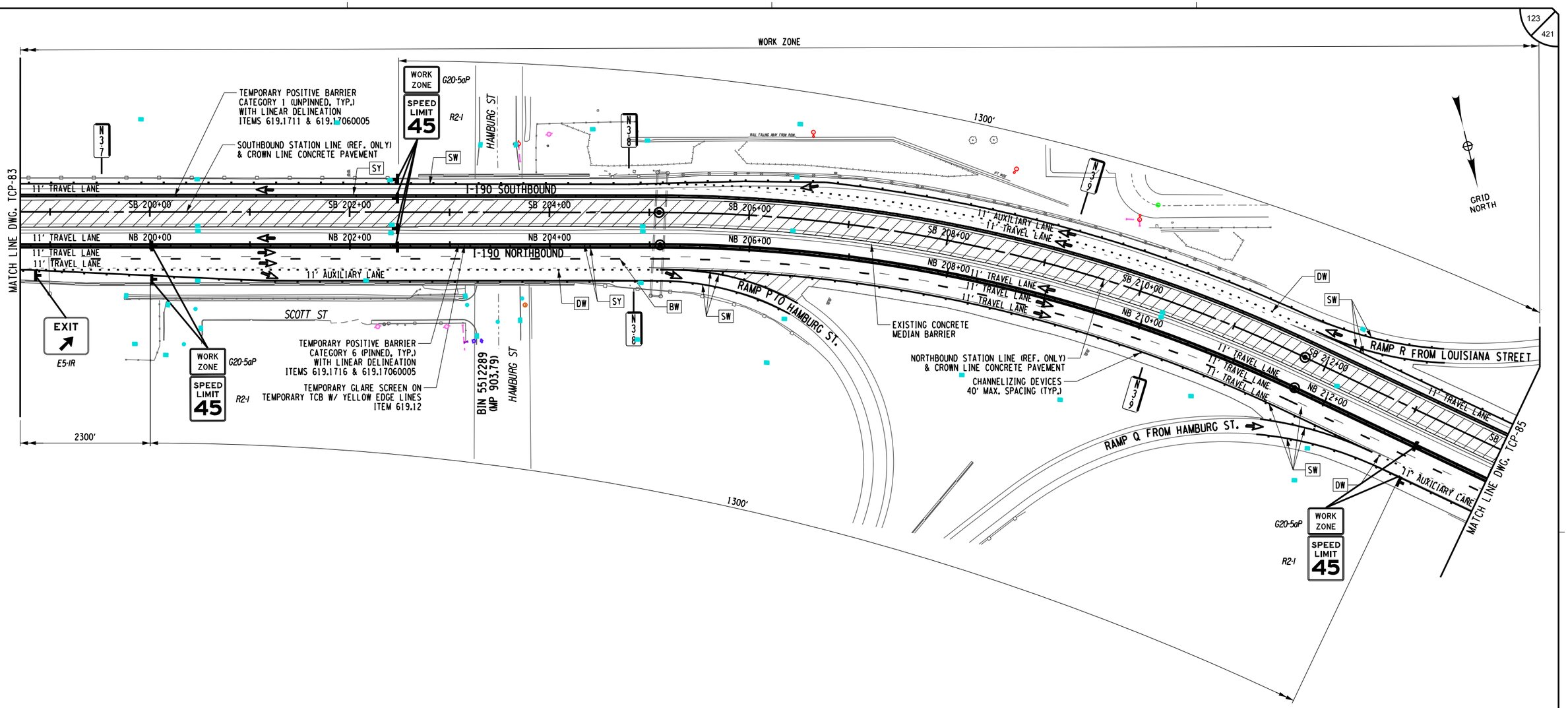
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: TCP-83



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

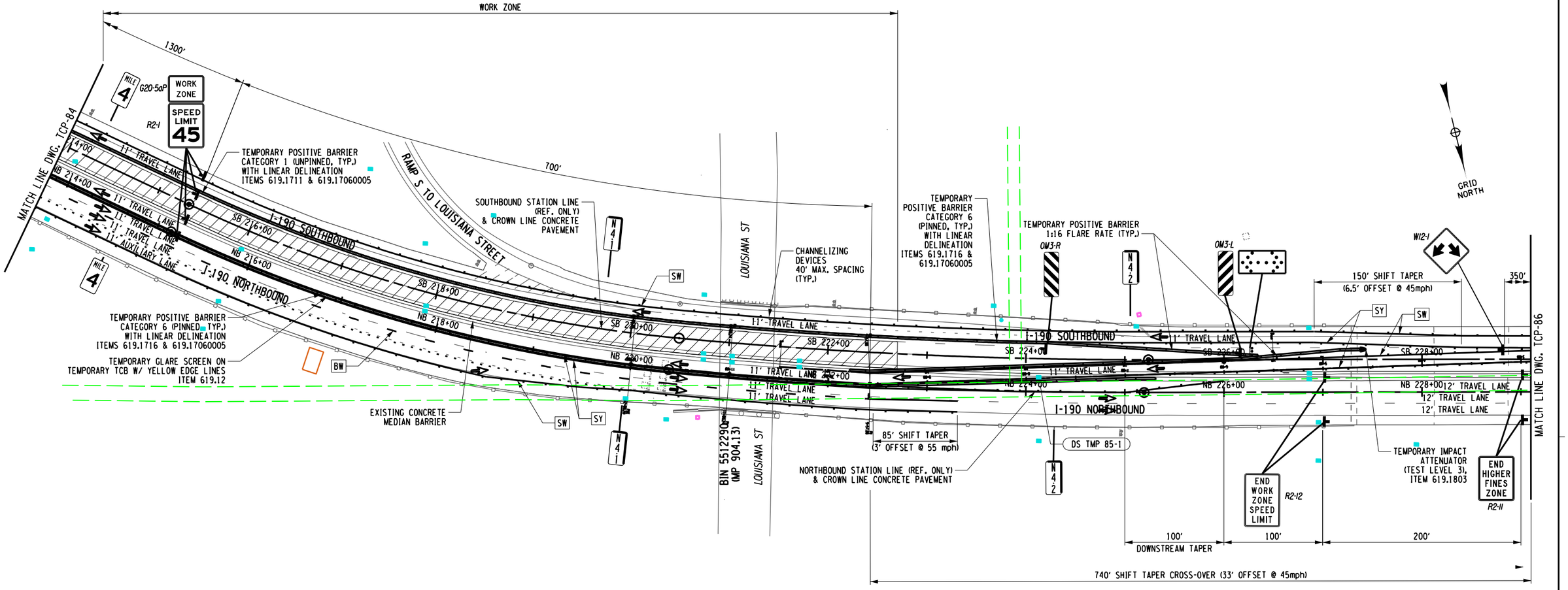
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-84

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

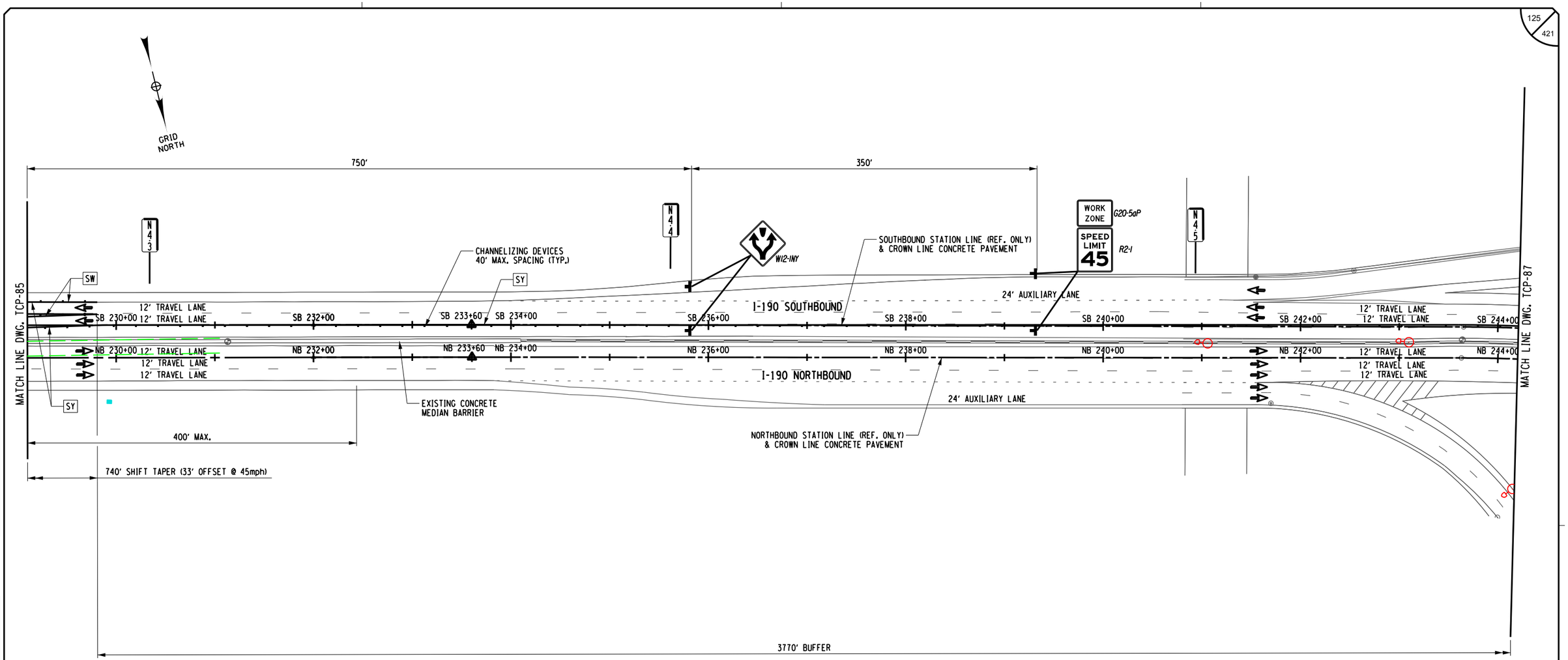
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-85

DESIGN SUPERVISOR: DMARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

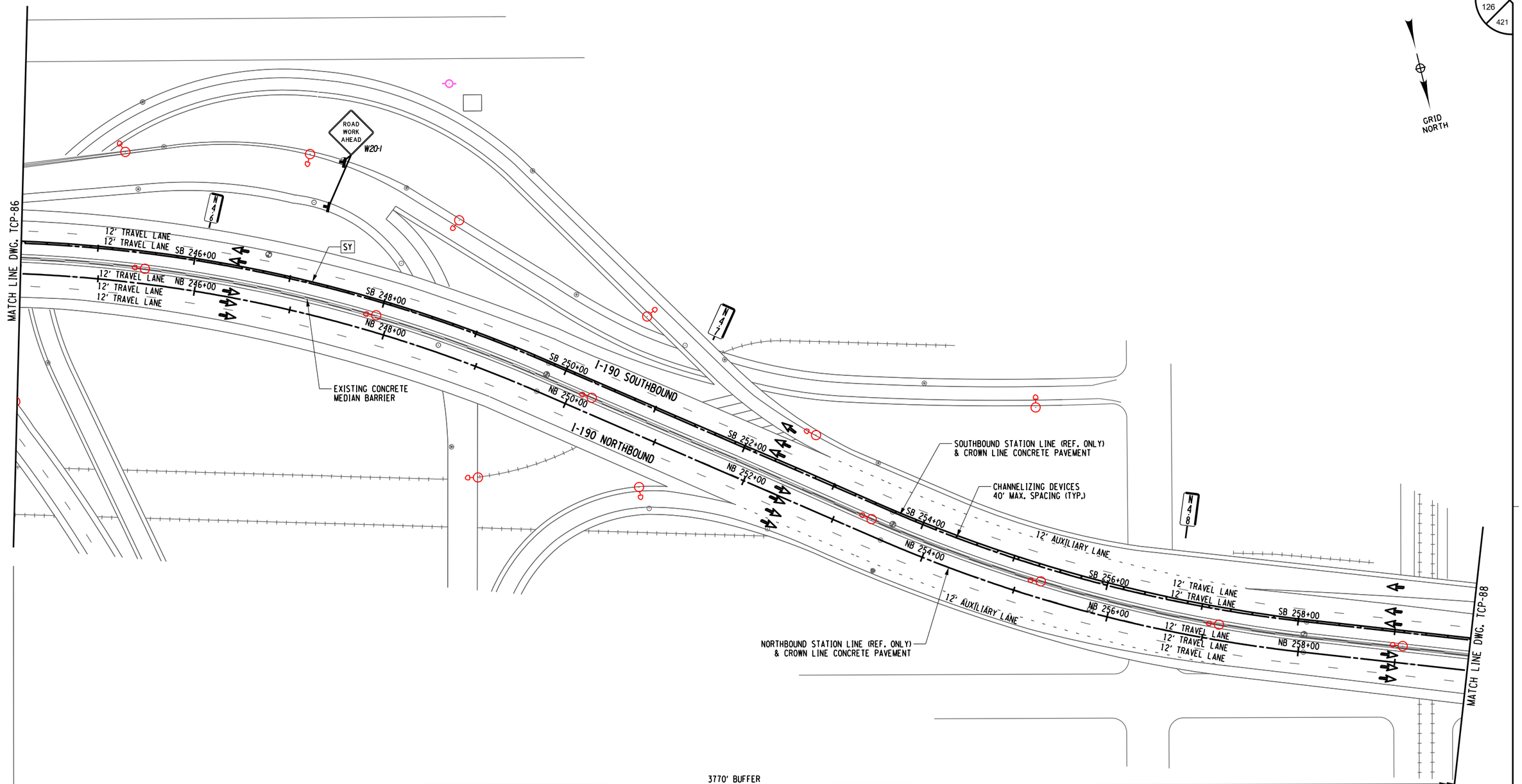
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-86

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

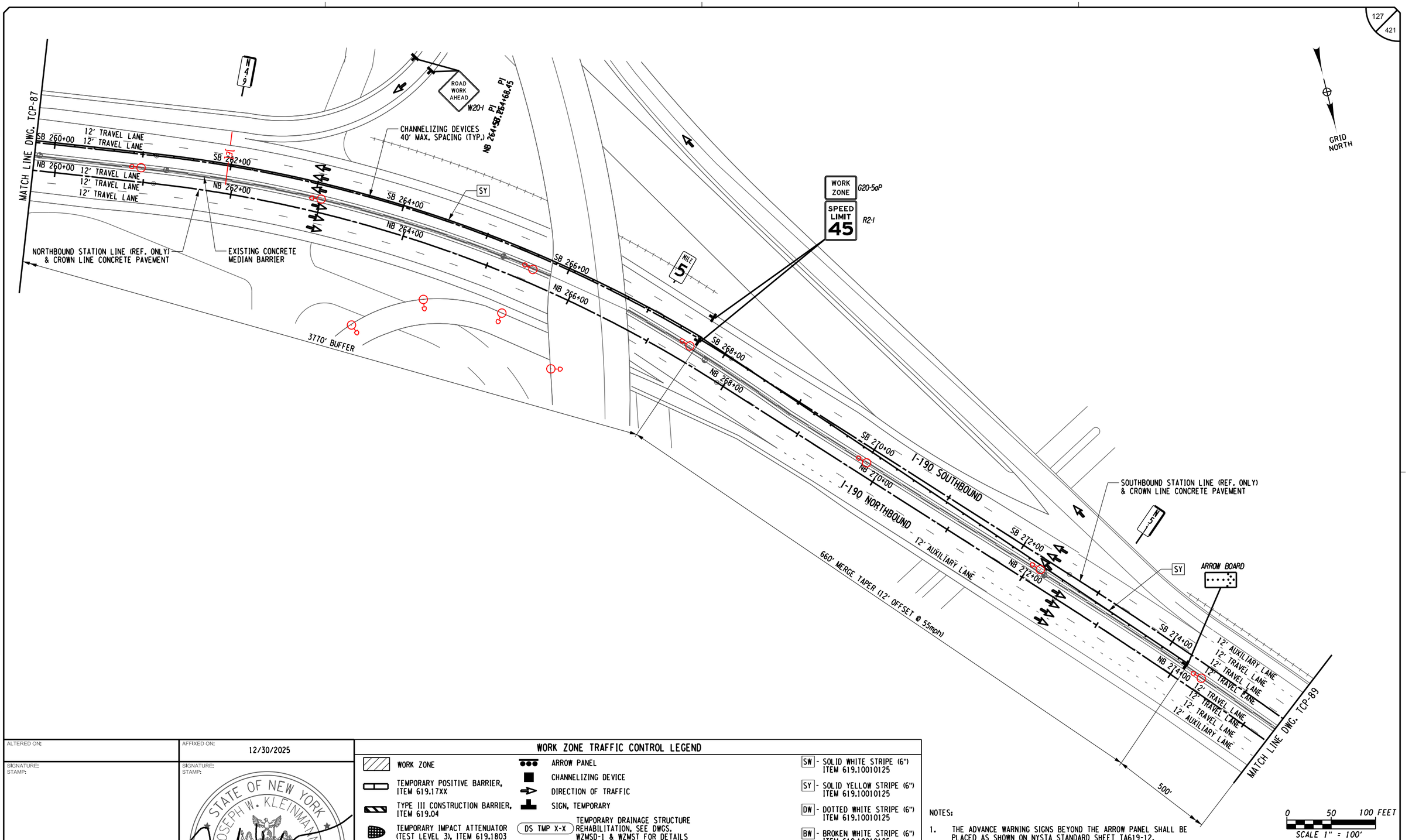
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1	DRAWING NUMBER: TCP-87



NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND THE ARROW PANEL SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1

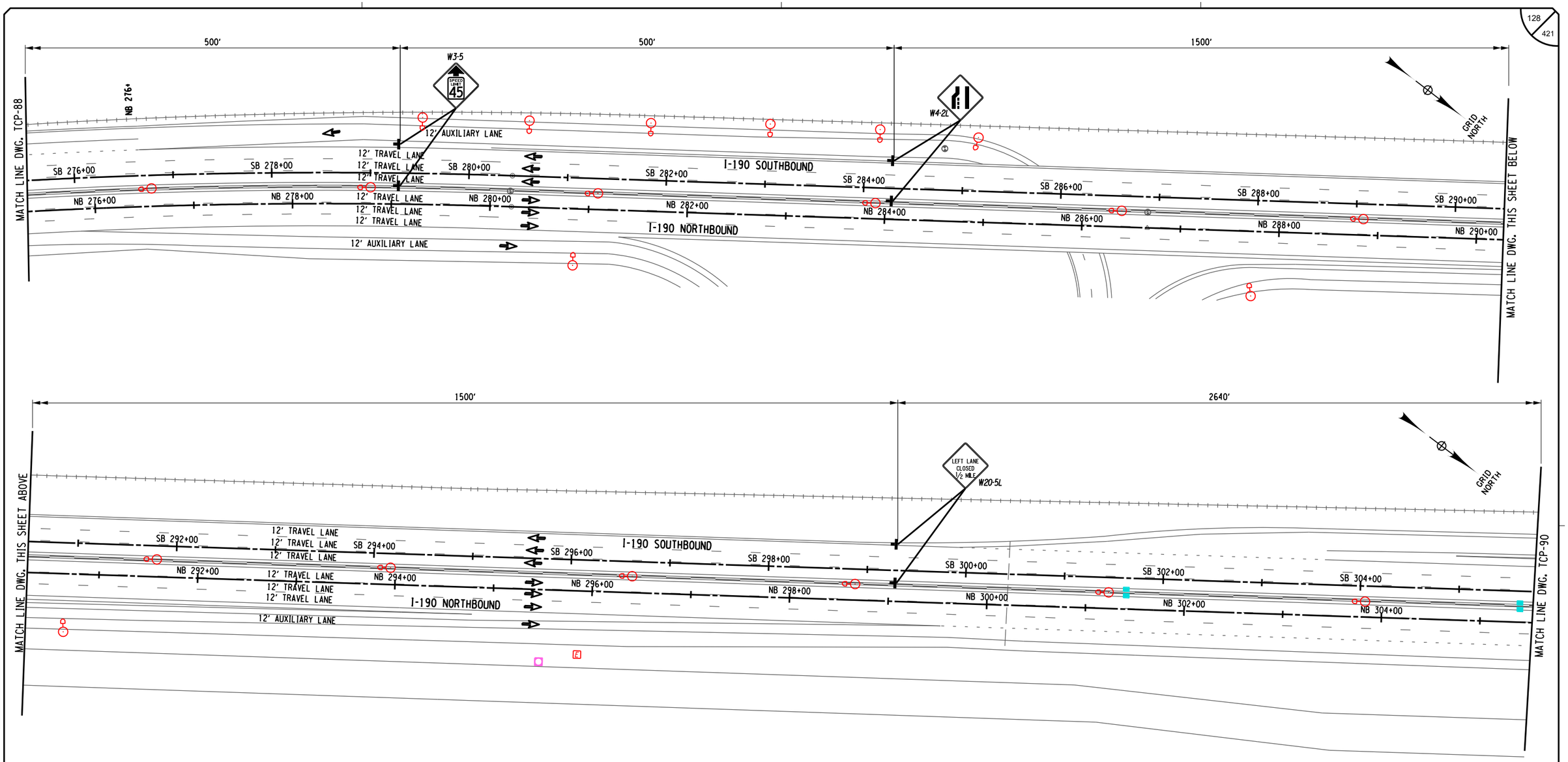
CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: TCP-88

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 - www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

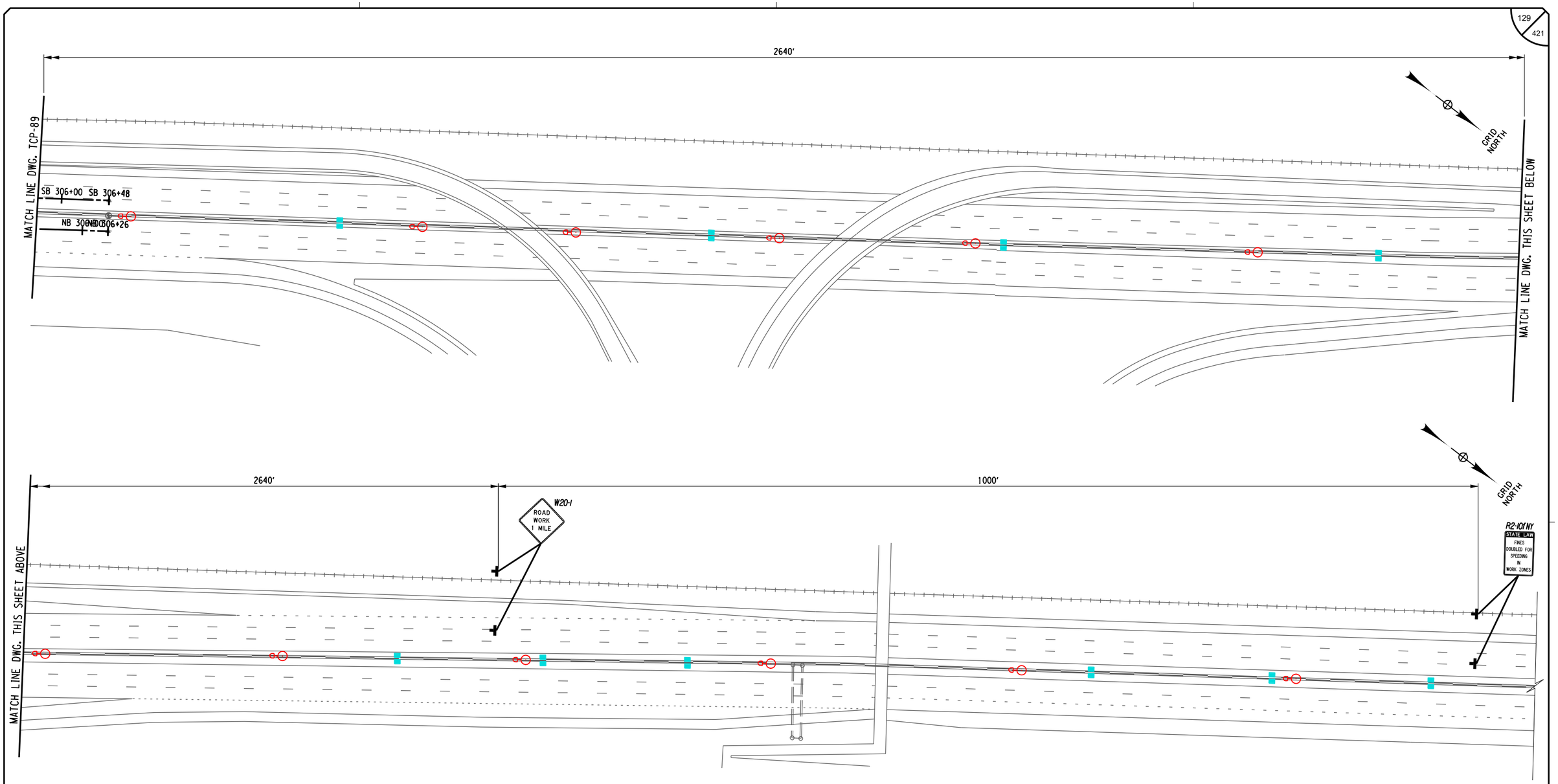
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: TCP-89

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

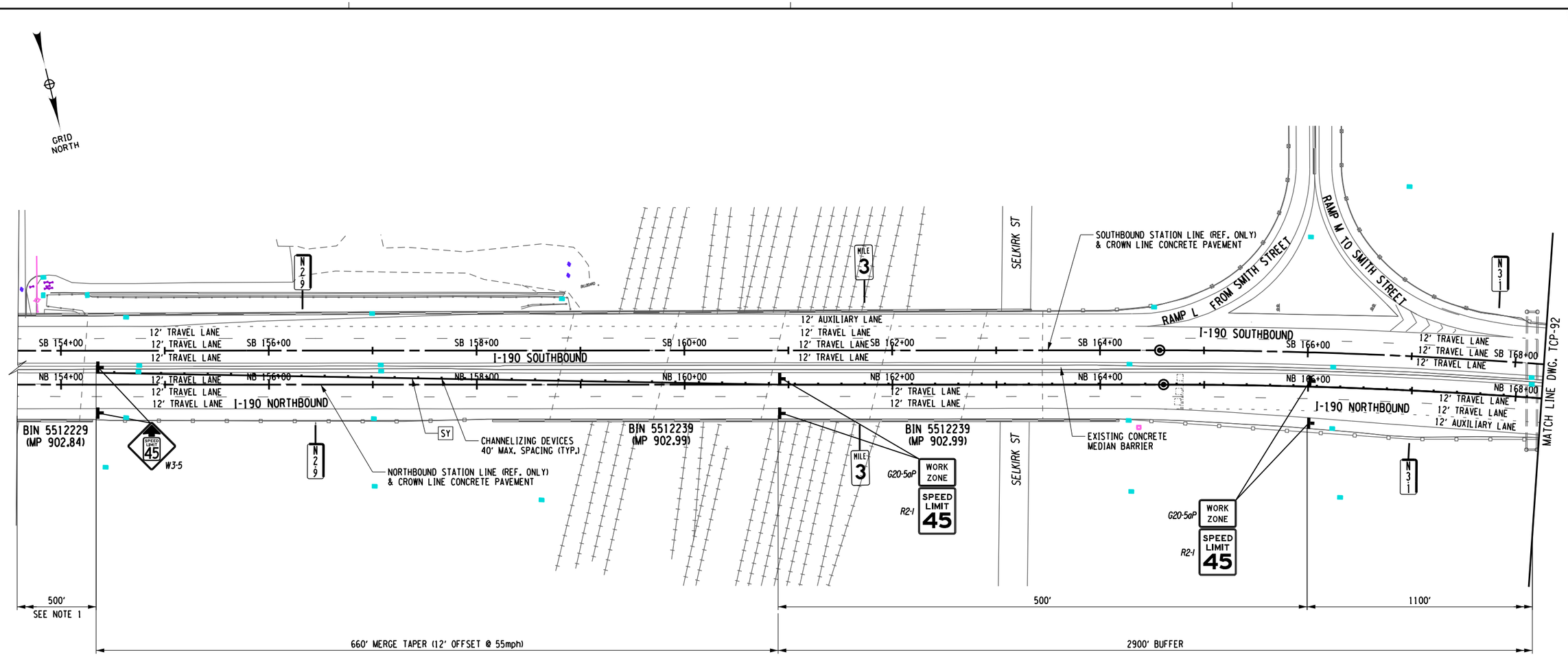
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobldms.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-90



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W3-5 SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

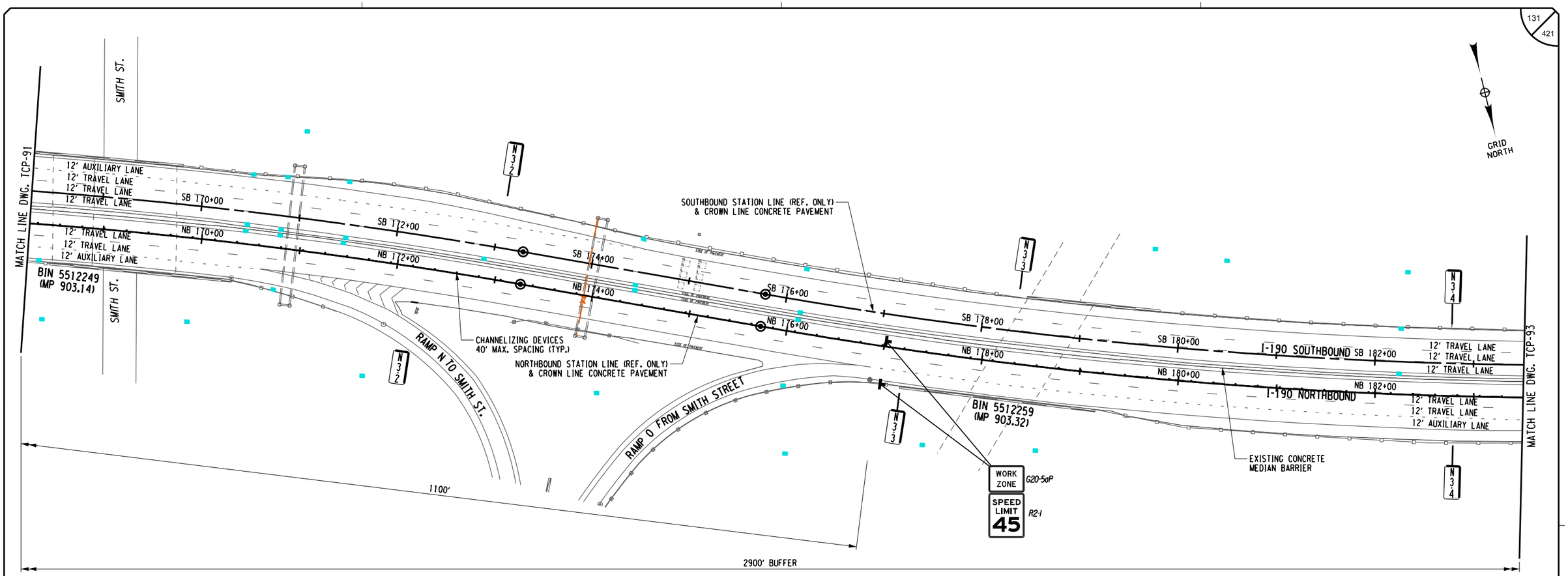
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-91



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · 092577 · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS, WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

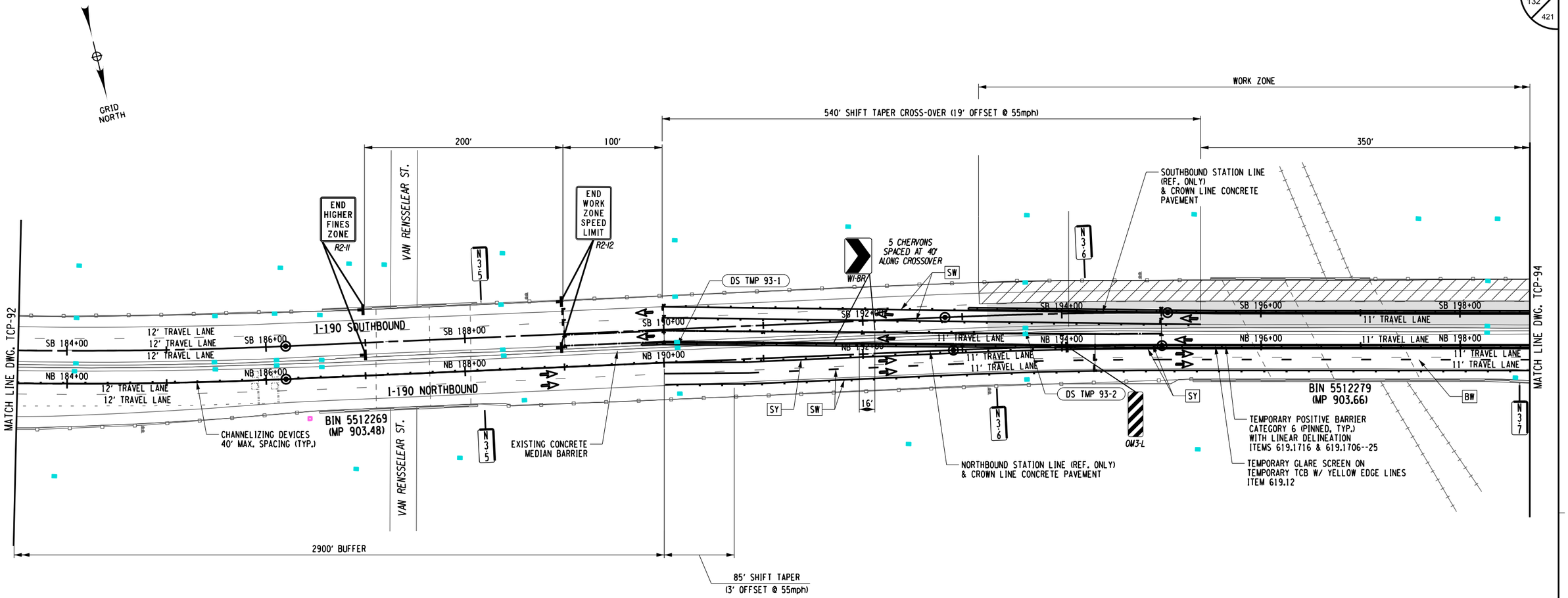
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-92

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

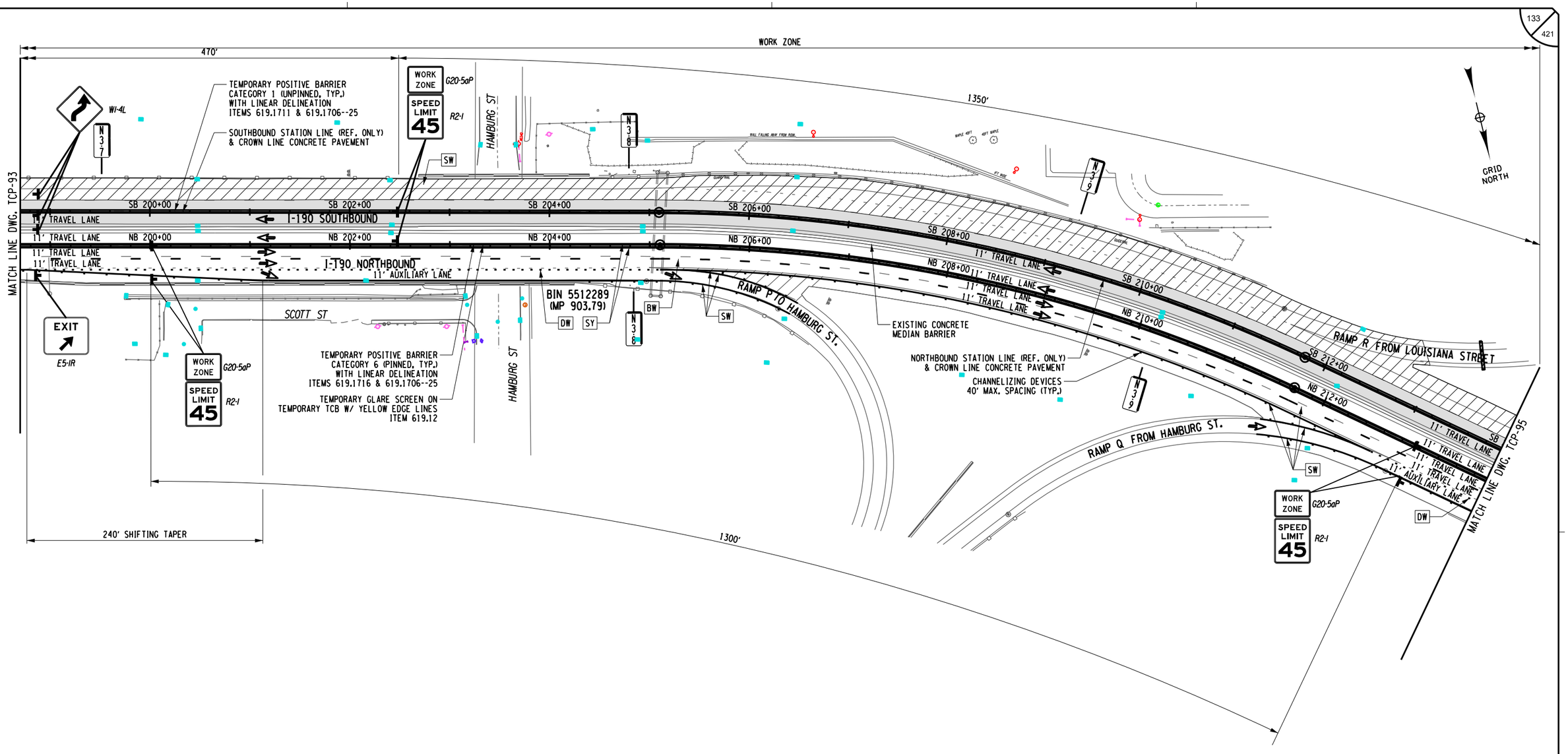
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026

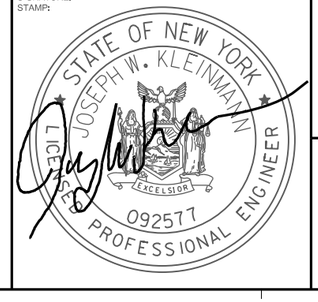
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-93



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

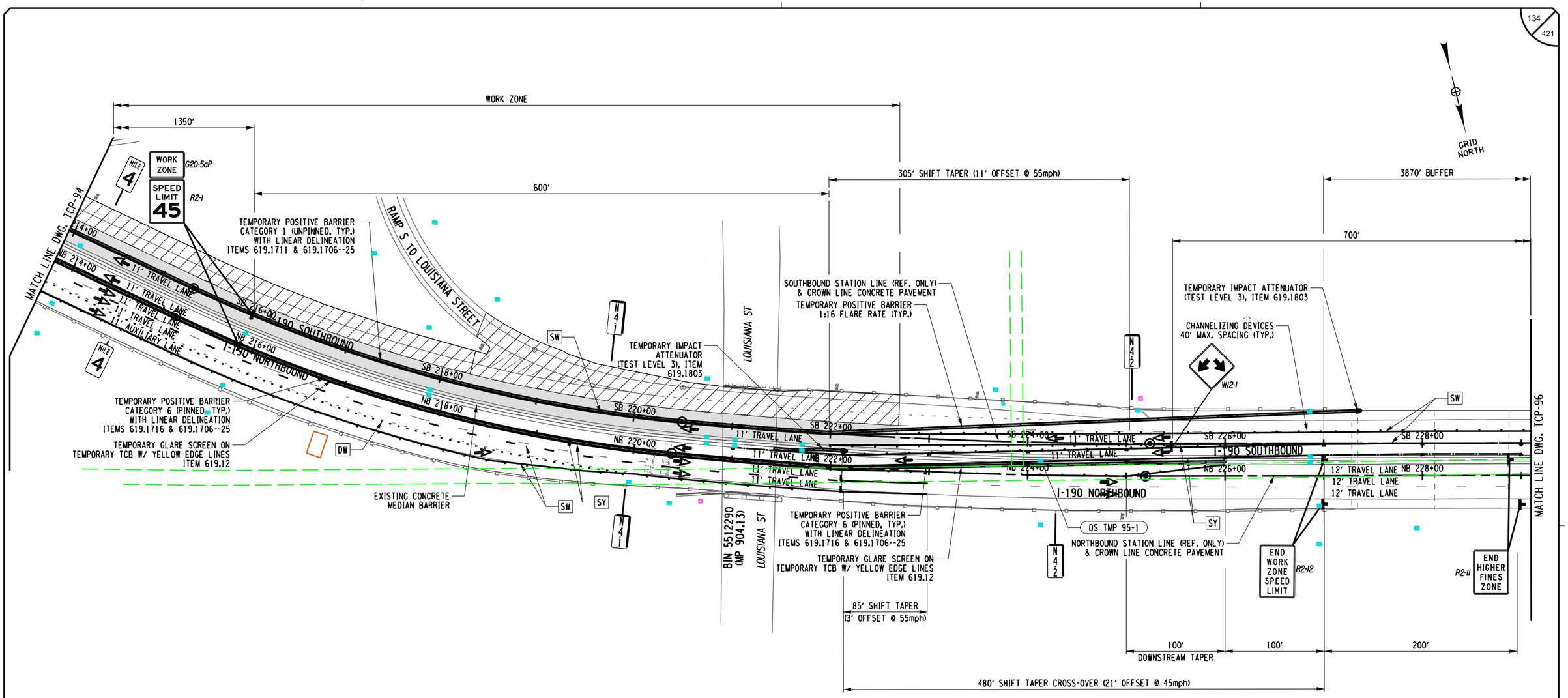
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

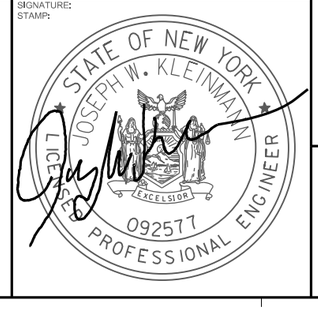
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-94

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

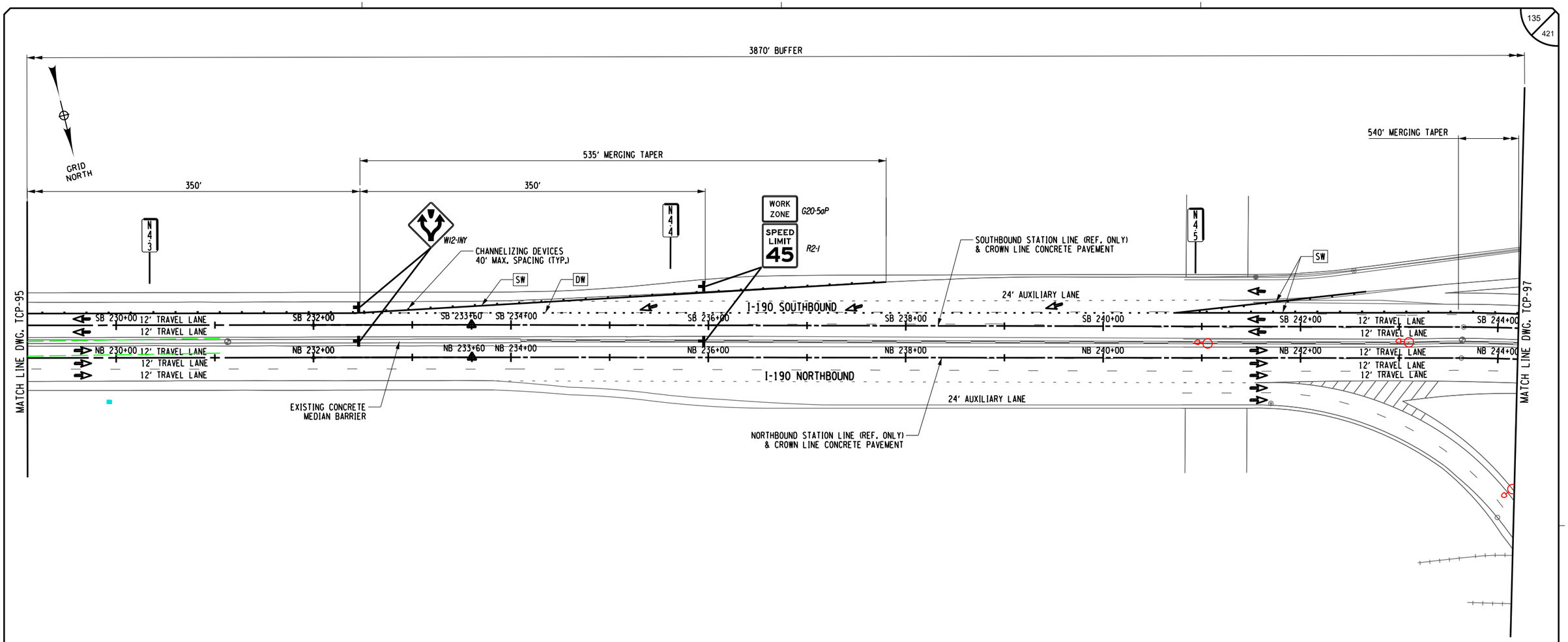
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbe.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-95



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbe.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-96

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

3870' BUFFER

540' MERGING TAPER

MATCH LINE DWG. TCP-96

ROAD WORK AHEAD W20-1

G20-02 END ROAD WORK

ARROW BOARD

N 4 6

CHANNELIZING DEVICES 40' MAX. SPACING (TYP.)

SW

12' TRAVEL LANE SB 246+00
12' TRAVEL LANE
12' TRAVEL LANE NB 246+00
12' TRAVEL LANE
12' TRAVEL LANE

SB 248+00
NB 248+00

DW

SB 250+00
NB 250+00

EXISTING CONCRETE MEDIAN BARRIER

I-190 SOUTHBOUND
I-190 NORTHBOUND

SB 252+00
NB 252+00

SOUTHBOUND STATION LINE (REF. ONLY) & CROWN LINE CONCRETE PAVEMENT

SB 254+00
NB 254+00

12' AUXILIARY LANE

N 4 4

N 4 8

SB 256+00
NB 256+00

NORTHBOUND STATION LINE (REF. ONLY) & CROWN LINE CONCRETE PAVEMENT

12' AUXILIARY LANE
SB 258+00 12' TRAVEL LANE
12' TRAVEL LANE
NB 258+00 12' TRAVEL LANE
12' TRAVEL LANE
12' TRAVEL LANE

MATCH LINE DWG. TCP-98

GRID NORTH

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

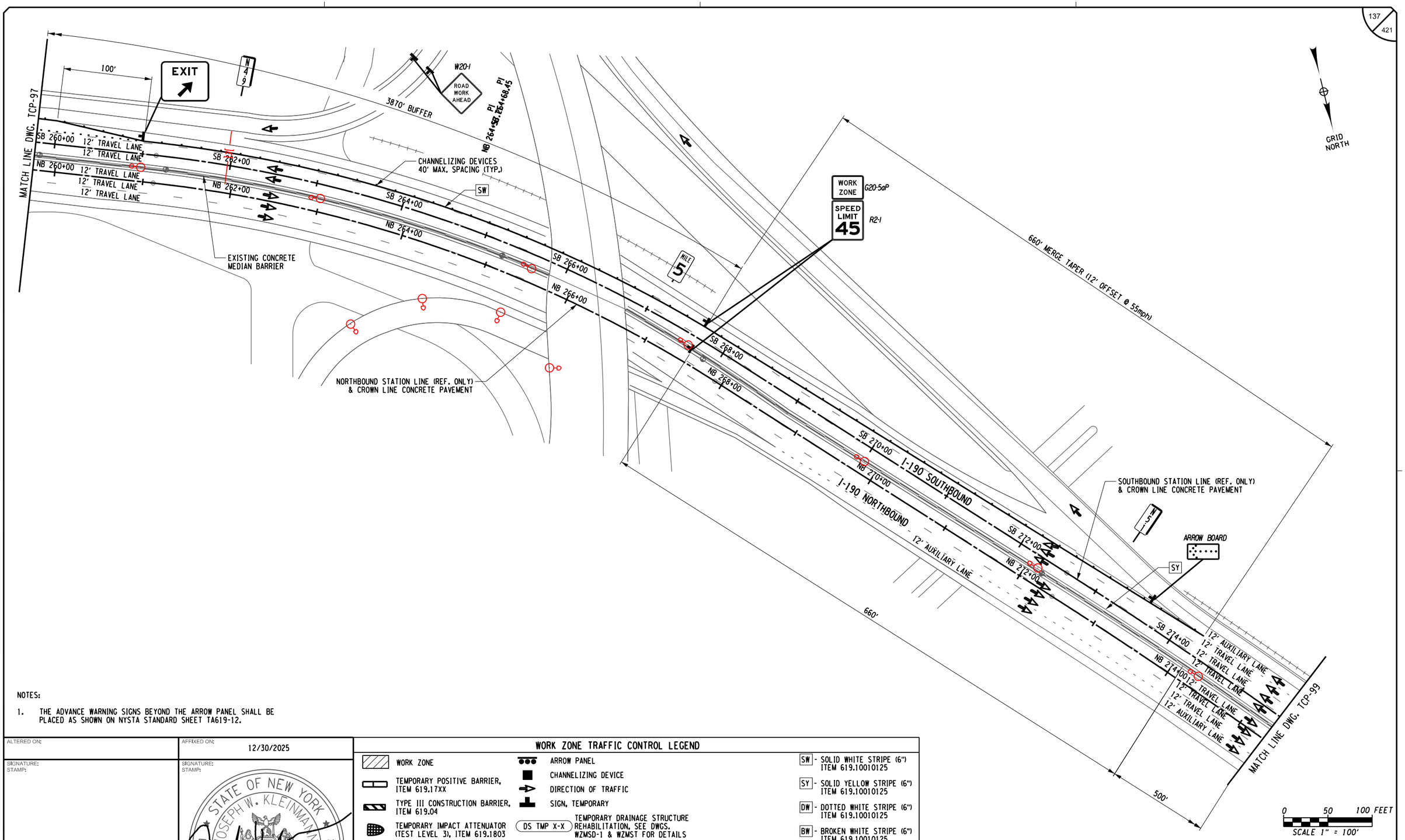
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2	DRAWING NUMBER: TCP-97



NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND THE ARROW PANEL SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

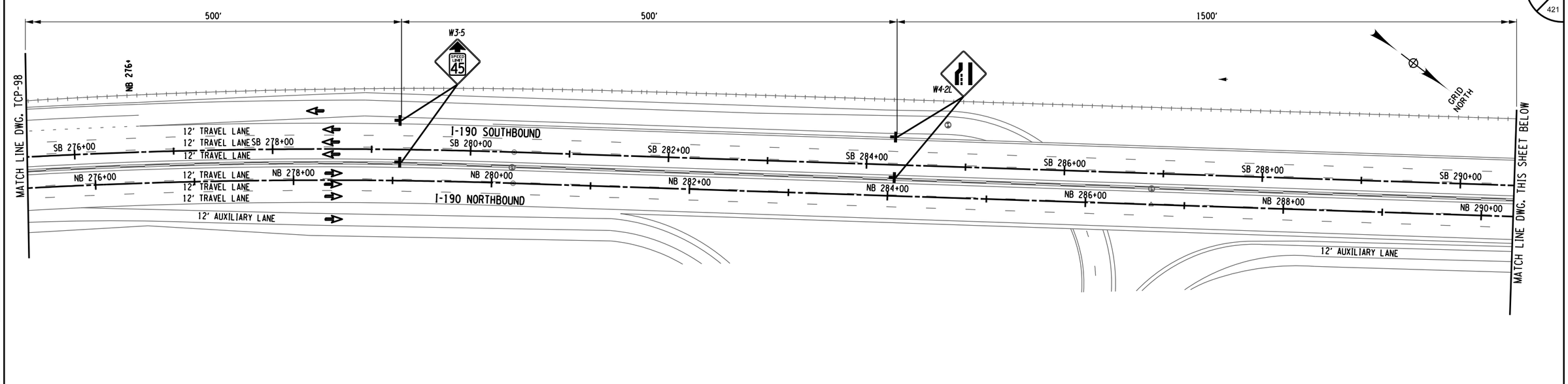
NEW YORK STATE Thruway Authority

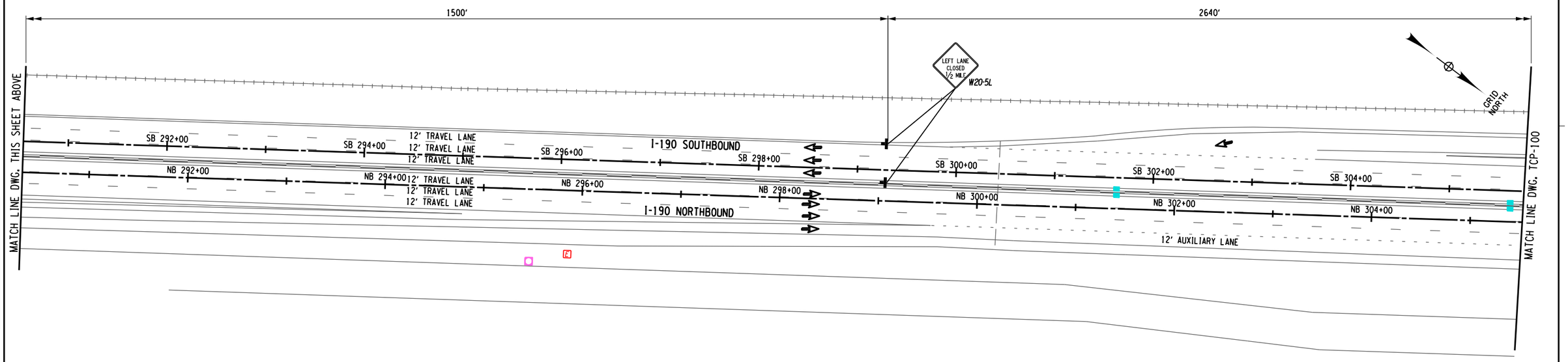
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-98

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN





CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

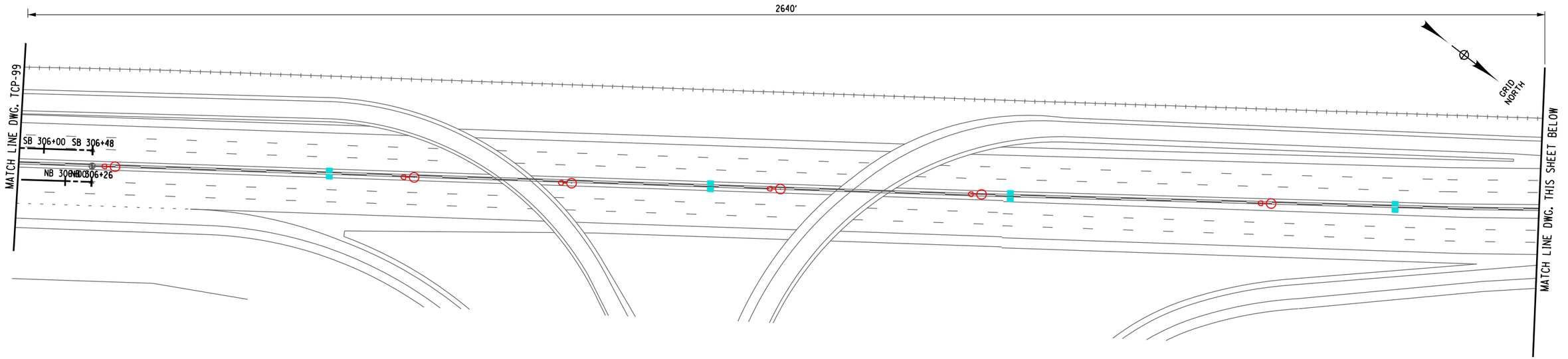
NEW YORK STATE Thruway Authority

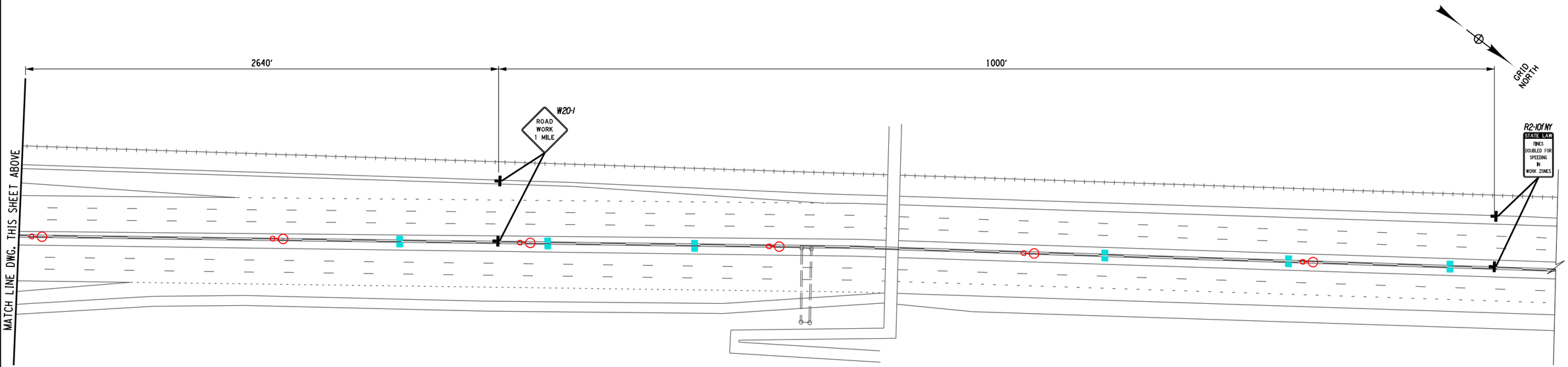
Drawing Copyright © 2025

CHA
50 Century Hill Drive
Latham, NY 12110-2122
518.453.4500 - www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-99

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN





ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

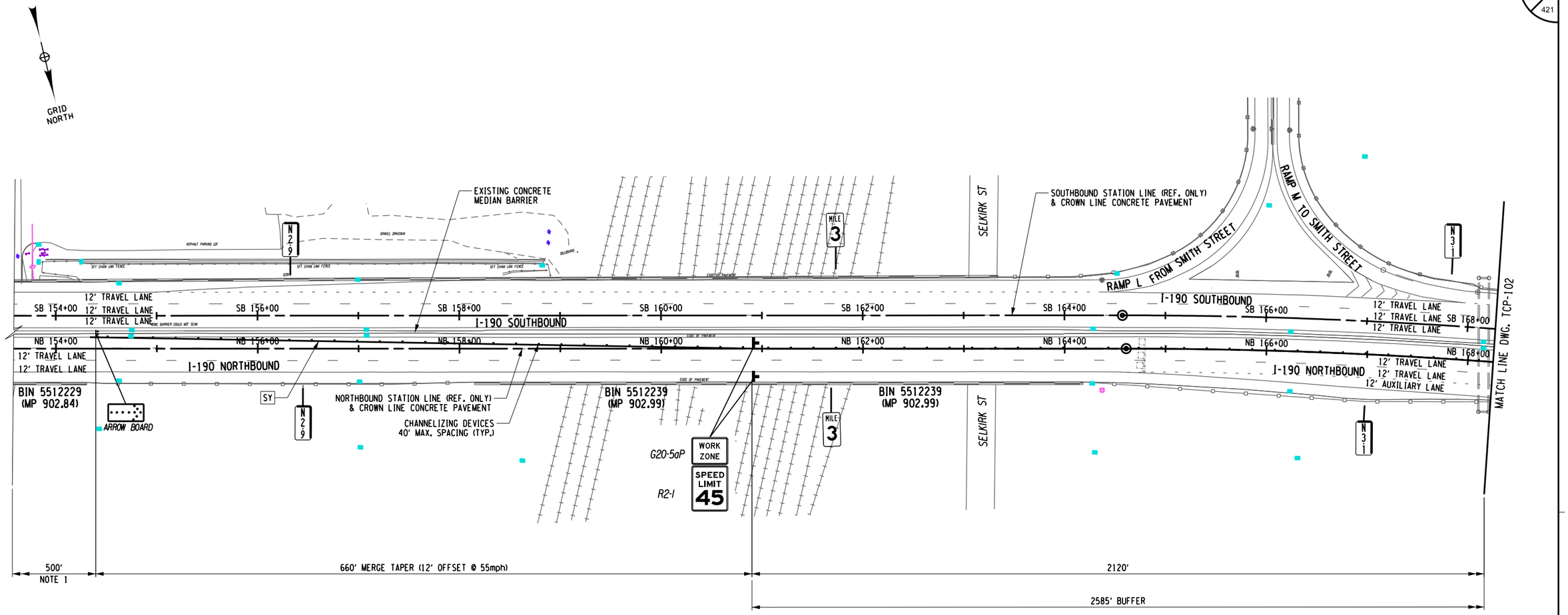
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC SOUTHBOUND SECTION 4/ PHASE 1/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-100



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND THE ARROW PANEL SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

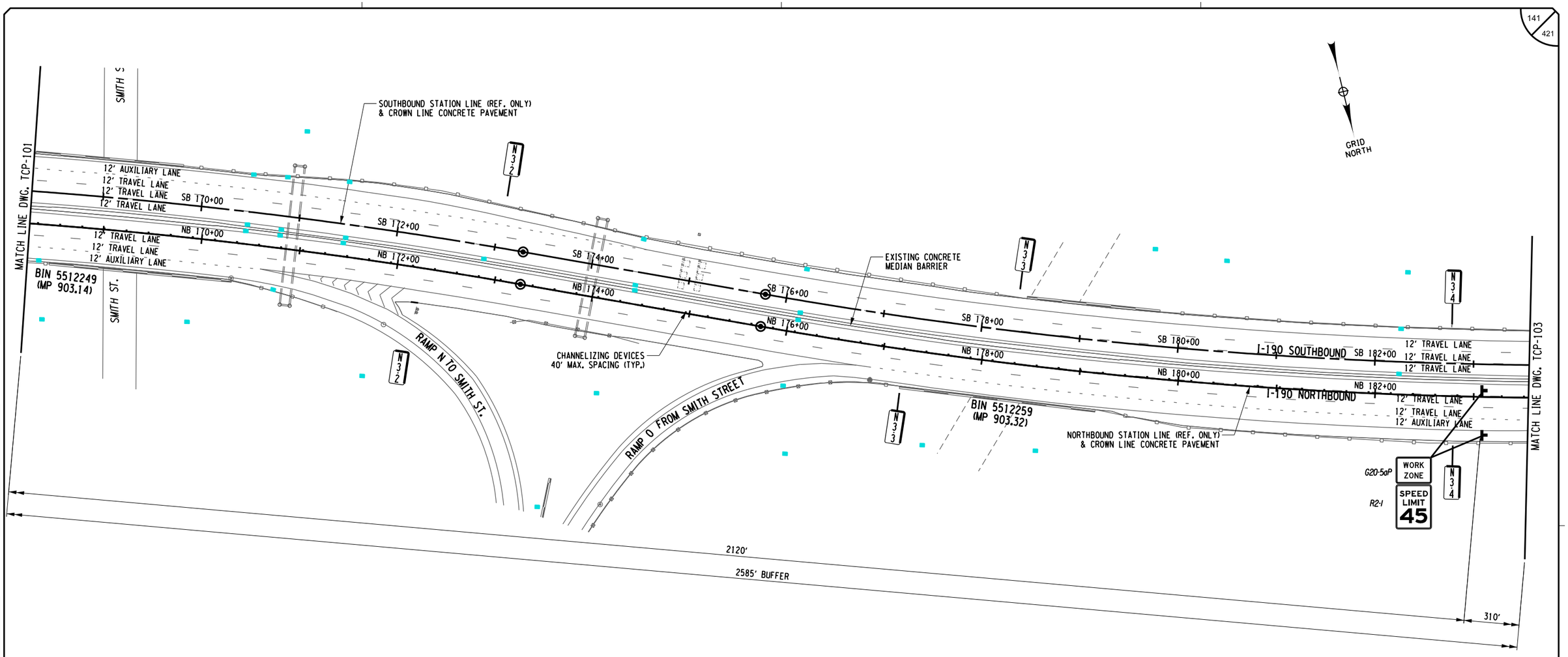
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-101

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

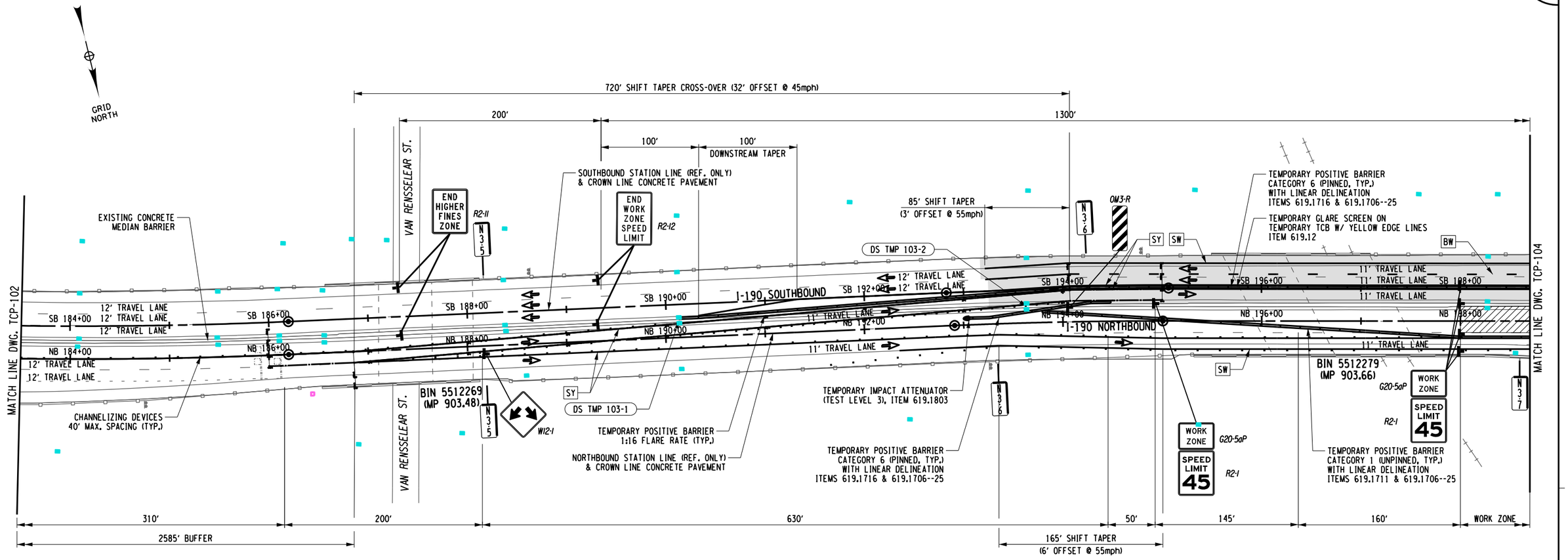
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 • www.chacompanies.com

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-102



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

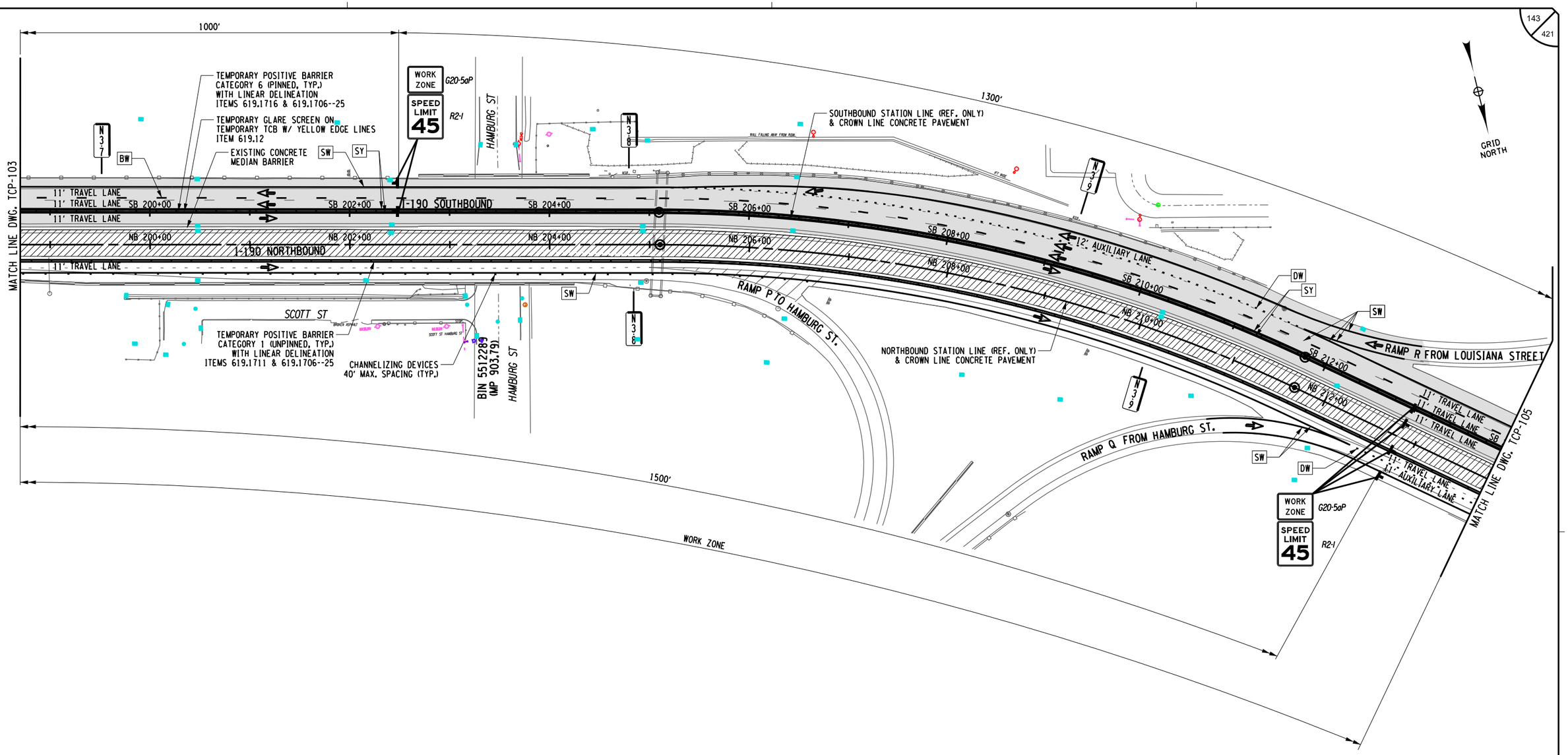
DATE	DESCRIPTION	BY	SYM.

New York State Thruway Authority

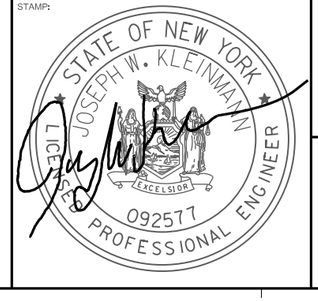
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1600 · www.chacobinns.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-103



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

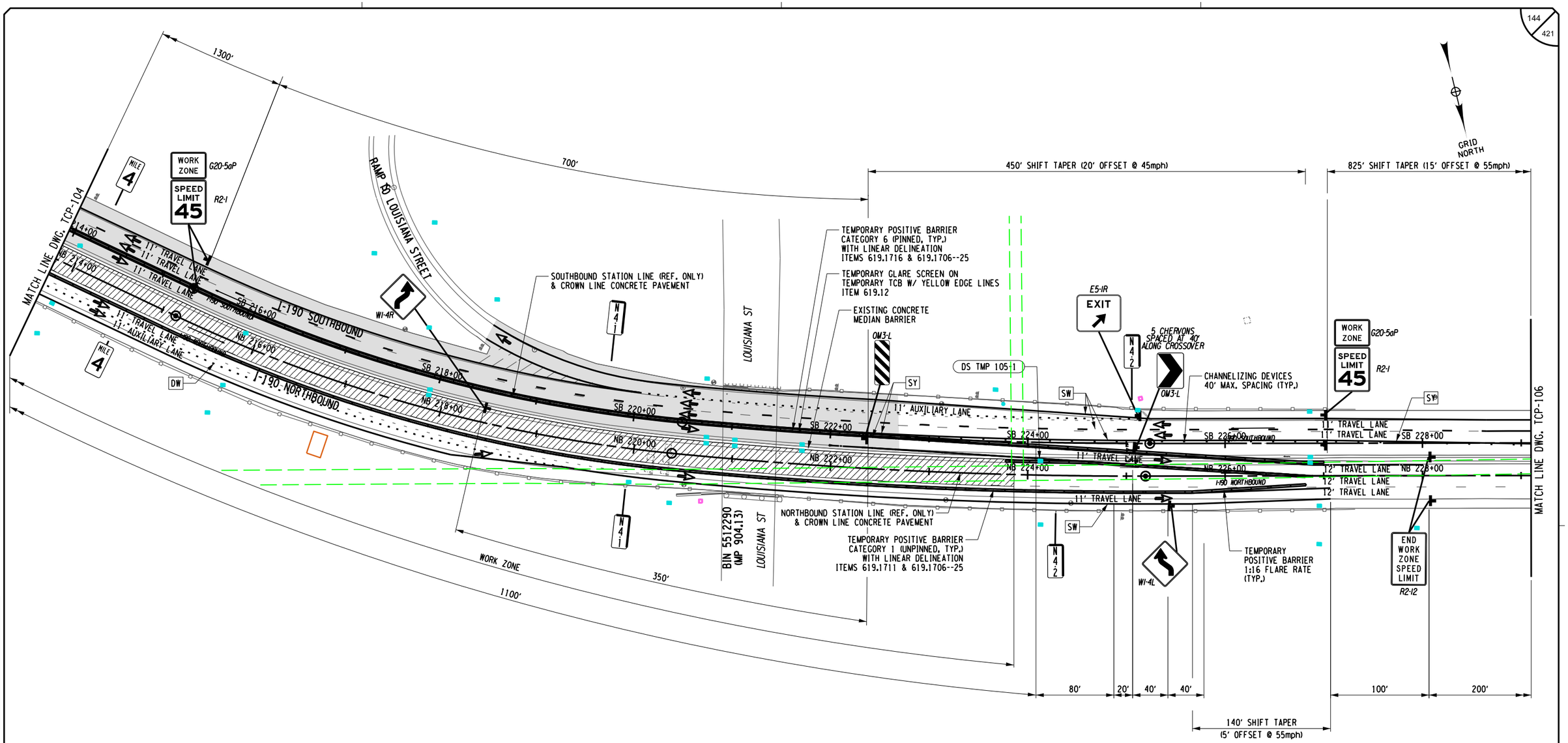
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-104

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

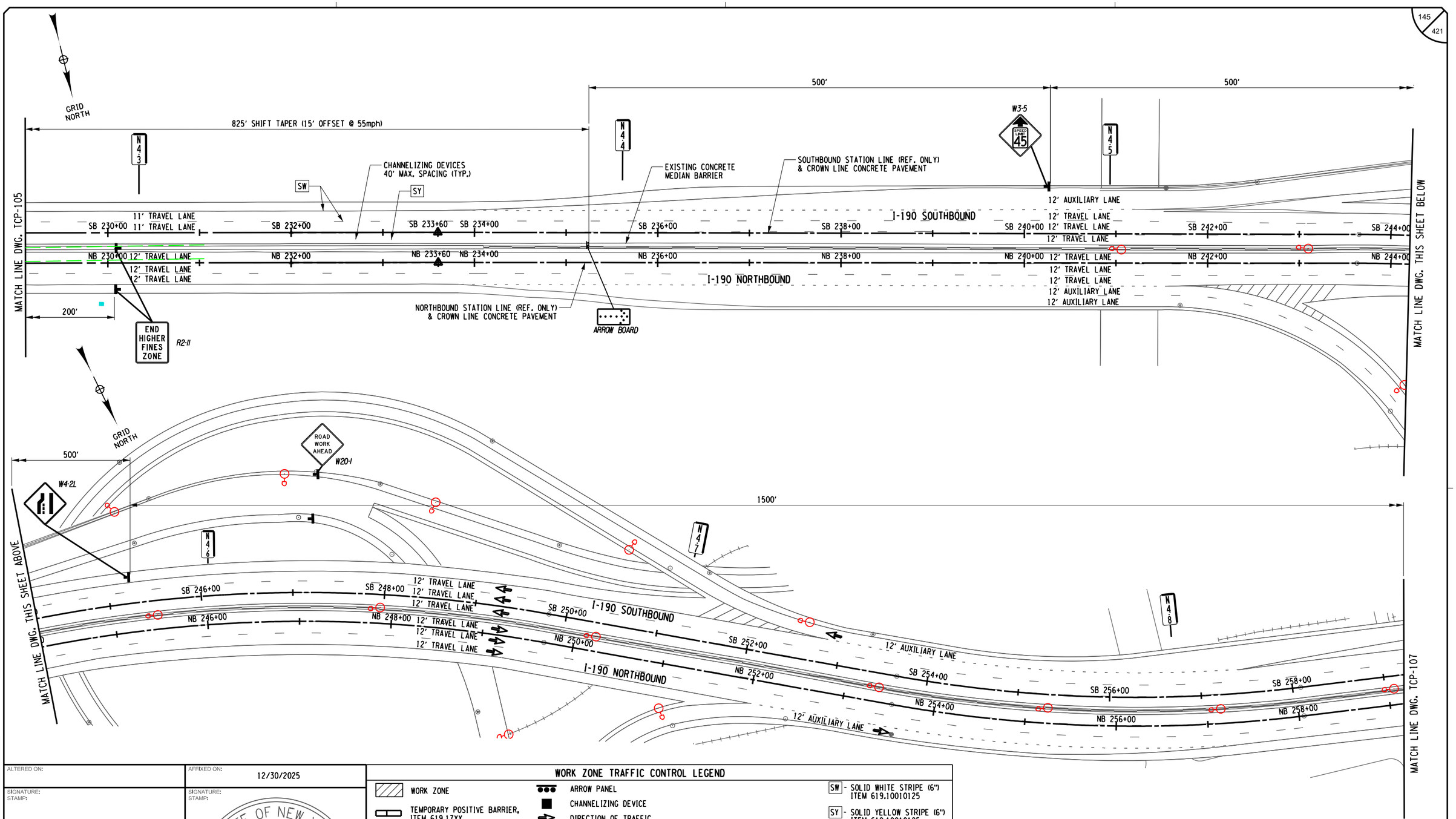
NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-105

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W3-5 SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

Drawing Copyright © 2025

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

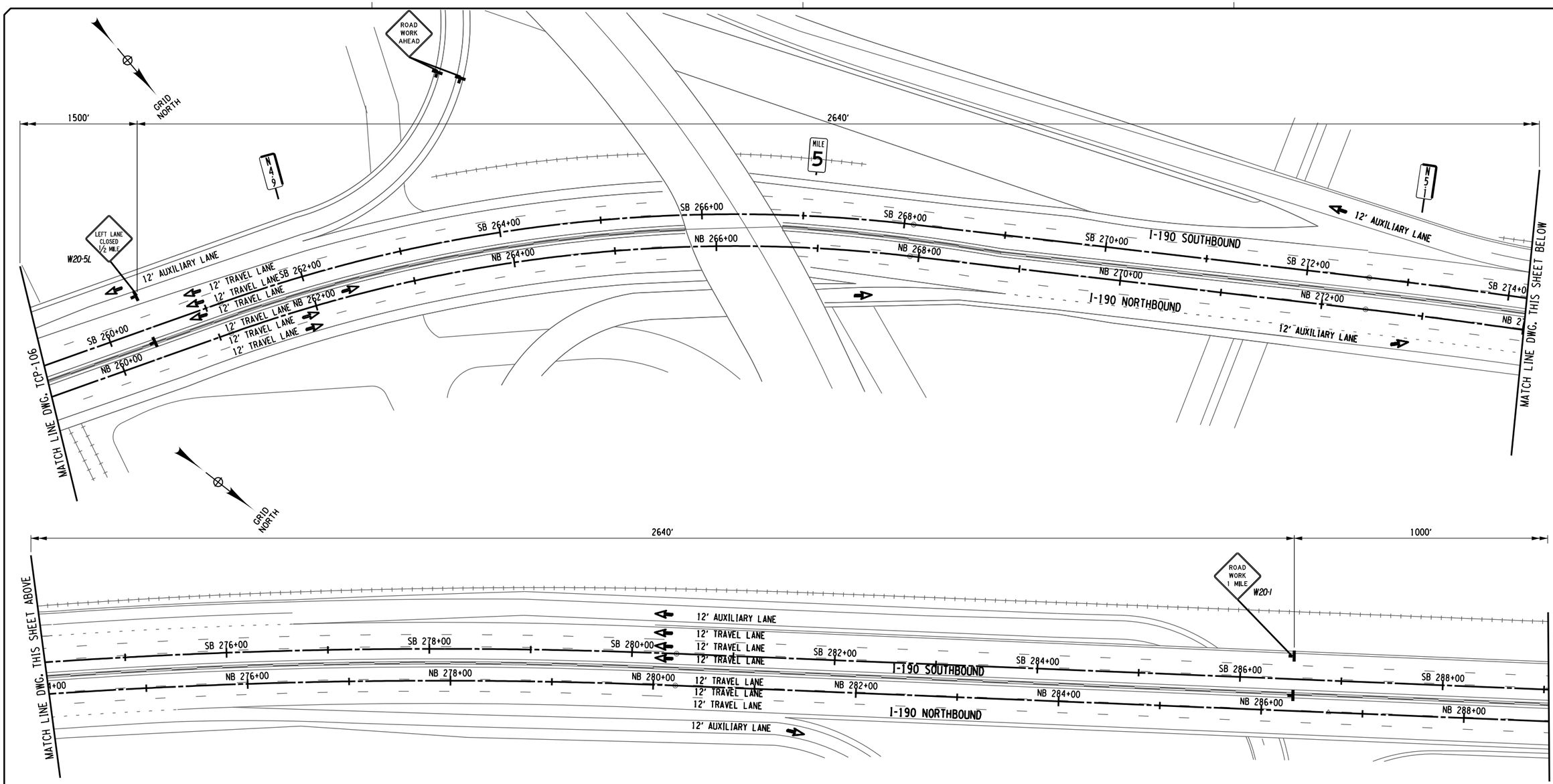
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: TCP-106



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGN SUPERVISOR: D MARSH
QUALITY CONTROL BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

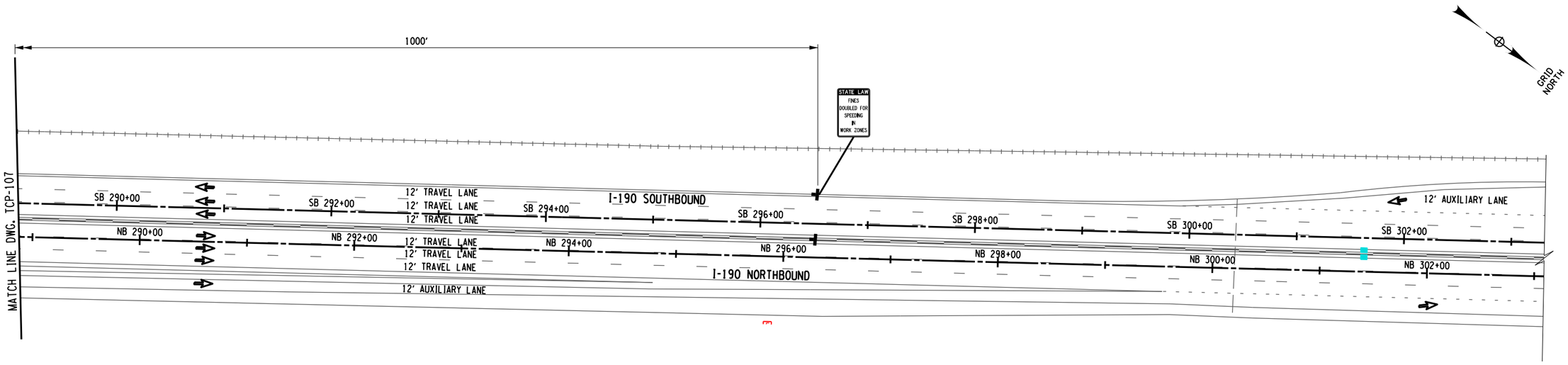
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-107



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

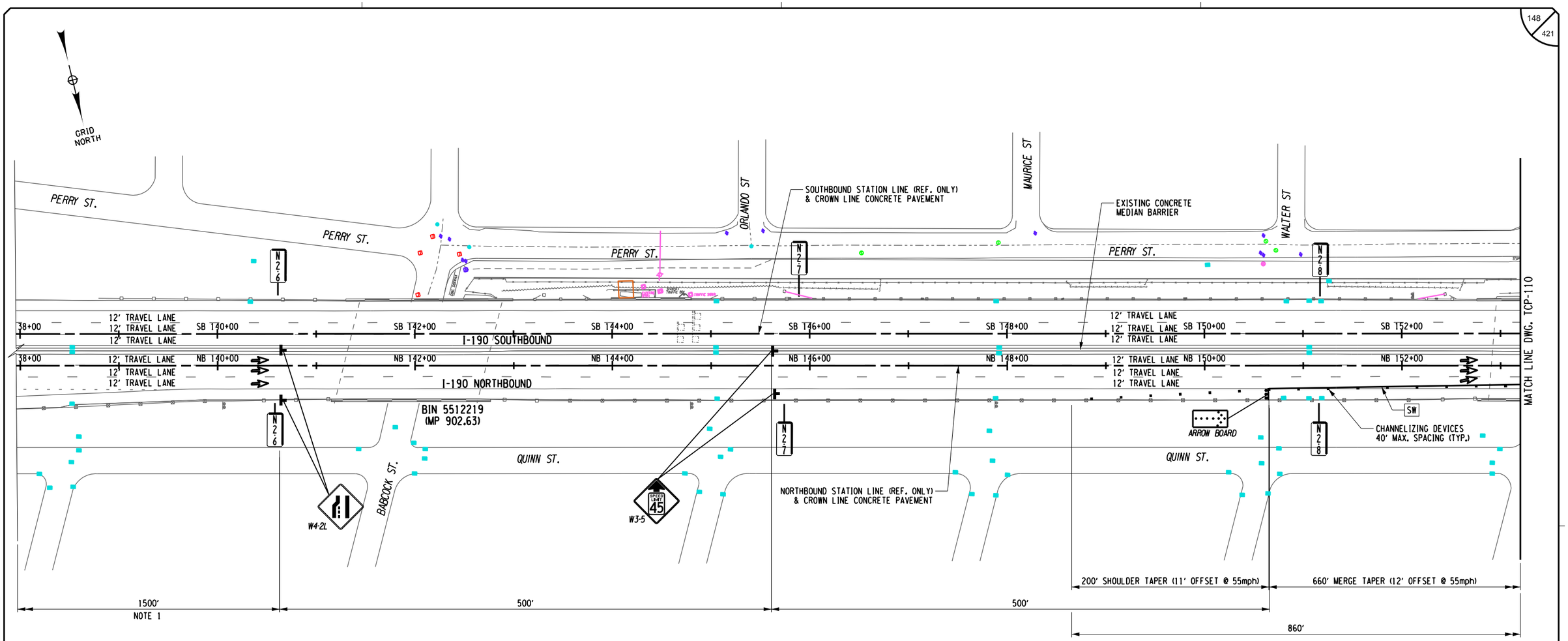
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 1	DRAWING NUMBER: TCP-108

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

NOTES:

1. THE ADVANCE WARNING SIGNS BEYOND W4-2L SHALL BE PLACED AS SHOWN ON NYSTA STANDARD SHEET TA619-12.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

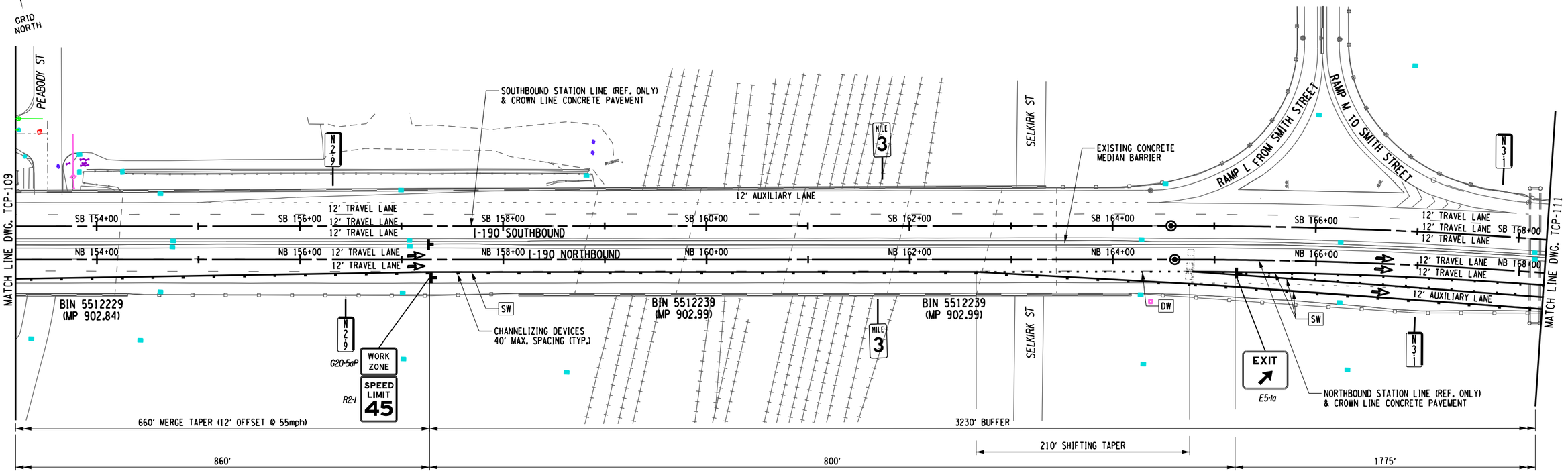
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
200 Main-Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-109



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

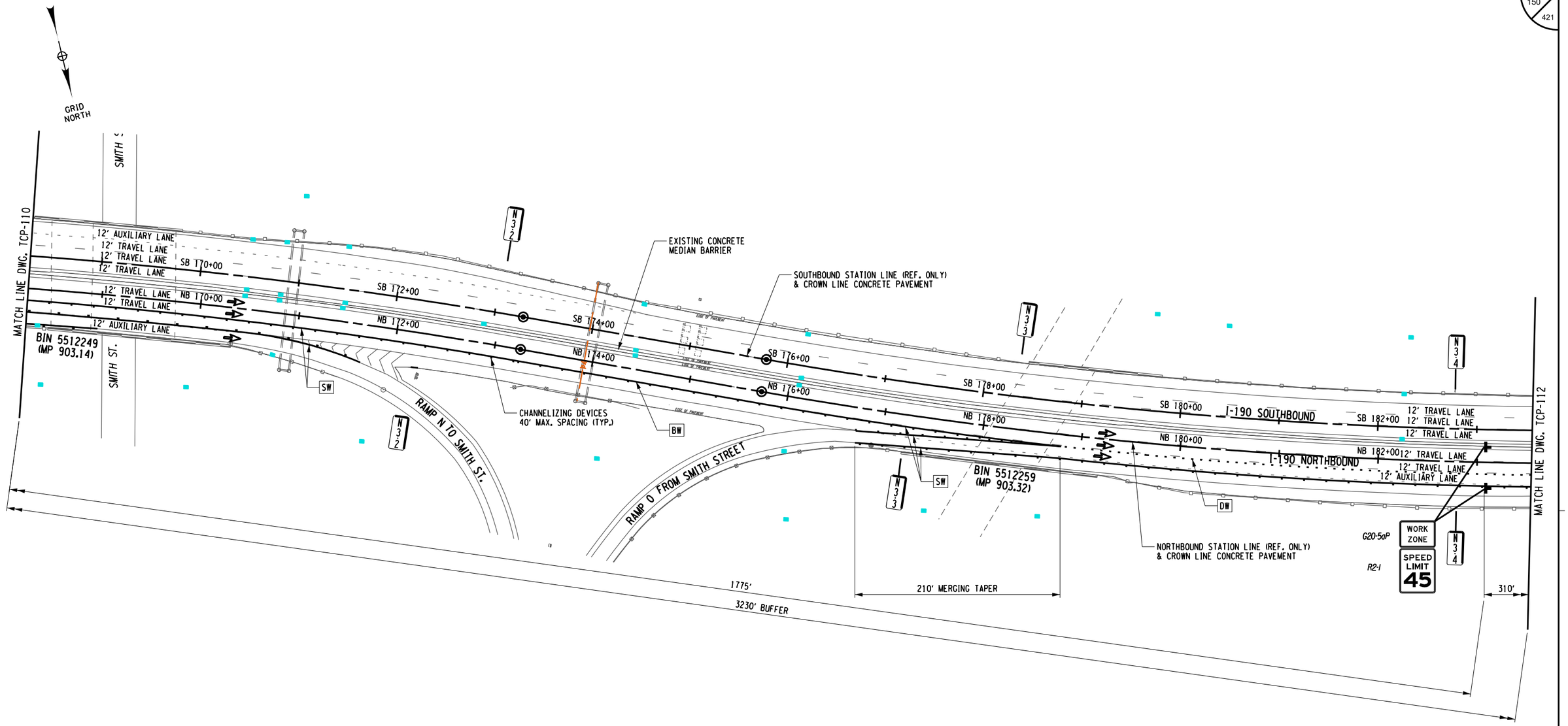
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbltons.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-110

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS

- [SW] - SOLID WHITE STRIPE (6") ITEM 619.10010125
- [SY] - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- [DW] - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- [BW] - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

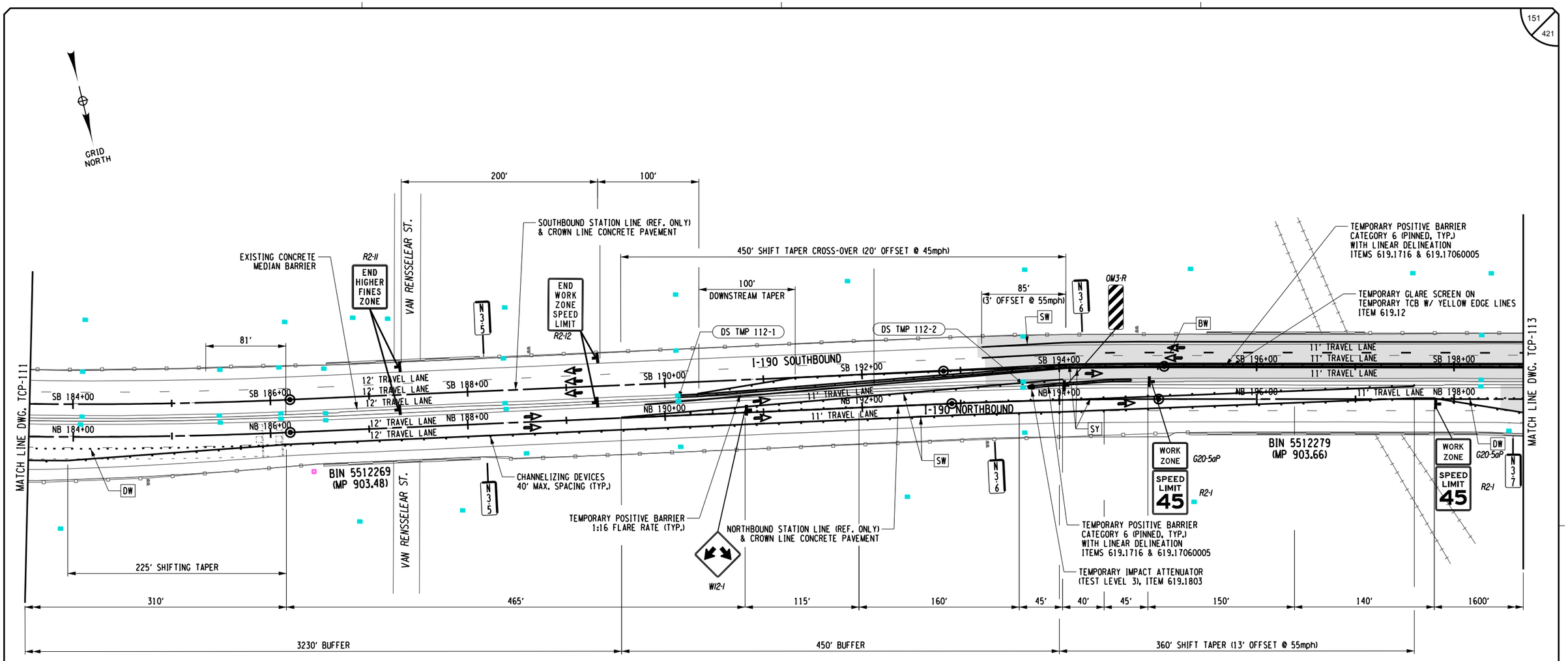
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-111

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

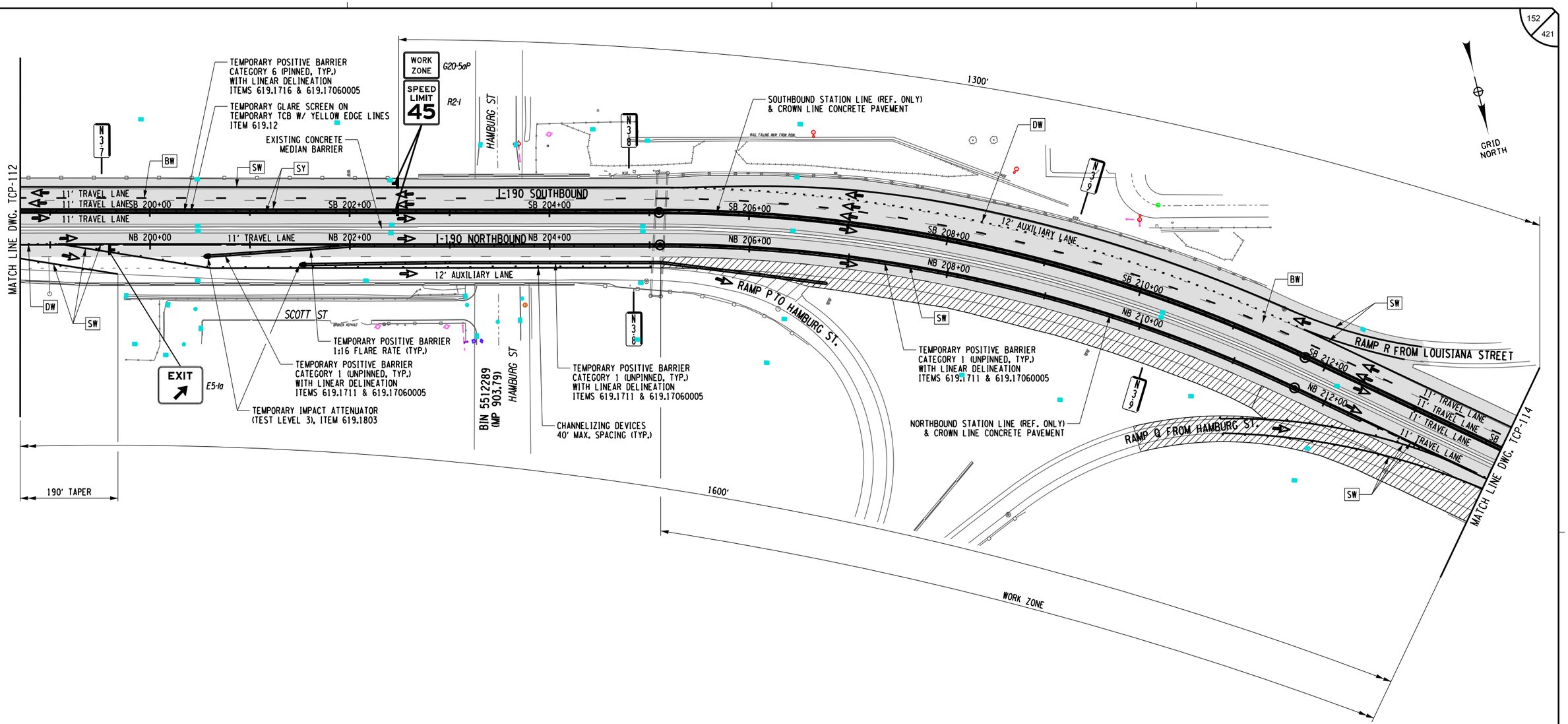
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbltons.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-112

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · EXCELSIOR · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

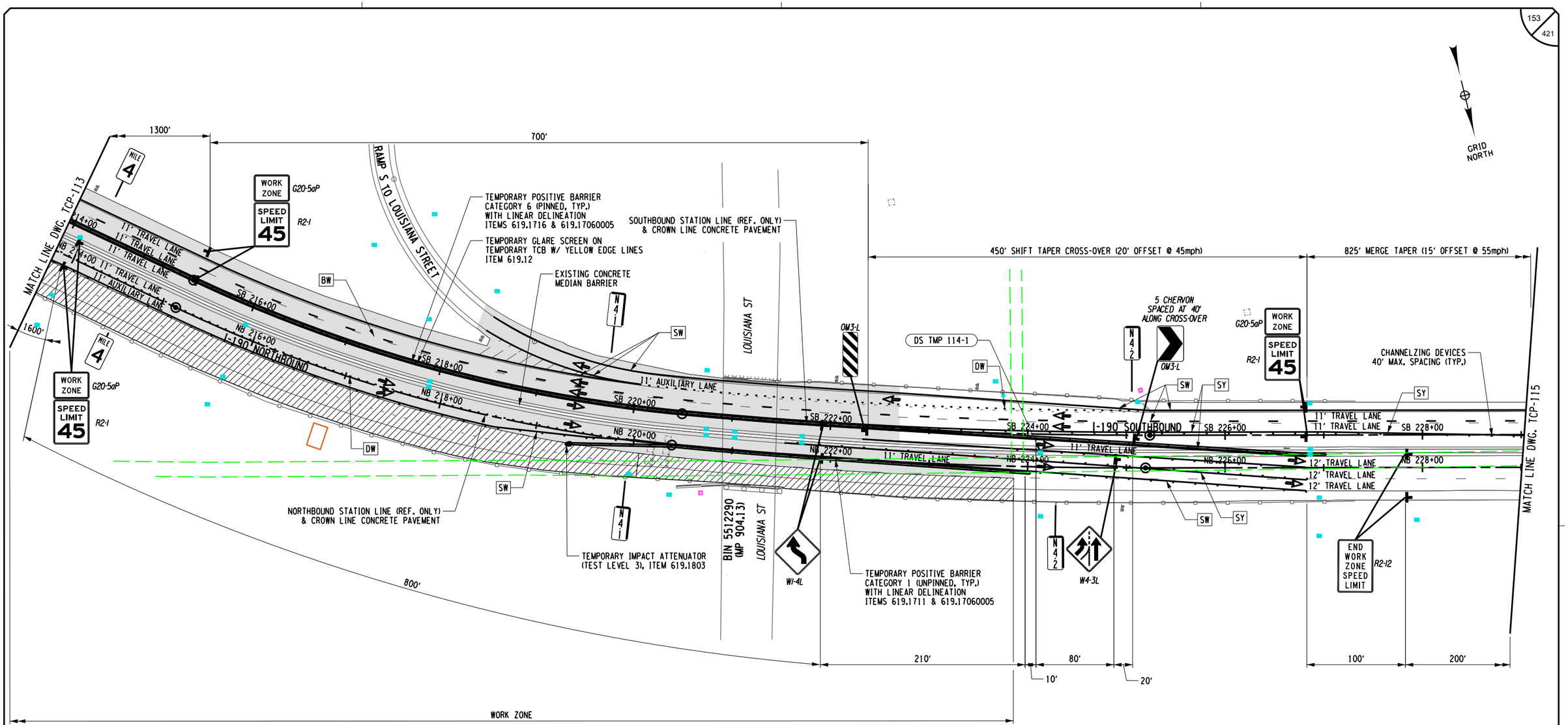
NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-113

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- (DS TMP X-X) TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

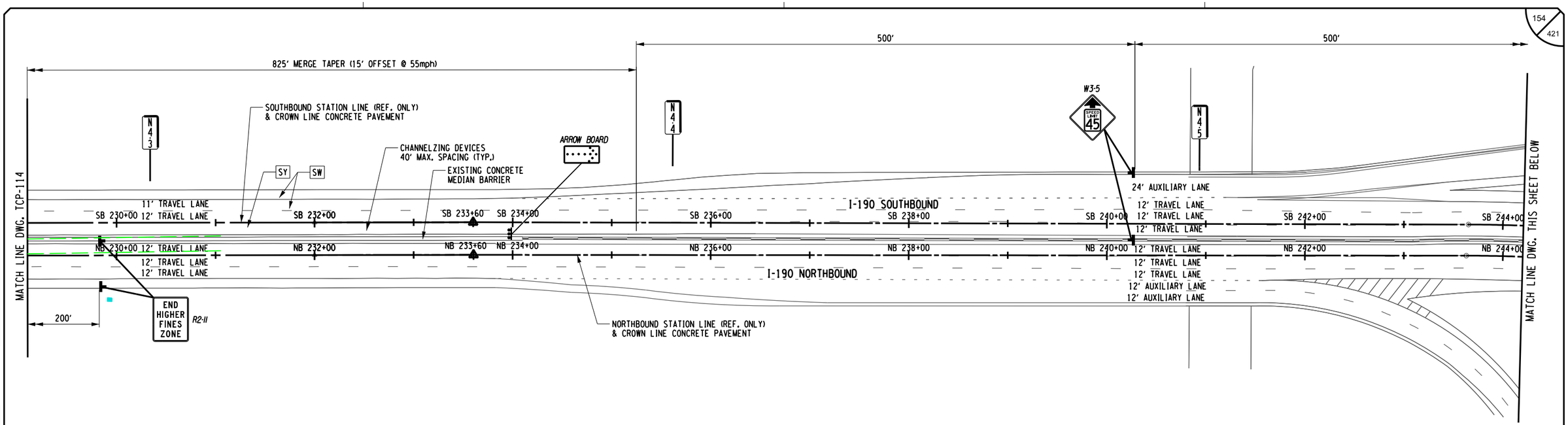
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-114

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
092577
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

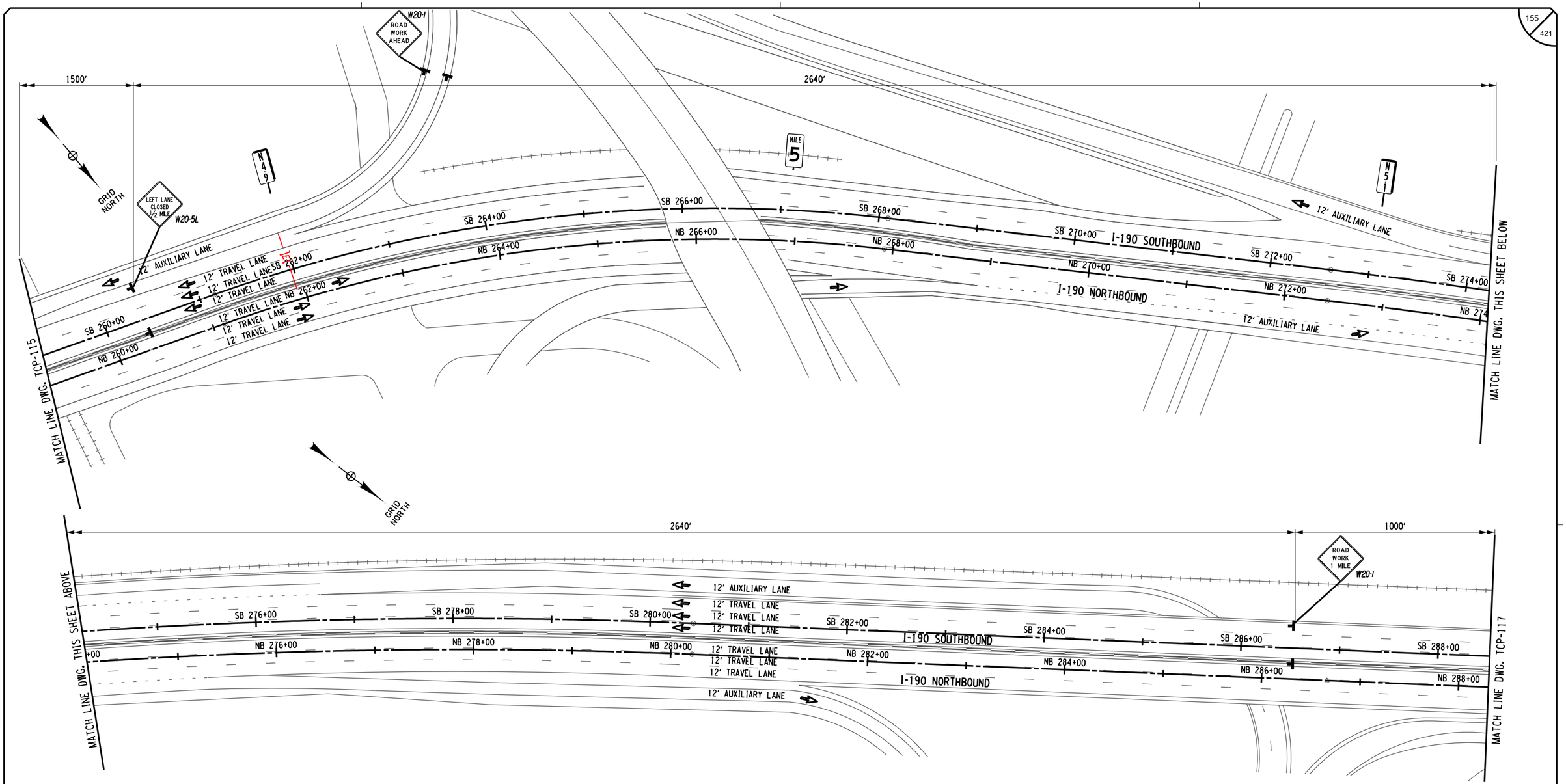
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacobleinc.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: TCP-115



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN 092577 LICENSED PROFESSIONAL ENGINEER EXCELSIOR

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

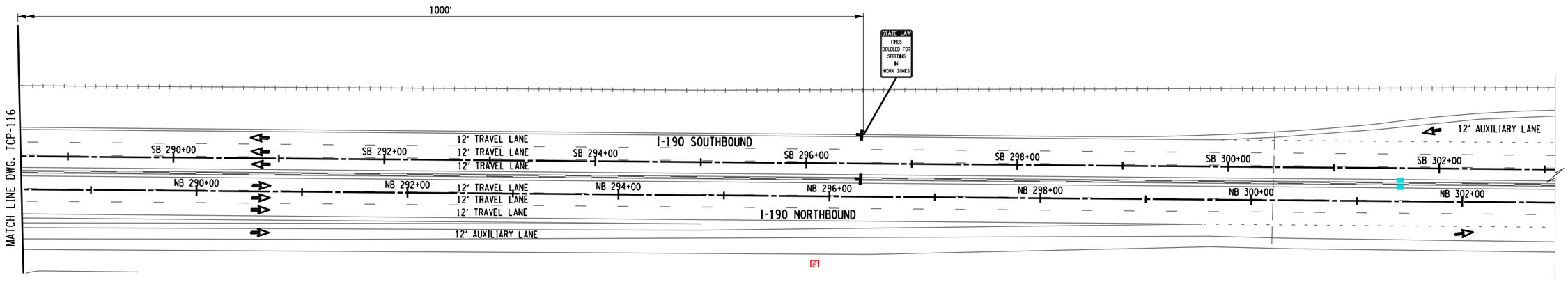
Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2	DRAWING NUMBER: TCP-116

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
QUALITY CONTROL BY: J KLEINMANN

GRID NORTH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

WORK ZONE TRAFFIC CONTROL LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- TYPE III CONSTRUCTION BARRIER, ITEM 619.04
- TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3), ITEM 619.1803
- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- DS TMP X-X — TEMPORARY DRAINAGE STRUCTURE REHABILITATION, SEE DWGS. WZMSD-1 & WZMST FOR DETAILS
- SW - SOLID WHITE STRIPE (6") ITEM 619.10010125
- SY - SOLID YELLOW STRIPE (6") ITEM 619.10010125
- DW - DOTTED WHITE STRIPE (6") ITEM 619.10010125
- BW - BROKEN WHITE STRIPE (6") ITEM 619.10010125

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	WZTC NORTHBOUND SECTION 4/ PHASE 2/ STAGE 2
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	TCP-117

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

GRID NORTH

℄ TPB ANG. PT.
N 1048018.80
E 1090911.56

℄ TPB END
N 1048018.80
E 1090931.55

NO. 5

DS TMP 7-1
SEE NOTE 1

S. OGDEN ST.

RAMP B FROM

B 7+70

B 7+00

13' AUXILIARY LANE

I-190 SOUTHBOUND

10.5' TRAVEL LANE

11.0' TRAVEL LANE

29+00

ML 30+00

ML 31+00

ML 32+00

ML 33+00

ML 34+00

ML 35+00

ML 36+00

ML 37+00

ML 38+00

APPROXIMATE ℄ NIAGARA THRUWAY

12' TRAVEL LANE

12' TRAVEL LANE

12' AUXILIARY LANE

A 7+00

I-190 NORTHBOUND

A 9+00

RAMP A TO DINGENS ST.

A 11+00

NO. 6

DS TMP 7-2
SEE NOTE 1

TO S. OGDEN ST.
RAMP D

TEMPORARY POSITIVE BARRIER
CATEGORY 6 (PINNING REQUIRED)
WITH LINEAR DELINEATION
ITEMS 619.1716 & 619.17060025

CHANNELIZING DEVICE (TYP.)

TEMPORARY POSITIVE BARRIER
CATEGORY 6 (PINNING REQUIRED)
WITH LINEAR DELINEATION
ITEMS 619.1716 & 619.17060025

11' TRAVEL LANE

10.5' TRAVEL LANE

℄ TPB ANG. PT.
N 1048082.98
E 1090107.17

C 9+00

CROSSOVER
SECTION 1 / PHASE 1 / STAGE 1
M.P. 900.55

DS TMP 18-1
SEE NOTE 1

℄ TPB END
N 1048018.35
E 1090956.04

TEMPORARY POSITIVE BARRIER
CATEGORY 1 (PINNING PROHIBITED)
WITH LINEAR DELINEATION
ITEMS 619.1711 & 619.17060025

℄ TPB ANG. PT.
N 1048031.26
E 1090663.49

B 7+70

B 7+00

S. OGDEN ST.

RAMP B FROM

APPROXIMATE ℄ NIAGARA THRUWAY

NO. 6

TEMPORARY POSITIVE BARRIER
CATEGORY 6 (PINNING REQUIRED)
WITH LINEAR DELINEATION
ITEMS 619.1716 & 619.17060025

℄ TPB ANG. PT.
N 1048021.78
E 1090106.67

TO S. OGDEN ST.
RAMP D

CHANNELIZING DEVICE (TYP.)

I-190 SOUTHBOUND

ML 30+00

ML 31+00

ML 32+00

ML 33+00

11.0' TRAVEL LANE

ML 34+00

10.5' TRAVEL LANE

ML 35+00

ML 36+00

ML 37+00

ML 38+00

I-190 NORTHBOUND

A 7+00

A 9+00

RAMP A TO DINGENS ST.

TEMPORARY IMPACT ATTENUATOR
(TEST LEVEL 3), ITEM 619.1803

℄ TPB END
N 1048072.86
E 1090766.65

℄ TPB ANG. PT.
N 1048058.80
E 1090599.66

NO. 6

DS TMP 18-2
SEE NOTE 1

℄ TPB ANG. PT.
N 1048058.80
E 1090599.66

℄ TPB ANG. PT.
N 1048048.25
E 1090145.12

℄ TPB END
N 1048048.71
E 1090125.13

FROM DINGENS ST.
RAMP C

CROSSOVER
SECTION 1 / PHASE 1 / STAGE 2
M.P. 900.55

NOTES:

1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

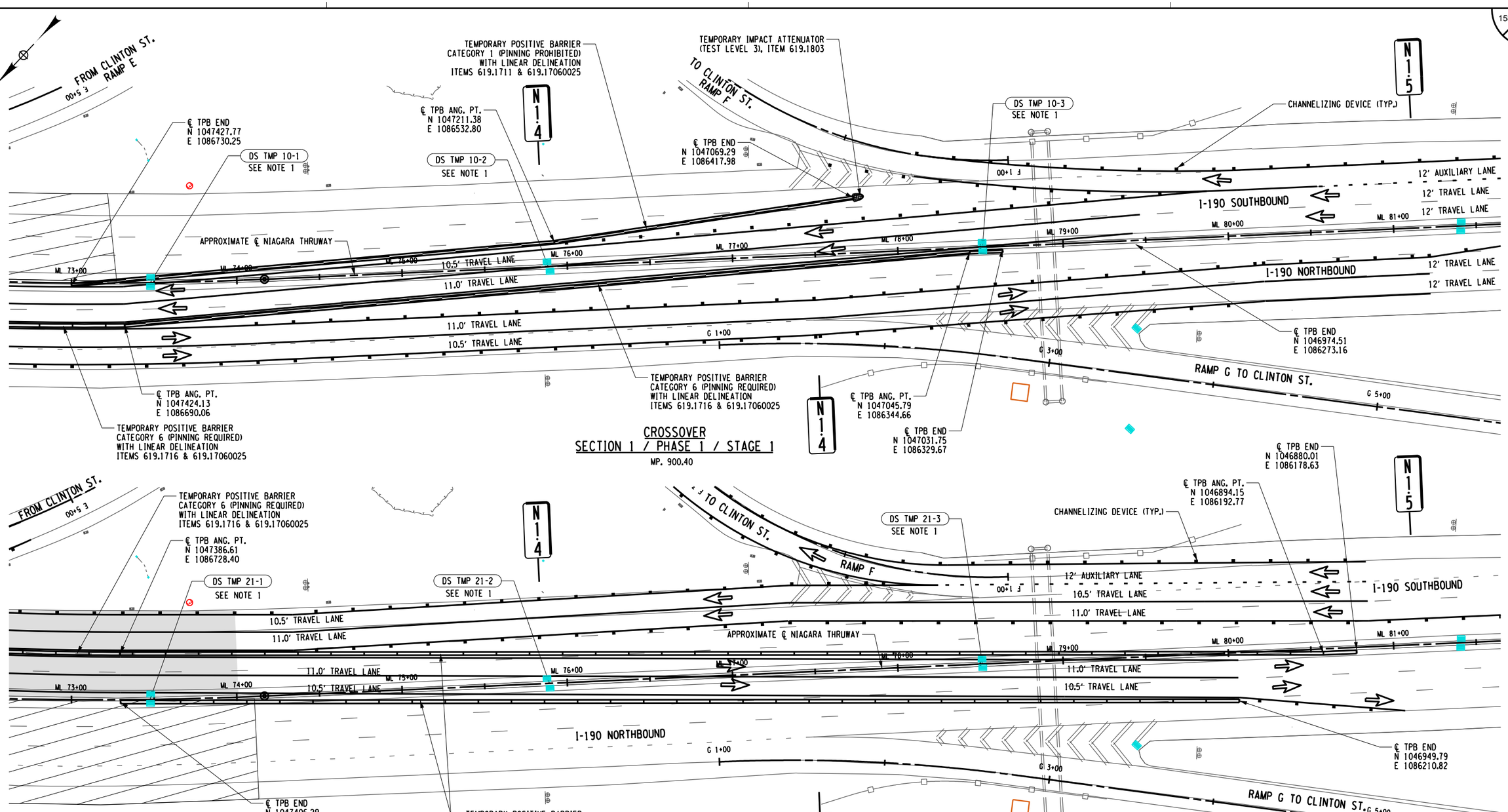
NEW YORK STATE Thruway Authority

Drawing Copyrighted © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleibros.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 1 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-1

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 1 / PHASE 1 / STAGE 1
MP. 900.40

CROSSOVER
SECTION 1 / PHASE 1 / STAGE 2
MP. 900.40

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

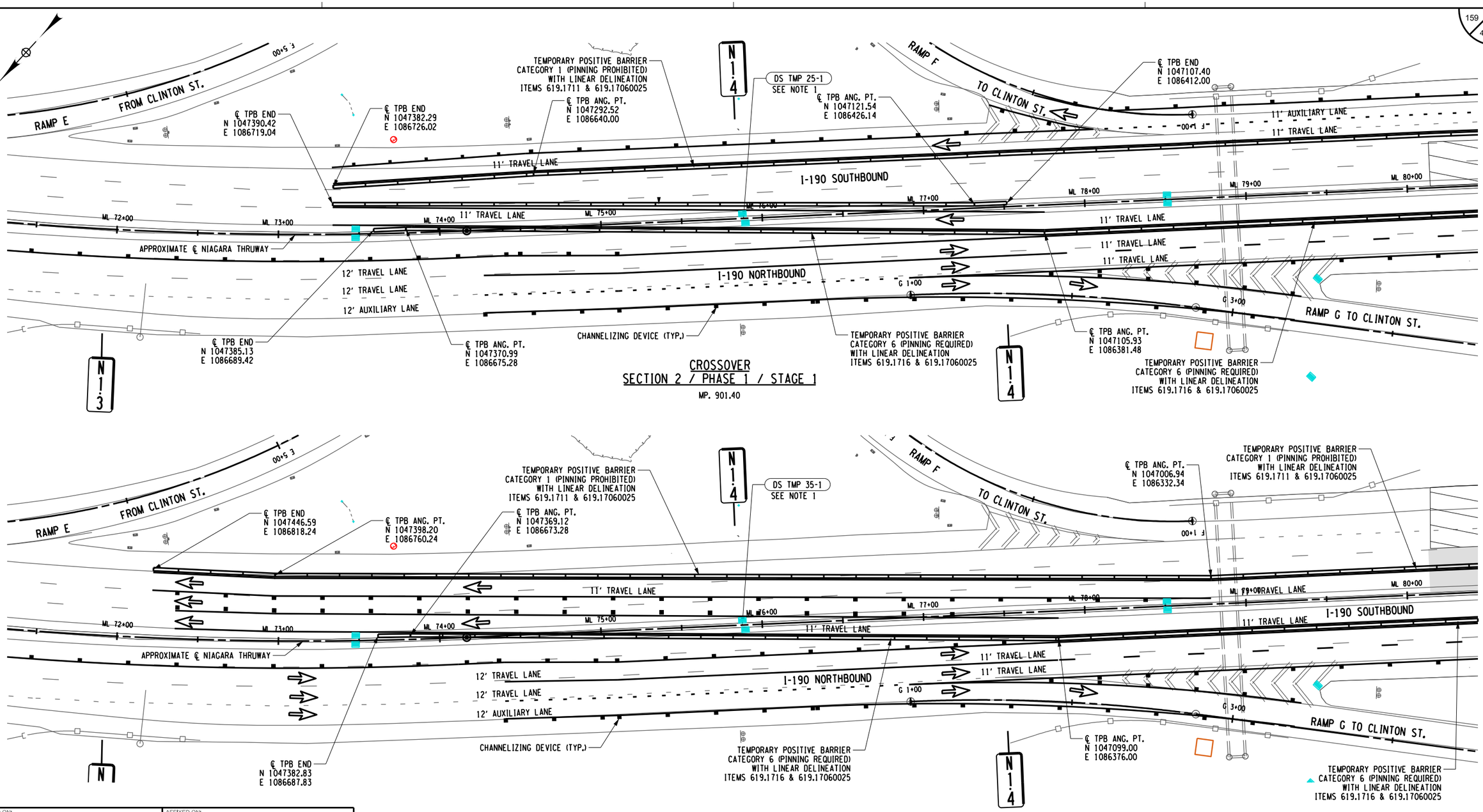
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 1 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-2

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 2 / PHASE 1 / STAGE 1

MP. 901.40

CROSSOVER
SECTION 2 / PHASE 1 / STAGE 2

MP. 901.40

NOTES:

1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED 092577 PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

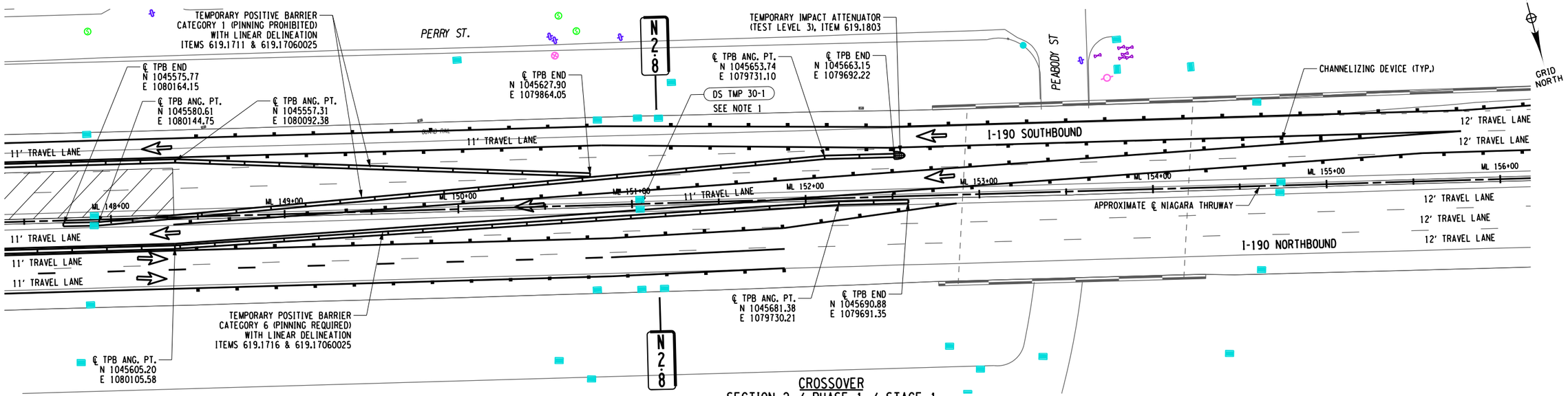
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

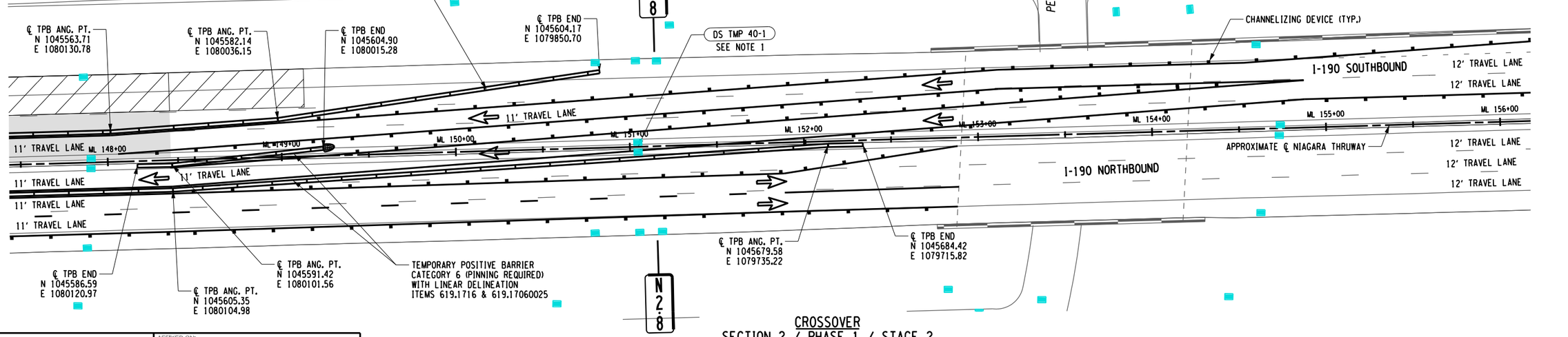
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1000 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 2 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-3

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 2 / PHASE 1 / STAGE 1
MP. 902.80



CROSSOVER
SECTION 2 / PHASE 1 / STAGE 2
MP. 902.80

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
092577
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

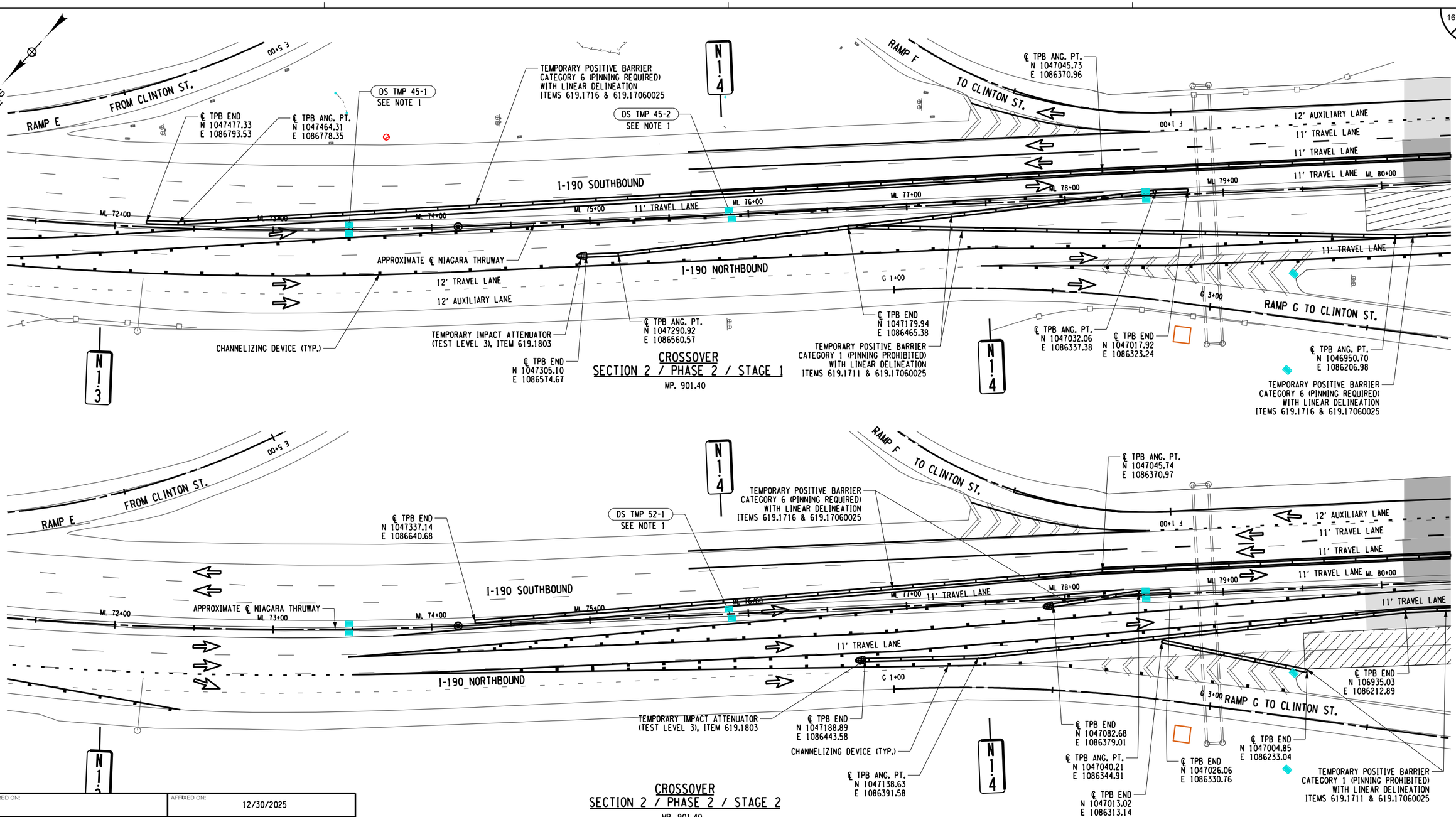
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2350 North Forest Road
Getzville, NY 14068-1722
518.453.4500 - www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 2 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-4

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 2 / PHASE 2 / STAGE 1
MP. 901.40

CROSSOVER
SECTION 2 / PHASE 2 / STAGE 2
MP. 901.40

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

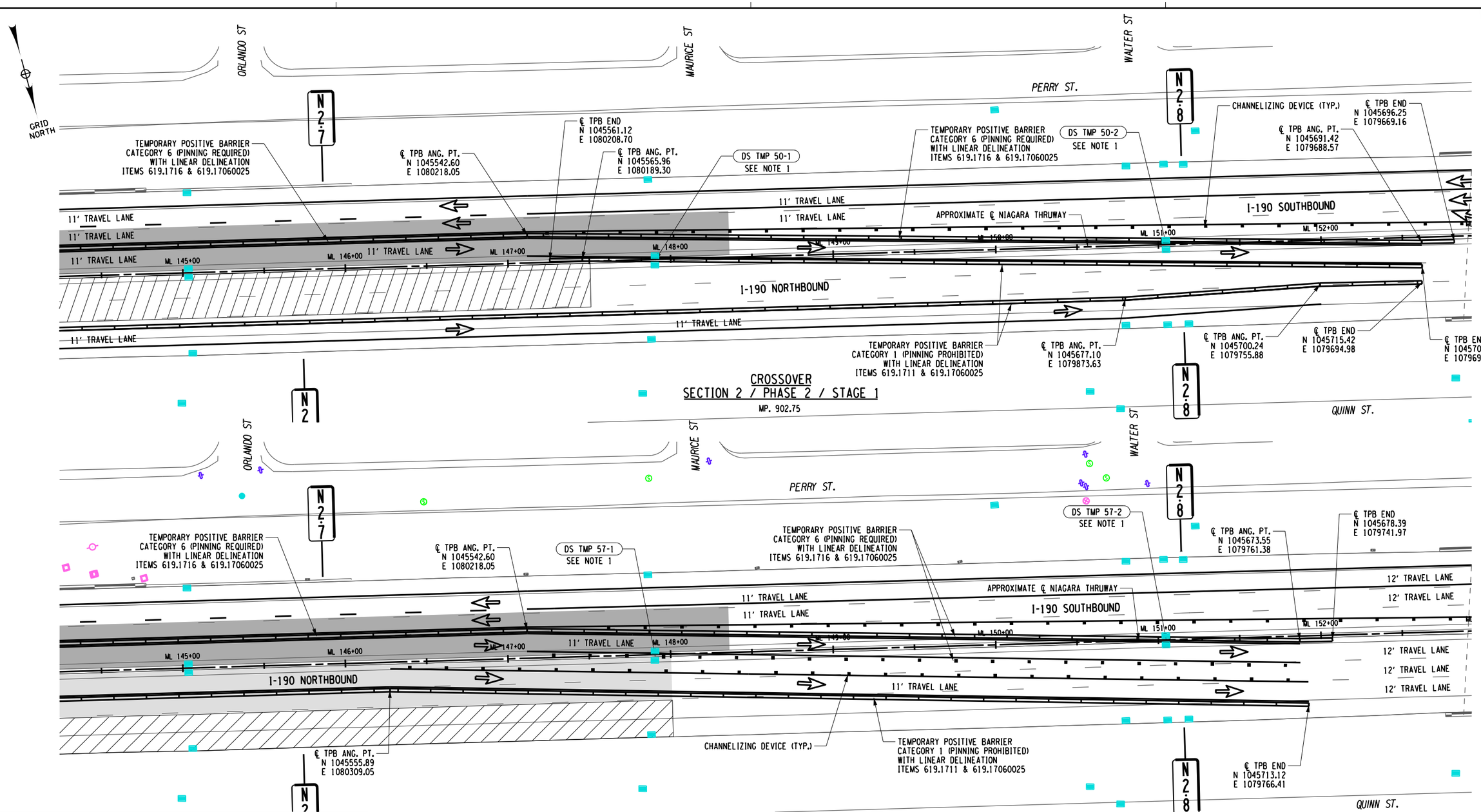
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 2 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-5

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

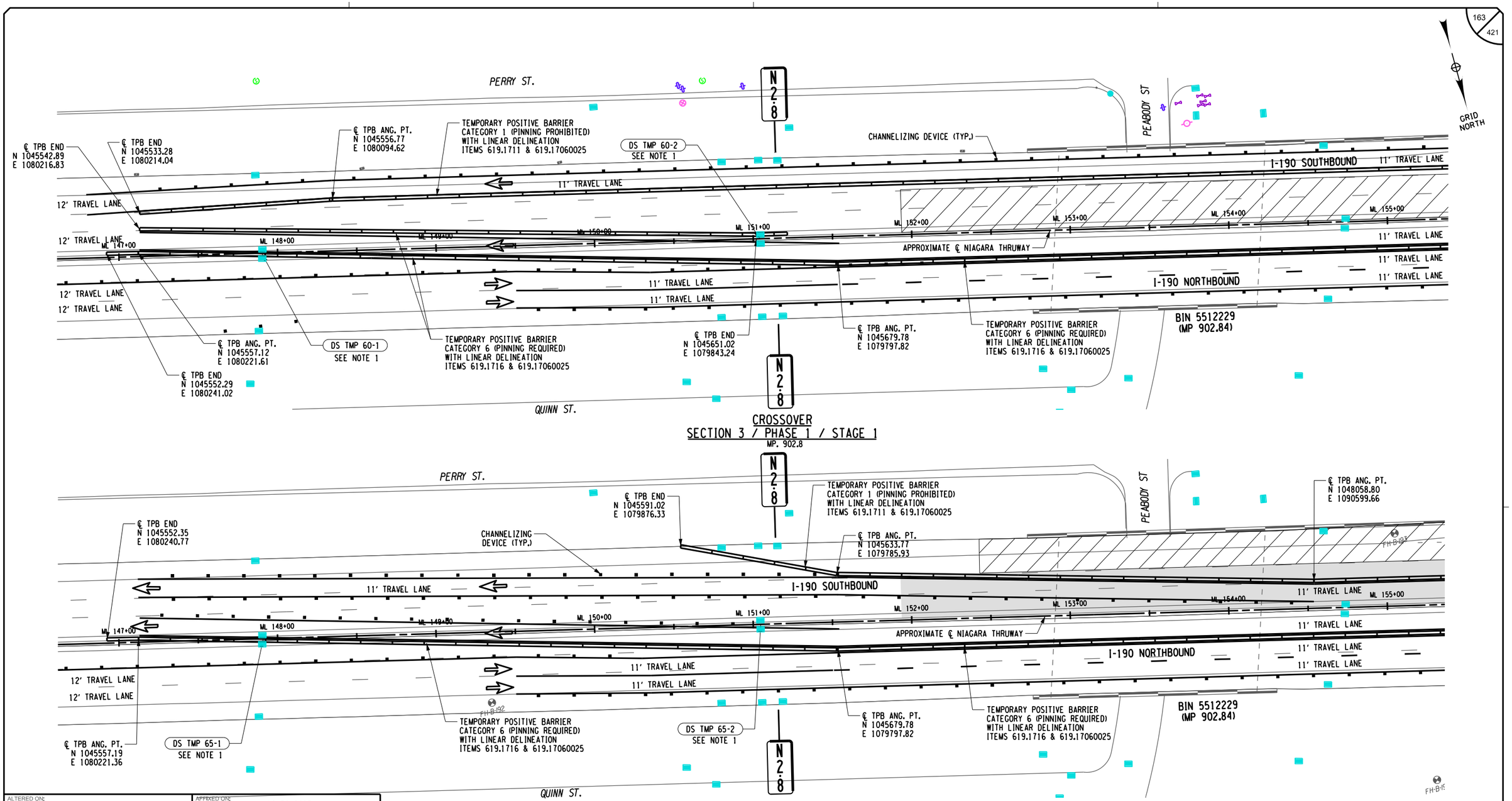
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
716.853.1850 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 2 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-6

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 3 / PHASE 1 / STAGE 1
MP. 902.8

CROSSOVER
SECTION 3 / PHASE 1 / STAGE 2
MP. 902.8

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

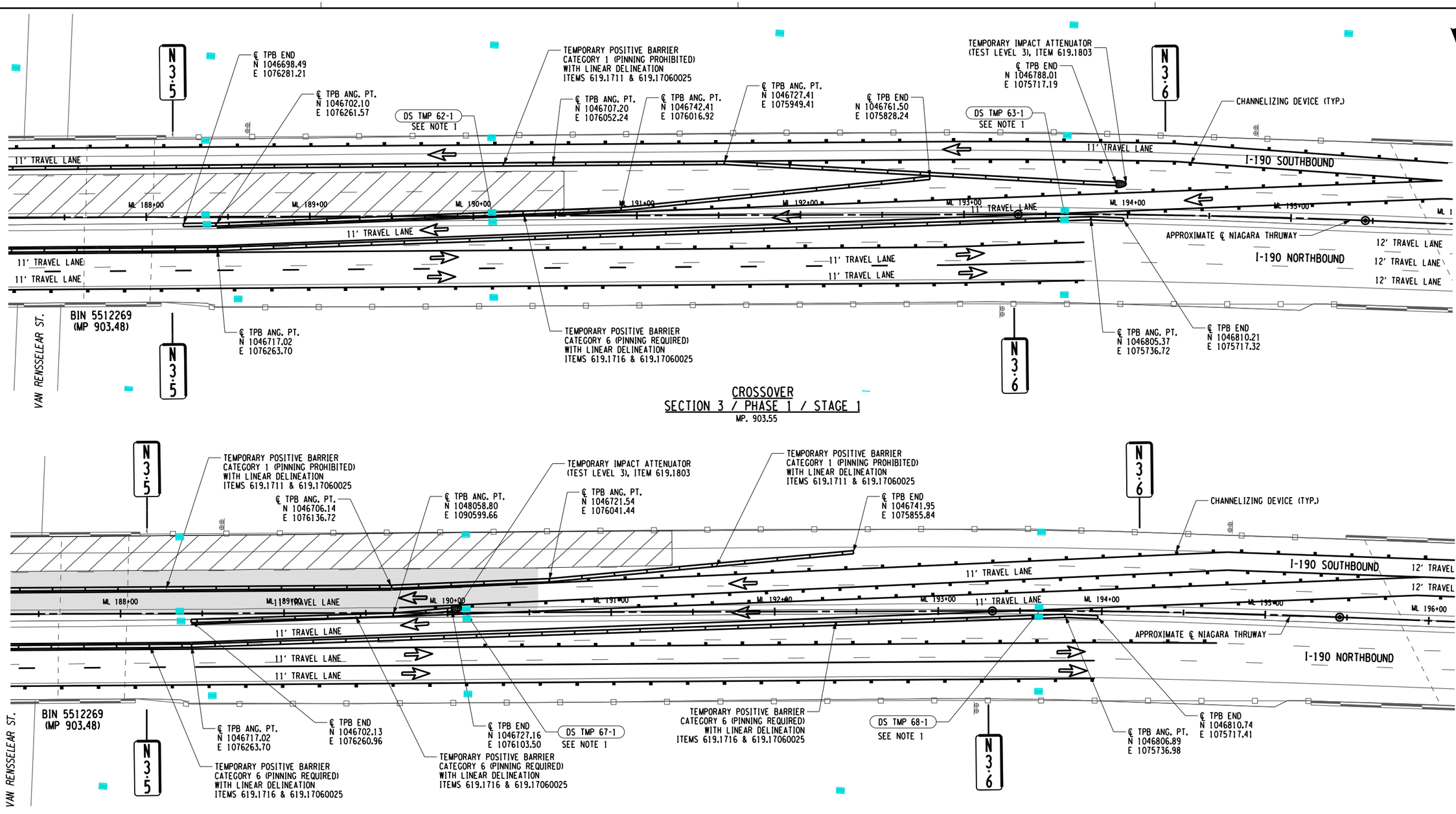
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

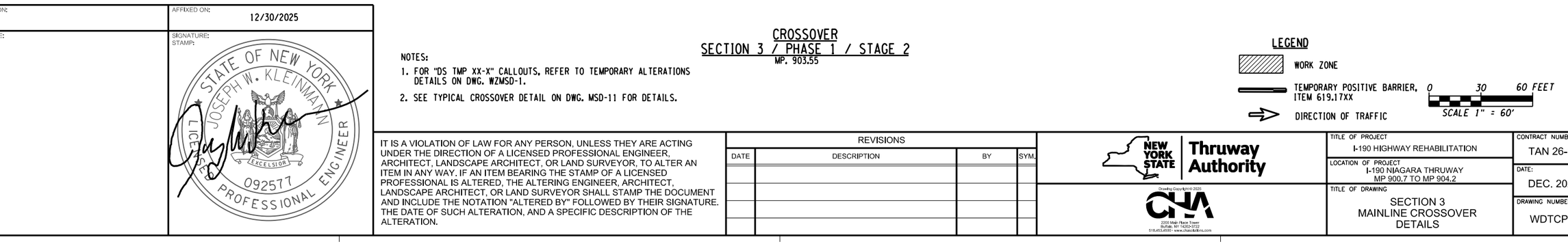
Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 3 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-7

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 3 / PHASE 1 / STAGE 1
MP. 903.55



CROSSOVER
SECTION 3 / PHASE 1 / STAGE 2
MP. 903.55

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

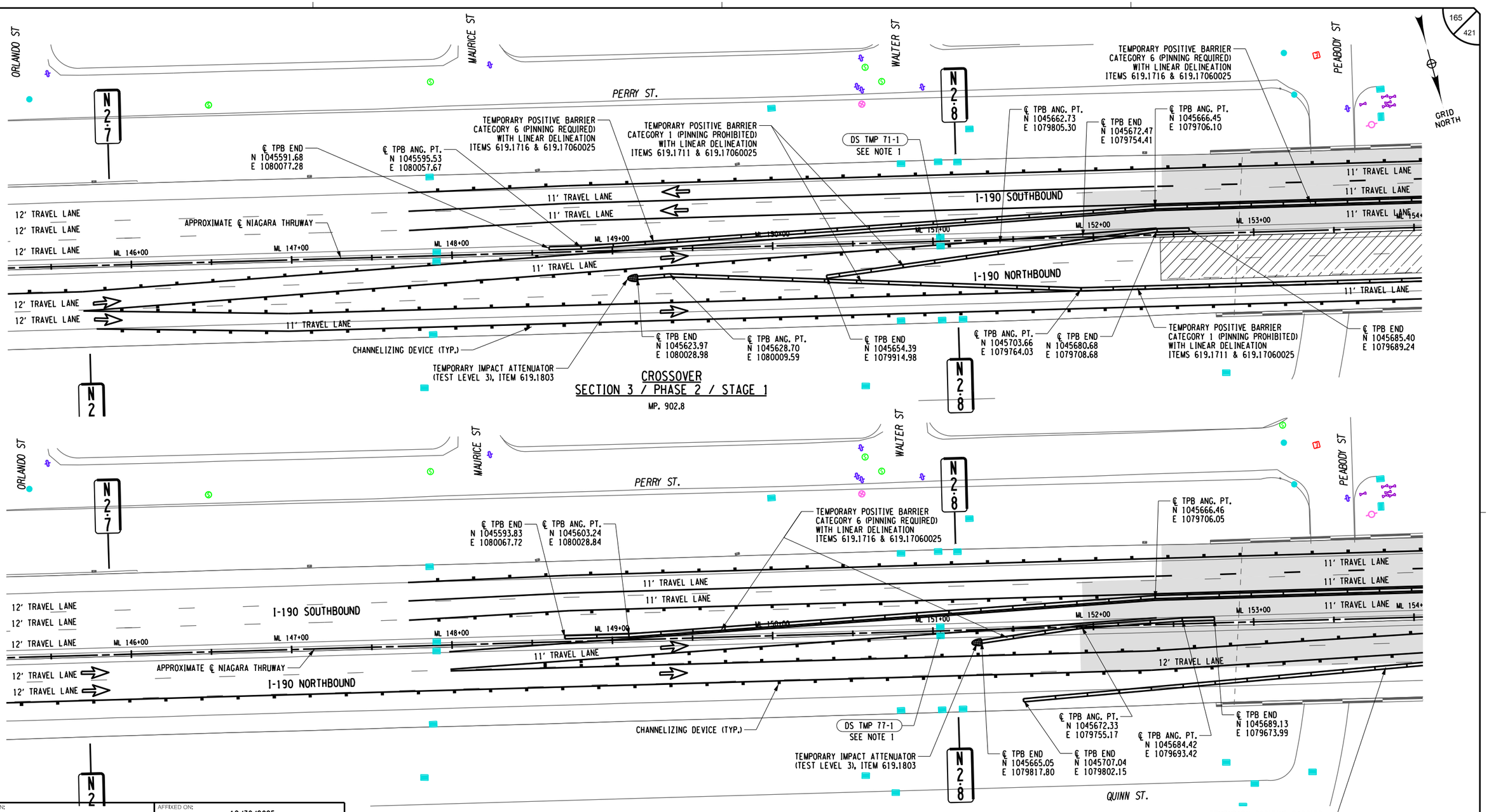
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 3 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-8



CROSSOVER
SECTION 3 / PHASE 2 / STAGE 1
MP. 902.8

CROSSOVER
SECTION 3 / PHASE 2 / STAGE 2
MP. 902.8

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

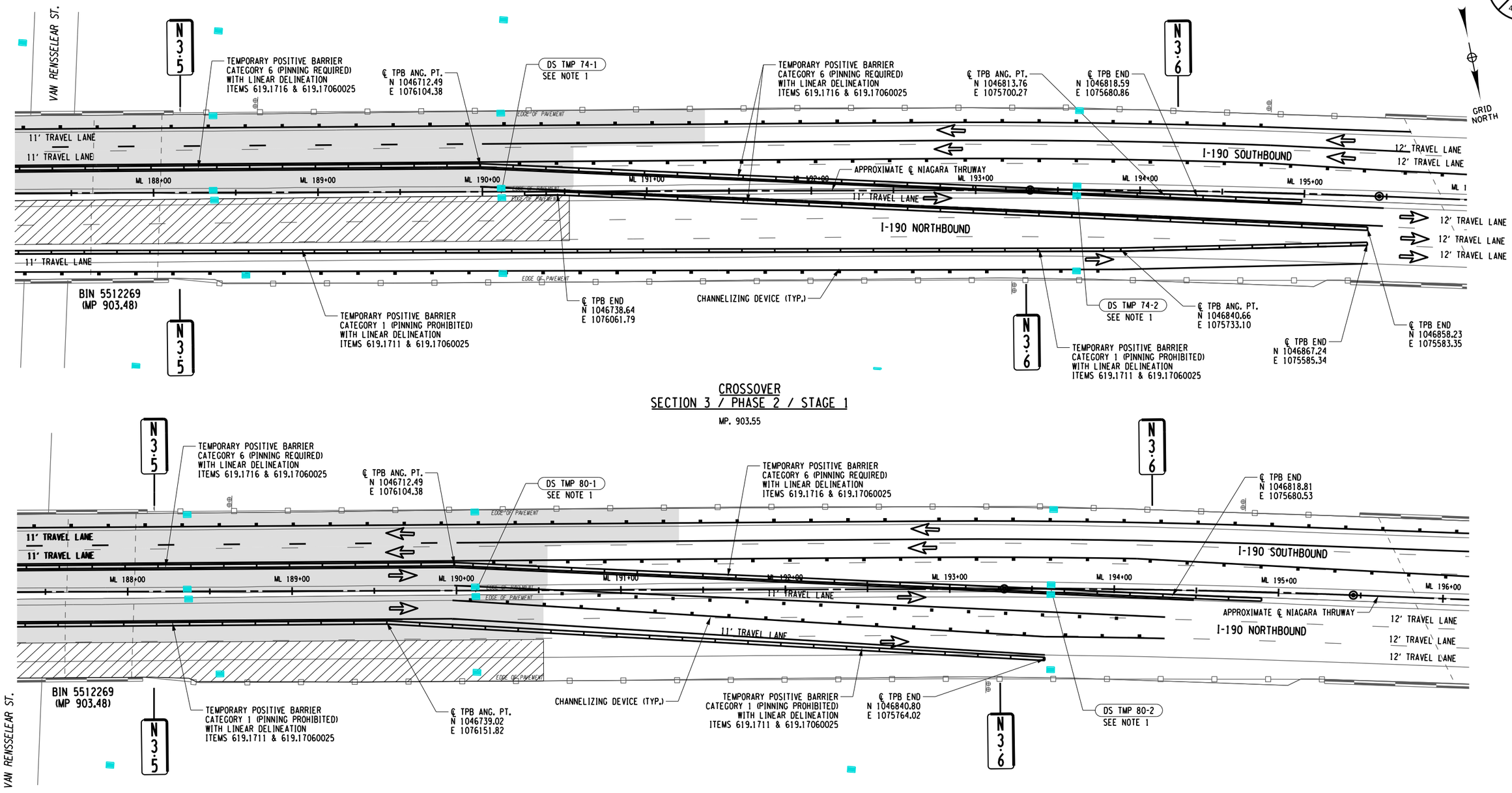
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 3 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-9



CROSSOVER
SECTION 3 / PHASE 2 / STAGE 1

MP. 903.55

CROSSOVER
SECTION 3 / PHASE 2 / STAGE 2

MP. 903.55

NOTES:

1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

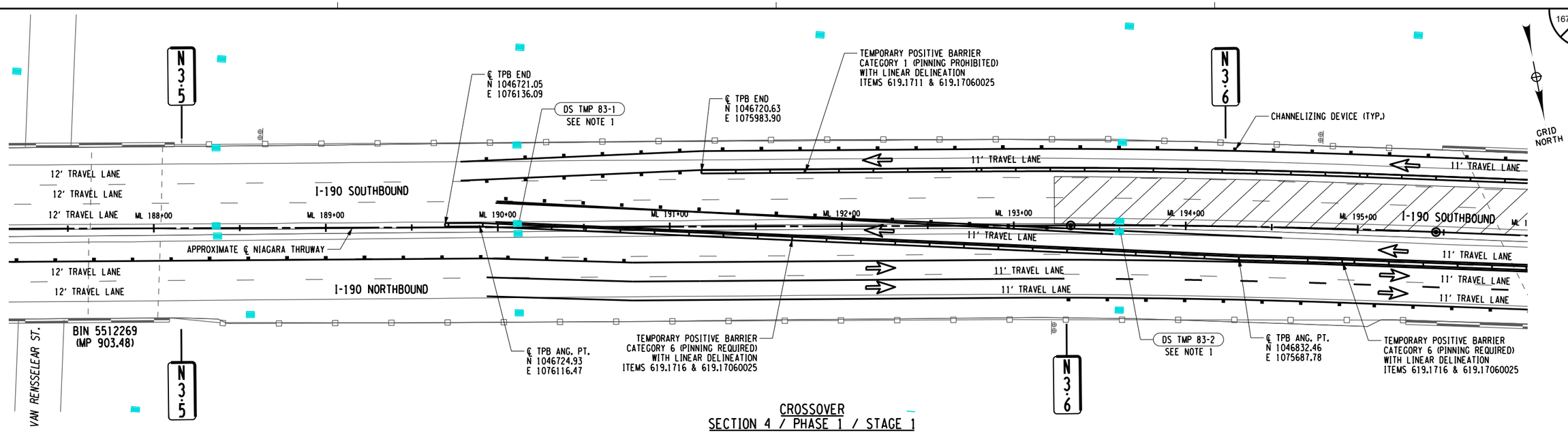
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

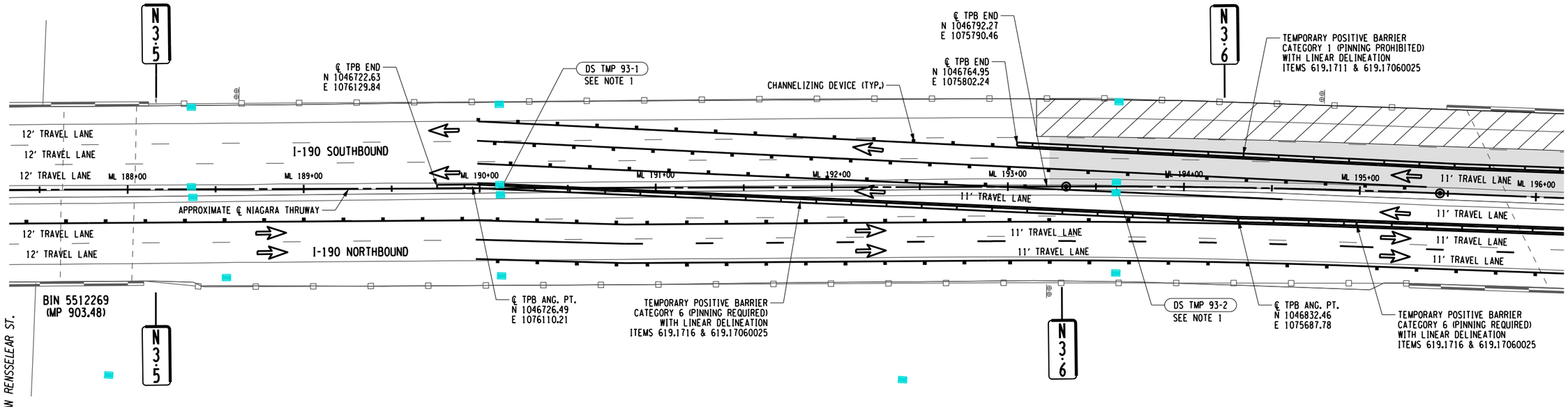
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobleibros.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 3 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-10



CROSSOVER
SECTION 4 / PHASE 1 / STAGE 1
MP. 903.6



CROSSOVER
SECTION 4 / PHASE 1 / STAGE 2
MP. 903.6

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

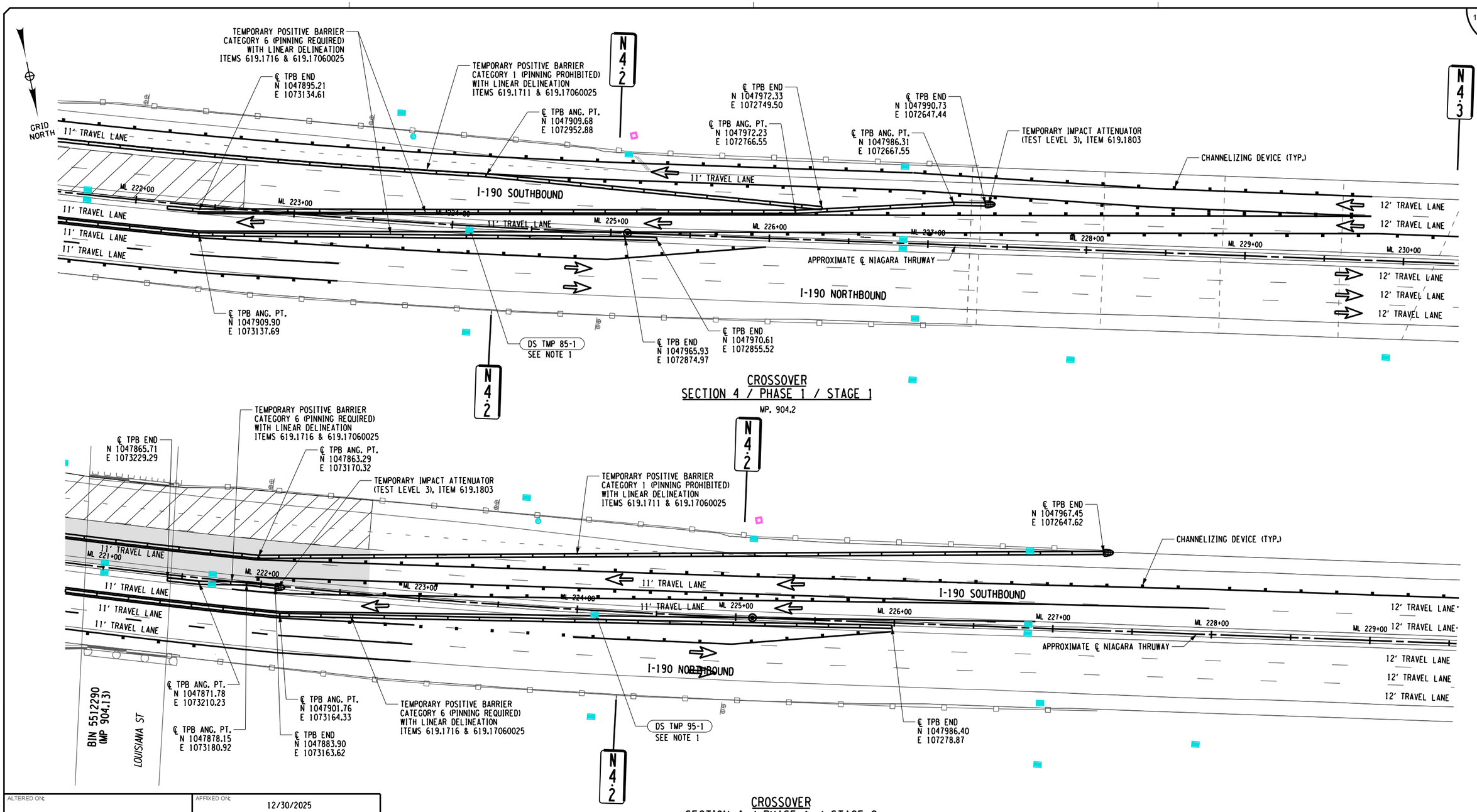
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 4 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-11

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN



CROSSOVER
SECTION 4 / PHASE 1 / STAGE 1
MP. 904.2

CROSSOVER
SECTION 4 / PHASE 1 / STAGE 2
MP. 904.2

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

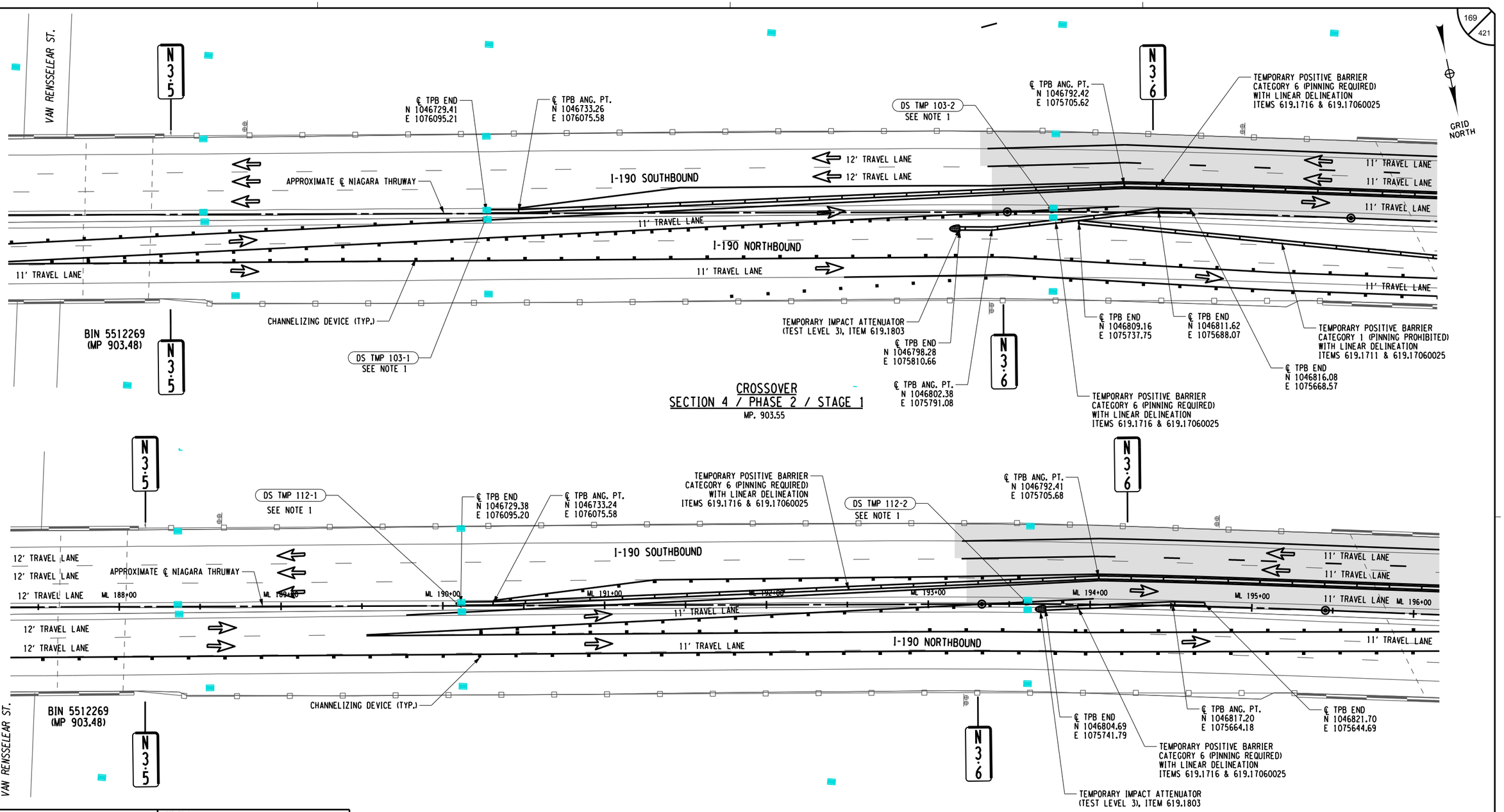
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2000 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SECTION 4 MAINLINE CROSSOVER DETAILS	DRAWING NUMBER: WDTCP-12

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
QUALITY CONTROL BY: J KLEINMANN



CROSSOVER
SECTION 4 / PHASE 2 / STAGE 1
MP. 903.55

CROSSOVER
SECTION 4 / PHASE 2 / STAGE 2
MP. 903.55

NOTES:
1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND
- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

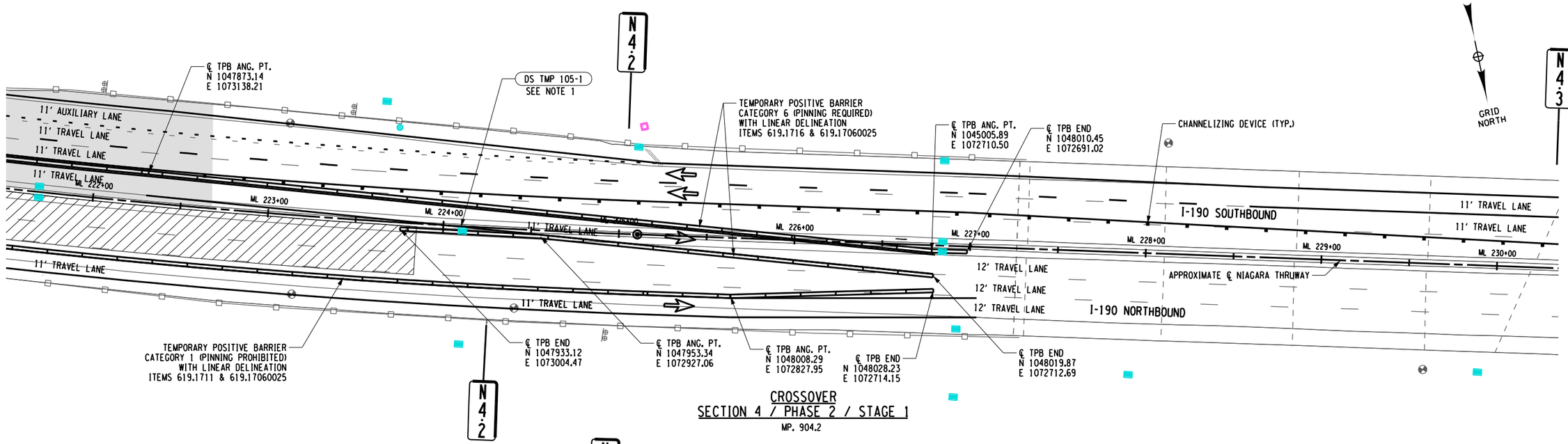
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

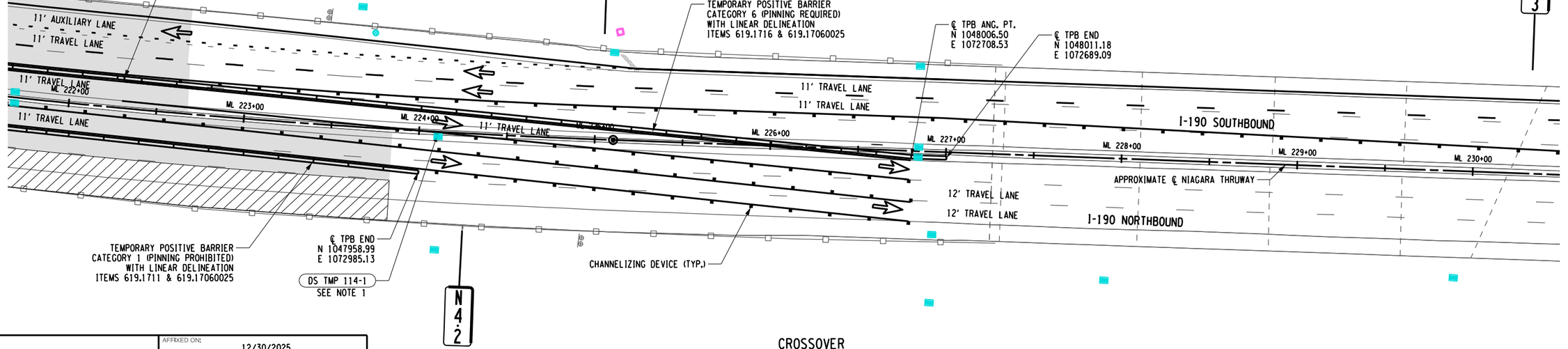
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SECTION 4 MAINLINE CROSSOVER DETAILS	DRAWING NUMBER: WDTCP-13

DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



CROSSOVER
SECTION 4 / PHASE 2 / STAGE 1

MP. 904.2



CROSSOVER
SECTION 4 / PHASE 2 / STAGE 2

MP. 904.2

NOTES:

1. FOR "DS TMP XX-X" CALLOUTS, REFER TO TEMPORARY ALTERATIONS DETAILS ON DWG. WZMSD-1.
2. SEE TYPICAL CROSSOVER DETAIL ON DWG. MSD-11 FOR DETAILS.

LEGEND

- WORK ZONE
- TEMPORARY POSITIVE BARRIER, ITEM 619.17XX
- DIRECTION OF TRAFFIC

0 30 60 FEET
SCALE 1" = 60'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

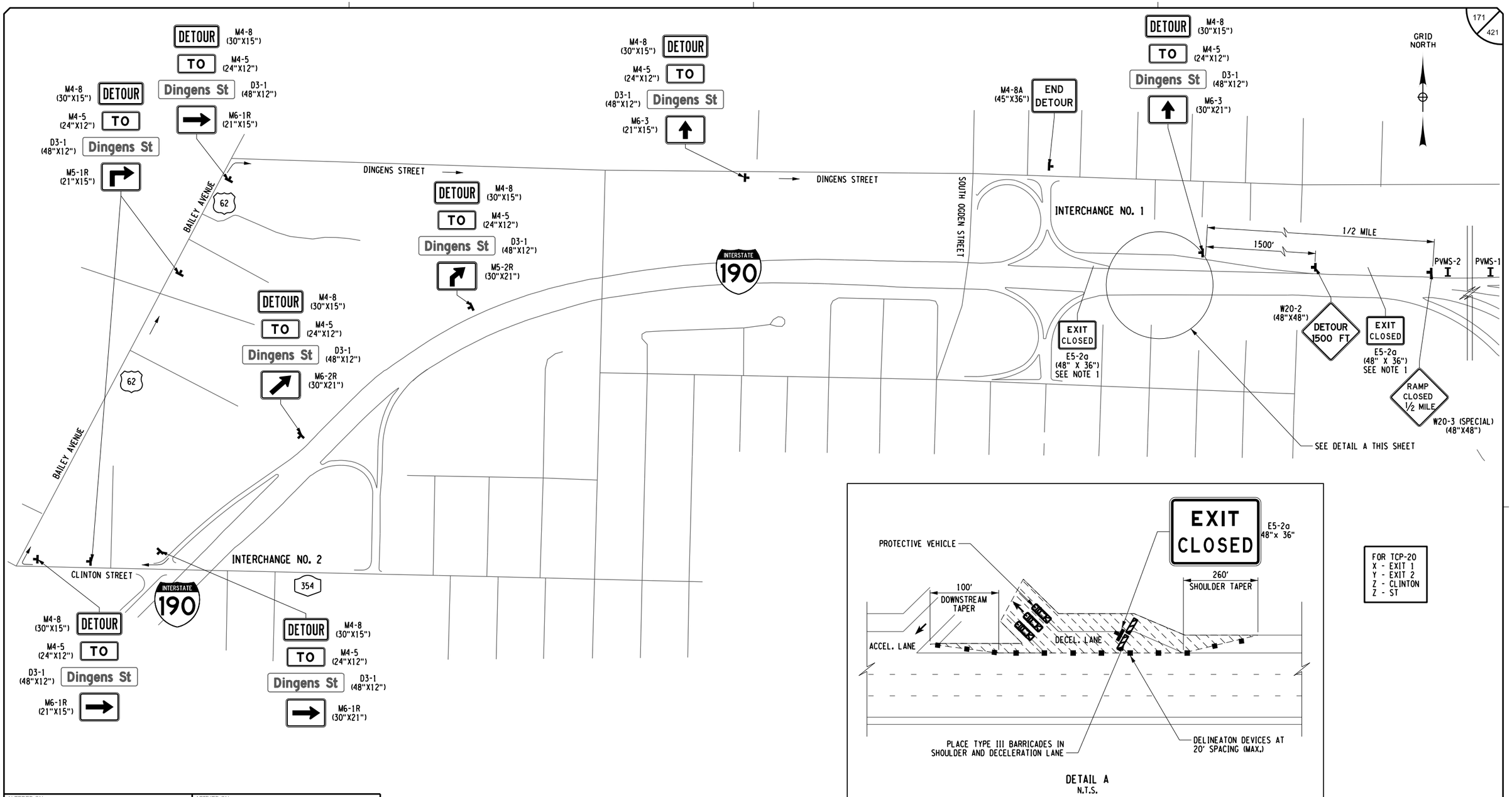
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SECTION 4 MAINLINE CROSSOVER DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	WDTCP-14

DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGN SUPERVISOR: D MARSH



DETAIL A
N.T.S.

FOR TCP-20
X - EXIT 1
Y - EXIT 2
Z - CLINTON
Z - ST

DETOUR PLAN
I-190, INT 1 NB OFF-RAMP CLOSURE

N.T.S.

NOTES:
1. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

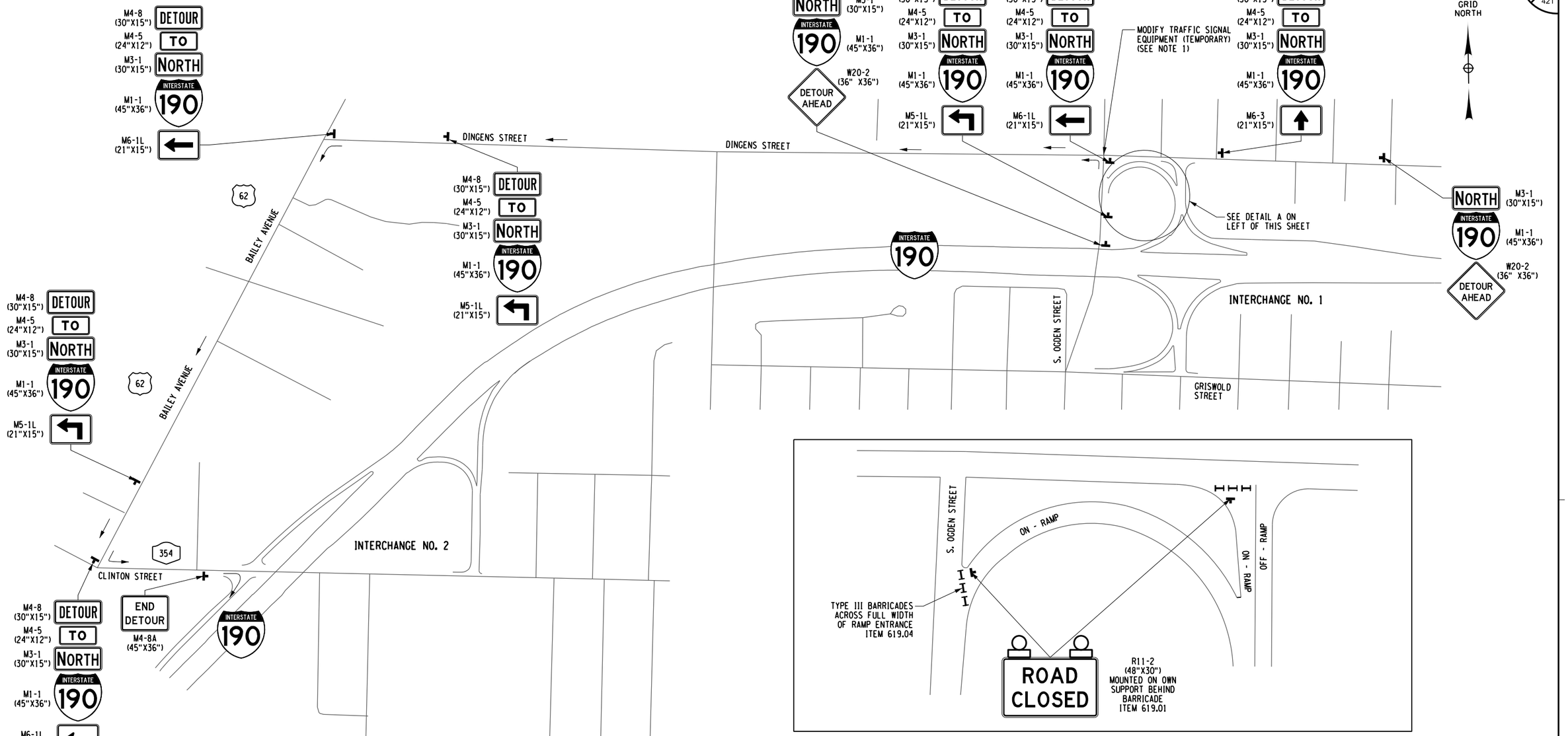
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-1

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



DETAIL A

N.T.S.

DETOUR PLAN
I-190, INT 1, NB ON-RAMP CLOSURE

N.T.S.

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BUFFALO FOR MODIFICATIONS NECESSARY TO OPTIMIZE THE SIGNAL AT THE INTERSECTION OF S OGDEN ANNEX AND DINGENS STREET. THE CONTRACTOR SHALL CONTACT THE CITY OF BUFFALO TRAFFIC SIGNAL SUPERVISOR TWO WEEKS PRIOR TO CLOSING THE RAMP AND ANY MODIFICATIONS TO THE TRAFFIC SIGNAL. COST TO MODIFY THE SIGNAL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.161401

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main - Park Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacalibins.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-2

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

173
421

GRID NORTH

DINGENS ST

INTERCHANGE NO. 1

INTERSTATE 190

EXIT CLOSED
E5-2a
(48" X 36")
SEE NOTE 2

SEE TYPICAL I-190 OFF-RAMP CLOSURE DETAIL ON CPTCP-18

GRISWOLD ST

END DETOUR
M4-8A
(45"X36")

SOUTH OGDEN STREET

SEE NOTE 1

EXIT CLOSED
E5-2a
(48" X 36")
SEE NOTE 2

INTERCHANGE NO. 2

CLINTON ST 354

CLINTON ST 354

DETOUR M4-8 (30"X15")
TO M4-5 (24"X12")
S Ogden St D3-1 (40"X12")
M5-1L (21"X15")

DETOUR M4-8 (30"X15")
TO M4-5 (24"X12")
S Ogden St D3-1 (40"X12")
M6-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (40"X12") S Ogden St
M5-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (40"X12") S Ogden St
M6-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (40"X12") S Ogden St
M6-3 (21"X15")

INTERSTATE 190

EXIT 1 INTERSTATE 190
CLOSED AHEAD
USE EXIT 2
FOLLOW DETOUR
SPECIAL
(120" X 120")

DETOUR PLAN
I-190, INT 1 SB OFF-RAMP CLOSURE

N.T.S.

FOR CPTCP-18
A - GRISWOLD ST
B - CLINTON ST
X - EXIT 1
Y - EXIT 2
Z - GRISWOLD
Z - ST

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

NOTES:
1. SEE DRAWING CPTCP-18 FOR I-190 ADVANCED RAMP CLOSURE DETAILS.
2. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

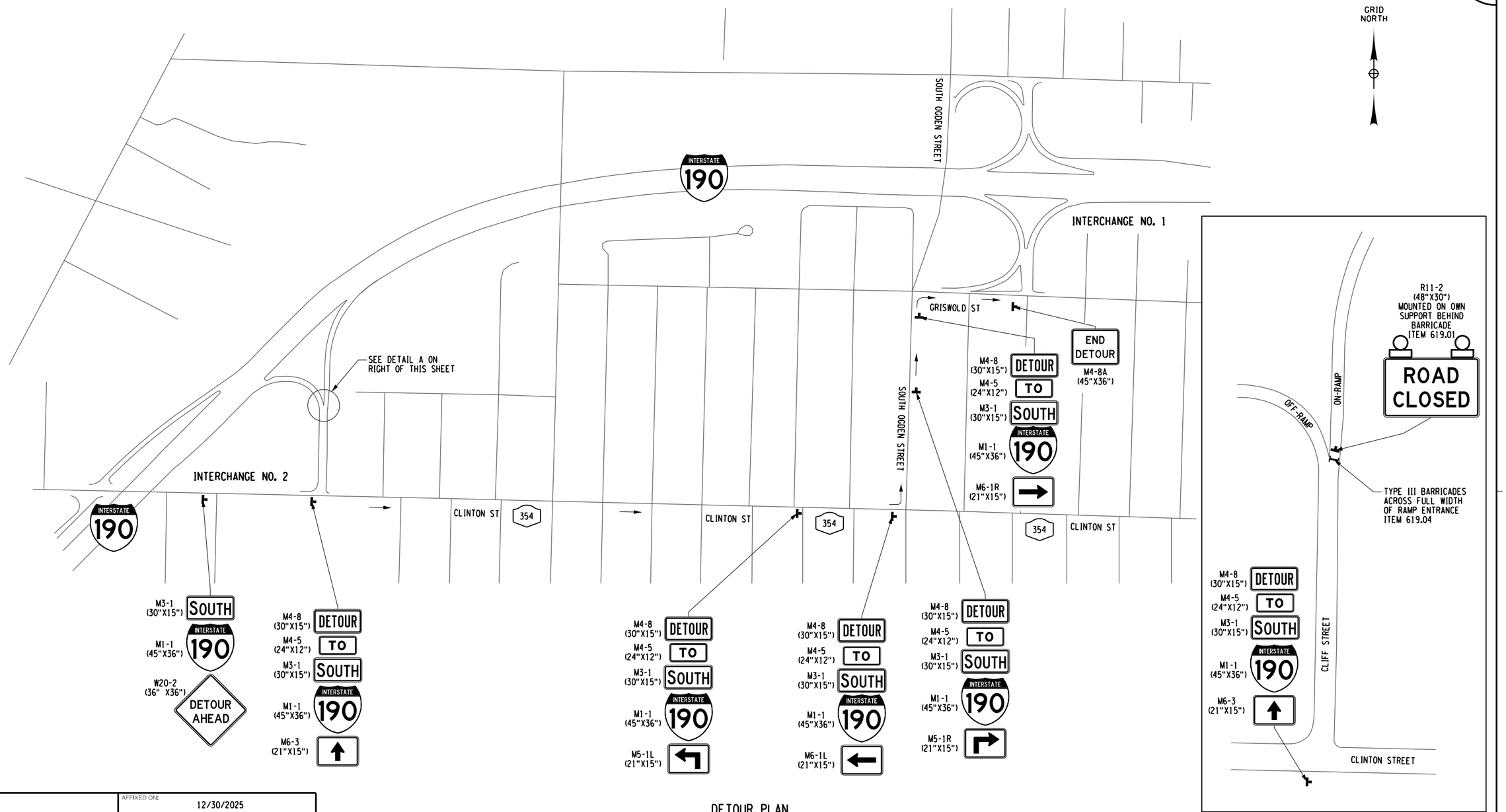
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-3

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
J KLEINMANN



DETOUR PLAN
I-190, INT 2 SB ON-RAMP CLOSURE

N.T.S.

DETAIL A

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

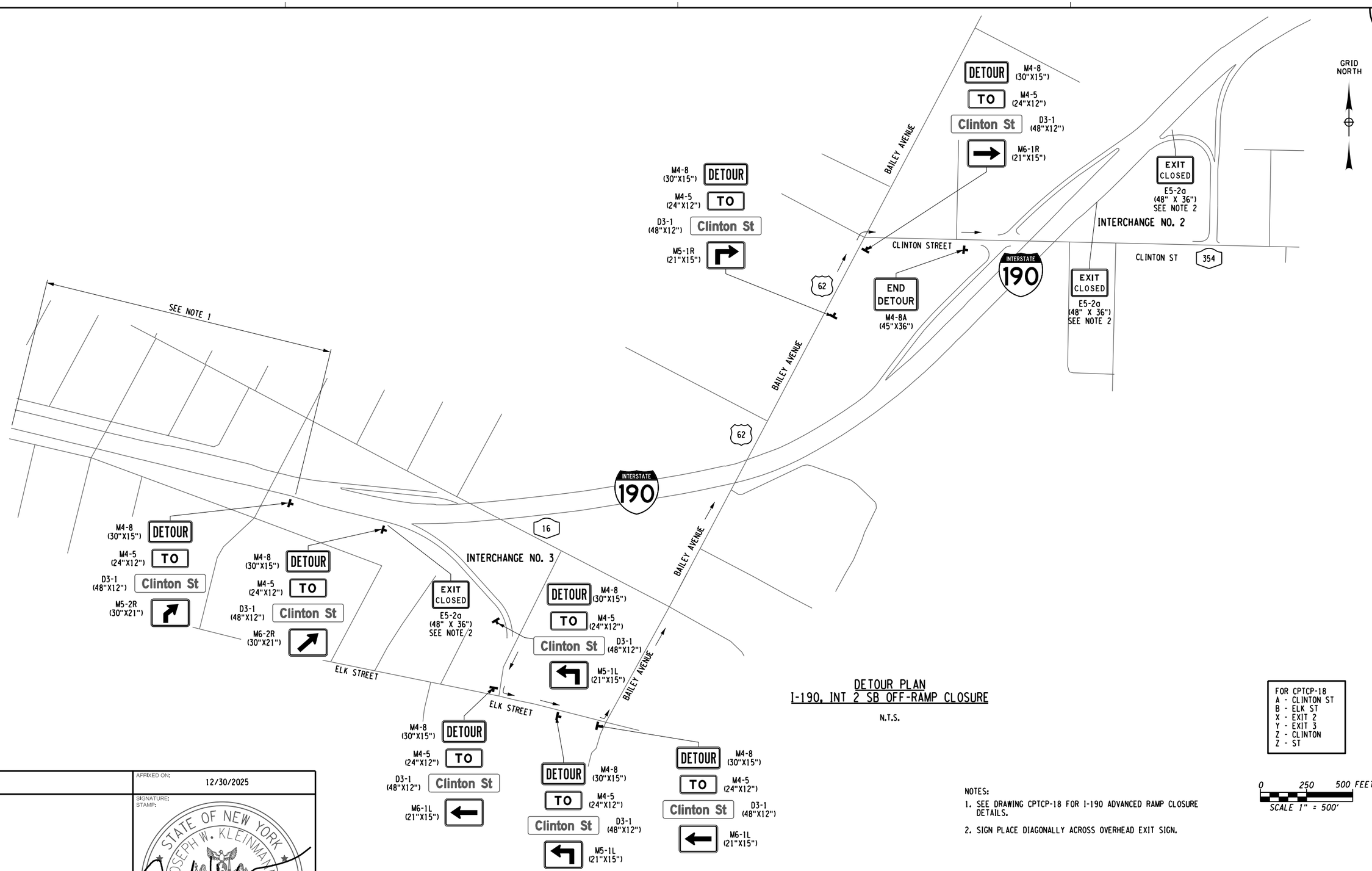
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-4

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



DETOUR PLAN
I-190, INT 2 SB OFF-RAMP CLOSURE

N.T.S.

FOR CPTCP-18
A - CLINTON ST
B - ELK ST
X - EXIT 2
Y - EXIT 3
Z - CLINTON
Z - ST

0 250 500 FEET
SCALE 1" = 500'

NOTES:
1. SEE DRAWING CPTCP-18 FOR I-190 ADVANCED RAMP CLOSURE DETAILS.
2. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

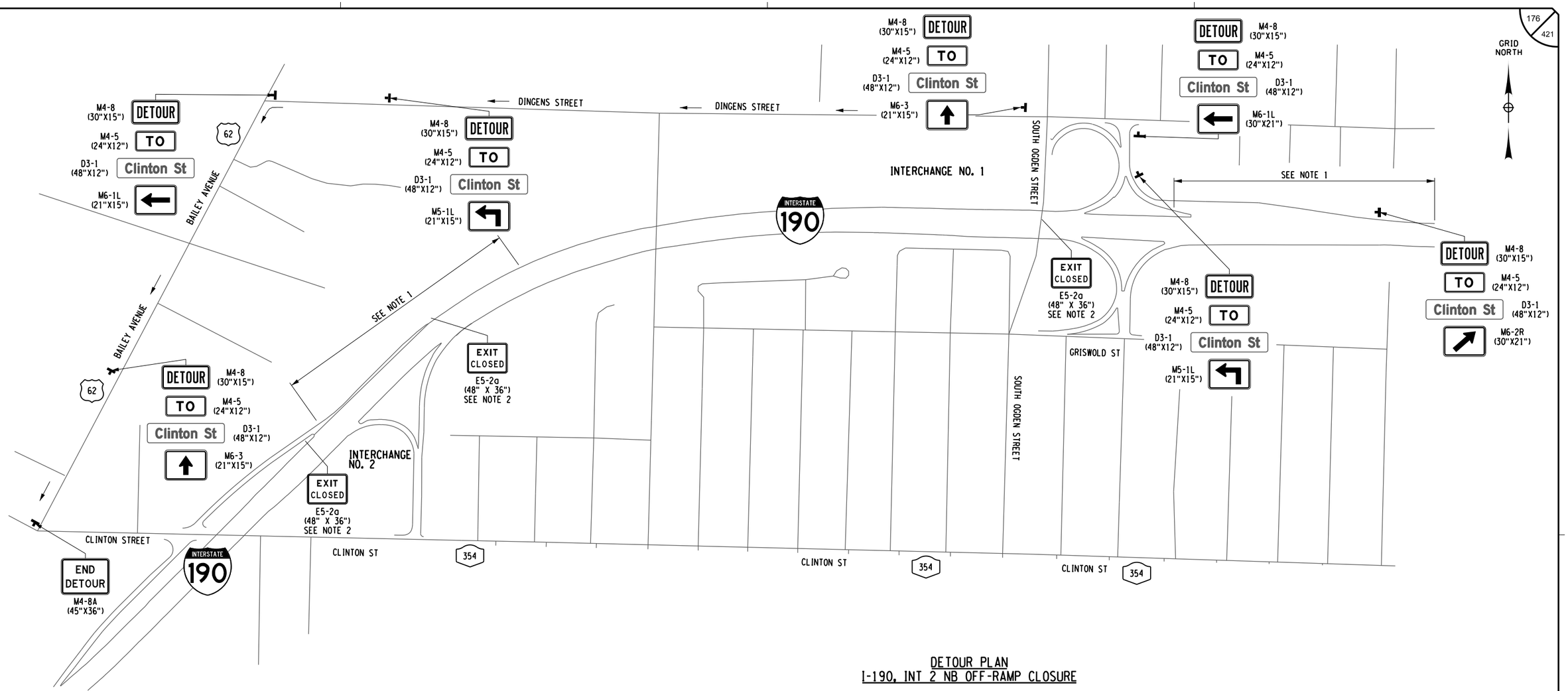
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-5

GRID NORTH

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



DETOUR PLAN
I-190, INT 2 NB OFF-RAMP CLOSURE

N.T.S.

FOR CPTCP-18
A - CLINTON ST
B - OGDEN ST
X - EXIT 2
Y - EXIT 1
Z - CLINTON
Z - ST

0 250 500 FEET
SCALE 1" = 500'

NOTES:
1. SEE DRAWING CPTCP-18 FOR I-190 ADVANCED RAMP CLOSURE DETAILS.
2. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

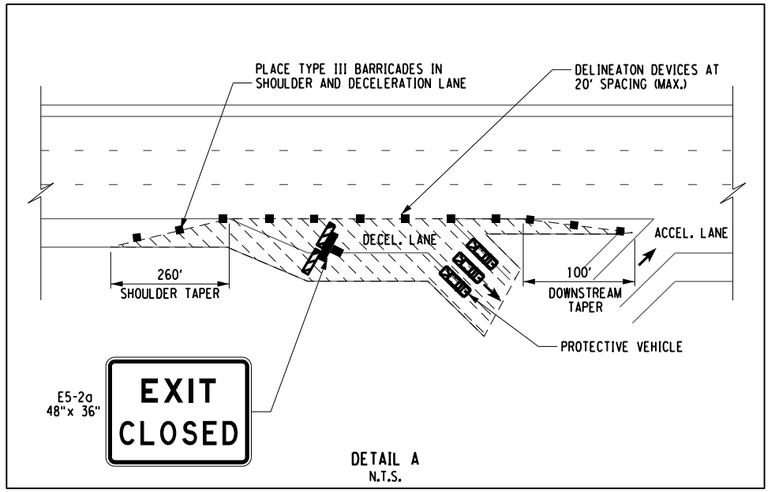
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

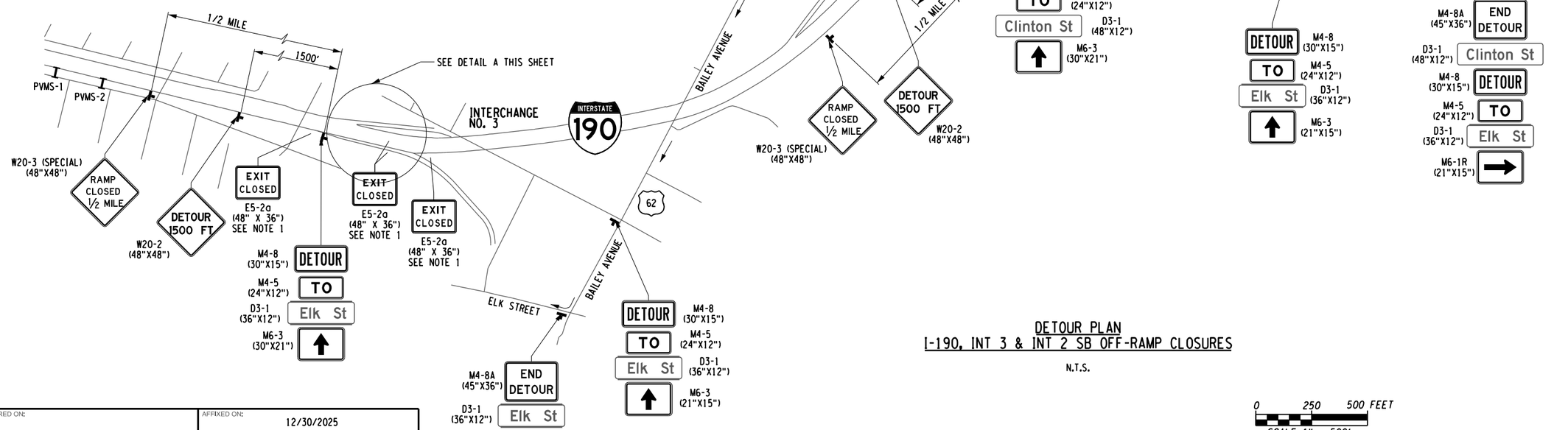
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-6



DETAIL A
N.T.S.

FOR TCP-XX
X - EXIT 3&2
Y - EXIT 1
Z - S OGDEN
Z - ST



DETOUR PLAN
I-190, INT 3 & INT 2 SB OFF-RAMP CLOSURES

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

NOTES:
1. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

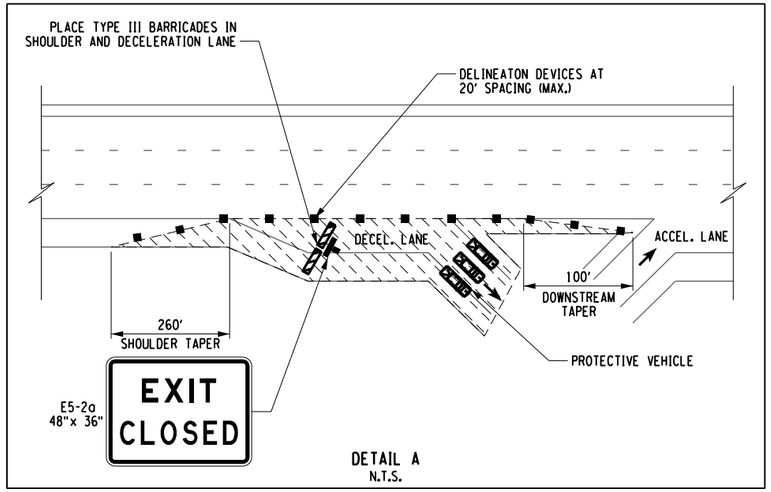
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleins.com

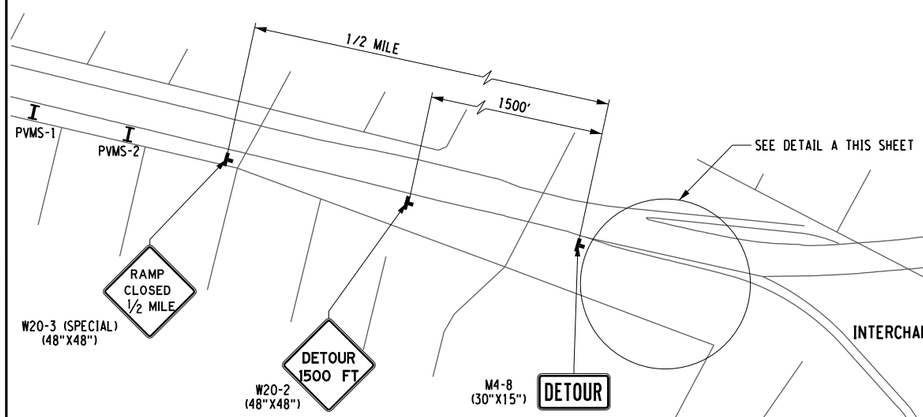
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL PLANS EXIT DETOURS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPTCP-7

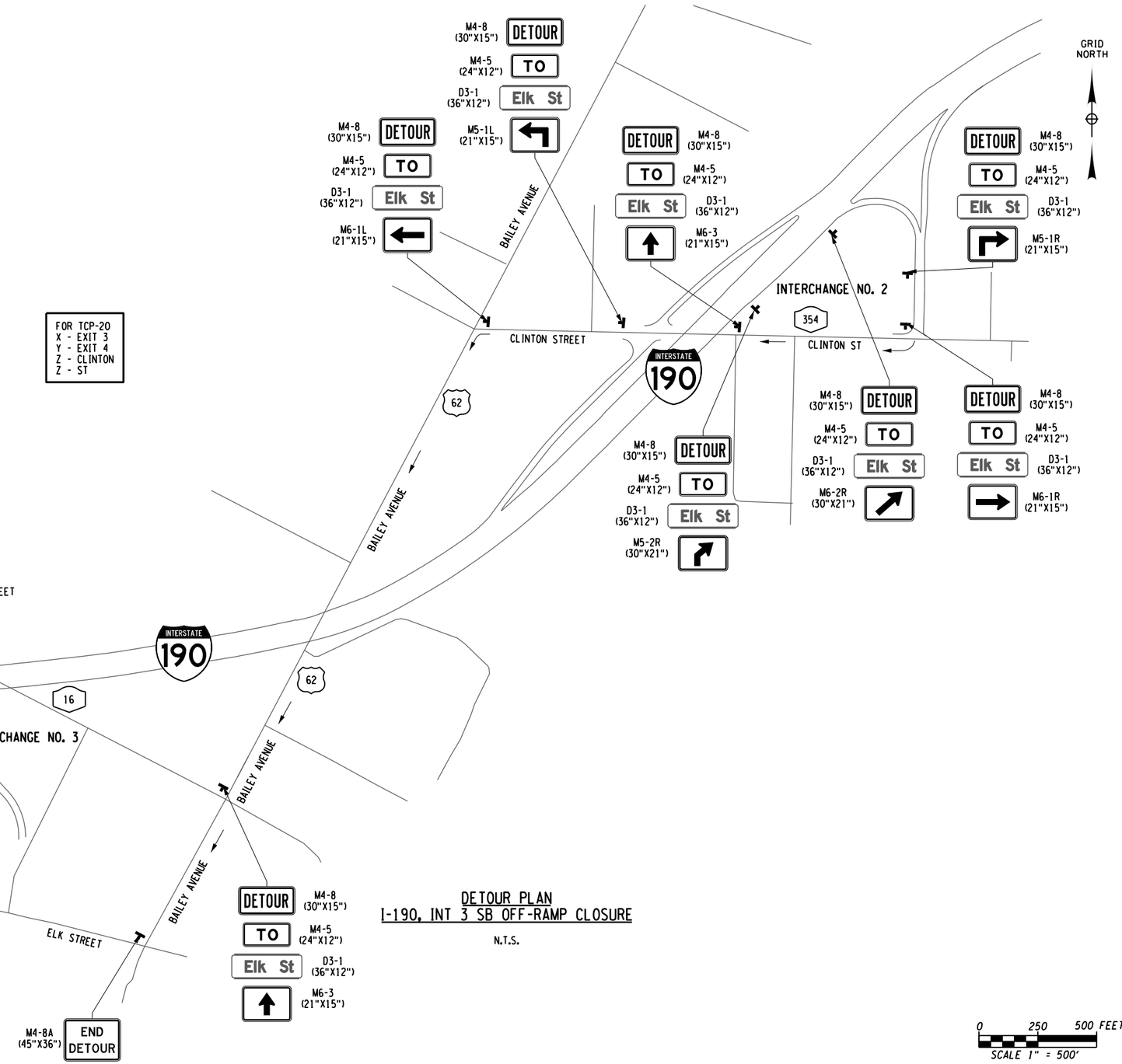
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN



DETAIL A
N.T.S.

FOR TCP-20
X - EXIT 3
Y - EXIT 4
Z - CLINTON
Z - ST





DETOUR PLAN
I-190, INT 3 SB OFF-RAMP CLOSURE

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · EXCELSIOR · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

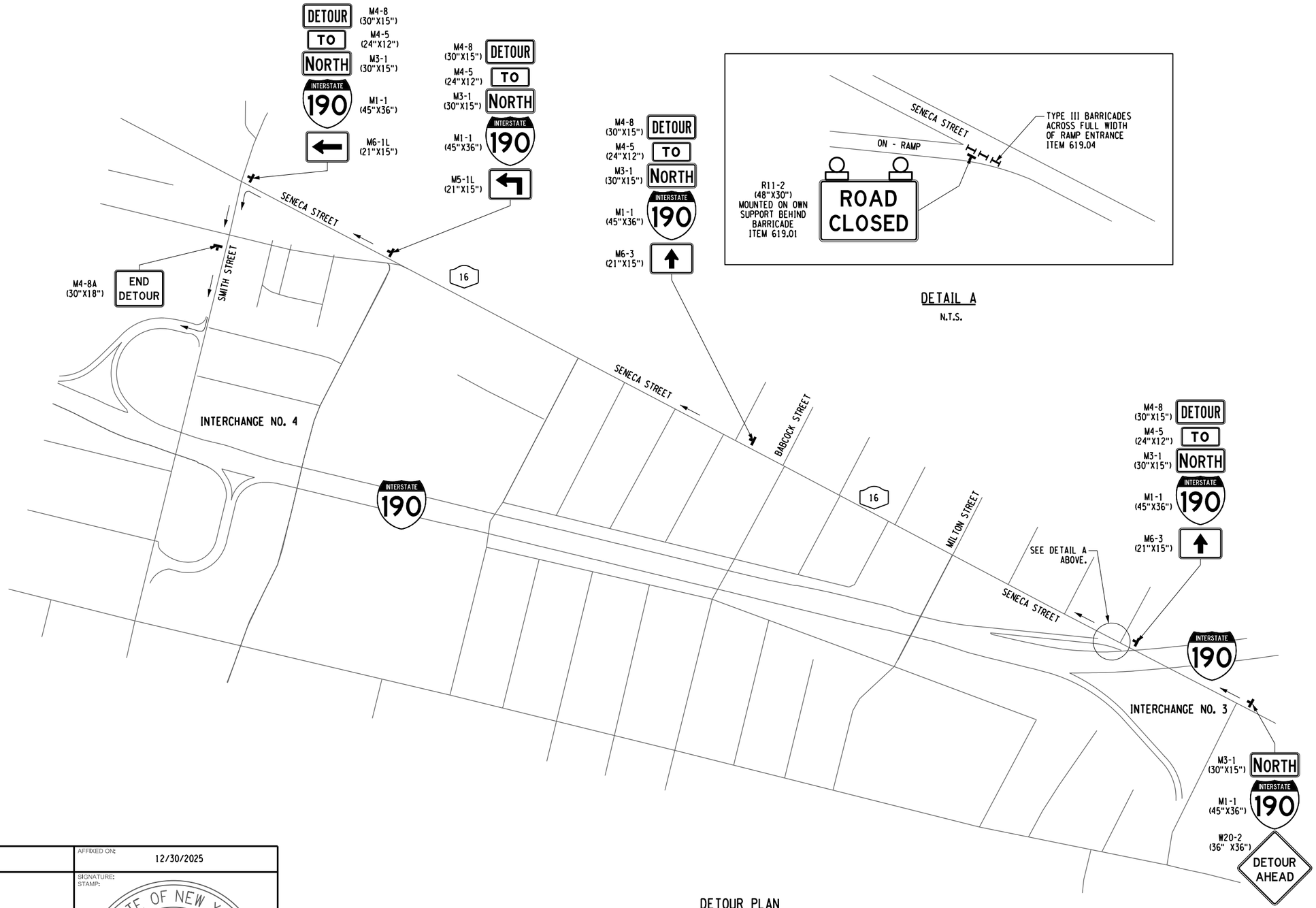
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 - www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL PLANS EXIT DETOURS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPTCP-8

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

GRID NORTH



DETAIL A
N.T.S.

DETOUR PLAN
I-190, INT 3, NB ON-RAMP CLOSURE
N.T.S.

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

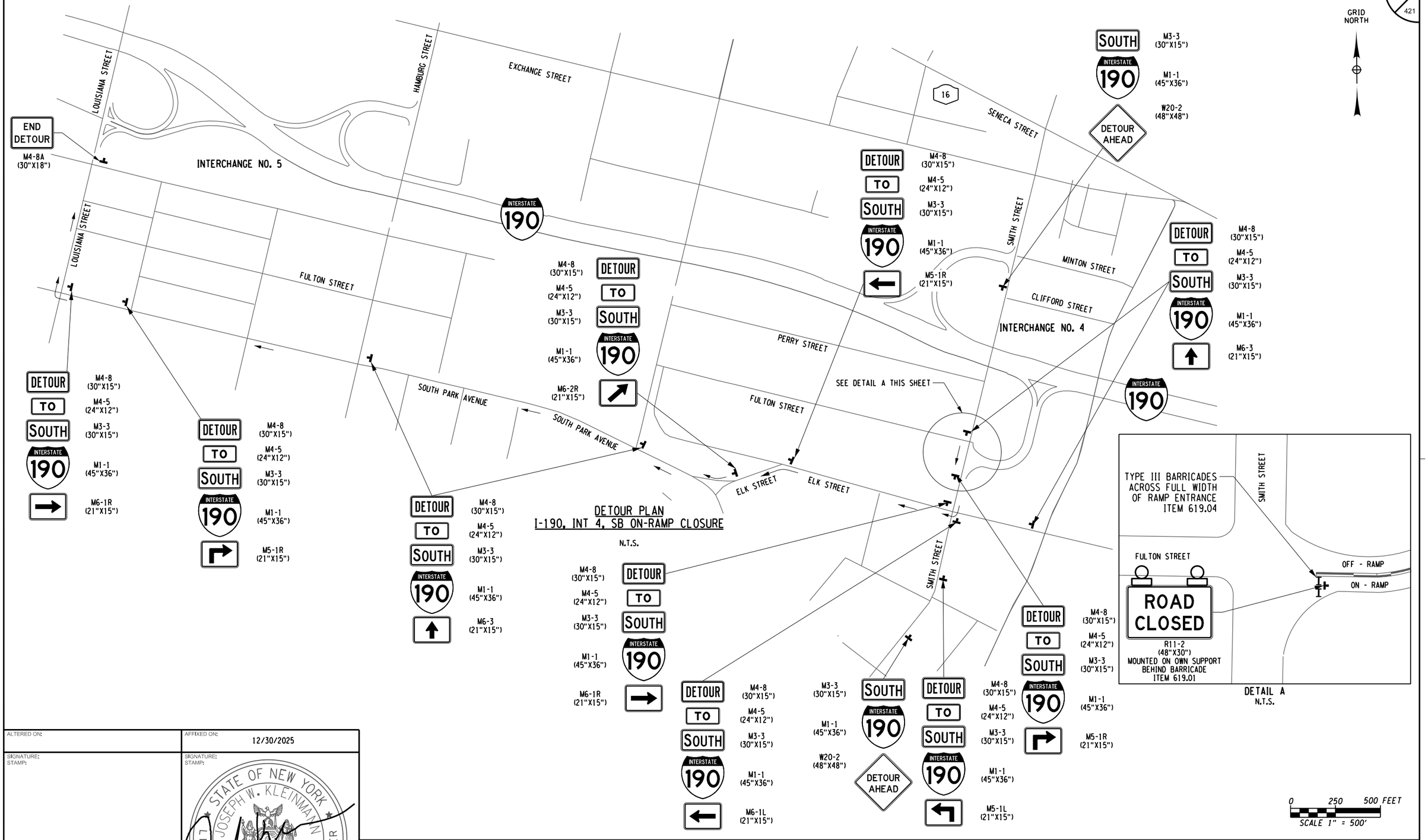
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-9

GRID NORTH

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-10

GRID NORTH

PVMS-1

PVMS-2

EXIT CLOSED
E5-2a
(48" X 36")
SEE NOTE 1

RAMP CLOSED 1/2 MILE
W20-3 (SPECIAL)
(48"X48")

PERRY STREET

1/2 MILE

1500'

E5-2a
(48" X 36")
SEE NOTE 1

EXIT CLOSED

MINTON STREET

CLIFFORD STREET

SEE DETAIL A THIS SHEET

FULTON STREET

DETOUR 1500 FT
W20-2
(48"X48")

SMITH STREET

END DETOUR
M4-8A
(30"X18")

INTERSTATE 190

INTERCHANGE NO. 4

ELK STREET

PERRY STREET

INTERSTATE 190

INTERCHANGE NO. 3

ELK STREET

PLACE TYPE III BARRICADES IN SHOULDER AND DECELERATION LANE

DELINEATON DEVICES AT 20' SPACING (MAX.)

DECEL. LANE

ACCEL. LANE

100'
DOWNSTREAM TAPER

260'
SHOULDER TAPER

PROTECTIVE VEHICLE

E5-2a
48"x 36"

EXIT CLOSED

DETAIL A
N.T.S.

FOR TCP-18
X - EXIT 4
Y - EXIT 3
Z - ELK
Z - ST

DETOUR
TO
Smith St

M4-5 (24"X12")
D3-1 (41"X12")
M6-3 (21"X15")

DETOUR
TO
Smith St

M4-8 (30"X15")
M4-5 (24"X12")
D3-1 (41"X12")
M5-2R (30"X21")

DETOUR
TO
Smith St

M4-8 (30"X15")
M4-5 (24"X12")
D3-1 (41"X12")
M6-2R (30"X21")

DETOUR
TO
Smith St

M4-8 (30"X15")
M4-5 (24"X12")
D3-1 (41"X12")
M5-1R (30"X21")

DETOUR
TO
Smith St

M4-8 (30"X15")
M4-5 (24"X12")
D3-1 (41"X12")
M6-1R (21"X15")

DETOUR PLAN
I-190, INT 4, SB OFF-RAMP CLOSURE

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

NOTES:
1. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL PLANS EXIT DETOURS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPTCP-11

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

GRID NORTH

EXCHANGE STREET
LOUISIANA STREET
HAMBURG STREET
SENECA STREET
FULTON STREET
PERRY STREET
CLIFFORD STREET
MINTON STREET
SMITH STREET

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M6-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M5-1R (30"X21")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M5-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M6-2R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M6-2R (30"X21")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M5-2R (30"X21")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M5-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (41"X12") Smith St
M6-1R (21"X15")

END DETOUR
M4-8A (30"X18")

16

INTERSTATE 190

INTERCHANGE NO. 5

INTERCHANGE NO. 4

SEE DETAIL A THIS SHEET

EXIT CLOSED
E5-2a (48" X 36")
SEE NOTE 1

1500'
1/2 MILE
W20-3 (SPECIAL) (48"X48")
RAMP CLOSED 1/2 MILE
PVMS-2
PVMS-1

DETOUR 1500 FT
W20-2 (48"X48")

E5-2a (48" X 36")
SEE NOTE 1
EXIT CLOSED

MATCH LINE THIS DRAWING ABOVE

MATCH LINE THIS DRAWING BELOW

0 250 500 FEET
SCALE 1" = 500'

DETOUR PLAN
I-190, INT 4, NB OFF-RAMP CLOSURE

N.T.S.

EXIT CLOSED
E5-2a 48"x 36"

PROTECTIVE VEHICLE
100' DOWNSTREAM TAPER
260' SHOULDER TAPER
ACCEL. LANE
DECEL. LANE
PLACE TYPE III BARRICADES IN SHOULDER AND DECELERATION LANE
DELINEATON DEVICES AT 20' SPACING (MAX.)

DETAIL A
N.T.S.

FOR CPTCP-17
X - EXIT 4
Y - EXIT 5
Z - HAMBURG
Z - ST

NOTES:
1. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPTCP-12

GRID NORTH

EXCHANGE STREET
LOUISIANA STREET
HAMBURG STREET
SENECA STREET
SENECA STREET
EXCHANGE STREET
SMITH STREET
FILLMORE AVENUE
SMITH STREET
MINTON STREET
CLIFFORD STREET
PERRY STREET
FULTON STREET
LOUISIANA STREET
SEE DETAIL A THIS SHEET
INTERCHANGE NO. 5
INTERCHANGE NO. 4
16
16

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1R (21"X15")

END DETOUR
M4-8A (30"X18")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-2L (21"X15")

M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
W20-2 (48"X48") DETOUR AHEAD

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-3 (21"X15")

M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
W20-2 (48"X48") DETOUR AHEAD

TYPE III BARRICADES ACROSS FULL WIDTH OF RAMP ENTRANCE ITEM 619.04

ON - RAMP
OFF - RAMP
MINTON STREET
CLIFFORD STREET

ROAD CLOSED
R11-2 (48"X30") MOUNTED ON OWN SUPPORT BEHIND BARRICADE ITEM 619.01

DETAIL A
N.T.S.

DETOUR PLAN
I-190, INT 4, NB ON-RAMP CLOSURE

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
One Main Place
Suite 1100
Albany, NY 12205-2722
518.453.4500 - www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL PLANS EXIT DETOURS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPTCP-13

GRID NORTH

END DETOUR M4-8A (45"X36")

DETOUR M4-8 (30"X15")
TO M4-5 (24"X12")
Hamburg St D3-1 (54"X12")
M6-2L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (54"X12") Hamburg St
M6-1L (21"X15")

DETOUR M4-8 (30"X15")
TO M4-5 (24"X12")
Hamburg St D3-1 (54"X12")
M6-1L (30"X21")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
D3-1 (54"X12") Hamburg St
M5-1L (21"X15")

SENECA STREET
EXCHANGE STREET
HAMBURG STREET
VAN RENSSELAER STREET
SMITH STREET
SELKIRK STREET
16
INTERSTATE 190

E5-2a (48" X 36") SEE NOTE 1
EXIT CLOSED

INTERCHANGE NO. 5
INTERCHANGE NO. 4
SEE NOTE 1

INTERSTATE 190 EXIT 5
HAMBURG ST CLOSED
USE EXIT 4 SMITH ST

DETOUR PLAN
I-190, INT 5, NB OFF-RAMP CLOSURE

N.T.S.

NOTES:
1. SEE DRAWING CPTCP-18 FOR I-190 ADVANCED RAMP CLOSURE DETAILS.
2. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

0 250 500 FEET
SCALE 1" = 500'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL PLANS EXIT DETOURS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPTCP-14

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

GRID NORTH

TYPE III BARRICADES ACROSS FULL WIDTH OF RAMP ENTRANCE ITEM 619.04

R11-2 (48"X30") MOUNTED ON OWN SUPPORT BEHIND BARRICADE ITEM 619.01

ROAD CLOSED

ON - RAMP

OFF - RAMP

HAMBURG STREET

SEE DETAIL A TO THE LEFT ON THIS SHEET

INTERCHANGE NO. 5

INTERCHANGE NO. 4

SOUTH PARK AVENUE

ELK STREET

SMITH STREET

DETAIL A

N.T.S.

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1L (21"X15")

M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
W20-2 (48"X48") DETOUR AHEAD

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-3 (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
W20-2 (36" X36") DETOUR AHEAD

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-2R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M5-1L (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-1 (30"X15") NORTH
M1-1 (45"X36") INTERSTATE 190
M6-1L (21"X15")

END DETOUR M4-8A (30"X18")

INTERSTATE 190

DETOUR PLAN
I-190, INT 5, NB ON-RAMP CLOSURE

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-15

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

GRID NORTH

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M5-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M6-3 (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M6-2R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M5-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M6-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M6-1R (21"X15")

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M6-3 (21"X15")

M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
W20-2 (36" X36") DETOUR AHEAD

M4-8 (30"X15") DETOUR
M4-5 (24"X12") TO
M3-3 (30"X15") SOUTH
M1-1 (45"X36") INTERSTATE 190
M6-3 (21"X15")

SENECA STREET
SENECA STREET
SENECA STREET
EXCHANGE STREET
LOUISIANA STREET
HAMBURG STREET
16
16
16
INTERCHANGE NO. 5
SEE DETAIL A BELOW
PERRY STREET
INTERSTATE 190
INTERCHANGE NO. 4
SMITH STREET
MINTON STREET
CLIFFORD STREET
PERRY STREET
FULTON STREET
ELK STREET
INTERSTATE 190

END DETOUR
M4-8A (30"X18")

R11-2 (48"X30") MOUNTED ON OWN SUPPORT BEHIND BARRICADE ITEM 619.01
ROAD CLOSED
TYPE III BARRICADES ACROSS FULL WIDTH OF RAMP ENTRANCE ITEM 619.04
LOUISIANA STREET
OFF - RAMP
ON - RAMP
PERRY STREET

DETAIL A
N.T.S.

DETOUR PLAN
I-190, INT 5, SB ON-RAMP CLOSURE

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

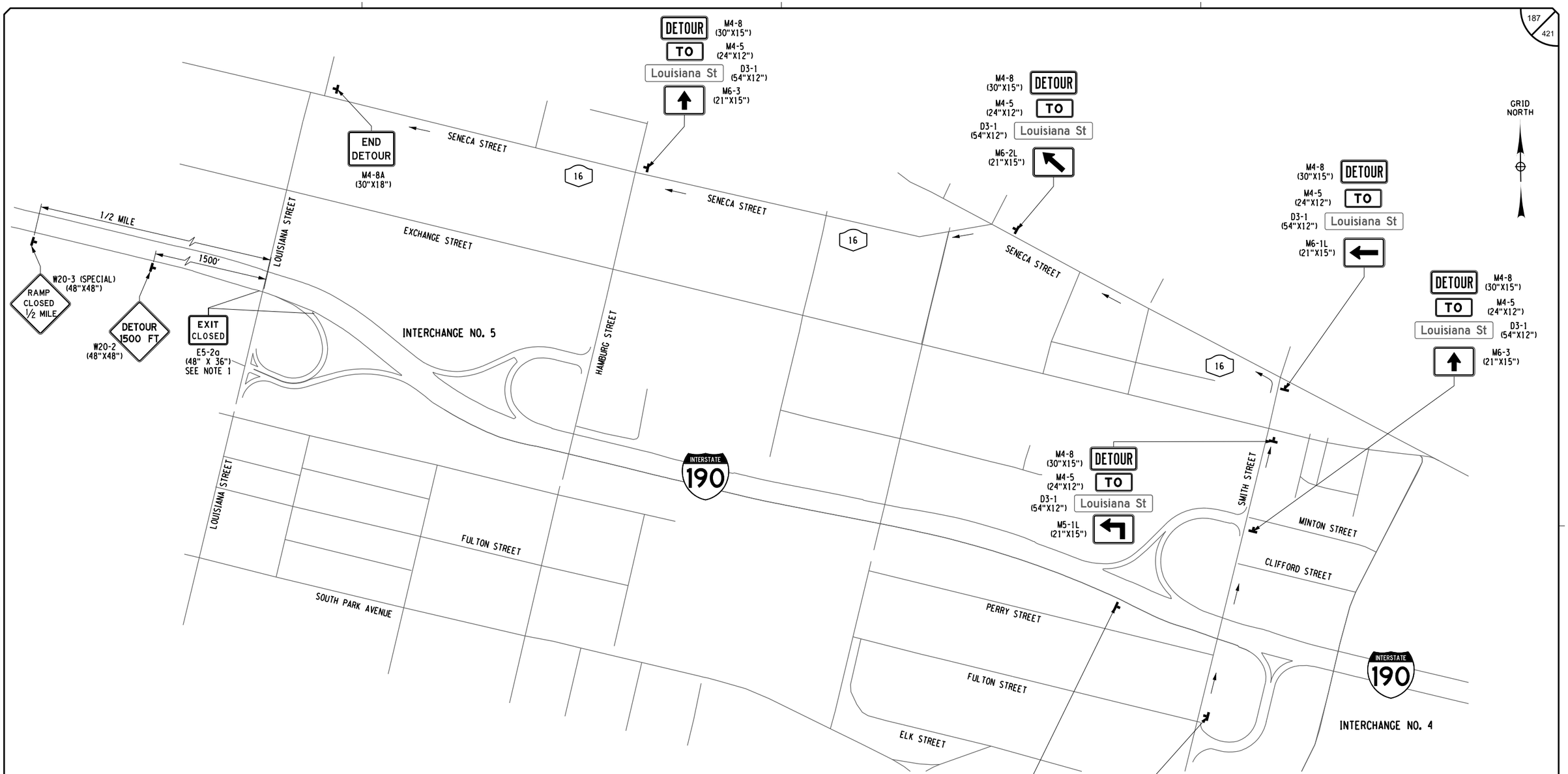
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-16



DETOUR PLAN
I-190, INT 5, SB OFF-RAMP CLOSURE

N.T.S.

NOTES:

1. SEE DRAWING CPTCP-18 FOR I-190 ADVANCE RAMP CLOSURE DETAILS.
2. SIGN PLACE DIAGONALLY ACROSS OVERHEAD EXIT SIGN.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

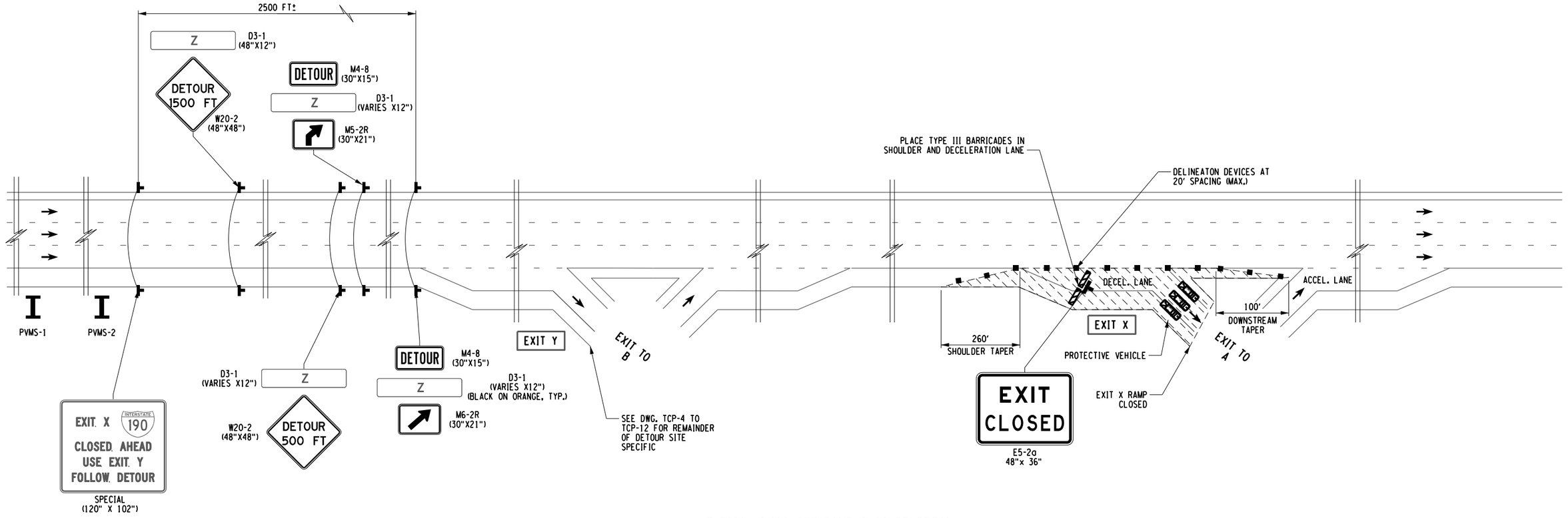
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS EXIT DETOURS	DRAWING NUMBER: CPTCP-17



TYPICAL I-190 OFF-RAMP CLOSURE DETAIL

N.T.S

EXIT X RAMP CLOSED	FOLLOW DETOUR AHEAD	TRAFC TO Z Z	USE EXIT Y
MESSAGE 1	MESSAGE 2	MESSAGE 1	MESSAGE 2
PVMS-1		PVMS-2	

A - EXIT X STREET NAME
B - EXIT Y STREET NAME
X - APPLICABLE CLOSED EXIT NUMBER
Y - APPLICABLE DETOUR EXIT NUMBER
Z - APPLICABLE DETOUR STREET NAME

LEGEND

- LANE AND RAMP CLOSURE
- DIRECTION OF TRAFFIC
- SIGN, TEMPORARY
- TYPE III BARRICADE ITEM 619.04
- CHANNELIZING DEVICE
- CHANGABLE MESSAGE SIGN (PVMS) ITEM 619.110513
- PROTECTIVE VEHICLE

DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: P.THOMPSON
DRAFTED BY: N.HOY
CHECKED BY: J.KLEINMANN
CHECKED BY: J.KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

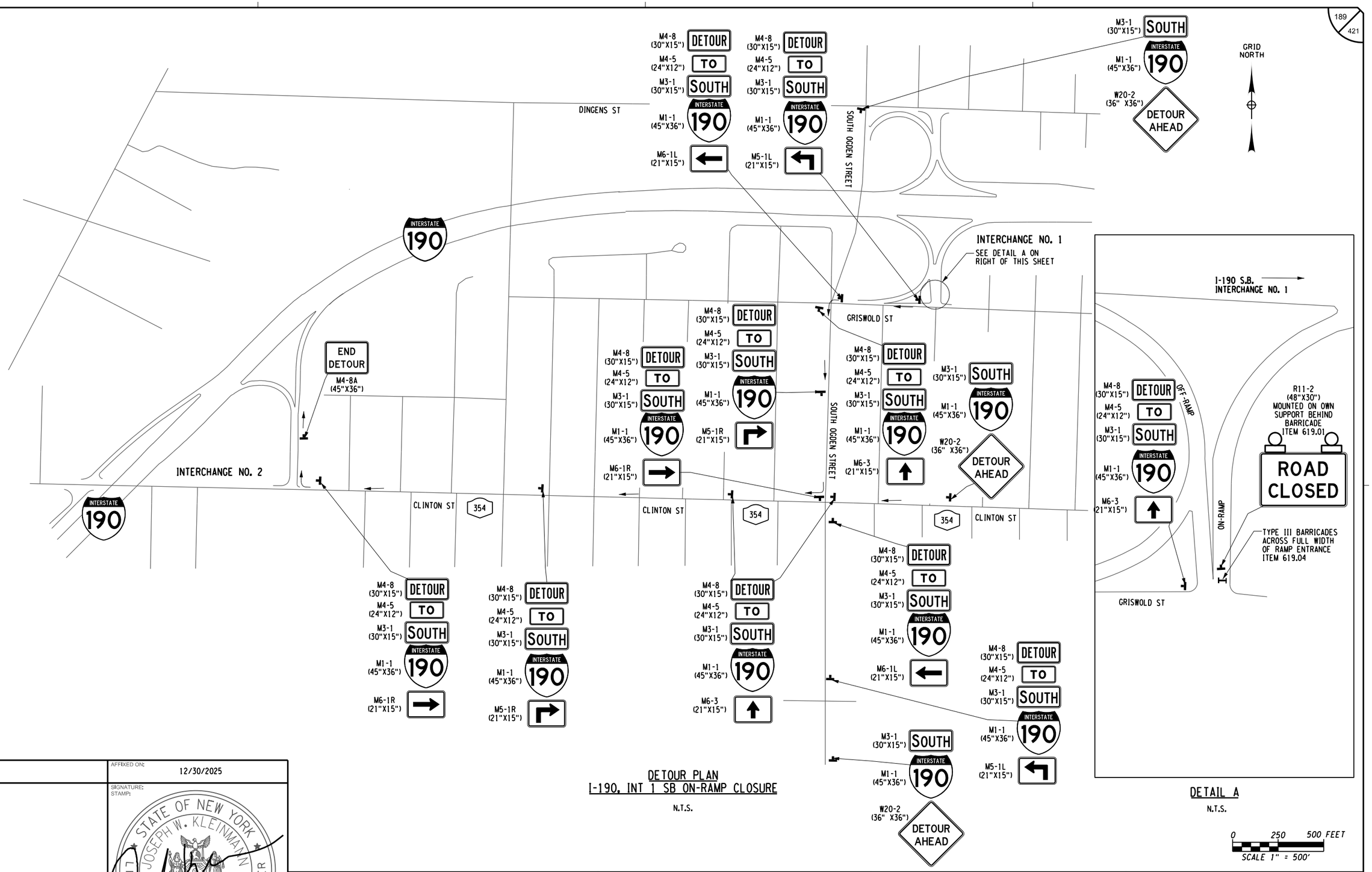
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: TRAFFIC CONTROL PLANS OFF-RAMP CLOSURE DETAIL	DRAWING NUMBER: CPTCP-18

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



DETOUR PLAN
I-190, INT 1 SB ON-RAMP CLOSURE

N.T.S.

DETAIL A

N.T.S.

0 250 500 FEET
SCALE 1" = 500'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
One Main Street Tower
Buffalo, NY 14203-3722
518.453.4500 · www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	TRAFFIC CONTROL PLANS EXIT DETOURS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPTCP-19

GENERAL NOTES:

1. SAW CUTTING - LAYOUT & SAWING:

   THE CONTRACTOR SHALL MARK OUT CLEARLY THE SAW CUT BOUNDARY LINE ACCORDING TO THE PAVEMENT REPAIR TABLES AND THE TYPICAL PAVEMENT REMOVAL PLANS SHOWN ON THIS SHEET.

   THE CONTRACTOR MAY MAKE FULL DEPTH SAW CUTS A MAXIMUM OF 24 HOURS IN ADVANCE OF THE REMOVAL OPERATION. PAVEMENT REMOVAL OPERATIONS SHALL BEGIN 24 HOURS AFTER THE FULL DEPTH SAW CUT. ANY PAVEMENT DAMAGE RESULTING FROM FAILING TO BEGIN REMOVAL OPERATIONS AS SPECIFIED ABOVE SHALL BE REPAIRED AT NO COST TO THE AUTHORITY AND IN A MANNER ACCEPTABLE TO THE ENGINEER.

2. DAMAGE AFTER SAWCUTTING:

   ONCE THE SAWCUT IS MADE, THE CONTRACTOR SHALL PROTECT THE SAW CUT EDGE FROM DAMAGE. DAMAGE TO THE SAW CUT EDGE CAUSED BY THE CONTRACTOR'S OPERATION, AS DETERMINED BY THE ENGINEER, SHALL REQUIRE THE CONTRACTOR TO RE-CUT THE BOUNDARY LINE AT A NEW LOCATION OR AS DETERMINED BY THE ENGINEER.

   THE BOUNDARY LINE SHALL BE RE-CUT 2 INCHES FROM THE DAMAGED EDGE. IF THE DAMAGE CAN NOT BE REMOVED BY RE-CUTTING THE BOUNDARY LINE 2 INCHES AWAY, THE ENGINEER WILL DETERMINE THE LOCATION OF THE DAMAGE REMOVAL LIMITS. ALL ADDITIONAL WORK NEEDED TO REPAIR DAMAGED AREAS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE AUTHORITY.

   THE CONTRACTOR SHALL NOTE THAT THE ENGINEER MAY BE REQUIRED TO SIGNIFICANTLY INCREASE THE SIZE OF PAVEMENT REPAIR LIMITS IF DAMAGE OCCURS, TO MAINTAIN SIMILAR PAVEMENT SLAB SIZES.

3. IN AREAS WHERE THE EXISTING SUBBASE IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE, THE EXISTING SUBBASE SHALL BE UNDERCUT AND BACKFILLED AS SHOWN IN DETAIL.

JOINT NOTES:

A. ALL JOINTS CONSTRUCTED SHALL MATCH THE EXISTING JOINT LAYOUT AS PRACTICABLE AT THE LOCATIONS SHOWN ACCORDING TO REPAIR PLANS OR AS ORDERED BY THE ENGINEER. ADDITION OF JOINTS OTHER THAN AS OUTLINED ABOVE WILL NOT BE ALLOWED.

B. ALL JOINT SAWCUTS SHALL BE PERPENDICULAR TO THE PAVEMENT SURFACE AND PARALLEL TO THE EXISTING JOINT PLAN. ANY SAWCUTS NOT CONFORMING, AS DETERMINED BY THE ENGINEER, TO THE DETAILS AND NOTES IN THESE PLANS WILL BE REJECTED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR REJECTED SAWCUTS.

C. LONGITUDINAL JOINT TIES

   LONGITUDINAL JOINT TIES SHALL BE USED ONLY ON PAVEMENT REPAIRS WITH FULL LENGTH SLABS, WHEN NEW TRANSVERSE JOINTS MATCH EXISTING.

   WHEN ALLOWED BY THE ENGINEER, HAND-HELD DRILLS MAY BE USED IF THE DRILL SPECIFIED IN ITEM 510.81100018 CANNOT BE POSITIONED WITHOUT BEING IN CONFLICT WITH THE WORK ZONE TRAFFIC CONTROL.

D. CONSTRUCTING NEW LONGITUDINAL JOINTS

   LONGITUDINAL JOINT TIES SHALL BE USED WHEN PAVEMENT REPAIRS ARE TO BE COMPLETED FOR MORE THAN ONE LANE OF THE PAVEMENT AND THE LANE OF THE PAVEMENT AND THE REPAIRS HAVE THE SAME TRANSVERSE JOINT LOCATION.

   NEW LONGITUDINAL JOINTS SHALL BE CONSTRUCTED USING ITEM 510.91100018 - LONGITUDINAL JOINTS. SEE NYSDOT STANDARD SHEETS 502-03, 502-04 AND 502-06 FOR DETAILS.

E. LONGITUDINAL JOINT TIES - GENERAL

   THE LONGITUDINAL JOINT TIES SHALL MEET THE REQUIREMENTS OF ITEM 510.91100018 - LONGITUDINAL JOINTS. PLACEMENT AND SPACING OF THE JOINT TIES SHALL CONFORM TO THE STANDARD SPECIFICATION. THE UNIT PRICE BID FOR THIS ITEM SHALL INCLUDE THE COST OF ALL WORK TO COMPLETE THE REPAIRS, AS DETAILED IN THESE PLANS.

F. CONSTRUCTING NEW TRANSVERSE JOINTS

   WHEN MULTIPLE SLABS ARE BEING REPLACED FOR ONE LANE, DRILL AND ANCHOR TRANSVERSE DOWEL BARS TO TIE INTO THE EXISTING CONCRETE AT THE BEGINNING AND END, ITEM 510.81000018. THE TRANSVERSE JOINTS BETWEEN SLABS AND MID SPAN JOINTS SHALL BE CONSTRUCTED USING HINGE AND TRANSVERSE JOINTS, ITEM 510.91000018, RESPECTIVELY. SEE NYSDOT STANDARD SHEETS 502-05 & 502-06 FOR DETAILS. NEW JOINTS SHALL BE FILLED USING ITEM 502.90010018.

PARTIAL DEPTH NOTES:

1. THE CONTRACTOR SHALL NOTE THAT THE TYPICAL REMOVAL PLAN SHOWS COMMON PATTERNS AND NOT ALL FIELD CONDITIONS MAY BE SHOWN. THE ENGINEER WILL MAKE ANY CHANGES TO REPAIR SIZES AND TYPES AS NEEDED.

2. THE CONTRACTOR SHALL MARK OUT CLEARLY THE SAW CUT BOUNDARY LINE ACCORDING TO THE PAVEMENT REPAIR TABLES AND THE TYPICAL PAVEMENT REMOVAL PLAN.

   IF, IN THE OPINION OF THE ENGINEER, THE REMOVAL MARK OUT BOUNDARY BECOMES EXCESSIVE, THEY WILL INFORM THE CONTRACTOR THAT THE REPAIR WILL BE MADE AS A FULL DEPTH REPAIR OR THE ENGINEER WILL INFORM THE CONTRACTOR THAT THE MARK OUT IS ACCEPTABLE AND THE CONCRETE REMOVAL CAN BEGIN.

   THE COST FOR ALL SAWCUTTING ALONG WITH THE REMOVAL AND DISPOSAL OF THE CONCRETE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 511.70000018 CONCRETE REPAIR PARTIAL DEPTH.

3. DAMAGE AFTER SAWCUTTING:

   ONCE THE SAW CUT IS MADE THE CONTRACTOR SHALL PROTECT THE SAW CUT EDGE FROM DAMAGE. DAMAGE TO THE SAW CUT EDGE CAUSED BY THE CONTRACTOR'S OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL REQUIRE THE CONTRACTOR TO RE-CUT THE BOUNDARY LINE AT A NEW LOCATION AS DETERMINED BY THE ENGINEER.

   THE BOUNDARY LINE SHALL BE RE-CUT A MINIMUM OF 2" FROM THE DAMAGED EDGE. THE BOUNDARY LINE RE-CUT SHALL REMOVE ALL OVER SAWING MADE TO MAKE THE REPAIR. ALL ADDITIONAL WORK NEEDED TO REMOVE DAMAGED AREAS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE AUTHORITY.

4. REPAIR BOTTOM:

   USING CHIPPING HAMMERS, THE CONTRACTOR SHALL LEVEL THE BOTTOM OF THE REPAIR AREA TO OBTAIN AN EVEN THICKNESS FOR THE CONCRETE REPAIR MATERIAL. ALL CONCRETE REMOVAL SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.

5. OVER SAWING OF REPAIR:

   THE CONTRACTOR SHALL OVER SAW THE PARTIAL REPAIR LIMITS TO COMPLETE THE REMOVAL OF CONCRETE. THE OVER SAWED AREAS SHALL BE CLEANED ACCORDING TO THE REQUIREMENTS FOR ITEM 511.70000018 PCC PARTIAL DEPTH REPAIRS. THE OVER SAWED AREAS SHALL BE FILLED WITH ANCHORING MATERIAL MEETING THE REQUIREMENTS OF SECTION 701-07 OF THE STANDARD SPECIFICATION. THE COST TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 511.70000018.

6. AT NO TIME SHALL THE CONTRACTOR ALLOW PATCHING MATERIAL TO FLOW INTO OR CROSS A CRACK. CONTRACTOR SHALL NOT ALLOW PATCHING MATERIAL TO FLOW INTO SHOULDER AREAS.

DOWEL BAR RETROFIT NOTES:

1. THE CONTRACTOR SHALL RETRO-FIT CRACKS ACCORDING TO THE PAVEMENT REPAIR TABLES OR AS DIRECTED BY THE ENGINEER. PRIOR TO SAWCUTTING, THE CONTRACTOR SHALL MARK OUT THE BAR LOCATIONS ACCORDING TO THE DETAILS SHOWN ON THIS SHEET. THE CONTRACTOR MAY BEGIN SAWCUTTING AFTER ACCEPTANCE OF THE MARK OUT BY THE ENGINEER.

2. WHEN RETRO-FITTING CRACKS THAT TERMINATE WITHIN A SLAB AND NOT AT AN EXISTING JOINT OR EDGE OF SLAB, THE CONTRACTOR SHALL DRILL A HOLE 25% LARGER THAN THE CRACK WIDTH, AS DETERMINED BY THE ENGINEER, FOR THE FULL DEPTH OF THE SLAB AND FILL THIS HOLE WITH THE SAME ANCHORING MATERIAL (701-07) BEING USED FOR OTHER WORK ON THE PROJECT.

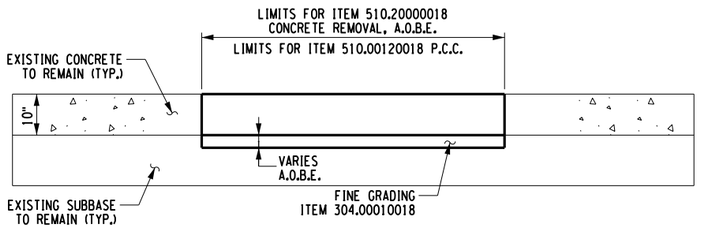
   THE UNIT PRICE BID FOR ITEM 502.70010018 RETRO-FIT DOWELS IN PCC PAVEMENT SHALL INCLUDE THE COST TO DRILL AND FILL THIS HOLE WITH 701-07 ANCHORING MATERIAL AT ANY CRACK LOCATION AS DESCRIBED ABOVE OR WHERE ORDERED BY THE ENGINEER.

3. ANY RETRO-FIT INSTALLATION THAT DOES NOT CONFORM TO THE DETAILS OR THE SPECIFICATION SHALL BE REJECTED AND THE CONTRACTOR SHALL REPLACE THE REJECTED RETRO-FIT AS DIRECTED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR ANY LOCATION REJECTED BY THE ENGINEER.

4. CLEAN AND FILL CRACKS THAT ARE EQUAL TO OR GREATER THAN 1/8"

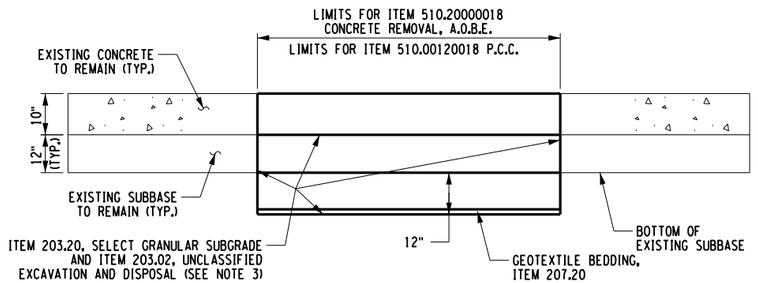
CLEAN AND FILL ALL EXISTING LONGITUDINAL AND TRANSVERSE JOINTS ON MAINLINE AND INTERCHANGE RAMPS.

REFER TO NOTES "D" AND "F" FOR SAWING AND SEALING NEW LONGITUDINAL AND TRANSVERSE JOINTS IN ACCORDANCE WITH NYSDOT STANDARD SHEETS.



SUBBASE FINE GRADING DETAIL

N.T.S.



UNDERCUTTING DETAIL WITH GEOTEXTILE

N.T.S.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

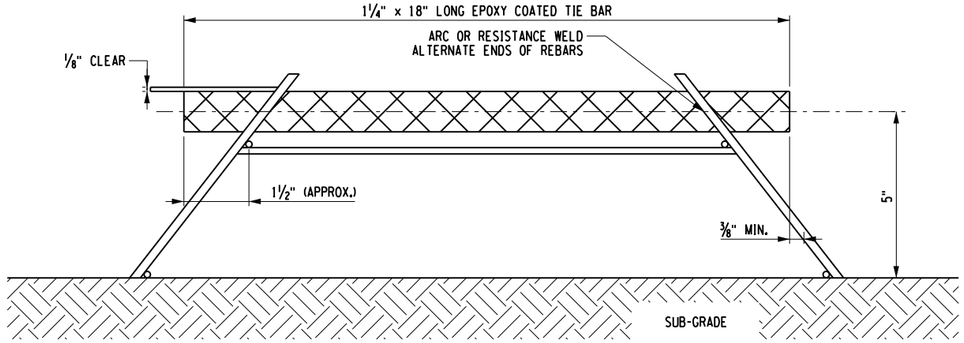
TITLE OF DRAWING: CAST-IN-PLACE MISCELLANEOUS FULL DEPTH REPAIR DETAILS

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MD-1

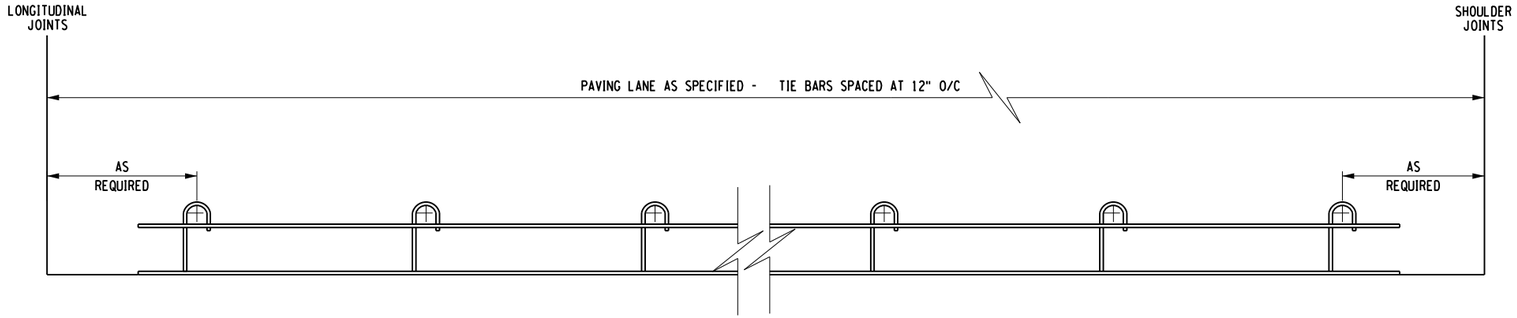
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



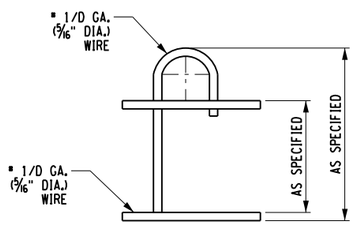
SECTION A-A
N.T.S.

NOTES:

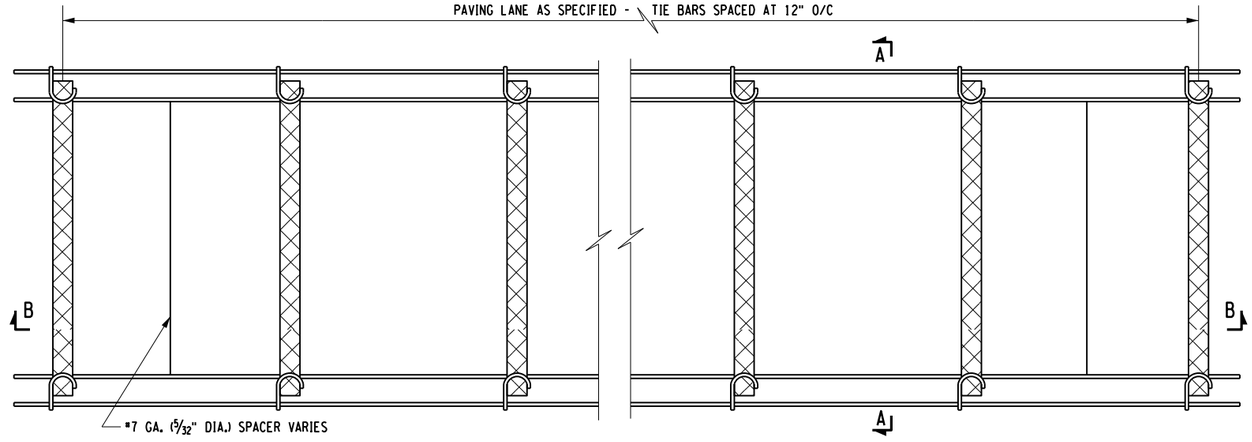
1. DEFORMED BILLET STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
2. USE EPOXY COATED DOWEL BARS.
3. REBAR ARE TO BE SAW CUT OR SHEAR CUT.
4. WIRE SIZES SHOWN ARE MINIMUM REQUIRED.
5. ALL WIRED INTERSECTIONS ARE TO BE RESISTANCE WELDED.
6. TOLERANCES:
   A. ⅛" UNLESS OTHERWISE SPECIFIED
   B. CENTERLINE OF INDIVIDUAL DOWELS SHALL BE PARALLEL TO SUBGRADE AND ALL OTHER DOWELS IN ASSEMBLY WITHIN ⅛".
7. COST TO INSTALL HINGE JOINTS SHALL BE PAID UNDER ITEM 510.91000018.



SECTION B-B
N.T.S.



DETAIL J-LEG
N.T.S.



PLAN VIEW
N.T.S.

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

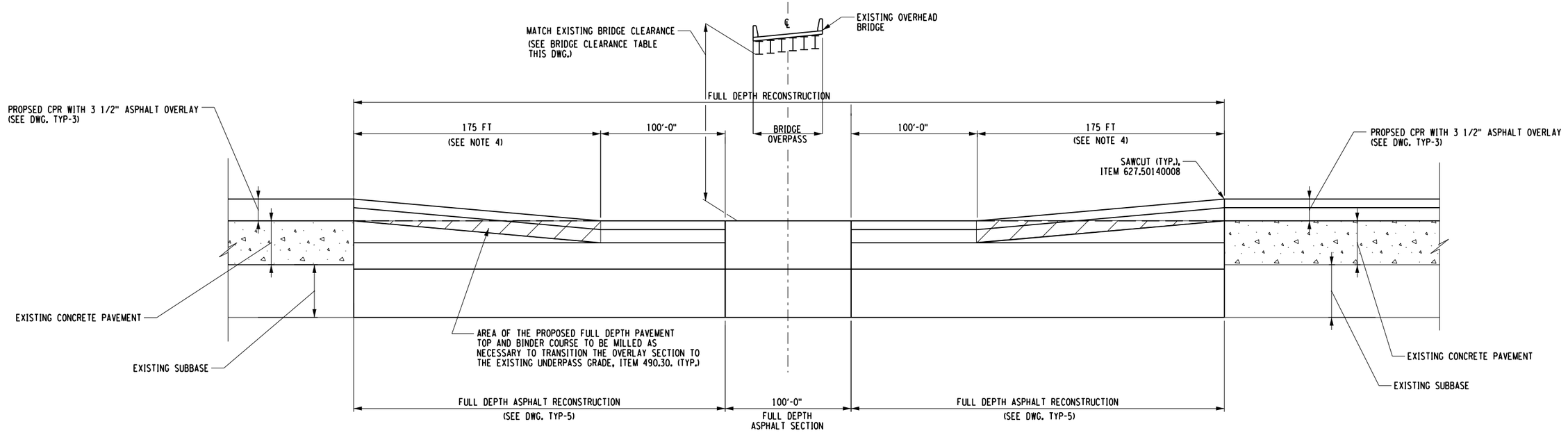
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

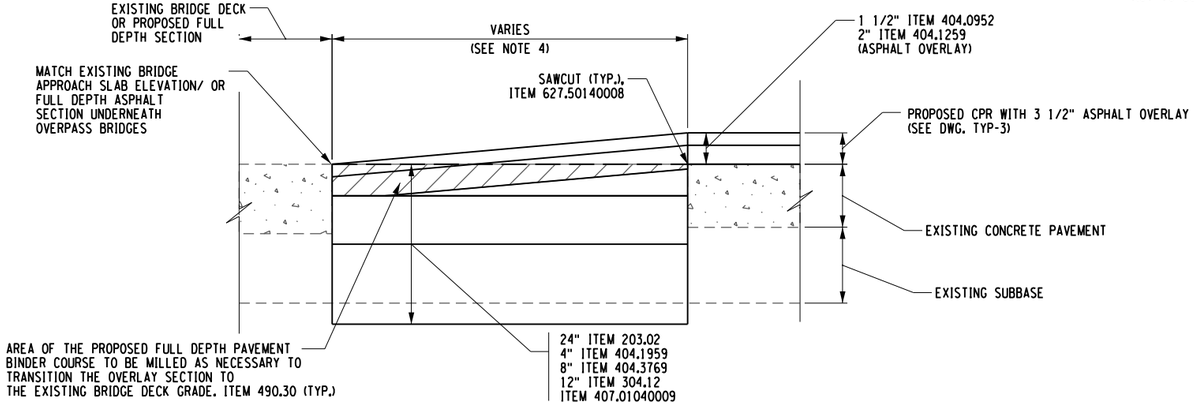
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	HINGE JOINT DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	MD-2



CPR WITH OVERLAY SECTION MATCHING UNDERNEATH BRIDGES WITH TRANSITION

NOT TO SCALE



CPR WITH OVERLAY SECTION MATCHING EXISTING BRIDGE APPROACH SLAB/OR FULL DEPTH PAVEMENT AT OVERPASS BRIDGES

(SEE DWG. TYP-5 & "PL" DWGS. FOR LOCATIONS)
NOT TO SCALE

NOTES:

1. SAWCUT, ITEM 627.50140008, SHALL BE REQUIRED AT BEGINNING AND ENDING LIMITS OF EACH FULL DEPTH RECONSTRUCTION TRANSITION, ALONG THE ASPHALT SHOULDER JOINT AND WHERE ORDERED BY THE ENGINEER IN CHARGE.
2. PLACE NON-TRACKING TACK COAT ON ALL EXPOSED ASPHALT SURFACES THAT WILL BE IN CONTACT WITH NEW ASPHALT, ITEM 407.01040009.
3. SAW CUTS SHALL BE MADE SO THAT SURFACE RUNOFF IS DIRECTED TO THE EDGE OF PAVEMENT.
4. TRANSITION APPLIES TO TO THE FULL DEPTH RECONSTRUCTION LOCATIONS FOR THE THREE (3) BRIDGE OVERPASSES SECTIONS TRANSITIONING TO THE 3 1/2" OVERLAY SECTION AND THE TRANSITION FROM THE 3 1/2" OVERLAY TO THE EXISTING BRIDGE DECK GRADE. SEE "PL" DWGS. FOR TRANSITION LIMITS.

BRIDGE OVERPASS CLEARANCE TABLE		
MILE POST	BRIDGE OVER I-190	MIN. VERT. CLEARANCE
MP 900.70	SOUTH OGDEN	15'-1"
MP 901.06	WEISS ST	14'-6 3/4"
MP 904.13	LOUISIANA ST	14'-6 3/4"

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
404.0952	9.5 F2 TOP COURSE ASPHALT, 50 SERIES COMPACTION	TON
404.1959	19 F9 BINDER COURSE ASPHALT, 50 SERIES COMPACTION	TON
404.3769	37.5 F9 BASE COURSE ASPHALT, 60 SERIES COMPACTION	TON
407.01040009	NON-TRACKING TACK COAT	GAL
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
627.50140008	CUTTING PAVEMENT	LF

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

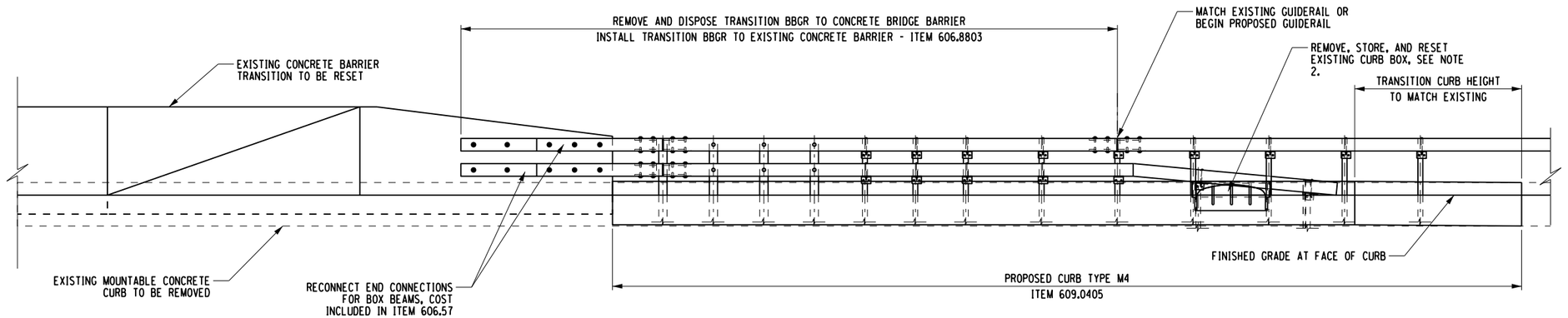
CHA
200 Main - Park Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacalibrio.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS DETAILS

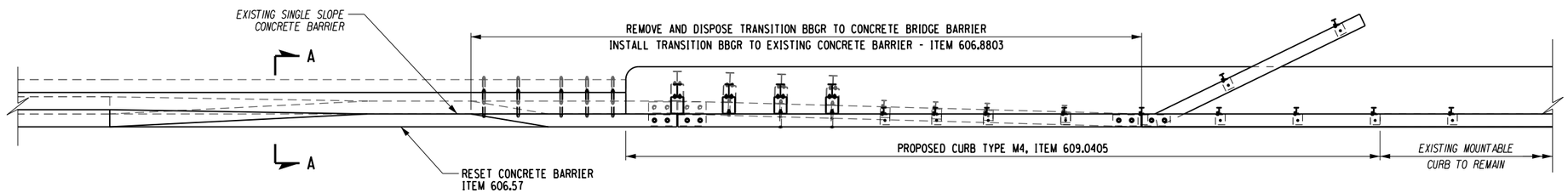
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MD-3

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH

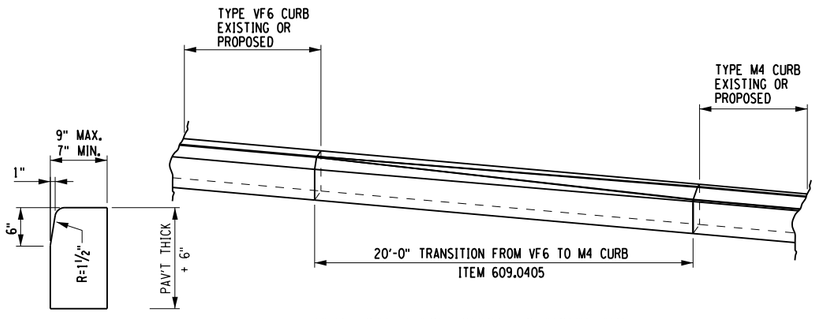
DESIGN SUPERVISOR: D MARSH
DRAFTED BY: P AMICONE
DESIGNED BY: P AMICONE
CHECKED BY: J KLEINMANN
J KLEINMANN



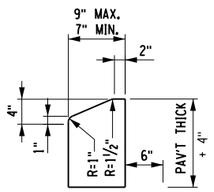
SINGLE SLOPE CONCRETE BARRIER RESET
ITEM 606.57
ELEVATION
N.T.S.



SINGLE SLOPE CONCRETE BARRIER RESET
ITEM 606.57
PLAN
N.T.S.

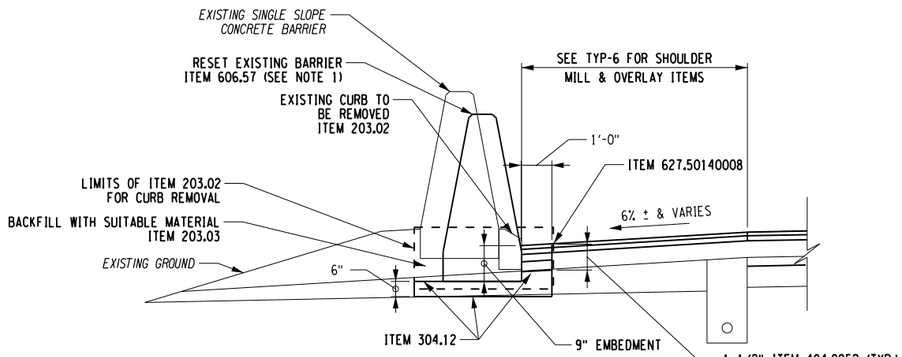


TYPE VF6 CURB



TYPE M4 CURB

VERTICAL FACE CURB TO MOUNTABLE CURB TRANSITION DETAIL
N.T.S.



SECTION A-A
SINGLE SLOPE BARRIER RESET
ML 143+97 TO ML 144+79
N.T.S.

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
404.0952	9.5 F2 TOP COURSE ASPHALT, 50 SERIES COMPACTION	TON
404.1959	19 F9 BINDER COURSE ASPHALT, 50 SERIES COMPACTION	TON
404.3769	37.5 F9 BASE COURSE ASPHALT, 60 SERIES COMPACTION	TON
407.01040009	NON-TRACKING TACK COAT	GAL
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
606.57	RESETTING PRECAST CONCRETE BARRIER	LF
609.0405	CAST-IN-PLACE CONCRETE CURB TYPE M4	LF
627.50140008	CUTTING PAVEMENT	LF

NOTES:
1. EXISTING CONCRETE BARRIER SHALL BE REMOVED AND STORED TO ALLOW FOR EXCAVATION AND REMOVAL OF THE EXISTING CURB PRIOR TO BEING RESET. COST OF REMOVING, STORING AND RESETTING CONCRETE BARRIER TO BE INCLUDED IN ITEM 606.57.
2. RESETTING OF CURB BOX PAID FOR UNDER ITEM 604.070504 FOR DS 19-10. SEE MT-9 FOR ADDITIONAL INFORMATION ON DS 19-10.
3. SEE DRAWING TYP-8 FOR CURB INSTALLATION DETAILS.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

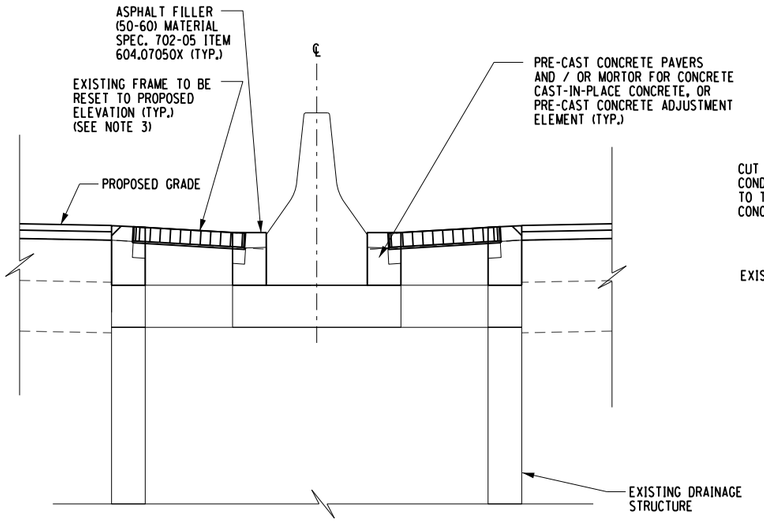
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

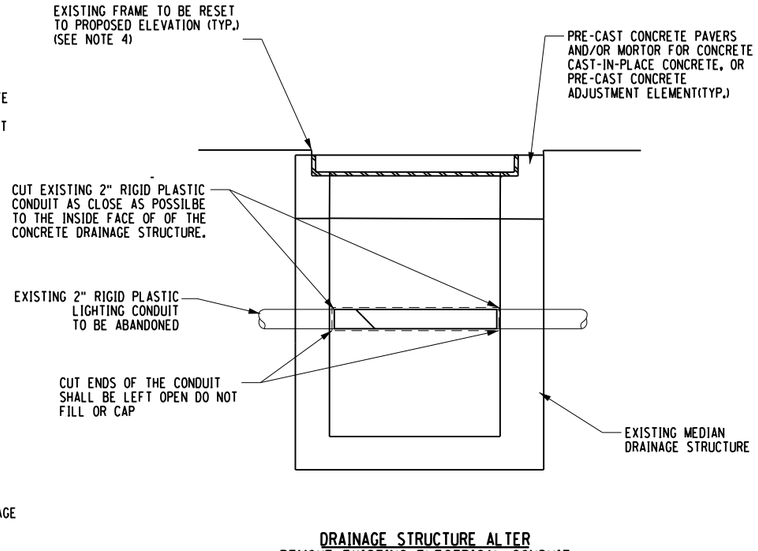
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS DETAILS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MD-4



SECTION

DRAINAGE STRUCTURE ADJUSTMENT IN MEDIAN
ITEM 604.070501
NOTE 10
NTS

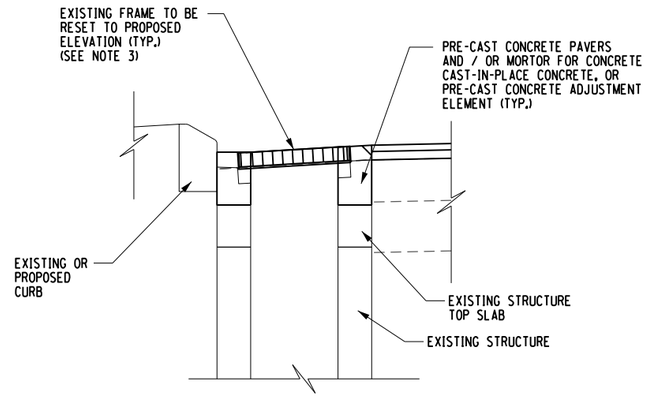


DRAINAGE STRUCTURE ALTER REMOVE EXISTING ELECTRICAL CONDUIT
ITEM 604.070503
NOTE 10
NTS

NOTES:

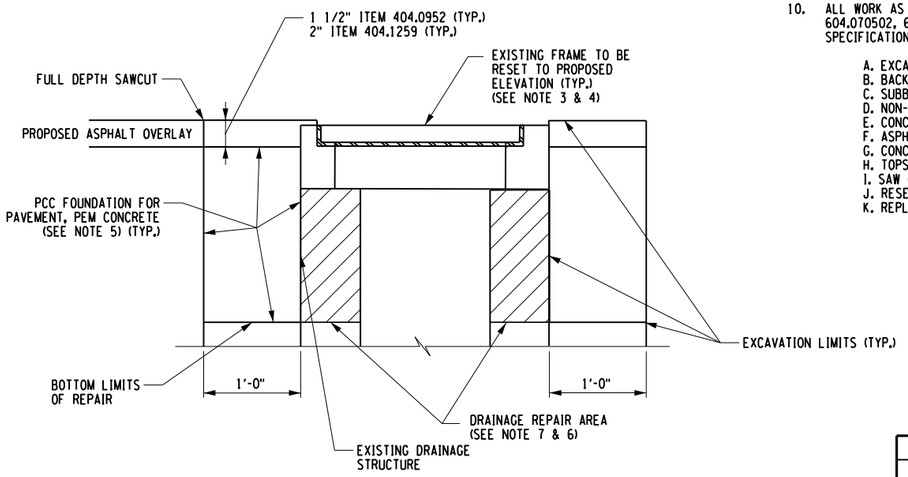
1. THE COST OF ALL DRAINAGE STRUCTURE ADJUSTMENTS TO FINAL GRADE, REINFORCEMENT BARS AND ANY NECESSARY DRILLING, GROUTING & CONCRETE SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS DRAINAGE ITEMS AND SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR 607-5.03 ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES, DRILLING & GROUTING TO MEET THE REQUIREMENTS OF ITEM 586.0201.
2. A MINIMUM OF 6" PRECAST CONCRETE PAVERS AND MORTAR FOR CONCRETE, OR MAXIMUM OF 2" OF MORTAR FOR CONCRETE ALONE SHALL BE USED FOR FRAME AND GREATER ADJUSTMENTS LESS THAN OR EQUAL TO 6". FOR ADJUSTMENTS GREATER THAN 6" UP TO AND INCLUDING 12", CAST-IN-PLACE CONCRETE OR A PRECAST CONCRETE ADJUSTMENT ELEMENT SHALL BE USED. A MAXIMUM OF 2" OF MORTAR FOR CONCRETE SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST ELEMENTS.
3. ANY FRAME AND GRATE WITH HARDWARE MISSING OR DAMAGED FOR SECURING THE GRATE TO THE FRAME SHALL HAVE THAT HARDWARE REPLACED. THE COST FOR THE HARDWARE SHALL BE INCLUDED IN THE PRICE BID FOR FRAME AND GRATES, DRAINAGE STRUCTURE ADJUSTMENTS TO REPAIR STRUCTURES ALTERED FOR WORK ZONE CROSS-OVER CONSTRUCTION SHALL RECEIVE A NEW FRAME AND GRATE TO BE PAID FOR UNDER THE PRICE BID FOR ITEM 655.0902.
4. UNLESS OTHERWISE SHOWN ON THE DRAINAGE STRUCTURE TABLES, IT IS ASSUMED THAT THE EXISTING FRAMES AND GRATES ARE SUITABLE FOR RESETTING AFTER REPAIR OR ALTERATION WORK IS COMPLETED. RESETTING OF EXISTING FRAMES AND GRATES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 604.0705XX. IN CASES WHERE A NEW FRAME AND GRATE IS REQUIRED, ALTERATION OR REPAIR WORK WILL BE PAID FOR UNDER ITEM 604.0705XX AND THE NEW FRAME AND GRATE SHALL BE PAID FOR UNDER ITEM 655.0902. THE ENGINEER IN CHARGE SHALL BE THE FINAL AUTHORITY IN DETERMINING WHETHER OR NOT AN EXISTING FRAME AND GRATE IS SUITABLE FOR RESETTING.
5. EACH STRUCTURE SHALL BE EXCAVATED TO THE MINIMUM DEPTH REQUIRED TO REMOVE ALL OF THE EXISTING ASPHALT AND PORTLAND CEMENT CONCRETE PAVEMENT. THE CONTRACTOR SHALL BE ADVISED THAT EXCAVATION BELOW THIS ELEVATION MAY BE NECESSARY. REMOVE CONCRETE BLOCK, BRICK, OR PORTION OF PRECAST DRAINAGE STRUCTURE TO LIMITS OF DETERIORATION OR A.O.B.E. IF THE EXCAVATION IS LESS THAN 12" BELOW THE REQUIRED MINIMUM DEPTH, IT SHALL BE BACKFILLED WITH MATERIAL CONFORMING TO THE SPECIFICATIONS FOR ITEM 304.12 - SUBBASE COURSE TYPE II. FOR EXCAVATIONS GREATER THAN 12" BELOW THE REQUIRED MINIMUM DEPTH, THE TOP 12" SHALL BE BACKFILLED WITH MATERIAL CONFORMING TO THE SPECIFICATIONS FOR ITEM 304.12 AND THE REMAINING DEPTH SHALL BE BACKFILLED WITH MATERIAL CONFORMING TO THE SPECIFICATIONS FOR ITEM 503.1013 - PCC FOUNDATION FOR PAVEMENT, PEM CONCRETE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 604.0705YY.
6. REPAIR DRAINAGE STRUCTURE WITH EITHER CAST-IN-PLACE CLASS A CONCRETE, PRECAST CONCRETE ADJUSTMENT UNITS, SPECIFICATION SECTION 706-04, AS SHOWN ON THE DETAILS, OR A.O.B.E. ANY MASONRY MORTAR USED SHALL CONFORM TO SPECIFICATION SECTION 705-21.
7. WHEN MULTIPLE COURSES OF PAVERS ARE USED FOR AN ALTERATION/REPAIR, THE STAGGERING OF THE JOINTS ON SUBSEQUENT COURSES IS REQUIRED.
8. THE CONTRACTOR SHALL PERFORM AN INITIAL INSPECTION OF EXISTING DRAINAGE STRUCTURES TO DETERMINE DEPTH OF REPAIR TO BE CONFIRMED BY THE EIC.
9. PROPOSED TOP OF GRATE ELEVATION IS LOCATED AT THE BACK, MIDDLE OF THE GRATE.
10. ALL WORK AS DESCRIBED ON THIS DETAIL AND AS SHOWN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS 604.070501, 604.070502, 604.070503, AND 604.070504 FOR THE PARTICULAR WORK ITEMS INDICATED BELOW THE ASSOCIATED NYSDOT SPECIFICATIONS: DESCRIPTION, MATERIALS, AND CONSTRUCTION DETAILS APPLY:

    A. EXCAVATION - PER ITEM 206.0201
    B. BACKFILL - PER ITEM 203.07
    C. SUBBASE - PER ITEM 304.12
    D. NON-TRACKING TACK COAT - PER ITEM 407.01040009
    E. CONCRETE CLASS 'C', CLASS 'A'.
    F. ASPHALT BINDER - PER ITEM 404.1989
    G. CONCRETE SIDEWALK - PER ITEM 608.0101
    H. TOPSOIL, TURF ESTABLISHMENT PER ITEMS 610.1402, 610.1601
    I. SAW CUTTING - PER ITEM 627.50140008
    J. RESETTING FRAMES, GRATES, CURB BOXES AND INLET PLATES.
    K. REPLACE CURB PER ITEM 609.0401 OR ITEM 609.0405



SECTION

DRAINAGE STRUCTURE ADJUSTMENT ALONG OUTSIDE SHOULDER
ITEM 604.070504
NOTE 10
NTS



DRAINAGE REPAIR DETAIL
ITEM 604.070502
NOTE 10
NTS

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REPAIR EXISTING DRAINAGE STRUCTURE	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA

DRAFTED BY: P.AMICONE
CHECKED BY: J.KLEINMANN
DESIGNED BY: P.AMICONE
CHECKED BY: J.KLEINMANN
DESIGN SUPERVISOR: D.MARSH

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

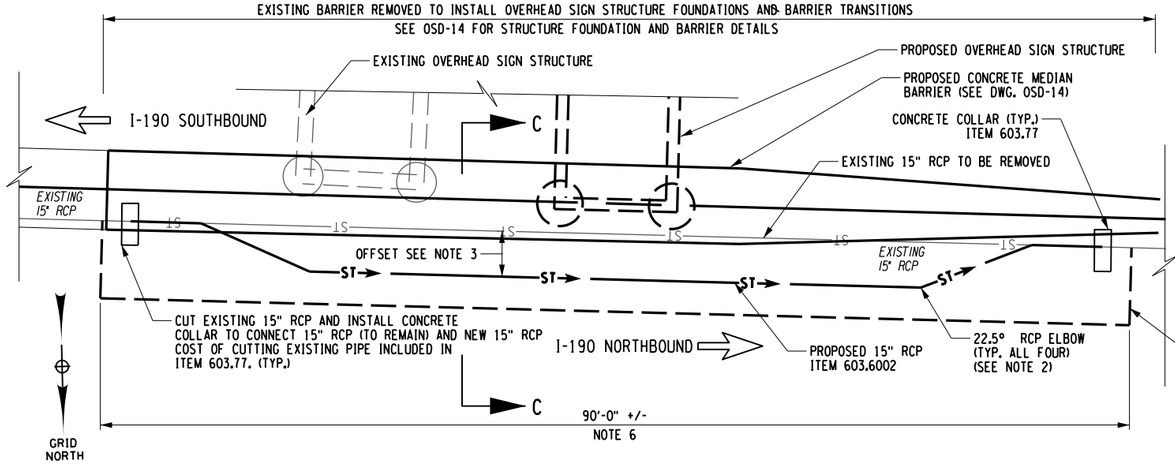
Drawing Copyright © 2025

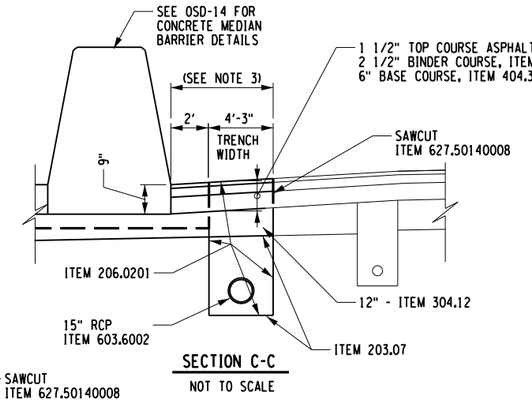
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS DETAILS

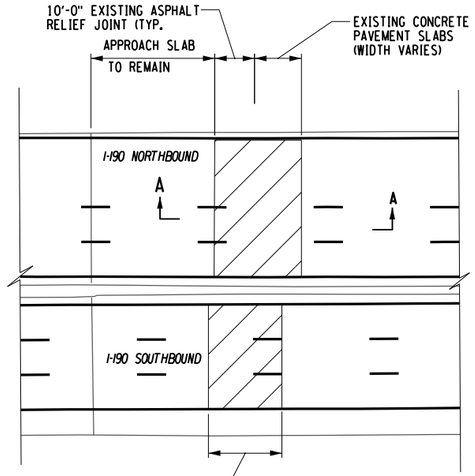
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MD-5

DESIGNED BY: P AMICONE
DRAFTED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH





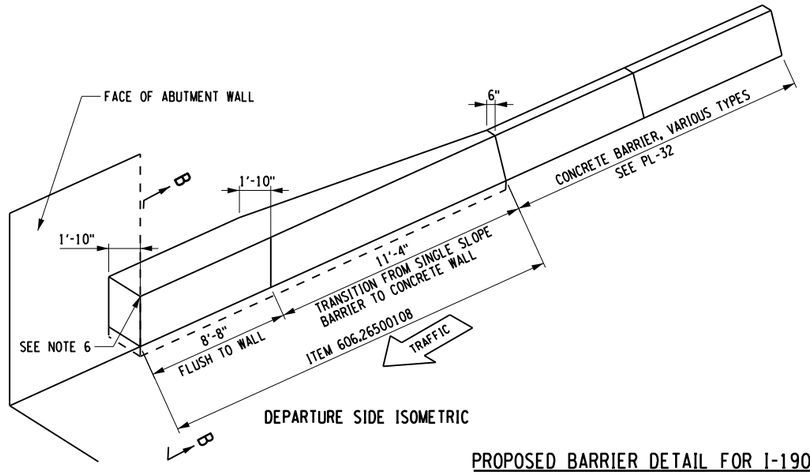
SECTION C-C
NOT TO SCALE



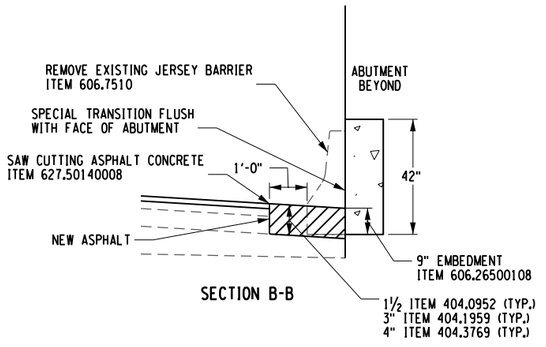
PLAN

RELOCATE EXISTING MEDIAN DRAINAGE STA. ML 23+75
S900.38 (NEW OVERHEAD SIGN STRUCTURE)

NOT TO SCALE



DEPARTURE SIDE ISOMETRIC



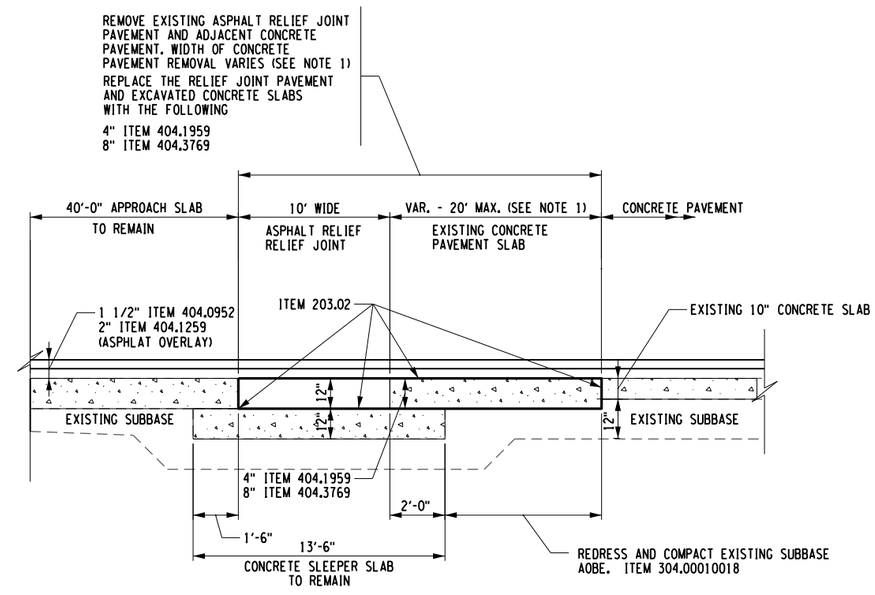
SECTION B-B

PROPOSED BARRIER DETAIL FOR I-190 SOUTHBOUND AT BIN 5512290

NOT TO SCALE

MISCELLANEOUS DETAILS NOTES:

1. SEE CPR DWGS FOR INDIVIDUAL LIMITS OF RELIEF JOINT RECONSTRUCTION.
2. THE CONTRACTOR SHALL TAKE AND RECORD INVERTS AT EACH LOCATION OF WHERE THE 15 INCH RCP IS CUT. SET THE NEW 15 INCH RCP AT A CONSISTENT GRADE BASED ON THE EXISTING INVERTS OF THE 15 INCH RCP. COST OF ANY FITTINGS AND ELBOWS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 603.6002.
3. THE AMOUNT OF THE OFFSET FOR THE NEW 15 INCH RCP DEPENDS ON ACTUAL LOCATION OF THE EXISTING 15 INCH RCP MEDIAN DRAINAGE PIPE AND THE EXISTING 6 INCH UNDERDRAIN. THIS SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION BUT IS PROJECTED TO BE A 2.5 TO 5 FOOT OFFSET TO CLEAR THE NEW DRILLED SHAFTS.
4. IT IS INTENDED TO INSTALL THE RELOCATED MEDIAN DRAINAGE PIPE (15 INCH RCP) IN THE LEFT SHOULDER FOR NORTHBOUND I-190. EXACT LOCATION OF THE EXISTING 15 INCH RCP AND FIELD CONDITIONS SHALL DETERMINE IF THE LEFT SHOULDER FOR SOUTHBOUND I-190 IS A MORE APPROPRIATE LOCATION.
5. CONTRACTOR SHALL DETERMINE IN THE FIELD THE REQUIRED LENGTH OF RELOCATED STORM PIPE TO AVOID CONFLICTS WITH THE EXISTING AND PROPOSED OVERHEAD SIGN STRUCTURE AS WELL AS THE PROPOSED CONCRETE MEDIAN BARRIER. IF THE EXISTING STORM DRAIN DOES NOT CONFLICT WITH THE REMOVAL OF THE EXISTING OVERHEAD SIGN STRUCTURE, THE INSTALLATION OF THE NEW FOUNDATIONS FOR THE PROPOSED SIGN STRUCTURE, OR THE INSTALLATION OF THE PROPOSED MEDIAN BARRIER, IT SHALL REMAIN AS IS AND NOT BE RELOCATED.
6. NON-SHRINK GROUT SHALL BE PLACED BETWEEN THE EXISTING BRIDGE ABUTMENT AND THE TRANSITION CONCRETE BARRIER. COST FOR THE GROUT SHALL BE INCLUDED IN ITEM 606.26500108.



TYPICAL ASPHALT RELIEF JOINT REHABILITATION DETAIL
SECTION A-A

NOT TO SCALE

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

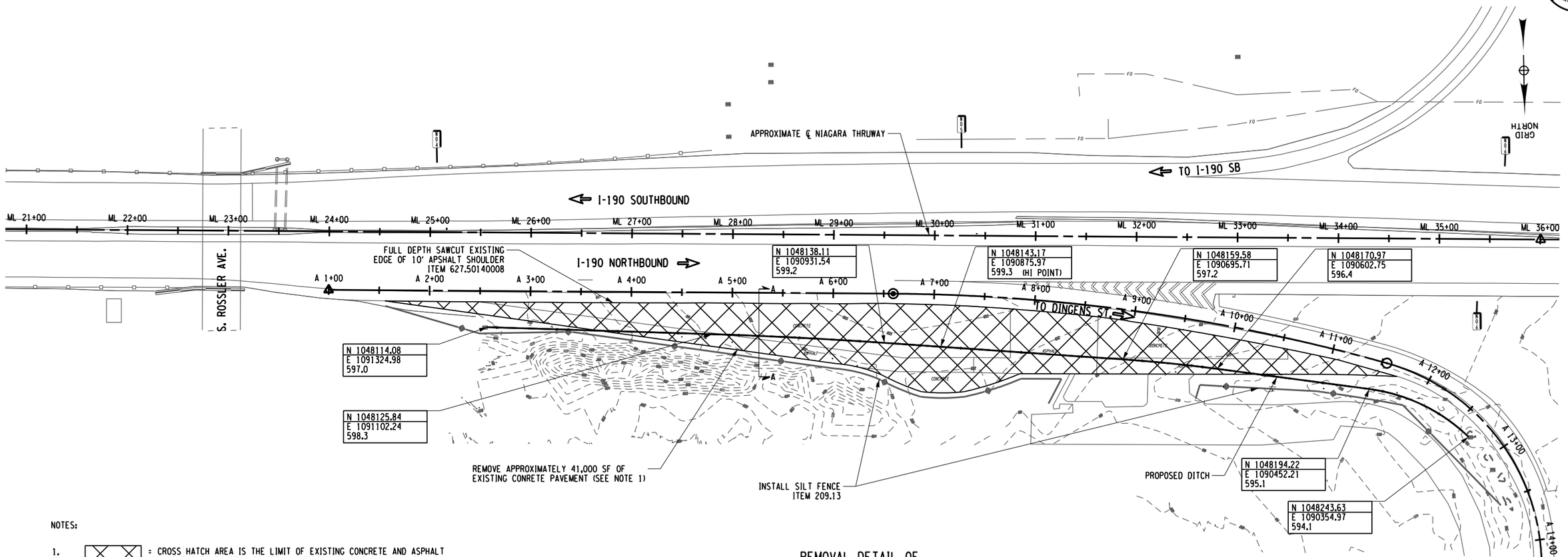
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

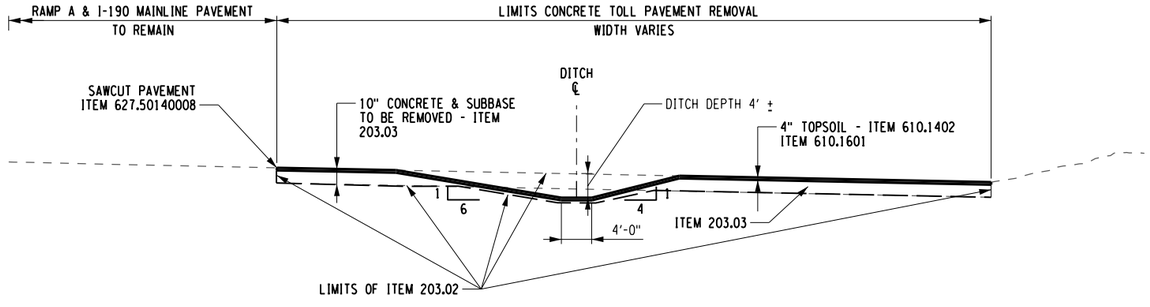
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: MISCELLANEOUS DETAILS	DRAWING NUMBER: MD-6



NOTES:

1. ▨ = CROSS HATCH AREA IS THE LIMIT OF EXISTING CONCRETE AND ASPHALT PAVEMENT TO BE REMOVED ITEMS 203.02, 203.03, 610.1402, AND 610.1601.

REMOVAL DETAIL OF REMAINING TOLL PAVEMENT
N.T.S.



SECTION A-A
PROPOSED DITCH AND CONCRETE REMOVAL
N.T.S.

0 50 100 FEET
SCALE 1" = 100'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

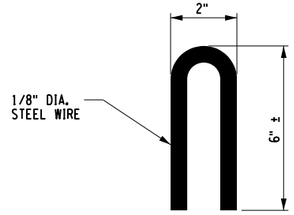
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 • www.chacbltons.com

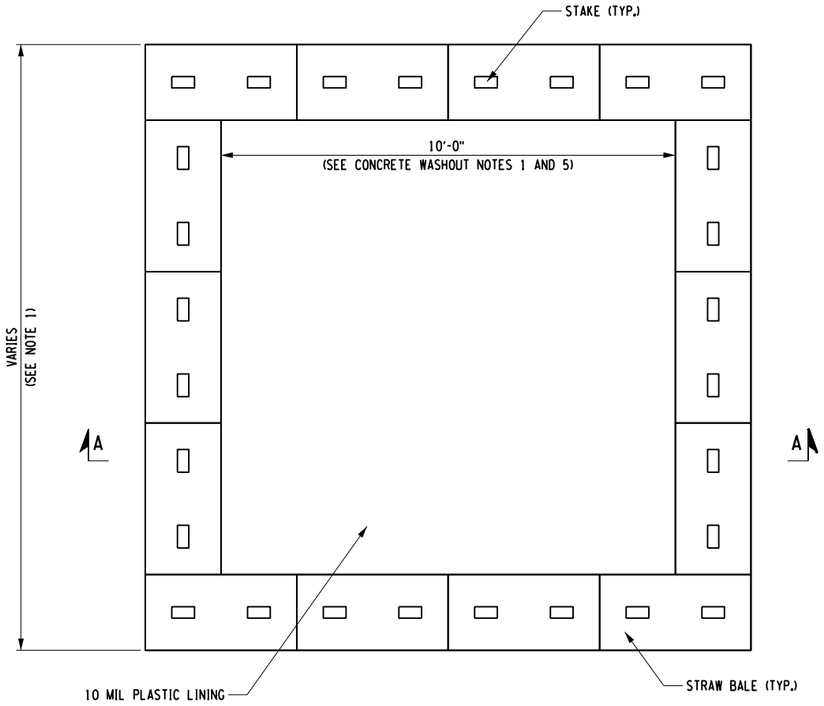
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: MISCELLANEOUS DETAILS	DRAWING NUMBER: MD-7

NOTES:

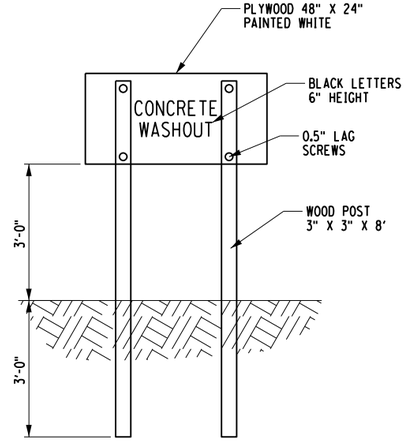
1. ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. LOCATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID OR SOLID WASTE.
4. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
5. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10 FEET, BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
6. STRAW BALES, WOOD STAKES, AND SANDBAG MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 209 OF THE NEW YORK STATE DEPARTMENT OF TRANSPORATATION SPECIFICATIONS AND STANDARD SHEETS.
7. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
8. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED FROM THE SITE OF THE WORK.
9. HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE BACKFILLED AND REPAIRED.
10. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4 INCHES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHALL BE REMOVED AND DISPOSED.
11. WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES SHALL BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
12. THE COST FOR THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE PRICE BID FOR ALL CONCRETE ITEMS.
13. CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR DISPOSAL OUTSIDE OF NYSTA ROW AT NO COST TO THE OWNER.



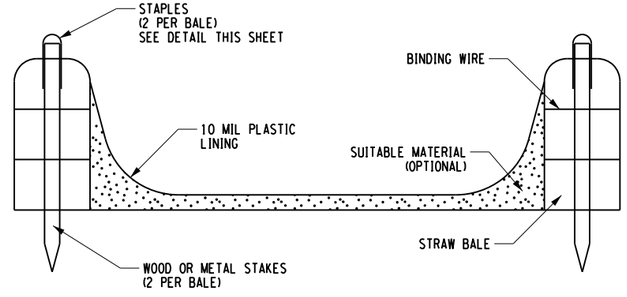
STAPLE DETAIL
N.T.S.



PLAN



CONCRETE WASHOUT SIGN DETAIL
OR EQUIVALENT
N.T.S.



SECTION A-A

CONCRETE WASHOUT SIGN DETAIL
OR EQUIVALENT
N.T.S.

DESIGNED BY: P THOMPSON
DRAFTED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

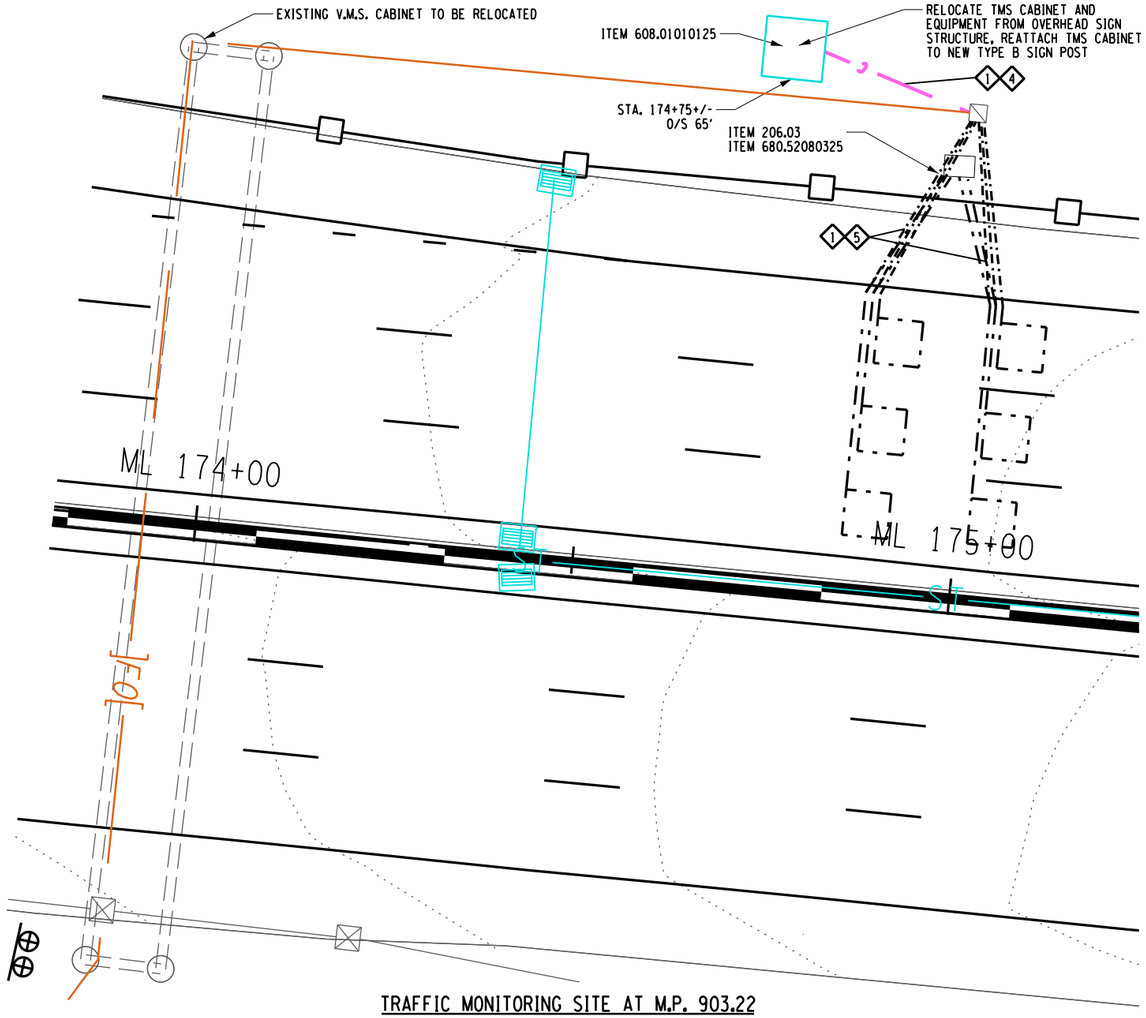
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

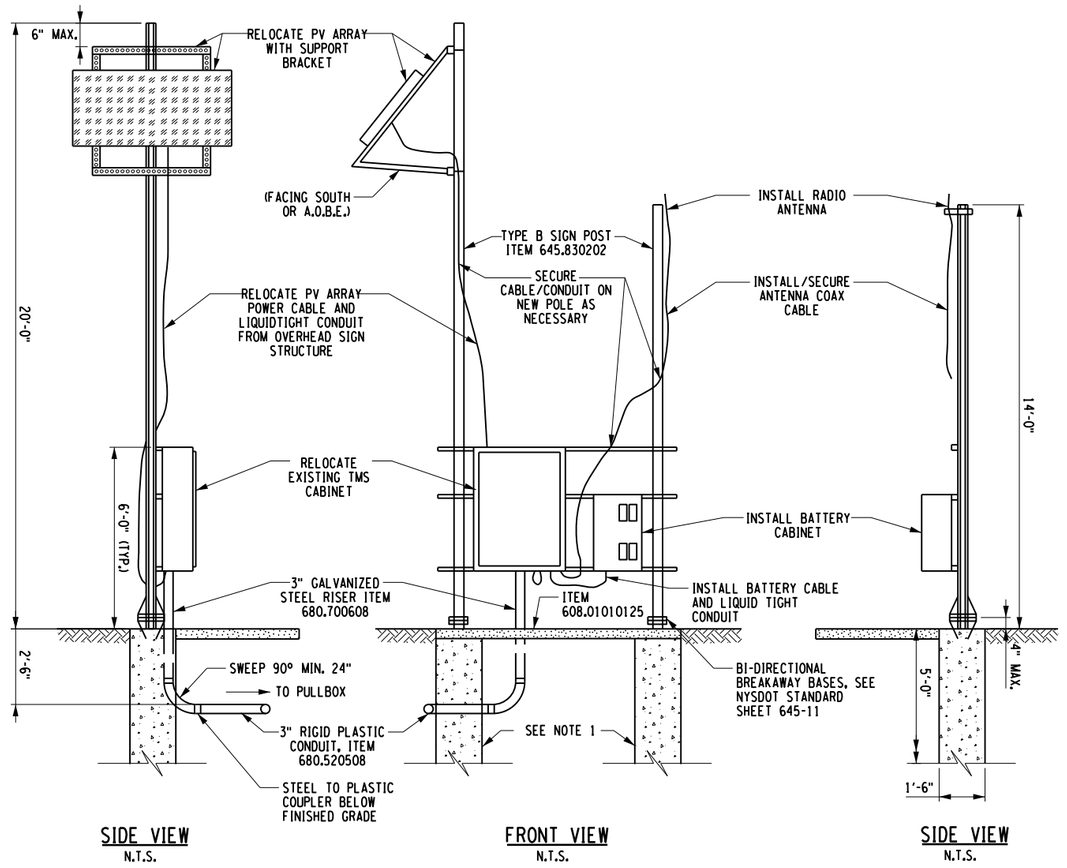
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	MISCELLANEOUS DETAILS CONCRETE WASHOUT
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	MD-8



TRAFFIC MONITORING SITE AT M.P. 903.22
N.T.S.

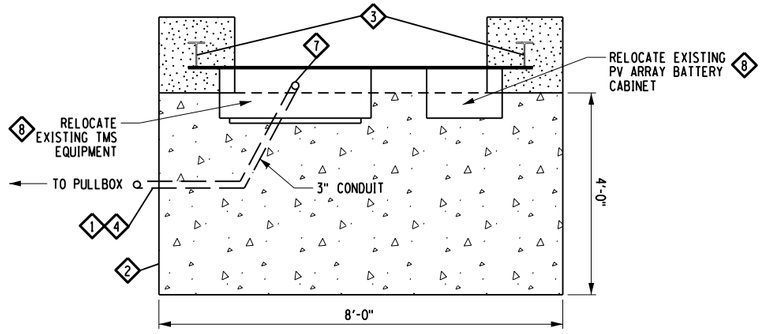


SIDE VIEW
N.T.S.

FRONT VIEW
N.T.S.

SIDE VIEW
N.T.S.

SOLAR-POWERED TMS EQUIPMENT
N.T.S.



WORKPAD FOR TMS EQUIPMENT - PLAN VIEW
N.T.S.

NOTES:

1. FOR FOUNDATION DETAIL SEE NYSDOT STANDARD SHEET 645-10.
2. UNLESS OTHERWISE NOTED BY OTHER PAY ITEMS ON THIS DRAWING, ALL WORK TO RELOCATE THE SOLAR POWERED T.M.S. EQUIPMENT AND WIRING, IS INCLUDED IN THE PRICE BID FOR ITEM 683.1050 25.
3. PREFORMED LOOPS SHALL BE INSTALLED PER NYSTA STANDARD SHEET TA 680-01.
4. ITEM SUPERVISION SHALL BE CONTACTED AT 716-824-7483 PRIOR TO LOOP WORK TO ALLOW THE EQUIPMENT TO BE POWERED DOWN AND DISCONNECTED.
5. PROPOSED 1" LOOP CONDUIT SHALL BE RUN TO THE EXISTING PULLBOX, CONTRACTOR TO FIELD VERIFY THE LOCATION OF THE PULLBOX.

REF. #	ITEM	DESCRIPTION	UNIT
1	206.03	CONDUIT EXCAVATION AND RESTORATION	LF
2	608.01010125	WORK PAD, CONCRETE 4' X 8'	EA
3	645.830202	TYPE B SIGN POSTS, GLAVANIZED, W6x9 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
4	680.520508	TRAFFIC SIGNAL CONDUIT, RIGID PLASTIC, CLASS 1, 3" DIA.	LF
5	680.52080325	1 NPS CONDUIT, FLEXIBLE, LIQUID TIGHT PVC	LF
6	680.5840 25	PREFORMED INDUCTANCE LOOP DETECTOR (ASPHALT OVERLAY) INSTALLATION	EA
7	680.700608	RISER ASSEMBLY, 3" DIAMETER	EA
8	683.1050 25	RELOCATE TRAFFIC MONITORING SITE EQUIPMENT	EA

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

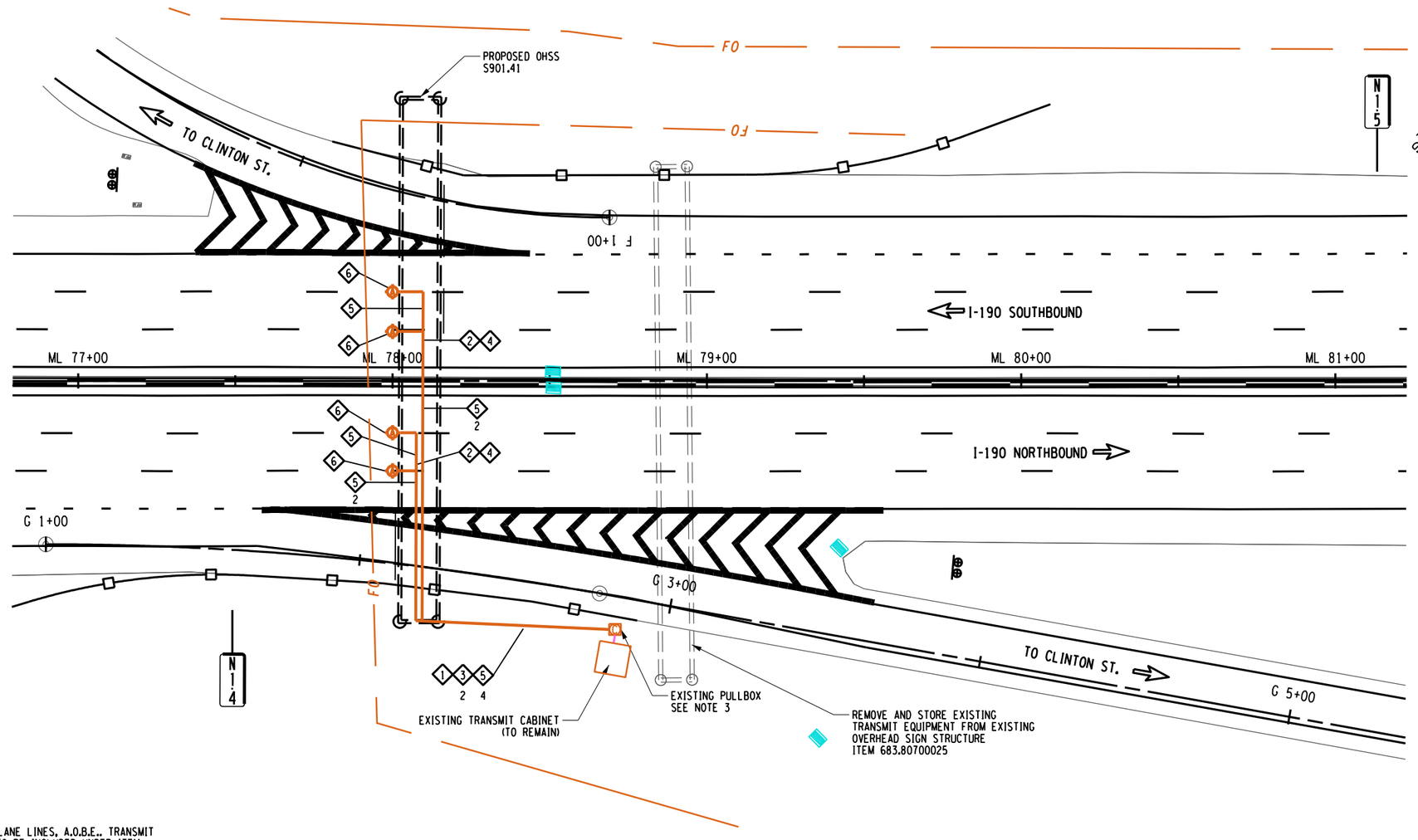
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleMmis.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: TMS CABINET RELOCATION

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MD-9

DESIGNED BY: P THOMPSON
DRAFTED BY: P THOMPSON
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DRAFTED BY: P THOMPSON
CHECKED BY: J KLEINMANN



ITS TRANSMIT EQUIPMENT RELOCATION TO S901.41
N.T.S.

NOTES:

1. EXISTING TRANSMIT ANTENNAS SHALL BE INSTALLED DIRECTLY OVER PROPOSED LANE LINES, A.O.B.E.. TRANSMIT ANTENNAS SHALL BE MOUNTED PER MANUFACUTRERS INSTRUCTIONS. ALL COSTS TO BE INCLUDED UNDER ITEM 683.80700025. NO ADDITIONAL PAYMENT SHALL BE WADE FOR THE TRANSMIT MOUNTING SYSTEMS.
2. WHEN REMOVING THE EXISTING TRANSMIT ANTENNAS FROM THE EXISTING OVERHEAD SIGN STRUCTURE, THE CONTRACTOR SHALL PULL BACK AND COMPLETELY REMOVE THE EXISTING COAXIAL CABLE FROM THE EXISTING CONDUIT AND CABINET IN ORDER TO INSTALL THE NEW CABLES FROM THE EXISTING CABINET AND PULLBOX TO THE NEW OVERHEAD STRUCTURE. CONTRACTOR SHALL COORDINATE WITH NYSTA TO MINIMIZE DOWNTIME OF THIS TRANSMIT SITE.
3. MODIFY EXISTING PULLBOX TO ACCEPT NEW CONDUIT, ITEM 680.77000001.
4. ANY MOUNTING HARDWARE SHALL BE INCLUDED IN PRICE BID FOR ITEM 683.80700025

REF. #	ITEM	DESCRIPTION	UNIT
1	206.03	CONDUIT EXCAVATION AND RESTORATION	LF
2	206.03120025	CONDUIT INSTALLATION ON ABOVE GRADE STRUCTURES	LF
3	670.2602	RIGID PLASTIC CONDUIT, 2"	LF
4	680.520105	CONDUIT, METAL STEEL, ZINC COATED, 1 1/2"	LF
5	680.77510025	TRANSMIT COAXIAL CABLE - TYPE A	LF
6	683.80700025	RELOCATE TRANSMIT SITE EQUIPMENT	EA

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 • www.chacbltons.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

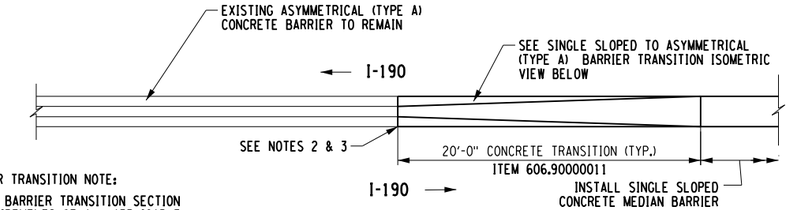
LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
ITS TRANSMIT RELOCATION
STRUCTURE S901.41

CONTRACT NUMBER:
TAN 26-14

DATE:
DEC. 2025

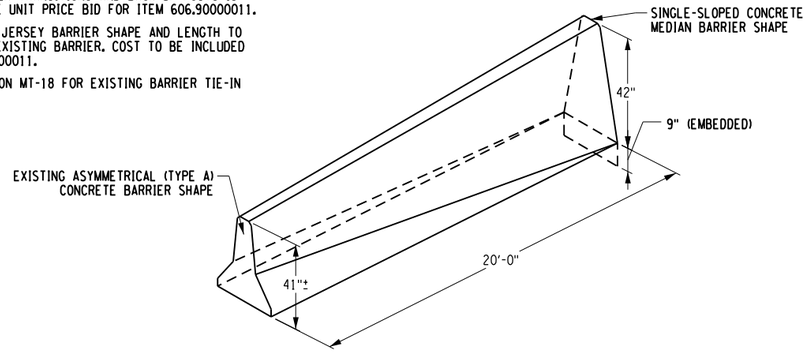
DRAWING NUMBER:
MD-10



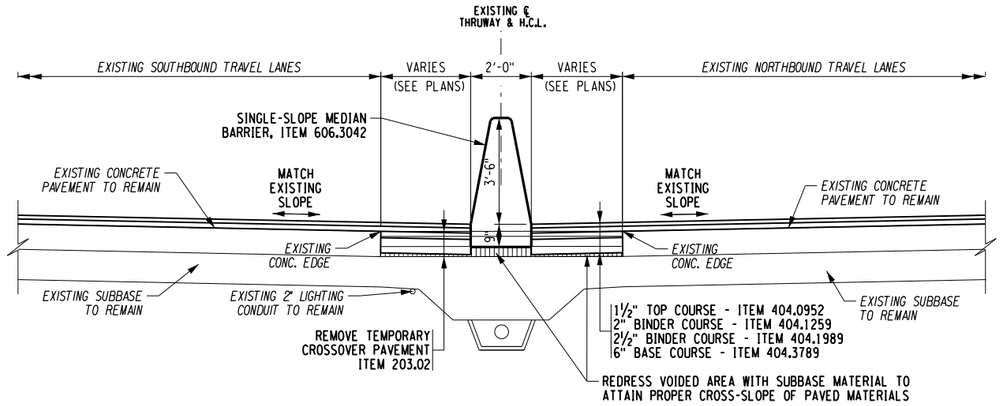
PROPOSED CONCRETE MEDIAN BARRIER
TRANSITION SECTION DETAIL

CONCRETE MEDIAN BARRIER TRANSITION NOTE:

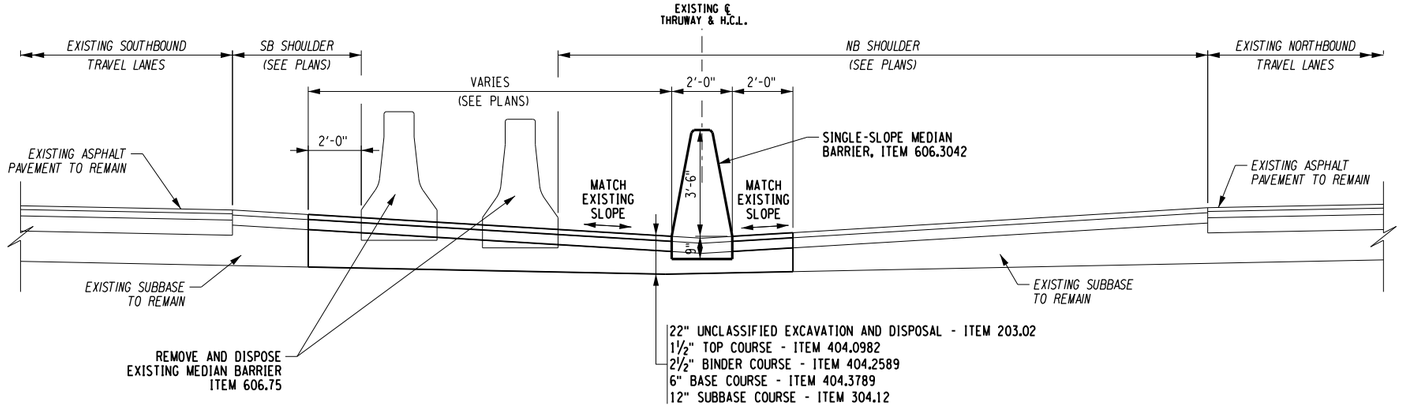
1. THE CONCRETE MEDIAN BARRIER TRANSITION SECTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE SUBSECTIONS OF NYSDOT STANDARD SPECIFICATIONS SECTION 606. THE CONTRACTOR IS REQUIRED TO SUBMIT DETAILED SHOP DRAWINGS FOR ALL TRANSITION BARRIER SECTIONS USED ON THE PROJECT. THE COST OF BOTH TYPES OF BARRIER TRANSITIONS AND BACK-UP POSTS IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 606.90000011.
2. MATCH EXISTING JERSEY BARRIER SHAPE AND LENGTH TO MEET JOINT IN EXISTING BARRIER. COST TO BE INCLUDED IN ITEM 606.90000011.
3. REFER TO DWG. ON MT-18 FOR EXISTING BARRIER TIE-IN LOCATIONS.



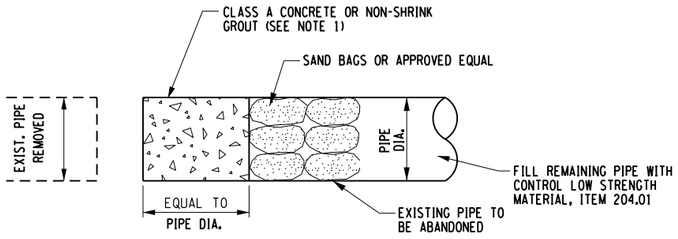
42" CONCRETE MEDIAN BARRIER TRANSITION TO
41"± EXISTING CONCRETE MEDIAN BARRIER
N.T.S.



TYPICAL MEDIAN BARRIER
INSTALLATION REPLACEMENT DETAIL
N.T.S.

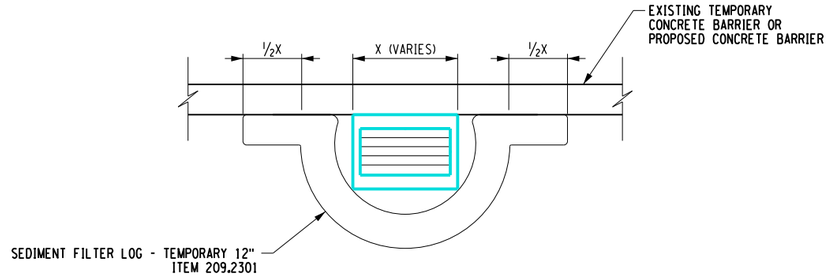


REPLACEMENT MEDIAN BARRIER DETAIL
STA. ML 24+38 TO STA. ML 37+19
N.T.S.



NOTE 1:
THE COST FOR STORM PIPE PLUGGING SHALL BE INCLUDED IN THE COST OF THE VARIOUS DRAINAGE ITEMS.

STORM PIPE PLUG DETAIL
N.T.S.



DRAINAGE STRUCTURE INLET
PROTECTION - TEMPORARY
(SEDIMENT FILTER LOG VARIATION)
ITEM 209.2301
N.T.S.

CHECKED BY:
DRAFTED BY:
DESIGNED BY:
DESIGN SUPERVISOR:

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMAN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

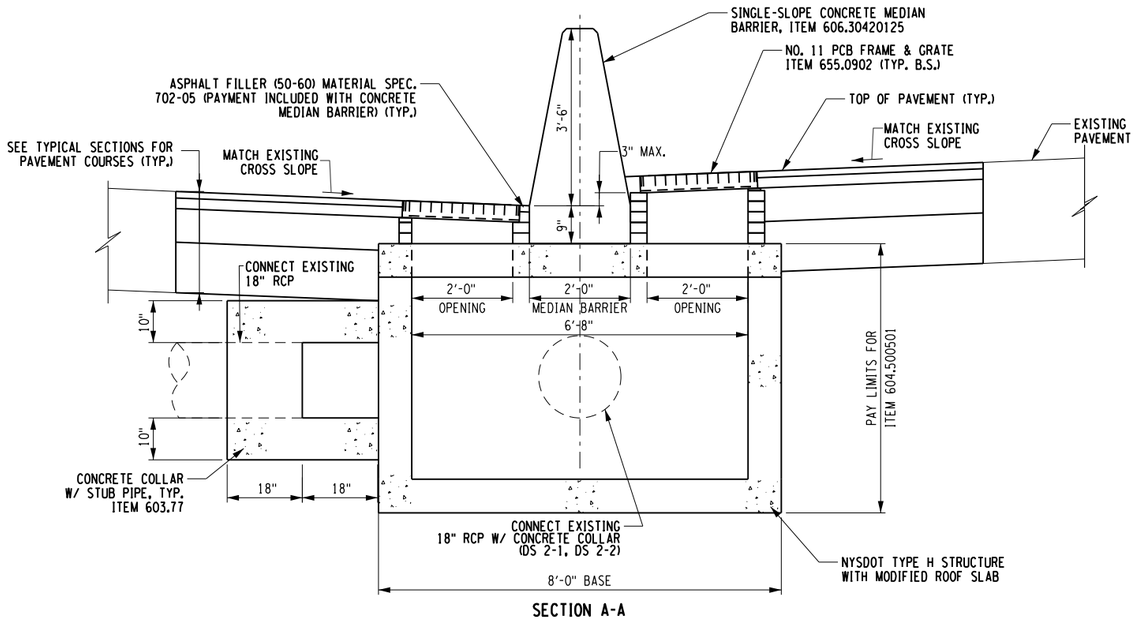
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

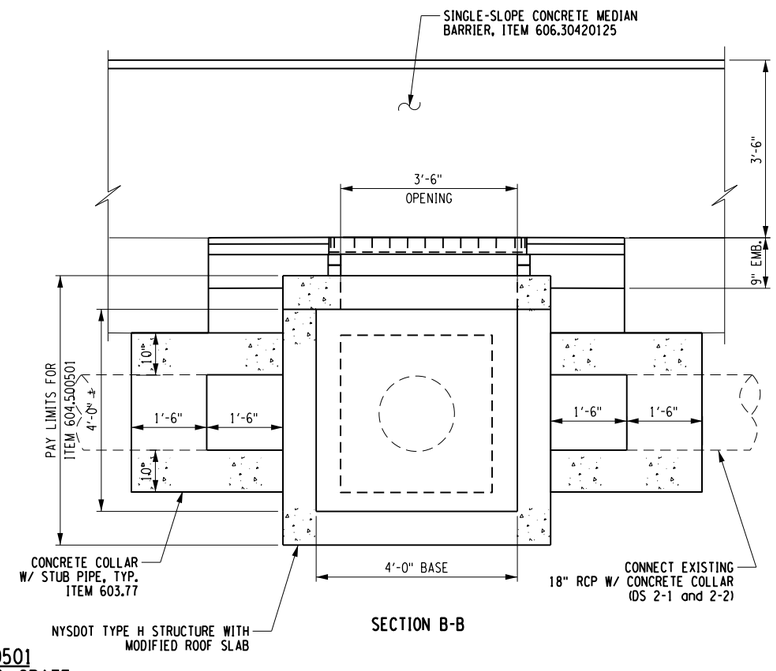
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	MISCELLANEOUS DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	MD-11

CHECKED BY:
DRAFTED BY:
DESIGNED BY:
DESIGN SUPERVISOR:



SECTION A-A

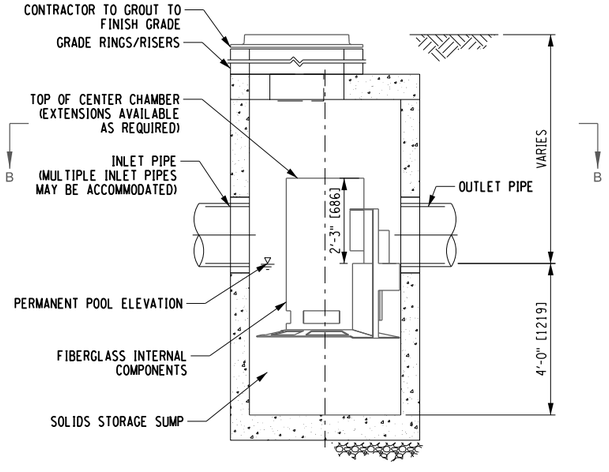


SECTION B-B

SPECIAL DRAINAGE STRUCTURE - ITEM 604.500501
NYSDOT TYPE H WITH DOUBLE NO. 11 PCB FRAME & GRATE

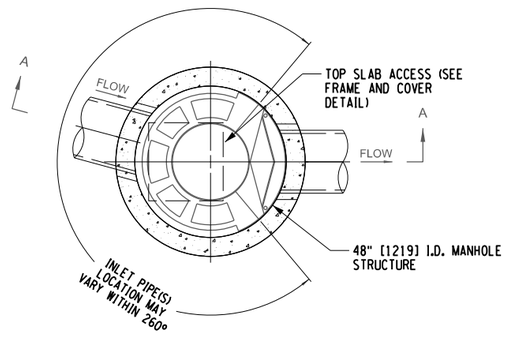
(APPLIES TO DS 2-1 AND DS 2-2)

N.T.S.



ELEVATION VIEW A-A

N.T.S.



PLAN VIEW B-B

N.T.S.



FRAME AND COVER

N.T.S.

CS-4 W/ GRATED INLET CASCADE SEPARATOR STANDARD DETAIL
ITEM 208.5201

N.T.S.

NOTES:

1. THE COST OF TRENCH AND CULVERT EXCAVATION AND SELECT BACKFILL SHALL BE INCLUDED IN THE COST OF ITEM 208.5201.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacalibre.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	MISCELLANEOUS DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	MD-12

TABLE OF PROPOSED DELINEATORS

STA. TO STA.		SIDE	SPACING (FT)	ITEM 646.0603--25 (EA)		ITEM 646.0610--25 (EA)		ITEM 646.0612--25 (EA)
				WHITE	YELLOW	WHITE	YELLOW	YELLOW
INTERCHANGE 1								
STA. A 9+81	STA. A 16+19	RT	50	13				
STA. A 9+81	STA. A 12+00	LT	50		5			
STA. A 12+00	STA. A 14+04	LT	50					5
STA. B 1+00	STA. B 6+11	RT	50	10				
STA. B 3+62	STA. B 6+11	RT	50		6			
STA. C 1+50	STA. C 10+76	RT	50	18				
STA. C 2+00	STA. C 9+50	LT	50		15			
STA. C1 1+00	STA. C1 3+22	LT	50					5
STA. D 1+23	STA. D 9+10	RT	50	16				
STA. D 2+45	STA. D 9+00	LT	50		14			
STA. D1 1+75	STA. D1 3+20	LT	50					4
INTERCHANGE 2								
STA. E 1+00	STA. E 7+60	RT	50	14				
STA. E 1+00	STA. E 6+30	LT	50		12			
STA. F 1+20	STA. F 6+00	RT	50	9				
STA. F 2+20	STA. F 5+00	LT	50		7			
STA. G 1+55	STA. G 10+50	RT	100	10				
STA. G 3+50	STA. G 10+50	LT	100		8			
STA. H 2+20	STA. H 11+15	RT	100	10				
STA. H 2+20	STA. H 10+25	LT	100		9			
INTERCHANGE 3								
STA. J 1+90	STA. J 11+15	RT	50	18				
STA. J 3+40	STA. J 11+15	LT	50		17			
STA. K 1+00	STA. K 7+50	RT	100	6				
STA. K 1+00	STA. K 5+70	LT	100		6			
INTERCHANGE 4								
STA. L 1+00	STA. L 3+30	RT	50	5				
STA. L 1+50	STA. L 2+30	LT	50		3			
STA. L1 2+00	STA. L1 6+95	RT	50	11				
STA. L1 2+00	STA. L1 6+95	MED	50					11
STA. L1 2+00	STA. L1 6+95	LT	50	9				
STA. M 1+50	STA. M 3+74	RT	50	5				
STA. M 2+40	STA. M 3+74	LT	50		3			
STA. N 1+50	STA. N 6+30	RT	50	9				
STA. N 2+90	STA. N 6+30	LT	50		7			
STA. O1 1+90	STA. O1 5+11	RT	50	7				
STA. O1 1+90	STA. O1 5+11	MED	50					8
STA. O1 1+90	STA. O1 5+11	LT	50	6				
STA. O 1+00	STA. O 5+60	RT	50	10				
STA. O 1+00	STA. O 4+60	LT	50		7			

TABLE OF PROPOSED DELINEATORS

STA. TO STA.		SIDE	SPACING (FT)	ITEM 646.0603--25 (EA)		ITEM 646.0610--25 (EA)		ITEM 646.0612--25 (EA)
				WHITE	YELLOW	WHITE	YELLOW	YELLOW
INTERCHANGE 5								
STA. P 1+00	STA. P 6+98	RT	50	11				
STA. P 2+70	STA. P 5+35	LT	50		7			
STA. P 5+80	STA. P 6+98	MED	50					3
STA. Q1 1+90	STA. Q1 3+11	RT	50	3				
STA. Q1 1+90	STA. Q1 3+11	MED	50					3
STA. Q1 1+90	STA. Q1 3+11	LT	50	3				
STA. Q 1+00	STA. Q 7+80	RT	50	14				
STA. Q 3+00	STA. Q 6+85	LT	50		9			
STA. R 1+30	STA. R 7+85	RT	50	14				
STA. R 3+00	STA. R 7+00	LT	50		9			
STA. R 1+40	STA. R 2+66	MED	50					3
STA. R1 1+50	STA. R1 2+80	RT	50	4				
STA. R1 1+80	STA. R1 2+80	MED	50					3
STA. R1 1+25	STA. R1 2+50	LT	50	4				
STA. S 1+50	STA. S 7+87	RT	50	12				
STA. S 3+00	STA. S 6+70	LT	50		8			
MAINLINE								
STA. ML 24+00	STA. ML 32+80	RT	100	9				
STA. ML 37+82	STA. ML 83+89	MED	264					18
STA. ML 40+30	STA. ML 51+29	NB	100	10				
STA. ML 39+75	STA. ML 46+75	SB	100	6				
STA. ML 46+75	STA. ML 60+00	SB	132	8				
STA. ML 51+29	STA. ML 70+00	NB	132	11		1		
STA. ML 60+00	STA. ML 70+36	SB	100	8				
STA. ML 70+36	STA. ML 78+15	SB	132	4				
STA. ML 70+00	STA. ML 77+50	NB	100	6				
STA. ML 77+50	STA. ML 98+50	NB	132	8		2		
STA. ML 78+15	STA. ML 83+10	SB	100	4				
STA. ML 83+10	STA. ML 126+00	SB	132	16		10		
STA. ML 83+89	STA. ML 87+91	MED	264				2	
STA. ML 87+91	STA. ML 97+61	MED	264					4
STA. ML 97+61	STA. ML 108+87	MED	264				8	
STA. ML 98+50	STA. ML 107+15	NB	100			8		
STA. ML 107+15	STA. ML 130+50	NB	132	10		3		
STA. ML 108+87	STA. ML 118+26	MED	264					4
STA. ML 118+26	STA. ML 123+33	MED	264				4	
STA. ML 123+33	STA. ML 131+08	MED	264					3
STA. ML 130+50	STA. ML 139+00	NB	100	6		2		
STA. ML 126+00	STA. ML 131+00	SB	100	4				
STA. ML 131+08	STA. ML 133+50	MED	264				2	
STA. ML 131+00	STA. ML 156+00	SB	132	10		5		
STA. ML 133+50	STA. ML 140+69	MED	264					2
STA. ML 139+00	STA. ML 165+00	NB	132	8		7		
STA. ML 140+69	STA. ML 143+36	MED	264				2	
STA. ML 143+36	STA. ML 154+75	MED	264					4
STA. ML 152+35	STA. ML 154+75	MED	264				2	
STA. ML 154+75	STA. ML 157+74	MED	264					1
STA. ML 156+00	STA. ML 164+45	SB	100	1		6		
STA. ML 157+74	STA. ML 164+50	MED	264				4	
STA. ML 165+00	STA. ML 170+85	NB	100	3		2		
STA. ML 164+45	STA. ML 167+65	SB	132	2				
STA. ML 164+50	STA. ML 167+94	MED	264					2

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-1

TABLE OF PROPOSED DELINEATORS

STA. TO STA.		SIDE	SPACING (FT)	ITEM 646.0603--25 (EA)		ITEM 646.0610--25 (EA)		ITEM 646.0612--25 (EA)
				WHITE	YELLOW	WHITE	YELLOW	YELLOW
MAINLINE (CONTINUED)								
STA. ML 167+65	STA. ML 174+50	SB	100	4		2		
STA. ML 167+94	STA. ML 170+60	MED	264				2	
STA. ML 170+60	STA. ML 176+87	MED	264					2
STA. ML 170+85	STA. ML 176+70	NB	132	2				
STA. ML 174+50	STA. ML 205+00	SB	132	14		3		
STA. ML 176+87	STA. ML 180+08	MED	264				2	
STA. ML 176+70	STA. ML 186+00	NB	100	6		1		
STA. ML 180+08	STA. ML 186+16	MED	264					3
STA. ML 186+16	STA. ML 188+54	MED	264				2	
STA. ML 186+00	STA. ML 199+00	NB	132	4		3		
STA. ML 188+54	STA. ML 194+55	MED	264					2
STA. ML 194+55	STA. ML 198+53	MED	264				2	
STA. ML 198+53	STA. ML 202+09	MED	264					2
STA. ML 199+00	STA. ML 205+00	NB	100			5		
STA. ML 202+09	STA. ML 204+73	MED	264				2	
STA. ML 204+73	STA. ML 226+80	MED	264					9
STA. ML 205+00	STA. ML 211+60	SB	100	5				
STA. ML 205+00	STA. ML 212+60	NB	132	3				
STA. ML 211+60	STA. ML 220+50	SB	132	5				
STA. ML 212+60	STA. ML 220+60	NB	100	7				
STA. ML 220+60	STA. ML 227+25	NB	132	3		2		
STA. ML 220+50	STA. ML 225+00	SB	100	3		1		
STA. ML 225+00	STA. ML 226+25	SB	132	2				
TOTAL				443	152	63	34	101

SNOWPLOW MARKER TABLE

LOCATION (STATION)	LOCATION (M.P.)	SIDE	ITEM 646.0801--25 INSTALL SNOWPLOW MARKER, SINGLE UNIT (EA)	ITEM 646.0802--25 INSTALL SNOWPLOW MARKER, DOUBLE UNIT (EA)
INTERCHANGE 2				
H 9+25	-	RT		2
INTERCHANGE 3				
J 3+26	-	LT		2
J 4+90		RT	1	
J 9+87	-	LT	1	
K 3+10	-	RT		2
INTERCHANGE 4				
L1 5+00	-	LT	1	
L1 3+75	-	RT		2
N 2+00	-	RT	1	
01 2+40	-	RT		2
INTERCHANGE 5				
P 2+83	-	RT	1	
P 5+21	-	RT		2
P 6+73	-	RT	1	
Q 1+26	-	RT		2
Q 4+59	-	RT	1	
MAINLINE				
ML 53+20	900.94	RT		2
ML 59+65	901.10	RT	1	
ML 76+40	901.38	RT		2

SNOWPLOW MARKER TABLE (CONTINUED)

LOCATION (STATION)	LOCATION (M.P.)	SIDE	ITEM 646.0801--25 INSTALL SNOWPLOW MARKER, SINGLE UNIT (EA)	ITEM 646.0802--25 INSTALL SNOWPLOW MARKER, DOUBLE UNIT (EA)
MAINLINE				
ML 77+50	901.40	RT	1	
ML 81+60	901.49	RT		2
ML 91+65	901.67	RT	1	
ML 128+34	902.37	RT	1	
ML 172+65	903.21	RT		2
ML 174+38	903.24	RT	1	
ML 213+65	903.98	RT		2
ML 53+87	900.96	LT	1	
ML 55+20	900.99	LT		2
ML 59+43	901.07	LT	1	
ML 63+59	901.16	LT		2
ML 74+92	901.38	LT	1	
ML 76+63	901.42	LT		2
ML 78+80	901.46	LT	1	
ML 80+00	901.48	LT		2
ML 83+22	901.54	LT	1	
ML 124+54	902.29	LT		2
ML 136+77	902.53	LT		2
ML 138+78	902.57	LT	1	
ML 211+00	903.94	LT		2
TOTAL			18	38

TABLE OF PROPOSED MILE MARKERS

STA. TO STA.		SIDE	SPACING (FT)	MILEPOST	ITEM 646.0626--25 (EA)	ITEM 646.0603--25 (EA)	ITEM 646.0610--25 (EA)
					MILE MARKERS	TENTH MILE MARKERS	
MAINLINE SOUTHBOUND							
STA. SB 40+86	STA. SB 50+52	LT	528	900.7 TO 900.9		3	
STA. SB 56+05		LT		901.0	1		
STA. SB 60+22	STA. SB 102+12	LT	528	901.1 TO 901.9		6	3
STA. SB 107+58		LT		902.0	1		
STA. SB 113+01	STA. SB 156+33	LT	528	902.1 TO 902.9		8	1
STA. SB 161+73		LT		903.0	1		
STA. SB 167+81	STA. SB 209+22	LT	528	903.1 TO 903.9		7	2
STA. SB 214+26		LT		904.0	1		
STA. SB 219+69		LT		904.1		1	
STA. SB 225+05		LT		904.2		1	
MAINLINE NORTHBOUND							
STA. NB 40+55	STA. NB 51+26	RT	528	900.7 TO 900.9		3	
STA. NB 56+10		RT		901.0	1		
STA. NB 61+28	STA. NB 104+05	RT	528	901.1 TO 901.9		7	2
STA. NB 109+04		RT		902.0	1		
STA. NB 113+69	STA. NB 156+45	RT	528	902.1 TO 902.9		9	
STA. NB 161+69		RT		903.0	1		
STA. NB 167+00	STA. NB 210+16	RT	528	903.1 TO 903.9		6	3
STA. NB 214+64		RT		904.0	1		
STA. NB 219+96		RT		904.1		1	
STA. NB 224+29		RT		904.2		1	
				TOTAL	8	53	11

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
50 Main Street, Suite 1600
Buffalo, NY 14202-3722
716.853.3500 · www.chacbe.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-2

REMOVAL & DISPOSAL OF DELINEATORS AND MARKERS ITEM 646.50----25

STA. TO STA.		SIDE	DESCRIPTION	QUANTITY (EA)
INTERCHANGE 1				
STA. A 1+00	STA. A 16+19	RT	DELINEATOR	20
STA. A 9+81	STA. A 13+55	LT	DELINEATOR	5
STA. B 1+00	STA. B 6+11	RT	DELINEATOR	8
STA. B 3+62	STA. B 6+11	LT	DELINEATOR	4
STA. C 1+50	STA. C 10+76	RT	DELINEATOR	18
STA. C 2+00	STA. C 9+50	LT	DELINEATOR	15
STA. C1 1+00	STA. C1 3+22	LT	DELINEATOR	5
STA. D 1+23	STA. D 9+10	RT	DELINEATOR	16
STA. D 2+45	STA. D 9+00	LT	DELINEATOR	14
STA. D1 1+75	STA. D1 3+20	LT	DELINEATOR	4
INTERCHANGE 2				
STA. E 1+00	STA. E 7+60	RT	DELINEATOR	14
STA. E 1+00	STA. E 6+30	LT	DELINEATOR	12
STA. F 1+20	STA. F 6+00	RT	DELINEATOR	9
STA. F 2+20	STA. F 5+00	LT	DELINEATOR	7
STA. G 1+55	STA. G 10+50	RT	DELINEATOR	10
STA. G 3+50	STA. G 10+50	LT	DELINEATOR	8
STA. H 2+20	STA. H 11+15	RT	DELINEATOR	10
STA. H 2+20	STA. H 10+25	LT	DELINEATOR	9
INTERCHANGE 3				
STA. J 1+90	STA. J 11+15	RT	DELINEATOR	19
STA. J 3+40	STA. J 11+15	LT	DELINEATOR	17
STA. K 1+00	STA. K 7+50	RT	DELINEATOR	7
STA. K 1+00	STA. K 5+70	LT	DELINEATOR	6
INTERCHANGE 4				
STA. L 1+00	STA. L 3+30	RT	DELINEATOR	5
STA. L 1+50	STA. L 2+30	LT	DELINEATOR	3
STA. L1 2+00	STA. L1 6+95	RT	DELINEATOR	11
STA. L1 2+00	STA. L1 6+95	MED	DELINEATOR	11
STA. L1 2+00	STA. L1 6+95	LT	DELINEATOR	9
STA. M 1+50	STA. M 3+74	RT	DELINEATOR	5
STA. M 2+40	STA. M 3+74	LT	DELINEATOR	3
STA. N 1+50	STA. N 6+30	RT	DELINEATOR	10
STA. N 2+90	STA. N 6+30	LT	DELINEATOR	7
STA. O1 1+90	STA. O1 5+11	RT	DELINEATOR	7
STA. O1 1+90	STA. O1 5+11	MED	DELINEATOR	8
STA. O1 1+90	STA. O1 5+11	LT	DELINEATOR	6
STA. O 1+00	STA. O 5+60	RT	DELINEATOR	10
STA. O 1+00	STA. O 4+60	LT	DELINEATOR	7

REMOVAL & DISPOSAL OF DELINEATORS AND MARKERS ITEM 646.50----25

STA. TO STA.		SIDE	DESCRIPTION	QUANTITY (EA)
INTERCHANGE 5				
STA. P 1+00	STA. P 6+98	RT	DELINEATOR	11
STA. P 2+70	STA. P 5+35	LT	DELINEATOR	7
STA. P 5+80	STA. P 6+98	MED	DELINEATOR	3
STA. Q1 1+90	STA. Q1 3+11	RT	DELINEATOR	3
STA. Q1 1+90	STA. Q1 3+11	MED	DELINEATOR	3
STA. Q1 1+90	STA. Q1 3+11	LT	DELINEATOR	3
STA. Q 1+00	STA. Q 7+80	RT	DELINEATOR	14
STA. Q 3+00	STA. Q 6+85	LT	DELINEATOR	9
STA. R 1+30	STA. R 7+85	RT	DELINEATOR	14
STA. R 3+00	STA. R 7+00	LT	DELINEATOR	9
STA. R 1+40	STA. R 2+66	MED	DELINEATOR	3
STA. R1 1+50	STA. R1 2+80	RT	DELINEATOR	4
STA. R1 1+80	STA. R1 2+80	MED	DELINEATOR	3
STA. R1 1+25	STA. R1 2+50	LT	DELINEATOR	4
STA. S 1+50	STA. S 7+87	RT	DELINEATOR	13
STA. S 3+00	STA. S 6+70	LT	DELINEATOR	8
MAINLINE				
STA. ML 37+82	STA. ML 83+89	MED	DELINEATOR	18
STA. ML 40+30	STA. ML 51+29	NB	DELINEATOR	12
STA. ML 39+75	STA. ML 46+75	SB	DELINEATOR	8
STA. ML 46+75	STA. ML 60+00	SB	DELINEATOR	10
STA. ML 51+29	STA. ML 70+00	NB	DELINEATOR	15
STA. ML 60+00	STA. ML 70+36	SB	DELINEATOR	10
STA. ML 70+36	STA. ML 78+15	SB	DELINEATOR	5
STA. ML 70+00	STA. ML 77+50	NB	DELINEATOR	8
STA. ML 77+50	STA. ML 98+50	NB	DELINEATOR	13
STA. ML 78+15	STA. ML 83+10	SB	DELINEATOR	5
STA. ML 83+10	STA. ML 126+00	SB	DELINEATOR	32
STA. ML 83+89	STA. ML 87+91	MED	DELINEATOR	2
STA. ML 87+91	STA. ML 97+61	MED	DELINEATOR	4
STA. ML 97+61	STA. ML 108+87	MED	DELINEATOR	8
STA. ML 98+50	STA. ML 107+15	NB	DELINEATOR	9
STA. ML 107+15	STA. ML 130+50	NB	DELINEATOR	16
STA. ML 108+87	STA. ML 118+26	MED	DELINEATOR	4
STA. ML 118+26	STA. ML 123+33	MED	DELINEATOR	4
STA. ML 123+33	STA. ML 131+08	MED	DELINEATOR	3
STA. ML 130+50	STA. ML 139+00	NB	DELINEATOR	9
STA. ML 126+00	STA. ML 131+00	SB	DELINEATOR	5
STA. ML 131+08	STA. ML 133+50	MED	DELINEATOR	2
STA. ML 131+00	STA. ML 156+00	SB	DELINEATOR	19
STA. ML 133+50	STA. ML 140+69	MED	DELINEATOR	2
STA. ML 139+00	STA. ML 165+00	NB	DELINEATOR	19
STA. ML 140+69	STA. ML 143+36	MED	DELINEATOR	2
STA. ML 143+36	STA. ML 154+75	MED	DELINEATOR	4
STA. ML 152+35	STA. ML 154+75	MED	DELINEATOR	2
STA. ML 154+75	STA. ML 157+74	MED	DELINEATOR	1
STA. ML 156+00	STA. ML 164+45	SB	DELINEATOR	8
STA. ML 157+74	STA. ML 164+50	MED	DELINEATOR	4

REMOVAL & DISPOSAL OF DELINEATORS AND MARKERS ITEM 646.50----25

STA. TO STA.		SIDE	DESCRIPTION	QUANTITY (EA)
MAINLINE (CONTINUED)				
STA. ML 165+00	STA. ML 170+85	NB	DELINEATOR	6
STA. ML 164+45	STA. ML 167+65	SB	DELINEATOR	2
STA. ML 164+50	STA. ML 167+94	MED	DELINEATOR	2
STA. ML 167+65	STA. ML 174+50	SB	DELINEATOR	7
STA. ML 167+94	STA. ML 170+60	MED	DELINEATOR	2
STA. ML 170+60	STA. ML 176+87	MED	DELINEATOR	2
STA. ML 170+85	STA. ML 176+70	NB	DELINEATOR	3
STA. ML 174+50	STA. ML 205+00	SB	DELINEATOR	23
STA. ML 176+87	STA. ML 180+08	MED	DELINEATOR	2
STA. ML 176+70	STA. ML 186+00	NB	DELINEATOR	9
STA. ML 180+08	STA. ML 186+16	MED	DELINEATOR	3
STA. ML 186+16	STA. ML 188+54	MED	DELINEATOR	2
STA. ML 186+00	STA. ML 199+00	NB	DELINEATOR	10
STA. ML 188+54	STA. ML 194+55	MED	DELINEATOR	2
STA. ML 194+55	STA. ML 198+53	MED	DELINEATOR	2
STA. ML 198+53	STA. ML 202+09	MED	DELINEATOR	2
STA. ML 199+00	STA. ML 205+00	NB	DELINEATOR	6
STA. ML 202+09	STA. ML 204+73	MED	DELINEATOR	2
STA. ML 204+73	STA. ML 226+80	MED	DELINEATOR	9
STA. ML 205+00	STA. ML 211+60	SB	DELINEATOR	6
STA. ML 205+00	STA. ML 212+60	NB	DELINEATOR	4
STA. ML 211+60	STA. ML 220+50	SB	DELINEATOR	5
STA. ML 212+60	STA. ML 220+60	NB	DELINEATOR	8
STA. ML 220+60	STA. ML 227+25	NB	DELINEATOR	6
STA. ML 220+50	STA. ML 225+00	SB	DELINEATOR	5
STA. ML 225+00	STA. ML 226+25	SB	DELINEATOR	2
MILE MARKERS 901, 902, 903, 904		-	MILE MARKER	8
SNOW PLOW MARKER AT G.R. REMOVALS		-	SNOW PLOW MARKER	40
TOTAL				893

PROPOSED CURB TABLE

LOCATION BEGIN	LOCATION END	SIDE	ITEM 609.0401 (LF)	ITEM 609.0405 (LF)
ML 83+70	ML 85+05	NB		135
ML 107+94	ML 110+65	NB		271
ML 119+42	ML 119+98	NB		56
ML 131+12	ML 131+47	NB	35	
ML 132+96	ML 133+63	NB	67	
ML 140+31	ML 141+15	NB	64	20
ML 142+75	ML 143+53	NB	58	20
ML 150+50	ML 152+75	NB	61	164
ML 154+29	ML 155+90	NB		161
ML 164+36	ML 166+20	NB	11	173
ML 166+20	ML 167+17	NB		97
ML 167+17	ML 168+48	NB	131	
ML 170+35	ML 171+20	NB	20	65
ML 176+00	ML 177+22	NB	102	20
ML 179+20	ML 179+60	NB	40	
ML 186+38	ML 186+50	NB	12	
ML 188+09	ML 190+40	NB	38	193
ML 194+83	ML 195+30	NB	27	20
ML 204+23	ML 205+67	NB	42	102
ML 83+75	ML 84+05	SB	30	
ML 86+66	ML 87+00	SB	34	
ML 108+78	ML 118+26	SB		948
ML 131+10	ML 131+75	SB	65	
ML 133+17	ML 133+70	SB	53	
ML 140+25	ML 141+28	SB	41	62
ML 142+98	ML 143+97	SB	48	51
ML 150+50	ML 152+75	SB	30	195
ML 164+36	ML 164+50	SB		14
ML 168+00	ML 168+25	SB		25
ML 169+75	ML 171+57	SB	20	162
ML 177+80	ML 178+38	SB	20	38
ML 179+75	ML 180+34	SB	20	39
ML 186+05	ML 186+56	SB	26	25
ML 188+12	ML 190+40	SB	27	201
ML 194+36	ML 194+87	SB	20	31
ML 197+07	ML 197+61	SB	20	34
ML 200+50	ML 202+67	SB	27	190
ML 204+38	ML 206+60	SB	22	200
TOTAL			1211	3712

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-3

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

PAVEMENT ELEVATION TRANSITION TABLE

START STA.	END STA.	LENGTH (FT)	NOTES
ML 41+75	ML 43+60	185	
ML 56+29	ML 58+04	175	
ML 61+04	ML 62+79	175	
ML 95+75	ML 97+84	209	SB MAINLINE
ML 95+75	ML 97+52	177	NB MAINLINE
ML 107+94	ML 110+65	271	NB MAINLINE
ML 108+78	ML 110+65	187	SB MAINLINE
ML 155+90	ML 157+86	196	SB MAINLINE
ML 155+90	ML 157+75	185	NB MAINLINE
ML 164+50	ML 166+20	170	
ML 217+95	ML 219+70	175	
E 4+25	E 6+00	175	RAMP E
F 2+50	F 4+25	175	RAMP F
G 3+75	G 5+50	175	RAMP G
J 3+50	J 5+25	175	RAMP J
K 4+25	K 6+00	175	RAMP K
M 2+50	L1 6+44	175	RAMP M
N 3+00	N 4+75	175	RAMP N
O 3+00	O 4+75	175	RAMP O
P 2+75	P 4+50	175	RAMP P
Q 5+25	Q 7+00	175	RAMP Q
R 5+50	R 7+25	175	RAMP R

VERTICAL CURB TO MOUNTABLE CURB TRANSITION TABLE

BEGIN	END	SIDE
ML 84+15	ML 84+35	NB
ML 140+31	ML 140+51	NB
ML 143+33	ML 143+53	NB
ML 143+36	ML 143+46	SB
ML 140+67	ML 140+87	SB
ML 151+94	ML 152+14	NB
ML 152+25	ML 152+45	SB
ML 164+47	ML 164+67	NB
ML 166+97	ML 167+17	NB
ML 171+37	ML 171+57	SB
ML 180+14	ML 180+34	SB
ML 177+80	ML 178+00	SB
ML 188+47	ML 188+67	NB
ML 188+39	ML 188+59	SB
ML 186+05	ML 186+25	SB
ML 194+83	ML 195+03	NB
ML 197+41	ML 197+61	SB
ML 195+09	ML 195+29	SB
ML 205+47	ML 205+67	NB
ML 204+60	ML 204+80	SB
ML 202+20	ML 202+40	SB

NOTE:

1. VERTICAL FACE CURB TO MOUNTABLE CURB TRANSITIONS SHALL BE PAID FOR UNDER ITEM 609.0405 AS SHOWN ON THE TRANSITION DETAIL ON MD-4.

SHOULDER PAVEMENT CROSS SLOPE TRANSITION TABLE

FEATURE		START STATION	END STATION	TRANSITION (FT)
CLINTON STREET BRIDGE	NB APPROACH	ML 84+14	ML 85+04	90
	NB TRAILING	ML 87+74	ML 88+64	90
	SB APPROACH	ML 86+66	ML 87+47	81
	SB TRAILING	ML 83+54	ML 84+05	51
SENECA STREET BRIDGE	NB APPROACH	ML 119+42	ML 119+98	56
	NB TRAILING	ML 123+15	ML 123+69	54
	SB APPROACH	ML 121+43	ML 121+83	40
	SB TRAILING	ML 118+67	ML 119+35	68
MILTON STREET BRIDGE	NB APPROACH	ML 130+17	ML 131+00	83
	NB TRAILING	ML 133+75	ML 134+63	88
	SB APPROACH	ML 133+17	ML 133+85	68
	SB TRAILING	ML 131+03	ML 131+74	71
BABCOCK STREET BRIDGE	NB APPROACH	ML 140+31	ML 141+15	84
	NB TRAILING	ML 142+75	ML 143+53	78
	SB APPROACH	ML 142+98	ML 143+46	48
	SB TRAILING	ML 140+67	ML 141+28	61
PEABODY STREET BRIDGE	NB APPROACH	ML 151+94	ML 152+75	81
	NB TRAILING	ML 154+29	ML 154+95	66
	SB APPROACH	NO TRANSITION BETWEEN BRIDGES		
	SB TRAILING	ML 152+25	ML 152+75	50
SMITH STREET BRIDGE	NB APPROACH	ML 167+17	ML 167+75	58
	NB TRAILING	ML 170+66	N 2+15	78
	SB APPROACH	ML 171+00	ML 171+57	57
	SB TRAILING	M 1+66	ML 168+05	66
ABANDONED RR BRIDGE	NB APPROACH	O 5+42	ML 176+75	58
	NB TRAILING	ML 180+00	ML 180+86	86
	SB APPROACH	ML 179+75	ML 180+34	59
	SB TRAILING	ML 177+80	ML 178+38	58
VAN RENSSELAER STREET BRIDGE	NB APPROACH	ML 185+96	ML 186+50	54
	NB TRAILING	ML 188+09	ML 188+67	58
	SB APPROACH	ML 188+12	ML 188+59	47
	SB TRAILING	ML 186+05	ML 186+56	51
CSX RR BRIDGE	NB APPROACH	ML 194+83	ML 195+30	47
	NB TRAILING	NO TRANSITION BETWEEN BRIDGES		
	SB APPROACH	ML 197+07	ML 197+61	54
	SB TRAILING	ML 195+09	ML 195+48	39
HAMBURG STREET BRIDGE	NB APPROACH	NO TRANSITION BETWEEN BRIDGES		
	NB TRAILING	ML 204+95	P 1+62	62
	SB APPROACH	ML 204+38	ML 204+80	42
	SB TRAILING	ML 202+20	ML 202+67	47

ITEM 621.51050003 - GRADING MAINTENANCE, CLEANING, TRIMMING & RESHAPING EXISTING ROADSIDE SECTION

RAMP STATION FROM	RAMP STATION TO	LENGTH (LF)	SIDE	TOTAL LENGTH (LF)
A 14+00	A 16+11	211	RT	211
B 1+01	B 6+12	511	RT	511
C 1+43	C 10+00	857	LT & RT	1714
D 1+86	D 9+42	756	RT	756
D 1+00	D 5+00	400	LT	400
E 1+00	E 6+86	586	LT & RT	1172
F 2+00	F 5+50	350	LT & RT	700
G 2+17	G 9+17	700	RT	700
G 2+17	G 9+74	757	LT	757
H 2+84	H 10+40	756	LT & RT	1512
J 2+28	J 10+43	815	RT	815
J 3+17	J 10+82	765	LT	765
K 1+54	K 7+39	585	RT	585
K 1+73	K 7+39	566	LT	566
L1 1+50	L1 6+95	545	RT	545
L1 1+15	L1 6+95	580	LT	580
M 1+00	L1 6+95	595	LT	595
N 1+83	N 3+50	167	RT	167
O1 1+76	O1 5+00	324	LT & RT	648
O 1+00	O 6+00	500	LT & RT	1000
P 1+70	P 5+50	380	LT & RT	760
Q 3+00	Q 7+50	450	LT & RT	900
Q1 1+20	Q1 4+90	370	RT	370
R1 2+50	R1 4+35	185	LT & RT	370
R 2+50	R 7+50	500	RT	500
R1 3+00	R1 7+00	400	LT	400
S 3+00	S 7+00	400	LT & RT	800
ML 40+25	ML 83+70	4345	NB	4345
ML 39+00	ML 83+70	4470	SB	4470
ML 87+90	ML 95+75	785	NB	785
ML 87+90	ML 95+75	785	SB	785
ML 95+75	ML 98+17	242	NB	242
ML 95+75	ML 97+45	170	SB	170
ML 121+43	ML 131+11	968	SB	968
ML 123+16	ML 128+00	484	NB	484
ML 133+61	ML 138+40	479	NB	479
ML 133+61	ML 140+29	668	SB	668
ML 165+21	ML 166+83	162	SB	162
ML 172+00	ML 176+80	480	NB	480
ML 220+00	ML 226+80	680	SB	680
ML 212+70	ML 226+80	1410	NB	1410
ML 180+00	ML 186+00	600	NB	600
ML 188+70	ML 194+25	555	NB	555
		TOTAL LENGTH		36082

ITEM 621.05 - CLEAN, GRADE, AND SHAPE EXISTING ROADSIDE SECTION

BEGIN STA.	END STA.	LENGTH (LF)
ML 84+00	F 4+75	800

PREFORMED INDUCTANCE LOOP DETECTOR ITEM 680.5840--25

LOOP NAME	LOCATION (STA.)	SIDE	QUANTITY (EA)
TDS-139	ML 58+75	SB	6
TDS-140	ML 58+85	NB	6
TDS-141	ML 113+63	NB	6
TDS-142	ML 123+50	SB	6
TDS-143	ML 144+75	SB	6
TDS-144	ML 164+65	NB	6
TDS-145	ML 175+00	SB	6
TDS-146	ML 186+00	NB	6
TDS-147	ML 220+25	NB	6
TDS-148	ML 225+23	SB	6
		TOTAL	60

1 NPS CONDUIT, FLEXIBLE, LIQUID TIGHT PVC ITEM 680.52080325

LOOP NAME	LOCATION (STA.)	SIDE	LENGTH (LF)
TDS-139	ML 58+75	SB	20
TDS-140	ML 58+85	NB	20
TDS-141	ML 113+63	NB	20
TDS-142	ML 123+50	SB	20
TDS-143	ML 144+75	SB	20
TDS-144	ML 164+65	NB	20
TDS-145	ML 175+00	SB	20
TDS-146	ML 186+00	NB	20
TDS-147	ML 220+25	NB	20
TDS-148	ML 225+23	SB	20
		TOTAL	200

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-4

DRAINAGE TABLE PAGE 1 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 3-1	ML 36+41.51 0.8' RT	REFER TO DS 3-2	-							
DS 3-2	ML 36+41.82 5.1' LT	CLEAN 85 LF OF OUTLET PIPE FROM DS 3-2 TO DS 3-3, ADJUST STRUCTURE TO GRADE AND INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902	-	1.0				85.0		
DS 3-3	ML 36+44.79 86.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 128 LF OF OUTLET PIPE FROM DS 3-3 TO DS 3-4.	-					128.0	1.0	
DS 3-4	ML 37+72.41 72.4' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 72 LF OF OUTLET PIPE FROM DS 3-4 TO DS 3-7.	-					72.0	1.0	
DS 3-5	ML 37+84.43 65.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 60 LF OF OUTLET PIPE FROM DS 3-5 TO DS 3-6.	593.10				1.0	60.0		
DS 3-6	C 9+39.60 33.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 134 LF OF OUTLET PIPE FROM DS 3-6 TO DS 5-3.	-					134.0	1.0	
DS 3-7	D 2+69.00 37.0' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 158 LF OF OUTLET PIPE FROM DS 3-7 TO DS 5-4.	-					158.0	1.0	
DS 4-1	A 12+70.85 20.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE. SEE PROPOSED DRAINAGE INSTALLATION TABLE ON MT-15 FOR PROPOSED WORK.	593.95						1.0	
DS 4-2	A 13+14.91 22.1' RT	SEE PROPOSED DRAINAGE INSTALLATION TABLE ON MT-15 FOR PROPOSED WORK.	594.10							
DS 4-3	C1 10+15.91 14.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 80 LF OF OUTLET PIPE FROM DS 4-3 TO DS 4-4.	-					80.0	1.0	
DS 4-4	C1 10+88.98 15.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 167 LF OF OUTLET PIPE FROM DS 4-4 TO DS 4-6.	-					167.0	1.0	
DS 4-5	C1 10+11.91 39.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 56 LF OF OUTLET PIPE FROM DS 4-5 TO DS 4-3.	-					56.0	1.0	
DS 4-6	C 6+96.40 39.4' RT	CLEAN AND PERFORM VIDEO INSPECTION OF 200 LF OF PIPELINE FROM DS 4-6 TO DS 3-6. SEE PROPOSED DRAINAGE INSTALLATION TABLE ON MT-14 FOR PROPOSED WORK.	593.21					200.0		200.0
DS 4-7	C 4+09.80 24.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 221 LF OF OUTLET PIPE FROM DS 4-7 TO DS 4-6.	-					221.0	1.0	
DS 4-8	ML 39+55.80 317.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 231 LF OF OUTLET PIPE FROM DS 4-8 TO DS 5-3.	-					231.0	1.0	
DS 4-9	C 2+36.38 44.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 162 LF OF OUTLET PIPE FROM DS 4-9 TO DS 4-8.	-					162.0	1.0	
DS 4-10	B 3+50.55 19.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 49 LF OF OUTLET PIPE FROM DS 4-10 TO DS 4-11.	-					49.0	1.0	
DS 4-11	B 2+97.96 19.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 126 LF OF OUTLET PIPE FROM DS 4-11 TO DS 4-12.	-					126.0	1.0	
DS 4-12	D 5+88.92 48.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 241 LF OF OUTLET PIPE FROM DS 4-12 TO DS 3-7.	-					241.0	1.0	
DS 5-1	ML 38+52.12 53.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 83 LF OF OUTLET PIPE FROM DS 5-1 TO DS 3-4.	592.49				1.0	83.0		

DRAINAGE TABLE PAGE 1 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 5-2	ML 38+95.80 48.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 45 LF OF OUTLET PIPE FROM DS 5-2 TO DS 5-1.	591.55				1.0	45.0		
DS 5-3	ML 39+42.31 87.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 96 LF OF OUTLET PIPE FROM DS 5-3 TO DS 5-6.	-					96.0	1.0	
DS 5-4	ML 39+78.13 90.9' lt	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 91 LF OF OUTLET PIPE FROM DS 5-4 TO DS 5-5.	-					91.0	1.0	
DS 5-5	ML 39+82.35 2.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	589.99	1.0		1.0				
DS 5-6	ML 39+82.80 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 95 LF OF OUTLET PIPE FROM DS 5-6 TO DS 5-8.	590.06	1.0				95.0		
DS 5-7	ML 40+47.59 58.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 51 LF OF OUTLET PIPE FROM DS 5-7 TO DS 5-8.	589.67				1.0	51.0		
DS 5-8	ML 40+48.29 6.7' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 42 LF OF OUTLET PIPE FROM DS 5-8 TO DS 5-9.	590.12	1.0				42.0		
DS 5-9	ML 40+59.27 3.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 44 LF OF OUTLET PIPE FROM DS 5-9 TO DS 5-13. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	589.89	1.0		1.0		44.0		
DS 5-10	ML 40+63.77 61.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 57 LF OF OUTLET PIPE FROM DS 5-10 TO DS 5-9.	589.52				1.0	57.0		
DS 5-11	ML 41+05.21 82.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 83 LF OF OUTLET PIPE FROM DS 5-11 TO DS 5-12.	-					83.0	1.0	
DS 5-12	ML 41+03.91 2.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 3 LF OF INLET PIPE FROM DS 5-12 TO DS 5-13.	589.91	1.0				3.0		
DS 5-13	ML 41+04.17 3.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 82 LF OF OUTLET PIPE FROM DS 5-13 TO DS 5-14. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	589.76	1.0		1.0		82.0		
DS 5-14	ML 41+27.54 79.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 5-15	ML 41+86.19 85.0' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 5-16	ML 42+20.17 82.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 5-17	ML 44+13.87 2.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 81 LF OF OUTLET PIPE FROM DS 5-17 TO DS 5-19.	591.76	1.0				81.0		
DS 5-18	ML 44+14.25 3.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	591.55	1.0		1.0				
DS 5-19	ML 44+12.11 80.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 191 LF OF OUTLET PIPE FROM DS 5-19 TO DS 5-16.	-					191.0	1.0	
DS 5-20	ML 44+29.31 90.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 20 LF OF OUTLET PIPE FROM DS 5-20 TO DS 5-19.	-					20.0	1.0	
DS 5-21	ML 44+39.62 80.6' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 252 LF OF OUTLET PIPE FROM DS 5-21 TO DS 5-15.	-					252.0	1.0	
DS 6-1	ML 46+54.50 4.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	592.84	1.0		1.0				
DS 6-2	ML 46+54.89 2.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 84 LF OF OUTLET PIPE FROM DS 6-2 TO DS 6-3	592.82	1.0				84.0		
DS 6-3	ML 46+63.35 82.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 252 LF OF OUTLET PIPE FROM DS 6-3 TO 5-21.	-					252.0	1.0	
DS 6-4	ML 44+39.62 80.6' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 252 LF OF OUTLET PIPE FROM DS 6-4 TO DS 5-21	-					252.0	1.0	

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble@cha.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-5

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DRAINAGE TABLE PAGE 2 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 6-5	ML 49+23.96 84.4'	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 261 LF OF OUTLET PIPE FROM DS 6-5 TO DS 6-3.	-					261.0	1.0	
DS 6-6	ML 49+30.42 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	593.35	1.0						
DS 6-7	ML 49+31.01 3.3' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 66 LF OF OUTLET PIPE FROM DS 6-4 TO DS 6-8. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	593.68	1.0		1.0		66.0		
DS 6-8	ML 49+34.71 69.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 275 LF OF OUTLET PIPE FROM DS 6-8 TO DS 6-4.	-					275.0	1.0	
DS 6-9	ML 51+97.65 2.9' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 75 LF OF OUTLET PIPE FROM DS 6-9 TO DS 6-12.	592.89	1.0				75.0		
DS 6-10	ML 51+99.74 3.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	594.21	1.0		1.0				
DS 6-11	ML 52+01.12 69.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 263 LF OF OUTLET PIPE FROM DS 6-11 TO DS 6-8.	-					263.0	1.0	
DS 6-12	ML 52+02.43 75.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 283 LF OF OUTLET PIPE FROM DS 6-12 TO DS 6-5.	-					283.0	1.0	
DS 7-1	ML 54+37.24 3.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	593.32	1.0		1.0				
DS 7-2	ML 54+37.85 3.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 75 LF OF OUTLET PIPE FROM DS 7-2 TO DS 7-2.	591.60	1.0				75.0		
DS 7-3	ML 54+34.49 66.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 231 LF OF OUTLET PIPE FROM DS 7-3 TO DS 6-11.	-					231.0	1.0	
DS 7-4	ML 54+35.34 77.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 236 LF OF OUTLET PIPE FROM DS 7-4 TO DS 6-12.	-					236.0	1.0	
DS 7-5	ML 56+50.49 74.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 219 LF OF OUTLET PIPE FROM DS 7-5 TO DS 7-4.	-					219.0	1.0	
DS 7-6	ML 56+43.30 67.6' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 206 LF OF OUTLET PIPE FROM DS 7-6 TO DS 7-3.	-					206.0	1.0	
DS 7-7	ML 56+50.59 3.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	592.48	1.0		1.0				
DS 7-8	ML 56+51.17 2.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 75 LF OF OUTLET PIPE FROM DS 7-8 TO DS 7-5.	591.60	1.0				75.0		
DS 7-9	ML 58+66.98 74.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 220 LF OF OUTLET PIPE FROM DS 7-9 TO DS 7-5.	-					220.0	1.0	
DS 7-10	ML 58+77.60 74.0' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 11 LF OF OUTLET PIPE FROM DS 7-10 TO DS 7-9.	-					11.0	1.0	
DS 7-11	ML 58+87.70 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 75 LF OF OUTLET PIPE FROM DS 7-11 TO DS 7-10.	589.06	1.0				75.0		

DRAINAGE TABLE PAGE 2 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 7-12	ML 58+87.71 3.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	591.00	1.0		1.0				
DS 7-13	ML 59+04.98 70.4' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 258 LF OF OUTLET PIPE FROM DS 7-13 TO DS 7-6.						258.0	1.0	
DS 7-14	ML 59+21.32 3.6' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 29 LF OF OUTLET PIPE FROM DS 7-14 TO 7-11.	589.19	1.0				29.0		
DS 7-15	ML 59+36.39 54.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 35 LF OF OUTLET PIPE FROM DS 7-8 TO DS 7-13.	589.91				1.0	35.0		
DS 7-16	ML 59+70 4.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	589.91	1.0		1.0				
DS 7-17	ML 60+17.30 50.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 83 LF OF INLET PIPE FROM DS 8-1 TO DS 7-17 AND 80 LF OF OUTLET PIPE FROM DS 7-17 TO DS 7-15.	589.97				1.0	163.0		
DS 7-18	ML 60+15.42 67.9' ^{3}†	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 77 LF OF INLET PIPE FROM DS 8-2 TO DS 7-18 AND 140 LF OF OUTLET PIPE FROM DS 7-18 TO DS 7-10.	-					217.0	1.0	
DS 7-19	ML 60+36.20 3.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	590.95	1.0		1.0				
DS 7-20	ML 60+36.45 2.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 72 LF OF OUTLET PIPE FROM DS 7-20 TO DS 7-18.	589.37	1.0				72.0		
DS 8-1	ML 60+98.22 75.2' LT	REFER TO DS 7-17.	-							
DS 8-2	ML 60+90.34 79.7' RT	REFER TO DS 7-18				1.0				
DS 8-3	ML 62+86.47 3.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 83 LF OF OUTLET PIPE FROM DS 8-3 TO DS 8-5. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	592.55	1.0				83.0		
DS 8-4	ML 62+88.52 2.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	591.41	1.0						
DS 8-5	ML 62+92.08 83.1' LT	REFER TO DS 8-3.	-							
DS 8-6	ML 65+84.13 2.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	593.47	1.0						
DS 8-7	ML 65+84.42 3.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 74 LF OF OUTLET PIPE FROM DS 8-7 TO DS 8-8. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	593.97	1.0		1.0		74.0		
DS 8-8	ML 65+89.97 74.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 12 LF OF OUTLET PIPE FROM DS 8-8 TO DS 8-9.	-					12.0	1.0	
DS 8-9	ML 65+88.09 85.9' LT	REFER TO DS 8-8.	-							
DS 9-1	ML 68+89.62 1.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	595.47	1.0						
DS 9-2	ML 68+89.94 3.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 73 LF OF OUTLET PIPE FROM DS 9-2 TO DS 9-3. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	595.46	1.0		1.0		73.0		
DS 9-3	ML 68+98.78 73.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 9 LF OF OUTLET PIPE FROM DS 9-3 TO DS 9-4.	-					9.0	1.0	
DS 9-4	ML 68+98.95 82.0' LT	REFER TO DS 9-3.	-							
DS 9-5	ML 70+70.00 3.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 77 LF OF OUTLET PIPE FROM DS 9-5 TO DS 9-7. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	596.41	1.0		1.0		77.0		
DS 9-6	ML 70+70.34 1.6' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	596.37	1.0						

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main-Seneca Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacbAdams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	MISCELLANEOUS TABLES
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	MT-6

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
QA/QC BY: J KLEINMANN

DRAINAGE TABLE PAGE 3 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 9-7	ML 70+72.15 77.8' LT	REFER TO DS 9-5.	-							
DS 9-8	E 4+97.53 24.3' RT	REFER TO DS 9-9.	-							
DS 9-9	ML 73+40.26 86.42 LT	CLEAN 75 LF OF PIPE FROM DS 9-9 TO DS 9-8.	-					75.0		
DS 9-10	ML 73+47.51 73.8' LT	REFER TO DS 9-12	-							
DS 9-11	ML 73+47.77 2.3' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902	597.75	1.0						
DS 9-12	ML 73+47.98 3.3' LT	ADJUSTFRAME AND GRATE TO FINISHED GRADE, INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 70 LF OF OUTLET PIPE FROM DS 9-12 TO DS 9-10. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	597.80	1.0		1.0		70.0		
DS 10-1	ML 75+87.82 2.9' LT	ADJUST FRAME AND GRATE TO FINISHED GRADE, INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 75 LF OF OUTLET PIPE FROM DS 10-1 TO DS 10-3. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	599.00	1.0		1.0		75.0		
DS 10-2	ML 75+89.46 2.9' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902	598.96	1.0						
DS 10-3	ML 75+88.69 74.3' LT	REFER TO DS 10-1.	-							
DS 10-4	F 4+62.92 39.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 13 LF OF OUTLET PIPE FROM DS 10-4 TO DS 10-8.	-					13.0	1.0	
DS 10-5	ML 78+51.10 2.9' LT	ADJUST FRAME AND GRATE TO FINISHED GRADE, INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 86 LF OF OUTLET PIPE FROM DS 10-5 TO DS 10-7. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	600.82	1.0		1.0		86.0		
DS 10-6	ML 78+51.27 2.2' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902	601.62	1.0						
DS 10-7	ML 78+51.08 86.7' LT	REFER TO DS 10-5.	-							
DS 10-8	F 4+73.50 39.6' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 67 LF OF INLET PIPE FROM DS 10-13 TO DS 10-8 AND 72 LF OF OUTLET PIPE FROM DS 10-8 TO 10-10.	-					139.0	1.0	
DS 10-9	F 5+64.97 15.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE.	-				1.0	50.0		
DS 10-10	F 4+67.82 33.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 100 LF OF OUTLET PIPE FROM DS 10-10 TO DS 10-9.	-					100.0	1.0	
DS 10-11	ML 79+42.17 53.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 65 LF OF OUTLET PIPE FROM DS 10-11 TO DS 10-12.	601.76				1.0	65.0		
DS 10-12	G 3+53.57 33.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 292 LF OF OUTLET PIPE FROM DS 10-12 TO DS 11-4	-					292.0	1.0	
DS 10-13	E 1+99.81 22.7' RT	REFER TO DS 10-8.	-							
DS 11-1	ML 81+40.45 2.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	605.36	1.0						

DRAINAGE TABLE PAGE 3 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 11-2	ML 81+41.07 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 100 LF OF OUTLET PIPE FROM 11-2 TO DS 11-3. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	604.91	1.0		1.0		100.0		
DS 11-3	ML 81+43.91 98.5' LT	REFER TO DS 11-2.	-							
DS 11-4	G 6+44.91 16.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 176 LF OF OUTLET PIPE FROM DS 11-4 TO DS 11-10.	-					176.0	1.0	
DS 11-5	G 7+02.38 36.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 147 LF OF OUTLET PIPE FROM DS 11-5 TO DS 11-11.	-					147.0	1.0	
DS 11-6	ML 83+79.19 48.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 80 LF OF OUTLET PIPE FROM DS 11-6 TO DS 11-11.	607.55				1.0	80.0		
DS 11-7	ML 83+80.51 2.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 48 LF OF OUTLET PIPE FROM DS 11-7 TO DS 11-6.	608.37	1.0				48.0		
DS 11-8	ML 83+81.04 2.8' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	608.31	1.0		1.0				
DS 11-9	ML 83+82.70 49.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 47 LF OF OUTLET PIPE FROM DS 11-9 TO DS 11-8.	607.65				1.0	47.0		
DS 11-10	G 8+18.66 25.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 81 LF OF OUTLET PIPE FROM DS 11-10 TO DS 11-11.	-					81.0	1.0	
DS 11-11	G 8+51.60 48.7' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 176 LF OF OUTLET PIPE FROM DS 11-11 TO DS 11-12.	-					176.0	1.0	
DS 11-12	G 10+27.37 44.9' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF SOUTH INLET PIPE AND CLEAN 50 LF OF SOUTHWEST OUTLET PIPE.	-					100.0	1.0	
DS 12-1	ML 88+12.49 3.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	613.28	1.0		1.0				
DS 12-2	ML 88+12.55 2.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 278 LF OF INLET PIPE FROM DS 12-6 TO DS 12-2	612.94	1.0				278.0		
DS 12-3	H 1+52.55 18.7' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 51 LF OF OUTLET PIPE FROM DS 12-3 TO DS 12-4.	-					51.0	1.0	
DS 12-4	H 1+74.51 26.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 256 LF OF OUTLET PIPE FROM DS 12-4 TO DS 12-8.	-					256.0	1.0	
DS 12-5	ML 90+90.16 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	615.76	1.0		1.0				
DS 12-6	ML 90+90.24 3.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 248 LF OF INLET PIPE FROM DS 12-6 TO DS 12-10.	614.53	1.0				248.0		
DS 12-7	H 4+29.81 37.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 68 LF OF OUTLET PIPE FROM DS 12-7 TO DS 12-8.	-					68.0	1.0	
DS 12-8	H 4+31.344 30.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 249 LF OF OUTLET PIPE FROM DS 12-8 TO DS 12-12.	-					249.0	1.0	
DS 12-9	ML 93+39.01 2.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	618.01	1.0		1.0				
DS 12-10	ML 93+39.04 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 202 LF OF INLET PIPE FROM DS 12-10 TO DS 12-14.	616.06	1.0				202.0		
DS 12-11	H 6+81.95 42.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 77 LF OF OUTLET PIPE FROM DS 12-11 TO DS 12-12.	-					77.0	1.0	
DS 12-12	H 6+79.23 35.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 193 LF OF OUTLET PIPE FROM DS 12-12 TO DS 12-16.	-					193.0	1.0	
DS 12-13	ML 95+39.71 2.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 80 LF OF OUTLET PIPE FROM DS 12-13 TO DS 12-15.	618.49	1.0				80.0		

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
50 Century Hill Drive
Latham, NY 12110-2732
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-7

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
QA/QC BY: J KLEINMANN

DRAINAGE TABLE PAGE 4 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 12-14	ML 95+39.79 3.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	619.71	1.0		1.0				
DS 12-15	H 8+86.75 32.6' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 82 LF OF OUTLET PIPE FROM DS 12-15 TO DS 12-16.	-					82.0	1.0	
DS 12-16	H 8+67.61 46.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 221 LF OF OUTLET PIPE FROM DS 12-16 TO DS 13-5.	-					221.0	1.0	
DS 13-1	H 10+40.65 4.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 85 LF OF OUTLET PIPE FROM DS 13-1 TO DS 13-5.	617.19				1.0	85.0		
DS 13-2	ML 97+37.62 3.3' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	620.98	1.0		1.0				
DS 13-3	ML 97+38.00 2.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 88 LF OF OUTLET PIPE FROM DS 13-3 TO DS 13-1.	621.06	1.0				88.0		
DS 13-4	ML 97+38.82 49.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 45 LF OF OUTLET PIPE FROM DS 13-4 TO DS 13-2.	622.26				1.0	45.0		
DS 13-5	H 10+91.22 75.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 255 LF OF OUTLET PIPE FROM DS 13-5 TO D S 13-7.	-					255.0	1.0	
DS 13-6	ML 99+89.27 50.4' RT	CLEAN EXISTING DRAINAGE STRUCTURE.	-						1.0	
DS 13-7	ML 100+35.02 98.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 235 LF OF OUTLET PIPE.	-					235.0	1.0	
DS 14-1	ML 108+86.59 47.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 70 LF OF OUTLET PIPE FROM DS 14-1 TO DS 14-4.	620.49				1.0	70.0		
DS 14-2	ML 108+86.66 4.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	620.91	1.0		1.0				
DS 14-3	ML 108+87.22 1.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 48 LF OF OUTLET PIPE FROM DS 14-3 TO DS 14-1.	621.37	1.0				48.0		
DS 14-4	ML 108+88.54 117.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 198 LF OF OUTLET PIPE FROM DS 14-4 TO DS 14-5.	-					198.0	1.0	
DS 14-5	ML 106+87.20 105.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 100 LF OF OUTLET PIPE.	-					100.0	1.0	
DS 15-1	ML 110+46.38 112.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 5 LF OF INLET PIPE TO SOUTHEAST AND CLEAN 156 LF OF OUTLET PIPE FROM DS 15-1 TO DS 14-4.	-					161.0	1.0	
DS 15-2	ML 110+60.77 48.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 64 LF OF OUTLET PIPE FROM DS 15-1 TO DS 15-1.	616.36				1.0	64.0		
DS 15-3	ML 110+94.01 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 57 LF OF OUTLET PIPE FROM DS 15-3 TO DS 15-2.	616.58	1.0				57.0		
DS 15-4	ML 110+94.39 3.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	616.13	1.0		1.0				
DS 15-5	ML 114+35.85 102.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 234 LF OF OUTLET PIPE FROM DS 15-5 TO DS 15-19.	-					234.0	1.0	

DRAINAGE TABLE PAGE 4 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 15-6	ML 114+36.28 2.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	608.57	1.0		1.0				
DS 15-7	ML 114+36.31 3.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 15-7 TO DS 15-8.	608.63	1.0				50.0		
DS 15-8	ML 114+36.66 49.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 15-8 TO DS 15-5.	607.21				1.0	52.0		
DS 15-9	ML 115+81.83 50.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 15-9 TO DS 15-11.	605.43				1.0	50.0		
DS 15-10	ML 115+82.36 3.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 15-10 TO DS 15-14.	606.90	1.0				50.0		
DS 15-11	ML 116+31.18 49.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 15-11 TO DS 15-15.	605.32				1.0	50.0		
DS 15-12	ML 116+31.28 2.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.80	1.0		1.0				
DS 15-13	ML 116+31.42 48.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 15-13 TO DS 15-12.	606.62				1.0	50.0		
DS 15-14	ML 116+31.85 3.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 15-14 TO DS 15-17.	606.81	1.0				52.0		
DS 15-15	ML 116+80.34 49.6' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 15-15 TO DS 15-19.	605.45				1.0	52.0		
DS 15-16	ML 116+82.90 2.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.70	1.0		1.0				
DS 15-17	ML 116+83.16 3.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 15-17 TO DS 15-15.	606.88	1.0				50.0		
DS 15-18	ML 116+83.64 48.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 15-18 TO DS 15-13.	606.55				1.0	52.0		
DS 15-19	ML 116+69.78 100.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 232 LF OF OUTLET PIPE FROM DS 15-19 TO DS 16-7.	-					232.0	1.0	
DS 16-1	ML 117+44.02 48.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 60 LF OF OUTLET PIPE FROM DS 16-1 TO DS 15-18.	606.75				1.0	60.0		
DS 16-2	ML 117+45.97 2.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 65 LF OF OUTLET PIPE FROM DS 16-2 TO DS 15-15. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.91	1.0		1.0		65.0		
DS 16-3	ML 118+22.04 49.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 66 LF OF OUTLET PIPE FROM DS 16-3 TO DS 16-6.	607.61				1.0	66.0		
DS 16-4	ML 118+60.42 48.9' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 56 LF OF OUTLET PIPE FORM DS 16-4 TO DS 16-7.	606.96				1.0	56.0		
DS 16-5	ML 118+67.26 2.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 48 LF OF OUTLET PIPE FROM DS 16-5 TO DS 16-4	608.29	1.0				48.0		
DS 16-6	ML 118+67.48 2.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	607.72	1.0		1.0				
DS 16-7	ML 119+05.18 82.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 85 LF OF OUTLET PIPE FROM DS 16-7 TO DS 16-8.	-					85.0	1.0	
DS 16-8	ML 119+92.03 83.4' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 138 LF OF OUTLET PIPE.	-					138.0	1.0	
DS 16-9	J 10+77.57 37.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 57 LF OF OUTLET PIPE FROM DS 16-9 TO DS 16-10.	-					57.0	1.0	

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
555 Main Street
Buffalo, NY 14203-2722
518.453.4500 - www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-8

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

DRAINAGE TABLE PAGE 5 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.C. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 16-10	J 10+88.36 18.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 79 LF OF OUTLET PIPE FROM DS 16-10 TO DS 16-11.	-					79.0	1.0	
DS 16-11	J 10+00.64 28.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 240 LF OF OUTLET PIPE FROM DS 16-11 TO DS 16-12.	-					240.0	1.0	
DS 16-12	J 7+56.46 53.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 111 LF OF OUTLET PIPE FROM DS 16-12 TO DS 16-13.	-					111.0	1.0	
DS 16-13	J 7+20.80 52.5' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 16-14	K 1+99.19 27.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 16-15	J 4+94.04 63.8' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 250 LF OF OUTLET PIPE FROM DS 16-15 TO DS 16-12.	-					250.0	1.0	
DS 17-1	J 3+72.666 68.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 112 LF OF OUTLET PIPE FROM DS 17-1 TO DS 16-15.	-					112.0	1.0	
DS 17-2	K 2+64.55 26.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 67 LF OF OUTLET PIPE FROM DS 17-2 TO DS 16-14.	-					67.0	1.0	
DS 17-3	K 3+83.64 21.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 119 LF OF OUTLET PIPE FROM DS 17-3 TO DS 17-2.	-					119.0	1.0	
DS 17-4	ML 126+39.10 4.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	609.54	1.0		1.0				
DS 17-5	ML 126+39.67 2.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 233 LF OF OUTLET PIPE FROM DS 17-5 TO DS 17-8.	610.18	1.0				233.0		
DS 17-6	K 6+38.12 4.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 21 LF OUTLET PIPE FROM DS 17-6 TO DS 17-10.	-				1.0	21.0		
DS 17-7	ML 128+72.97 3.8' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	608.17	1.0		1.0				
DS 17-8	ML 128+73.18 2.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 49 LF OF OUTLET PIPE FROM DS 17-8 TO DS 17-9.	608.65	1.0				49.0		
DS 17-9	ML 128+73.68 48.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 31 LF OF OUTLET PIPE FROM DS 17-9 TO DS 17-6.	606.94				1.0	31.0		
DS 17-10	K 6+40.89 24.4' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 257 LF OF OUTLET PIPE FROM DS 17-10 TO DS 17-3.	-					257.0	1.0	
DS 17-11	ML 131+09.44 1.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 60 LF OF OUTLET PIPE FROM DS 17-11 TO DS 17-13.	606.78	1.0				60.0		
DS 17-12	ML 131+09.49 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.79	1.0		1.0				
DS 17-13	131+09.01 60.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 42 LF OF OUTLET PIPE FROM DS 17-13 TO DS 17-14.	-					42.0	1.0	
DS 17-14	ML 131+04.63 101.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 5 LF OF INLET PIPE FROM WEST AND CLEAN 222 LF OF OUTLET PIPE FROM DS 17-14 TO DS 17-10.	-					227.0	1.0	
DS 18-1	ML 133+44.87 58.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 22 LF OF OUTLET PIPE FROM DS 18-1 TO DS 18-5.	604.24				1.0	22.0		

DRAINAGE TABLE PAGE 5 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.C. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 18-2	ML 133+53.63 1.9' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 59 LF OF OUTLET PIPE FROM DS 18-2 TO DS 18-1.	605.30	1.0				59.0		
DS 18-3	ML 133+53.73 2.8' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	605.32	1.0		1.0				
DS 18-4	ML 133+63.93 48.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 49 LF OF OUTLET PIPE FROM DS 18-4 TO DS 18-3.	604.09				1.0	49.0		
DS 18-5	ML 133+32.49 76.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 255 LF OF OUTLET PIPE FROM DS 18-5 TO DS 18-9.	-					255.0	1.0	
DS 18-6	ML 135+85.21 59.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 28 LF OF OUTLET PIPE FROM DS 18-6 TO DS 18-9.	602.99				1.0	28.0		
DS 18-7	ML 135+86.85 2.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 58 LF OF OUTLET PIPE FROM DS 18-7 TO DS 18-6.	604.27	1.0				58.0		
DS 18-8	ML 135+86.96 2.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	604.30	1.0		1.0				
DS 18-9	ML 135+87.80 86.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 271 LF OF OUTLET PIPE FROM DS 18-9 TO DS 19-4.	-					271.0	1.0	
DS 19-1	ML 138+50.87 54.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 34 LF OF OUTLET PIPE FROM DS 19-1 TO DS 19-4.	603.89				1.0	34.0		
DS 19-2	ML 138+51.21 2.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 19-2 TO DS 19-1.	605.34	1.0				52.0		
DS 19-3	ML 138+51.26 2.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	605.37	1.0		1.0				
DS 19-4	ML 138+57.96 87.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 321 LF OF OUTLET PIPE FROM DS 19-4 TO DS 19-7.	-					321.0	1.0	
DS 19-5	ML 140+31.66 49.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 40 LF OF OUTLET PIPE FROM DS 19-5 TO DS 19-6.	605.42				1.0	40.0		
DS 19-6	ML 140+35.13 90.0' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 180 LF OF OUTLET PIPE FROM DS 19-6 TO DS 19-13.	-					180.0	1.0	
DS 19-7	140+78.55 78.2' RT	CLEAN EXISTING STRUCTURE	-						1.0	
DS 19-8	ML 145+03.49 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 44 LF OF OUTLET PIPE FROM DS 19-8 TO DS 19-11.	605.39	1.0				44.0		
DS 19-9	ML 145+03.49 2.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	605.52	1.0		1.0				
DS 19-10	ML 145+03.98 49.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 51 LF OF OUTLET PIPE FROM DS 19-10 TO DS 19-9.	604.73				1.0	51.0		
DS 19-11	ML 145+04.70 49.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 32 LF OF OUTLET PIPE FROM DS 19-11 TO DS 19-12.	604.36				1.0	32.0		
DS 19-12	ML 144+97.15 80.0' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 19-13	ML 142+13.89 79.9' LT	REFER TO DS 19-6.	-							
DS 20-1	ML 147+86.82 49.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN AND PERFORM VIDEO INSPECTION OF 34 LF OF OUTLET PIPE FROM DS 20-1 TO DS 20-13.	601.96				1.0	34.0		34.0
DS 20-2	ML 147+87.43 49.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN AND PERFORM VIDEO INSPECTION OF 49 LF OF OUTLET PIPE FROM DS 20-2 TO DS 20-4.	602.32				1.0	49.0		49.0
DS 20-3	ML 147+90.25 3.5' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN AND PERFORM VIDEO INSPECTION OF 50 LF OF OUTLET PIPE FROM DS 20-3 TO DS 20-1.	603.04	1.0				50.0		50.0
DS 20-4	ML 147+90.51 2.3' LT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	603.03	1.0		1.0				

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
50 Century Hill Drive
Suite 2
Latham, NY 12110-2122
518.453.4500 - www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-9

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DRAINAGE TABLE PAGE 6 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 20-5	ML 150+78.67 48.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN AND PERFORM VIDEO INSPECTION OF 26 LF OF OUTLET PIPE FROM DS 20-5 TO DS 20-7.	599.78				1.0	26.0		26.0
DS 20-6	ML 150+81.48 49.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 23 LF OF OUTLET PIPE DS 20-6 TO DS 20-8.	600.06				1.0	23.0		
DS 20-7	ML 151+04.29 49.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN AND PERFORM VIDEO INSPECTION OF 63 LF OF OUTLET PIPES FROM DS 20-7 TO DS 20-15.	599.71				1.0	63.0		63.0
DS 20-8	ML 151+04.58 49.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN AND PERFORM VIDEO INSPECTION OF 52 LF OF OUTLET PIPES FROM DS 20-8 TO DS 20-9.	600.12				1.0	52.0		52.0
DS 20-9	ML 151+04.59 2.8' LT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	600.81	1.0		1.0				
DS 20-10	ML 151+04.61 3.1' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN AND PERFORM VIDEO INSPECTION OF 46 LF OF OUTLET PIPE FROM DS 20-10 TO DS 20-7.	600.65	1.0				46.0		46.0
DS 20-11	ML 151+16.66 49.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 13 LF OF OUTLET PIPE FROM DS 20-11 TO DS 20-8.	600.14				1.0	13.0		
DS 20-12	ML 151+17.34 49.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN AND PERFORM VIDEO INSPECTION OF 14 LF OF OUTLET PIPE FROM DS 20-12 TO DS 20-7.	599.75				1.0	14.0		14.0
DS 20-13	ML 147+80.47 81.9' RT	CLEAN AND PERFORM VIDEO INSPECTION OF 30 LF OF OUTLET PIPE FROM DS 20-13 TO DS 20-14.	-					30.0		30.0
DS 20-14	ML 147+83.62 112.7' RT	REFER TO DS 20-13.	-							
DS 20-15	ML 150+55.47 89.5' RT	REFER TO DS 20-7.	-							
DS 21-1	ML 154+61.18 48.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 21-1 TO DS 21-11.	605.86				1.0	52.0		
DS 21-2	ML 154+61.14 48.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 51 LF OF OUTLET PIPE FROM DS 21-2 TO DS 21-4.	606.05				1.0	51.0		
DS 21-3	ML 154+73.02 4.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM 21-3 TO DS 21-1.	606.64	1.0				50.0		
DS 21-4	ML 154+73.75 2.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.62	1.0		1.0				
DS 21-5	ML 156+97.92 51.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 53 LF OF OUTLET PIPE FROM DS 21-5 TO DS 21-7.	611.22				1.0	53.0		
DS 21-6	ML 156+99.53 49.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 66 LF OF OUTLET PIPE DS 21-12.	611.01				1.0	66.0		
DS 21-7	ML 157+06.20 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	611.75	1.0		1.0				
DS 21-8	ML 157+06.54 3.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 49 LF OF OUTLET PIPE FROM DS 21-8 TO DS 21-6.	611.77	1.0				49.0		

DRAINAGE TABLE PAGE 6 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 21-9	ML 158+80.54 65.5' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN AND PERFORM VIDEO INSPECTION OF 200 LF OF PIPE FROM DS 21-9 TO DS 21-10.	-					200.0	1.0	200.0
DS 21-10	ML 158+60.87 127.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 161 LF OF OUTLET PIPE FROM DS 21-10 TO DS 21-12.	-					161.0	1.0	
DS 21-11	ML 154+41.36 95.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 21-12	ML 157+00.30 114.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 259 LF OF OUTLET PIPE FROM DS 21-12 TO DS 21-11.	-					259.0	1.0	
DS 22-1	ML 164+25.87 51.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 68 LF OF OUTLET PIPE FROM DS 22-1 TO DS 22-4.	611.53				1.0	68.0		
DS 22-2	ML 164+26.69 2.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 54 LF OF OUTLET PIPE FROM DS 22-2 TO DS 22-1. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	612.58	1.0		1.0		54.0		
DS 22-3	ML 164+50.36 57.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 59 LF OF OUTLET PIPE FROM DS 22-3 TO DS 22-2.	612.35				1.0	59.0		
DS 22-4	ML 164+28.39 119.4' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 202 LF OF OUTLET PIPE FROM DS 22-4 TO DS 22-8.	-					202.0	1.0	
DS 22-5	M 3+11.58 35.8' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 106 LF OF OUTLET PIPE FROM DS 22-5 TO DS 22-9.	-					106.0	1.0	
DS 22-6	ML 166+22.66 2.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 58 LF OF OUTLET PIPE FROM DS 22-6 TO DS 22-7. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	609.83	1.0		1.0		58.0		
DS 22-7	ML 166+23.65 56.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 68 LF OF OUTLET PIPE FROM DS 22-5 TO DS 22-8.	607.90				1.0	68.0		
DS 22-8	ML 166+33.64 122.4' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 205 LF OF OUTLET PIPE FROM DS 22-8 TO DS 22-13.	-					205.0	1.0	
DS 22-9	M 3+23.69 70.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 217 LF OF OUTLET PIPE FROM DS 22-9 TO DS 23-1.	-					217.0	1.0	
DS 22-10	ML 168+13.78 2.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	607.01	1.0		1.0				
DS 22-11	ML 168+14.38 4.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 57 LF OF OUTLET PIPE FROM DS 22-11 TO DS 22-12.	606.92	1.0				57.0		
DS 22-12	ML 168+36.79 53.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 60 LF OF OUTLET PIPE FROM DS 22-12 TO DS 22-13.	605.35				1.0	60.0		
DS 22-13	ML 168+44.65 112.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 23-1	L1 5+06.53 69.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 116 LF OF OUTLET PIPE FROM DS 23-1 TO DS 23-4.						116.0	1.0	
DS 23-2	L 3+48.55 39.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 40 LF OF OUTLET PIPE FROM DS 23-2 TO DS 23-3.						40.0	1.0	
DS 23-3	L1 3+38.72 2.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 43 LF OF OUTLET PIPE FROM DS 23-3 TO DS 23-4.	-				1.0	43.0		
DS 23-4	L1 3+25.82 44.5' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 165 LF OF OUTLET PIPE FROM DS 23-4 TO DS 23-5.	-					165.0	1.0	
DS 23-5	L1 1+37.71 62.9' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 23-6	L1 1+30.59 52.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 12 LF OF OUTLET PIPE FROM DS 23-6 TO DS 23--5.	-				1.0	12.0		
DS 23-7	L1 1+30.34 56.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 111 LF OF OUTLET PIPE FROM DS 23-7 TO 23-6.	-					111.0		

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-10

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

DRAINAGE TABLE PAGE 7 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.C. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 23-8	L1 1+44.79 77.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 28 LF OF OUTLET PIPE FROM DS 23-8 TO DS 23-9.	-					28.0	1.0	
DS 23-9	L1 1+17.35 77.8' RT	REFER TO DS 23-8.	-							
DS 23-10	01 1+67.80 18.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE	-				1.0			
DS 23-11	01 1+66.84 41.4' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 5 LF OF OUTLET PIPE.	-					5.0	1.0	
DS 12-12	01 2+06.50 4.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 41 LF OF OUTLET PIPE FROM DS 23-12 TO DS 23-10.	-				1.0	41.0		
DS 23-13	01 3+04.62 42.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 131 LF OF OUTLET PIPE FROM DS 23-13 TO DS 12-11.	-					131.0	1.0	
DS 23-14	0 2+99.02 3.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 44 LF OF OUTLET PIPE FROM DS 23-14 TO DS 23-13.	-				1.0	44.0		
DS 23-15	N 4+95.40 34.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 131 LF OF OUTLET PIPE FROM DS 23-15 TO DS 24-18.	-					131.0	1.0	
DS 24-1	ML 170+43.95 3.6' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 34 LF OF OUTLET PIPE FROM DS 24-1 TO DS 24-6.	604.19	1.0				34.0		
DS 24-2	ML 170+44.82 3.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	604.24	1.0		1.0				
DS 24-3	ML 170+45.36 54.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 35 LF OF OUTLET PIPE FROM DS 24-3 TO DS 24-7.	604.88				1.0	35.0		
DS 24-4	ML 170+78.71 59.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 60 LF OF OUTLET PIPE FROM DS 24-4 TO DS 24-6.	602.46				1.0	60.0		
DS 24-5	ML 170+79.07 3.9' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	604.12	1.0						
DS 24-6	ML 170+79.51 2.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 55 LF OF OUTLET PIPE FROM DS 24-6 TO DS 24-7. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	604.15	1.0		1.0		55.0		
DS 24-7	ML 170+79.59 55.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPES FROM DS 24-7 FROM DS 24-16.	604.80				1.0	50.0		
DS 24-8	ML 171+41.50 59.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 62 LF OF OUTLET PIPE FROM DS 24-8 TO DS 24-7.	604.71				1.0	62.0		
DS 24-9	ML 171+43.49 3.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 66 LF OF OUTLET PIPE FROM DS 24-9 TO DS 24-6.	604.09	1.0				66.0		
DS 24-10	ML 171+45.17 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	604.29	1.0		1.0				
DS 24-11	ML 172+86.77 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 140 LF OF INLET PIPE TO DS 24-11 TO DS 25-10. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.08	1.0		1.0		140.0		

DRAINAGE TABLE PAGE 7 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.C. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 24-12	ML 174+42.49 2.3' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 168 LF OF INLET PIPE TO DS 24-12 TO DS 25-4. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	608.34	1.0		1.0		168.0		
DS 24-13	ML 174+42.91 3.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	607.82	1.0						
DS 24-14	ML 174+43.09 49.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 24-14 TO DS 24-12.	607.95				1.0	50.0		
DS 24-15	ML 169+94.43 101.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 24-16	ML 170+93.08 104.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 24-17	171+81.84 133.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 185 LF OF OUTLET PIPE FROM DS 24-17 TO DS 24-15.	-					185.0	1.0	
DS 24-18	174+22.47 112.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 239 LF OF OUTLET PIPE FROM DS 24-18 TO DS 24-17.						239.0	1.0	
DS 25-1	0 5+15.45 4.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 69 LF OUTLET PIPE FROM DS 25-1 TO DS 25-5.	-					69.0		
DS 25-2	ML 176+11.09 4.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 73 LF OF OUTLET PIPE FROM DS 25-2 TO DS 25-1.	610.49	1.0				73.0		
DS 25-3	ML 176+11.56 47.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 48 LF OF OUTLET PIPE FROM DS 25-3 TO DS 25-4.	609.45				1.0	48.0		
DS 25-4	ML 176+11.98 3.3' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	610.51	1.0		1.0				
DS 25-5	ML 176+19.75 140.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 201 LF OF OUTLET PIPE FROM DS 25-5 TO DS 24-18.	-					201.0	1.0	
DS 25-6	ML 177+52.51 111.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 139 LF OF OUTLET PIPE FROM DS 25-6 TO DS 25-5.	-					139.0	1.0	
DS 25-7	ML 178+64.53 102.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 115 LF OF OUTLET PIPE FROM DS 25-7 TO DS 25-6.	-					115.0	1.0	
DS 25-8	ML 179+65.14 112.7' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 238 LF OF OUTLET PIPE FROM DS 25-8 TO DS 25-7.	-					238.0	1.0	
DS 25-9	ML 180+40.14 106.8' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 73 LF OF OUTLET PIPE FROM DS 25-9 TO DS 25-8.	-					73.0	1.0	
DS 25-10	ML 182+22.57 2.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 46 LF OF OUTLET PIPE FROM DS 25-10 TO DS 25-11. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.80	1.0		1.0		46.0		
DS 25-11	ML 182+23.04 47.8' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 58 LF OF OUTLET PIPE FROM DS 25-11 TO DS 25-12.	605.31				1.0	58.0		
DS 25-12	ML 182+27.98 105.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 183 LF OF OUTLET PIPE FROM DS 25-12 TO DS 25-9.	-					183.0	1.0	
DS 26-1	ML 184+05.77 6.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	603.42	1.0						
DS 26-2	ML 184+07.25 1.3' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 26-2 TO DS 26-3. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	603.32	1.0		1.0		50.0		
DS 26-3	ML 184+07.98 46.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 53 LF OUTLET PIPE FROM DS 26-3 TO DS 26-18.	601.86				1.0	53.0		
DS 26-4	ML 185+46.38 0.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 61 LF OF OUTLET PIPE FROM DS 26-4 TO DS 26-9.	601.45	1.0		1.0		61.0		
DS 26-5	ML 185+47.11 7.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	601.54	1.0						

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
50 Century Hill Drive
Suite 1, NY 12205-3722
518.453.4500 - www.chacalibrio.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-11

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
QUALITY CONTROL BY: J KLEINMANN

DRAINAGE TABLE PAGE 8 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 26-6	ML 185+48.38 46.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 60 LF OF OUTLET PIPE FROM DS 26-6 TO DS 26-8.	600.20				1.0	60.0		
DS 26-7	ML 186+08.71 5.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	601.24	1.0						
DS 26-8	ML 186+08.72 46.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 45 LF OF OUTLET PIPE FROM DS 26-8 TO DS 26-19.	600.25				1.0	45.0		
DS 26-9	ML 186+08.82 0.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPES FROM DS 26-9 TO DS 26-8. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	601.27	1.0		1.0		50.0		
DS 26-10	ML 186+53.98 8.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	601.49	1.0						
DS 26-11	ML 186+54.07 1.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 45 LF OF OUTLET PIPE FROM DS 26-11 TO DS 26-9. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	601.45	1.0		1.0		45.0		
DS 26-12	ML 186+54.09 43.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 45 LF OF OUTLET PIPE FROM DS 26-12 TO DS 26-8.	600.81				1.0	45.0		
DS 26-13	ML 188+36.26 1.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 46 LF OF OUTLET PIPE FROM DS 26-13 TO DS 26-14. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	603.18	1.0		1.0		46.0		
DS 26-14	ML 188+36.32 46.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 51 LF OF OUTLET PIPE FROM DS 26-14 TO DS 26-24.	602.70				1.0	51.0		
DS 26-15	ML 188+37.02 4.6' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	603.08	1.0						
DS 26-16	ML 188+56 50.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 54 LF OF OUTLET PIPE FROM DS 26-16 TO DS 26-15.	602.44				1.0	54.0		
DS 26-17	ML 183+85.80 112.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF INLET PIPE AND CLEAN 305 LF OF OUTLET PIPE FROM DS 26-17 TO DS 26-20.	-					355.0	1.0	
DS 26-18	ML 184+10.77 99.4' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 179 LF OF OUTLET PIPE FROM DS 26-18 TO DS 25-12.	-					179.0	1.0	
DS 26-19	ML 186+16.31 92.4' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 201 LF OF OUTLET PIPE FROM DS 26-19 TO DS 26-18.	-					201.0	1.0	
DS 26-20	ML 186+84.41 112.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
DS 26-21	ML 186+85.37 93.9' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 70 LF OF OUTLET PIPE FROM DS 26-21 TO DS 26-19.	-					70.0	1.0	
DS 26-22	ML 187+20.67 91.5' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 36 LF OF OUTLET PIPE FROM DS 26-22 TO DS 26-21.	-					36.0	1.0	
DS 26-23	ML 187+88.94 105.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIP.	-					50.0	1.0	
DS 26-24	ML 188+39.78 99.0' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 119 LF OF OUTLET PIPE FROM DS 26-24 TO DS 26-22.	-					119.0	1.0	
DS 27-1	ML 190+11.28 47.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 57 LF OF OUTLET PIPE FROM DS 27-1 TO DS 27-9.	604.27				1.0	57.0		

DRAINAGE TABLE PAGE 8 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 27-2	ML 190+11.43 2.1' LT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 48 LF OF OUTLET PIPE FROM DS 27-2 TO DS 27-1. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	605.06	1.0		1.0		48.0		
DS 27-3	ML 190+11.78 3.6' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE.INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902	604.95	1.0						
DS 27-4	ML 190+12.31 49.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 50 LF OF OUTLET PIPE FROM DS 27-4 TO DS 27-3.	604.03				1.0	50.0		
DS 27-5	ML 193+61.45 3.5' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902	608.59	1.0						
DS 27-6	ML 193+61.47 49.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 49 LF OF INLET PIPE FROM DS 27-6 TO DS 27-5.	607.39				1.0	49.0		
DS 27-7	ML 193+61.67 2.5' LT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 46 LF OF OUTLET PIPE FROM DS 27-7 TO DS 27-8. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	608.52	1.0		1.0		46.0		
DS 27-8	ML 193+63.04 48.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 67 LF OF OUTLET PIPE FROM DS 27-8 TO DS 27-12.	609.11				1.0	67.0		
DS 27-9	ML 190+13.21 104.5' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 173 LF OF OUTLET PIPE FROM DS 27-9 TO DS 26-24.	-					173.0	1.0	
DS 27-10	ML 191+87.77 111.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 174 LF OF OUTLET PIPE FROM DS 27-10 TO DS 27-9.	-					174.0	1.0	
DS 27-11	193+61.47 49.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 449 LF OF OUTLET PIPE FROM DS 27-11 TO DS 26-23.	-					449.0	1.0	
DS 27-12	ML 193+66.83 115.8' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 181 LF OF OUTLET PIPE FROM DS 27-12 TO DS 27-10.	-					181.0	1.0	
DS 27-13	ML 195+31.12 113.9' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 167 LF OF OUTLET PIPE FROM DS 27-13 TO DS 27-12.	-					167.0	1.0	
DS 27-14	ML 195+34.83 122.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 292 LF OF OUTLET PIPE FROM DS 27-14 TO DS 27-11.	-					292.0	1.0	
DS 28-1	ML 198+25.35 4.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	608.02	1.0						
DS 28-2	ML 198+25.58 2.5' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 48 LF OF OUTLET PIPE FROM DS 28-2 TO DS 28-3. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	608.05	1.0		1.0		48.0		
DS 28-3	ML 198+26.05 47.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 64 LF OF OUTLET PIPE FROM DS 28-3 TO DS 28-14.	607.35				1.0	64.0		
DS 28-4	ML 198+53.89 49.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 57 LF OF OUTLET PIPE FROM DS 28-4 TO DS 28-1.	607.15				1.0	57.0		
DS 28-5	ML 200+45.26 49.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 83 LF OF OUTLET PIPE FROM DS 28-5 TO DS 28-15.	605.64				1.0	83.0		
DS 28-6	ML 200+45.85 2.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 49 LF OF OUTLET PIPE FROM DS 28-6 TO DS 28-5. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	606.24	1.0		1.0		49.0		
DS 28-7	ML 200+46.11 53.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 52 LF OF OUTLET PIPE FROM DS 28-7 TO DS 28-8.	605.92				1.0	52.0		
DS 28-8	ML 200+46.23 2.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	606.35	1.0						
DS 28-9	ML 202+14.63 51.9' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 58 LF OF OUTLET PIPE FROM DS 28-9 TO DS 28-11.	604.61				1.0	58.0		

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-12

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DRAINAGE TABLE PAGE 9 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 28-10	ML 202+38.32 48.6' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 78 LF OF OUTLET PIPE FROM DS 28-10 TO DS 28-16.	604.38				1.0	78.0		
DS 28-11	ML 202+39.41 4.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	604.89	1.0						
DS 28-12	ML 202+40.28 3.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 45 LF OF OUTLET PIPE FROM DS 28-12 TO DS 28-10. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	604.95	1.0		1.0		45.0		
DS 28-13	ML 197+56.05 110.2' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 225 LF OF OUTLET PIPE FROM DS 28-13 TO DS 27-13.	-					225.0	1.0	
DS 28-14	ML 198+35.57 110.3' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 80 LF OF OUTLET PIPE FROM DS 28-14 TO DS 28-13.	-					80.0	1.0	
DS 28-15	ML 199+88.78 108.9' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 152 LF OF OUTLET PIPE FROM DS 28-15 TO DS 28-14.	-					152.0	1.0	
DS 28-16	ML 201+85.22 106.1' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 197 LF OF OUTLET PIPE FROM DS 28-16 TO DS 28-15.	-					197.0	1.0	
DS 29-1	ML 204+89.68 53.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 56 LF OF OUTLET PIPE FROM DS 29-1 TO DS 29-9.	602.12				1.0	56.0		
DS 29-2	ML 204+91.40 3.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	602.89	1.0		1.0				
DS 29-3	ML 204+91.54 1.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 55 LF OF OUTLET PIPE FROM DS 29-3 TO DS 29-1.	602.93	1.0				55.0		
DS 29-4	P 2+45.72 6.4' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 47 LF OF OUTLET PIPE FROM DS 29-4 TO DS 29-10.	-				1.0	47.0		
DS 29-5	ML 206+40.93 58.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 56 LF OF OUTLET PIPE FROM DS 29-5 TO DS 29-6.	602.53				1.0	56.0		
DS 29-6	ML 206+41.53 4.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 86 LF OF OUTLET PIPE FROM DS 29-6 TO DS 29-4. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	601.85	1.0		1.0		86.0		
DS 29-7	ML 210+20.61 2.7' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 188 LF OF OUTLET PIPE FROM DS 29-7 TO DS 30-3. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	597.46	1.0		1.0		188.0		
DS 29-8	ML 210+20.79 2.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	597.43	1.0						
DS 29-9	ML 204+86.46 110.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 5 LF OF INLET PIPE FROM EAST AND CLEAN 133 LF OF OUTLET PIPE FROM DS 29-9 TO DS 29-10.	-					133.0	1.0	
DS 29-10	ML 206+25.45 129.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 196 LF OF OUTLET PIPE FROM DS 29-10 TO DS 29-11.	-					196.0	1.0	
DS 29-11	ML 208+37.75 112.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 99 LF OF OUTLET PIPE FROM DS 29-11 TO DS 29-12.	-					99.0	1.0	

DRAINAGE TABLE PAGE 9 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 29-12	ML 209+47.49 112.2' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 250 LF OF OUTLET PIPE FROM DS 29-12 TO DS 30-14.	-					250.0	1.0	
DS 29-13	ML 210+77.79 65.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 133 LF OF OUTLET PIPE FROM DS 29-13 TO DS 29-12.	-					133.0	1.0	
DS 30-1	Q 7+62.15 3.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 35 LF OF OUTLET PIPE FROM DS 30-1 TO DS 30-14.	592.32				1.0	35.0		
DS 30-2	R 7+87.26 6.3' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 63 LF OF OUTLET PIPE FROM DS 30-2 TO DS 30-3.	593.60				1.0	63.0		
DS 30-3	ML 212+09.83 3.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 68 LF OF OUTLET PIPE FROM DS 30-3 TO DS 30-1. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	594.02	1.0		1.0		68.0		
DS 30-4	ML 214+01.25 58.8' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 34 LF OF OUTLET PIPE FROM DS 30-4 TO DS 30-15.	590.26				1.0	34.0		
DS 30-5	ML 214+01.87 6.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 66 LF OF OUTLET PIPE FROM DS 30-5 TO DS 30-4. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	590.67	1.0		1.0		66.0		
DS 30-6	ML 215+90.25 61.1' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 33 LF OF OUTLET PIPE FROM DS 30-6 TO DS 30-16.	588.31				1.0	33.0		
DS 30-7	ML 215+91.40 3.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 58 LF OF OUTLET PIPE FROM DS 30-7 TO DS 30-6.	587.52	1.0				58.0		
DS 30-8	ML 217+86.50 2.9' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 67 LF OF OUTLET PIPE FROM DS 30-8 TO DS 30-11. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	584.09	1.0		1.0		67.0		
DS 30-9	ML 217+86.80 2.7' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	584.10	1.0						
DS 30-10	S 4+29.91 42.7' LT	CLEAN AND PERFORM VIDEO INSPECTION OF 70 LF OF PIPE FROM DS 30-10 TO DS 30-13.	-					70.0		70.0
DS 30-12	S 3+17.39 24.9' RT	CLEAN AND PERFORM VIDEO INSPECTION OF 100 LF OF PIPE FROM DS 30-12 TO DS 30-13.	-					100.0		100.0
DS 30-13	S 4+30.12 26.0' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 107 LF OF OUTLET PIPE FROM DS 30-13 TO DS 31-2.	-					107.0	1.0	
DS 30-14	ML 212+11.87 100.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 188 LF OF OUTLET PIPE FROM DS 30-14 TO DS 30-15.	-					188.0	1.0	
DS 30-15	ML 214+00.65 92.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 190 LF OF OUTLET PIPE FROM DS 30-15 TO DS 30-16.	-					190.0	1.0	
DS 30-16	ML 215+86.84 92.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 59 LF OF OUTLET PIPE FROM DS 30-16 TO HAMBURG DRAIN STA ML 216+15.45.	-					59.0	1.0	
DS 31-1	R 4+50.17 56.5' RT	CLEAN 200 LF OF PIPE FROM DS 31-1 TO DS 31-2.	-					200.0		
DS 31-2	S 5+57.63 23.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 164 LF OF OUTLET PIPE FROM DS 31-2 TO DS 31-3.	-					164.0	1.0	
DS 31-3	S 7+66.01 25.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 105 LF OF OUTLET PIPE FROM DS 31-3 TO DS 31-4.	-					105.0	1.0	
DS 31-4	R1 2+03.06 51.5' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 98 LF OF OUTLET PIPE FROM DS 31-4 TO DS 31-8.	-					98.0	1.0	
DS 31-5	R1 2+30.04 39.0' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 73 LF OF OUTLET PIPE FROM DS 31-5 TO DS 31-7.	-					73.0	1.0	
DS 31-6	R1 2+06.12 102.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 69 LF OF OUTLET PIPE FROM DS 31-6 TO DS 31-5.	-					69.0	1.0	
DS 31-7	R1 1+94.78 LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 28 LF OF OUTLET PIPE FROM DS 31-7 TO DS 31-4.	-					28.0	1.0	

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacbuffalo.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
MISCELLANEOUS TABLES

CONTRACT NUMBER:
TAN 26-14

DATE:
DEC. 2025

DRAWING NUMBER:
MT-13

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

DRAINAGE TABLE PAGE 10 OF 10

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 31-8	R1 1+27.00 115.0' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN AND PERFORM VIDEO INSPECTION OF 110 LF OF PIPE FROM DS 31-8 TO DS 31-11.	-					110.0	1.0	110.0
DS 31-9	R1 1+45.96 118.7' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 63 LF OF OUTLET PIPE FROM DS 31-9 TO DS 31-6.	-					63.0	1.0	
DS 31-10	R1 1+32.21 74.6' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 47 LF OF OUTLET PIPE FROM DS 31-10 TO DS 31-9.	-					47.0	1.0	
DS 31-11	-	REFER TO DS 31-8.	-							
DS 32-1	ML 219+99.03 50.0' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	581.89				1.0			
DS 32-2	ML 220+71.68 3.1' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 29 LF OF OUTLET PIPE FROM 32-2 TO 32-4. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	580.38	1.0		1.0		29.0		
DS 32-3	ML 220+72.05 3.2' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	580.33	1.0						
DS 32-4	ML 221+00.70 2.8' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 72 LF OF OUTLET PIPES FROM DS 32-4 TO DS 32-10. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	580.35	1.0		1.0		72.0		
DS 32-5	ML 221+01.03 3.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	580.33	1.0						
DS 32-6	ML 221+69.01 3.2' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 68 LF OF OUTLET PIPE FROM DS 32-6 TO 32-4. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	580.45	1.0		1.0		68.0		
DS 32-7	ML 221+69.26 3.3' RT	RECONSTRUCT ROOF SLAB. ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	580.48	1.0	1.0					
DS 32-8	ML 223+71.78 54.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	581.98				1.0			
DS 32-9	ML 224+10.99 2.7' RT	ADJUST FRAME AND GRATE TO FINISHED GRADE. INSTALL NEW PARALLEL BAR NO. 11PCB FRAME AND GRATE, ITEM 655.0902 AND CLEAN 68 LF OF OUTLET PIPE FROM DS 32-9 TO DS 32-13.	584.07	1.0				68.0		
DS 32-10	ML 220+66.76 61.3' LT	CLEAN AND PERFORM VIDEO INSPECTION OF 260 LF OF PIPE FROM DS 32-10 TO DS 31-8.	-					260.0		260.0
DS 32-11	ML 220+40.51 66.8' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 377 LF OF OUTLET PIPE FROM DS 32-11 TO DS 32-13.						377.0	1.0	
DS 32-12	ML 223+63.47 68.4' LT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 17 LF OF OUTLET PIPE FROM DS 32-12 TO DS 32-8.						17.0	1.0	
DS 32-13	ML 224+12.45 67.1' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 283 LF OF OUTLET PIPE FROM DS 32-13 TO DS 33-6.						283.0	1.0	
DS 33-1	ML 225+09.59 50.0' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE.	586.02				1.0			
DS 33-2	ML 226+83.77 48.4' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 49 LF OF OUTLET PIPE FROM DS 33-2 TO DS 33-4.	591.51				1.0	49.0		

DRAINAGE TABLE PAGE 10 OF 10 CONTINUED

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 621.03 (LF)	ITEM 621.04 (EA)	ITEM 634.07060001 (LF)
DS 33-3	ML 226+84.30 3.5' RT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE AND CLEAN 48 LF OF OUTLET PIPE FROM DS 33-3 TO DS 33-5.	592.08	1.0				48.0		
DS 33-4	ML 226+84.42 2.3' LT	ADJUST EXISTING FRAME AND GRATE TO PROPOSED FINISHED GRADE. REMOVE CONDUIT & PATCH WALL (SEE DETAIL ON DWG. MD-4)	591.92	1.0		1.0				
DS 33-5	ML 226+93.65 47.1' RT	CLEAN DRAINAGE STRUCTURE AND 35 LF OF OUTLET PIPE FROM DS 33-5 TO DS 33-6.	591.72					35.0	1.0	
DS 33-6	ML 226+93.51 85.9' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 99 LF OF OUTLET PIPE FROM DS 33-6 TO DS 33-7.	-					99.0	1.0	
DS 33-7	ML 227+92.50 69.5' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND CLEAN 50 LF OF OUTLET PIPE.	-					50.0	1.0	
TOTAL				144.0	1.0	74.0	89.0	33730.0	154.0	1304.0

DRAINAGE REMOVAL TABLE

DRAINAGE REMOVAL NO.	STATION / OFFSET (FT)	DESCRIPTION OF WORK	ITEM 204.01 (CY)	ITEM 206.0102 (CY)
DR 4-1	A 13+14.91 22.1' RT	REMOVE EXISTING DRAINAGE STRUCTURE AND PIPE CONNECTING TO DS 4-1.		8.3
DR 4-2	A 13+50	ABANDONED THE EXISTING PIPE BETWEEN DS 4-6 AND DR 4-1. FILL PIPE WITH CONTROLED LOW STRENGTH MATERIAL. SEE DETAIL ON MD-11	8.1	
TOTAL			8.1	8.3

ITEM	DESCRIPTION	UNITS
604.070501	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
604.070502	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - RECONSTRUCT ROOF SLAB	EA
604.070503	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - REMOVE CONDUIT & PATCH WALL	EA
604.070504	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES - ADJUST RIM	EA
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
634.07060001	VIDEO INSPECTION OF PIPELINES	LF

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY THE EXISTING PIPE INVERTS OF DS 4-6.

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-14

PROPOSED DRAINAGE INSTALLATION TABLE

DS #	STATION / OFFSET (FT)	DESCRIPTION OF WORK	PROP T.G. ELEV.	INVERTS N	INVERTS S	INVERTS E	INVERTS W	ITEM 203.07 (CY)	ITEM 206.0201 (CY)	ITEM 208.5201 (EA)	ITEM 552.17 (SF)	ITEM 603.6002 (LF)	ITEM 603.77 (EA)	ITEM 603.9818 (LF)	ITEM 604.300691 (LF)	ITEM 604.500501 (LF)	ITEM 655.0902 (EA)
DS 1-1	ML 23+31 2.9' RT	INSTALL PROPOSED 15" RCP OUTLET PIPE AND CONNECT EXISTING RCP WITH CONCRETE COLLARS. SEE MD-6 FOR DETAILS ON PIPE INSTALLATION WORK.	-					67.00	71.00			90.0	2.0				
DS 2-1	ML 28+01 6.0' LT	INSTALL NEW TYPE H DRAINAGE STRUCTURE AND INSTALL 5 LF OF 18" RCP PIPE FROM DS 2-1 TO DS 2-2. SEE MD-12 FOR DETAILS.	602.74				592.97	46.00	86.00		620.0		1.0	5.0		10.0	2.0
DS 2-2	ML 30+79 7.5' LT	INSTALL NEW TYPE H DRAINAGE STRUCTURE AND INSTALL 5 LF OF 18" RCP PIPE FROM DS 2-2 TO DS 2-1, 5 LF FROM DS 2-2 TO EXTSTING PIPE SOUTH, & 10 LF FROM DS 2-2 TO EXISTING PIPE NORTH. SEE MD-12 FOR DETAILS.	604.07	592.56	592.56	592.56		79.00	128.00		732.0		3.0	20.0		12.0	2.0
DS 4-1	A 12+70.85 20.3' RT	CLEAN EXISTING DRAINAGE STRUCTURE AND INSTALL 75 LF OF 18" SICPP OUTLET PIPE FROM DS 4-1 TO DS 4-2. COST TO CONNECT THE NEW PIPE TO STRUCTURE SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 603.9818	593.95	590.72				46.00	53.00					75.0			
DS 4-2	A 13+55.68 23.5' RT	INSTALL NEW TYPE F DRAINAGE STRUCTURE AND INSTALL 108 LF OF 18" SICPP OUTLET PIPE FROM DS 4-2 TO DS 4-6.	594.66		589.97		589.87	90.00	106.00		204.00			108.0	6.0		1.0
DS 4-6	C 6+96.40 39.4' RT	INSTALL NEW TYPE F DRAINAGE STRUCTURE. CONNECT EXISTING NE, NW, AND SW PIPES TO NEW STRUCUTRE. CLEAN AND PERFORM VIDEO INSPECTION OF 200 LF OF PIPELINE FROM DS 4-6 TO DS 3-6.	593.21	NOTE 1	587.00	588.79		15.00	23.00		257.00				7.0		1.0
DS 30-11	S 3+49.60 42.6' LT	INSTALL JELLYFISH MEMBRANE FILTRATION SYSTEM, MAODEL JFDD0808. (SEE DETAILS ON DWG. MD-12)								1.00							
TOTAL								343.0	467.0	1.0	1813.0	90.0	6.0	208.0	13.0	22.0	6.0

PROPOSED DRAINAGE & DRAINAGE REMOVAL ITEMS

ITEM	DESCRIPTION	UNITS
203.07	SELECT GRANULAR FILL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
208.5201	STORMWATER TREATMENT SYSTEM SWTD - MAXIMUM TREATMENT FLOW RA TE OVER 1.0 CFS UP TO 2.0 CFS	EA
552.17	SHIELDS AND SHORING	SF
603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	LF
603.77	CONCRETE COLLARS	EA
603.9818	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 18 INCH DIAMETER	LF
604.300691	RECTANGULAR DRAINAGE STRUCTURE TYPE F FOR PARALLEL BAR #11 PCB FRAME	LF
655.0902	PARALLEL BAR FRAME 11 PCB & PARALLEL BAR GRATE 11 PCB	EA

ITEM 655.0902 FOR DRAINAGE STRUCTURE ADJUSTMENTS

DS#	STATION	DESCRIPTION OF WORK	ITEM 655.0902 (EA)
DS 3-1	ML 36+42	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 3-2	ML 36+42	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 9-11	ML 73+48	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 9-12	ML 73+48	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 10-1	ML 75+89	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 10-2	ML 75+89	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 10-5	ML 78+51	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 10-6	ML 78+51	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 20-3	ML 147+91	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 20-4	ML 147+91	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 20-9	ML 151+05	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 20-10	ML 151+05	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 27-2	ML 190+12	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 27-3	ML 190+12	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 27-5	ML 193+62	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 27-7	ML 193+62	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
DS 32-9	ML 224+11	RESTORE TEMPORARY DRAINAGE ALTERATIONS	1.0
TOTAL			17.0

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY THE EXISTING PIPE INVERTS OF DS 4-6 & DS 30-11.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: MT-15

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

GUIDERAIL REMOVAL TABLE

LOCATION (STATION TO STATION)		LOCATION (M.P. TO M.P.)		SIDE	606.63	606.71	606.73	606.75	606.7510	606.7910	606.7920	606.7921	606.8103--25	654.0701
					LF	LF	LF	LF	LF	EA	EA	EA	EA	EA
MAINLINE														
ML 23+58	ML 24+18	900.372	900.383	LT	60.0									
ML 43+51	ML 45+05	900.747	900.776	RT			156.0				2.0			
ML 43+65	ML 46+03	900.766	900.811	LT			238.0				1.0	1.0		
ML 58+17	ML 58+99	901.041	901.060	RT			104.0	50.0			1.0			
ML 59+91	ML 61+14	901.094	901.117	LT			122.0	48.0			1.0			
ML 71+19	ML 72+53	901.286	901.312	RT			140.0				2.0			
ML 78+55	ML 80+11	901.452	901.481	LT			158.0				2.0			
ML 82+99	ML 85+04	901.508	901.547	RT			175.0				1.0			
ML 86+67	ML 98+33	901.605	901.827	LT		1082.0							2.0	
ML 107+21	ML 119+98	901.967	902.217	RT		1153.0							2.0	
ML 108+69	ML 118+27	902.020	902.199	LT		869.0							2.0	
ML 121+43	ML 124+44	902.260	902.292	LT		245.0							1.0	
ML 123+16	ML 128+34	902.274	902.368	RT		447.0				1.0			1.0	
ML 132+96	ML 141+14	902.543	902.590	RT		610.0							2.0	
ML 133+17	ML 134+99	902.462	902.496	LT			183.0				1.0			
ML 138+78	ML 141+28	902.566	902.613	LT		216.0					1.0			
ML 142+75	ML 152+75	902.642	902.831	RT		884.0							2.0	
ML 144+79	ML 152+74	902.680	902.831	LT		608.0							2.0	
ML 165+68	ML 168+48	903.076	903.128	RT			245.0							
ML 169+74	ML 178+39	903.138	903.302	LT			798.0							
ML 179+20	ML 186+50	903.338	903.469	RT			688.0							
ML 188+12	ML 195+47	903.500	903.624	LT			673.0							
ML 197+08	ML 202+67	903.655	903.761	LT			495.0							
ML 204+38	ML 211+07	903.793	903.938	LT		620.0				1.0			1.0	
ML 213+65	ML 220+81	903.981	904.117	RT			739.0		100.0			1.0		
ML 220+85	ML 222+32	904.122	904.144	LT					54.0					

GUIDERAIL REMOVAL TABLE - CONTINUED

LOCATION (STATION TO STATION)		LOCATION (M.P. TO M.P.)		SIDE	606.63	606.71	606.73	606.75	606.7510	606.7910	606.7920	606.7921	606.8103--25	654.0701
					LF	LF	LF	LF	LF	EA	EA	EA	EA	EA
RAMPS														
INTERCHANGE 1														
C1 11+26	C 8+02	-	-	LT				259.0						
INTERCHANGE 2														
G 1+62	G 3+36	-	-	RT			175.0				2.0			
H 9+40	H 11+12	-	-	RT			171.0				1.0			
INTERCHANGE 3														
J 3+36	J 9+87	-	-	LT		663.0				1.0				1.0
J 4+90	ML 131+74	-	-	RT		831.0				1.0			1.0	
K 2+85	ML 131+47	-	-	RT		562.0				1.0			1.0	
INTERCHANGE 4														
ML 163+33	L1 3+52	-	-	LT		551.0	146.0			1.0			1.0	
ML 168+26	L1 4+79	-	-	RT		445.0				1.0			1.0	
N 1+01	N 2+14	-	-	RT			112.0				1.0			
O 2+13	ML 177+22	-	-	RT		808.0				1.0			1.0	
INTERCHANGE 5														
ML 204+23	P 2+83	-	-	RT			247.0				1.0			
TOTAL					60.0	10594.0	5765.0	357.0	154.0	8.0	17.0	2.0	20.0	1.0

ITEM	DESCRIPTION	UNITS
606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.75	REMOVING AND DISPOSING CONCRETE BARRIER	LF
606.7510	REMOVING AND DISPOSING CONCRETE BARRIER - HALF SECTION	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8103--25	REMOVE AND DISPOSE GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION) INCLUDING TRANS ANCHORAGE	EA
654.0701	REMOVE AND DISPOSE IMPACT ATTENUATOR SYSTEMS	EA

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-16

ITEM	DESCRIPTION	UNITS
606.10	BOX BEAM GUIDE RAILING	LF
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)	LF
606.1001--25	BOX BEAM GUIDE RAILING (ATTACHED TO CONCRETE BARRIER)	LF
606.120101	BOX BEAM END PIECE	EA
606.120102	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.26500108	SPECIAL TRANSITION - 42" SINGLE-SLOPE CONCRETE MEDIAN BARRIER TO VERTICAL FACE BLOCK	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNIT FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3041	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (OPTIONAL)	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.3061	SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (OPTIONAL)	LF
606.3062	SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.57	RESETTING PRECAST CONCRETE BARRIER	LF
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8806	TRANSITION BETWEEN BOX BEAM GUIDE RAIL TO FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8901	TRANSITION - HPBO (MOD.) CORRUGATED BEAM GUIDE RAIL TO BOX BEAM GUIDE RAIL	EA
606.9001	TRANSITION BETWEEN STANDARD (NJ) CONCRETE BARRIER AND SINGLE-SLOPE CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE-SLOPE CONCRETE BARRIER	EA
654.51350015	MASH-COMPLIANT REUSABLE IMPACT ATTENUATOR, TL 3, 25FT OBSTRUCTION WIDTH	EA

GUIDERAIL INSTALLATION TABLE

LOCATION (STATION TO STATION)		LOCATION (M.P. TO M.P.)		SIDE	606.10	606.100002	606.1001--25	606.120101	606.120102	606.1203	606.26500108	606.2701	606.2703	606.3041	606.3042	606.3061	606.3062	606.53	606.57	606.59200125	606.8803	606.8806	606.8901	606.9001	606.9003	654.51350015
					LF	LF	LF	EA	EA	EA	EA	LF	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA
MAINLINE																										
ML 23+58	ML 24+18	900.372	900.383	LT														60.0								
ML 39+65	ML 40+63	900.683	900.702	NB MEDIAN			98.0																			
ML 42+42	ML 44+62	900.735	900.767	RT	144.0			1	1																	
ML 52+00	ML 59+66	900.914	901.070	RT	595.0				1								68.0				1					
ML 53+87	ML 56+17	900.963	901.002	LT	154.0			2	1																	
ML 58+88	ML 59+78	901.056	901.073	NB MEDIAN			90.0																			
ML 59+29	ML 60+24	901.081	901.099	SB MEDIAN			95.0																			
ML 59+43	ML 63+60	901.084	901.170	LT	278.0					1							68.0				1					
ML 76+60	ML 78+71	901.383	901.423	RT	144.0			1	1																	
ML 77+84	ML 80+03	901.477	901.479	LT	147.0			2	1																	
ML 81+44	ML 85+04	901.478	901.546	RT	278.0					1											1					
ML 83+28	ML 84+05	901.541	901.555	LT														70.0		1.0						
ML 87+23	ML 97+78	901.605	901.826	LT								1062.0									2		2			
ML 107+78	ML 119+41	901.967	902.216	RT								1157.0									2		2			
ML 109+26	ML 117+71	902.020	902.199	LT								850.0									2		2			
ML 121+99	ML 124+54	902.259	902.294	LT								258.0									1		1			1
ML 123+74	ML 128+34	902.272	902.367	RT								425.0	1								1		1			
ML 133+52	ML 140+58	902.455	902.611	RT								706.0									2		2			
ML 133+17	ML 136+77	902.459	902.530	LT	278.0					1											1					
ML 138+78	ML 141+28	902.566	902.613	LT	216.0			1													1					
ML 143+31	ML 152+19	902.566	902.830	RT								887.0									2		2			
ML 143+65	ML 152+18	902.658	902.830	LT								683.0							82.0		3		2			
ML 154+29	ML 154+95	902.859	902.872	RT														66.0								
ML 165+68	ML 168+48	903.076	903.128	RT	245.0																1					
ML 169+74	ML 178+39	903.138	903.302	LT	802.0																2					
ML 179+14	ML 186+56	903.336	903.470	RT	688.0																2					
ML 179+76	ML 180+35	903.328	903.340	LT														59.0								
ML 186+06	ML 186+57	903.461	903.470	LT														51.0								
ML 188+09	ML 188+67	903.500	903.511	RT			15											58.0								
ML 188+12	ML 195+47	903.500	903.624	LT	673.0																2					
ML 194+83	ML 195+30	903.630	903.638	RT														47.0								
ML 197+08	ML 202+67	903.655	903.761	LT	495.0																2					
ML 204+23	P 2+38	903.793	-	RT	79.0	131.0		1													1					
ML 204+38	R 8+14	903.788	-	LT	669.0				1												1					
ML 213+65	ML 222+25	903.980	904.137	RT	629.0					1						100.0					2					
ML 221+38	ML 222+32	904.138	904.144	LT							1				20.0						1				1	
SUBTOTAL - MAINLINE					6514.0	131.0	298.0	8.0	6.0	4.0	1.0	6028.0	1.0	0.0	20.0	100.0	136.0	411.0	82.0	1.0	34.0	0.0	14.0	0.0	1.0	1.0

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-17

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

GUIDERAIL INSTALLATION TABLE - CONTINUED

LOCATION (STATION TO STATION)		LOCATION (M.P. TO M.P.)		SIDE	606.10	606.100002	606.1001--25	606.120101	606.120102	606.1203	606.26500108	606.2701	606.2703	606.3041	606.3042	606.3061	606.3062	606.53	606.57	606.59200125	606.8803	606.8806	606.8901	606.9001	606.9003	654.51350015
					LF	LF	LF	EA	EA	EA	EA	LF	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA
INTERCHANGE 1																										
A 11+03	A 14+93	-	-	LT	18.0					1				280								1		1		
INTERCHANGE 2																										
H 8+51	H 11+12	-	-	RT	230.0			1	1																	
INTERCHANGE 3																										
J 3+26	J 9+87	-	-	LT								643.0	1													
J 4+90	ML 131+74	-	-	RT								802.0	1								1		1			
K 2+43	ML 131+47	-	-	RT	564.0				1												1					
INTERCHANGE 4																										
ML 163+33	L1 3+16	903.03	-	LT	266.0	380.0			1												1					
M 1+05	L1 4+79	-	-	RT	206.0	224.0		1													1					
N 1+01	N 2+23	-	-	RT	6.0							13.0	1								1		1			
01 1+43	ML 177+27	-	-	RT	282.0	523.0			1												1					
SUBTOTAL - INTERCHANGES					1572.0	1127.0	0.0	2.0	4.0	1.0	0.0	1458.0	3.0	280.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.0	2.0	1.0	0.0	0.0
TOTAL - ALL GUIDE RAIL					8086.0	1258.0	298.0	10.0	10.0	5.0	1.0	7486.0	4.0	280.0	20.0	100.0	136.0	411.0	82.0	1.0	40.0	1.0	16.0	1.0	1.0	1.0

MEDIAN BARRIER REMOVAL TABLE

LOCATION (STATION TO STATION)		LOCATION (M.P. TO M.P.)•		SIDE	606.75	654.0701
					LF	EA
MAINLINE						
ML 27+00	ML 30+80	900.497	900.514	LT	380.0	
ML 31+80	ML 37+20	900.511	900.625	LT	588.0	1.0
ML 37+19	ML 37+39	900.635	900.639	-		1.0
ML 72+40	ML 79+80	901.309	901.444	-	740.0	
ML 147+10	ML 152+30	902.727	902.822	-	520.0	
ML 189+15	ML 194+10	903.519	903.615	-	495.0	
ML 221+70	ML 226+35	904.134	904.240	-	465.0	
TOTAL					3188.0	2.0

MEDIAN BARRIER INSTALLATION TABLE

LOCATION (STATION TO STATION)		LOCATION (M.P. TO M.P.)•		SIDE	606.3042	606.90000011	654.51300015
					LF	LF	EA
MAINLINE							
ML 24+37	ML 30+80	900.497	900.514	LT	640.0		
ML 31+00		900.454		LT			1.0
ML 31+50		900.463		LT			1.0
ML 31+70	ML 37+19	900.511	900.625	LT	541.0		
ML 72+40	ML 79+80	901.309	901.444	-	700.0	40.0	
ML 147+10	ML 152+30	902.727	902.822	-	480.0	40.0	
ML 189+15	ML 194+10	903.519	903.615	-	455.0	40.0	
ML 221+70	ML 226+35	904.134	904.240	-	425.0	40.0	
TOTAL					3241.0	160.0	2.0

• M.P. LOCATION BASED ON SOUTHBOUND M.P.'S

ITEM	DESCRIPTION	UNITS
606.10	BOX BEAM GUIDE RAILING	LF
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)	LF
606.1001--25	BOX BEAM GUIDE RAILING (ATTACHED TO CONCRETE BARRIER)	LF
606.120101	BOX BEAM END PIECE	EA
606.120102	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.26500108	SPECIAL TRANSITION - 42" SINGLE-SLOPE CONCRETE MEDIAN BARRIER TO VERTICAL FACE BLOCK	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNIT FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3041	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (OPTIONAL)	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.3061	SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (OPTIONAL)	LF
606.3062	SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.57	RESETTING PRECAST CONCRETE BARRIER	LF
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.75	REMOVING AND DISPOSING CONCRETE BARRIER	LF
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8806	TRANSITION BETWEEN BOX BEAM GUIDE RAIL TO FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8901	TRANSITION - HPBO (MOD.) CORRUGATED BEAM GUIDE RAIL TO BOX BEAM GUIDE RAIL	EA
606.9001	TRANSITION BETWEEN STANDARD (NJ) CONCRETE BARRIER AND SINGLE-SLOPE CONCRETE BARRIER	EA
606.90000011	CONCRETE MEDIAN BARRIER TRANSITION (CAST IN PLACE)	LF
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE-SLOPE CONCRETE BARRIER	EA
654.0701	REMOVE AND DISPOSE IMPACT ATTENUATOR SYSTEMS	EA
654.51300015	MASH-COMPLIANT REUSABLE IMPACT ATTENUATOR, TL 3 < 2 FT OBSTRUCTION WIDTH	EA
654.51350015	MASH-COMPLIANT REUSABLE IMPACT ATTENUATOR, TL 3 > 5FT OBSTRUCTION WIDTH	EA

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR
092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 - www.chacobl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-18

SIGN REMOVAL TABLE

LOCATION	STATION	SIDE	DESCRIPTION	ITEM 647.20	ITEM 647.21	ITEM 647.51	ITEM 647.52	ITEM 647.53	ITEM 647.61	ITEM 647.62	ITEM 647.65
1-1	ML 22+42	RT	EXIT 1/S OGDEN ST/DINGENS ST					1			2
1-2	ML 23+53	LT	I-90 INTERCHANGE SPLIT		1						
1-3	ML 32+83	RT	EXIT 1			1					
1-4	ML 32+21	RT	RAMP 20 MPH			1					
2-1	ML 37+42	CENTER	NO U-TURN						1		
2-2	ML 37+61	LT	EXIT 1							1	
2-3	ML 37+61	RT	MERGE ARROW						1		
3-1	ML 43+18	LT	RT CURVE / EXIT 30 MPH						1		
3-2	ML 44+64	-	I-90 INTERCHANGE SPLIT		1						
3-3	ML 50+85	LT	EMERGENCY STOPPING ONLY						1		
3-4	ML 51+87	RT	I-190 NORTH						1		
3-5	ML 55+15	RT	DESTINATION SIGN				1				2
4-1	ML 57+83	RT	STATE SPEED LIMIT 55						1		
4-2	ML 63+39	RT	EMERGENCY STOPPING ONLY						1		
4-3	ML 64+24	LT	STATE SPEED LIMIT 55						1		
4-4	ML 66+50	RT	BUCKLE UP						1		
5-1	ML 72+29	LT	MERGE ARROW						1		
5-2	ML 72+17	RT	EXIT 2	1							
5-3	ML 74+46	LT	LICENSE SUSPENDED						1		
5-4	ML 75+84	RT	EXIT 40 MPH						1		
5-5	ML 77+12	LT	EXIT 2							1	
5-6	ML 78+88	LT	EXIT 2		1						
5-7	ML 78+88	LT	EXIT 1 ADVANCE					1			
5-8	ML 79+78	RT	EXIT 2							1	
5-9	ML 81+41	LT	RT CURVE / EXIT 20 MPH						1		
5-10	ML 83+77	LT	EXIT 2	1							
5-11	ML 83+77	LT	FINES DOUBLED			1					
6-1	ML 91+89	RT	RT CURVE / 50 MPH ADVISORY						1		
6-2	ML 95+92	RT	MERGE ARROW						1		
7-1	ML 108+88	LT	LT CURVE / 40 MPH ADVISORY						1		
7-2	ML 110+79	LT	EMERGENCY STOPPING ONLY						1		
7-3	ML 110+59	RT	I-190 NORTH						1		
8-1	ML 118+38	RT	RT CURVE			1					
8-2	ML 118+38	RT	EXIT 4 ADVANCE	1							
8-3	ML 124+43	LT	EXIT 3							1	
8-4	ML 126+23	LT	EXIT 3		1						
8-5	ML 126+23	LT	EXIT 2 ADVANCE					1			
8-6	ML 126+23	LT	EXIT 30 MPH			1					
9-1	ML 127+25	RT	MERGE ARROW						1		
9-2	ML 131+57	LT	EXIT 2	1							
9-3	ML 131+57	LT	LT CURVE / 50 MPH ADVISORY			1					
9-4	ML 140+04	RT	STATE SPEED LIMIT 55						1		
10-1	ML 144+78	RT	I-190 NORTH						1		
10-2	ML 147+86	RT	EMERGENCY STOPPING ONLY						1		
10-3	ML 152+11	LT	I-190 SOUTH						1		
12-1	ML 165+70	LT	MERGE ARROW						1		
12-2	ML 166+60	LT	EXIT 4							1	
12-3	ML 168+15	LT	EXIT 4		1						
12-4	ML 168+15	LT	EXIT 3 ADVANCE					1			
12-5	ML 168+15	LT	RT CURVE / 20 MPH ADVISORY			1					
12-6	ML 168+16	RT	LICENSE SUSPENDED			1					
12-7	ML 170+87	RT	RT CURVE / 25 MPH ADVISORY			1					
12-8	ML 170+87	RT	EXIT 5 ADVANCE		1						
12-9	ML 170+87	RT	EXIT 4					1			
12-10	ML 172+26	RT	EXIT 4							1	

SIGN REMOVAL TABLE CONTINUED

LOCATION	STATION	SIDE	DESCRIPTION	ITEM 647.20	ITEM 647.21	ITEM 647.51	ITEM 647.52	ITEM 647.53	ITEM 647.61	ITEM 647.62	ITEM 647.65
13-1	ML 174+04	RT	MERGE ARROW			1					
13-2	ML 174+04	LT	EXIT 4		1						
13-3	ML 184+72	RT	I-190 NORTH						1		
14-1	ML 188+63	LT	EMERGENCY STOPPING ONLY						1		
14-2	ML 193+22	RT	EMERGENCY STOPPING ONLY						1		
14-3	ML 194+79	LT	BUCKLE UP						1		
14-4	ML 198+98	RT	EXIT 5	1							
15-1	ML 201+98	LT	I-190 SOUTH						1		
15-2	ML 204+90	RT	EXIT 5		1						
15-3	ML 204+90	RT	EXIT 20 MPH			1					
15-4	ML 204+90	LT	STATE SPEED LIMIT 55			1					
15-5	ML 206+84	RT	EXIT 5							1	
15-6	ML 209+59	RT	MERGE ARROW						1		
15-7	ML 213+97	LT	MERGE ARROW						1		
16-1	ML 216+51	RT	DESTINATION SIGN					1			2
16-2	ML 218+28	LT	EXIT 5							1	
16-3	ML 220+62	RT	DESTINATION SIGN					1			2
16-4	ML 221+41	LT	EXIT 5					1			
16-5	ML 221+41	LT	EXIT 4 ADVANCE					1			
16-6	ML 222+02	LT	EXIT 25 MPH						1		
16-7	ML 223+46	LT	BUCKLE UP						1		
16-8	ML 224+93	RT	STATE SPEED LIMIT 55						1		

ITEM	DESCRIPTION	UNITS
647.20	REMOVAL OF CANTILEVER OVERHEAD SIGN PANEL(S), STRUCTURE, AND FOUNDATIONS	EA
647.21	REMOVAL OF SINGLE SPAN OVERHEAD SIGN PANEL(S), STRUCTURE, AND FOUNDATIONS	EA
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)	EA
647.52	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE II (30-100 SQUARE FEET)	EA
647.53	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE III (OVER 100 SQUARE FEET)	EA
647.61	REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)	EA
647.62	REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE II (30-100 SQUARE FEET)	EA
647.65	REMOVE AND DISPOSE TYPE B GROUND MOUNTED SIGN SUPPORT AND FOUNDATION	EA

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
EXCELSIOR
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

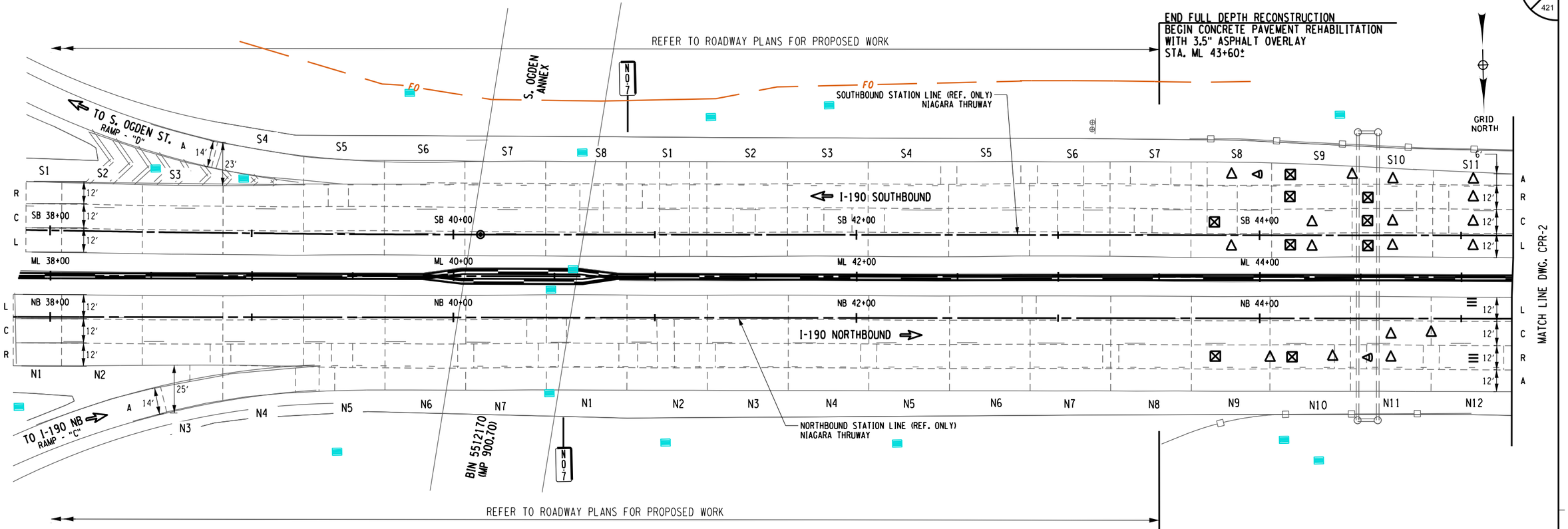
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: MT-19



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-1.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	SLAB NUMBER	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
900.79	NB 45+06	N12L	12	8	12	
900.79	NB 45+06	N12R	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
900.76	NB 43+85	N9R	1	1	1.0	
900.77	NB 44+25	N10R	1	1	1.0	
900.76	SB 43+85	S8C	2	2	4.0	
900.76	SB 44+25	S9A	3	2	6.0	
900.76	SB 44+25	S9R	2	1	2.0	
900.76	SB 44+25	S9L	3	2	6.0	
900.77	SB 44+63	S10R	2	2	4.0	
900.77	SB 44+63	S10C	1	1	1.0	
900.77	SB 44+63	S10L	3	1	3.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

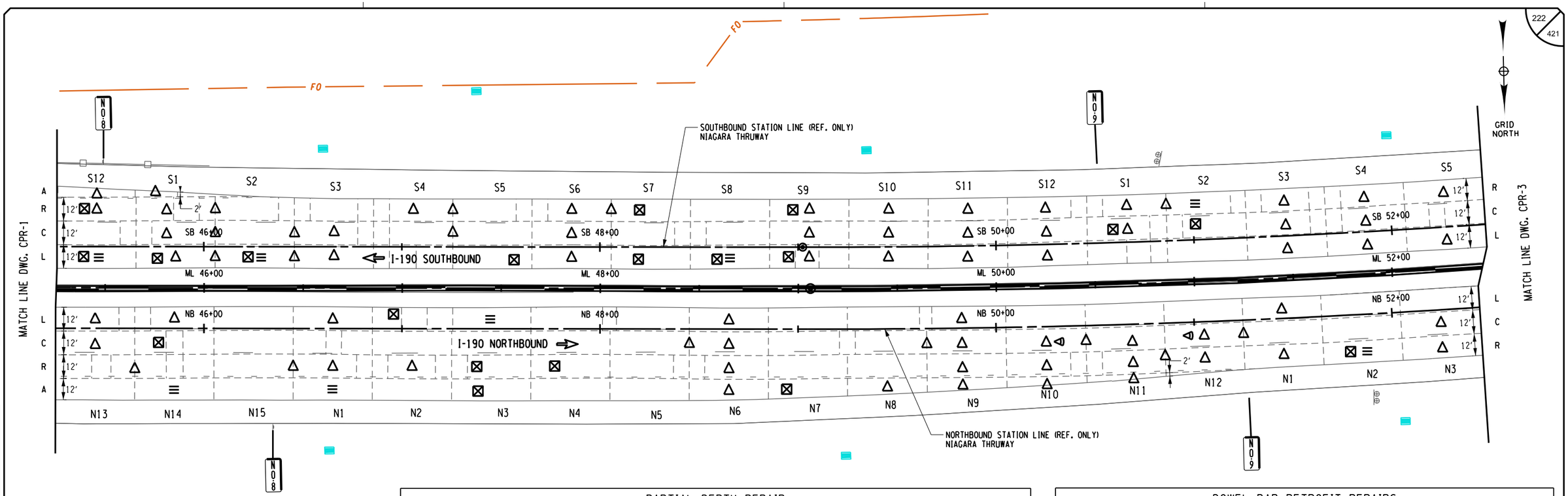
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-1

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-2.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
900.79	NB 45+85	N14R	1	1	1.0	
900.81	NB 47+04	N2L	3	1	3.0	
900.82	NB 47+45	N3A	3	1	3.0	
900.82	NB 47+45	N3R	1	1	1.0	
900.83	NB 47+84	N4R	1	1	1.0	
900.85	NB 49+04	N7A	1	1	1.0	
900.91	NB 51+84	N2C	1	1	1.0	
900.80	SB 45+43	S12R	2	2	4.0	
900.80	SB 45+44	S12L	3	1	3.0	2 SEPARATE REPAIRS (2'x 1' & 1'x 1')
900.81	SB 45+82	S1L	2	1	2.0	
900.81	SB 46+25	S2L	3	1	3.0	
900.84	SB 47+45	S5L	2.5	1	2.5	2 SEPARATE REPAIRS (1.5'x 1' & 1'x 1')
900.85	SB 48+26	S7R	2	1	2.0	
900.85	SB 48+26	S7L	3	1	3.0	2 SEPARATE REPAIRS (2'x 1' & 1'x 1')
900.86	SB 48+65	S8L	1	1	1.0	
900.87	SB 49+12	S9R	2	1.5	3.0	
900.87	SB 49+12	S9L	2	1	2.0	
900.90	SB 50+63	S1C	3	2	6.0	
900.91	SB 51+06	S2C	4	2	8.0	

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
900.80	NB 45+83	N14A	12	8	12	
900.81	NB 46+65	N1A	12	8	12	
900.82	NB 47+45	N3L	12	8	12	
900.91	NB 51+84	N2R	12	8	12	
900.80	SB 45+46	S12L	12	8	12	
900.81	SB 46+27	S2L	12	8	12	
900.86	SB 48+66	S8L	12	8	12	
900.91	SB 51+07	S2R	12	8	12	

LEGEND

- △ FULL DEPTH REPAIR
- ⊠ PARTIAL DEPTH REPAIR
- ≡ DOWEL BAR RETROFIT
- ◁ HINGE JOINT
- | CLEAN AND FILL CRACKS
- L LEFT LANE
- C CENTER LANE
- R RIGHT LANE
- A AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

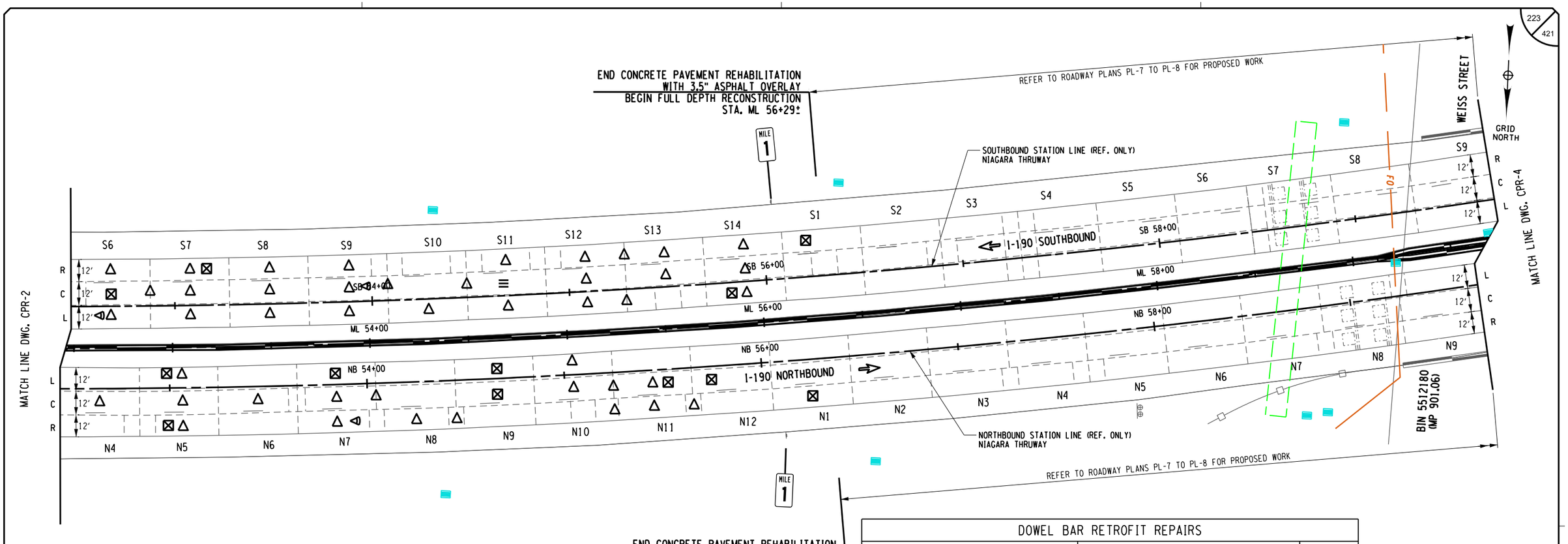
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-2

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-3.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
900.98	SB 54+69	S11C	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
900.93	NB 53+04	N5R	2	2	4.0	
900.93	NB 53+04	N5L	1	1	1.0	
900.95	NB 53+85	N7L	2	1	2.0	
900.96	NB 54+63	N9L	4	1	4.0	2 SEPARATE REPAIRS (3'x 1' & 1'x 1')
900.96	NB 54+63	N9C	5	1	5.0	2 SEPARATE REPAIRS (2'x 2' & 1'x 1')
900.98	NB 55+42	N11C	1	1	1.0	
900.99	NB 55+83	N12C	3	2	6.0	
901.00	NB 56+23	N1R	2	1	2.0	2 SEPARATE REPAIRS (1'x 1' & 1'x 1')
900.94	SB 52+67	S6C	3	2	6.0	
900.94	SB 53+10	S7R	2	1	2.0	
901.00	SB 55+88	S14L	1	1	1.0	
901.00	SB 56+30	S1R	1	1	1.0	
901.00	SB 56+30	S1C	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: DMARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

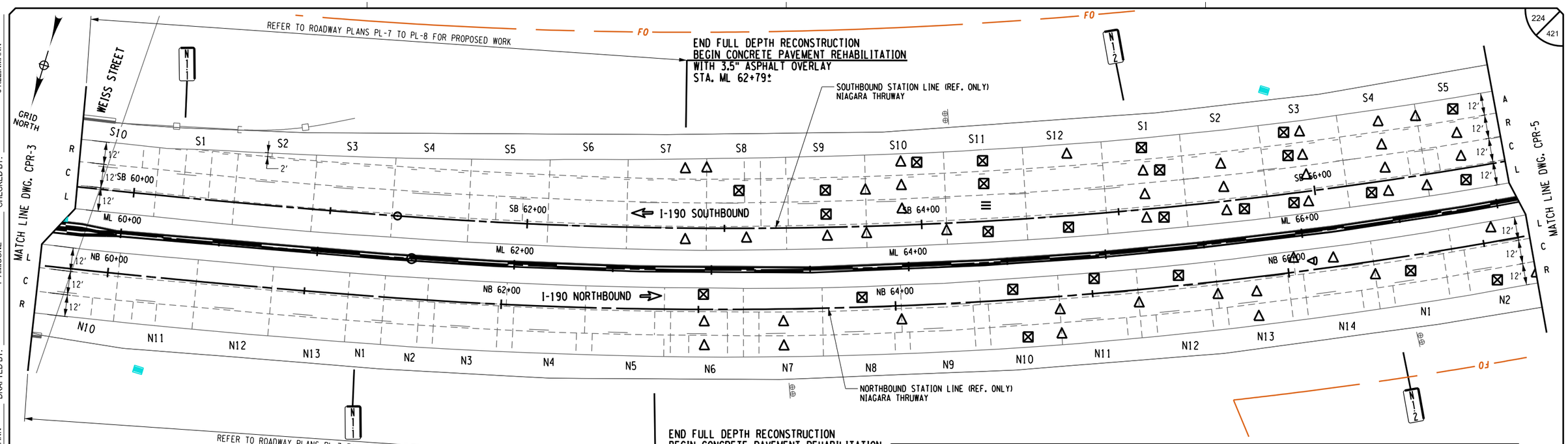
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-3



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-4.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
901.18	SB 64+33	S11C	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
901.03	NB 63+02	N6L	2	1	2.0	2 SEPARATE REPAIRS (1'x 1' & 1'x 1')
901.05	NB 63+83	N8L	12	1	12.0	5 SEPARATE REPAIRS ((4)-2'x 1' & 2'x 2')
901.06	NB 64+62	N10R	3	1	3.0	2 SEPARATE REPAIRS (2'x 1' & 1'x 1')
901.06	NB 64+62	N10L	1	1	1.0	
901.07	NB 65+02	N11L	1.5	1	1.5	
901.08	NB 65+42	N12L	1	1	1.0	
901.20	NB 66+63	N1C	2	2	4.0	
901.21	NB 67+05	N2R	2	2	4.0	
901.15	SB 62+70	S7C	2	1	2.0	2 SEPARATE REPAIRS (1'x 1' & 1'x 1')
901.15	SB 63+11	S8R	2	1	2.0	
901.16	SB 63+53	S9R	9	1	9.0	2 SEPARATE REPAIRS (8'x 1' & 1'x 1')
901.16	SB 63+53	S9C	3	1	3.0	
901.17	SB 63+93	S10A	1	1	1.0	2 SEPARATE REPAIRS (8'x 1' & 1'x 1')
901.18	SB 64+33	S11A	4	1	4.0	2 SEPARATE REPAIRS (2'x 1' & 2'x 1')
901.18	SB 64+33	S11R	3	1	3.0	2 SEPARATE REPAIRS (2'x 1' & 1'x 1')
901.18	SB 64+33	S11L	12	1	12.0	2 SEPARATE REPAIRS (10'x 1' & 2'x 1')
901.19	SB 64+73	S12L	22	1	22.0	2 SEPARATE REPAIRS (18'x 1' & (2)-2'x 1')
901.20	SB 65+14	S1A	2	1	2.0	
901.20	SB 65+14	S1R	2	2	4.0	
901.20	SB 65+14	S1L	2	1	2.0	
901.21	SB 65+55	S2L	5	1	5.0	
901.22	SB 65+95	S3A	3	1	3.0	
901.22	SB 65+95	S3R	1	1	1.0	
901.22	SB 65+95	S3L	1	1	1.0	
901.22	SB 66+36	S4L	5	1	5.0	2 SEPARATE REPAIRS (2.5'x 1' & 2.5'x 1')
901.23	SB 66+76	S5A	3	2	6.0	
901.23	SB 66+76	S5L	16	1	16.0	3 SEPARATE REPAIRS (5'x 1, 2.5'x 1' & 8.5'x 1')

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILIARY LANE

0 25 50 FEET
SCALE 1" = 50'

J KLEINMANN — DRAFTED BY:
P AMICONE — CHECKED BY:
D MARSH — DESIGNED BY:
J KLEINMANN — DESIGN SUPERVISOR:

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

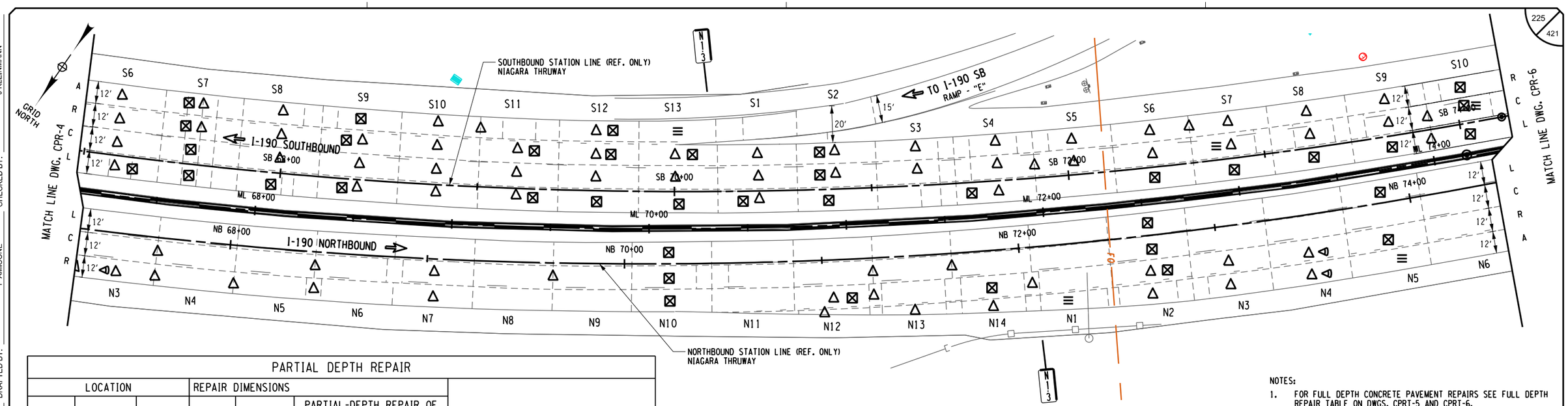
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS	DRAWING NUMBER: CPR-4



PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
901.27	NB 70+24	N10L	1	1	1.0	
901.27	NB 70+24	N10C	3	2	6.0	2 SEPARATE REPAIRS (2'x 1' & 2'x 2')
901.27	NB 70+24	N10R	1	1	1.0	
901.29	NB 71+06	N12L	1	1	1.0	
901.30	NB 71+83	N14R	4	1	4.0	2 SEPARATE REPAIRS (2'x 1' & 2'x 1')
901.31	NB 72+66	N2R	7	1	7.0	
901.31	NB 72+66	N2C	2	1	2.0	
901.31	NB 72+66	N2L	10	1	10.0	
901.33	NB 73+85	N5L	1	1	1.0	
901.33	NB 73+85	N5R	3	2	6.0	
901.24	SB 67+17	S6L	6	1	6.0	2 SEPARATE REPAIRS (4'x 1' & 6'x 1')
901.25	SB 67+57	S7A	1	1	1.0	
901.25	SB 67+57	S7R	1	1	1.0	
901.25	SB 67+57	S7C	5.5	1	5.5	2 SEPARATE REPAIRS (4.5'x 1' & 1'x 1')
901.25	SB 67+57	S7L	15	1	15.0	2 SEPARATE REPAIRS (10'x 1' & 5'x 1')
901.26	SB 67+98	S8L	36	1	36.0	3 SEPARATE REPAIRS (22'x 1, 13'x 1' & 1'x 1')
901.26	SB 68+38	S9A	3	1	3.0	
901.26	SB 68+38	S9R	13	1	13.0	2 SEPARATE REPAIRS (10'x 1' & 3'x 1')
901.26	SB 68+38	S9L	13	1	13.0	
901.28	SB 69+20	S11R	7	1	7.0	
901.28	SB 69+20	S11L	3	1	3.0	3 SEPARATE REPAIRS (1'x 1, 1'x 1' & 1'x 1')
901.29	SB 69+61	S12L	7	1	7.0	2 SEPARATE REPAIRS (3'x 2' & 1'x 1')
901.29	SB 69+61	S12R	6	1	6.0	
901.29	SB 69+61	S12A	2	1	2.0	
901.29	SB 70+02	S13L	16.5	1	16.5	MULTIPLE SIZE REPAIRS AND LOCATIONS

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
901.29	SB 70+02	S13R	1	1	1.0	
901.30	SB 70+42	S1L	5	1	5.0	3 SEPARATE REPAIRS (3'x 1, 1'x 1' & 1'x 1')
901.31	SB 70+82	S2R	1	1	1.0	
901.31	SB 70+82	S2C	1	1	1.0	
901.31	SB 70+82	S2L	9	1	9.0	2 SEPARATE REPAIRS (3'x 1' & 6'x 1')
901.33	SB 71+63	S4L	10	1	10.0	2 SEPARATE REPAIRS (10'x 1' & 1'x 1')
901.34	SB 72+43	S6L	17	1	17.0	MULTIPLE SIZE REPAIRS AND LOCATIONS
901.35	SB 72+83	S7L	5	1	5.0	
901.36	SB 73+23	S8L	1	1	1.0	
901.37	SB 73+65	S9L	1	1	1.0	
901.37	SB 74+05	S10R	1	1	1.0	
901.37	SB 74+05	S10C	1	1	1.0	
901.37	SB 74+05	S10L	2	1	2.0	

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
901.30	NB 71+98	N1A	9	6	9	
901.33	NB 73+85	N5A	12	8	12	
901.30	SB 70+01	S13A	12	8	12	
901.35	SB 72+82	S7C	12	8	12	
901.37	SB 74+04	S10C	12	8	12	

NOTES:
1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWGS. CPRT-5 AND CPRT-6.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: J KLEINMANN
CHECKED BY: P AMICONE
J KLEINMANN

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

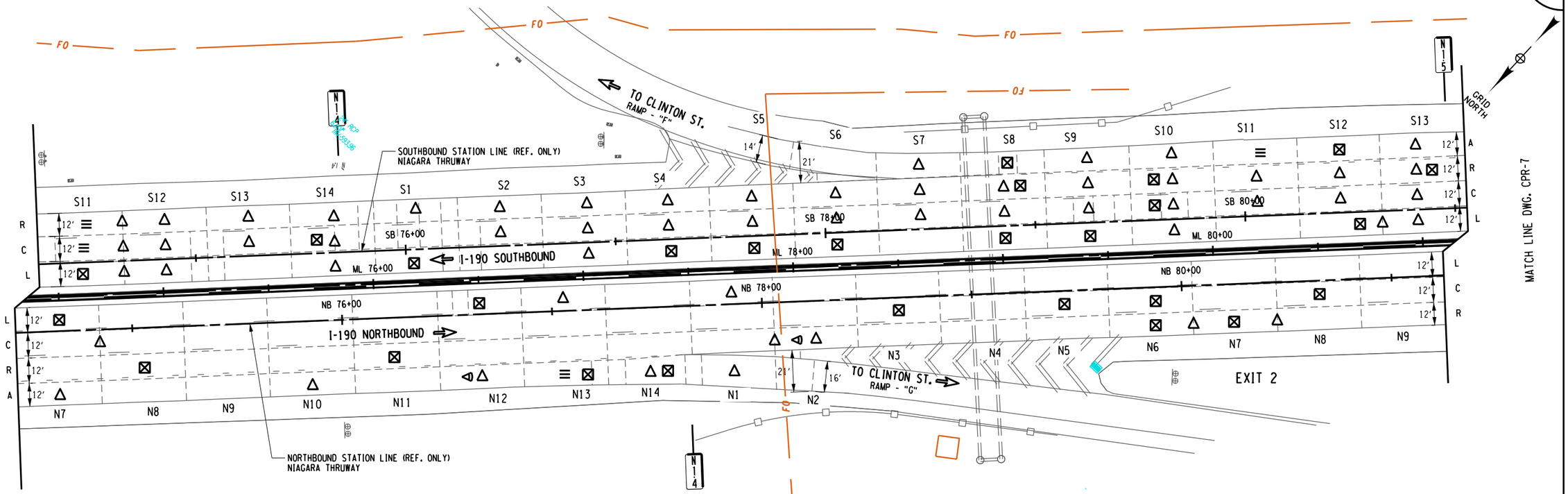
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacbe.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-5



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-7.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
901.35	NB 74+63	N7L	2	1	2.0	
901.36	NB 75+04	N8R	1	1	1.0	
901.38	NB 76+25	N11R	3	1	3.0	
901.39	NB 76+65	N12L	2	1	2.0	
901.39	NB 77+05	N13A	2	1	2.0	
901.40	NB 77+45	N14A	3	1	3.0	3 SEPARATE REPAIRS (1'x 1, 1'x 1' & 1'x 1')
901.42	NB 78+65	N3C	2	2	4.0	
901.43	NB 79+45	N5C	5	1	5.0	2 SEPARATE REPAIRS (2'x 2' & 1'x 1')
901.44	NB 79+85	N6C	1	1	1.0	
901.44	NB 79+85	N6R	1	1	1.0	
901.45	NB 80+24	N7R	1	1	1.0	
901.46	NB 80+64	N8C	1	1	1.0	
901.38	SB 74+43	S11L	1	1	1.0	
901.40	SB 75+67	S14C	1	1	1.0	
901.41	SB 76+06	S1L	5	1	5.0	
901.43	SB 77+25	S4L	1	1	1.0	
901.44	SB 77+65	S5L	5	1	5.0	
901.44	SB 78+05	S6L	1	1	1.0	
901.46	SB 78+85	S8L	2	1	2.0	
901.46	SB 78+85	S8R	2	2	4.0	
901.46	SB 78+85	S8A	2	1	2.0	
901.47	SB 79+26	S9L	3	1	3.0	
901.47	SB 79+64	S10C	7	1	7.0	2 SEPARATE REPAIRS (3'x 2' & 1'x 1')
901.47	SB 79+64	S10R	3	2	6.0	
901.49	SB 80+46	S12A	3	2	6.0	
901.49	SB 80+46	S12L	1	1	1.0	
901.50	SB 80+85	S13R	1	1	1.0	

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
901.39	NB 77+06	N13A	12	8	12	
901.38	SB 74+43	S11R	12	8	12	
901.38	SB 74+44	S11C	12	8	12	
901.48	SB 80+05	S11R	12	8	12	

LEGEND

- △ FULL DEPTH REPAIR
- ⊠ PARTIAL DEPTH REPAIR
- 〓 DOWEL BAR RETROFIT
- ◁ HINGE JOINT
- | CLEAN AND FILL CRACKS
- L LEFT LANE
- C CENTER LANE
- R RIGHT LANE
- A AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

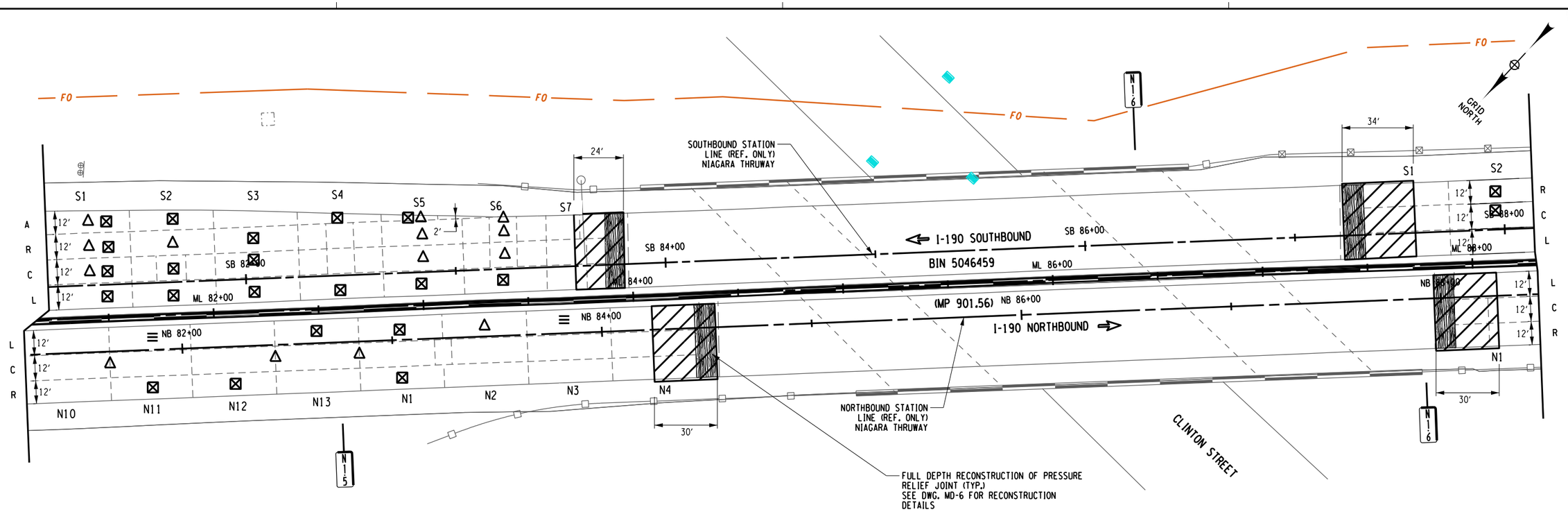
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS	DRAWING NUMBER: CPR-6



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-8.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
901.48	NB 81+85	N1L	12	8	12	
901.52	NB 83+84	N3L	12	8	12	
901.53	NB 84+25	N4L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
901.48	NB 81+85	N1R	1	1	1.0	
901.49	NB 82+23	N12R	1	1	1.0	
901.49	NB 82+64	N13L	1	1	1.0	
901.51	NB 83+04	N1L	3	1	3.0	
901.51	NB 83+04	N1R	1	1	1.0	
901.51	SB 81+26	S1A	2	2	4.0	
901.51	SB 81+26	S1R	2	1	2.0	
901.51	SB 81+26	S1C	2	1	2.0	
901.51	SB 81+26	S1L	5	3	15.0	
901.51	SB 81+64	S2C	12	1	12.0	
901.51	SB 81+64	S2L	4	1	4.0	2 SEPARATE REPAIRS (3'x 1' & 1'x 1')
901.51	SB 81+64	S2A	2	2	4.0	
901.52	SB 82+04	S3R	3	1	3.0	
901.52	SB 82+04	S3C	2	2	4.0	
901.52	SB 82+04	S3L	1	1	1.0	
901.53	SB 82+46	S4A	1	1	1.0	
901.53	SB 82+46	S4L	3	2	6.0	
901.54	SB 82+84	S5A	1	1	1.0	
901.54	SB 82+84	S5L	7	1	7.0	
901.54	SB 83+23	S6L	34	1	34.0	2 SEPARATE REPAIRS (30'x 1' & 4'x 1')
901.63	SB 87+95	S2R	7	1	7.0	
901.63	SB 87+95	S2C	12	1	12.0	2 SEPARATE REPAIRS (10'x 1' & 2'x 1')

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

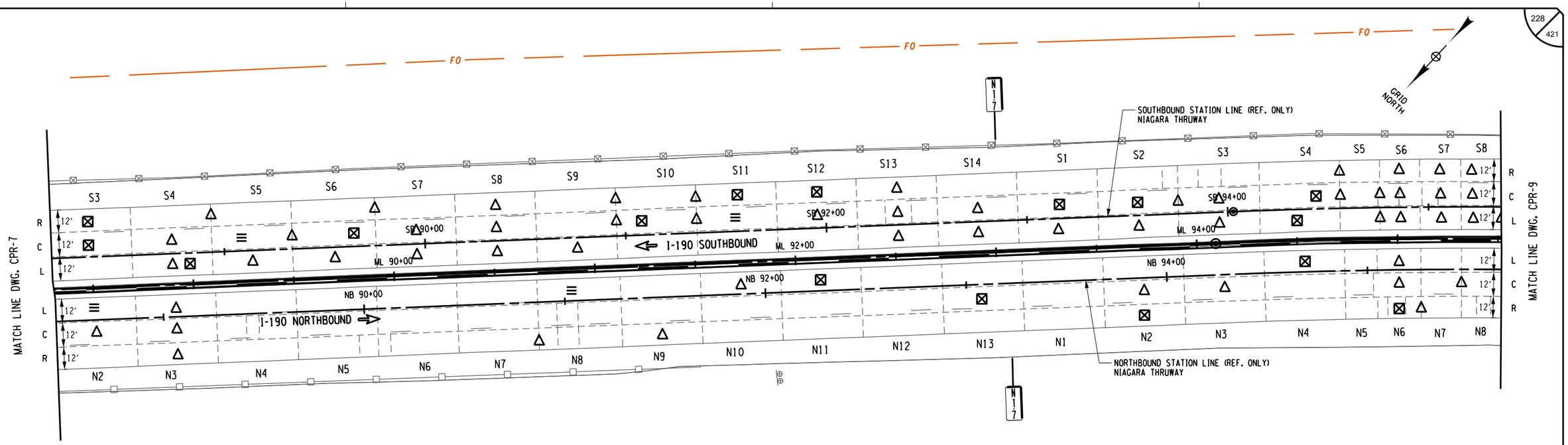
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
50 Corporate Park Drive
Suite 300, Albany, NY 12203-3722
518.453.4500 • www.chacbaltimore.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-7



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-9.

2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
901.68	NB 92+28	N11L	3	1	3.0	
901.70	NB 93+08	N13C	1	1	1	
901.71	NB 93+89	N2R	3	1	3	
901.73	NB 94+67	N4L	1	1	1	
901.74	NB 95+15	N6R	3	1	3	2 SEPARATE REPAIRS (2'x 1' & 1'x 1')
901.64	SB 88+33	S3R	5	1	5	2 SEPARATE REPAIRS (2'x 1' & 3'x 1')
901.64	SB 88+33	S3C	1	1	1	
901.65	SB 88+75	S4L	1	1	1	
901.66	SB 89+55	S6C	1	1	1	
901.69	SB 91+14	S10C	3	2	6	
901.70	SB 91+56	S11R	6	1	6	
901.71	SB 91+95	S12R	2	1	2	
901.71	SB 93+17	S1C	3	2	6	
901.71	SB 93+55	S2C	3	2	6	
901.73	SB 94+37	S4L	1	1	1	
901.73	SB 94+37	S4C	3	1	3	

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
901.61	NB 88+67	N2L	12	8	12	
901.66	NB 91+05	N8L	12	8	12	
901.65	SB 89+15	S5C	12	8	12	
901.70	SB 91+55	S11C	12	8	12	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
QUALITY CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

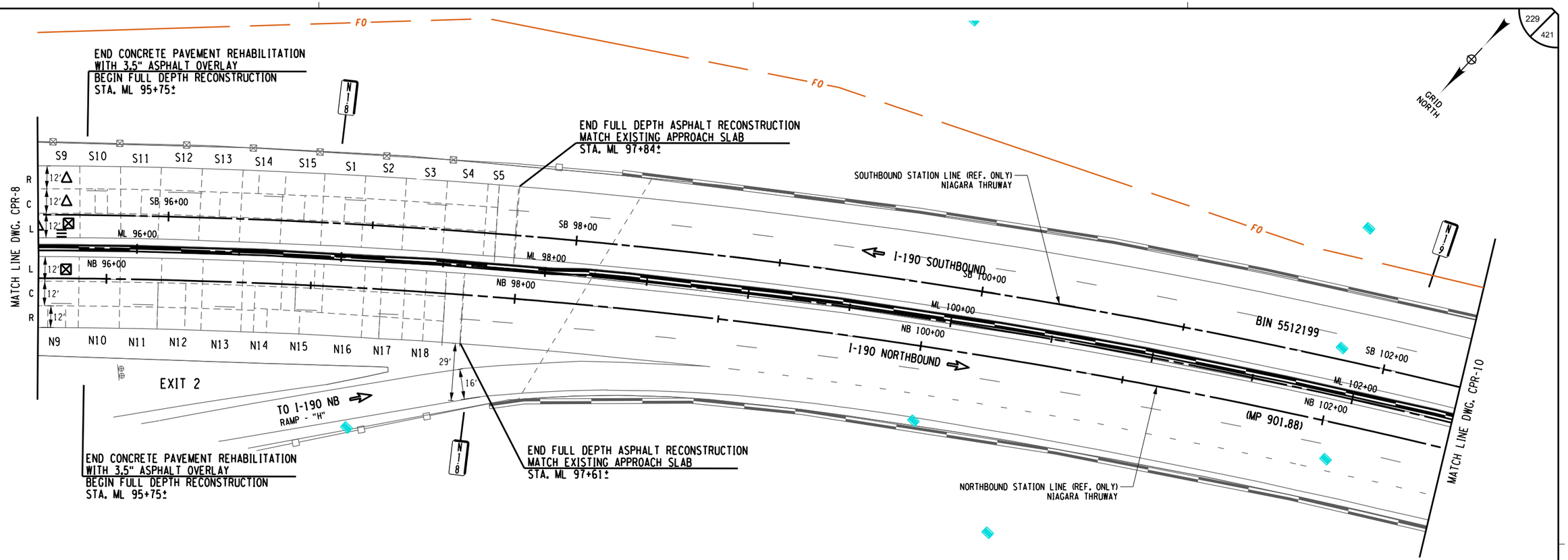
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-8



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-9.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
901.75	SB 95+47	S9L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
901.75	NB 95+76	N9L	2	1	2.0	
901.75	SB 95+47	S9L	2	2	4.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

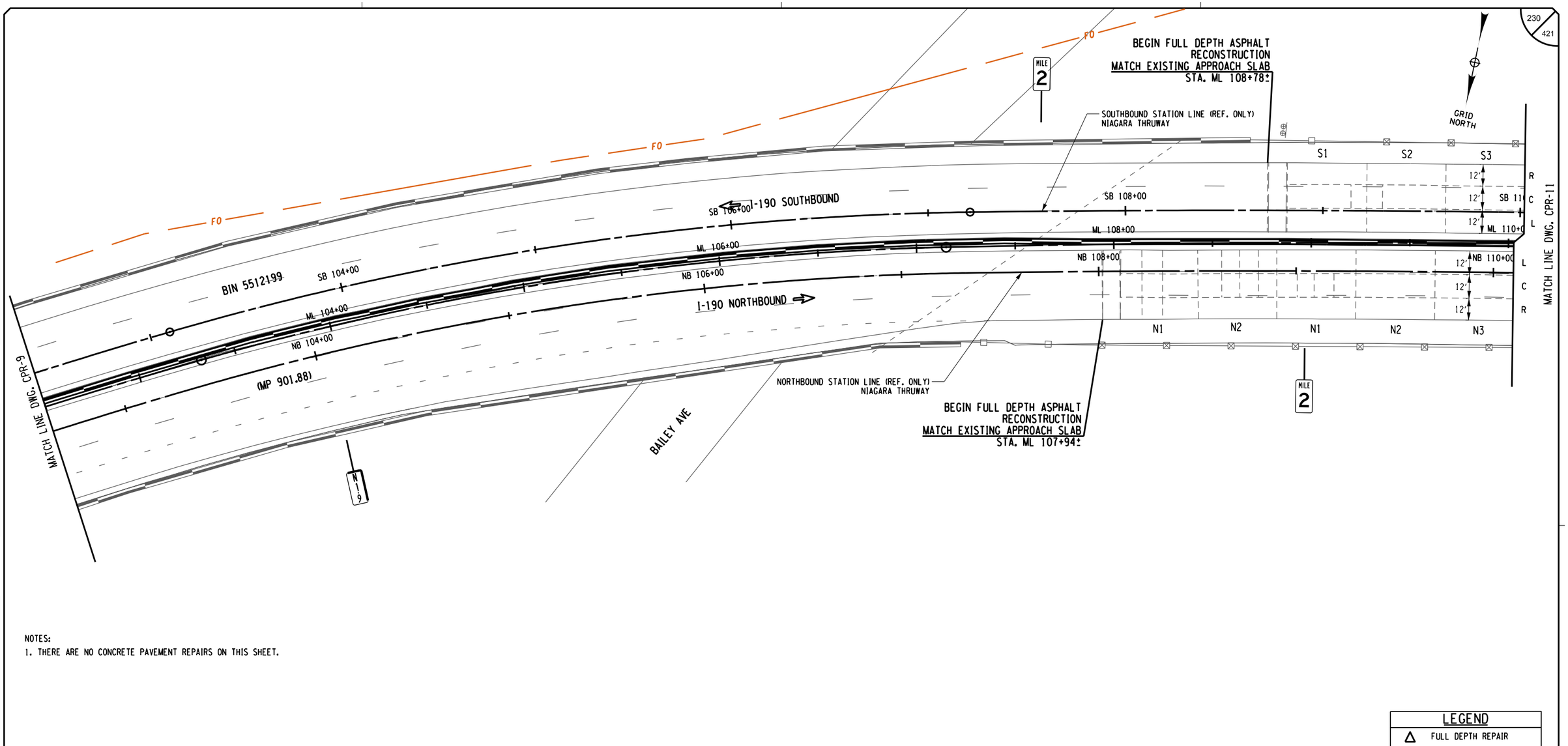
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-9



NOTES:
1. THERE ARE NO CONCRETE PAVEMENT REPAIRS ON THIS SHEET.

LEGEND	
△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

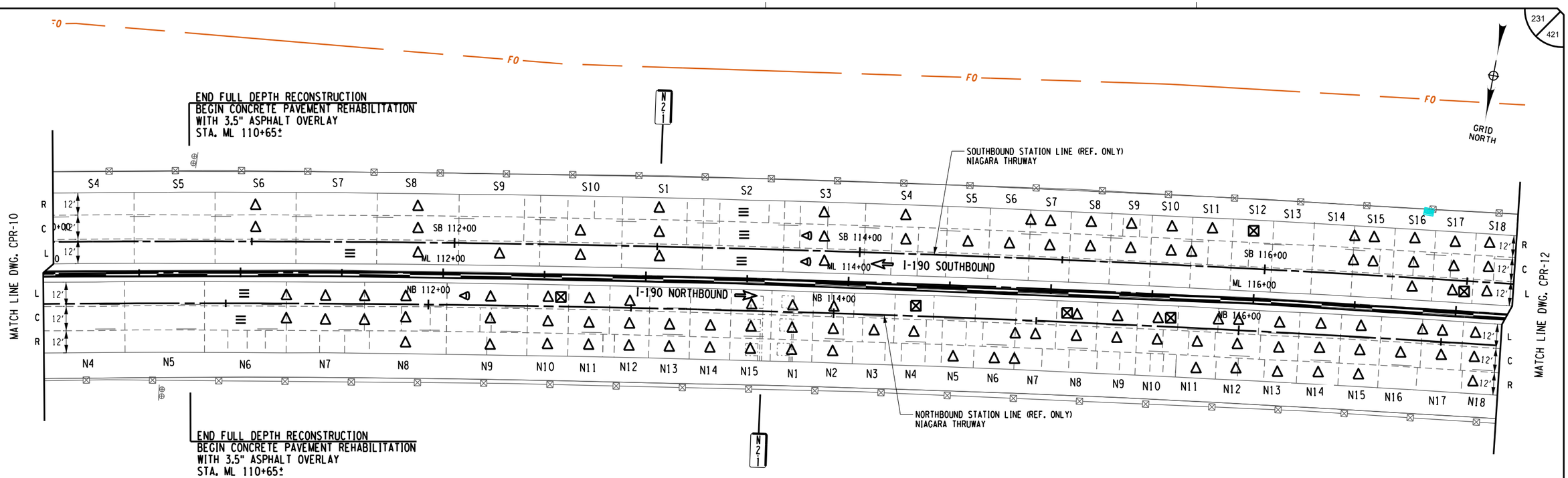
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-10



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWGS. CPRT-10 AND CPRT-11.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
902.04	NB 111+09	N6L	12	8	12	
902.04	NB 111+09	N6C	12	8	12	
902.07	SB 111+41	S7L	12	8	12	
902.11	SB 113+43	S2R	12	8	12	
902.11	SB 113+43	S2C	12	8	12	
902.11	SB 113+43	S2L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
902.06	NB 112+59	N10L	6	1	6.0	2 SEPARATE REPAIRS (5'x 1' & 1'x 1')
902.07	NB 113+19	N13L	1	1	1.0	
902.11	NB 114+40	N4L	1	1	1.0	
902.13	NB 115+18	N8L	5	1	5.0	2 SEPARATE REPAIRS (4'x 1' & 1'x 1')
902.14	NB 115+60	N10L	6	1	6.0	2 SEPARATE REPAIRS (4'x 1' & 2'x 1')
902.16	SB 116+04	S12R	1	1	1.0	
902.17	SB 117+05	S17L	2	1	2.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

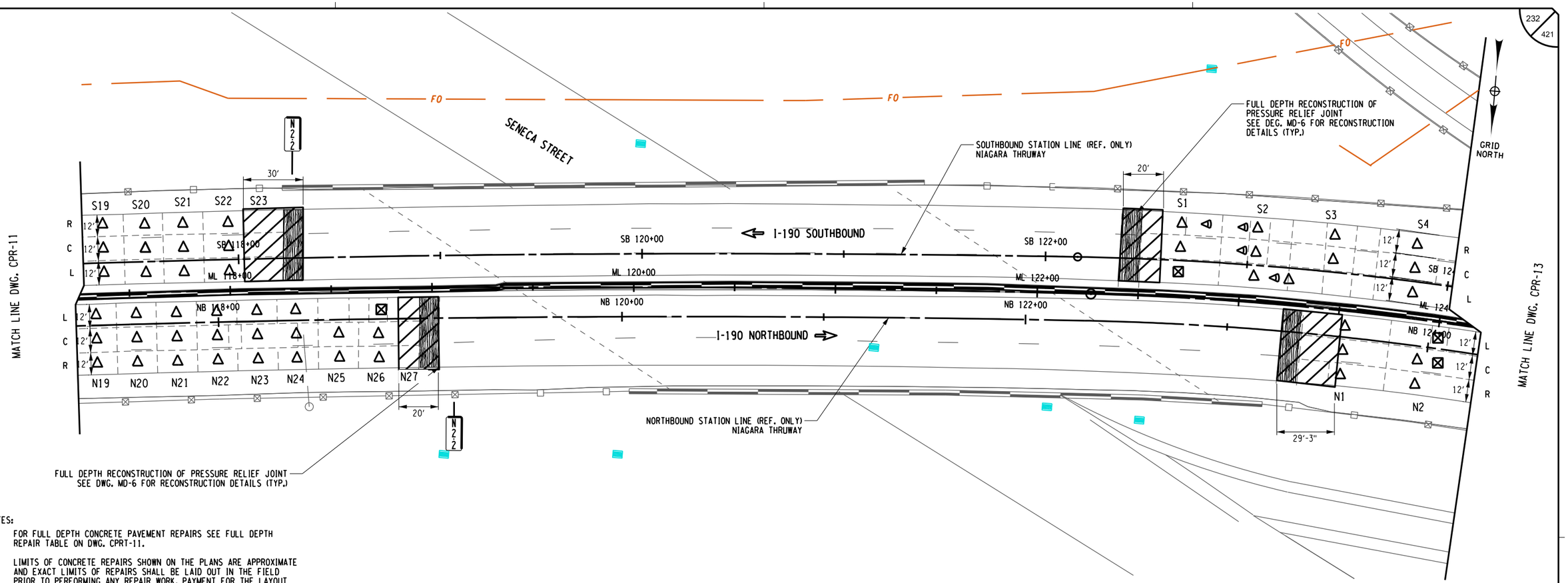
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleibnis.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-11



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-11.

2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
902.20	NB 118+79	N26L	1	1	1.0	
902.29	NB 124+03	N2L	1	1	1.0	
902.29	NB 124+03	N2C	2	1	2.0	
902.28	SB 122+66	S1L	7	1	7.0	2 SEPARATE REPAIRS (3'x 1' & 2'x 2')

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

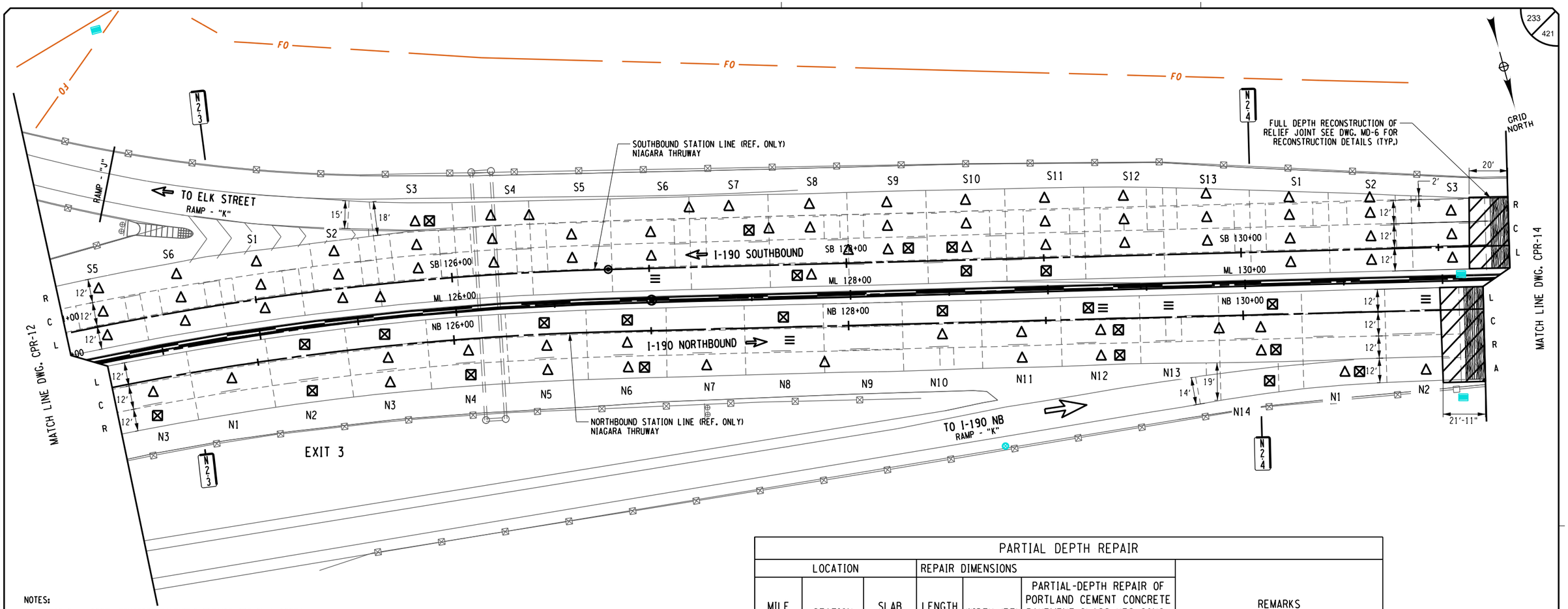
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS	DRAWING NUMBER: CPR-12



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-12.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
902.36	NB 127+67	N8C	12	8	12	
902.39	NB 129+35	N12L	12	8	12	
902.40	NB 129+66	N13L	12	8	12	
902.42	NB 130+93	N2L	12	8	12	
902.34	SB 127+03	S6L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
902.30	NB 124+45	N3R	8	1	8.0	
902.31	NB 125+25	N2L	9	1	9.0	2 SEPARATE REPAIRS (8'x 1' & 1'x 1')
902.31	NB 125+25	N2R	2	2	4.0	
902.32	NB 125+66	N3L	2	1	2.0	
902.33	NB 126+06	N4R	1	1	1.0	
902.33	NB 126+46	N5L	3	1	3.0	
902.34	NB 126+87	N6L	1	1	1.0	
902.34	NB 126+87	N6R	7	1	7.0	
902.36	NB 127+68	N8L	1	1	1.0	
902.37	NB 128+48	N10L	15	1	15.0	2 SEPARATE REPAIRS (12'x 1' & 3'x 1')
902.39	NB 129+27	N12L	14	1	14.0	3 SEPARATE REPAIRS (12'x 1', 1x 1' & 1'x 1')
902.39	NB 129+27	N12C	1	1	1.0	
902.39	NB 129+27	N12R	8	1	8.0	2 SEPARATE REPAIRS (2'x 2' & 4'x 1')
902.40	NB 130+07	N14L	4	1	4.0	2 SEPARATE REPAIRS (3'x 1' & 1'x 1')
902.40	NB 130+07	N14R	2	1	2.0	
902.40	NB 130+07	N14A	30	1	30.0	3 SEPARATE REPAIRS (12'x 1', 2'x 2' & 14'x 1')
902.41	NB 130+51	N1A	3	1	3.0	
902.32	SB 125+82	S3A	2	1	2.0	
902.35	SB 127+41	S7C	2.5	1.5	3.8	
902.36	SB 127+81	S8L	1	1	1.0	
902.36	SB 128+21	S9C	2	1	2.0	
902.37	SB 128+60	S10C	2.5	1.5	3.8	
902.37	SB 128+60	S10L	2	2	4.0	
902.38	SB 129+00	S11L	8	1	8.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

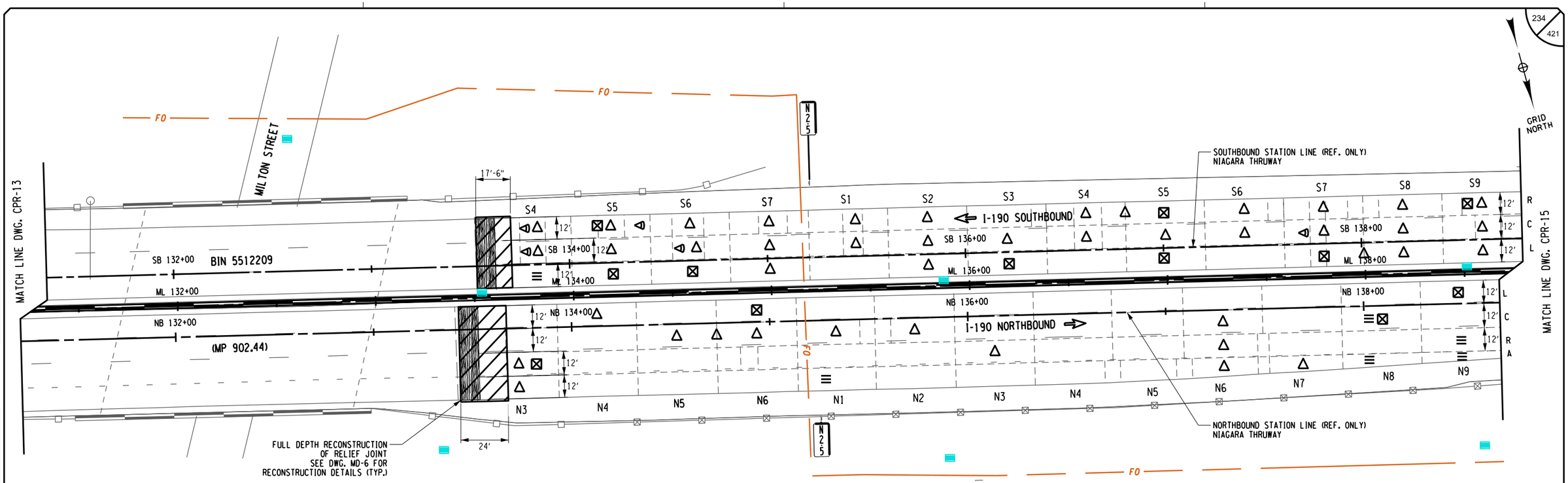
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacfirm.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-13



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-13.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
902.50	NB 135+34	N1A	12	8	12	
902.55	NB 138+08	N8C	12	8	12	
902.55	NB 138+08	N8A	7	4	7	
902.56	NB 138+49	N9R	12	8	12	
902.56	NB 138+49	N9A	6	4	6	
902.47	SB 133+81	S4L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
902.47	NB 133+72	N3C	5	2	10.0	
902.49	NB 134+93	N6L	1	1	1.0	
902.55	NB 138+08	N8C	1	1	1.0	
902.56	NB 138+48	N9L	5	1	5.0	
902.48	SB 134+20	S5R	1	1	1.0	
902.48	SB 134+20	S5L	2	1	2.0	2 SEPARATE REPAIRS (1'x 1' & 1'x 1')
902.49	SB 134+60	S6L	1	1	1.0	
902.52	SB 136+21	S3L	1	1	1.0	
902.53	SB 137+02	S5R	1.5	1.5	2.3	
902.53	SB 137+02	S5L	1	1	1.0	
902.55	SB 137+81	S7L	1.5	1	1.5	
902.56	SB 138+62	S9R	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

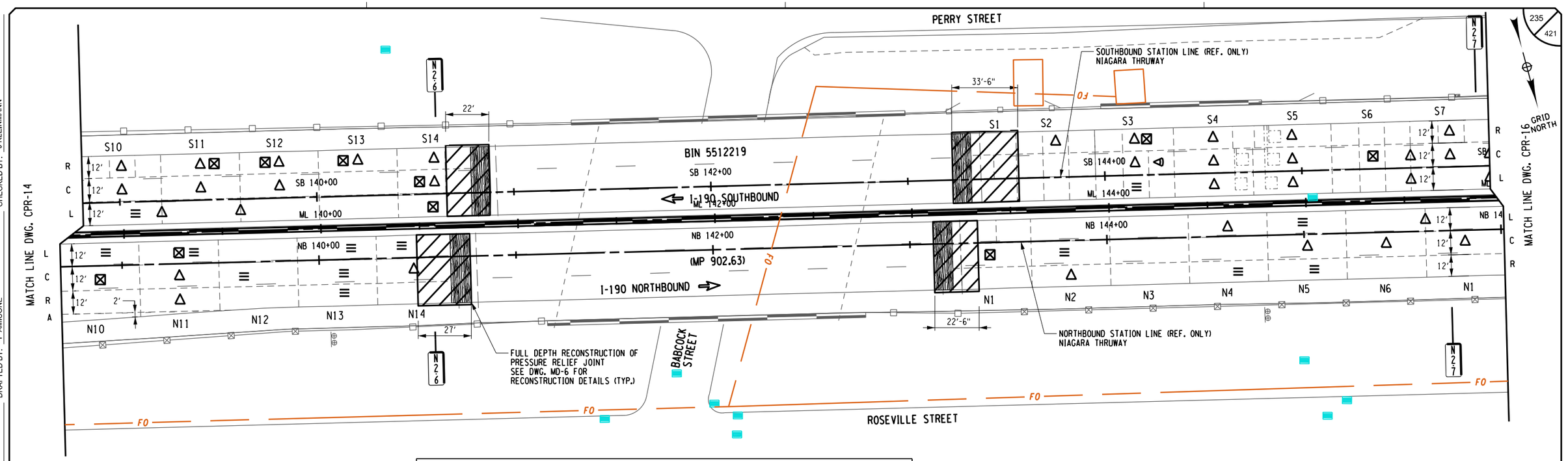
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-14



DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
902.57	NB 138+88	N10L	12	8	12	
902.58	NB 139+29	N11L	12	8	12	
902.58	NB 139+68	N12C	12	8	12	
902.59	NB 140+09	N13L	12	8	12	
902.59	NB 140+09	N13C	12	8	12	
902.59	NB 140+09	N13R	12	8	12	
902.60	NB 140+48	N14L	12	8	12	
902.66	NB 143+80	N2C	12	8	12	
902.68	NB 144+60	N4R	12	8	12	
902.69	NB 145+02	N5L	12	8	12	
902.69	NB 145+02	N5R	6	4	6	
902.67	SB 144+15	S3L	12	8	12	
902.57	SB 139+01	S10L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
902.57	NB 138+88	N10C	2	1	2.0	
902.58	NB 139+28	N11L	5	1	5.0	
902.65	NB 143+41	N1C	4	4	16.0	
902.58	SB 139+41	S11R	1	1	1.0	
902.59	SB 139+80	S12R	1	1	1.0	
902.59	SB 140+21	S13R	1	1	1.0	
902.60	SB 140+60	S14C	1	1	1.0	
902.60	SB 140+60	S14L	3	1	3.0	
902.67	SB 144+14	S3R	1	1	1.0	
902.69	SB 145+36	S6C	2	1	2.0	

NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-14.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 · www.chacobuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

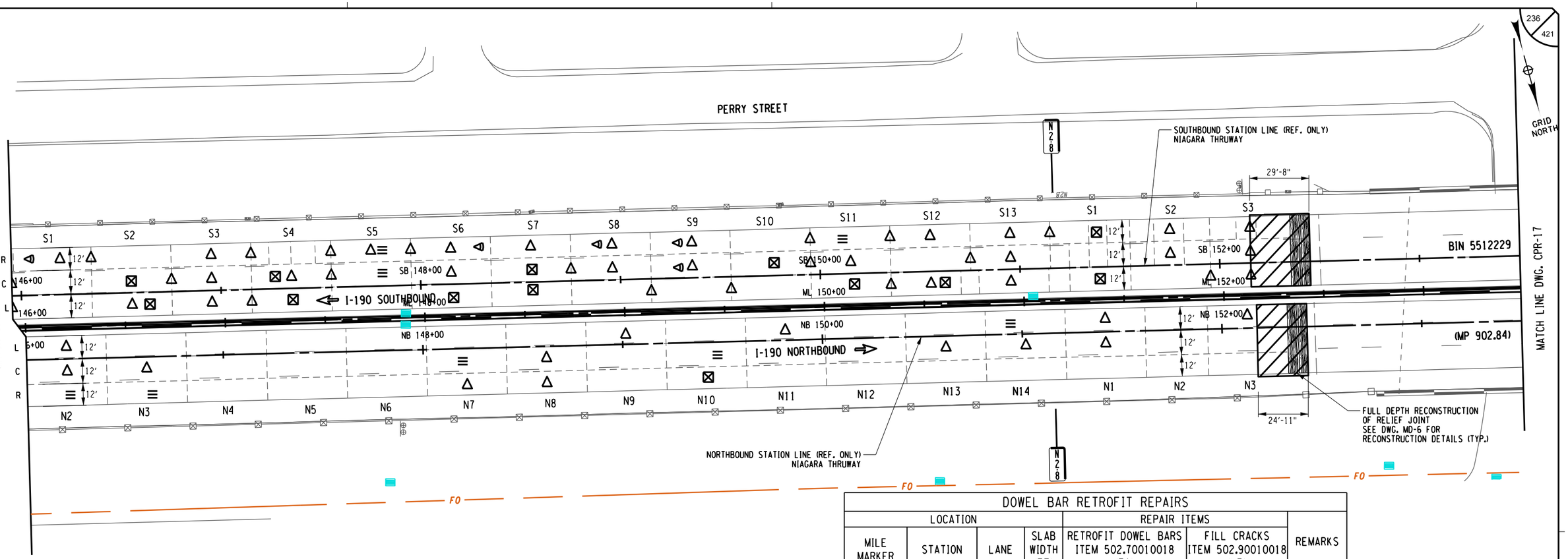
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPR-15

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-15.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
902.71	NB 146+21	N2R	12	8	12	
902.72	NB 146+60	N3R	12	8	12	
902.75	NB 148+21	N7C	12	8	12	
902.77	NB 149+41	N10C	12	8	12	
902.80	NB 151+03	N14L	12	8	12	
902.74	SB 147+77	S5R	12	8	12	
902.74	SB 147+77	S5C	12	8	12	
902.78	SB 150+17	S11R	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
902.77	NB 149+40	N10R	4.5	1.5	6.8	
902.71	SB 146+55	S2C	4	1	4.0	2 SEPARATE REPAIRS (3'x 1' & 1'x 1')
902.71	SB 146+55	S2L	1	1	1.0	
902.73	SB 147+34	S4C	1.5	1	1.5	
902.73	SB 147+34	S4L	1	1	1.0	
902.74	SB 148+15	S6L	7	1	7.0	
902.75	SB 148+55	S7C	1	1	1.0	
902.75	SB 148+55	S7L	12	1	12.0	2 SEPARATE REPAIRS (6'x 1' & 6'x 1')
902.77	SB 149+73	S10C	6	1	6.0	
902.78	SB 150+14	S11L	1	1	1.0	
902.79	SB 150+55	S12L	6	1	6.0	
902.80	SB 151+34	S1R	2.5	1	2.5	2 SEPARATE REPAIRS (1.5'x 1' & 1'x 1')
902.80	SB 151+34	S1L	1	1	1.0	

LEGEND

- △ FULL DEPTH REPAIR
- ⊠ PARTIAL DEPTH REPAIR
- ≡ DOWEL BAR RETROFIT
- ◁ HINGE JOINT
- | CLEAN AND FILL CRACKS
- L LEFT LANE
- C CENTER LANE
- R RIGHT LANE
- A AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

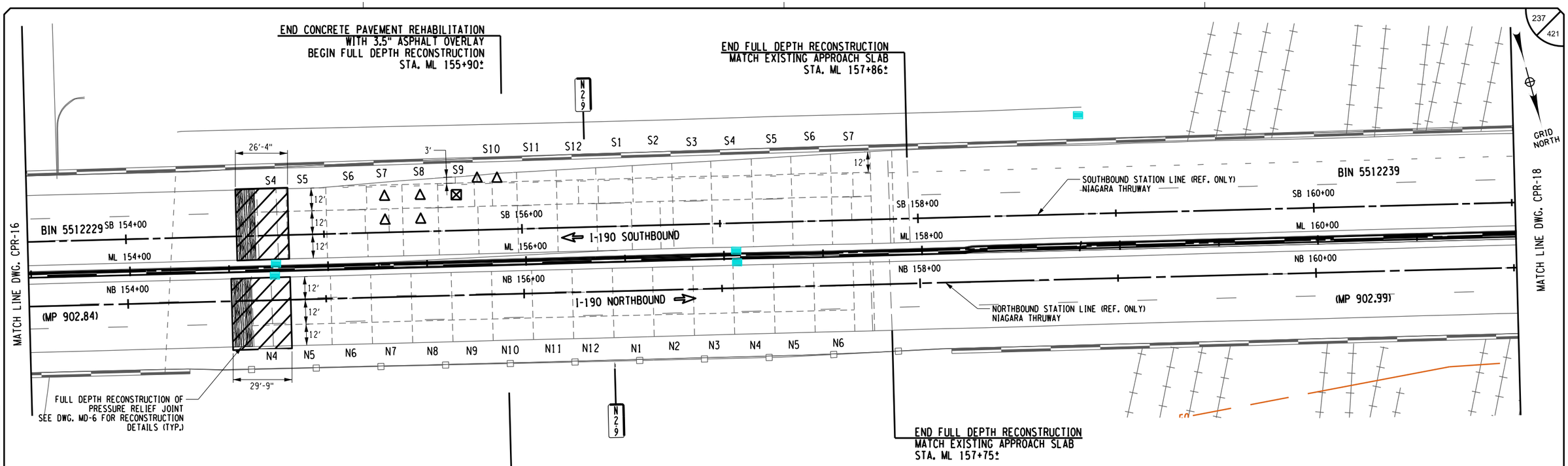
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-16



237
421

NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-16.

2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
902.87	NB 154+72	N4C	5	1	5.0	
902.87	NB 154+72	N4R	2	1	2.0	
902.89	SB 155+68	S9R	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
QUALITY CONTROL BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

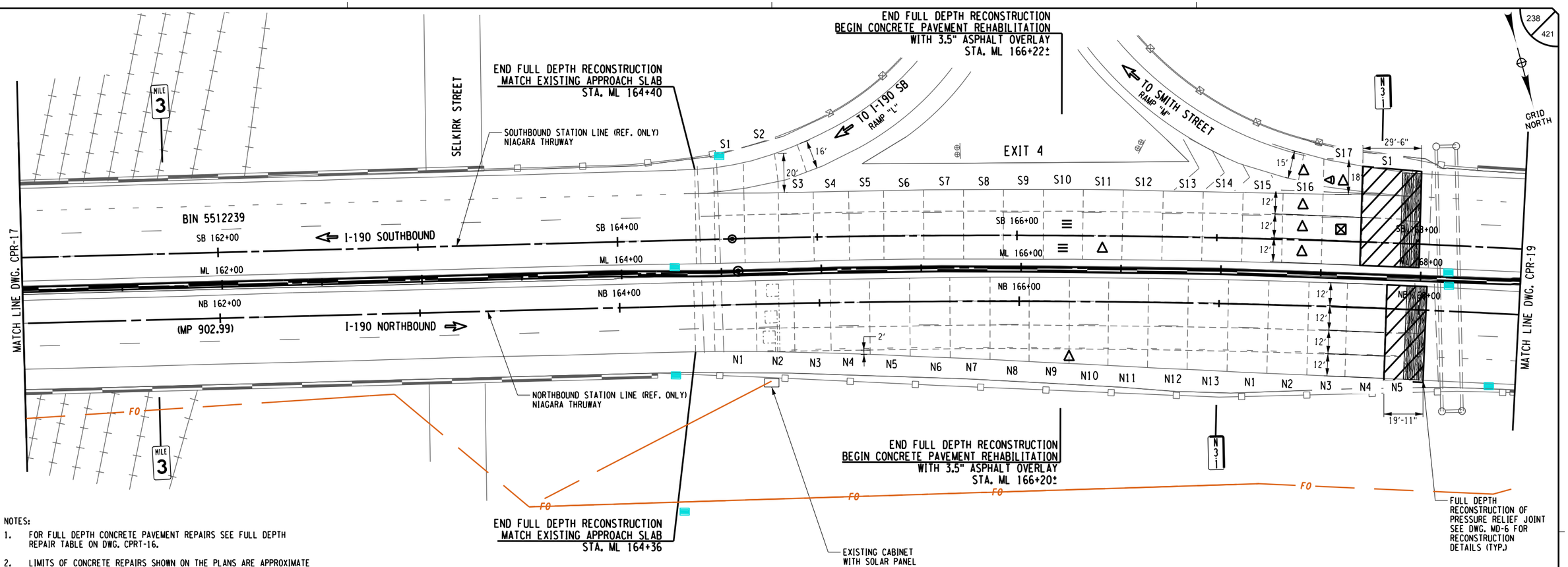
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-17



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-16.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.11	SB 167+61	S17C	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

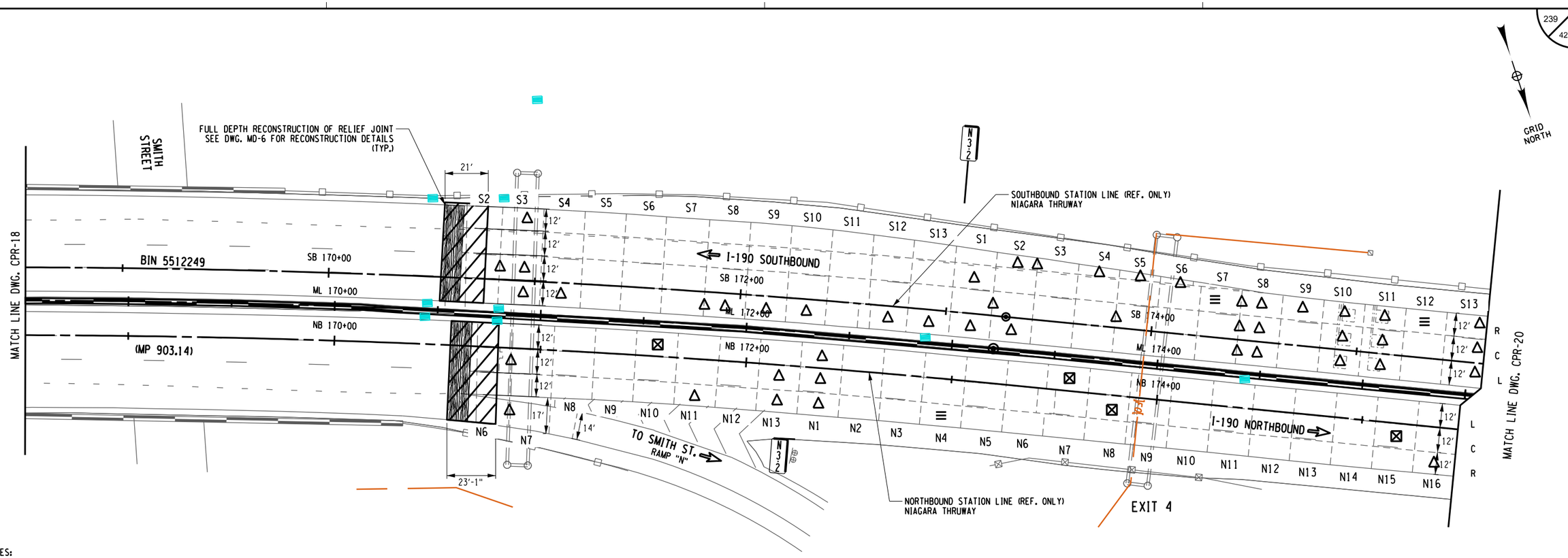
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-18



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-17.

2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
903.21	NB 172+96	N4R	12	8	12	
903.22	SB 174+33	S7R	12	8	12	
903.24	SB 175+31	S12R	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.18	NB 170+96	N6L	1	1	1.0	
903.19	NB 171+55	N10L	2	1	2.0	
903.22	NB 173+56	N7L	2	1	2.0	
903.29	NB 176+77	N8C	3	2	6.0	
903.25	NB 175+16	N15C	2	1	2.0	2 SEPARATE REPAIRS (1'x 1' & 1'x 1')

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

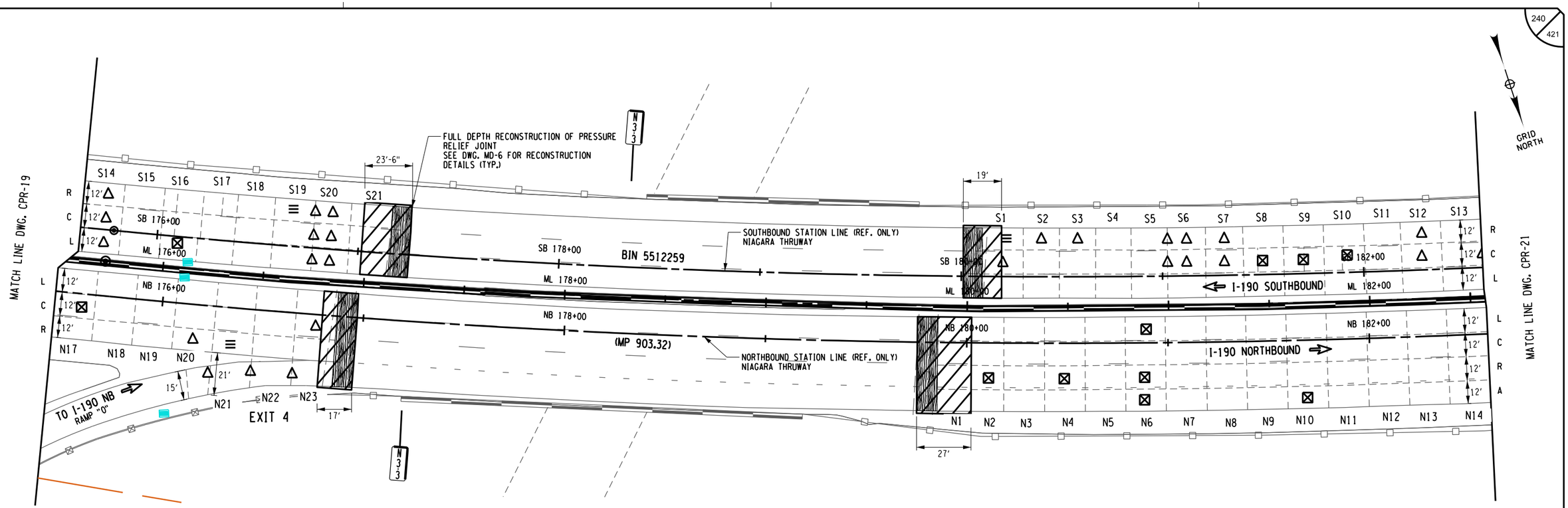
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-19



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-17.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
903.28	NB 176+35	N21R	12	8	12	
903.27	SB 176+68	S19R	12	8	12	
903.34	SB 180+21	S1R	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.27	NB 175+57	N17C	2	1	2.0	
903.35	NB 180+10	N2R	4	1	4.0	3 SEPARATE REPAIRS (1'x 1', 1'x 1' & 2'x 1')
903.36	NB 180+48	N4R	2	1	2.0	2 SEPARATE REPAIRS ((2) - 1'x 1')
903.37	NB 180+89	N6R	1	1	1.0	
903.36	NB 180+89	N6A	1	1	1.0	
903.36	NB 180+89	N6L	1	1	1.0	
903.38	NB 181+69	N10A	1	1	1.0	
903.26	SB 176+10	S16L	1	1	1.0	
903.36	SB 181+51	S8C	4	1	4.0	4 SEPARATE REPAIRS ((4) - 1'x 1')
903.36	SB 181+70	S9C	4	1	4.0	4 SEPARATE REPAIRS ((4) - 1'x 1')
903.37	SB 181+90	S10C	2	1	2.0	2 SEPARATE REPAIRS ((2) - 1'x 1')

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
QUALITY CONTROL BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

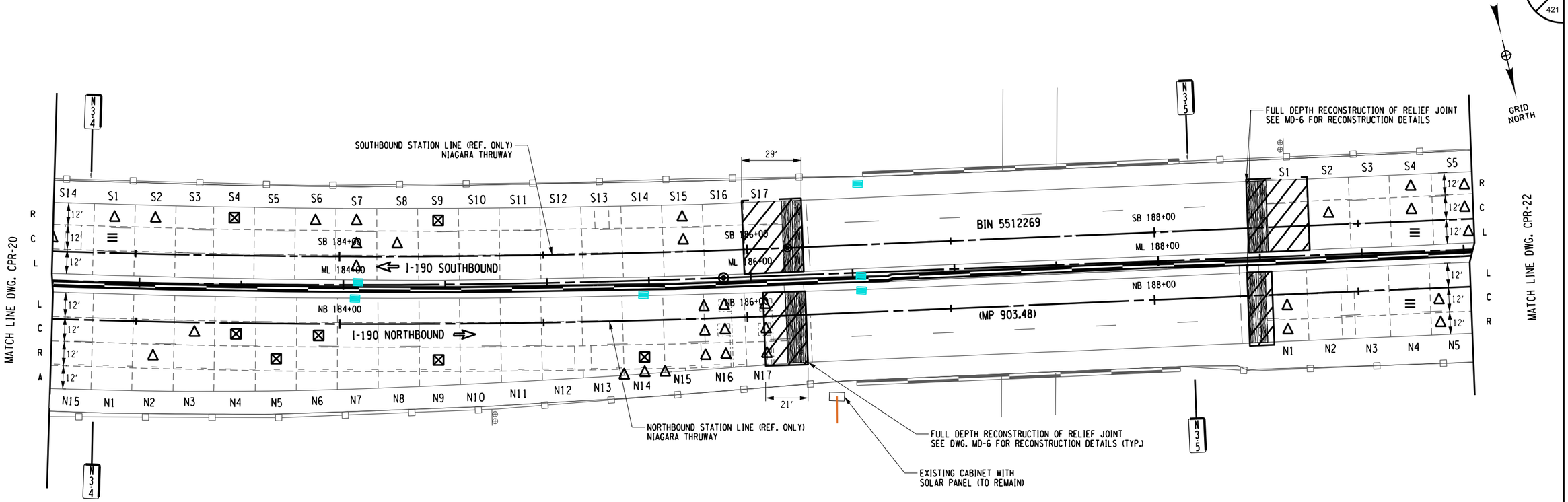
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-20



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-18.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		REMARKS
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	
903.52	NB 189+25	N4C	12	8	12	
903.40	SB 182+90	S1C	12	8	12	
903.52	SB 189+26	S4L	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			REMARKS
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	
903.41	NB 183+48	N4C	1	1	1.0	
903.42	NB 183+68	N5R	1	1	1.0	
903.42	NB 183+89	N6C	1	1	1.0	
903.43	NB 184+49	N9R	2	1	2.0	
903.45	NB 185+49	N14R	2	1	2.0	
903.41	SB 183+48	S4R	1	1	1.0	
903.43	SB 184+48	S9R	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

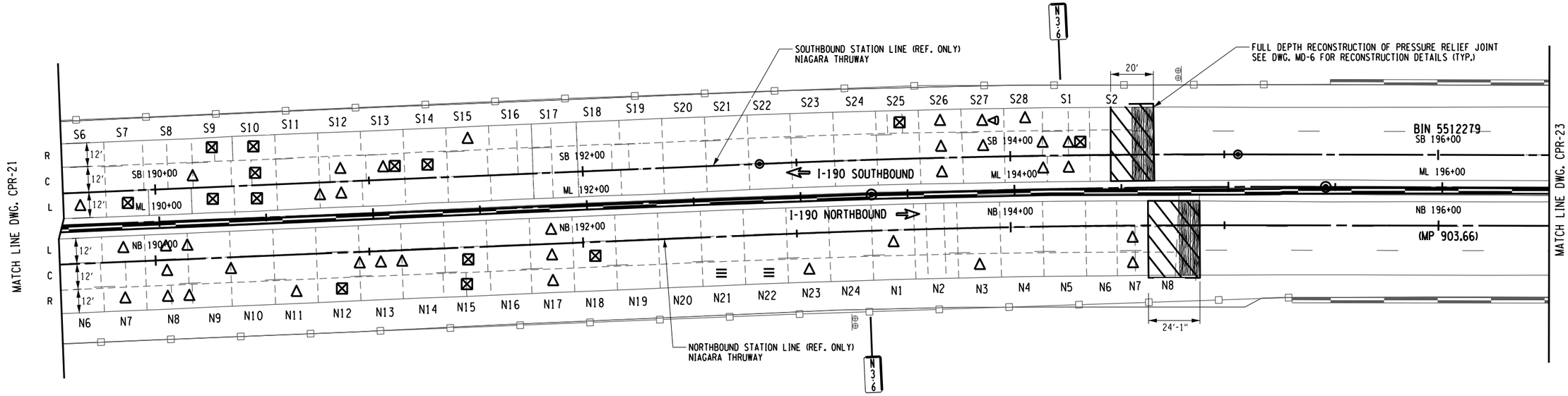
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-21



GRID NORTH

NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-18.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
903.58	NB 192+66	N21R	12	8	12	
903.59	NB 192+85	N22R	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.55	NB 190+85	N12R	2	1	2.0	
903.56	NB 191+43	N15C	1	1	1.0	
903.56	NB 191+43	N15R	3	1	3.0	3 SEPARATE REPAIRS ((1) - 1'x 1')
903.57	NB 192+04	N18C	1	1	1.0	
903.43	SB 189+87	S7L	1.5	1	1.5	
903.44	SB 190+26	S9R	1.5	1	1.5	
903.44	SB 190+26	S9L	1	1	1.0	
903.44	SB 190+46	S10C	5	1	5.0	4 SEPARATE REPAIRS ((2) - 1'x 1' & (2) - 1.5'x 1')
903.44	SB 190+46	S10R	1.5	1	1.5	
903.44	SB 190+46	S10L	1	1	1.0	
903.45	SB 191+06	S13C	1.5	1	1.5	
903.46	SB 191+27	S14C	1	1	1.0	
903.50	SB 193+47	S25R	1	1	1.0	
903.60	SB 194+28	S1C	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

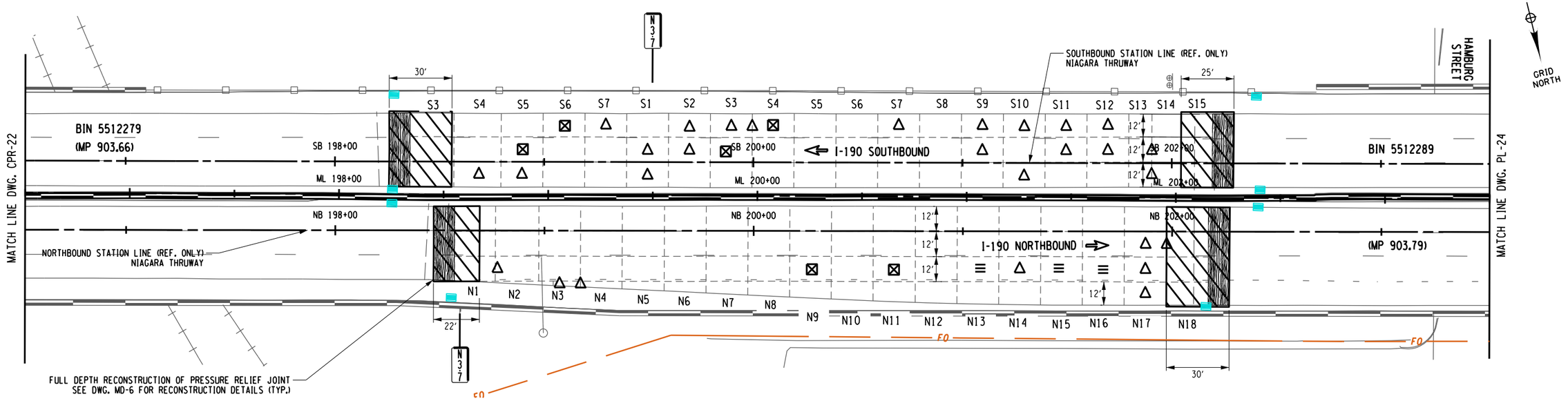
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
50 Wolf Road, Third Floor
Albany, NY 12205-2722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-22



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-19.

2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
903.75	NB 201+08	N13R	12	8	12	
903.75	NB 201+48	N15R	12	8	12	
903.76	NB 201+67	N16R	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.73	NB 200+27	N9R	1	1	1.0	
903.74	NB 200+67	N11R	1	1	1.0	
903.77	NB 202+07	N18C	1	1	1.0	
903.69	SB 198+88	S5C	1	1	1.0	
903.69	SB 199+09	S6R	1	1	1.0	
903.71	SB 199+90	S3C	1	1	1.0	
903.71	SB 200+09	S4R	1	1	1.0	

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

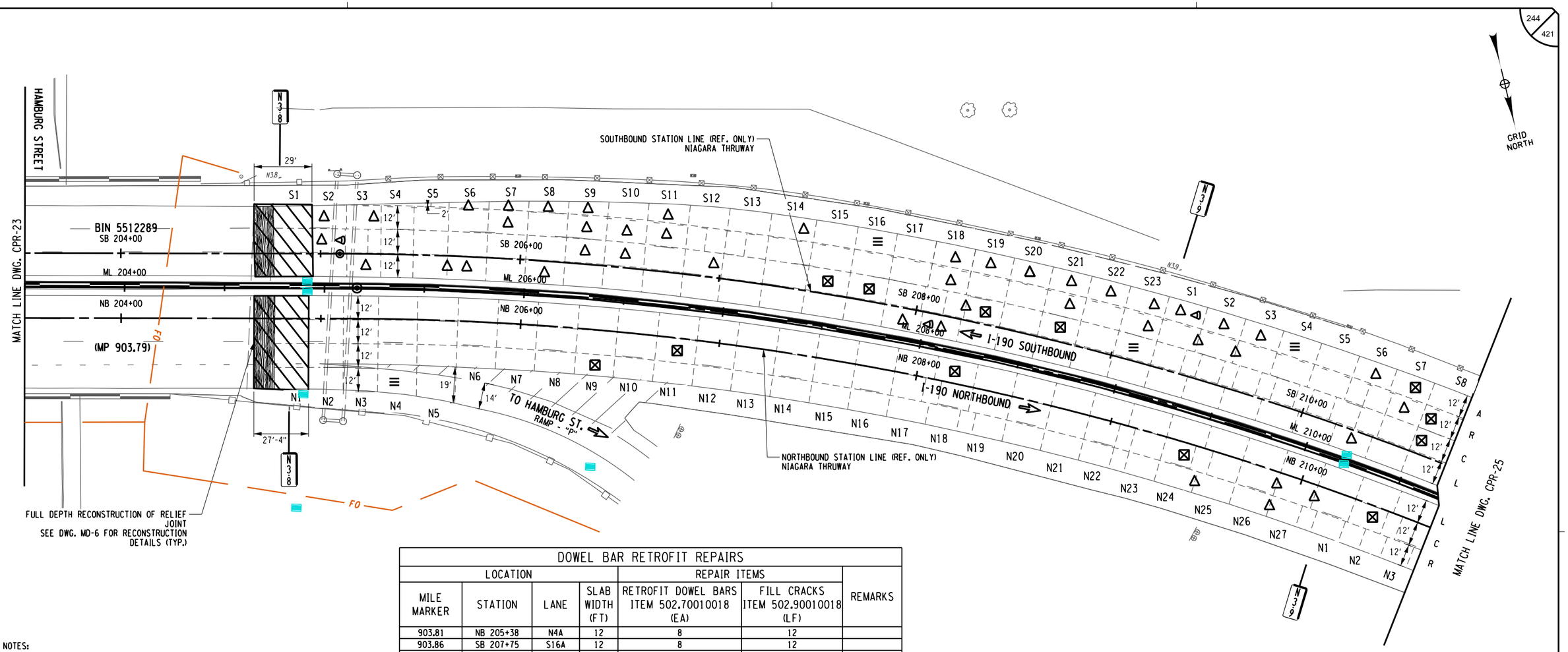
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-23



DOWEL BAR RETROFIT REPAIRS

LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
903.81	NB 205+38	N4A	12	8	12	
903.86	SB 207+75	S16A	12	8	12	
903.88	SB 209+12	S23C	12	8	12	
903.91	SB 209+89	S4A	12	8	12	

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.83	NB 206+39	N9R	1	1	1.0	
903.84	NB 206+78	N11C	1	1	1.0	
903.86	NB 208+18	N18L	2	1	2.0	
903.89	NB 209+39	N24C	2	1	2.0	
903.90	NB 210+38	N2C	2	1	2.0	
903.85	SB 207+54	S15C	1	1	1.0	
903.86	SB 207+74	S16C	1	1	1.0	
903.87	SB 208+32	S19C	1.5	1.5	2.3	
903.87	SB 208+72	S21C	2	1	2.0	
903.92	SB 210+47	S7A	1	1	1.0	
903.93	SB 210+66	S8R	1	1	1.0	
903.93	SB 210+66	S8C	1	1	1.0	

NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-19.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

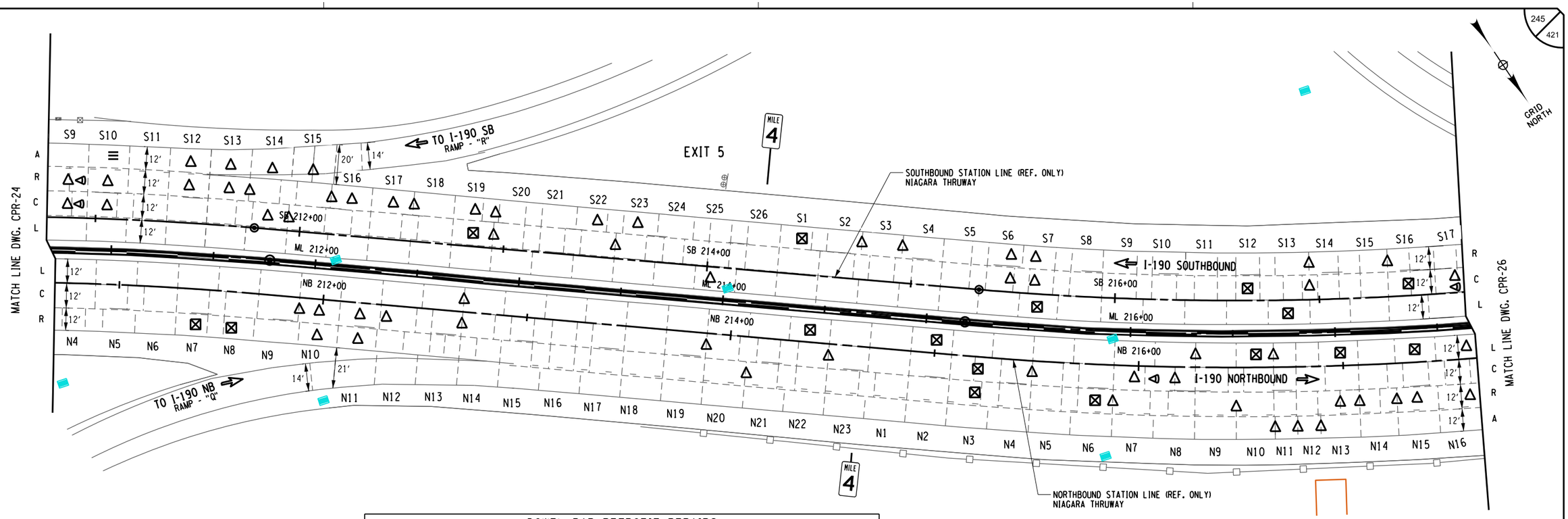
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPR-24

CHECKED BY: J KLEINMANN
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
DESIGNED BY: P AMICONE
DESIGN SUPERVISOR: D MARSH



DOWEL BAR RETROFIT REPAIRS						
LOCATION				REPAIR ITEMS		
MILE MARKER	STATION	LANE	SLAB WIDTH (FT)	RETROFIT DOWEL BARS ITEM 502.70010018 (EA)	FILL CRACKS ITEM 502.90010018 (LF)	REMARKS
903.93	SB 211+05	S10A	12	8	12	

PARTIAL DEPTH REPAIR						
LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
903.92	NB 211+39	N7R	2	1	2.0	
903.93	NB 211+58	N8R	2	1	2.0	
903.98	NB 214+38	N22L	2	1	2.0	2 SEPARATE REPAIRS ((2) - 1'x 1')
904.01	NB 214+99	N2L	2	1	2.0	2 SEPARATE REPAIRS ((2) - 1'x 1')
904.01	NB 215+18	N3C	1	1	1.0	
904.01	NB 215+18	N3R	8	1	8.0	
904.02	NB 215+78	N6R	2	1	2.0	
904.04	NB 216+57	N10L	7	1	7.0	2 SEPARATE REPAIRS (1'x 1' & 6'x 1')
904.04	NB 216+98	N13L	4	1	4.0	2 SEPARATE REPAIRS (2'x 1' & 2'x 2')
904.05	NB 217+36	N15L	2	1	2.0	
903.97	SB 212+84	S19C	3	2	6.0	
904.00	SB 214+43	S1R	1	1	1.0	
904.03	SB 215+63	S7L	1	1	1.0	
904.05	SB 216+65	S12C	1	1	1.0	
904.05	SB 216+85	S13L	4	1	4.0	
904.06	SB 217+44	S16C	2	1	2.0	

NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-20.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

LEGEND	
△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

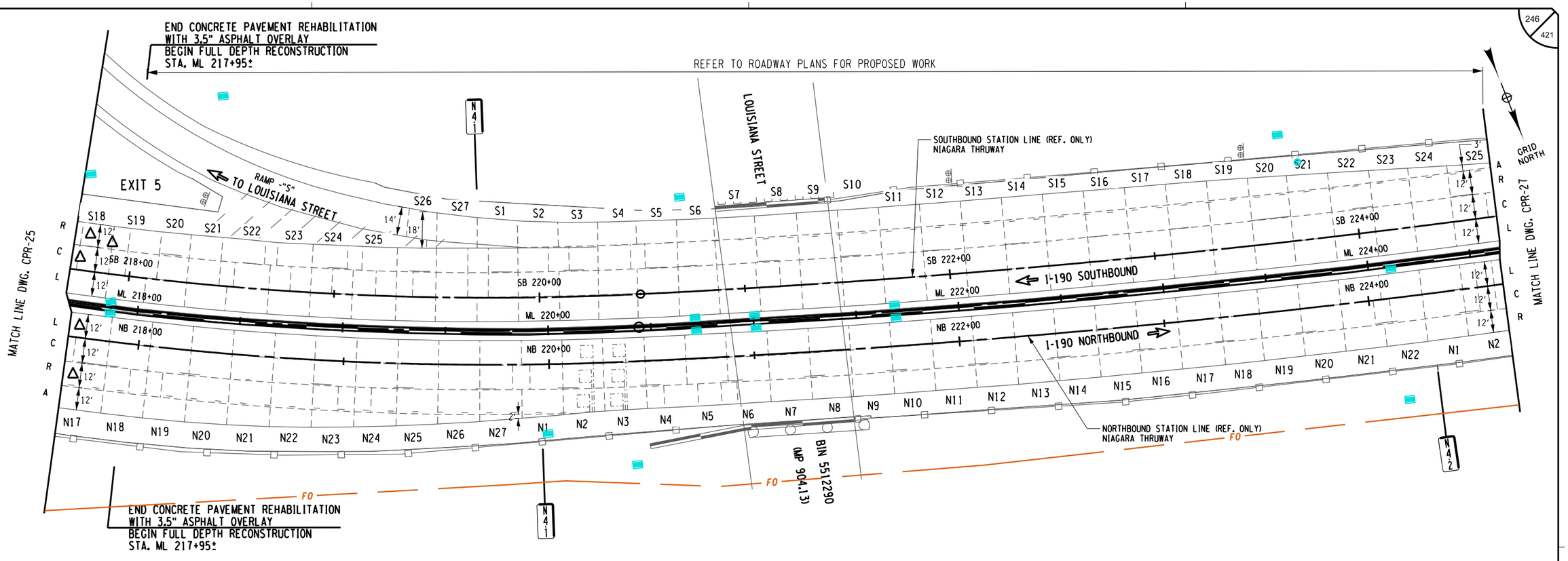
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
One Main Street Tower
Buffalo, NY 14203-3722
716.853.1300 - www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-25

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



NOTES:

1. FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS SEE FULL DEPTH REPAIR TABLE ON DWG. CPRT-21.
2. LIMITS OF CONCRETE REPAIRS SHOWN ON THE PLANS ARE APPROXIMATE AND EXACT LIMITS OF REPAIRS SHALL BE LAID OUT IN THE FIELD PRIOR TO PERFORMING ANY REPAIR WORK. PAYMENT FOR THE LAYOUT UNDER ITEM 502.10010018.

PARTIAL DEPTH REPAIR

LOCATION			REPAIR DIMENSIONS			
MILE MARKER	STATION	SLAB NUMBER	LENGTH (FT)	WIDTH (FT)	PARTIAL-DEPTH REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT-CLASS HES CONC., ITEM 511.70000018 (SF)	REMARKS
904.07	SB 217+99	S19C	2	1	2.0	2 SEPARATE REPAIRS (2) - 1'x 1')

LEGEND

△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

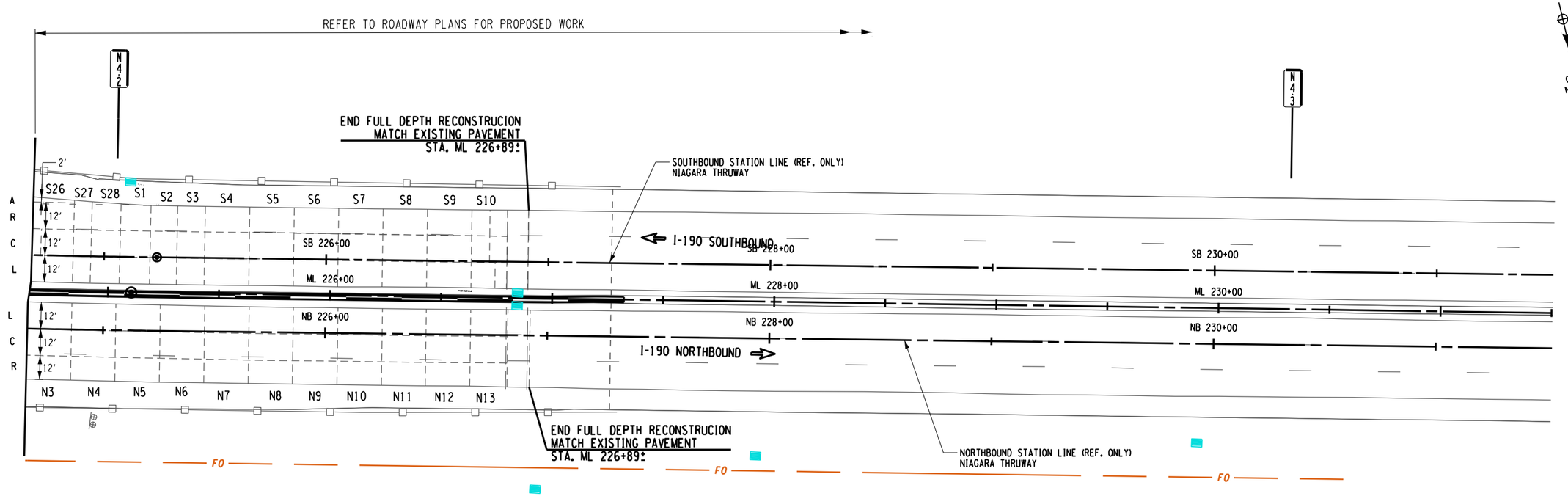
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	CONCRETE PAVEMENT REPAIR PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	CPR-26

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: P AMICONE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

MATCH LINE DWG. PL-26



NOTES:
1. THERE ARE NO CONCRETE PAVEMENT REPAIRS FOR THIS SHEET.

LEGEND	
△	FULL DEPTH REPAIR
⊠	PARTIAL DEPTH REPAIR
≡	DOWEL BAR RETROFIT
◁	HINGE JOINT
|	CLEAN AND FILL CRACKS
L	LEFT LANE
C	CENTER LANE
R	RIGHT LANE
A	AUXILARY LANE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
CONCRETE PAVEMENT REPAIR PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPR-27

SEE PLAN ON DWG. CPR-1

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
900.76	S8	SB 43+82	S9	SB 44+07	A	25.00	12.00	300.0	300.0	12.0		9.3	33.3	16		12.0			
900.76	S8	SB 43+82	S8	SB 43+90	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.76	S9	SB 44+20	S9	SB 44+28	C	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.76	S9	SB 44+20	S9	SB 44+28	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.77	S9	SB 44+45	S11	SB 44+87	A	42.00	8.00	336.0	336.0	16.0		10.4	37.3	14			16.0		
900.77	S10	SB 44+64	S10	SB 44+79	C	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.77	S10	SB 44+64	S10	SB 44+79	L	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.78	S11	SB 44+93	S11	SB 45+13	R	20.00	12.00	240.0	240.0	12.0	20.0	7.4	26.7	16			12.0	20.0	
900.78	S11	SB 44+93	S11	SB 45+13	C	20.00	12.00	240.0	240.0	12.0		7.4	26.7	16			12.0		
900.78	S11	SB 45+03	S11	SB 45+13	L	10.00	12.00	120.0	120.0			3.7	13.3	16					
900.77	N9	NB 44+01	N10	NB 44+09	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.77	N10	NB 44+36	N11	NB 44+74	R	38.00	12.00	456.0	456.0	24.0		14.1	50.7	16	5	12.0	12.0		
900.77	N11	NB 44+59	N12	NB 44+89	C	30.00	12.00	360.0	360.0	12.0		11.1	40.0	16			12.0		

SEE PLAN ON DWG. CPR-2

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
900.79	S11	SB 45+13	S1	SB 45+87	A	74.00	4.00	296.0	296.0	16.0	13.0	9.1	32.9	4			16.0	13.0	
900.80	S12	SB 45+43	S12	SB 45+58	R	13.00	12.00	156.0	156.0			4.8	17.3	16					
900.81	S1	SB 45+83	S2	SB 46+10	R	27.00	12.00	324.0	324.0	12.0	27.0	10.0	36.0	16			12.0	27.0	
900.81	S1	SB 45+83	S2	SB 46+10	C	27.00	12.00	324.0	324.0	12.0		10.0	36.0	16			12.0		
900.81	S1	SB 45+97	S2	SB 46+10	L	13.00	12.00	156.0	156.0			4.8	17.3	16					
900.82	S2	SB 46+41	S3	SB 46+49	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.82	S3	SB 46+63	S3	SB 46+71	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.82	S2	SB 46+71	S3	SB 46+49	C	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.82	S3	SB 46+71	S3	SB 46+79	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.83	S4	SB 46+93	S4	SB 47+01	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.83	S4	SB 47+22	S5	SB 47+30	R	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.83	S4	SB 47+22	S5	SB 47+30	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.84	S6	SB 47+73	S7	SB 48+10	R	40.00	12.00	480.0	480.0	24.0	28.0	14.8	53.3	16			24.0	28.0	
900.84	S6	SB 47+73	S6	SB 47+97	C	28.00	12.00	336.0	336.0	12.0		10.4	37.3	16			12.0		
900.84	S6	SB 47+73	S6	SB 47+84	L	11.00	12.00	132.0	132.0			4.1	14.7	16					
900.87	S9	SB 48+98	S9	SB 49+13	R	15.00	12.00	180.0	180.0		15.0	5.6	20.0	16				15.0	
900.87	S9	SB 48+98	S9	SB 49+13	C	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.87	S9	SB 48+98	S9	SB 49+13	L	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.87	S10	SB 49+34	S12	SB 50+09	L	75.00	12.00	900.0	900.0	48.0		27.8	100.0	16			48.0		
900.88	S10	SB 49+49	S12	SB 50+09	R	60.00	12.00	720.0	720.0	36.0	60.0	22.2	80.0	16			36.0	60.0	
900.88	S10	SB 49+49	S12	SB 50+09	C	60.00	12.00	720.0	720.0	36.0		22.2	80.0	16			36.0		
900.89	S12	SB 50+24	S12	SB 50+39	R	15.00	12.00	180.0	180.0		15.0	5.6	20.0	16				15.0	

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-1

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

SEE PLAN ON DWG. CPR-2

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS												REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
900.89	S12	SB 50+24	S12	SB 50+39	C	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.89	S12	SB 50+24	S12	SB 50+39	L	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.90	S1	SB 50+64	S2	SB 50+88	R	23.00	12.00	276.0	276.0	12.0	15.0	8.5	30.7	16			12.0	15.0	
900.90	S1	SB 50+64	S2	SB 50+79	C	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.92	S3	SB 51+45	S3	SB 51+60	R	15.00	12.00	180.0	180.0		15.0	5.6	20.0	16				15.0	
900.92	S3	SB 51+45	S3	SB 51+60	C	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.92	S3	SB 51+45	S3	SB 51+60	L	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.92	S4	SB 51+83	S4	SB 51+91	R	8.00	12.00	96.0	96.0			3.0	10.7	16	2				
900.92	S4	SB 51+83	S4	SB 51+91	C	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.92	S4	SB 51+83	S4	SB 51+91	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.93	S5	SB 52+19	S5	SB 52+27	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.93	S5	SB 52+19	S5	SB 52+27	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.78	N13	NB 45+43	N13	NB 45+53	C	10.00	12.00	120.0	120.0			3.7	13.3	16					
900.78	N13	NB 45+53	N14	NB 45+81	L	28.00	12.00	336.0	336.0	12.0		10.4	37.3	16			12.0		
900.79	N13	NB 45+59	N14	NB 45+69	R	10.00	12.00	120.0	120.0			3.7	13.3	16					
900.80	N15	NB 46+41	N1	NB 46+49	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.81	N1	NB 46+62	N1	NB 46+69	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.81	N1	NB 46+73	N2	NB 46+94	R	21.00	12.00	252.0	252.0	12.0		7.8	28.0	16			12.0		
900.84	N5	NB 48+41	N6	NB 48+49	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.84	N6	NB 48+61	N6	NB 48+69	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.84	N6	NB 48+61	N6	NB 48+69	C	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.84	N6	NB 48+61	N6	NB 48+69	R	8.00	12.00	96.0	96.0			3.0	10.7	16	2				
900.84	N6	NB 48+61	N6	NB 48+69	A	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.86	N8	NB 49+47	N8	NB 49+55	A	8.00	8.00	64.0	64.0			2.0	7.1	12					
900.86	N8	NB 49+61	N9	NB 49+89	C	28.00	12.00	336.0	336.0	12.0		10.4	37.3	16			12.0		
900.87	N9	NB 49+77	N9	NB 49+89	L	12.00	12.00	144.0	144.0			4.4	16.0	16					
900.87	N9	NB 49+77	N9	NB 49+89	R	12.00	12.00	144.0	144.0			4.4	16.0	16	4				
900.87	N9	NB 49+77	N9	NB 49+89	A	12.00	7.00	84.0	84.0		7.0	2.6	9.3	10				7.0	
900.87	N10	NB 50+17	N11	NB 50+46	C	30.00	12.00	360.0	360.0	12.0		11.1	40.0	16		12.0			
900.87	N10	NB 50+17	N10	NB 50+29	R	12.00	12.00	144.0	144.0			4.4	16.0	16					
900.87	N10	NB 50+17	N10	NB 50+29	A	12.00	8.00	96.0	96.0		8.0	3.0	10.7	12				8.0	
900.88	N11	NB 50+52	N12	NB 51+27	R	36.00	12.00	432.0	432.0	24.0		13.3	48.0	16	4		24.0		
900.88	N11	NB 50+52	N12	NB 50+84	A	33.00	3.00	99.0	99.0	6.0	33.0	3.1	11.0	2			6.0	33.0	
900.88	N11	NB 50+74	N12	NB 50+88	C	53.00	12.00	636.0	636.0	36.0		19.6	70.7	16			36.0		
900.89	N12	NB 51+14	N1	NB 51+40	R	26.00	12.00	312.0	312.0	12.0	13.0	9.6	34.7	16			12.0	13.0	
900.90	N1	NB 51+42	N1	NB 51+50	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.92	N3	NB 52+18	N3	NB 52+30	C	12.00	12.00	144.0	144.0			4.4	16.0	16					
900.92	N3	NB 52+18	N3	NB 52+30	R	12.00	12.00	144.00	144.0			4.4	16.0	16					

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 · www.chacbl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-2

SEE PLAN ON DWG. CPR-3

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS												
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
900.94	S5	SB 52+39	S6	SB 52+55	R	15.00	12.00	180.0	180.0			5.6	20.0	16	5				
900.94	S5	SB 52+43	S6	SB 52+72	L	28.00	12.00	336.0	336.0	12.0		10.4	37.3	16		12.0			
900.94	S6	SB 52+84	S7	SB 53+12	R	28.00	12.00	336.0	336.0	12.0	28.0	10.4	37.3	16			12.0	28.0	
900.94	S6	SB 52+84	S7	SB 53+12	C	28.00	12.00	336.0	336.0	12.0		10.4	37.3	16			12.0		
900.95	S7	SB 52+98	S7	SB 53+12	L	14.00	12.00	168.0	168.0			5.2	18.7	16					
900.95	S8	SB 53+40	S8	SB 53+54	L	14.00	12.00	168.0	168.0			5.2	18.7	16					
900.96	S8	SB 53+46	S8	SB 53+54	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.96	S8	SB 53+46	S8	SB 53+54	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.96	S9	SB 53+82	S9	SB 53+90	R	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.96	S9	SB 53+82	S10	SB 54+16	C	34.00	12.00	408.0	408.0	24.0		12.6	45.3	16			24.0		
900.96	S9	SB 53+82	S9	SB 53+90	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.97	S10	SB 54+27	S10	SB 54+35	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.97	S10	SB 54+44	S11	SB 54+52	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.98	S11	SB 54+62	S11	SB 54+70	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.98	S11	SB 54+70	S11	SB 54+78	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.98	S12	SB 55+01	S12	SB 55+13	L	12.00	12.00	144.0	144.0			4.4	16.0	16					
900.99	S12	SB 55+05	S12	SB 55+13	R	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.99	S12	SB 55+05	S12	SB 55+13	C	8.00	12.00	96.0	96.0			3.0	10.7	16	2				
900.99	S12	SB 55+25	S13	SB 55+33	R	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.99	S12	SB 55+25	S13	SB 55+33	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.99	S13	SB 55+51	S13	SB 55+59	R	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.99	S13	SB 55+51	S13	SB 55+59	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
901.00	S14	SB 55+82	S14	SB 55+97	C	12.00	12.00	144.0	144.0			4.4	16.0	16					
901.00	S14	SB 55+85	S14	SB 55+97	R	12.00	12.00	144.0	144.0		12.0	4.4	16.0	16				12.0	
901.00	S14	SB 55+85	S14	SB 55+97	L	12.00	12.00	144.0	144.0			4.4	16.0	16					
900.93	N4	NB 52+58	N4	NB 52+66	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.93	N5	NB 53+00	N5	NB 53+12	R	12.00	12.00	144.0	144.0			4.4	16.0	16	4				
900.93	N5	NB 53+01	N5	NB 53+13	C	12.00	12.00	144.0	144.0			4.4	16.0	16					
900.93	N5	NB 53+01	N5	NB 53+13	L	12.00	12.00	144.0	144.0		12.0	4.4	16.0	16				12.0	
900.94	N6	NB 53+53	N7	NB 53+77	C	24.00	12.00	288.0	288.0	12.0		8.9	32.0	16			12.0		
900.95	N7	NB 53+84	N9	NB 54+51	R	67.00	12.00	804.0	804.0	48.0		24.8	89.3	16	2	12.0	36.0		
900.95	N7	NB 54+00	N8	NB 54+08	C	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.97	N10	NB 55+02	N10	NB 55+10	L	8.00	12.00	96.0	96.0			3.0	10.7	16					
900.97	N10	NB 55+02	N10	NB 55+10	C	8.00	12.00	96.0	96.0		8.0	3.0	10.7	16				8.0	
900.98	N10	NB 55+24	N11	NB 55+39	C	15.00	12.00	180.0	180.0			5.6	20.0	16					
900.98	N10	NB 55+24	N12	NB 55+69	R	46.00	12.00	552.0	552.0	36.0		17.0	61.3	16	5		36.0		

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble@chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-3

SEE PLAN ON DWG. CPR-4

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
901.15	S7	SB 62+79	S8	SB 62+97	A	18.0	12.0	216.0	216.0	12.0		6.7	24.0	8			12.0		
901.15	S7	SB 62+79	S10	SB 63+99	L	120.0	12.0	1440.0	1440.0	84.0		44.4	160.0	8	4		84.0		
901.17	S9	SB 63+71	S10	SB 63+99	R	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16	4		12.0		
901.17	S10	SB 63+85	S10	SB 63+99	A	14.0	12.0	168.0	168.0		14.0	5.2	18.7	16				14.0	
901.17	S10	SB 63+85	S10	SB 63+99	C	14.0	12.0	168.0	168.0			5.2	18.7	16					
901.17	S10	SB 64+09	S11	SB 64+17	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.18	S12	SB 64+69	S12	SB 64+77	A	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.19	S1	SB 65+08	S1	SB 65+20	R	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
901.19	S1	SB 65+08	S1	SB 65+20	C	13.0	12.0	156.0	156.0			4.8	17.3	16					
901.19	S1	SB 65+08	S1	SB 65+20	L	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
901.21	S2	SB 65+47	S2	SB 65+55	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.21	S2	SB 65+47	S2	SB 65+55	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.21	S2	SB 65+48	S2	SB 65+56	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.21	S2	SB 65+75	S3	SB 66+02	L	28.0	12.0	336.0	336.0	12.0	13.0	10.4	37.3	16			12.0	13.0	
901.22	S3	SB 65+89	S3	SB 66+02	A	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
901.22	S3	SB 65+89	S3	SB 66+02	R	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
901.22	S3	SB 65+89	S3	SB 66+02	C	13.0	12.0	156.0	156.0			4.8	17.3	16					
901.22	S4	SB 66+36	S5	SB 66+59	A	22.0	12.0	264.0	264.0	12.0	11.0	8.1	29.3	16			12.0	11.0	
901.22	S4	SB 66+37	S4	SB 66+48	R	11.0	12.0	132.0	132.0			4.1	14.7	16	4				
901.22	S4	SB 66+37	S4	SB 66+48	C	11.0	12.0	132.0	132.0			4.1	14.7	16					
901.23	S4	SB 66+48	S5	SB 66+59	L	11.0	12.0	132.0	132.0			4.1	14.7	16					
901.23	S5	SB 66+73	S5	SB 66+81	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.23	S5	SB 66+73	S5	SB 66+82	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.13	N6	NB 62+79	N7	NB 63+33	C	54.00	12.0	648.0	648.0	36.0		20.0	72.0	16			36.0		
901.13	N6	NB 63+13	N7	NB 63+33	R	20.00	12.0	240.0	240.0	12.0	20.0	7.4	26.7	16			12.0	20.0	
901.15	N8	NB 63+99	N9	NB 64+07	C	8.00	12.0	96.0	96.0			3.0	10.7	16					
901.17	N10	NB 64+79	N11	NB 64+87	C	8.00	12.0	96.0	96.0			3.0	10.7	16					
901.17	N10	NB 64+79	N11	NB 64+87	R	8.00	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.17	N11	NB 65+21	N12	NB 65+31	C	10.00	12.0	120.0	120.0			3.7	13.3	16					
901.18	N12	NB 65+59	N13	NB 65+67	C	8.00	12.0	96.0	96.0			3.0	10.7	16					
901.19	N13	NB 65+87	N13	NB 66+18	C	13.00	12.0	156.0	156.0			4.8	17.3	16					
901.19	N13	NB 65+87	N13	NB 65+99	R	13.00	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
901.19	N13	NB 65+99	N14	NB 65+99	L	19.00	12.0	228.0	228.0	12.0		7.0	25.3	16		12.0			
901.20	N14	NB 66+39	N1	NB 66+47	C	8.00	12.0	96.0	96.0			3.0	10.7	16					
901.21	N2	NB 67+01	N2	NB 67+09	L	8.00	12.0	96.0	96.0			3.0	10.7	16					
901.21	N2	NB 67+19	N3	NB 67+39	R	20.0	12.0	240.0	240.0	12.0		7.4	26.7	16		12.0			

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-4

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

SEE PLAN ON DWG. CPR-5

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
901.24	S6	SB 67+20	S6	SB 67+30	A	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
901.24	S6	SB 67+20	S6	SB 67+31	R	10.0	12.0	120.0	120.0			3.7	13.3	16	3				
901.24	S6	SB 67+21	S6	SB 67+31	C	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
901.24	S6	SB 67+21	S6	SB 67+31	L	10.0	12.0	120.0	120.0			3.7	13.3	16					
901.24	S7	SB 67+44	S7	SB 67+66	R	22.0	12.0	264.0	264.0	12.0		8.1	29.3	16			12.0		
901.25	S7	SB 67+56	S8	SB 67+79	A	23.0	12.0	276.0	276.0	12.0	10.0	8.5	30.7	16			12.0	10.0	
901.25	S8	SB 67+89	S8	SB 68+03	C	14.0	12.0	168.0	168.0			5.2	18.7	16					
901.25	S8	SB 67+95	S8	SB 68+03	A	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.25	S8	SB 67+95	S8	SB 68+03	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.26	S9	SB 68+33	S10	SB 68+61	C	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16	9		12.0		
901.26	S9	SB 68+33	S10	SB 68+61	L	28.0	12.0	336.0	336.0	12.0	28.0	10.4	37.3	16			12.0	28.0	
901.26	S9	SB 68+47	S10	SB 68+61	R	14.0	12.0	168.0	168.0			5.2	18.7	16					
901.27	S10	SB 68+75	S11	SB 69+02	A	27.0	12.0	324.0	324.0	12.0	13.0	10.0	36.0	16			12.0	13.0	
901.27	S10	SB 68+75	S10	SB 68+88	R	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
901.27	S10	SB 68+75	S10	SB 68+88	C	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
901.27	S10	SB 68+76	S11	SB 69+02	L	27.0	12.0	324.0	324.0	12.0		10.0	36.0	16			12.0		
901.28	S11	SB 69+16	S11	SB 69+24	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.28	S11	SB 69+16	S11	SB 69+24	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.28	S11	SB 69+16	S11	SB 69+29	L	13.0	12.0	156.0	156.0			4.8	17.3	16					
901.29	S12	SB 69+61	S12	SB 69+70	A	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.29	S12	SB 69+62	S12	SB 69+70	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.29	S12	SB 69+62	S12	SB 69+70	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.29	S13	SB 70+02	S13	SB 70+10	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.29	S13	SB 70+02	S13	SB 70+10	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.30	S1	SB 70+38	S1	SB 70+46	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.30	S1	SB 70+38	S1	SB 70+46	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.30	S1	SB 70+38	S1	SB 70+46	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.31	S2	SB 70+78	S2	SB 70+87	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.31	S2	SB 70+78	S2	SB 70+86	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.32	S3	SB 71+21	S4	SB 71+65	R	44.0	12.0	528.0	528.0	24.0	44.0	16.3	58.7	16			24.0	44.0	
901.32	S3	SB 71+21	S4	SB 71+65	C	44.0	12.0	528.0	528.0	24.0		16.3	58.7	16			24.0		
901.33	S4	SB 71+57	S4	SB 71+65	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.33	S4	SB 71+79	S5	SB 71+87	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.33	S5	SB 72+01	S5	SB 72+09	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.33	S5	SB 72+02	S5	SB 72+10	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.34	S6	SB 72+39	S6	SB 72+47	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.34	S6	SB 72+39	S6	SB 72+47	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.35	S6	SB 72+59	S7	SB 72+67	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.35	S7	SB 72+89	S7	SB 72+97	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.35	S7	SB 72+89	S7	SB 72+97	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.36	S8	SB 73+15	S9	SB 73+67	R	52.0	12.0	624.0	624.0	36.0	23.0	19.3	69.3	16			36.0	23.0	
901.36	S8	SB 73+15	S8	SB 73+39	C	23.0	12.0	276.0	276.0	12.0		8.5	30.7	16			12.0		
901.36	S9	SB 73+59	S9	SB 73+67	C	8.0	12.0	96.0	96.0			3.0	10.7	16					

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-5

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

FULL DEPTH REPAIR

SEE PLAN ON DWG. CPR-5	LOCATION						REPAIR DIMENSIONS													
	MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
	901.37	S9	SB 73+81	S10	SB 73+89	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
	901.37	S9	SB 73+81	S10	SB 73+89	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.22	N3	NB 67+59	N4	NB 67+67	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
	901.22	N3	NB 67+59	N4	NB 67+67	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.23	N4	NB 67+99	N5	NB 68+07	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.24	N5	NB 68+39	N6	NB 68+48	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
	901.24	N5	NB 68+39	N6	NB 68+48	R	10.0	12.0	120.0	120.0		8.0	3.7	13.3	16				8.0	
	901.25	N7	NB 69+03	N7	NB 69+11	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.25	N7	NB 69+03	N7	NB 69+11	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
	901.26	N8	NB 69+60	N9	NB 69+68	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.28	N12	NB 70+85	N14	NB 71+89	A	104.0	6.0	624.0	624.0	36.0	30.0	19.3	69.3	4			36.0	30.0	
	901.29	N12	NB 71+00	N13	NB 71+30	R	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16	5		12.0		
	901.29	N12	NB 71+16	N13	NB 71+30	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
	901.30	N13	NB 71+62	N14	NB 71+70	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.30	N14	NB 72+00	N1	NB 72+10	R	10.0	12.0	120.0	120.0			3.7	13.3	16					
	901.31	N2	NB 72+58	N3	NB 73+09	A	52.0	12.0	624.0	624.0	36.0	26.0	19.3	69.3	16			36.0	26.0	
	901.31	N2	NB 72+71	N3	NB 72+96	R	26.0	12.0	312.0	312.0	12.0		9.6	34.7	16			12.0		
	901.32	N4	NB 73+37	N4	NB 73+57	R	20.0	12.0	240.0	240.0	12.0		7.4	26.7	16		12.0			
	901.32	N4	SB 73+37	N4	SB 73+57	A	20.0	12.0	240.0	240.0	12.0	20.0	7.4	26.7	16		12.0		20.0	

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacalibrtns.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-6

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

SEE PLAN ON DWG. CPR-6

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
901.38	S11	SB 74+62	S12	SB 74+70	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.38	S11	SB 74+62	S12	SB 74+70	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.38	S11	SB 74+62	S12	SB 74+70	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.39	S12	SB 74+84	S13	SB 75+07	R	23.0	12.0	276.0	276.0	12.0	15.0	8.5	30.7	16			12.0	15.0	
901.39	S12	SB 74+84	S12	SB 74+99	C	15.0	12.0	180.0	180.0			5.6	20.0	16	5				
901.39	S12	SB 74+84	S12	SB 74+99	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
901.39	S13	SB 75+19	S13	SB 75+27	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.39	S13	SB 75+19	S13	SB 75+27	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.39	S13	SB 75+42	S14	SB 75+72	R	30.0	12.0	360.0	360.0	12.0	30.0	11.1	40.0	16			12.0	30.0	
901.39	S13	SB 75+42	S14	SB 75+72	C	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16			12.0		
901.40	S14	SB 75+57	S14	SB 75+72	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
901.41	S1	SB 76+16	S3	SB 76+92	R	76.0	12.0	912.0	912.0	60.0	50.0	28.1	101.3	16			60.0	50.0	
901.41	S2	SB 76+35	S3	SB 76+92	C	58.0	12.0	696.0	696.0	36.0		21.5	77.3	16			36.0		
901.42	S3	SB 76+81	S3	SB 76+92	L	11.0	12.0	132.0	132.0			4.1	14.7	16	3				
901.43	S4	SB 77+26	S5	SB 77+46	R	20.0	12.0	240.0	240.0	12.0	10.0	7.4	26.7	16			12.0	10.0	
901.43	S4	SB 77+26	S4	SB 77+36	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
901.44	S5	SB 77+61	S5	SB 77+73	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
901.44	S5	SB 77+61	S5	SB 77+73	C	12.0	12.0	144.0	144.0			4.4	16.0	16					
901.44	S6	SB 77+98	S7	SB 78+47	R	49.0	12.0	588.0	588.0	36.0	49.0	18.1	65.3	16			36.0	49.0	
901.44	S6	SB 77+98	S7	SB 78+47	C	49.0	12.0	588.0	588.0	36.0		18.1	65.3	16			36.0		
901.45	S7	SB 78+37	S7	SB 78+47	A	10.0	12.0	120.0	120.0			3.7	13.3	16	3				
901.46	S8	SB 78+79	S8	SB 78+87	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.46	S8	SB 78+79	S8	SB 78+87	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.47	S9	SB 79+37	S10	SB 79+52	A	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
901.47	S9	SB 79+36	S10	SB 79+52	R	15.0	12.0	180.0	180.0			5.6	20.0	16	5				
901.47	S9	SB 79+37	S10	SB 79+52	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
901.47	S10	SB 79+52	S10	SB 79+61	L	9.0	12.0	108.0	108.0			3.3	12.0	16					
901.48	S11	SB 80+00	S11	SB 80+13	R	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
901.48	S11	SB 80+00	S11	SB 80+13	C	13.0	12.0	156.0	156.0			4.8	17.3	16					
901.49	S12	SB 80+40	S12	SB 80+52	R	12.0	12.0	144.0	144.0			4.4	16.0	16	4				
901.49	S12	SB 80+40	S1	SB 81+36	C	96.0	12.0	1152.0	1152.0	72.0		35.6	128.0	16			72.0		
901.49	S12	SB 80+63	S13	SB 80+74	L	11.0	12.0	132.0	132.0			4.1	14.7	16					
901.50	S13	SB 80+74	S13	SB 80+86	A	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
901.50	S13	SB 80+86	S13	SB 80+99	R	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
901.35	N7	NB 74+55	N7	NB 74+63	A	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.35	N7	NB 74+80	N8	NB 74+88	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.37	N10	NB 75+78	N10	NB 75+86	A	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.38	N11	NB 76+46	N12	NB 76+66	A	21.0	12.0	252.0	252.0	12.0		7.8	28.0	16		12.0			
901.39	N13	NB 76+97	N13	NB 77+05	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.40	N14	NB 77+53	N14	NB 77+63	A	10.0	12.0	120.0	120.0			3.7	13.3	16					
901.40	N1	NB 77+79	N1	NB 77+94	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
901.40	N1	NB 77+82	N1	NB 77+92	A	10.0	12.0	120.0	120.0			3.7	13.3	16					
901.41	N1	NB 78+04	N2	NB 78+30	R	26.0	12.0	312.0	312.0	12.0		9.6	34.7	16		12.0			
901.44	N6	NB 80+01	N7	NB 80+09	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.45	N7	NB 80+41	N8	NB 80+49	R	8.0	12.0	96.0	96.0			3.0	10.7	16					

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-7

SEE PLAN ON DWG. CPR-7	FULL DEPTH REPAIR																		
	LOCATION						REPAIR DIMENSIONS												REMARKS
	MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
	901.50	S1	SB 81+12	S1	SB 81+23	A	11.0	12.0	132.0	132.0		11.0	4.1	14.7	16				11.0	
	901.50	S1	SB 81+12	S1	SB 81+23	R	11.0	12.0	132.0	132.0			4.1	14.7	16	3				
	901.51	S2	SB 81+62	S2	SB 81+72	R	10.0	12.0	120.0	120.0			3.7	13.3	16					
	901.53	S5	SB 82+76	S6	SB 83+31	C	54.0	12.0	648.0	648.0	36.0		20.0	72.0	16			36.0		
	901.54	S5	SB 82+91	S5	SB 83+19	A	10.0	3.0	30.0	30.0			0.9	3.3	1					
	901.54	S5	SB 82+91	S6	SB 83+31	R	39.0	12.0	468.0	468.0	24.0	39.0	14.4	52.0	16			24.0	39.0	
	901.48	N10	NB 81+61	N11	NB 81+69	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.49	N12	NB 82+40	N13	NB 82+48	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.50	N13	NB 82+80	N1	NB 82+88	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
	901.51	N2	NB 83+38	N2	NB 83+46	L	8.0	12.0	96.0	96.0			3.0	10.7	16					

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-8

SEE PLAN ON DWG. CPR-8

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
901.65	S4	SB 88+68	S4	SB 88+83	C	14.0	12.0	168.0	168.0			5.2	18.7	16	4				
901.65	S4	SB 88+69	S4	SB 88+83	L	14.0	12.0	168.0	168.0			5.2	18.7	16					
901.65	S4	SB 88+90	S5	SB 88+98	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.66	S5	SB 89+30	S6	SB 89+38	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.66	S5	SB 89+29	S7	SB 89+80	L	50.0	12.0	600.0	600.0	36.0		18.5	66.7	16			36.0		
901.67	S6	SB 89+72	S7	SB 89+80	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.67	S7	SB 90+05	S8	SB 90+20	C	15.0	12.0	180.0	180.0			5.6	20.0	16	5				
901.67	S7	SB 90+05	S8	SB 90+20	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
901.68	S8	SB 90+29	S8	SB 90+39	R	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
901.68	S8	SB 90+29	S8	SB 90+39	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
901.68	S9	SB 90+66	S9	SB 90+74	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.69	S9	SB 90+92	S10	SB 91+00	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.69	S9	SB 90+92	S10	SB 91+00	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.69	S10	SB 91+27	S11	SB 91+40	R	13.0	12.0	156.0	156.0			4.8	17.3	16					
901.70	S10	SB 91+32	S11	SB 91+40	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.71	S12	SB 91+89	S14	SB 92+82	C	93.0	12.0	1116.0	1116.0	72.0		34.4	124.0	16			72.0		
901.71	S13	SB 92+27	S13	SB 92+39	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
901.72	S13	SB 92+35	S13	SB 92+43	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.72	S14	SB 92+69	S14	SB 92+82	L	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
901.73	S1	SB 93+12	S1	SB 93+27	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
901.71	S2	SB 93+50	S2	SB 93+58	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.72	S2	SB 93+75	S3	SB 94+01	C	27.0	12.0	324.0	324.0	12.0	27.0	10.0	36.0	16			12.0	27.0	
901.72	S2	SB 93+75	S3	SB 94+01	L	27.0	12.0	324.0	324.0	12.0		10.0	36.0	16			12.0		
901.73	S4	SB 94+51	S5	SB 94+61	R	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
901.73	S4	SB 94+51	S5	SB 94+61	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
901.74	S5	SB 94+74	S6	SB 94+88	C	14.0	12.0	168.0	168.0			5.2	18.7	16	4				
901.74	S5	SB 94+74	S6	SB 94+88	L	14.0	12.0	168.0	168.0			5.2	18.7	16					
901.74	S6	SB 94+82	S6	SB 94+90	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.74	S7	SB 95+01	S10	SB 95+57	R	58.0	12.0	696.0	696.0	36.0	58.0	21.5	77.3	8			36.0	58.0	
901.74	S7	SB 95+01	S10	SB 95+57	C	58.0	12.0	696.0	696.0	36.0		21.5	77.3	8			36.0		
901.74	S7	SB 95+01	S9	SB 95+37	L	44.0	12.0	528.0	528.0	24.0		16.3	58.7	16	14		24.0		
901.61	N2	NB 88+61	N2	NB 88+69	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.62	N3	NB 89+00	N3	NB 89+08	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.62	N3	NB 89+00	N3	NB 89+08	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.62	N3	NB 89+00	N3	NB 89+08	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
901.65	N7	NB 90+50	N7	NB 90+58	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.67	N9	NB 91+41	N9	NB 91+49	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.67	N10	NB 91+76	N10	NB 91+84	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.71	N2	NB 93+87	N2	NB 93+95	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.72	N3	NB 94+18	N3	NB 94+26	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.74	N6	NB 95+11	N6	NB 95+19	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.74	N6	NB 95+11	N6	NB 95+19	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
901.74	N6	NB 95+12	N7	NB 95+20	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
901.74	N7	NB 95+26	N8	NB 95+34	C	8.0	12.0	96.0	96.0			3.0	10.7	16					

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-9

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

SEE PLAN ON DWG. CPR-11

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
902.06	S6	SB 110+93	S6	SB 111+08	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
902.06	S6	SB 111+00	S6	SB 111+08	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.08	S8	SB 111+76	S8	SB 111+91	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
902.08	S8	SB 111+76	S8	SB 111+91	C	15.0	12.0	180.0	180.0			5.6	20.0	16	5				
902.08	S8	SB 111+76	S8	SB 111+91	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
902.09	S9	SB 112+26	S9	SB 112+34	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.09	S10	SB 112+56	S10	SB 112+69	C	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
902.09	S10	SB 112+56	S10	SB 112+69	L	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
902.10	S1	SB 112+93	S1	SB 113+04	C	11.0	12.0	132.0	132.0			4.1	14.7	16					
902.10	S1	SB 112+97	S1	SB 113+04	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.10	S1	SB 112+96	S1	SB 113+04	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.11	S3	SB 113+68	S3	SB 113+86	C	18.0	12.0	216.0	216.0	12.0	18.0	6.7	24.0	16		12.0		18.0	
902.11	S3	SB 113+68	S3	SB 113+86	L	18.0	12.0	216.0	216.0	12.0		6.7	24.0	16		12.0			
902.11	S3	SB 113+77	S3	SB 113+86	R	9.0	12.0	108.0	108.0			3.3	12.0	16	3				
902.12	S3	SB 113+95	S4	SB 114+03	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.12	S4	SB 114+15	S4	SB 114+30	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
902.12	S4	SB 114+22	S4	SB 114+30	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.13	S4	SB 114+42	S5	SB 114+50	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.13	S6	SB 114+70	S8	SB 115+17	C	48.0	12.0	576.0	576.0	36.0		17.8	64.0	16			36.0		
902.13	S6	SB 114+82	S8	SB 115+17	R	36.0	12.0	432.0	432.0	24.0	36.0	13.3	48.0	16			24.0	36.0	
902.14	S9	SB 115+36	S11	SB 115+74	R	38.0	12.0	456.0	456.0	24.0	28.0	14.1	50.7	16			24.0	28.0	
902.14	S9	SB 115+36	S11	SB 115+64	C	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16			12.0		
902.16	S14	SB 116+42	S22	SB 118+03	R	160.0	12.0	1920.0	1920.0	120.0	1160.0	59.3	213.3	8			120.0	1160.0	
902.16	S14	SB 116+42	S22	SB 118+03	C	160.0	12.0	1920.0	1920.0	120.0		59.3	213.3	8			120.0		
902.17	S17	SB 116+94	S22	SB 118+03	L	108.0	12.0	1296.0	1296.0	84.0		40.0	144.0	8	36		84.0		
902.04	N6	NB 111+29	N8	NB 111+70	L	42.0	12.0	504.0	504.0	24.0		15.6	56.0	8			24.0		
900.15	N6	NB 11+29	N8	NB 111+70	C	42.0	12.0	504.0	504.0	24.0		15.6	56.0	8			24.0		
902.05	N8	NB 111+70	N8	NB 112+00	R	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16	5		12.0		
900.16	N8	NB 11+85	N8	NB 111+93	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.05	N8	NB 111+85	N8	NB 111+93	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.06	N8	NB 112+06	N10	NB 112+53	L	47.0	12.0	564.0	564.0	36.0		17.4	62.7	16	15	12	24.0		
902.06	N8	NB 112+08	N4	NB 114+33	C	226.0	12.0	2712.0	2712.0	180.0		83.7	301.3	16			180.0		
902.06	N9	NB 112+17	N2	NB 113+96	R	180.0	12.0	2160.0	2160.0	132.0	165.0	66.7	240.0	16			132.0	165.0	
902.07	N11	NB 112+83	N12	NB 112+91	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.08	N12	NB 113+05	N13	NB 113+13	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.09	N15	NB 113+58	N2	NB 114+03	L	45.0	12.0	540.0	540.0	24.0		16.7	60.0	16	15		24.0		
902.12	N5	NB 114+53	N7	NB 114+91	R	38.0	12.0	456.0	456.0	24.0		14.1	50.7	16			24.0		
902.12	N6	NB 114+89	N9	NB 115+34	C	45.0	12.0	540.0	540.0	24.0		16.7	60.0	16			24.0		
902.13	N8	NB 115+26	N9	NB 115+34	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.13	N9	NB 115+49	N10	NB 115+57	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.13	N9	NB 115+49	N10	NB 115+57	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.14	N11	NB 115+75	N14	NB 116+44	C	70.0	12.0	840.0	840.0	48.0		25.9	93.3	16	23		48.0		
902.14	N11	NB 115+75	N14	NB 116+44	R	70.0	12.0	840.0	840.0	48.0	70.0	25.9	93.3	16			48.0	70.0	
902.14	N11	NB 115+86	N14	NB 116+44	L	59.0	12.0	708.0	708.0	36.0		21.9	78.7	16			36.0		
900.17	N15	NB 11+56	N15	NB 116+64	L	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
902.16	N15	NB 116+56	N15	NB 116+64	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.16	N15	NB 116+56	N15	NB 116+64	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.16	N16	NB 116+76	N26	NB 118+89	C	200.0	12.0	2400.0	2400.0	156.0		74.1	266.7	8			156.0		
902.16	N16	NB 116+88	N24	NB 118+49	L	156.0	12.0	1872.0	1872.0	120.0		57.8	208.0	16	52		120.0		
902.17	N17	NB 117+10	N26	NB 118+89	R	180.0	12.00	2160.0	2160.0	132.0	180.0	66.7	240.0	8			132.0	180.0	

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacksbms.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-10

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

FULL DEPTH REPAIR

SEE PLAN ON DWG. CPR-12

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
902.28	S1	SB 122+57	S2	SB 123+01	R	44.5	12.0	534.0	534.0	24.0	16.0	16.5	59.3	8		12	12.0	16.0	
902.29	S1	SB 122+85	S2	SB 123+01	C	16.0	12.0	192.0	192.0	12.0			21.3	16			12.0		
902.29	S2	SB 122+98	S3	SB 123+22	L	25.0	12.0	300.0	300.0	12.0		9.3	33.3	16		12			
902.29	S3	SB 123+27	S3	SB 123+39	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
902.29	S3	SB 123+27	S3	SB 123+39	C	12.0	12.0	144.0	144.0			4.4	16.0	16					
902.30	S4	SB 123+64	S2	SB 125+56	R	194.0	12.0	2328.0	2328.0	144.0	194.0	71.9	258.7	16			144.0	194.0	
902.30	S4	SB 123+64	S2	SB 125+56	C	194.0	12.0	2328.0	2328.0	144.0		71.9	258.7	16			144.0		
902.30	S4	SB 123+78	S4	SB 124+76	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.31	S4	SB 123+98	S5	SB 124+06	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.28	N1	NB 123+56	N2	NB 123+82	L	26.0	12.0	312.0	312.0	12.0	26.0	9.6	34.7	8			12.0	26.0	
902.28	N1	NB 123+56	N2	NB 123+82	C	26.0	12.0	312.0	312.0	12.0		9.6	34.7	8			12.0		
902.28	N1	NB 123+56	N2	NB 123+82	R	10.0	12.0	120.0	120.0			3.7	13.3	8	8				
902.29	N2	NB 123+96	N2	NB 124+04	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.29	N2	NB 123+96	N2	NB 124+04	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-11

SEE PLAN ON DWG. CPR-13

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
902.29	S5	SB 124+39	S6	SB 124+47	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.29	S6	SB 124+57	S6	SB 124+65	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.30	S1	SB 124+97	S1	SB 125+06	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.31	S1	SB 125+23	S2	SB 125+31	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.31	S2	SB 125+56	S3	SB 125+67	L	11.0	12.0	132.0	132.0			4.1	14.7	16					
902.32	S3	SB 125+70	S3	SB 125+96	R	26.0	12.0	312.0	312.0	12.0	26.0	9.6	34.7	16			12.0	26.0	
902.32	S3	SB 125+70	S3	SB 125+96	C	26.0	12.0	312.0	312.0	12.0		9.6	34.7	16			12.0		
902.32	S3	SB 125+83	S3	SB 125+91	A	8.0	14.5	116.0	116.0			3.6	12.9	16					
902.32	S4	SB 126+10	S7	SB 127+22	R	114.0	12.0	1368.0	1368.0	84.0		42.2	152.0	16	32		84.0		
902.32	S4	SB 126+10	S7	SB 127+22	C	114.0	12.0	1368.0	1368.0	84.0		42.2	152.0	16			84.0		
902.33	S4	SB 126+21	S5	SB 126+41	A	36.0	13.5	486.0	486.0	27.0	36.0	15.0	54.0	16			27.0	36.0	
902.34	S6	SB 127+19	S8	SB 127+71	A	52.0	12.0	624.0	624.0	36.0	14.0	19.3	69.3	16			36.0	14.0	
902.35	S7	SB 127+57	S9	SB 128+10	R	53.0	12.0	636.0	636.0	36.0		19.6	70.7	16		12	24.0		
902.34	S8	SB 127+08	S8	SB 127+88	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.36	S8	SB 127+97	S9	SB 128+10	A	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
902.36	S8	SB 127+97	S9	SB 128+10	R	13.0	12.0	156.0	156.0			4.8	17.3	16					
902.36	S8	SB 127+97	S9	SB 128+10	C	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
902.37	S9	SB 128+35	S10	SB 128+43	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
902.37	S9	SB 128+35	S10	SB 128+43	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.37	S10	SB 128+72	S3	SB 131+27	R	255.0	12.0	3060.0	3060.0	158.0		94.4	340.0	8	85		158.0		
902.37	S10	SB 128+72	S3	SB 131+27	C	255.0	12.0	3060.0	3060.0	192.0		94.4	340.0	8			192.0		
902.37	S10	SB 128+76	S11	SB 128+84	A	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.38	S12	SB 129+32	S3	SB 130+89	A	158.0	7.0	1106.0	1106.0	70.0	158.0	34.1	122.9	5			70.0	158.0	
902.40	S13	SB 130+04	S3	SB 131+27	L	123.0	12.0	1476.0	1476.0	96.0	123.0	45.6	164.0	8			96.0	123.0	
902.30	N3	NB 124+42	N3	NB 124+50	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.30	N1	NB 124+82	N1	NB 124+90	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.32	N3	NB 125+61	N3	NB 125+75	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
902.32	N3	NB 125+61	N3	NB 125+75	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
902.33	N4	NB 126+04	N4	NB 126+12	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.33	N5	NB 126+44	N5	NB 126+59	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
902.33	N5	NB 126+44	N5	NB 126+59	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
902.34	N6	NB 126+83	N6	NB 126+91	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.34	N6	NB 126+83	N6	NB 126+91	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.35	N7	NB 127+24	N7	NB 127+32	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.36	N8	NB 127+83	N9	NB 127+91	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.37	N10	NB 128+45	N10	NB 128+53	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.38	N11	NB 128+84	N11	NB 128+92	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.38	N11	NB 128+84	N11	NB 128+92	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.39	N12	NB 129+24	N12	NB 129+32	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.39	N12	NB 129+24	N12	NB 129+32	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.40	N13	NB 129+84	N14	NB 130+12	C	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16			12.0		
902.40	N14	NB 130+04	N14	NB 130+12	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.41	N1	NB 130+42	N1	NB 130+50	A	8.0	13.0	104.0	104.0			3.2	11.6	16					
902.41	N2	NB 130+86	N2	NB 130+94	A	8.0	12.0	96.0	96.0			3.0	10.7	16					

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-12

SEE PLAN ON DWG. CPR-14

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
902.47	S4	SB 133+71	S4	SB 133+89	R	18.0	12.0	216.0	216.0	12.0	18.0	6.7	24.0	8		12		18.0	
902.47	S4	SB 133+71	S4	SB 133+89	C	18.0	12.0	216.0	216.0	12.0		6.7	24.0	8		12			
902.48	S5	SB 134+24	S7	SB 134+69	R	88.0	12.0	1056.0	1056.0	60.0	10.0	32.6	117.3	16		12	48.0	10.0	
902.48	S5	SB 134+24	S5	SB 134+34	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
902.49	S6	SB 134+51	S6	SB 135+12	C	18.0	12.0	216.0	216.0	12.0		6.7	24.0	16		12			
902.50	S7	SB 134+98	S7	SB 135+06	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.50	S7	SB 135+02	S8	SB 135+22	C	20.0	12.0	240.0	240.0	12.0		7.4	26.7	16			12.0		
902.50	S1	SB 135+37	S2	SB 135+62	R	25.0	12.0	300.0	300.0	12.0	12.0	9.3	33.3	16			12.0	12.0	
902.50	S1	SB 135+37	S1	SB 135+49	C	12.0	12.0	144.0	144.0			4.4	16.0	16					
902.51	S2	SB 135+79	S2	SB 135+89	R	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
902.51	S2	SB 135+79	S2	SB 135+89	C	10.0	12.0	120.0	120.0			3.7	13.3	16	3				
902.51	S2	SB 135+79	S2	SB 135+89	L	10.0	12.0	120.0	120.0			3.7	13.3	16					
902.52	S3	SB 136+15	S3	SB 136+23	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.53	S4	SB 136+54	S4	SB 136+63	R	9.0	12.0	108.0	108.0		9.0	3.3	12.0	16				9.0	
902.53	S4	SB 136+54	S4	SB 136+63	C	9.0	12.0	108.0	108.0			3.3	12.0	16					
902.53	S4	SB 136+77	S5	SB 136+85	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.53	S5	SB 136+98	S5	SB 137+06	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.54	S6	SB 137+35	S6	SB 137+43	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.54	S6	SB 137+43	S6	SB 137+54	R	11.0	12.0	132.0	132.0			4.1	14.7	16					
902.54	S6	SB 137+59	S7	SB 137+75	C	16.0	12.0	192.0	192.0	12.0		5.9	21.3			12			
902.55	S7	SB 137+81	S7	SB 137+95	R	14.0	12.0	168.0	168.0			5.2	18.7	16					
902.55	S7	SB 137+97	S8	SB 138+05	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
902.55	S7	SB 137+97	S8	SB 138+05	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.56	S8	SB 138+17	S9	SB 138+52	R	35.0	12.0	420.0	420.0	24.0	12.0	13.0	46.7	16			24.0	12.0	
902.56	S8	SB 138+17	S8	SB 138+29	C	12.0	12.0	144.0	144.0			4.4	16.0	16	4				
902.56	S8	SB 138+17	S8	SB 138+29	L	12.0	12.0	144.0	144.0			4.4	16.0	16					
902.56	S9	SB 138+49	S9	SB 138+65	C	16.0	12.0	192.0	192.0	12.0		5.9	21.3	16		12.0			
902.56	S9	SB 138+49	S9	SB 138+57	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.57	S9	SB 138+77	S10	SB 138+85	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.55	S9	SB 138+08	S10	SB 139+11	R	31.0	12.0	372.0	372.0	24.0		11.5	41.3	16			24.0		
902.47	N3	NB 133+53	N3	NB 133+68	R	15.0	12.0	180.0	180.0			5.6	20.0	8					
902.47	N3	NB 133+68	N3	NB 133+78	A	10.0	12.0	120.0	120.0			3.7	13.3	8					
902.48	N4	NB 134+05	N4	NB 134+13	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.48	N5	NB 134+52	N6	NB 134+74	C	45.0	12.0	540.0	540.0	24.0		16.7	60.0	16			24.0		
902.50	N1	NB 135+24	N2	NB 135+63	C	39.0	12.0	468.0	468.0	24.0		14.4	52.0	16			24.0		
902.52	N3	NB 136+09	N3	NB 136+17	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.54	N6	NB 137+29	N6	NB 137+37	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.54	N6	NB 137+29	N6	NB 137+37	R	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
902.54	N6	NB 137+29	N6	NB 137+37	A	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.54	N7	NB 137+62	N7	NB 137+70	A	8.0	8.00	64.00	64.0			2.0	7.1	12					

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 - www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-13

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

SEE PLAN ON DWG. CPR-15

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
902.57	S10	SB 138+96	S10	SB 139+04	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.57	S10	SB 139+17	S11	SB 139+25	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.58	S11	SB 139+36	S11	SB 139+46	R	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
902.58	S11	SB 139+36	S11	SB 139+46	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
902.58	S11	SB 139+60	S12	SB 139+84	C	24.0	12.0	288.0	288.0	12.0	12.0	8.9	32.0	16			12.0	12.0	
902.58	S11	SB 139+60	S12	SB 139+68	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.59	S12	SB 139+72	S12	SB 139+84	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
902.59	S13	SB 140+16	S13	SB 140+24	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.60	S13	SB 140+37	S14	SB 140+45	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.60	S14	SB 140+59	S14	SB 140+66	R	20.0	12.0	240.0	240.0	12.0	20.0	7.4	26.7	8		12		20.0	
902.60	S14	SB 140+59	S14	SB 140+66	C	20.0	12.0	240.0	240.0	12.0		7.4	26.7	8		12			
902.66	S2	SB 143+68	S3	SB 144+18	R	51.0	12.0	612.0	612.0	36.0		18.9	68.0	16			36.0		
902.67	S3	SB 144+08	S4	SB 144+36	C	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16			12.0		
902.67	S4	SB 144+51	S5	SB 144+95	R	44.0	12.0	528.0	528.0	24.0	44.0	16.3	58.7	16			24.0	44.0	
902.67	S4	SB 144+51	S5	SB 144+95	C	44.0	12.0	528.0	528.0	24.0		16.3	58.7	16			24.0		
902.68	S4	SB 144+65	S5	SB 144+95	L	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16	10		12.0		
902.69	S6	SB 145+51	S7	SB 145+59	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.69	S6	SB 145+51	S7	SB 145+59	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.70	S7	SB 145+75	S1	SB 146+18	R	43.0	12.0	516.0	516.0	24.0	10.0	15.9	57.3	16		12	12.0	10.0	
902.70	S7	SB 145+77	S1	SB 145+99	C	22.0	12.0	264.0	264.0	12.0		8.1	29.3	16			12.0		
902.70	S7	SB 145+91	S1	SB 145+99	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.58	N11	NB 139+27	N11	NB 139+35	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.58	N11	NB 139+27	N11	NB 139+35	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.60	N14	NB 140+40	N14	NB 140+48	C	8.0	12.0	96.0	96.0			3.0	10.7	8					
902.66	N2	NB 143+78	N2	NB 143+86	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.68	N4	NB 144+55	N4	NB 144+63	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.68	N5	NB 145+02	N5	NB 145+10	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.69	N6	NB 145+34	N6	NB 145+42	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.69	N6	NB 145+58	N1	NB 145+66	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.70	N1	NB 145+72	N1	NB 145+79	C	8.0	12.0	96.0	96.0			3.0	10.7	16					

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-14

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

SEE PLAN ON DWG. CPR-16

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
902.71	S1	SB 146+31	S2	SB 146+39	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.71	S2	SB 146+53	S2	SB 146+61	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.72	S2	SB 146+71	S3	SB 146+79	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.72	S3	SB 146+92	S3	SB 147+02	R	10.0	12.0	120.0	120.0		10.0	3.7	13.3	16				10.0	
902.72	S3	SB 146+92	S3	SB 147+02	C	10.0	12.0	120.0	120.0			3.7	13.3	16	3				
902.72	S3	SB 146+92	S3	SB 147+02	L	10.0	12.0	120.0	120.0			3.7	13.3	16					
902.72	S3	SB 147+10	S4	SB 147+18	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.72	S3	SB 147+10	S4	SB 147+18	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.73	S4	SB 147+51	S5	SB 147+61	C	10.0	12.0	120.0	120.0			3.7	13.3	16					
902.73	S4	SB 147+54	S5	SB 147+61	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.74	S5	SB 147+88	S6	SB 147+96	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.74	S6	SB 148+03	S6	SB 148+15	C	12.0	12.0	144.0	144.0			4.4	16.0	16					
902.74	S6	SB 148+23	S7	SB 148+43	R	20.0	12.0	240.0	240.0	12.0		7.4	26.7	16		12			
902.75	S7	SB 148+65	S8	SB 148+95	R	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16		12			
902.75	S7	SB 148+68	S8	SB 148+76	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.76	S8	SB 148+95	S8	SB 149+03	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.76	S8	SB 149+12	S9	SB 149+36	R	24.0	12.0	288.0	288.0	12.0	24.0	8.9	32.0	16		12		24.0	
902.76	S8	SB 149+12	S9	SB 149+36	C	24.0	12.0	288.0	288.0	12.0		8.9	32.0	16		12			
902.76	S8	SB 149+12	S9	SB 149+44	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.77	S9	SB 149+44	S10	SB 149+56	L	12.0	12.0	144.0	144.0			4.4	16.0	16					
902.78	S10	SB 149+91	S11	SB 149+99	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.78	S10	SB 149+91	S11	SB 149+99	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.78	S11	SB 150+18	S11	SB 150+26	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.78	S11	SB 150+31	S12	SB 150+39	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.79	S11	SB 150+61	S12	SB 150+39	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.79	S12	SB 150+52	S12	SB 150+52	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.79	S12	SB 150+52	S12	SB 150+60	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.79	S12	SB 150+60	S13	SB 150+76	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.79	S12	SB 150+68	S13	SB 150+76	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.79	S13	SB 150+86	S13	SB 150+99	C	13.0	12.0	156.0	156.0			4.8	17.3	16					
902.79	S13	SB 150+86	S13	SB 150+99	L	13.0	12.0	156.0	156.0			4.8	17.3	16	4				
902.80	S13	SB 150+91	S13	SB 150+99	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.80	S13	SB 151+09	S1	SB 151+17	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.81	S2	SB 151+66	S3	SB 152+16	R	50.0	12.0	600.0	600.0	36.0	50.0	18.5	66.7	8			36.0	50.0	
902.81	S2	SB 151+66	S3	SB 152+16	C	50.0	12.0	600.0	600.0	36.0			66.7	8			36.0		
902.81	S2	SB 151+94	S3	SB 152+16	L	22.0	12.0	264.0	264.0	12.0		8.1	29.3	8	7		12.0		
902.71	N2	NB 146+22	N2	NB 146+30	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.71	N2	NB 146+22	N2	NB 146+30	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
902.72	N3	NB 146+60	N3	NB 146+68	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.75	N7	NB 148+15	N7	NB 148+23	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.75	N8	NB 148+55	N8	NB 148+71	C	16.0	12.0	192.0	192.0	12.0		5.9	21.3	16		12.0			
902.75	N8	NB 148+55	N8	NB 148+63	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.76	N9	NB 149+00	N9	NB 149+08	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.78	N11	NB 149+75	N11	NB 149+33	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.79	N13	NB 150+53	N13	NB 150+61	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
902.80	N14	NB 150+92	N14	NB 151+06	C	14.0	12.0	168.0	168.0			5.2	18.7	16					
902.80	N1	NB 151+35	N1	NB 151+47	L	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
902.80	N1	NB 151+35	N1	NB 151+47	C	12.0	12.0	144.0	144.0			4.4	16.0	16					
902.82	N3	NB 152+01	N3	NB 152+16	L	15.00	12.00	180.00	180.0			5.6	20.0	8					

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-15

SEE PLAN ON DWG. CPR-17

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
902.88	S7	SB 155+30	S8	SB 155+50	R	20.0	12.0	240.0	240.0	12.0	11.0	7.4	26.7	16			12.0	11.0	
902.88	S7	SB 155+39	S8	SB 155+50	C	11.0	12.0	132.0	132.0			4.1	14.7	16					
902.89	S9	SB 155+77	S10	SB 156+87	A	15.0	4.0	60.0	60.0			1.9	6.7	4					

SEE PLAN ON DWG. CPR-18

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													REMARKS
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	
903.09	S11	SB 166+39	S11	SB 1664+77	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.11	S15	SB 167+32	S16	SB 167+43	R	11.0	12.0	132.0	132.0		11.0	4.1	14.7	16				11.0	
903.11	S15	SB 167+32	S16	SB 167+43	C	11.0	12.0	132.0	132.0			4.1	14.7	16	6				
903.11	S15	SB 167+32	S16	SB 167+43	L	11.0	12.0	132.0	132.0			4.1	14.7	16					
903.11	S16	SB 167+41	S17	SB 167+83	A	31.0	15.0	465.0	465.0	30.0		14.4	51.7			12	18.0		
903.09	N9	NB 166+19	N10	NB 166+26	A	8.0	8.0	64.0	64.0			2.0	7.1	12					

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.8500 • www.chacbltons.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-16

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

SEE PLAN ON DWG. CPR-19

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS												
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.16	S2	SB 170+72	S4	SB 171+17	L	45.0	12.0	540.0	540.0	24.0	13.0	16.7	60.0	8			24.0	13.0	
903.16	S2	SB 170+82	S3	SB 170+95	C	13.0	12.0	156.0	156.0			4.8	17.3	8					
903.16	S3	SB 170+89	S3	SB 170+97	A	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.18	S7	SB 171+82	S10	SB 172+36	L	54.0	12.0	648.0	648.0	36.0		20.0	72.0	16			36.0		
903.19	S11	SB 172+62	S12	SB 172+72	L	10.0	12.0	120.0	120.0			3.7	13.3	16					
903.20	S13	SB 172+87	S13	SB 172+96	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.20	S1	SB 173+10	S2	SB 173+23	L	13.0	12.0	156.0	156.0			4.8	17.3	16					
903.20	S1	SB 173+10	S1	SB 173+23	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.20	S2	SB 173+28	S3	SB 173+43	A	15.0	8.0	120.0	120.0			3.7	13.3	12					
903.21	S4	SB 173+68	S6	SB 174+18	A	50.0	4.5	225.0	225.0	13.5		6.9	25.0	4			13.5		
903.21	S4	SB 173+78	S5	SB 173+86	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.23	S7	SB 174+41	S8	SB 174+53	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
903.23	S7	SB 174+41	S8	SB 174+53	C	12.0	12.0	144.0	144.0			4.4	16.0	16	4				
903.23	S7	SB 174+41	S8	SB 174+53	L	12.0	12.0	144.0	144.0			4.4	16.0	16					
903.23	S9	SB 174+68	S9	SB 174+76	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.23	S10	SB 174+88	S11	SB 175+16	R	28.0	12.0	336.0	336.0	12.0	28.0	10.4	37.3	16			12.0	28.0	
903.23	S10	SB 174+88	S11	SB 175+16	C	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16	9		12.0		
903.23	S10	SB 174+88	S11	SB 175+16	L	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16			12.0		
903.25	S13	SB 175+61	S14	SB 175+76	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
903.25	S13	SB 175+60	S14	SB 175+76	C	15.0	12.0	180.0	180.0			5.6	20.0	16	6				
903.25	S13	SB 175+61	S14	SB 175+76	L	15.0	12.0	180.0	180.0			5.6	20.0	16					
903.17	N6	NB 170+80	N7	NB 170+87	A	8.0	15.0	120.0	120.0		13.0	3.7	13.3	8	2			13.0	
903.17	N6	NB 170+79	N7	NB 170+87	C	8.0	12.0	96.0	96.0			3.0	10.7	8					
903.19	N11	NB 171+72	N11	NB 171+80	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.20	N13	NB 172+20	N1	NB 172+41	C	20.0	12.0	240.0	240.0	12.0		7.4	26.7	16	6		12.0		
903.20	N13	NB 172+20	N1	NB 172+41	R	20.0	12.0	240.0	240.0	12.0	20.0	7.4	26.7	16			12.0	20.0	
903.24	N1	NB 172+31	N1	NB 172+40	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.26	N16	NB 175+33	N16	NB 175+41	R	8.0	12.0	96.0	96.0			3.0	10.7	16					

SEE PLAN ON DWG. CPR-20

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS												
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.27	S19	SB 176+76	S20	SB 176+85	R	9.0	12.0	108.0	108.0		9.0	3.3	12.0	16				9.0	
903.27	S19	SB 176+76	S20	SB 176+85	C	9.0	12.0	108.0	108.0			3.3	12.0	16	3				
903.27	S19	SB 176+76	S20	SB 176+85	L	9.0	12.0	108.0	108.0			3.3	12.0	16					
903.33	S1	SB 180+16	S1	SB 180+25	C	8.0	12.0	96.0	96.0			3.0	10.7	8					
903.34	S2	SB 180+39	S3	SB 180+61	R	22.0	12.0	264.0	264.0	12.0		8.1	29.3	16		12			
903.35	S5	SB 181+02	S7	SB 181+34	R	32.0	12.0	384.0	384.0	24.0	32.0	11.9	42.7	16			24.0	32.0	
903.35	S5	SB 181+01	S7	SB 181+34	C	32.0	12.0	384.0	384.0	24.0		11.9	42.7	16			24.0		
903.37	S12	SB 182+25	S12	SB 182+33	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.38	S12	SB 182+52	S12	SB 182+33	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.38	S13	SB 182+58	S14	SB 182+66	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.27	N20	NB 176+13	N20	NB 176+21	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.28	N20	NB 176+25	N23	NB 176+68	A	42.0	16.0	672.0	672.0	32.0		20.7	74.7	16	14		32.0		
903.28	N23	NB 176+73	N23	NB 176+81	C	8.0	12.0	96.0	96.0			3.0	10.7	8					

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE	DRAWING NUMBER: CPRT-17

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

FULL DEPTH REPAIR

SEE PLAN ON DWG. CPR-21

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.39	S1	SB 182+85	S1	SB 182+93	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.41	S2	SB 183+05	S2	SB 183+13	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.42	S6	SB 183+84	S6	SB 183+82	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.42	S7	SB 184+06	S8	SB 184+19	R	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
903.42	S7	SB 184+06	S8	SB 184+32	C	26.0	12.0	312.0	312.0	12.0		9.6	34.7	16	8		12.0		
903.42	S7	SB 184+06	S8	SB 184+19	L	13.0	12.0	156.0	156.0			4.8	17.3	16					
903.45	S15	SB 185+65	S15	SB 185+73	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.45	S15	SB 185+65	S15	SB 185+73	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.51	S2	SB 188+81	S2	SB 188+89	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.52	S4	SB 189+22	S4	SB 189+31	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.52	S4	SB 189+22	S4	SB 189+31	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.52	S5	SB 189+43	S5	SB 189+51	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.52	S5	SB 189+43	S6	SB 189+67	C	24.0	12.0	288.0	288.0	12.0		8.9	32.0	16			12.0		
903.53	S5	SB 189+55	S6	SB 189+67	L	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
903.40	N2	NB 183+05	N2	NB 183+13	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.41	N3	NB 183+25	N3	NB 183+33	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.45	N14	NB 185+38	N15	NB 185+60	A	22.0	3.0	66.0	66.0	3.0		2.0	7.3	2			3.0		
903.46	N15	NB 185+76	N17	NB 186+08	L	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16			12.0		
903.46	N15	NB 185+76	N17	NB 186+08	C	30.0	12.0	360.0	360.0	12.0		11.1	40.0	16	10		12.0		
903.46	N15	NB 185+76	N17	NB 186+08	R	30.0	12.0	360.0	360.0	12.0	43.0	11.1	40.0	16			12.0	43.0	
903.51	N1	NB 188+55	N1	NB 188+65	C	8.0	12.0	96.0	96.0			3.0	10.7	8					
903.51	N1	NB 188+55	N1	NB 188+65	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	8				8.0	
903.52	N5	NB 189+41	N5	NB 189+49	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.52	N5	NB 189+41	N5	NB 189+49	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-18

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

SEE PLAN ON DWG. CPR-22

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.54	S8	SB 190+16	S9	SB 190+25	C	9.0	12.0	108.0	108.0			3.3	12.0	16					
903.55	S11	SB 190+76	S13	SB 191+00	C	24.0	12.0	288.0	288.0	12.0		8.9	32.0	16			12.0		
903.55	S11	SB 190+76	S12	SB 190+91	L	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
903.56	S15	SB 191+43	S15	SB 191+51	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.60	S26	SB 193+64	S26	SB 193+72	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.60	S26	SB 193+64	S26	SB 193+72	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
903.60	S26	SB 193+64	S26	SB 193+72	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.61	S27	SB 193+83	S28	SB 194+07	R	24.0	12.0	288.0	288.0	12.0		8.9	32.0	16		12.0			
903.61	S27	SB 193+83	S27	SB 193+91	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.61	S28	SB 194+14	S1	SB 194+28	C	14.0	12.0	168.0	168.0		14.0	5.2	18.7	16				14.0	
903.61	S28	SB 194+14	S1	SB 194+28	L	14.0	12.0	168.0	168.0			5.2	18.7	16					
903.53	N7	NB 189+81	N7	NB 189+89	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.53	N7	NB 189+81	N7	NB 189+89	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.35	N8	NB 180+04	N9	NB 190+18	L	14.0	12.0	168.0	168.0			5.2	18.7	16	4				
903.54	N8	NB 190+04	N9	NB 190+18	C	14.0	12.0	168.0	168.0			5.2	18.7	16					
903.54	N8	NB 190+04	N9	NB 190+18	R	14.0	12.0	168.0	168.0		14.0	5.2	18.7	16				14.0	
903.54	N9	NB 190+31	N10	NB 190+39	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.55	N11	NB 190+61	N11	NB 190+69	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.55	N12	NB 190+94	N14	NB 191+16	C	22.0	12.0	264.0	264.0	12.0		8.1	29.3	16			12.0		
903.57	N17	NB 191+81	N17	NB 191+89	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.57	N17	NB 191+81	N17	NB 191+89	C	8.0	12.0	96.0	96.0			3.0	10.7	16	2				
903.57	N17	NB 191+81	N17	NB 191+89	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.59	N23	NB 193+01	N23	NB 193+09	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.60	N1	NB 193+41	N1	NB 193+49	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.61	N3	NB 193+81	N3	NB 193+89	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.62	N7	NB 194+57	N7	NB 194+64	C	14.5	12.0	174.0	174.0			5.4	19.3	16					
903.62	N7	NB 194+57	N7	NB 194+64	R	14.5	12.0	174.0	174.0		23.0	5.4	19.3	16				23.0	

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR
092577

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacalibrms.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-19

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

FULL DEPTH REPAIR

SEE PLAN ON DWG. CPR-23

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.68	S4	SB 198+63	S4	SB 198+71	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.69	S5	SB 198+85	S5	SB 198+93	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.70	S7	SB 199+25	S7	SB 199+33	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.70	S1	SB 199+45	S1	SB 199+53	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.70	S1	SB 199+45	S1	SB 199+53	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.70	S2	SB 199+65	S2	SB 199+73	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.70	S2	SB 199+65	S2	SB 199+73	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.71	S3	SB 199+87	S4	SB 200+00	R	13.0	12.0	156.0	156.0			4.8	17.3	16					
903.72	S7	SB 200+65	S7	SB 200+73	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.73	S9	SB 201+05	S9	SB 201+13	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.73	S9	SB 201+05	S9	SB 201+13	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.73	S10	SB 201+25	S10	SB 201+33	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.73	S10	SB 201+25	S10	SB 201+33	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.74	S11	20145.46	S12	SB 201+73	R	28.0	12.0	336.0	336.0	12.0	28.0	10.4	37.3	16			12.0	28.0	
903.74	S11	SB 201+45	S12	SB 201+73	C	28.0	12.0	336.0	336.0	12.0		10.4	37.3	16			12.0		
903.74	S13	SB 201+86	S14	SB 201+94	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.74	S13	SB 201+86	S14	SB 201+94	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.68	N1	NB 198+69	N2	NB 198+78	R	8.5	12.0	102.0	102.0		8.5	3.1	11.3	16				8.5	
903.69	N3	NB 199+04	N4	NB 199+18	A	14.0	3.0	42.0	42.0			1.3	4.7	2					
903.73	N14	NB 201+23	N14	NB 201+31	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.74	N17	NB 201+83	N17	NB 201+97	C	14.0	12.0	168.0	168.0			5.2	18.7	16					
903.74	N17	NB 201+83	N17	NB 201+91	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.74	N17	NB 201+83	N17	NB 201+91	A	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-20

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

FULL DEPTH REPAIR

SEE PLAN ON DWG. CPR-24

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.80	S2	SB 204+96	S3	SB 205+13	C	16.0	12.0	192.0	192.0	12.0		5.9	21.3	8			12.0		
903.80	S2	SB 204+96	S2	SB 205+05	R	8.0	12.0	96.0	96.0			3.0	10.7	8					
903.81	S3	SB 205+21	S3	SB 205+27	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.81	S3	SB 205+24	S4	SB 205+32	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.82	S5	SB 205+63	S6	SB 205+74	L	11.0	12.0	132.0	132.0			4.1	14.7	16					
903.82	S6	SB 205+74	S11	SB 206+76	A	104.0	9.5	988.0	988.0	57.0		30.5	109.8	16			57.0		
903.82	S7	SB 205+89	S7	SB 205+97	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.82	S8	SB 206+08	S8	SB 206+16	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.83	S9	SB 206+29	S11	SB 206+76	R	48.0	12.0	576.0	576.0	36.0		17.8	64.0	16			36.0		
903.83	S9	SB 206+29	S11	SB 206+63	C	34.0	12.0	408.0	408.0	24.0		12.6	45.3	16	10		24.0		
903.84	S12	SB 206+91	S13	SB 207+02	C	11.0	12.0	132.0	132.0			4.1	14.7	16					
903.85	S14	SB 207+35	S15	SB 207+45	A	10.0	12.0	120.0	120.0			3.7	13.3	16					
903.86	S17	SB 207+93	S18	SB 208+17	L	23.0	12.0	276.0	276.0	12.0		8.5	30.7	16		12			
903.86	S18	SB 208+12	S20	SB 208+24	A	40.0	12.0	480.0	480.0	24.0		14.8	53.3	16			24.0		
903.86	S18	SB 208+12	S19	SB 208+24	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
903.86	S18	SB 208+19	S19	SB 208+27	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.87	S21	SB 208+69	S22	SB 208+92	A	23.0	12.0	276.0	276.0	12.0		8.5	30.7	16	3		12.0		
903.87	S21	SB 208+69	S22	SB 208+84	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
903.90	S23	SB 209+09	S3	SB 209+67	A	60.0	12.0	720.0	720.0	36.0		22.2	80.0	16		12	24.0		
903.90	S23	SB 209+09	S1	SB 209+09	R	13.0	12.0	156.0	156.0		13.0	4.8	17.3	16				13.0	
903.90	S1	SB 209+36	S2	SB 209+44	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.91	S2	SB 209+55	S3	SB 209+63	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.92	S6	SB 210+24	S6	SB 210+31	A	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.92	S6	SB 210+27	S7	SB 210+27	L	12.0	12.0	144.0	144.0			4.4	16.0	16					
903.92	S6	SB 210+37	S7	SB 210+47	R	10.0	12.0	120.0	120.0			3.7	13.3	16					
903.89	N24	NB 209+45	N25	NB 209+54	R	9.0	12.0	108.0	108.0			3.3	12.0	16	3				
903.89	N26	NB 209+85	N27	NB 209+93	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.89	N26	NB 209+85	N27	NB 209+93	R	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.90	N27	NB 210+05	N1	NB 210+13	C	8.0	12.0	96.0	96.0			3.0	10.7	16					

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA

ITEM	DESCRIPTION	UNITS
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobldms.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: CPRT-21

ITEM	DESCRIPTION	UNITS
304.00010018	FINE GRADING OF EXISTING SUBBASE	SF
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF
502.9310	SEALING LONGITUDINAL JOINTS - HIGHWAY JOINT SEALER	LF
510.00120018	PORTLAND CEMENT CONCRETE (PCC) FOR FULL-DEPTH PAVEMENT REPAIRS -UNREINFORCED, PEM, FRICTION TYPE 2	CY
510.20000018	PORTLAND CEMENT CONCRETE (PCC) PAVEMENT LIFT OUT	SY
510.81000018	DRILL AND ANCHOR DOWELS FOR PCC PAVEMENT REPAIRS	EA
510.81100018	DRILL AND ANCHOR TIES FOR PCC PAVEMENT REPAIRS	EA
510.91000018	TRANSVERSE JOINTS FOR PCC PAVEMENT REPAIRS	LF
510.91100018	LONGITUDINAL JOINTS FOR PCC PAVEMENT REPAIRS	LF

SEE PLAN ON DWG. CPR-25

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
903.93	S9	SB 210+85	S10	SB 211+09	R	24.0	12.0	288.0	288.0	12.0		8.9	32.0	16		12			
903.93	S9	SB 210+85	S10	SB 211+11	C	26.0	12.0	312.0	312.0	12.0		9.6	34.7	16		12			
903.94	S12	SB 211+43	S15	SB 212+16	A	74.0	15.5	1147.0	1147.0	62.0		35.4	127.4	16			62.0		
903.94	S12	SB 211+43	S14	SB 211+75	R	33.0	12.0	396.0	396.0	24.0	33.0	12.2	44.0	16			24.0	33.0	
903.95	S14	SB 211+87	S15	SB 211+95	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.95	S15	SB 212+12	S16	SB 212+25	R	13.0	12.0	156.0	156.0			4.8	17.3	16					
903.96	S17	SB 212+41	S18	SB 212+55	R	14.0	12.0	168.0	168.0			5.2	18.7	16					
903.97	S19	SB 212+86	S20	SB 212+97	R	11.0	12.0	132.0	132.0			4.1	14.7	16					
903.97	S19	SB 212+89	S20	SB 212+97	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.98	S22	SB 213+46	S23	SB 213+59	R	13.0	12.0	156.0	156.0			4.8	17.3	16					
903.98	S22	SB 213+51	S23	SB 213+59	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.99	S24	SB 213+93	S25	SB 214+01	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.01	S2	SB 214+71	S3	SB 214+79	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.01	S3	SB 214+90	S4	SB 215+00	R	10.0	12.0	120.0	120.0			3.7	13.3	16					
904.02	S6	SB 215+50	S7	SB 215+62	C	12.0	12.0	144.0	144.0			4.4	16.0	16					
904.02	S6	SB 215+50	S7	SB 215+62	R	12.0	12.0	144.0	144.0		12.0	4.4	16.0	16				12.0	
904.05	S13	SB 216+89	S14	SB 217+04	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
904.05	S13	SB 216+89	S14	SB 217+04	C	15.0	12.0	180.0	180.0			5.6	20.0	16					
904.06	S15	SB 217+29	S16	SB 217+37	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.06	S16	SB 217+55	S18	SB 217+75	C	20.0	12.0	240.0	240.0	12.0		7.4	26.7	16		12			
903.93	N9	NB 211+86	N12	NB 212+31	C	45.0	12.0	540.0	540.0	24.0		16.7	60.0	16			24.0		
903.94	N10	NB 212+01	N11	NB 212+16	R	15.0	12.0	180.0	180.0		15.0	5.6	20.0	16				15.0	
903.95	N13	NB 212+65	N14	NB 212+72	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
903.95	N13	NB 212+65	N14	NB 212+72	C	8.0	12.0	96.0	96.0		8.0	3.0	10.7	16				8.0	
903.97	N19	NB 213+84	N20	NB 213+92	C	9.0	12.0	108.0	108.0			3.3	12.0	16					
903.97	N20	NB 214+05	N21	NB 214+14	R	9.0	12.0	108.0	108.0			3.3	12.0	16					
903.98	N22	NB 214+44	N23	NB 214+52	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.02	N4	NB 215+44	N5	NB 215+52	C	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.02	N6	NB 215+84	N7	NB 215+92	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.03	N7	NB 216+02	N8	NB 216+21	C	19.0	12.0	228.0	228.0	12.0		7.0	25.3	16		12			
904.03	N8	NB 216+21	N9	NB 216+29	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.03	N9	NB 216+43	N10	NB 216+53	R	10.0	12.0	120.0	120.0			3.7	13.3	16					
904.04	N10	NB 216+63	N11	NB 216+71	L	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.04	N10	NB 216+65	N13	NB 216+89	A	25.0	12.0	300.0	300.0	12.0		9.3	33.3	16			12.0		
904.04	N13	NB 216+97	N14	NB 217+08	R	12.0	12.0	144.0	144.0			4.4	16.0	16					
904.05	N14	NB 217+25	N15	NB 217+32	R	8.0	12.0	96.0	96.0			3.0	10.7	16					
904.06	N16	NB 217+61	N17	NB 217+70	L	10.0	12.0	120.0	120.0			3.7	13.3	16					
904.06	N16	NB 217+61	N17	NB 217+70	R	10.0	12.0	120.0	120.0			3.7	13.3	16					

SEE PLAN ON DWG. CPR-26

FULL DEPTH REPAIR

LOCATION						REPAIR DIMENSIONS													
MILE MARKER	START SLAB	START STATION	END SLAB	END STATION	LANE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.00010018 (SF)	ITEM 502.90010018 (LF)	ITEM 502.9310 (LF)	ITEM 510.00120018 (CY)	ITEM 510.20000018 (SY)	ITEM 510.81000018 (EA)	ITEM 510.81100018 (EA)	ITEM 510.91000018 (LF) (HINGE)	ITEM 510.91000018 (LF)	ITEM 510.91100018 (LF)	REMARKS
904.07	S18	SB 217+84	S19	SB 217+92	R	8.0	12.0	96.0	96.0			3.0	10.7	16					

DESIGNED BY: P AMICONE
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

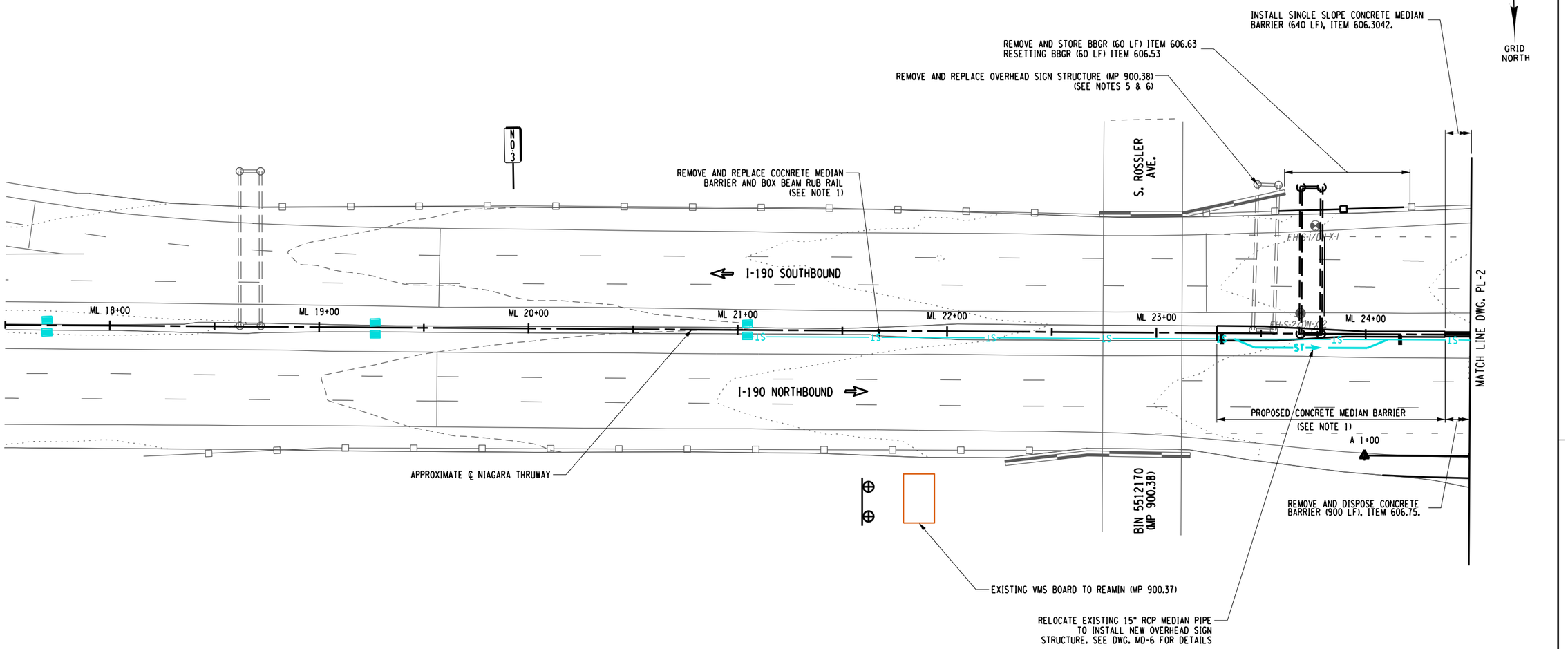
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: CONCRETE PAVEMENT REPAIR TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: CPRT-22

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

GRID NORTH



GENERAL PLAN NOTES

1. SEE DWGS. MT-16 TO MT-19 FOR GUIDERAIL REMOVAL AND INSTALLATION TABLES
2. SEE SSP PLANS FOR LANE WIDTHS, PAVEMENT MARKINGS AND SIGN LOCATIONS.
3. SEE DWG. MT-5 TO MT-15 FOR DRAINAGE TABLES.
4. SEE DWG. MD-5 FOR DRAINAGE DETAILS.

PL-1 NOTES

5. SEE DWGS. SSP-1 FOR SIGN PANEL STRUCTURE LOCATIONS, SDS-4 FOR SIGN PANEL LAYOUT, AND OSP-01 TO OSP-02 FOR SIGN STRUCTURE DETAILS. SEE DWGS. OSP-01 AND OSD-14 FOR CONCRETE MEDIAN BARRIER LAYOUT AND DETAILS.
6. SEE MT-19 FOR OVERHEAD SIGN PANEL STRUCTURE REMOVAL TABLE

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED 092577 PROFESSIONAL ENGINEER EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

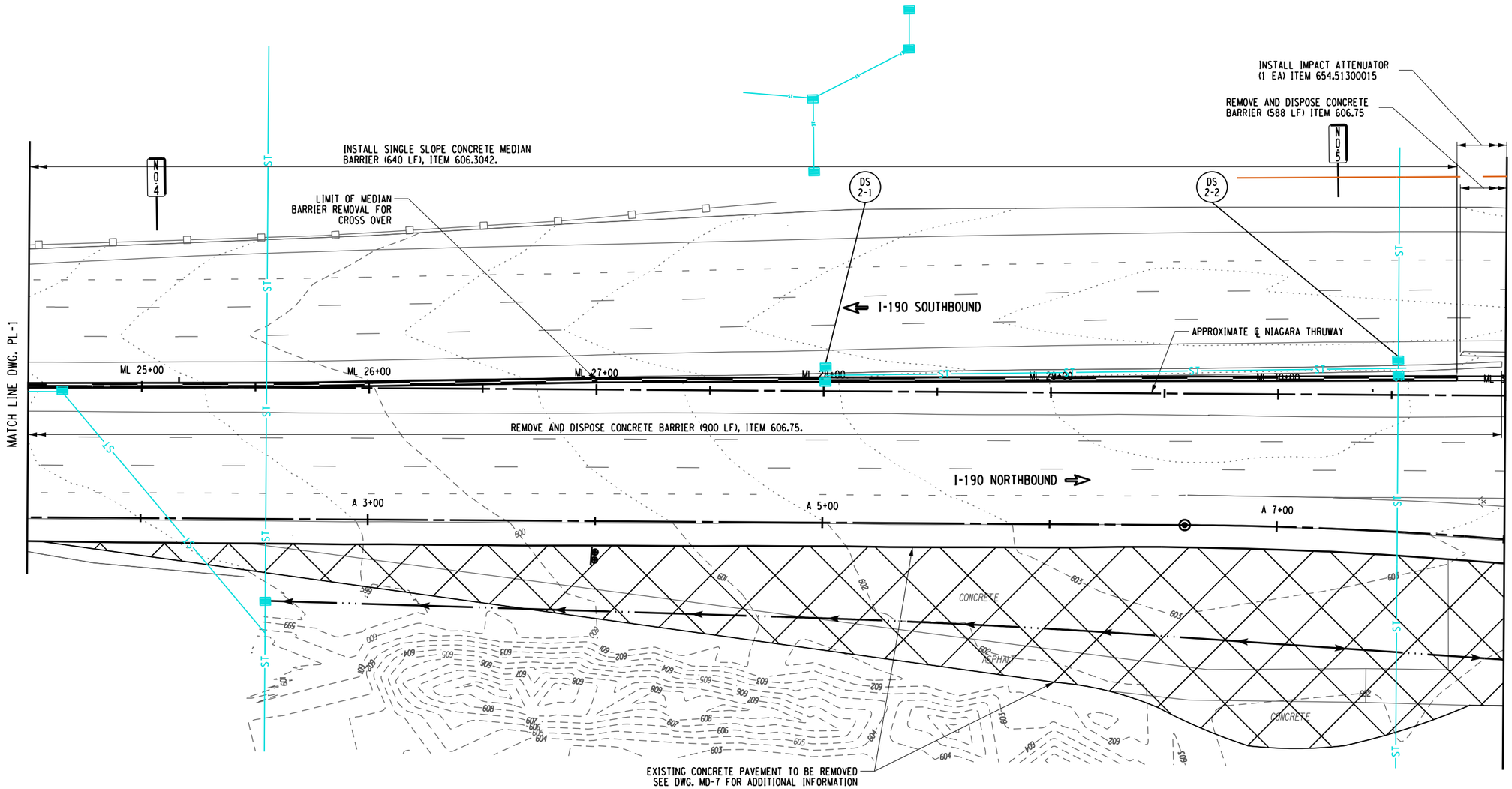
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
50 Wolf Road, Floor Three
Albany, NY 12205-2722
518.453.4500 • www.chacbAlbany.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-1

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

DS X-X — PROPOSED DRAINAGE STRUCTURE
(SEE TABLES ON DWGS MT-5 TO MT-15)

SCALE 1" = 50'
0 25 50 FEET

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: ROADWAY PLANS	DRAWING NUMBER: PL-2

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

MATCH LINE DWG. PL-4

RAMP "B"

RAMP "D"

CURVE NO. D-2

GRID NORTH

EXIT 1

CURVE NO. B-1

TO I-190 SOUTHBOUND

B 5+00

TO DS 4-12

DS 3-7

TO DS 5-4

CURVE NO. D-1

TO S. OGDEN ST.

D 3+00

FO

E

END RAMP B MILL AND OVERLAY
STA. B 6+12

CURVE NO. B-2

B 7+70

B 7+00

CUTTING PAVEMENT (30 LF)
ITEM 627.50140008

BEGIN FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
STA. ML 37+88 (SOUTHBOUND)

NO 6

DS 3-3

ST

DS 3-4

TO DS 5-1

IS

REMOVE AND DISPOSE CONCRETE BARRIER (588 LF) ITEM 606.75

INSTALL IMPACT ATTENUATOR
(1 EA) ITEM 654.51300015
ITEM 654.05

50'

I-190 SOUTHBOUND

INSTALL SINGLE SLOPE CONCRETE MEDIAN BARRIER (541 LF) ITEM 606.3042

DS 3-2

ML 32+00
ML 33+00
ML 34+00
ML 35+00
ML 36+00
ML 37+00
ML 38+00

MATCH LINE DWG. PL-2

INSTALL IMPACT ATTENUATOR
(1 EA) ITEM 654.51300015
ITEM 654.05

I-190 NORTHBOUND

APPROXIMATE ℄ NIAGARA THRUWAY

DS 3-1

REMOVE & DISPOSE IMPACT ATTENUATOR SYSTEM (1 EA) ITEM 654.0701.

MATCH LINE DWG. PL-5

CUTTING PAVEMENT (30 LF)
ITEM 627.50140008

A 9+00

TO DINGENS ST.

RAMP "A"

INSTALL BOX BEAM END ASSEMBLY, TYPE III
ITEM 606.1203

INSTALL BBGR (18 LF)
ITEM 606.10

INSTALL TRANSITION: BBGR TO SSCB
ITEM 606.8806

A 11+00

BEGIN FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
STA. ML 37+82 (NORTHBOUND)

DS 3-5

DS 3-6

RAMP "C"

C 9+00

TO I-190 NB

ST

TO DS 4-6

CURVE NO. C-3

CURVE NO. C-2

CURVE NO. A-2

CURVE NO. A-1

END RAMP A MILL AND OVERLAY
STA. A 9+81

0 25 50 FEET
SCALE 1" = 50'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

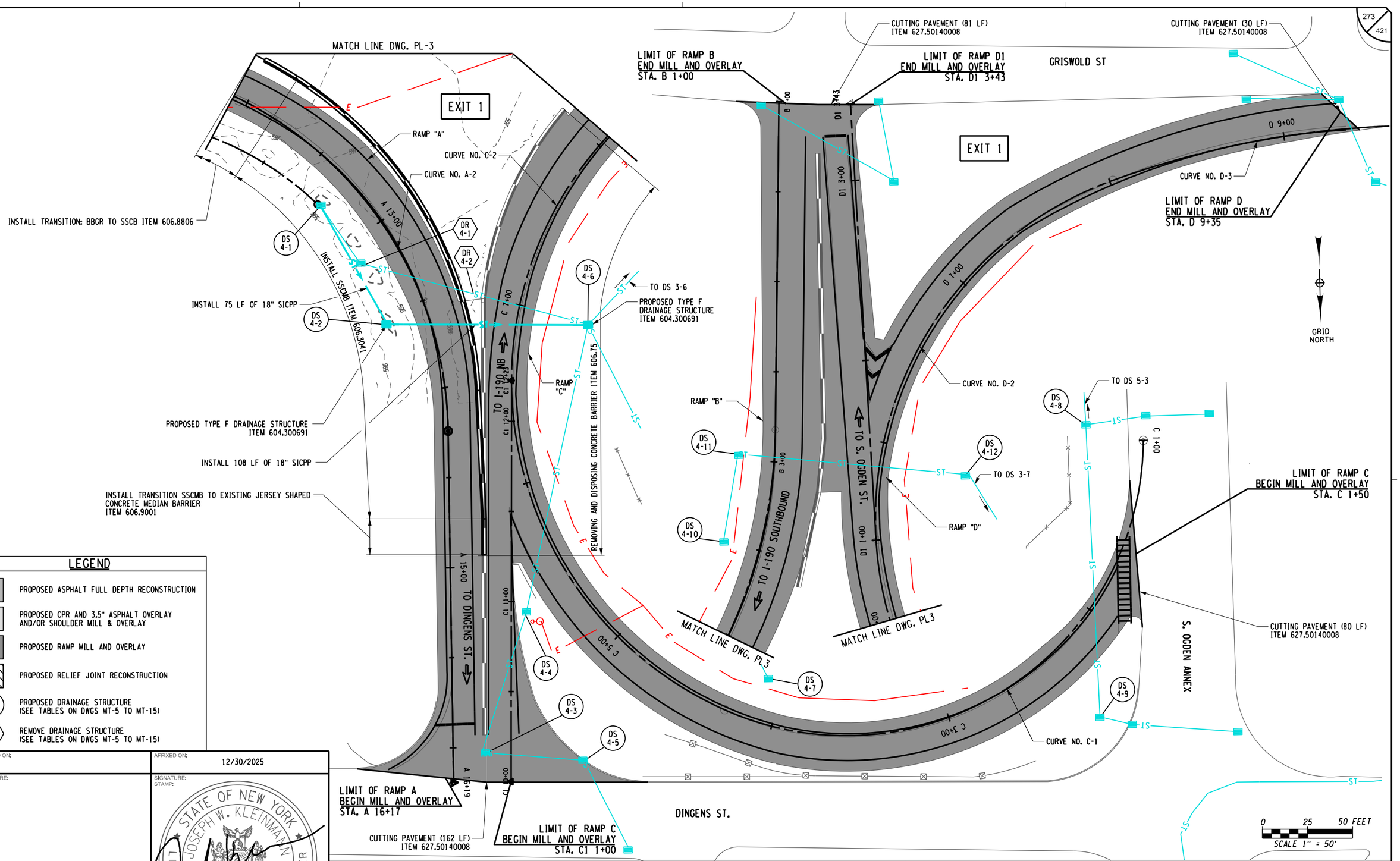
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-3

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)
- DS X-X — REMOVE DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-4

GRID NORTH

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
BEGIN RAMP D MILL AND OVERLAY
STA. D 1+86

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
BEGIN 3.5" ASPHALT OVERLAY (TRAVEL LANES & SHOULDERS)
STA. ML 43+60

BEGIN FULL DEPTH ASPHALT PAVEMENT TRANSITION TO 3.5" OVERLAY (SEE NOTE 2)
STA. ML 41+75

REMOVE AND DISPOSING TURNED-DOWN TERMINAL, BBGR ITEM 606.7920

REMOVE AND DISPOSE BBGR (238 LF) ITEM 606.73

EXISTING OVERHEAD SIGN STRUCTURE (TO BE REMOVED) (SEE NOTE 1)

TO DS 6-4

S. OGDEN ANNEX

TO S. OGDEN ST. 00+10

I-190 SOUTHBOUND

I-190 NORTHBOUND

APPROXIMATE ℄ NIAGARA THRUWAY

TO I-190 NB

C 10+94

ML 39+00 | ML 40+00 | ML 41+00 | ML 42+00 | ML 43+00 | ML 44+00 | ML 45+00

MATCH LINE DWG. PL-3

MATCH LINE DWG. PL-6

BIN 5512170 (MP 900.70)

DS 5-1, DS 5-2, DS 5-3, DS 5-4, DS 5-5, DS 5-6, DS 5-7, DS 5-8, DS 5-9, DS 5-10, DS 5-11, DS 5-12, DS 5-13, DS 5-14, DS 5-15, DS 5-16, DS 5-17, DS 5-18, DS 5-19, DS 5-20, DS 5-21

N 0 7, N 0 8

ST, FO, E

END RAMP C MILL AND OVERLAY
BEGIN FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
STA. C 10+00

REMOVE EXISTING BOX BEAM GUIDE RAIL ATTACHED TO THE MEDIAN CONCRETE BARRIER PIER PROTECTION. REPLACE WITH PROPOSED BOX BEAM GUIDE RAIL ATTACHED TO CONCRETE (198 LF BOTH DIRECTIONS) ITEM 606.1001--25

REMOVE AND DISPOSE BBGR (156 LF) ITEM 606.73

REMOVE AND DISPOSING TURNED-DOWN, BBGR ITEM 606.7920

REMOVE AND DISPOSING TURNED-DOWN TERMINAL, BBGR ITEM 606.7920

INSTALL BBGR END ASSEMBLY TYPE I (72 LF) ITEM 606.120102

INSTALL BBGR (126 LF) ITEM 606.10 & BOX BEAM END PIECE ITEM 606.120101

INSTALL BBGR WITH TYPE-O END TERMINAL IN BACKSLOPE (18 LF) ITEM 606.10

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:
1. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.
2. SEE DWG. MD-3 FOR FULL DEPTH PAVEMENT TRANSITION DETAILS AT OVERPASS STRUCTURES.

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

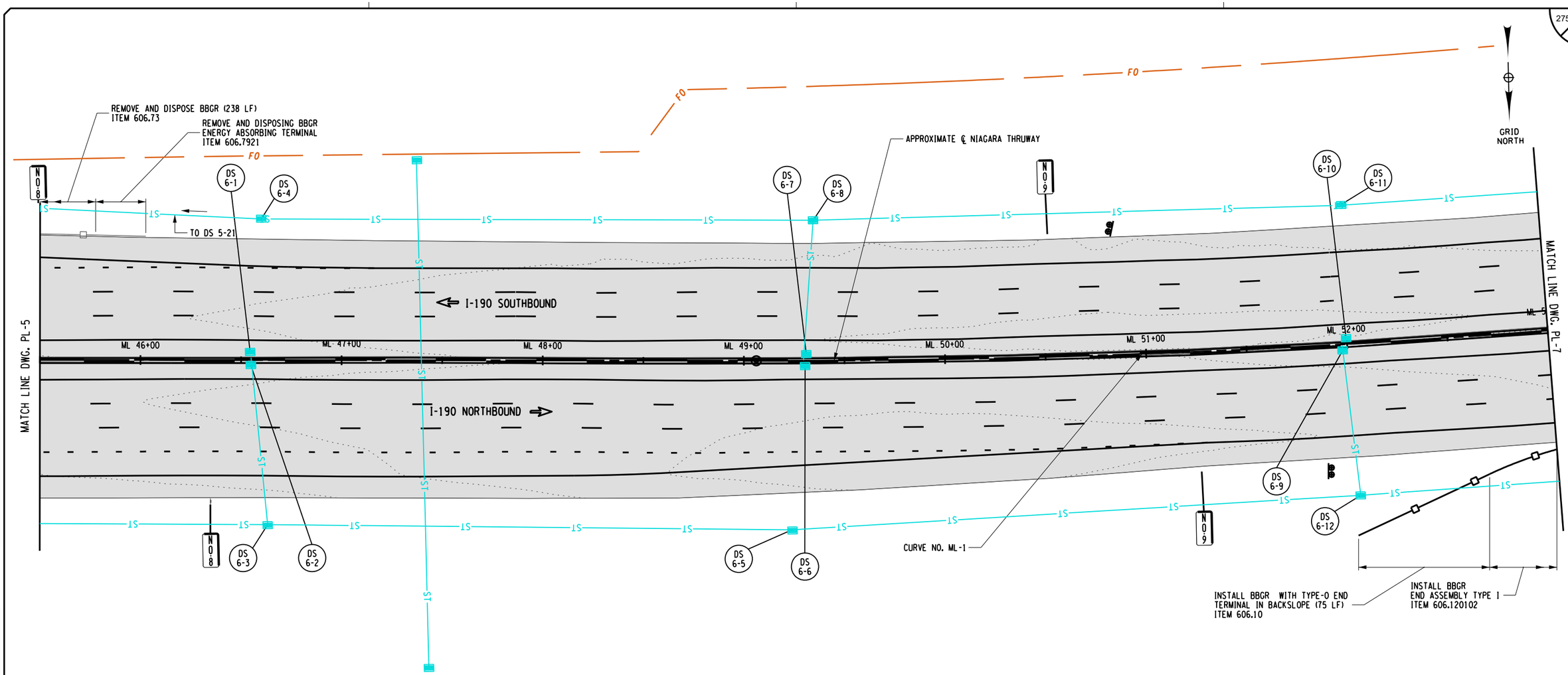
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-5

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-6

END CPR AND 3.5" ASPHALT OVERLAY
BEGIN FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS) TRANSITION TO EXISTING GRADE
STA. ML 56+29

INSTALL BBGR (36 LF)
ITEM 606.10

INSTALL BBGR
END ASSEMBLY TYPE I
ITEM 606.120102

INSTALL BBGR (115 LF) ITEM 606.10 &
BOX BEAM END PIECE ITEM 606.120101

PROPOSED OVERHEAD
SIGN STRUCTURE
(MP 900.95)
(SEE NOTE 1)

BOX BEAM END PIECE
ITEM 606.120101

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION TRANSITION / BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION AT EXISTING GRADE
STA. ML 58+04

INSTALL LOOP DETECTORS (TYP.)
ITEM 680.5840--25
SEE TA680-01 FOR DETAILS
(TYP.)

EXISTING SOLAR
LOOP TMS CABINET
TO REMAIN

REMOVE AND DISPOSE BBGR (122 LF) AND CONCRETE BARRIER (48 LF)
ITEM 606.73 AND 606.75

INSTALL TRANSITION BBGR TO SSCHB
ITEM 606.8803

INSTALL SSCHB (68 LF)
ITEM 606.3062

WEISS STREET

GRID NORTH

MATCH LINE DWG. PL-6

MATCH LINE DWG. PL-8

TO DS 6-11

TO DS 6-12

FH-S-3/DN-Y-3

FH-S-4/DN-X-4

I-190 SOUTHBOUND

I-190 NORTHBOUND

ML 54+00

ML 55+00

ML 56+00

ML 57+00

ML 58+00

ML 59+00

ML 60+00

CURVE NO. ML-1

MILE 1

DS 7-1, DS 7-2, DS 7-3, DS 7-4, DS 7-5, DS 7-6, DS 7-7, DS 7-8, DS 7-9, DS 7-10, DS 7-11, DS 7-12, DS 7-13, DS 7-14, DS 7-15, DS 7-16, DS 7-17, DS 7-18, DS 7-19, DS 7-20

TMS PULLBOX

TMS PULLBOX

BIN 5512180
(MP 901.06)

APPROXIMATE ℄ NIAGARA THRUWAY

REMOVE AND DISPOSE TURNED DOWN TERMINAL, BBGR
ITEM 606.7920

EXISTING SOLAR
LOOP TMS CABINET
TO REMAIN

INSTALL
TRANSITION BBGR
TO SSCHB
ITEM 606.8803

INSTALL SSCHB (68 LF)
ITEM 606.3062

(SEE NOTE 3)

INSTALL BBGR (517 LF) ITEM 606.10

INSTALL BBGR
END ASSEMBLY TYPE I
ITEM 606.120102

REMOVE AND DISPOSE END TERMINAL,
BBGR (104 LF) AND CONCRETE BARRIER (50 LF)
ITEM 606.73 AND 606.75

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- (DS X-X) PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. SEE DWGS SSP-3 FOR STRUCTURE LOCATION, SDS-4 FOR SIGN PANEL LAYOUT, AND OSP-3 TO OSP-4 FOR SIGN STRUCTURE DETAILS.
2. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.
3. REMOVE EXISTING BOX BEAM GUIDE RAIL ATTACHED TO THE MEDIAN CONCRETE BARRIER PIER PROTECTION. REPLACE WITH PROPOSED BOX BEAM GUIDE RAIL ATTACHED TO CONCRETE (98 LF) ITEM 606.1001--25
4. SEE DWG. MD-3 FOR FULL DEPTH TRANSITION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

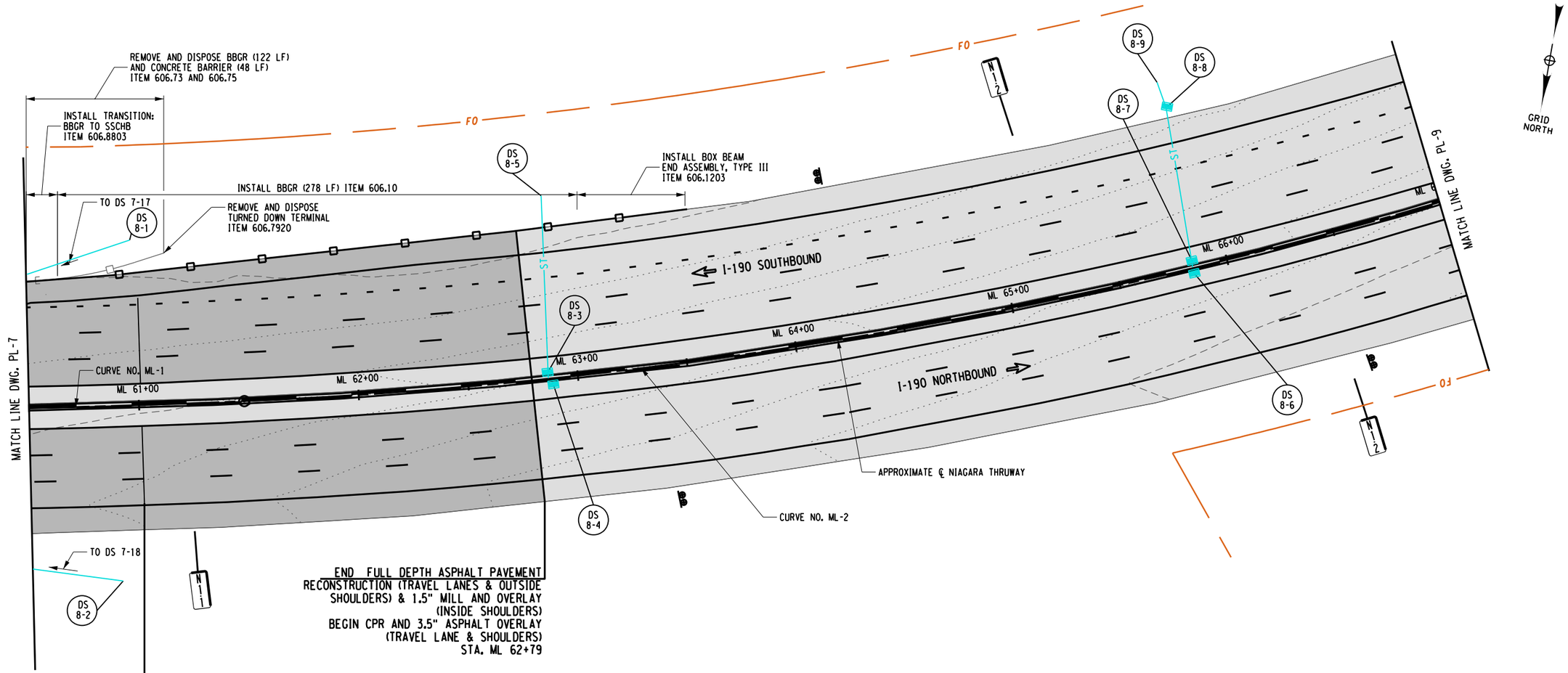
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1500 • www.chacbltons.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-7



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:
1. SEE DWG. MD-3 FOR FULL DEPTH TRANSITION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

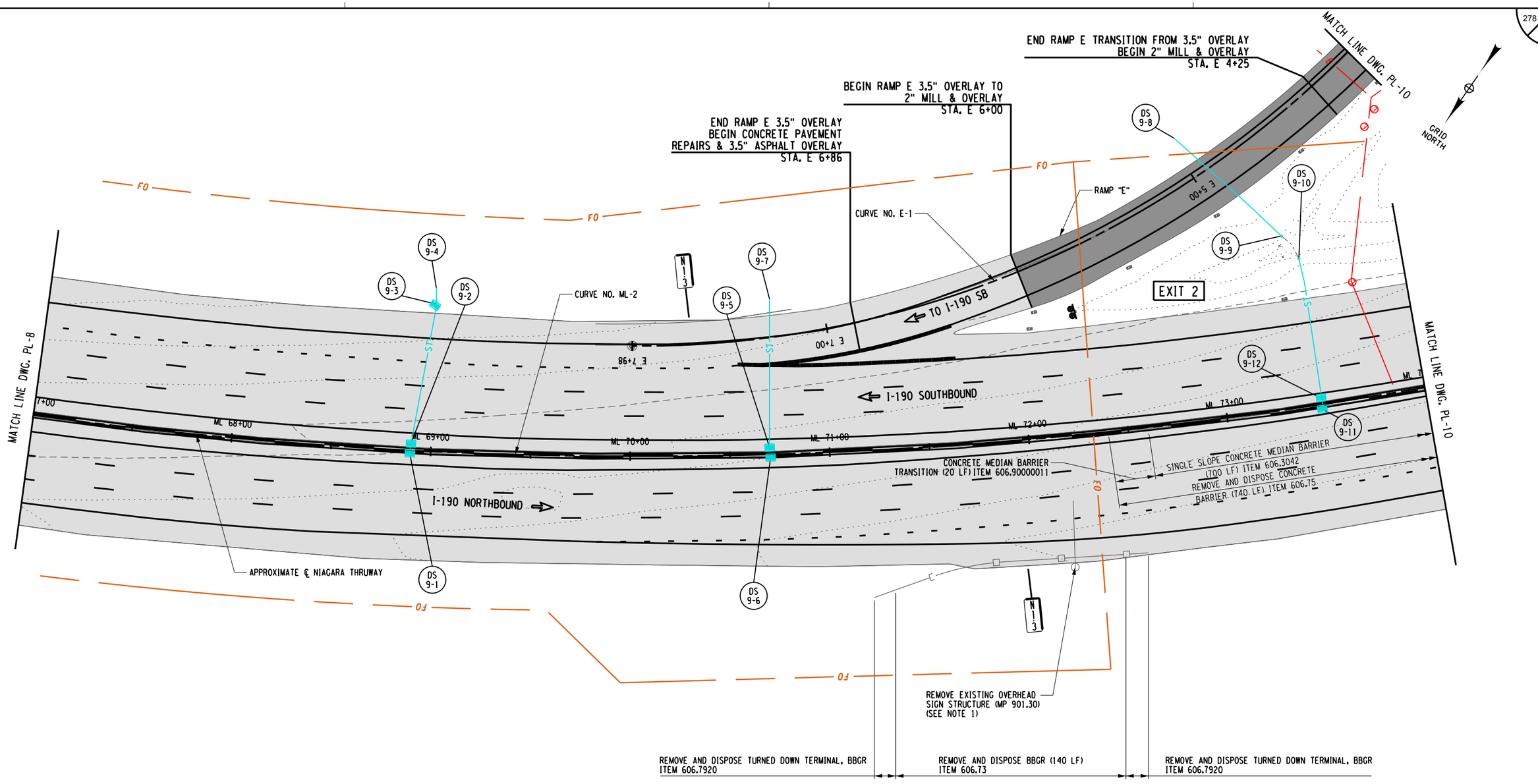
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacbltons.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-8



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-3 TO MT-15)

NOTES:
1. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-9

NOTES:

1. SEE DWGS SSP-5 FOR STRUCTURE LOCATION, SDS-4 FOR SIGN PANEL LAYOUT, AND OSP-05 TO OSP-06 FOR SIGN STRUCTURE DETAILS.
2. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE. THE EXISTING TRANSMIT EQUIPMENT LOCATED ON THE OVERHEAD STRUCTURE SHALL BE CAREFULLY REMOVED & STORED FOR NYSTA PICK-UP.
3. EXISTING ITS EQUIPMENT MOUNTED ON THE EXISTING OVERHEAD SIGN STRUCTURE SHALL BE RELOCATED TO THE NEW SIGN STRUCTURE LOCATION (MP 901.41) SEE DETAILS ON DWG. MD-10.

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

LIMIT OF RAMP E
BEGIN MILL AND OVERLAY
STA. E 0+49

MATCH LINE THIS DWG. RAMP E/F

END RAMP F TRANSITION
FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. F 4+25

CUTTING PAVEMENT (40 LF)
ITEM 627.50140008

LIMIT OF RAMP F
END MILL AND OVERLAY
STA. F 6+05

RAMP "E"
TO I-190 SB
E 3+00
CURVE NO. E-1
MATCH LINE DWG. PL-9
EXIT 2
CURVE NO. F-2
RAMP "F"
F 5+00 TO CLINTON ST.
F 6+00
DS 10-4
DS 10-9
DS 10-13
DS 10-8
DS 10-10

END RAMP F 3.5" OVERLAY
BEGIN CONCRETE PAVEMENT
REPAIRS & 3.5" ASPHALT OVERLAY
STA. F 1+67

CURVE NO. F-1
BEGIN RAMP F 3.5" OVERLAY
TO 2" MILL & OVERLAY
STA. F 2+50
F 3+00
TO CLINTON ST.

MATCH LINE THIS DWG. RAMP E/F

REMOVE AND DISPOSE OF BBGR (158 LF) ITEM 606.73
INSTALL BBGR (126 LF) ITEM 606.10
INSTALL BBGR END ASSEMBLY TYPE I ITEM 606.120102
INSTALL BBGR (21 LF) ITEM 606.10
BOX BEAM END PIECE ITEM 606.120101
REMOVE AND DISPOSE OF BBGR TURNED DOWN TERMINAL ITEM 606.7920
INSTALL BOX BEAM END PIECE, BBGR ITEM 606.120101
REMOVE AND DISPOSE OF BBGR TURNED DOWN TERMINAL ITEM 606.7920
DS 10-7
DS 10-5
F 0+00
F 1+00
FO
ST

GRID NORTH

CURVE NO. ML-2
APPROXIMATE ℄ NIAGARA THRUWAY
N-1-4
DS 10-3
DS 10-1
DS 10-2
I-190 SOUTHBOUND
I-190 NORTHBOUND
ML 75+00
ML 76+00
ML 77+00
ML 78+00
ML 79+00
ML 80+00
MATCH LINE DWG. PL-9
MATCH LINE DWG. PL-11
EXISTING CONCRETE MEDIAN BARRIER TO REMAIN
CONCRETE MEDIAN BARRIER TRANSITION (20 LF) ITEM 606.90000011
SINGLE SLOPE CONCRETE MEDIAN BARRIER (700 LF) ITEM 606.3042
REMOVE AND DISPOSE CONCRETE BARRIER (740 LF) ITEM 606.75
G 1+00
G 3+00
G 5+00
FH-S5/DW-X5
FH-S6/DW-X6
FH-S7/DW-X7
FH-S8/DW-X8

REMOVE AND DISPOSE TURNED DOWN TERMINAL, BBGR ITEM 606.7920
N-1-4
PROPOSED OVERHEAD SIGN STRUCTURE (S 901.41) (SEE NOTE 1 & 3)
REMOVE AND DISPOSE BBGR (175 LF) OF TURN DOWN ITEM 606.73
INSTALL BOX BEAM END PIECE, BBGR ITEM 606.120101
REMOVE AND DISPOSE END TERMINAL, BBGR ITEM 606.7920
EXISTING OVERHEAD SIGN STRUCTURE AT MP 901.42 (TO BE REMOVED) (SEE NOTES 1, 2, & 3)
INSTALL BBGR WITH TYPE-O END TERMINAL IN BACKSLOPE (25 LF) ITEM 606.10
INSTALL BBGR END ASSEMBLY TYPE I ITEM 606.120102
INSTALL BBGR (116 LF) ITEM 606.10
DS 10-6
DS 10-11
DS 10-12
EXIT 2
CURVE NO. G-1
TO CLINTON ST.
RAMP "G" TO DS 11-4

END RAMP G 3.5" OVERLAY
BEGIN CONCRETE PAVEMENT
REPAIRS & 3.5" ASPHALT OVERLAY
STA. G 2+17

BEGIN RAMP F 3.5" OVERLAY
TO 2" MILL & OVERLAY
STA. G 3+75

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-10

REMOVE AND DISPOSE TRANSITION: BBGR TO CBGR ITEM 606.8103--25

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BARRIER (SEE NOTE 1) INSTALL TRANSITION BBGR TO EXISTING CONRETE SAFETY SHAPE BARRIER ITEM 606.8803

REMOVE AND DISPOSE CBGR (1082 LF) ITEM 606.71

INSTALL HPBO (MOD.) CBGR (1062 LF) ITEM 606.2701

INSTALL TRANSITION BBGR TO HPBO (MOD.) CBGR ITEM 606.8901

GRID NORTH

END SB APPROACH SLAB BEGIN SB RELIEF JOINT STA. ML 87+39 (SEE NOTE 2)

RESETTING EXISTING BOX BEAM TURN DOWN ITEM 606.59200125

RESETTING BOX BEAM GUIDE RAILING ITEM 606.53

CLINTON STREET

REMOVE EXISTING OVERHEAD SIGN STRUCTURES (S 901.52) (SEE NOTE 3)

END APPROACH SLAB BEGIN BRIDGE STA. ML 84+78

SB RELIEF JOINT MATCH SB APPROACH SLAB STA. ML 83+97 (SEE NOTE 2)

MATCH LINE DWG. PL-10

APPROXIMATE ℄ NIAGARA THRUWAY

I-190 SOUTHBOUND

BIN 5046459

ML 82+00

ML 83+00

ML 84+00

ML 85+00

ML 86+00

ML 87+00

END BRIDGE APPROACH SLAB STA. ML 87+03

(MP 901.56)

I-190 NORTHBOUND

NB RELIEF JOINT MATCH APPROACH SLAB STA. ML 84+39 (SEE NOTE 2)

MATCH LINE DWG. PL-12

END NB APPROACH SLAB BEGIN NB RELIEF JOINT STA. ML 87+81 (SEE NOTE 2)

INSTALL BBGR END ASSEMBLY, TYPE III ITEM 606.1203

REMOVE AND DISPOSE TURNED DOWN TERMINAL, BBGR ITEM 606.7920

REMOVE AND DISPOSE BBGR (175 LF) ITEM 606.73

INSTALL BBGR (278 LF) ITEM 606.10

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BARRIER (SEE NOTE 1) INSTALL TRANSITION BBGR TO EXISTING CONRETE SAFETY SHAPE BARRIER ITEM 606.8803

CUTTING PAVEMENT (162 LF) ITEM 627.50140008

EXIT 2

CUTTING PAVEMENT (120 LF) ITEM 627.50140008

TO CLINTON ST.

G 7+00

G 9+00

G 11+08

G 11+41

H 1+00

CURVE NO. G-2

RADIUS=2000'

RAMP "G"

CLINTON STREET

END RAMP E TRANSITOIN FROM 3.5" OVERLAY BEGIN 2" MILL & OVERLAY STA. G 5+50

LIMIT OF RAMP G END MILL AND OVERLAY STA. G 10+97

LIMIT OF RAMP H BEGIN MILL AND OVERLAY STA. H 1+00

DS 11-1, DS 11-2, DS 11-3, DS 11-4, DS 11-5, DS 11-6, DS 11-7, DS 11-8, DS 11-9, DS 11-10, DS 11-11, DS 11-12

N 1-5, N 1-6

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPLACED AT NO ADDITIONAL COST.
2. SEE CPR DRAWING AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.
3. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.

0 25 50 FEET
SCALE 1" = 50'

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

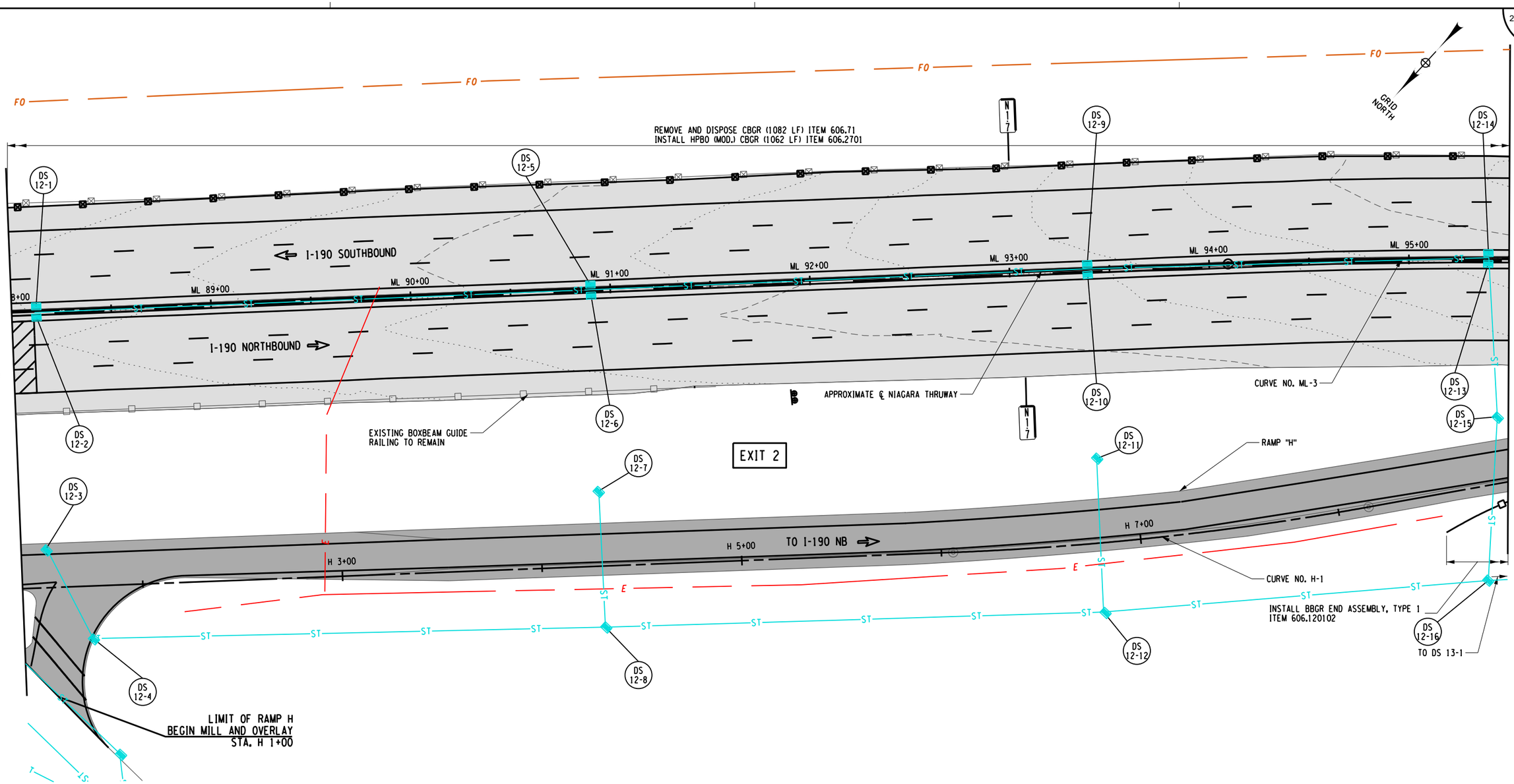
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PL-11

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

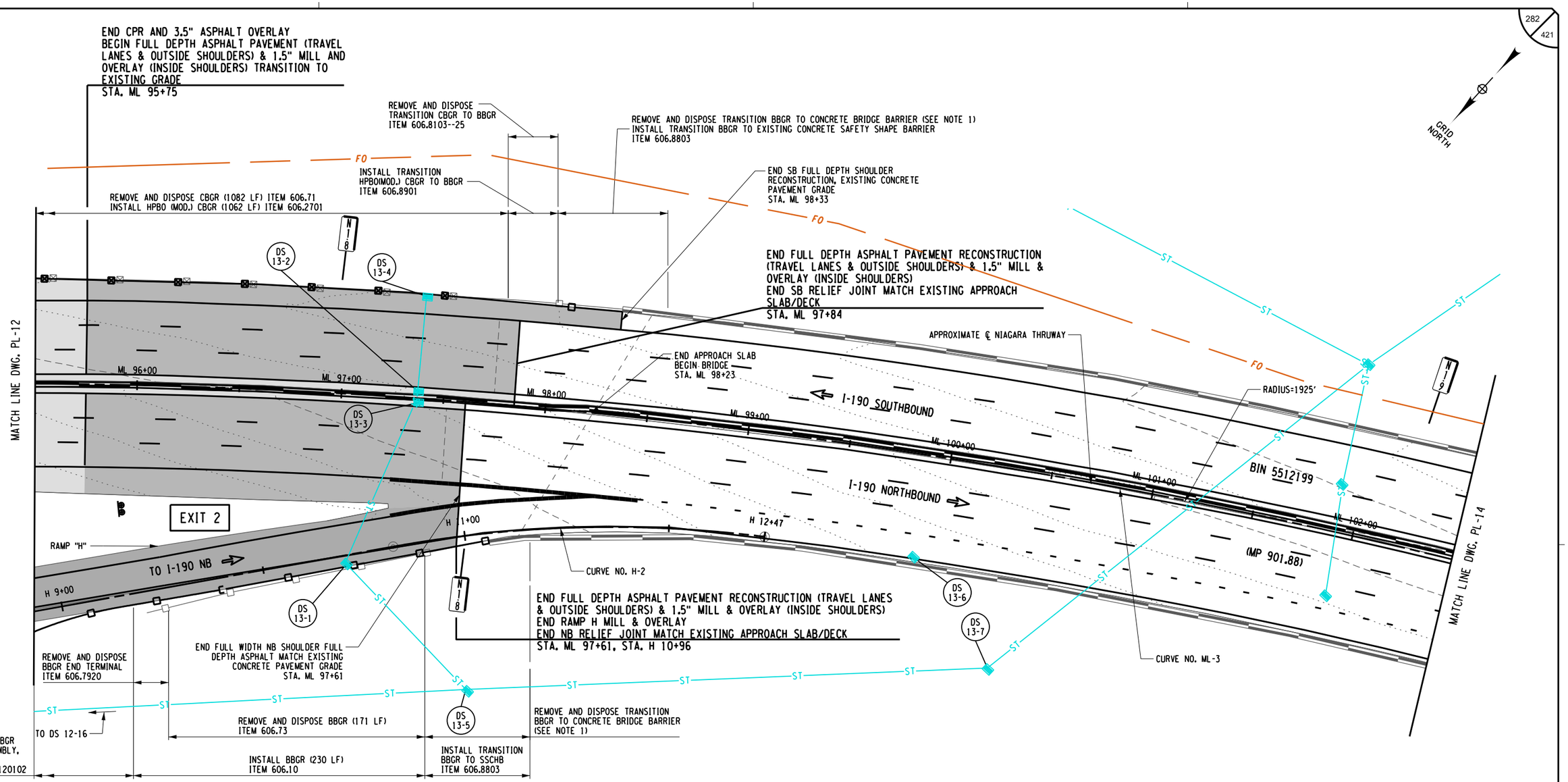
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-12



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-3 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE DWG. MD-3 FOR FULL DEPTH TRANSITION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

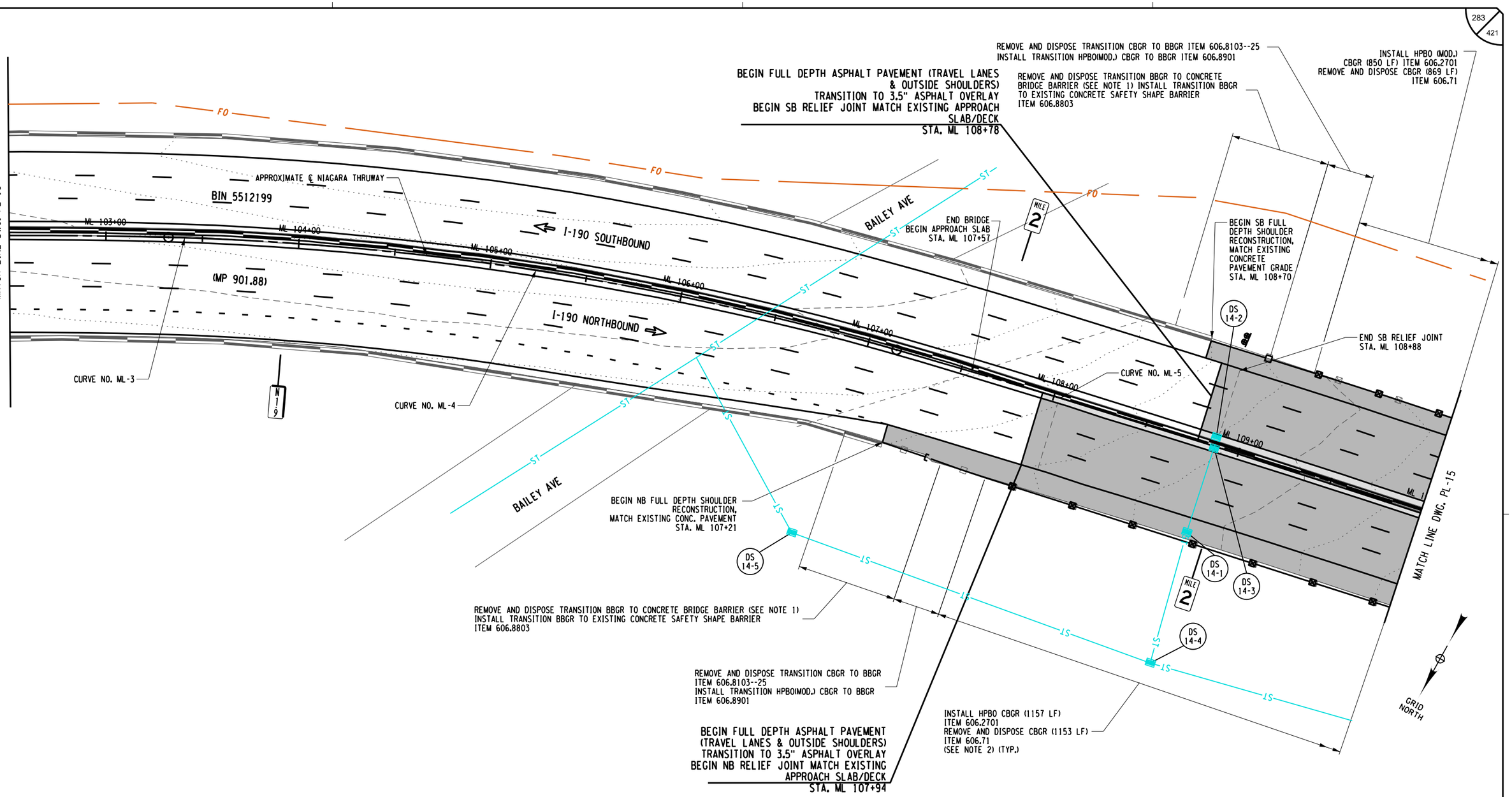
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-13

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- (DS X-X) PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. FACE OF RAIL TO BE FLUSH WITH THE BOTTOM EDGE OF THE EXISTING CURB.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PL-14

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

REMOVE AND DISPOSE CBGR (869 LF) ITEM 606.71
INSTALL HPBO (MODJ CBGR (850 LF) ITEM 606.2701

GRID NORTH

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL & OVERLAY (INSIDE SHOULDERS)
BEGIN CPR AND 3.5" ASPHALT OVERLAY (TRAVEL LANES & SHOULDERS)
STA. ML 110+65

INSTALL LOOP DETECTORS (TYP.)
ITEM 680.5840--25
SEE TA680-01 FOR DETAILS

APPROXIMATE ℄ NIAGARA THRUWAY

MATCH LINE DWG. PL-14

MATCH LINE DWG. PL-16

I-190 SOUTHBOUND

I-190 NORTHBOUND

0+00
ML 111+00
ML 112+00
ML 113+00
ML 114+00
ML 115+00
ML 116+00
ML 1

DS 15-1
DS 15-2
DS 15-3
DS 15-4
DS 15-5
DS 15-6
DS 15-7
DS 15-8
DS 15-9
DS 15-10
DS 15-11
DS 15-12
DS 15-13
DS 15-14
DS 15-15
DS 15-16
DS 15-17
DS 15-18
DS 15-19

CURVE NO. ML-5

EXISTING SOLAR LOOP CABINET/CONTROLLER

EXISTING PULLBOX TO REMAIN

TO DS 14-4

TO DS 16-7

REMOVE AND DISPOSE CBGR (1153 LF) ITEM 606.71 (SEE NOTE 1)
INSTALL HPBO CBGR (1157 LF) ITEM 606.2701

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:
1. FACE OF RAIL TO BE FLUSH WITH THE BOTTOM OF THE EXISTING CURB.
2. SEE DWG. MD-3 FOR FULL DEPTH TRANSITION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 • www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PL-15

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

LIMIT OF RAMP J
END MILL AND OVERLAY
STA. J 11+51

CUTING PAVEMENT (28 LF)
ITEM 627.50140008

GRID NORTH

CURVE NO. J-3

CURVE NO. J-2

RAMP TO ELK STREET

RAMP "J"

REMOVE AND DISPOSE ANCHORAGE UNIT ITEM 606.7910
INSTALL ANCHORAGE UNITS FOR HPBO (MOD.) CBGR ITEM 606.2703

REMOVE AND DISPOSE CBGR (663 LF) ITEM 606.71
INSTALL HPBO (MOD.) CBGR (643 LF) ITEM 606.2701

MATCH LINE THIS DWG. RAMP J

REMOVE AND DISPOSE CBGR (831 LF) ITEM 606.71
INSTALL HPBO CBGR (802 LF) ITEM 606.2701

REMOVE AND DISPOSE ANCHORAGE UNIT
ITEM 606.7910
INSTALL ANCHORAGE UNITS FOR HPBO (MOD.) CBGR
ITEM 606.2703

END RAMP J
TRANSITION FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. J 5+25

TO DS 17-1

REMOVE AND DISPOSE CBGR (663 LF) ITEM 606.71
INSTALL HPBO (MOD.) CBGR (643 LF) ITEM 606.2701

MATCH LINE DWG. PL-17

EXIT 3

EXISTING SOLAR LOOP TMS CABINET TO REMAIN

REMOVE AND DISPOSE CBGR (869 LF) ITEM 606.71
INSTALL HPBO (MOD.) CBGR (850 LF) ITEM 606.2701

INSTALL TRANSITION CBGR TO BBGR
ITEM 606.8901

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER (SEE NOTE 1)
INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER ITEM 606.8803

REMOVE AND DISPOSE TRANSITION CBGR TO BBGR
ITEM 606.8103--25

REMOVE AND DISPOSE TRANSITION BBGR
TO CONCRETE BRIDGE BARRIER (SEE NOTE 1)
INSTALL TRANSITION BBGR TO EXISTING
CONCRETE SAFETY SHAPE BARRIER ITEM 606.8803

REMOVE AND DISPOSE TRANSITION CBGR TO BBGR ITEM 606.8103--25
INSTALL TRANSITION HPBO(MOD.) CBGR TO BBGR ITEM 606.8901

REMOVE AND DISPOSE CBGR (245 LF) ITEM 606.71
INSTALL HPBO (MOD.) CBGR (258 LF) ITEM 606.2701

TMS PULLBOX

APPROXIMATE ℄ NIAGARA THRUWAY

END SB APRRAOCH SLAB
BEGIN SB RELIEF JOINT
STA. ML 122+40
(SEE NOTE 2)

INSTALL LOOP DETECTORS (TYP.)
ITEM 680.5840--25
SEE TA680-01 FOR DETAILS (TYP.)

BIN 5011959
(MP 902.22)

I-190 SOUTHBOUND

END SB RELIEF JOINT
BEGIN SB APPROACH SLAB
STA. ML 118+36
(SEE NOTE 2)

TO DS 15-18

END APPROACH SLAB
BEGIN BRIDGE
STA. ML 119+40

END BRIDGE
BEGIN APPROACH SLAB
STA. ML 122+07

CURVE NO. ML-6

END NB APPROACH SLAB
BEGIN NB RELIEF JOINT
STA. ML 123+22
(SEE NOTE 2)

MATCH LINE DWG. PL-15

CURVE NO. ML-5

END NB RELIEF JOINT
BEGIN NB APPROACH SLAB
STA. ML 119+03 (SEE NOTE 2)

I-190 NORTHBOUND

TO DS 15-15

REMOVE AND DISPOSE
CBGR
(447 LF) ITEM 606.71
INSTALL HPBO (MOD.)
CBGR (425 LF)
ITEM 606.2701

SENECA STREET

LIMIT OF RAMP K
BEGIN MILL AND OVERLAY
STA. K 1+00

REMOVE AND DISPOSE
CBGR TO BGR
ITEM 606.8103--25
INSTALL TRANSITION
HPBO (MOD.) CBGR TO
BBGR ITEM 606.8901

TO I-190 NB

REMOVE EXISTING CANTILEVER SIGN STRUCTURE
(REPLACE IN SAME LOCATION - MP 902.19)
(SEE NOTES 3 & 4)

REMOVE AND DISPOSE CBGR (1153 LF) ITEM 606.71
INSTALL HPBO CBGR (1157 LF) ITEM 606.10

TO DS 15-19

REMOVE AND DISPOSE TRANSITION
BBGR TO CONCRETE BRIDGE BARRIER
(SEE NOTE 1).
INSTALL TRANSITION BBGR TO EXISTING
CONCRETE SAFETY SHAPE BARRIER
ITEM 606.8803

REMOVE AND DISPOSE TRANSITION
BBGR TO CONCRETE BRIDGE BARRIER (SEE NOTE 1).
INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY
SHAPE BARRIER ITEM 606.8803

CUTING PAVEMENT (125 LF)
ITEM 627.50140008

REMOVE AND DISPOSE CBGR TO BBGR TRANSITION
ITEM 606.8103--25
INSTALL TRANSITION HPBO(MOD.) CBGR TO BBGR
ITEM 606.8901

RAMP "K"

DS 16-1, DS 16-2, DS 16-3, DS 16-4, DS 16-5, DS 16-6, DS 16-7, DS 16-8, DS 16-9, DS 16-10, DS 16-11, DS 16-12, DS 16-13, DS 16-14, DS 16-15

N 2 2

FH B-170, FH B-172, FH B-176

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FRO THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACEMENT AND CONSTRUCTION DETAILS.
3. SEE DWGS SSP-8 FOR STRUCTURE LOCATION, SDS-4 FOR SIGN PANEL LAYOUT, AND OSP-07 TO OSP-08 FOR SIGN STRUCTURE DETAILS.
4. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.

0 25 50 FEET
SCALE 1" = 50'

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

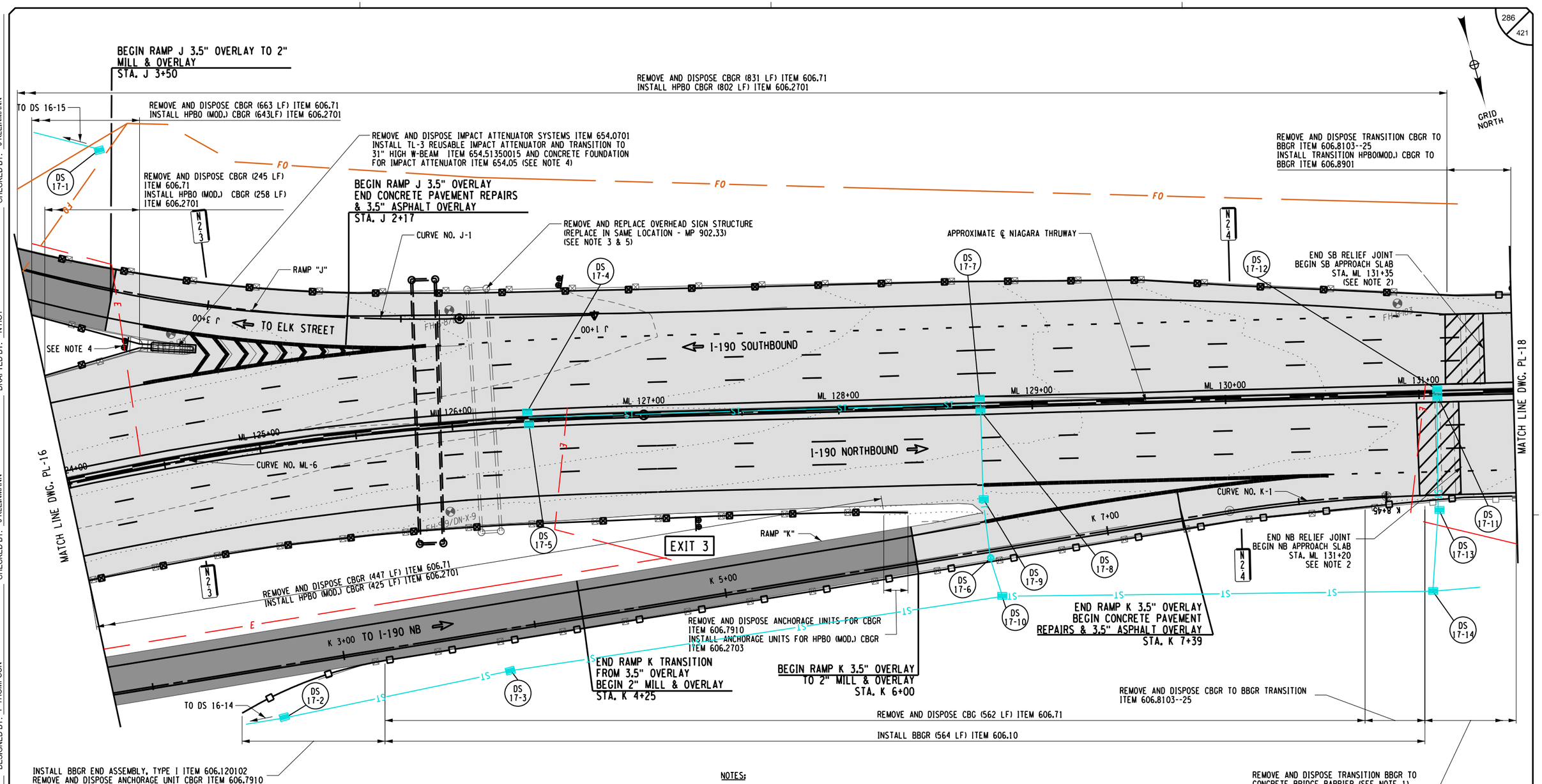
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PL-16

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACEMENT AND CONSTRUCTION DETAILS.
3. SEE DWGS SSP-8 FOR STRUCTURE LOCATION, SDS-4 FOR SIGN PANEL LAYOUT, AND OSP-09 TO OSP-10 FOR SIGN STRUCTURE DETAILS.
4. ALL CONCRETE, REINFORCING, ANCHORING, ETC. ASSOCIATED WITH THE REMOVAL OF THE ATTENUATOR ANCHOR CONCRETE BLOCK SHALL BE PAID FOR UNDER ITEM 203.02.
5. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.

0 25 50 FEET
SCALE 1" = 50'

REVISIONS

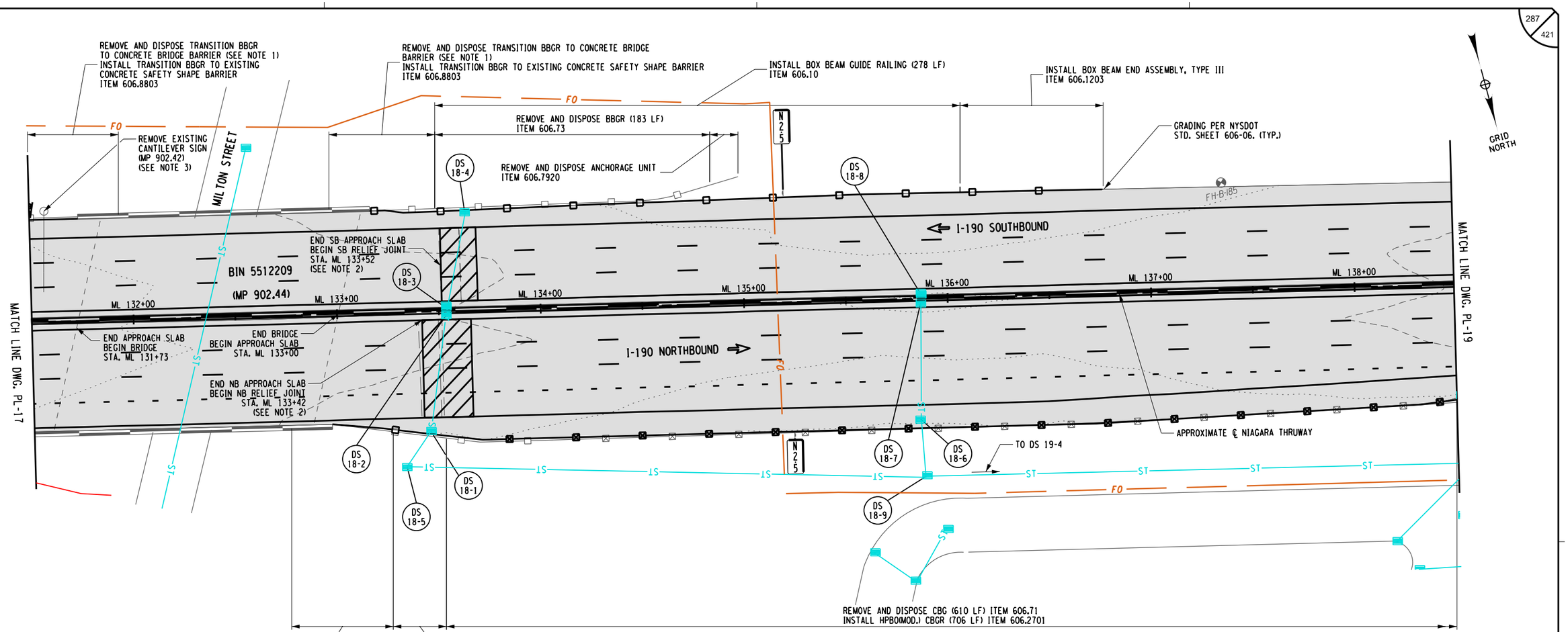
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: ROADWAY PLANS	DRAWING NUMBER: PL-17

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- (DS X-X) PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACEMENT AND CONSTRUCTION DETAILS.
3. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

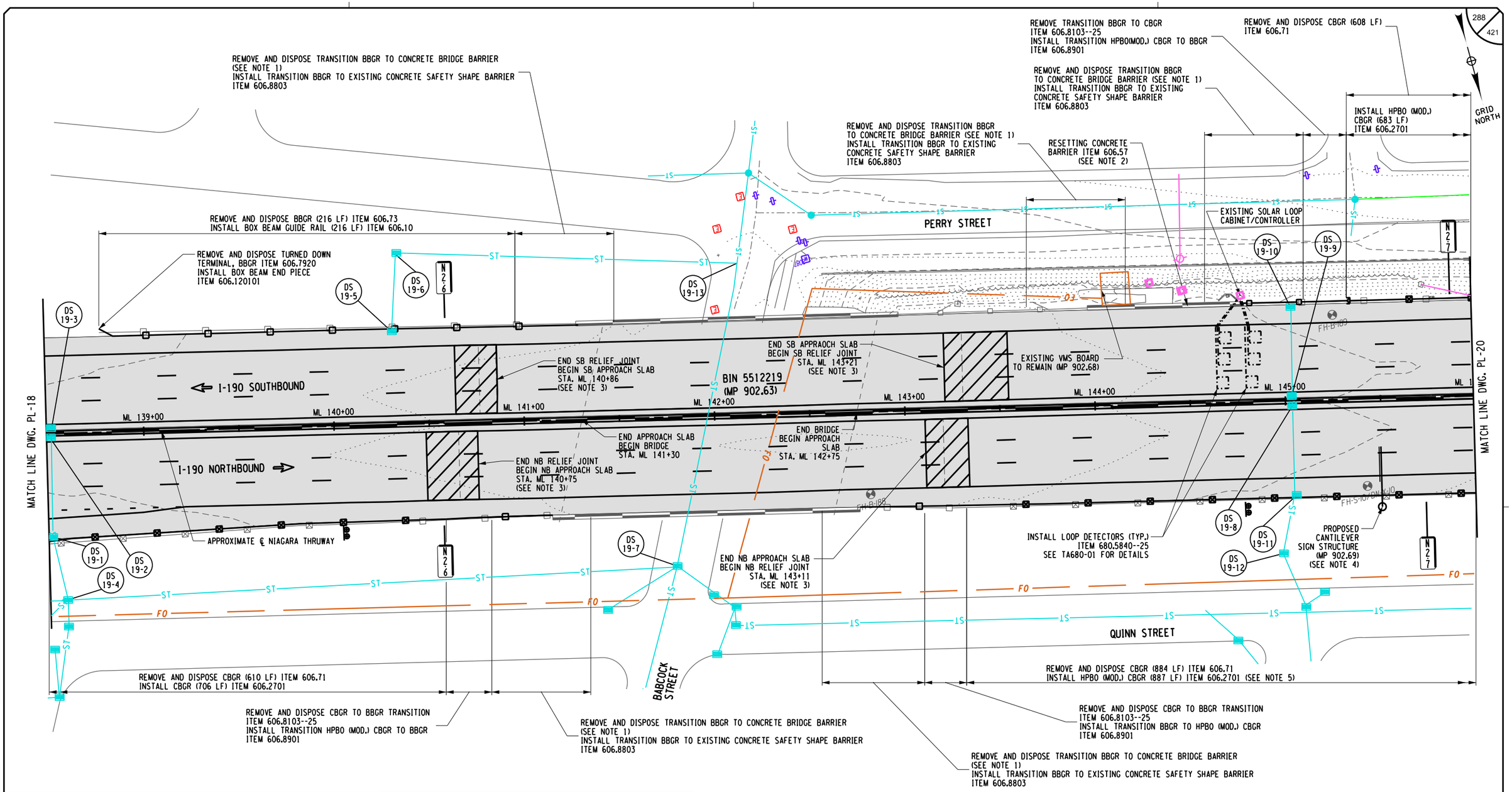
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-18



CHECKED BY: J KLEINMANN

DRAFTED BY: N HOY

CHECKED BY: J KLEINMANN

DESIGNED BY: P THOMPSON

DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE MD-4 FOR RESETTING CONCRETE BARRIER DETAIL AND CURB REMOVAL.
3. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACEMENT AND CONSTRUCTION DETAILS.
4. SEE DWGS SSP-10 FOR STRUCTURE LOCATION, SDS-4 FOR SIGN PANEL LAYOUT, AND OSP-11 TO OSP-12 FOR SIGN STRUCTURE DETAILS.
5. FACE OF RAIL TO BE FLUSH WITH THE BOTTOM EDGE OF THE EXISTING CURB.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

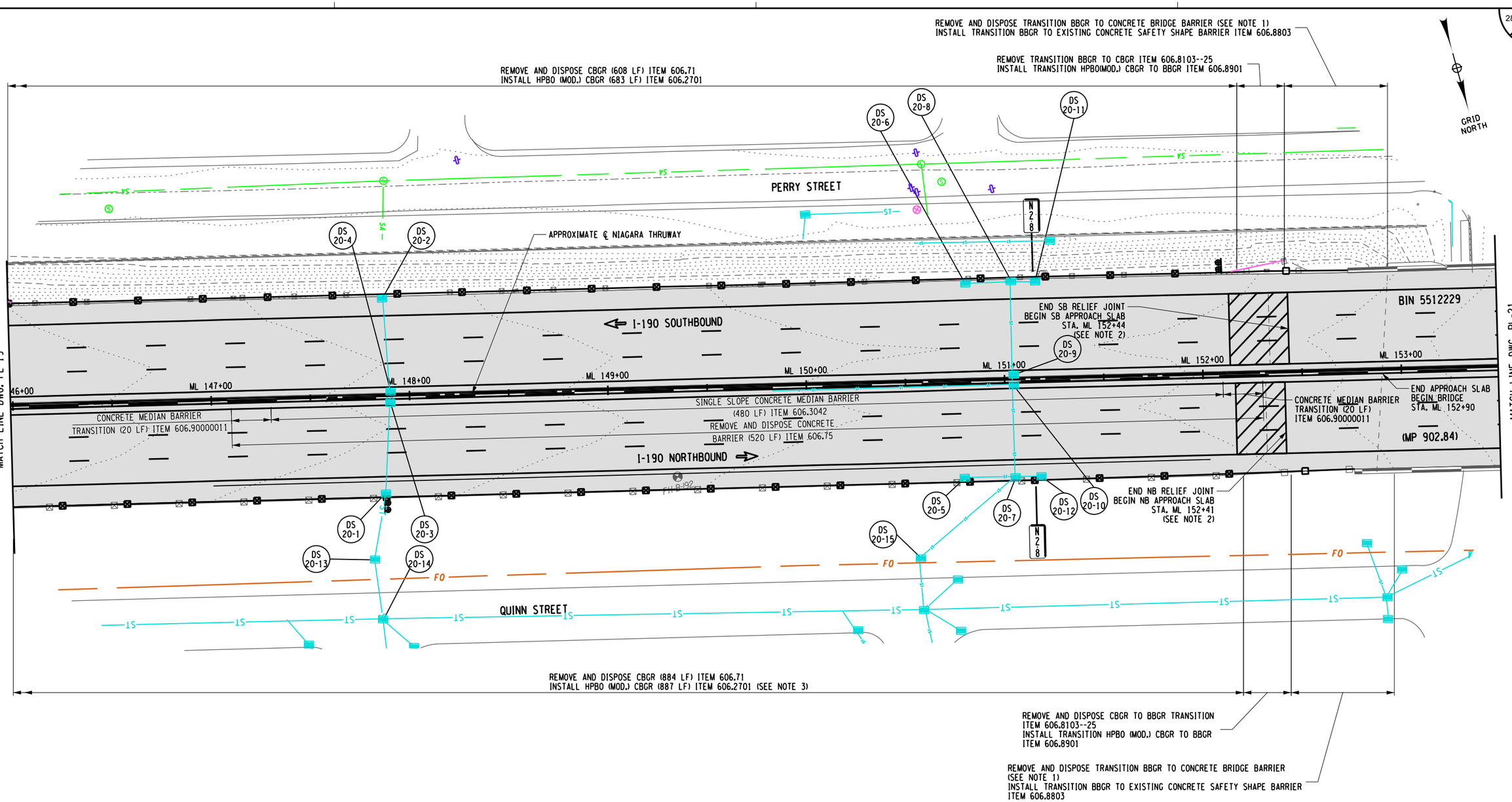
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbltons.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-19



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.
3. FACE OF RAIL TO BE FLUSH WITH THE BOTTOM EDGE OF THE EXISTING CURB.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
50 Main Street, Suite 1600
Buffalo, NY 14202-3722
716.853.1434 · www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-20

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL & OVERLAY (INSIDE SHOULDERS)
END SB RELIEF JOINT MATCH EXISTING APPROACH SLAB/DECK
STA. ML 157+86

GRID NORTH

END SB APPROACH SLAB
BEGIN SB RELIEF JOINT
STA. ML 154+54
(SEE NOTE 2)

END BRIDGE
BEGIN APPROACH SLAB
STA. ML 154+20

DS 21-2

N 29

DS 21-7

DS 21-5

DS 21-9

MATCH LINE DWG. PL-20

I-190 SOUTHBOUND

ML 154+00

ML 155+00

ML 156+00

ML 157+00

ML 158+00

ML 159+00

ML 160+00

END APPROACH SLAB
BEGIN BRIDGE
STA. ML 158+80

BIN 5512239

(MP 902.99)

MATCH LINE DWG. PL-22

BIN 5512229
(MP 902.84)

I-190 NORTHBOUND

DS 21-4

DS 21-1

DS 21-3

APPROXIMATE ℄ NIAGARA THRUWAY

END NB APPROACH SLAB
BEGIN NB RELIEF JOINT
STA. ML 154+51
(SEE NOTE 2)

66 LF RESETTING BOX BEAM GUIDE RAILING
ITEM 606.53

DS 21-11

DS 21-8

DS 21-6

N 29

BBGR TO REMAIN

DS 21-12

DS 21-10

ST

FO

END CPR AND 3.5" ASPHALT OVERLAY
BEGIN FULL DEPTH ASPHALT PAVEMENT (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
TRANSITION TO EXISTING GRADE
STA. ML 155+90

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION (TRAVEL LANES & OUTSIDE SHOULDERS)
END NB RELIEF JOINT MATCH EXISTING APPROACH SLAB/DECK
STA. ML 157+75

END NB FULL DEPTH SHOULDER RECONSTRUCTION, MATCH EXISTING CONC. PAVEMENT
STA. ML 158+14

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1650 | www.chacompanies.com

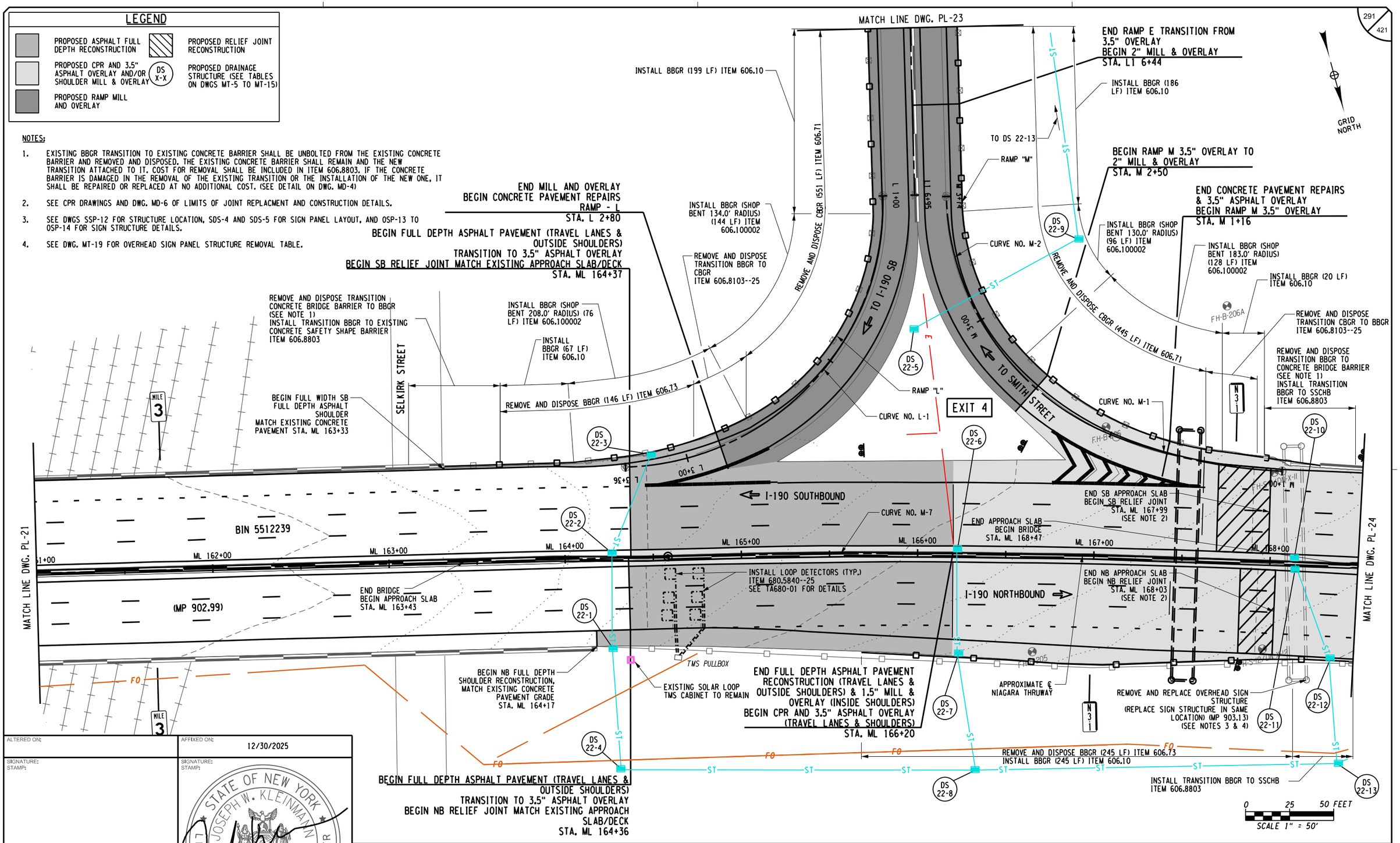
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-21

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY (DS X-X)
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.
3. SEE DWGS SSP-12 FOR STRUCTURE LOCATION, SDS-4 AND SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-13 TO OSP-14 FOR SIGN STRUCTURE DETAILS.
4. SEE DWG. MT-19 FOR OVERHEAD SIGN PANEL STRUCTURE REMOVAL TABLE.



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-22

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

GRID NORTH

REMOVE AND DISPOSE ANCHORAGE UNIT FOR CBGR ITEM 606.7910

RAMP "L"

INSTALL BBGR END ASSEMBLY, TYPE I ITEM 606.120102

DS 23-2

DS 23-8

DS 23-9

DS 23-7

LIMIT OF RAMP L
BEGIN MILL AND OVERLAY
STA. L 1+24

L1 1+00

L1 3+00

CUTTING PAVEMENT (208 LF)
ITEM 627.50140008

DS 23-3

DS 23-6

DS 23-4

DS 23-5

CURVE NO. L1-1

EXIT 4

FULTON STREET

SMITH STREET

REMOVE AND DISPOSE CBGR (551 LF) ITEM 606.71

INSTALL BBGR (SHOP BENT 195.0' RADIUS (160 LF) ITEM 606.100002

RAMP "M"

REMOVE AND DISPOSE ANCHORAGE UNIT
ITEM 606.7910

INSTALL BOX BEAM END PIECE
ITEM 606.120101

DS 23-1

INSTALL BBGR (186 LF) ITEM 606.10
REMOVE AND DISPOSE CBGR (445 LF) ITEM 606.71

TO DS 22-9

INSTALL BBGR (199 LF)
ITEM 606.10

L1 5+00

TO I-190 SB

TO SMITH STREET

MATCH LINE DWG. PL-22

LIMIT OF RAMP O
BEGIN MILL AND OVERLAY
STA. O 1+20

MINTON STREET

O 1+00

CUTTING PAVEMENT
(152 LF)
ITEM 627.50140008

MATCH LINE DWG. PL-24

END RAMP N TRANSITION FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. N 4+75

TO DS 24-18

DS 23-15

CURVE NO. O-1

RAMP "O"

CURVE NO. N-2

N 5+00

EXIT 4

RAMP "N"

CURVE NO. 01-1

O 1+00

INSTALL BBGR (234 LF) ITEM 606.10

TO SMITH ST.

TO I-190 NB

REMOVE AND DISPOSE CBGR (808 LF) ITEM 606.71

INSTALL BBGR (SHOP BENT 268.2' RADIUS) (269 LF) ITEM 606.100002

DS 23-13

DS 23-11

DS 23-12

DS 23-14

DS 23-10

INSTALL BBGR END ASSEMBLY, TYPE I ITEM 606.120102

INSTALL BBGR (39 LF)
ITEM 606.10

REMOVE AND DISPOSE ANCHORAGE UNITS FOR CBGR
ITEM 606.7910

0 25 50 FEET
SCALE 1" = 50'

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: ROADWAY PLANS	DRAWING NUMBER: PL-23

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER (SEE NOTE 1) INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER ITEM 606.8803

REMOVE AND DISPOSE BBGR (798 LF) ITEM 606.73
INSTALL BBGR (802 LF) ITEM 606.10

SMITH STREET

MATCH LINE DWG. PL-22

END BRIDGE
BEGIN APPROACH SLAB
STA. ML 169+73

BIN 5512249

END SB APPROACH SLAB
BEGIN SB RELIEF JOINT
STA. ML 170+51
(SEE NOTE 2)

(MP 903.14)

ML 169+00
ML 170+00
ML 171+00
ML 172+00
ML 173+00
ML 174+00
ML 175+00

N 1+00

END NB APPROACH SLAB
BEGIN NB RELIEF JOINT
STA. ML 170+77
(SEE NOTE 2)

DS 24-16
DS 24-7
DS 24-6
DS 24-8
DS 24-3
DS 24-2
DS 24-10
DS 24-1
DS 24-5
DS 24-9
DS 24-4
DS 24-15
DS 24-11
DS 24-12
DS 24-14
DS 24-13
DS 24-17
DS 24-18

REMOVE EXISTING OVERHEAD SIGN STRUCTURE (MP 903.19) (SEE NOTE 4)

END CONCRETE PAVEMENT REPAIRS & 3.5" ASPHALT OVERLAY
BEGIN RAMP N 3.5" OVERLAY
STA. N 1+83

APPROXIMATE ℄ NIAGARA THRUWAY

REMOVE EXISTING OVERHEAD SIGN STRUCTURE (MP 903.22). RELOCATE THE EXISTING SOLAR POWERED TMS EQUIPMENT (SEE NOTE 5)

INSTALL LOOP DETECTORS (TYP.)
ITEM 680.5840--25
SEE TA680-01 FOR DETAILS
(SEE NOTE 5)

GRID NORTH

CURVE NO. ML-8

TMS PULLBOX

CURVE NO. ML-7

I-190 SOUTHBOUND

TO DS 25-4

I-190 NORTHBOUND

PROPOSED CANTILEVER SIGN STRUCTURE (MP 903.19) (SEE NOTE 3)

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER (SEE NOTE 1)
INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER
ITEM 606.8803

INSTALL BBGR (6 LF)
ITEM 606.10

INSTALL TRANSITION BBGR TO HPBO (MOD.) CBGR
ITEM 606.8901

INSTALL HPBO (MOD.) CBGR (13 LF)
ITEM 606.2701

INSTALL ANCHORAGE UNIT HPBO (MOD.) CBGR
ITEM 606.2703

REMOVE AND DISPOSE BBGR (112 LF) ITEM 606.73

CURVE NO. N-1

REMOVE AND DISPOSE BBGR TURNED DOWN TERMINAL
ITEM 606.7920

CURVE NO. N-2

TO SMITH ST.

BEGIN RAMP N 3.5" OVERLAY
TO 2" MILL & OVERLAY
STA. N 3+00

RAMP "N"

EXIT 4

REMOVE AND DISPOSE CBGR (134 LF)
ITEM 606.71

REMOVE AND DISPOSE ANCHORAGE UNIT
ITEM 606.7910

REMOVE AND DISPOSE ANCHORAGE UNIT
ITEM 606.7910

BEGIN RAMP O 3.5" OVERLAY TO 2" MILL & OVERLAY
STA. O 4+75

FH-B-210

MATCH LINE DWG. PL-25

RAMP "O"

TO DS 25-5

CURVE NO. O-1

TO I-190 NB

INSTALL BBGR (SHOP BENT 237.6' RADIUS) (134 LF) ITEM 606.100002

REMOVE AND DISPOSE CBGR (808 LF) ITEM 606.71

INSTALL BBGR (SHOP BENT 524.7' RADIUS) (120 LF) ITEM 606.100002

INSTALL BBGR (234 LF) ITEM 606.10

END RAMP O TRANSITION FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. O 3+00

MATCH LINE DWG. PL-23

MATCH LINE DWG. PL-23

MATCH LINE DWG. PL-25

0 25 50 FEET
SCALE 1" = 50'

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACEMENT AND CONSTRUCTION DETAILS.
3. SEE DWGS SSP-12 FOR STRUCTURE LOCATION, SDS-4 AND SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-15 TO OSP-16 FOR SIGN STRUCTURE DETAILS.
4. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.
5. THE EXISTING SOLAR POWERED TMS EQUIPMENT ATTACHED TO THE EXISTING OVERHEAD SIGN POLES SHALL BE RELOCATED ON A NEW POLE. SEE DETAILS ON DWG. MD-9. THE EXISTING TRANSMIT EQUIPMENT LOCATED ON THE OVERHEAD STRUCTURE SHALL BE CAREFULLY REMOVED & STORED FOR NYSTA PICK-UP.

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

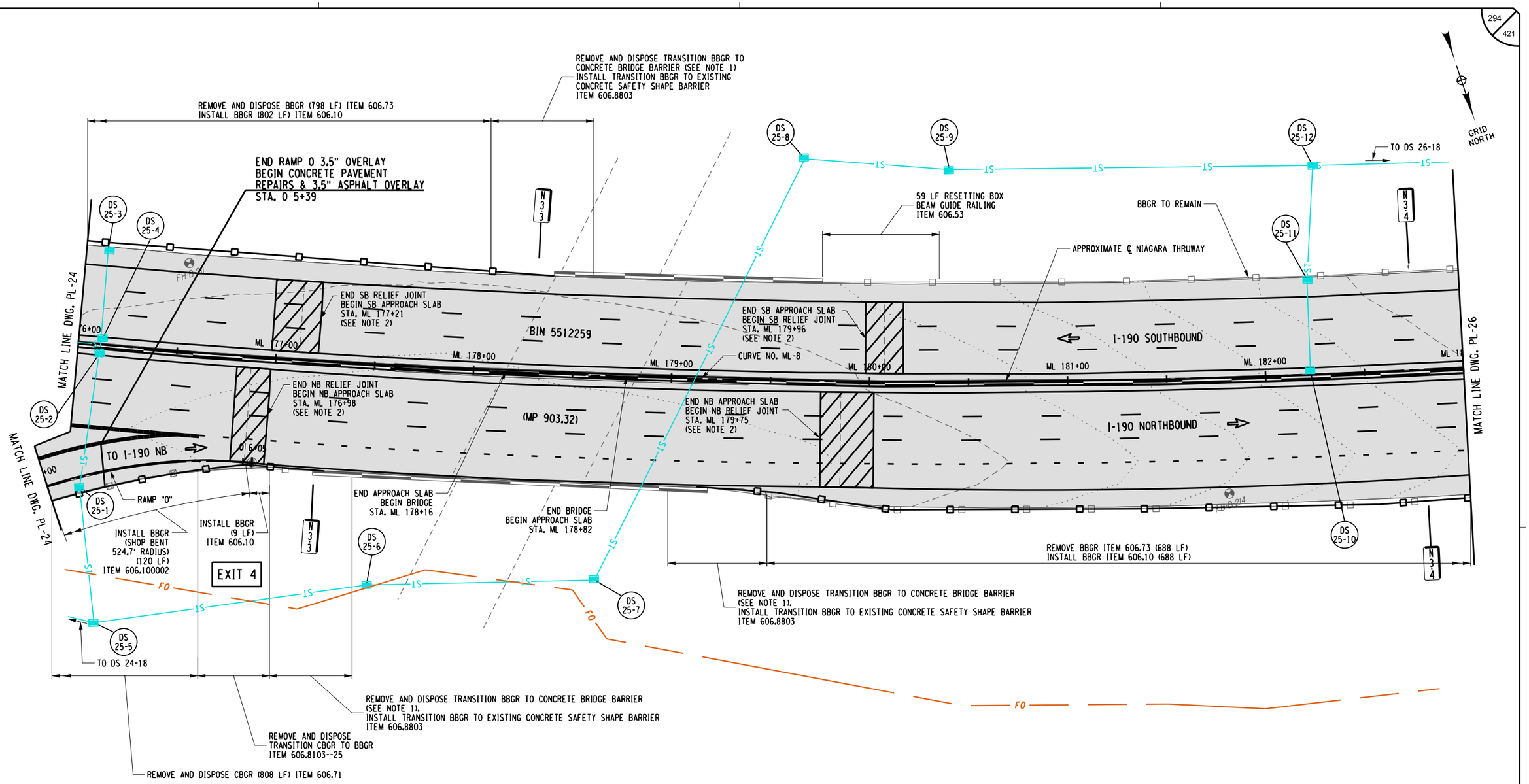
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PL-24



DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-25

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER (SEE NOTE 1)
INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER
ITEM 606.8803

REMOVE AND DISPOSE BBGR (673 LF) ITEM 606.73
INSTALL BBGR (673 LF) ITEM 606.10

GRID NORTH

MATCH LINE DWG. PL-25

MATCH LINE DWG. PL-27

TO DS 25-12

TO DS 25-12

TO DS 27-9

TO DS 27-11

BBGR TO REMAIN

APPROXIMATE ℄ NIAGARA THRUWAY

51 LF RESETTING BOX BEAM GUIDE RAILING
ITEM 606.53

CURVE NO. ML-8

VAN RENSSELAER STREET

END SB APPROACH SLAB
BEGIN SB RELIEF JOINT
STA. ML 188+45
(SEE NOTE 2)

REMOVE AND DISPOSE CONCRETE BARRIER (495 LF) ITEM 606.75
SINGLE SLOPE CONCRETE MEDIAN BARRIER (455 LF)
ITEM 606.3042

END SB RELIEF JOINT
BEGIN SB APPROACH SLAB
STA. ML 186+26
(SEE NOTE 2)

BIN 5512269

I-190 SOUTHBOUND

I-190 NORTHBOUND

ML 184+00

ML 185+00

ML 186+00

ML 187+00

ML 188+00

ML 189+00

END APPROACH SLAB
BEGIN BRIDGE
STA. ML 187+09

(MP 903.48)

END BRIDGE
BEGIN APPROACH SLAB
STA. ML 188+04

END NB APPROACH SLAB
BEGIN NB RELIEF JOINT
STA. ML 188+43
(SEE NOTE 2)

CONCRETE MEDIAN BARRIER TRANSITION (20 LF)
ITEM 606.90000011

TMS PULLBOX

INSTALL LOOP DETECTORS (TYP.)
ITEM 680.5840--25
SEE TA680-01 FOR DETAILS

END NB RELIEF JOINT
BEGIN NB APPROACH SLAB
STA. ML 186+26
(SEE NOTE 2)

PROPOSED MONOPIPE CANTILEVER SIGN STRUCTURES (S 903.51)
(SEE NOTE 3)

58 LF RESETTING BOX BEAM GUIDE RAILING
ITEM 606.53

EXISTING SOLAR TMS CABINET TO REMAIN

REMOVE BBGR ITEM 606.73 (688 LF)
INSTALL BBGR ITEM 606.10 (688 LF)

REMOVE EXISTING BOX BEAM GUIDE RAIL AND REPLACE WITH PROPOSED BOX BEAM GUIDE RAIL ATTACHED TO CONCRETE
ITEM 606.1001--25

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER
(SEE NOTE 1),
INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER
ITEM 606.8803

FH-B 216

FH-B 217

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
EXCELSIOR
PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.
3. SEE DWGS SSP-14 FOR STRUCTURE LOCATION, SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-17 TO OSP-18 FOR SIGN STRUCTURE DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

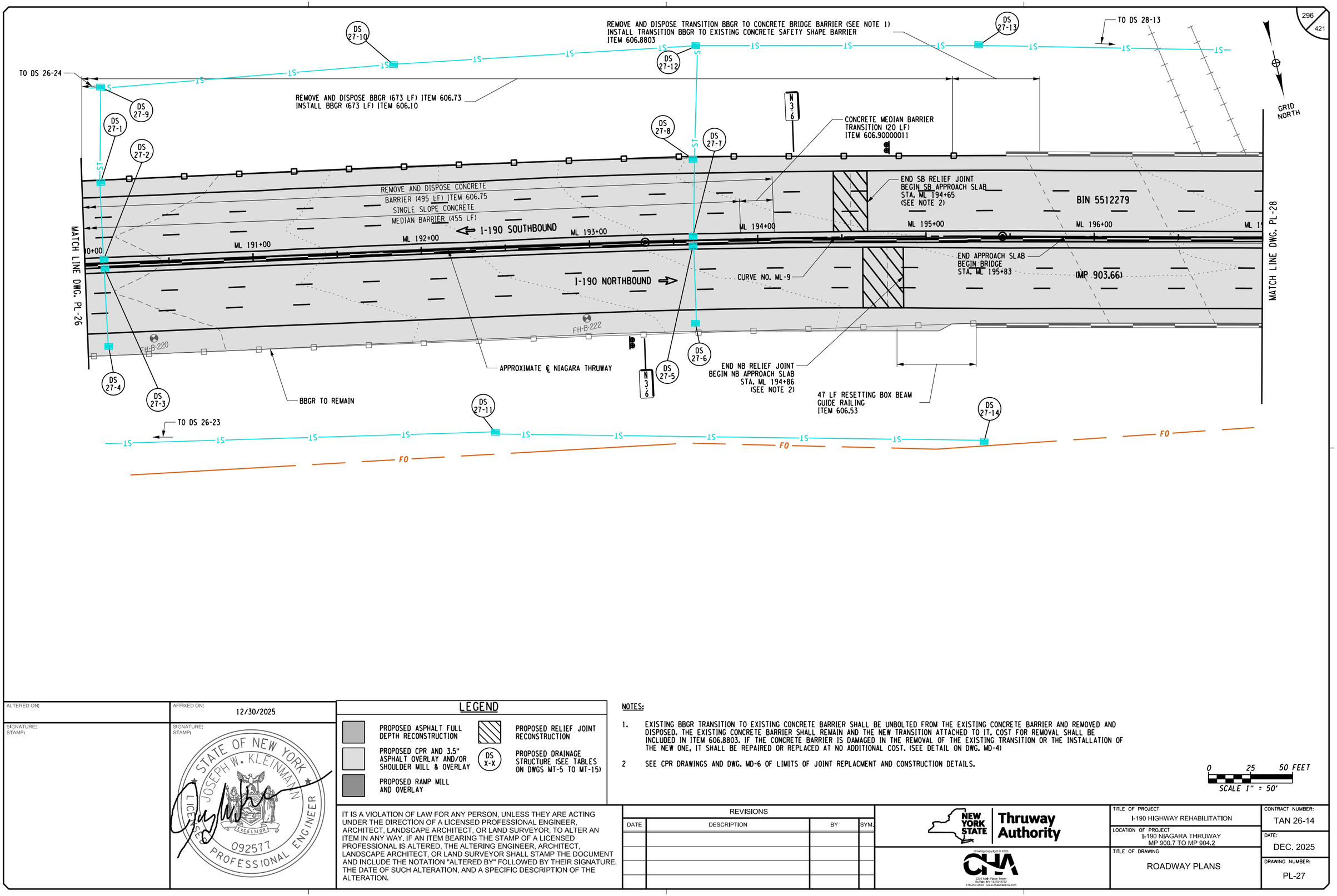
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PL-26



CHECKED BY: J KLEINMANN

DRAFTED BY: N HOY

DESIGNED BY: P THOMPSON

CHECKED BY: J KLEINMANN

DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- (DS X-X) PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

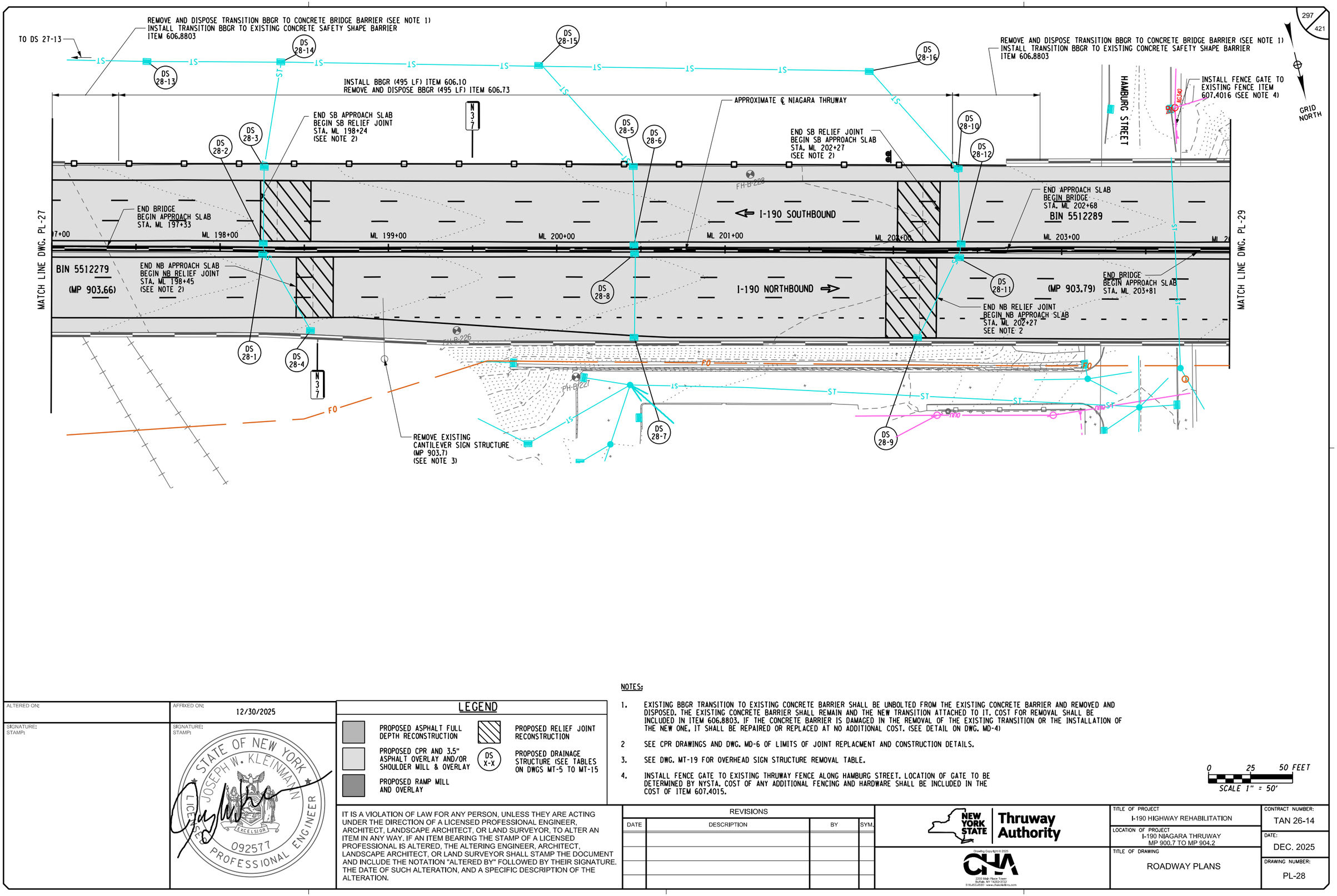
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-27



DESIGNED BY: P THOMPSON
CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: JOSEPH W. KLEINMANN, LICENSED, 092577, PROFESSIONAL ENGINEER, STATE OF NEW YORK, EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.
3. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.
4. INSTALL FENCE GATE TO EXISTING THRUWAY FENCE ALONG HAMBURG STREET. LOCATION OF GATE TO BE DETERMINED BY NYSTA. COST OF ANY ADDITIONAL FENCING AND HARDWARE SHALL BE INCLUDED IN THE COST OF ITEM 607.4015.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-28

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER ITEM 606.8803

INSTALL BBGR (669 LF) ITEM 606.10

REMOVE AND DISPOSE CBGR (620 LF) ITEM 606.71

REMOVE AND DISPOSE ANCHORAGE UNIT ITEM 606.7910

REMOVE AND DISPOSE TRANSITION BBGR TO CBGR ITEM 606.8103--25

REMOVE EXISTING OVERHEAD SIGN STRUCTURE (MP 903.81) (SEE NOTE 4)

GRID NORTH

MATCH LINE DWG. PL-28

BIN 5512289

(MP 903.79)

END SB APPROACH SLAB
BEGIN NB RELIEF JOINT
STA. ML 204+65 SEE NOTE 2

END NB APPROACH SLAB
BEGIN NB RELIEF JOINT
STA. ML 204+65 SEE NOTE 2

CURVE NO. ML-10

ML 204+00
ML 205+00
ML 206+00
ML 207+00
ML 208+00
ML 209+00
ML 210+00

I-190 SOUTHBOUND

I-190 NORTHBOUND

TO DS 30-3

MATCH LINE DWG. PL-30

APPROXIMATE ℄ NIAGARA THRUWAY

BEGIN RAMP P 3.5" OVERLAY TO 2" MILL & OVERLAY
STA. P 2+75

TO HAMBURG ST.

P 3+00

EXIT 5

INSTALL BOX BEAM END PIECE ITEM 606.120101

END CONCRETE PAVEMENT REPAIRS & 3.5" ASPHALT OVERLAY
END RAMP P 3.5" OVERLAY
STA. P 1+68

CURVE NO. P-1

PROPOSED CANTILEVER SIGN STRUCTURE (MP 903.81) (SEE NOTE 3)

REMOVE AND DISPOSE BBGR TURNED DOWN TERMINAL ITEM 606.7920

CURVE NO. P-2

RAMP "P"

END RAMP P TRANSITION FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. P 4+50

INSTALL BBGR ITEM 606.10 (79 LF)

INSTALL BBGR (SHOP BENT 214.8' RADIUS 131 LF) ITEM 606.10

REMOVE BBGR ITEM 606.73 (247 LF)

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER (SEE NOTE 1). INSTALL TRANSITION BBGR TO EXISTING CONCRETE SAFETY SHAPE BARRIER ITEM 606.8803

MATCH LINE DWG. PL-31

TO DS 30-14

TO I-190 NB

RAMP "Q"

END RAMP Q TRANSITION FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. Q 5+25

CURVE NO. Q-2

Q 5+00

MATCH LINE DWG. PL-31

NOTES:

1. EXISTING BBGR TRANSITION TO EXISTING CONCRETE BARRIER SHALL BE UNBOLTED FROM THE EXISTING CONCRETE BARRIER AND REMOVED AND DISPOSED. THE EXISTING CONCRETE BARRIER SHALL REMAIN AND THE NEW TRANSITION ATTACHED TO IT. COST FOR REMOVAL SHALL BE INCLUDED IN ITEM 606.8803. IF THE CONCRETE BARRIER IS DAMAGED IN THE REMOVAL OF THE EXISTING TRANSITION OR THE INSTALLATION OF THE NEW ONE, IT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. (SEE DETAIL ON DWG. MD-4)
2. SEE CPR DRAWINGS AND DWG. MD-6 OF LIMITS OF JOINT REPLACMENT AND CONSTRUCTION DETAILS.
3. SEE DWGS SSP-15 FOR STRUCTURE LOCATION, SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-19 TO OSP-20 FOR SIGN STRUCTURE DETAILS.
4. SEE DWG. MT-19 FOR OVERHEAD SIGN STRUCTURE REMOVAL TABLE.

0 25 50 FEET
SCALE 1" = 50'

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 OT MT-15)

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

TITLE OF DRAWING
ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: PL-29

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH

INSTALL BBGR (669 LF)
ITEM 606.10

INSTALL BBGR END ASSEMBLY, TYPE I ITEM 606.120102

REMOVE AND DISPOSE ANCHORAGE UNIT
ITEM 606.7910

END RAMP R 3.5" OVERLAY
BEGIN CONCRETE PAVEMENT REPAIRS & 3.5" ASPHALT OVERLAY
STA. R 7+81

END RAMP R TRANSITION FROM 3.5" OVERLAY
BEGIN 2" MILL & OVERLAY
STA. R 5+50

MATCH LINE DWG. PL-31

CURVE NO. R-2

RAMP "R"

BEGIN RAMP R 3.5" OVERLAY TO 2" MILL & OVERLAY
STA. R 7+25

TO I-190 SB

R 7+00

R 8+69

DS 30-2

DS 30-3

MATCH LINE DWG. PL-29

1+00

ML 212+00

ML 213+00

ML 214+00

ML 215+00

ML 216+00

ML 217+00

CURVE NO. ML-10

CURVE NO. ML-11

APPROXIMATE ℄ NIAGARA THRUWAY

MILE 4

DS 30-5

DS 30-7

EXIT 5

I-190 SOUTHBOUND

I-190 NORTHBOUND

MATCH LINE DWG. PL-31

TO DS 31-2

DS 30-13

RAMP "S"

TO LOUISIANA STREET

DS 30-10

DS 30-12

CURVE NO. S-2

END CPR AND 3.5" ASPHALT OVERLAY
BEGIN FULL DEPTH ASPHALT PAVEMENT (TRAVEL LANES & OUTSIDE SHOULDERS) & 1.5" MILL AND OVERLAY (INSIDE SHOULDERS)
TRANSITION TO EXISTING GRADE
STA. ML 217+95

DS 30-11

MATCH LINE DWG. PL-32

GRID NORTH

FH-B-235

DS 30-8

ML 2

TO I-190 NB

Q 8+44

MATCH LINE DWG. PL-29

1+00

RAMP "Q"

TO DS 29-12

DS 30-1

DS 30-14

CURVE NO. Q-2

FH-B-233

DS 30-4

DS 30-15

MILE 4

DS 30-16

DS 30-6

EXISTING VMS BOARD TO REMAIN (MP 904.05)

DS 30-9

REMOVE BBGR ITEM 606.73 (739 LF)
INSTALL BBGR ITEM 606.10 (629 LF)

EXISTING HAMBURG DRAIN

END RAMP Q 3.5" OVERLAY
BEGIN CONCRETE PAVEMENT REPAIRS & 3.5" ASPHALT OVERLAY
STA. Q 7+58

BEGIN RAMP Q 3.5" OVERLAY TO 2" MILL & OVERLAY
STA. Q 7+00

REMOVE AND DISPOSE BBGR ENERGY ABSORBING TERMINAL
ITEM 606.7921
INSTALL BBGR END ASSEMBLY, TYPE III
ITEM 606.1203

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

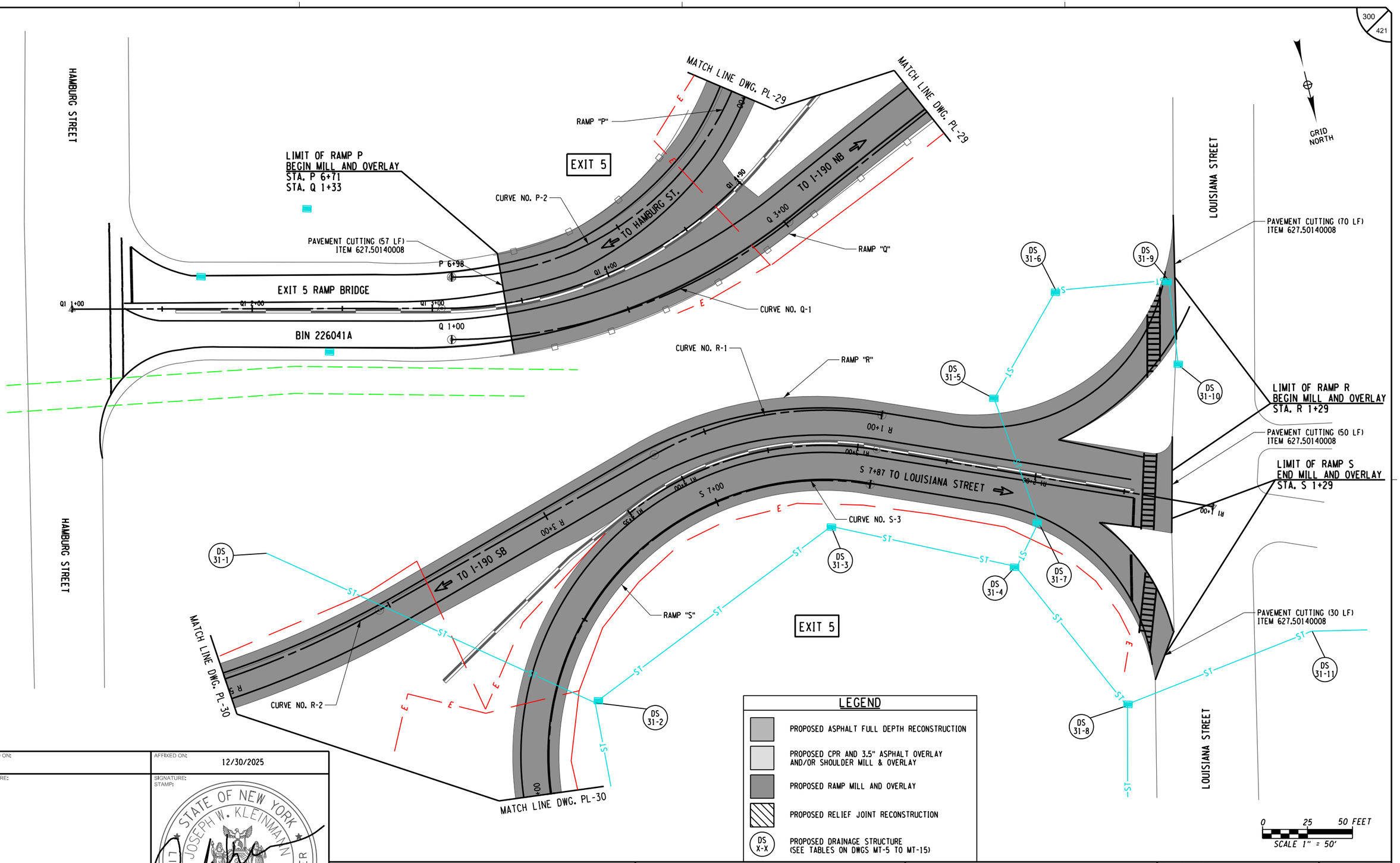
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobl@cha.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	ROADWAY PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	PL-30



LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 • www.chacbl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: ROADWAY PLANS	DRAWING NUMBER: PL-31

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

END FULL DEPTH ASPHALT PAVEMENT RECONSTRUCTION TRANSITION / BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION AT EXISTING GRADE STA. ML 219+70

END CONCRETE PAVEMENT REPAIRS BEGIN MILL AND OVERLAY RAMP - S STA. S 2+09

EXIT 5

MATCH LINE DWG. PL-30

CURVE NO. S-2

RAMP "S"

TO LOUISIANA STREET

CURVE NO. S-1

TO DS 31-8

SPECIAL TRANSITION 42" SSCMB TO VERTICAL FACE BLOCK AT FACE/EDGE OF ABUTMENT ITEM 606.26500108 (SEE NOTE 3)

REMOVE AND DISPOSE COCNRETE BARRIER - HALF SECTION ITEM 606.7510 (SEE NOTE 3)

INSTALL 42" SSCMB (20 LF) ITEM 606.3042

TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SSCB (LEFT POCKET) ITEM 606.9003 (SEE NOTE 3)

INSTALL TRANSITION BBGR TO SSCHB ITEM 606.8803
REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BRIDGE BARRIER

PROPOSED OVERHEAD SIGN STRUCTURE (MP 904.16) (SEE NOTE 2)

EXISTING SEWER DRAIN

GRID NORTH

LOUISIANA STREET

DS 32-10, DS 32-4, DS 32-12, DS 32-8

CONCRETE MEDIAN BARRIER TRANSITION (20 LF) ITEM 606.90000011

REMOVE AND DISPOSE CONCRETE BARRIER (465 LF) ITEM 606.75
SINGLE SLOPE CONCRETE MEDIAN BARRIER (425 LF) ITEM 606.3042

I-190 SOUTHBOUND

I-190 NORTHBOUND

ML 219+00, ML 220+00, ML 221+00, ML 222+00, ML 223+00, ML 224+00

BIN 5512290 (MP 904.13)

DS 32-2, DS 32-3, DS 32-6, DS 32-7

CURVE NO. ML-11

INSTALL LOOP DETECTORS (TYP.) ITEM 680.5840--25 SEE TA680-01 FOR DETAILS

CURVE NO. ML-12

MATCH LINE DWG. PL-33

TO DS 33-6

DS 32-9, DS 32-13

APPROXIMATE ℄ NIAGARA THRUWAY

DS 32-1, DS 32-11, DS 32-5

TMS PULLBOX

EXISTING SOLAR TMS CABINET TO REMAIN

PROPOSED MONOPIPE CANTILEVER SIGN STRUCTURE (S 904.11) (SEE NOTE 2)

EXISTING HAMBURG DRAIN

INSTALL SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (100 LF) ITEM 606.3061 SEE THRUWAY STANDARD SHEET TA 606-04

REMOVE BBGR ITEM 606.73 (739 LF)
INSTALL BBGR ITEM 606.10 (629 LF)

INSTALL TRANSITION BBGR TO SSCHB ITEM 606.8803

REMOVE AND DISPOSE TRANSITION BBGR TO CONCRETE BARRIER (SEE NOTE 1)
INSTALL TRANSITION BBGR TO 42" SINGLE SLOPE HALF SECTION CONCRETE BARRIER ITEM 606.8803

REMOVE AND DISPOSE CONCRETE BARRIER HALF SECTION ITEM 606.7510 (100 LF)

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

NOTES:

1. COST TO REMOVE BBGR TO HALF SECTION CONCRETE BARRIER INCLUDED IN ITEM 606.73 FOR THE RAILLING AND ITEM 606.7501 FOR THE CONCRETE BARRIER.
2. SEE DWGS SSP-16 FOR STRUCTURE LOCATION, SDS-4 AND SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-21 TO OSP-24 FOR SIGN STRUCTURE DETAILS.
3. SEE MD-6 FOR CONCRETE BARRIER REMOVAL AND SPECIAL TRANSITION DETAIL.

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1616 · www.chacobleams.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

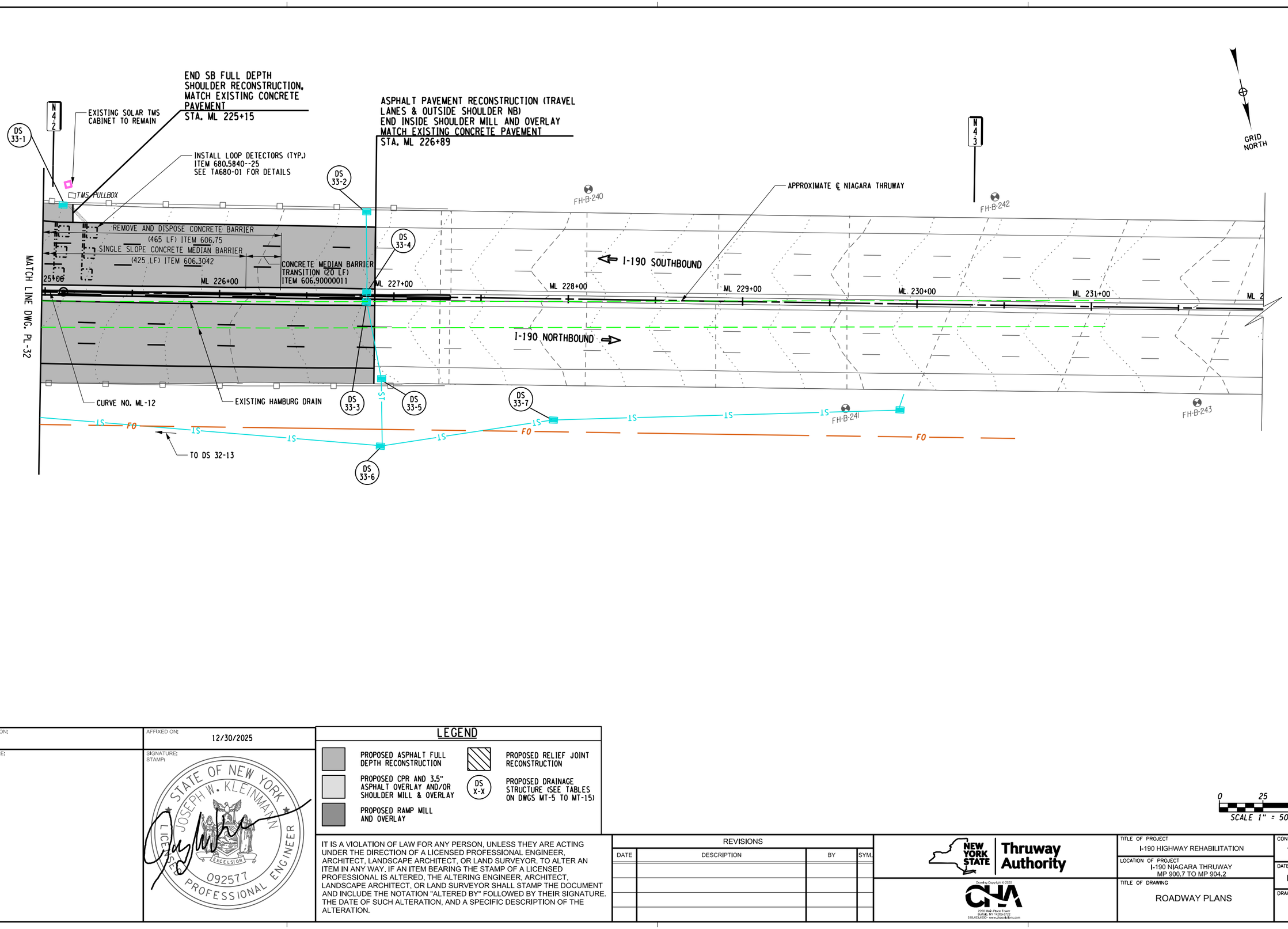
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: ROADWAY PLANS

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: PL-32



CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

LEGEND

- PROPOSED ASPHALT FULL DEPTH RECONSTRUCTION
- PROPOSED CPR AND 3.5" ASPHALT OVERLAY AND/OR SHOULDER MILL & OVERLAY
- PROPOSED RAMP MILL AND OVERLAY
- PROPOSED RELIEF JOINT RECONSTRUCTION
- DS X-X — PROPOSED DRAINAGE STRUCTURE (SEE TABLES ON DWGS MT-5 TO MT-15)

0 25 50 FEET
SCALE 1" = 50'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: ROADWAY PLANS	DRAWING NUMBER: PL-33

SERVICE POINT PANELBOARD SCHEDULE

SERVICE POINT (SEE PLANS)	CIRCUIT NUMBER	100 AMP, 1 PHASE, 3 WIRE, 120/240 VOLTS				MINIMUM BRANCH CIRCUIT WIRE SIZE
		BREAKERS			LUMINAIRE NUMBER SERVED OR REMARKS	
		FRAME	POLES	TRIP		
"OG" AT SOUTH OGDEN STREET	OG-1		2	20	15, 17, 19, 21, 23, 25, 26, 28, 30, 32, 34, 36, 38, 40, W30	#6
	OG-2		2	20	14, 16, 18, 20, 22, 24, 27, 29, 31, 33, 35, W31	#6
	OG-3		1	20	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	#12
	OG-4				CONVENIENCE OUTLET (EXISTING)	
			2	100	MAIN DISCONNECT (EXISTING) 240/120V 1PH 100A MCB PANEL	#2
"CL" AT CLINTON STREET	CL-1		2	20	37, 39, 41, 42, 43, 44, 45, 46, 47, 48	#6
	CL-2		2	20	CONVENIENCE OUTLET (EXISTING)	#6
			2	100	MAIN DISCONNECT (EXISTING) 240/120V 1PH 100A MCB PANEL	#12 #2
"KE" AT MILTON STREET	KE-1		2	20	49, 50, 51, 52, 54, 55, 56, 58, 59	#6
	KE-2		2	20	57, 60, 61, 62, 63	#6
	KE-3		2	20	64, 65, 66, 68	#6
	KE-4		2	20	67, 69, 70, 72, 73, 74, 75, 76, 77, 78, 79	#6
	KE-5		1	20	CONVENIENCE OUTLET (EXISTING)	#12
			2	100	MAIN DISCONNECT (EXISTING) 240/120V 1PH 100A MCB PANEL	#2
"SM" AT SMITH STREET	SM-1		2	20	80, 81, 82, 83, 84, 85, 86, 88	#6
	SM-2		2	20	87, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101	#6
	SM-3		1	20	CONVENIENCE OUTLET (EXISTING)	#12
			2	100	MAIN DISCONNECT (EXISTING) 240/120V 1PH 100A MCB PANEL	#1/0
"LO" AT LOUISIANA STREET	LO-1		2	20	102, 103, 104, 105, 109, 113, 115	#6
	LO-2		2	20	106, 107, 108, 110, 111, 112, 114, 116	#6
	LO-3		1	20	CONVENIENCE OUTLET (EXISTING)	#12
			2	100	MAIN DISCONNECT (EXISTING) 240/120V 1PH 100A MCB PANEL	#1/0

GENERAL ELECTRICAL NOTES:

1. ALL ELECTRICAL WIRING CONDUCTORS SHALL BE NEW, 98% COPPER AND COLOR CODED WITH TYPE "THWN" INSULATION FOR 600 V RATED CONDUCTORS. WIRE SHALL BE INSTALLED IN 2" DIAMETER CONDUIT UNLESS OTHERWISE SPECIFIED. BELOW GRADE CONDUIT, SHALL BE RIGID PLASTIC CONDUIT; CONDUIT UNDER ROADWAYS SHALL BE GALVANIZED STEEL PLASTIC COATED 2" CONDUIT. CONDUIT SHALL BE BURIED A MINIMUM OF 24" BELOW GRADE UNLESS OTHERWISE SPECIFIED. PAYMENT WILL BE MADE UNDER ITEMS 206.03, 670.2602, 670.2306, 670.7004, 670.7501, & 680.53.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXTENT OF WORK REQUIRED AT THE EXISTING SERVICE DISTRIBUTION AREAS. SOME OF WHICH MAY NOT BE SHOWN IN THE CONTRACT DOCUMENTS, PRIOR TO SUBMITTING HIS BID AND PREPARE HIS BID ACCORDINGLY. PAYMENT FOR THE WORK AT THE SERVICE DISTRIBUTION AREAS SHALL BE PAID FOR UNDER ITEM 670.40230008.

3. ALL WORK SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE 2023 NATIONAL ELECTRIC CODE, NATIONAL SAFETY CODE, OSHA, NATIONAL GRID, NEW YORK STATE THRUWAY AUTHORITY AND ALL OTHER AGENCIES WHICH MAY HAVE JURISDICTION OVER WORK. THE ENGINEER SHALL RESOLVE ALL CONFLICTING REQUIREMENTS. ALL NEW AND TEMPORARY LIGHTING SHALL BE SUBJECT TO AN UNDERWRITERS INSPECTION AND APPROVAL.

4. THE LOCATIONS OF EXISTING SERVICE POINTS, LIGHTING, CONDUIT AND PULL BOXES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE FIELD VERIFIED BY NYSTA.

5. CONDUIT CONNECTED TO PULL BOXES SHALL BE SLOPED TO DRAIN THEM. NO DRAINS SHALL BE INSTALLED IN THE CONDUIT AND ALL CONDUIT RUNS SHALL BE WATERTIGHT AND KEPT FREE OF WATER BY THE CONTRACTOR AT ALL TIMES.

6. THE ENDS OF ALL CONDUIT RUNS SHALL BE PROVIDED WITH CAPPED BUSHINGS DURING CONSTRUCTION TO AVOID FILLING WITH DEBRIS; ETC.

7. ALL PROPOSED LIGHTING EQUIPMENT SHALL BE BONDED AND GROUNDED TO THE SYSTEM GROUNDING WIRE PLUS A DRIVEN GROUNDING ROD INSTALLED AT EACH LIGHT FIXTURE LOCATION EXCEPT WHEN ON A BRIDGE STRUCTURE IN WHICH CASE THE SUPPLEMENTARY GROUNDING ROD SHALL BE OMITTED.

8. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER USING MATERIALS AND METHODS APPROVED BY THE ENGINEER. TURF AREAS SHALL BE RESTORED BY TOPSOILING (4") AND SEEDING. THE COST OF ALL RESTORATION WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.

9. ALL FIELD CUT CONDUIT ENDS SHALL BE REAMED TO PREVENT WIRE DAMAGE. CONDUIT ENDS TERMINATING IN PULL BOXES OR POLES SHALL BE FURNISHED WITH BUSHINGS. NO CONDUIT BENDS SHALL BE MADE WITH RADIUS SMALLER THAN RECOMMENDED BY THE MANUFACTURER. ALL BENDS SHALL BE MADE WITH TOOLS AND METHODS RECOMMENDED BY THE MANUFACTURER. EXPOSED CONDUIT SHALL BE SUPPORTED AT LEAST EVERY THREE FEET.

10. SPLICES THAT MAY BECOME NECESSARY IN CIRCUIT WORK AT POLE BASES AND PULLBOXES SHALL BE MADE WITH APPROVED SOLDERLESS CONNECTORS. UNDERGROUND SPLICES SHALL BE "MADE WITH WATERPROOF SPLICE KITS -- EPOXY TYPE AS MANUFACTURED BY 3M OR APPROVED EQUAL.

11. THE COST OF ALL WIRING FROM THE POLE BASE TO THE LUMINAIRE, INCLUDING SPLICING, FUSES AND OTHER LABOR AND MATERIAL, SHALL BE INCLUDED IN THE PRICE BID FOR RESPECTIVE WIRE ITEMS.

12. THE CONTRACTOR SHALL MAINTAIN THE NEW LIGHTING SYSTEM UNTIL FINAL ACCEPTANCE OF THE CONTRACT. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS LIGHTING ITEMS.

13. CONDUITS INSTALLED IN BRIDGE RAILING CONCRETE SECTIONS SHALL TERMINATE A MINIMUM OF 2 FT BEYOND THE END OF THE BRIDGE RAILING OUTSIDE OF THE PAVED SURFACE AND A MINIMUM OF 2 FT UNDER THE GROUND SURFACE.

14. HOT DIPPED GALVANIZED, MALLEABLE PIPE STRAPS AND SPACERS SHALL BE USED TO ATTACH CONDUIT TO BRIDGE STRUCTURES. GALVANIZED STEEL CONDUIT HANGERS OR PIPE CLAMPS WILL NOT BE ALLOWED. PIPE STRAPS OF THE PROPER SIZE SHALL BE INSTALLED 4 FT CENTER TO CENTER ALONG THE CONDUIT. WHEN FASTENING PIPE STRAPS TO CONCRETE, A 3/8 IN. BY 2 1/2 IN. GALVANIZED STEEL LAG SCREW, WITH AN APPROVED SLEEVE, SHALL BE USED; HOWEVER, OTHER APPROVED EXPANSION ANCHORS MAY BE USED. THE PIPE STRAP AND SPACER SHALL BE BOLTED TO THE STEEL BEAMS IF APPLICABLE.

    EXPANSION FITTINGS SHALL BE INSTALLED WHERE CONDUIT CROSSES AN EXPANSION JOINT IN THE STRUCTURE. WHERE IT IS DEEMED INADVISABLE TO INSTALL EXPANSION FITTINGS IN CLOSELY CONFINED AREAS, THE INSTALLATION OF APPROVED FLEXIBLE TUBING MAY BE ALLOWED. SUCH EXPANSION JOINTS OR TUBING SHALL BE THE SAME SIZE AS THE CONDUIT.

15. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING LIGHTING WIRE FROM THE PREVIOUS MEDIAN LIGHTING UNDER ITEM 670.94120004. THE EXISTING ANCHOR BOLTS PROTRUDING FROM THE BARRIER SHALL BE CUT AND THE EXISTING CONDUITS CAPPED. COST INCLUDED IN ITEM 670.94120004.

16. CONTRACTOR SHALL SUPPLY AS-BUILT LOCATIONS OF ALL PULLBOXES, LIGHT POLES, AND LIGHTING EQUIPMENT. COST INCLUDED IN THE PRICE BID FOR ITEM 625.01.

17. CONTRACTOR SHALL INSTALL POLE ID TAGS ON ALL NEW MAINLINE AND EXISTING RAMP LIGHT POLES. THE ID TAGS SHALL BE REFLECTIVE STICKERS, 3 INCHES HIGH, BLACK NUMBERS WITH A WHITE BACKGROUND, PLACED 10 FT ABOVE THE BASE OF THE LIGHT POLE AND VISIBLE FROM THE SHOULDER IN THE DIRECTION OF TRAVEL. NUMBERING OF THE LIGHT POLES SHALL START FROM THE POLES NEAR EXIT 1 AND BE NUMBERED SEQUENTIALLY AS FOLLOWS: I-190 NB SHALL BE EVEN NUMBERS STARTING AT 02, I-190 SB SHALL BE ODD NUMBERS STARTING AT 01. CONTRACTOR SHALL SUBMIT A SAMPLE TO THE AUTHORITY FOR APPROVAL PRIOR TO ORDERING THE POLE ID TAG STICKERS. COST TO FURNISH AND INSTALL THE POLE ID TAGS IS INCLUDED IN THE PRICE BID FOR ITEM 670.1540.

DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGNED BY: T ANDREWS
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble@chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: LIGHTING DETAILS

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: LD-1

PROPOSED LIGHTING SCHEDULE

POLE NUMBER	STATION	OFFSET		670.0107 EA	670.1540 EA	670.1718 EA	670.1720 EA	670.19 EA	670.5075--25 EA	TYPE 3•	TYPE 4•	SERVICE POINT	CIRCUIT
LP-1	ML 27+48	76.29	RT	1	1	1		1	1	1		OG	OG-3
LP-2	ML 28+44	87.40	LT	1	1	1		1	1	1		OG	OG-3
LP-3	ML 29+35	76.39	RT	1	1	1		1	1	1		OG	OG-3
LP-4	ML 30+31	91.13	LT	1	1	1		1	1	1		OG	OG-3
LP-5	ML 31+28	86.08	RT	1	1	1		1	1	1		OG	OG-3
LP-6	ML 32+28	91.94	LT	1	1	1		1	1	1		OG	OG-3
LP-7	ML 33+22	61.95	RT	1	1		1	1	1	1		OG	OG-3
LP-8	ML 34+73	70.23	LT	1	1	1		1	1	1		OG	OG-3
LP-9	ML 36+00	61.66	RT	1	1		1	1	1	1		OG	OG-3
LP-10	ML 37+13	65.51	LT	1	1	1		1	1	1		OG	OG-3
LP-11	ML 38+87	77.92	RT	1	1	1		1	1	1		OG	OG-3
LP-12	ML 39+64	74.73	LT	1	1	1		1	1	1		OG	OG-3
LP-13	ML 41+17	74.18	RT	1	1		1	1	1		1	OG	OG-3
LP-14	ML 42+29	74.24	LT	1	1		1	1	1		1	OG	OG-2
LP-15	ML 43+71	74.90	RT	1	1		1	1	1		1	OG	OG-1
LP-16	ML 44+67	71.43	LT	1	1	1		1	1		1	OG	OG-2
LP-17	ML 45+95	75.28	RT	1	1	1		1	1		1	OG	OG-1
LP-18	ML 47+30	64.58	LT	1	1	1		1	1		1	OG	OG-2
LP-19	ML 48+60	70.81	RT	1	1	1		1	1		1	OG	OG-1
LP-20	ML 49+89	62.51	LT	1	1	1		1	1		1	OG	OG-2
LP-21	ML 51+69	60.65	RT	1	1	1		1	1		1	OG	OG-1
LP-22	ML 53+46	65.09	LT	1	1	1		1	1		1	OG	OG-2
LP-23	ML 55+26	62.35	RT	1	1	1		1	1		1	OG	OG-1
LP-24	ML 57+01	65.91	LT	1	1	1		1	1		1	OG	OG-2
LP-25	ML 58+73	58.84	RT	1	1	1		1	1		1	OG	OG-1
LP-26	ML 60+56	62.77	RT	1	1	1		1	1		1	OG	OG-1
LP-27	ML 62+24	71.37	LT	1	1		1	1	1		1	OG	OG-2
LP-28	ML 64+00	59.54	RT	1	1		1	1	1		1	OG	OG-1
LP-29	ML 65+79	71.97	LT	1	1		1	1	1		1	OG	OG-2
LP-30	ML 67+55	59.12	RT	1	1		1	1	1		1	OG	OG-1
LP-31	ML 69+35	72.16	LT	1	1		1	1	1		1	OG	OG-2
LP-32	ML 71+20	62.72	RT	1	1	1		1	1		1	OG	OG-1
LP-33	ML 72+97	58.44	LT	1	1	1		1	1		1	OG	OG-2
LP-34	ML 74+78	68.27	RT	1	1	1		1	1		1	OG	OG-1
LP-35	ML 76+56	57.91	LT	1	1	1		1	1		1	OG	OG-2
LP-36	ML 78+22	69.97	RT	1	1	1		1	1		1	OG	OG-1
LP-37	ML 79+65	76.52	LT	1	1	1		1	1		1	CL	CL-1
LP-38	ML 81+48	57.04	RT	1	1	1		1	1		1	OG	OG-1
LP-39	ML 83+29	61.35	LT	1	1	1		1	1		1	CL	CL-1
LP-40	ML 85+08	55.72	RT	1	1	1		1	1		1	OG	OG-1
LP-41	ML 86+67	55.65	LT	1	1	1		1	1		1	CL	CL-1
LP-42	ML 88+20	57.84	RT	1	1	1		1	1		1	CL	CL-1
LP-43	ML 89+81	58.48	LT	1	1	1		1	1		1	CL	CL-1
LP-44	ML 91+39	58.55	RT	1	1	1		1	1		1	CL	CL-1
LP-45	ML 93+18	57.72	LT	1	1	1		1	1		1	CL	CL-1
LP-46	ML 94+97	60.92	RT	1	1	1		1	1		1	CL	CL-1
LP-47	ML 96+81	63.07	LT	1	1	1		1	1		1	CL	CL-1
LP-48	ML 98+34	56.97	LT	1	1	1		1	1		1	CL	CL-1
LP-49	ML 108+21	58.12	RT	1	1	1		1	1		1	KE	KE-1
LP-50	ML 109+96	61.50	RT	1	1	1		1	1		1	KE	KE-1
LP-51	ML 111+73	47.81	LT	1	1	1		1	1	1		KE	KE-1
LP-52	ML 113+52	59.01	RT	1	1	1		1	1	1		KE	KE-1
LP-53	ML 115+29	54.89	LT	1	1	1		1	1	1		KE	KE-1
LP-54	ML 117+07	59.71	RT	1	1	1		1	1	1		KE	KE-1
LP-55	ML 118+66	57.07	LT	1	1	1		1	1	1		KE	KE-1

PROPOSED LIGHTING SCHEDULE - CONTINUED

POLE NUMBER	STATION	OFFSET		670.0107 EA	670.1540 EA	670.1718 EA	670.1720 EA	670.19 EA	670.5075--25 EA	TYPE 3•	TYPE 4•	SERVICE POINT	CIRCUIT
LP-56	ML 119+98	59.37	RT	1	1	1		1	1	1		KE	KE-1
LP-57	ML 121+41	56.18	LT	1	1	1		1	1	1		KE	KE-2
LP-58	ML 123+48	55.64	RT	1	1	1		1	1	1		KE	KE-1
LP-59	ML 125+38	58.64	RT	1	1	1		1	1		1	KE	KE-1
LP-60	ML 127+07	71.78	LT	1	1	1		1	1		1	KE	KE-2
LP-61	ML 128+53	68.97	LT	1	1	1		1	1		1	KE	KE-2
LP-62	ML 130+00	63.49	LT	1	1	1		1	1		1	KE	KE-2
LP-63	ML 131+47	59.38	RT	1	1	1		1	1		1	KE	KE-2
LP-64	ML 133+17	55.76	LT	1	1	1		1	1		1	KE	KE-3
LP-65	ML 134+79	70.62	RT	1	1	1		1	1		1	KE	KE-3
LP-66	ML 136+20	58.08	LT	1	1	1		1	1		1	KE	KE-3
LP-67	ML 137+75	65.83	RT	1	1	1		1	1		1	KE	KE-4
LP-68	ML 139+28	56.57	LT	1	1	1		1	1	1		KE	KE-3
LP-69	ML 141+16	59.43	RT	1	1	1		1	1	1		KE	KE-4
LP-70	ML 142+97	56.35	LT	1	1	1		1	1	1		KE	KE-4
LP-71	ML 144+68	59.67	RT	1	1	1		1	1	1		KE	KE-4
LP-72	ML 146+43	57.85	LT	1	1	1		1	1	1		KE	KE-4
LP-73	ML 148+19	59.17	RT	1	1	1		1	1	1		KE	KE-4
LP-74	ML 149+64	58.33	LT	1	1	1		1	1	1		KE	KE-4
LP-75	ML 151+37	58.42	RT	1	1	1		1	1	1		KE	KE-4
LP-76	ML 152+74	57.2	LT	1	1	1		1	1	1		KE	KE-4
LP-77	ML 154+45	57.84	RT	1	1	1		1	1	1		KE	KE-4
LP-78	ML 156+38	56.38	LT	1	1	1		1	1	1		KE	KE-4
LP-79	ML 157+91	57.55	RT	1	1	1		1	1		1	KE	KE-4
LP-80	ML 164+17	57.53	RT	1	1	1		1	1		1	SM	SM-1
LP-81	ML 165+72	60.71	RT	1	1	1		1	1		1	SM	SM-1
LP-82	ML 167+15	67.32	RT	1	1	1		1	1		1	SM	SM-1
LP-83	ML 168+57	62.44	RT	1	1		1	1	1		1	SM	SM-1
LP-84	ML 170+00	61.62	LT	1	1	1		1	1		1	SM	SM-1
LP-85	ML 171+47	68.29	LT	1	1	1		1	1		1	SM	SM-1
LP-86	ML 172+87	66.07	LT	1	1	1		1	1		1	SM	SM-1
LP-87	ML 174+27	57.50	RT	1	1	1		1	1		1	SM	SM-2
LP-88	ML 175+85	58.79	LT	1	1	1		1	1	1		SM	SM-1
LP-89	ML 177+28	62.01	RT	1	1		1	1	1	1		SM	SM-2
LP-90	ML 179+73	54.94	LT	1	1		1	1	1	1		SM	SM-2
LP-91	ML 180+86	70.94	RT	1	1	1		1	1	1		SM	SM-2
LP-92	ML 182+27	57.47	LT	1	1	1		1	1	1		SM	SM-2
LP-93	ML 183+55	69.94	RT	1	1	1		1	1	1		SM	SM-2
LP-94	ML 184+94	56.33	LT	1	1	1		1	1	1		SM	SM-2
LP-95	ML 186+49	57.58	RT	1	1	1		1	1	1		SM	SM-2
LP-96	ML 188+11	53.36	LT	1	1	1		1	1	1		SM	SM-2
LP-97	ML 189+63	59.87	RT	1	1	1		1	1	1		SM	SM-2
LP-98	ML 191+18	58.91	LT	1	1	1		1	1	1		SM	SM-2
LP-99	ML 192+73	59.37	RT	1	1	1		1	1	1		SM	SM-2
LP-100	ML 194+07	55.6	LT	1	1	1		1	1	1		SM	SM-2
LP-101	ML 195+37	59.17	RT	1	1	1		1	1	1		SM	SM-2
LP-102	ML 197+58	56.79	LT	1	1	1		1	1	1		LO	LO-1
LP-103	ML 199+56	61.44	RT	1	1	1		1	1		1	LO	LO-1
LP-104	ML 201+05	57.49	LT	1	1	1		1	1		1	LO	LO-1
LP-105	ML 202+64	60.09	RT	1	1	1		1	1		1	LO	LO-1
LP-106	ML 204+39	57.04	LT	1	1	1		1	1		1	LO	LO-2
LP-107	ML 205+85	61.48	LT	1	1	1		1	1		1	LO	LO-2
LP-108	ML 207+38	68.47	LT	1	1	1		1	1		1	LO	LO-2
LP-109	ML 208+98	56.85	RT	1	1	1		1	1		1	LO	LO-1
LP-110	ML 210+33	69.01	LT	1	1	1		1	1		1	LO	LO-2
LP-111	ML 211+87	72.11	LT	1	1	1		1	1		1	LO	LO-2
LP-112	ML 213+36	57.98	LT	1	1	1		1	1		1	LO	LO-2
LP-113	ML 215+01	70.82	RT	1	1	1		1	1		1	LO	LO-1
LP-114	ML 216+70	58.16	LT	1	1	1		1	1		1	LO	LO-2
LP-115	ML 218+19	69.01	RT	1	1	1		1	1		1	LO	LO-1
LP-116	ML 219+90	67.1	LT	1	1	1		1	1		1	LO	LO-2
MISCELLANEOUS				2	2	2		2	2				
TOTAL				118	118	105	13	118	118				

PROPOSED PULL BOX SCHEDULE ITEM 670.3001

PULL BOX NUMBER	STATION	OFFSET		NO. OF BOXES ITEM 670.3001
PB-1	ML 32+72	104.46	RT	1
PB-2	ML 32+97	63.35	RT	1
PB-3	ML 33+76	109.1	LT	1
PB-4	ML 33+97	75.03	LT	1
PB-5	ML 37+58	64.03	RT	1
PB-6	ML 37+97	112.7	RT	1
PB-7	ML 37+98	64.38	LT	1
PB-8	ML 38+25	99.57	LT	1
PB-9	ML 41+58	74.59	RT	1
PB-10	ML 41+57	77.73	LT	1
PB-11	ML 42+29	74.24	LT	1
PB-12	ML 58+95	62.96	RT	1
PB-13	ML 59+20	75.44	LT	1
PB-14	ML 59+72	63.04	RT	1
PB-15	ML 60+52	72.43	LT	1
PB-16	ML 72+61	125.98	LT	1
PB-17	ML 72+88	79.3	LT	1
PB-18	ML 79+56	100.65	RT	1
PB-19	ML 79+64	59.93	RT	1
PB-20	ML 83+62	61.24	LT	1
PB-21	ML 84+09	60.9	LT	1
PB-22	ML 86+54	61.17	LT	1
PB-23	ML 90+90	58.56	RT	1
PB-24	ML 90+93	59.99	LT	1
PB-25	ML 117+72	61.00	RT	1
PB-26	ML 117+72	60.44	LT	1
PB-27	ML 120+14	59.01	RT	1
PB-28	ML 122+79	58.51	RT	1
PB-29	ML 124+24	67.74	LT	1
PB-30	ML 124+43	116.32	LT	1
PB-31	ML 128+50	95.86	RT	1
PB-32	ML 128+41	55.36	RT	1
PB-33	ML 128+73	71.54	LT	1
PB-34	ML 131+64	63.67	RT	1
PB-35	ML 132+97	63.40	RT	1
PB-36	ML 136+35	71.47	RT	1
PB-37	ML 136+40	60.37	LT	1
PB-38	ML 141+31	58.75	RT	1
PB-39	ML 142+72	59.52	RT	1
PB-40	ML 148+62	58.25	RT	1
PB-41	ML 148+65	60.69	LT	1
PB-42	ML 152+79	58.91	RT	1
PB-43	ML 154+18	59.92	RT	1
PB-44	ML 155+97	60.12	RT	1
PB-45	ML 155+97	59.97	LT	1
PB-46	ML 168+73	63.85	RT	1

PROPOSED PULL BOX SCHEDULE - CONTINUED ITEM 670.3001

PULL BOX NUMBER	STATION	OFFSET		NO. OF BOXES ITEM 670.3001
PB-47	ML 170+28	63.46	RT	1
PB-48	ML 172+02	98.46	RT	1
PB-49	ML 172+18	59.75	RT	1
PB-50	ML 173+03	62.43	RT	1
PB-51	ML 173+09	66.95	LT	1
PB-52	ML 175+44	59.43	RT	1
PB-53	ML 175+70	99.78	RT	1
PB-54	ML 177+39	63.61	RT	1
PB-55	ML 179+02	65.95	RT	1
PB-56	ML 182+50	74.93	RT	1
PB-57	ML 182+43	58.06	LT	1
PB-58	ML 186+61	61.65	RT	1
PB-59	ML 188+04	61.02	RT	1
PB-60	ML 190+96	63.35	RT	1
PB-61	ML 191+03	58.49	LT	1
PB-62	ML 200+89	57.55	LT	1
PB-63	ML 200+92	64.09	RT	1
PB-64	ML 202+84	62.29	RT	1
PB-65	ML 204+19	62.90	RT	1
PB-66	ML 206+39	100.71	RT	1
PB-67	ML 206+68	56.82	RT	1
PB-68	ML 211+25	60.32	RT	1
PB-69	ML 211+43	98.11	RT	1
PB-70	ML 212+83	94.66	LT	1
PB-71	ML 212+99	60.26	LT	1
PB-72	ML 216+57	76.58	RT	1
PB-73	ML 216+53	62.31	LT	1
PB-74	ML 218+18	59.65	LT	1
PB-75	ML 218+31	98.30	LT	1
			TOTAL	75

NOTE:

1. THIS PROJECT WAS DESIGNED USING A 187 WATT LED LUMINAIRE WITH TYPE 3 AND 4 IES DISTRIBUTIONS.

ITEM	DESCRIPTION	UNITS
670.0107	FOUNDATION FOR LIGHT STANDARDS, 7 FEET LONG	EA
670.1540	ALUMINUM LIGHT STANDARDS FOR SINGLE DAVIT ARM, 40 FEET MOUNTING HEIGHT	EA
670.1718	ALUMINUM DAVIT ARM, 18 FEET LONG	EA
670.1720	ALUMINUM DAVIT ARM, 20 FEET LONG	EA
670.19	BREAKAWAY TRANSFORMER BASE (ALUMINUM)	EA
670.3001	PULLBOXES LESS THAN 5 CUBIC FEET, INSIDE VOLUME (LIGHTING)	EA
670.5075-25	LUMINAIRE - LED TYPE - HIGHWAY	EA

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT
I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT
I-190 NIAGARA THRUWAY
MP 900.7 TO MP 904.2

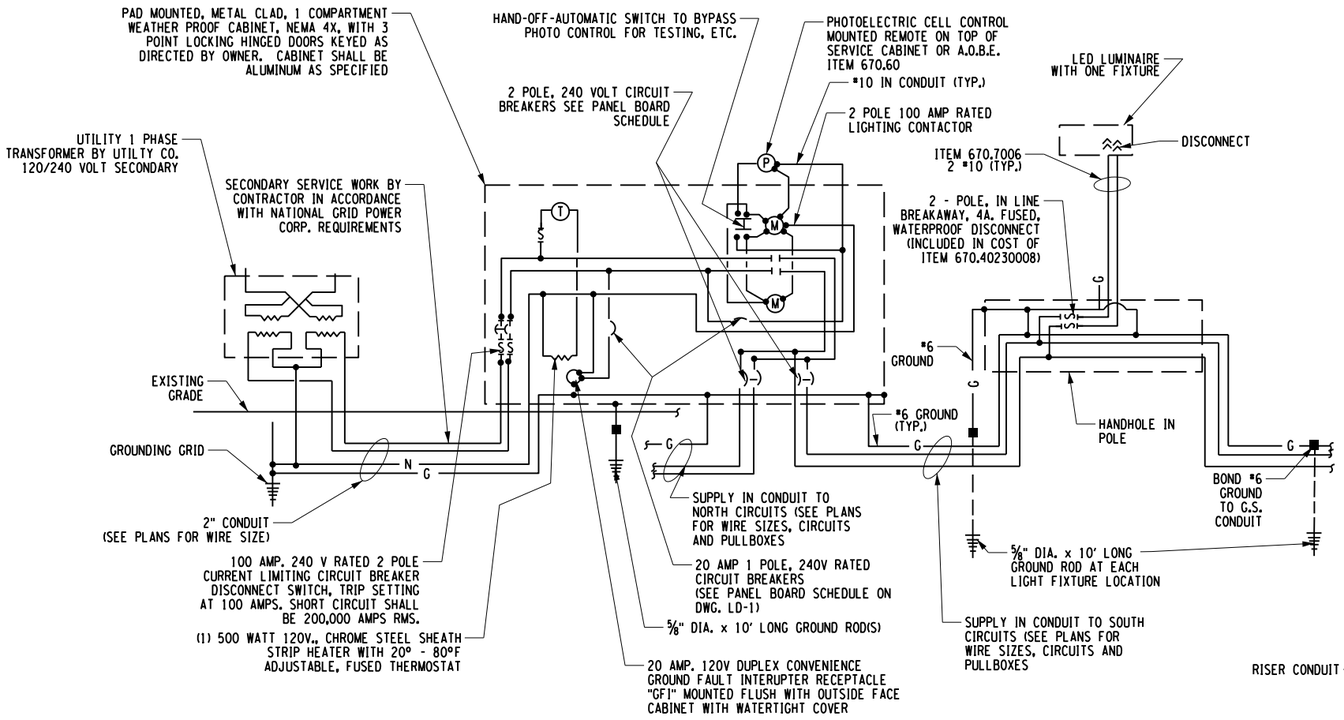
TITLE OF DRAWING
LIGHTING DETAILS

CONTRACT NUMBER: TAN 26-14

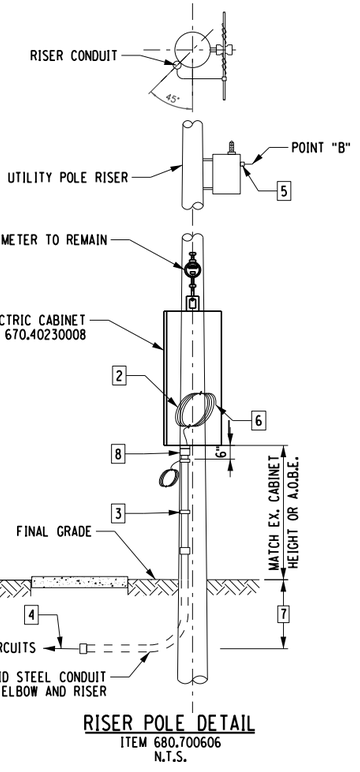
DATE: DEC. 2025

DRAWING NUMBER: LD-2

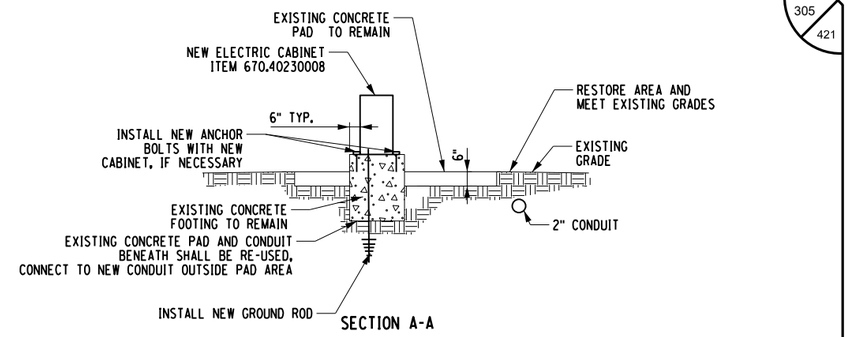
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



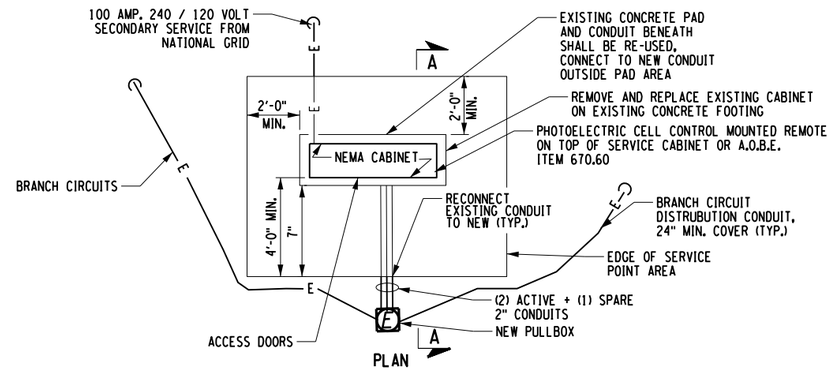
TYPICAL CIRCUIT BOARD SCHEMATIC
N.T.S.



RISER POLE DETAIL
ITEM 680.700606
N.T.S.



SECTION A-A



PLAN

TYPICAL DETAIL - ELECTRICAL SERVICE POINT
N.T.S.

CODED NOTES
1. UTILITY COMPANY'S SECONDARY RACK-POINT "A".
2. SERVICE LATERAL CABLE TO BE FURNISHED AND INSTALLED BY CUSTOMER. IT MUST BE LONG ENOUGH TO EXTEND 3 FT. (900 MM) ABOVE POINT "A" OR "B" WITHOUT A SPLICE.
3. PIPE STRAPS, INSTALL AT NOT MORE THAN 30" (750 MM) INTERVALS.
4. SERVICE LATERAL TO LIGHTING CIRCUITS.
5. UTILITY COMPANY'S TRANSFORMER SECONDARY TERMINALS -- POINT "B".
6. SEAL CABLE ENDS TO PREVENT ENTRANCE OF MOISTURE DURING CONSTRUCTION.
7. THE BURIAL DEPTH SHALL BE 30" MINIMUM.
8. INSULATING BUSHING

NOTES:
1. GROUND MOUNTED POLES NOT SHOWN.
2. ALL WIRE SHALL BE "THWN" INSULATED AND SHALL BE IN RIGID PLASTIC 2" CONDUIT EXCEPT ABOVE GRADE WIRE SHALL BE IN GALVANIZED STEEL PLASTIC COATED 2" CONDUIT.
3. SPLICING SHALL BE DONE IN THE PULLBOX. NO SEPARATE FUSING WILL BE REQUIRED. SEE PLANS AND PULLBOX SCHEDULE ON DWG. LD-2.
4. ATTACH CONDUIT TO PIER AND ABUTMENT WITH GALV. STEEL 2 HOLE HEAVY DUTY CLAMPS 3'-0" O.C. SECURE CLAMPS TO STRUCTURE USING CONCRETE EXPANSION ANCHORS MEETING THE REQUIREMENTS OF N.Y.S.D.O.T. STANDARD SPECIFICATION 567-2.01. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
5. PULLBOXES SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SHEETS 680-02 AND 680-04. PULLBOX COVERS SHALL HAVE THE WORDS "NYSTA LIGHTING" CAST INTO COVERS.
6. COST TO CONNECT THE PROPOSED CIRCUIT TO THE PROPOSED POWER/SERVICE CABINET AND ANY ASSOCIATED WORK NOT IDENTIFIED WITH OTHER ITEMS SHALL BE PAID FOR UNDER ITEM 670.40230008.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

New York State Thruway Authority

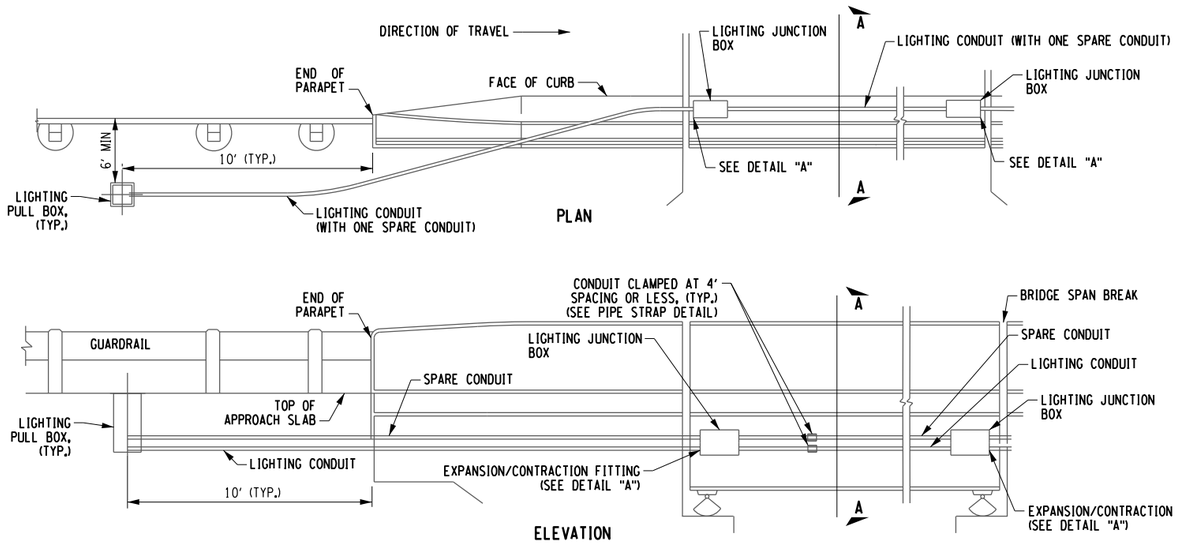
Drawing Copyright © 2025

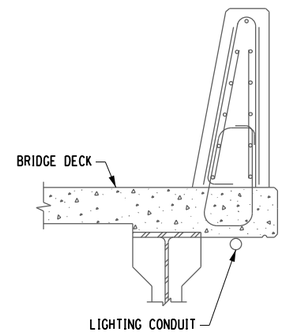
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LD-3

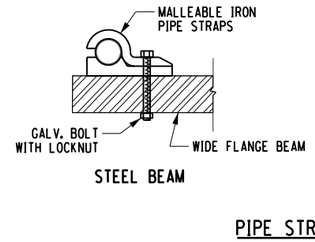
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN

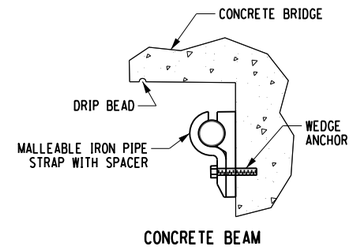
CHECKED BY: J KLEINMANN
DRAFTED BY: T HANSEN
DESIGNED BY: T ANDREWS
DESIGN SUPERVISOR: D MARSH



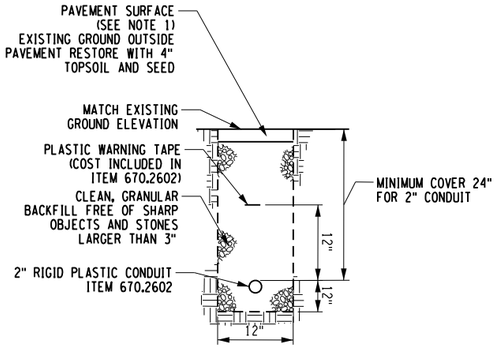


CONDUIT PLACEMENT
N.T.S.



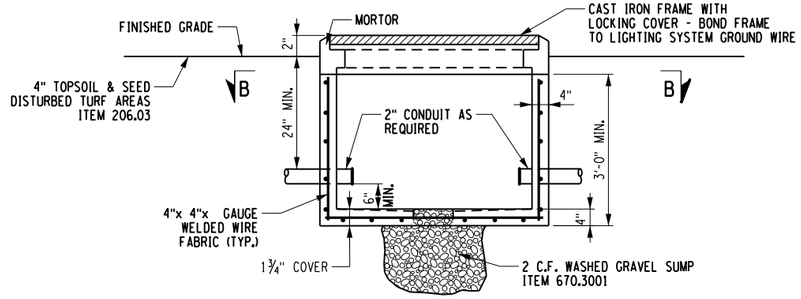


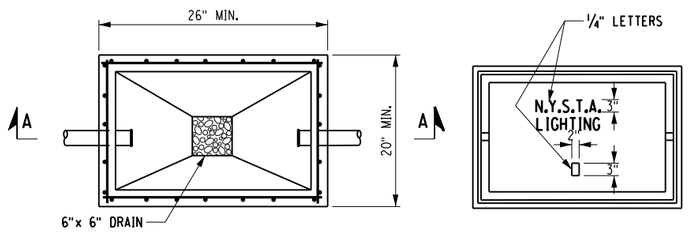
PIPE STRAP DETAIL
N.T.S.



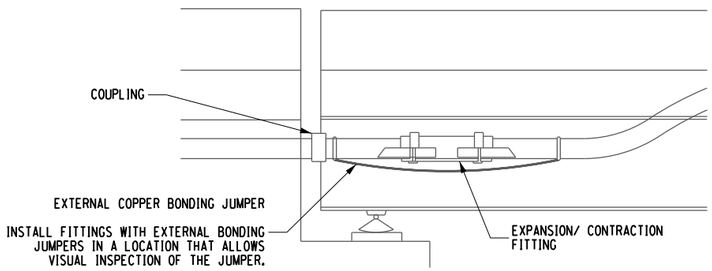
NOTE:
1. WHEN LIGHTING CONDUIT IS INSTALLED USING TRENCHLESS METHODS BENEATH ROADWAY PAVEMENTS, CONDUIT SHALL BE GALVANIZED STEEL PLASTIC COATED CONDUIT, ITEM 670.2306.

TYPICAL CONDUIT EXCAVATION DETAIL
ITEM 206.03
N.T.S.





TYPICAL PULLBOX DETAIL
ITEM 670.3001
N.T.S.



DETAIL "A"

CONDUIT EXPANSION/CONTRACTION FITTING

EXPANSION/ CONTRACTION FITTINGS FOR CONDUIT ON STRUCTURE SHALL BE TYPE OZ AXDX OR CROUSE HINDS XJGD. EACH FITTING SHALL HAVE AN EXTERNAL BONDING JUMPER.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

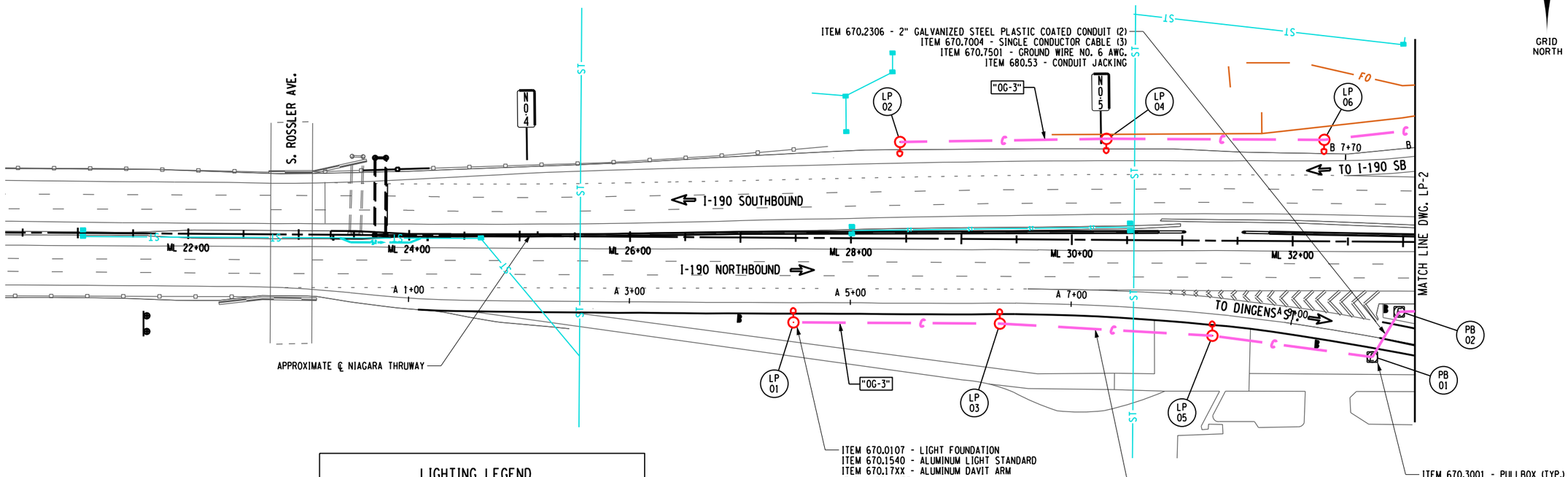
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyrighted © 2025
CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: LIGHTING DETAILS	DRAWING NUMBER: LD-4

GRID NORTH



LIGHTING LEGEND

- EXISTING SERVICE UTILTY POLE FEED
- EXISTING LIGHT POLE
- EXISTING BELOW DECK LIGHT
- EXISTING FLUSH MEDIAN PULLBOX
- EXISTING GROUND PULLBOX
- EXISTING SERVICE PANEL
- E — EXISTING UNDERGROUND LIGHTING CONDUIT
- LP-XX — PROPOSED LIGHT POLE NUMBER
- PB-XX — PROPOSED PULLBOX NUMBER (SEE DWG. LD-2 FOR APPROXIMATE LOCATION)
- PROPOSED NEW ALUMINUM LIGHT STANDARD
- PROPOSED FLUSH-MOUNTED MEDIAN PULLBOX REHABILITATION WORK
- PROPOSED GROUND PULLBOX ITEM 670.3001
- "XX-X" — PROPOSED CURCUIT NUMBER
- C — PROPOSED 2" RIGID PLASTIC CONDUITS (TRENCHED) (1 PRIMARY CONDUIT WITH 1 SPARE CONDUIT) ITEM 670.2602 UNLESS OTHERWISE NOTED
- E — PROPOSED CONDUITS AND WIRE CABLES ACROSS BRIDGES AND VIADUCTS (1 PRIMARY CONDUIT WITH 1 SPARE CONDUIT)

NOTES:
1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
QUALITY CONTROL BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

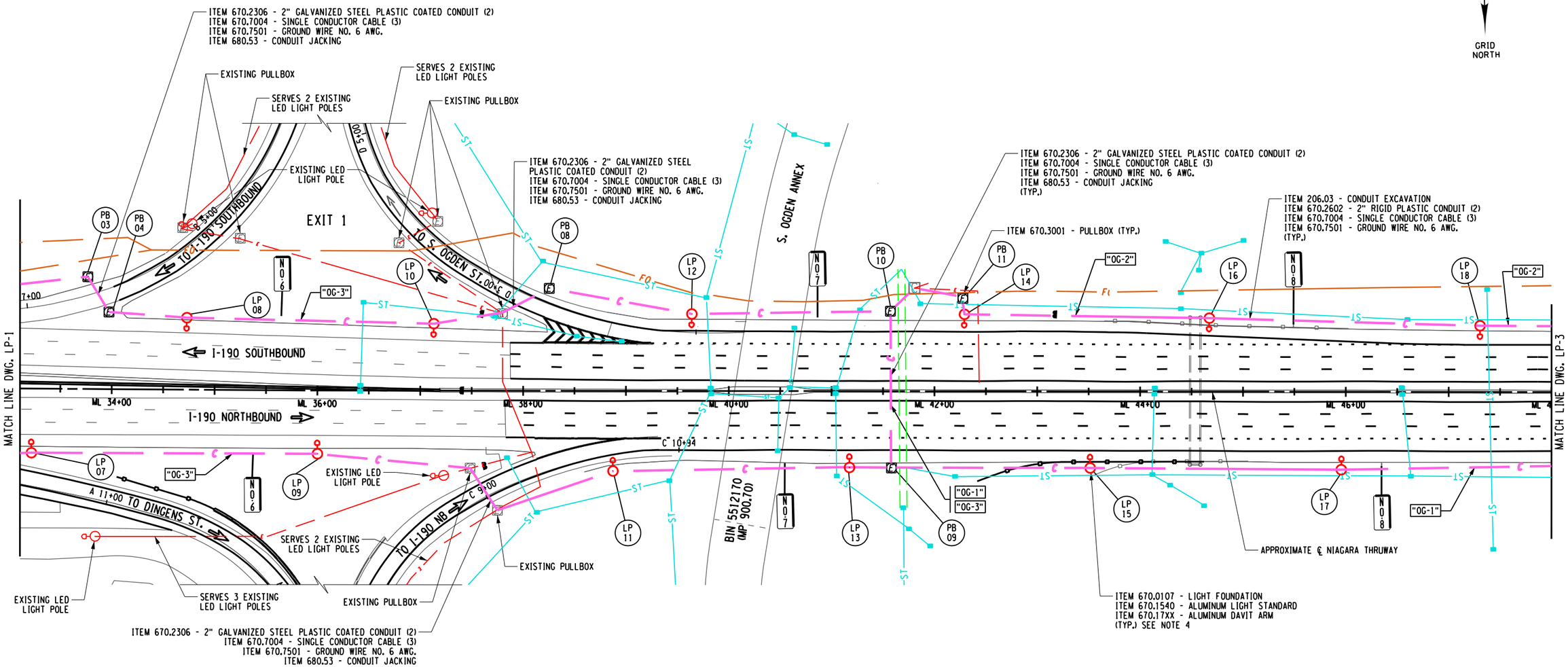
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-1

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

GRID NORTH



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

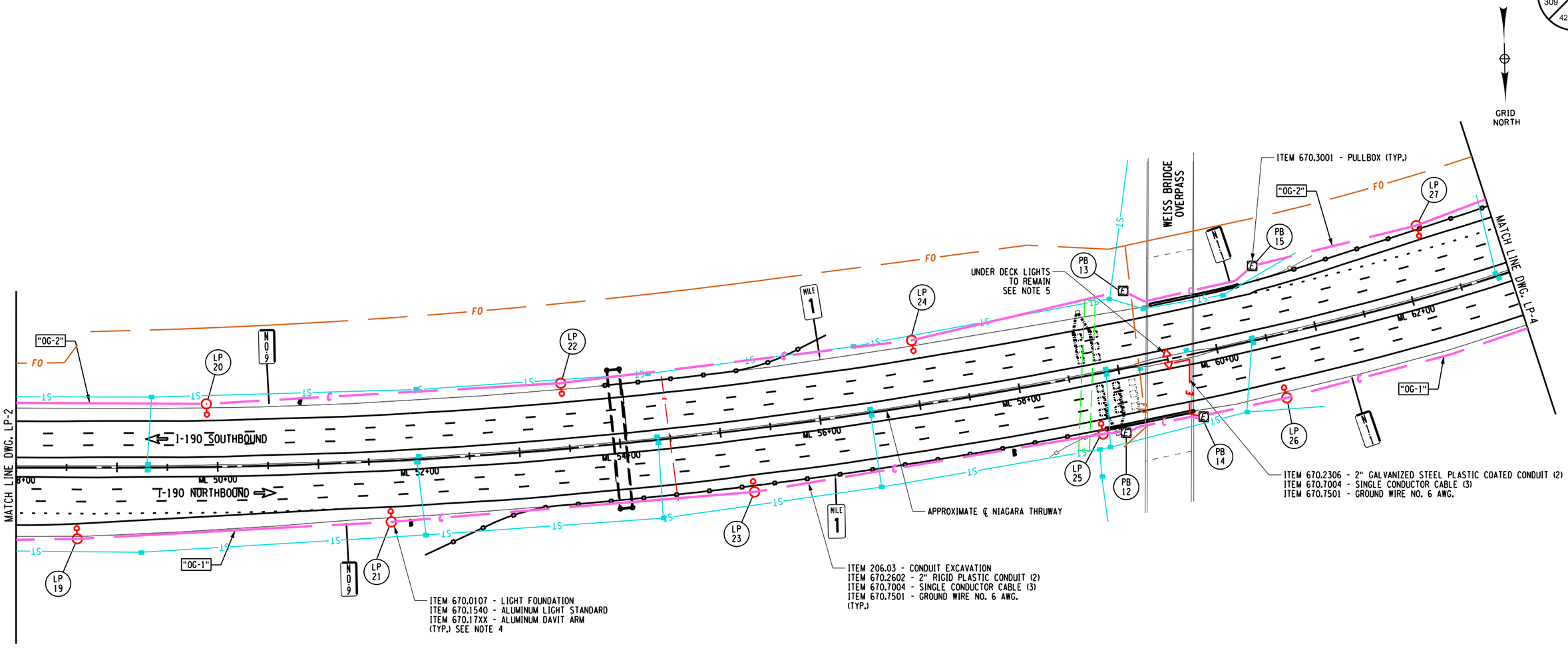
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-2

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.
5. THE EXISTING UNDERPASS LUMINAIRES ON THE WEISS BRIDGE OVERPASS SHALL BE CONNECTED TO THE "OG" CIRCUIT AS SHOWN ON THE PLANS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

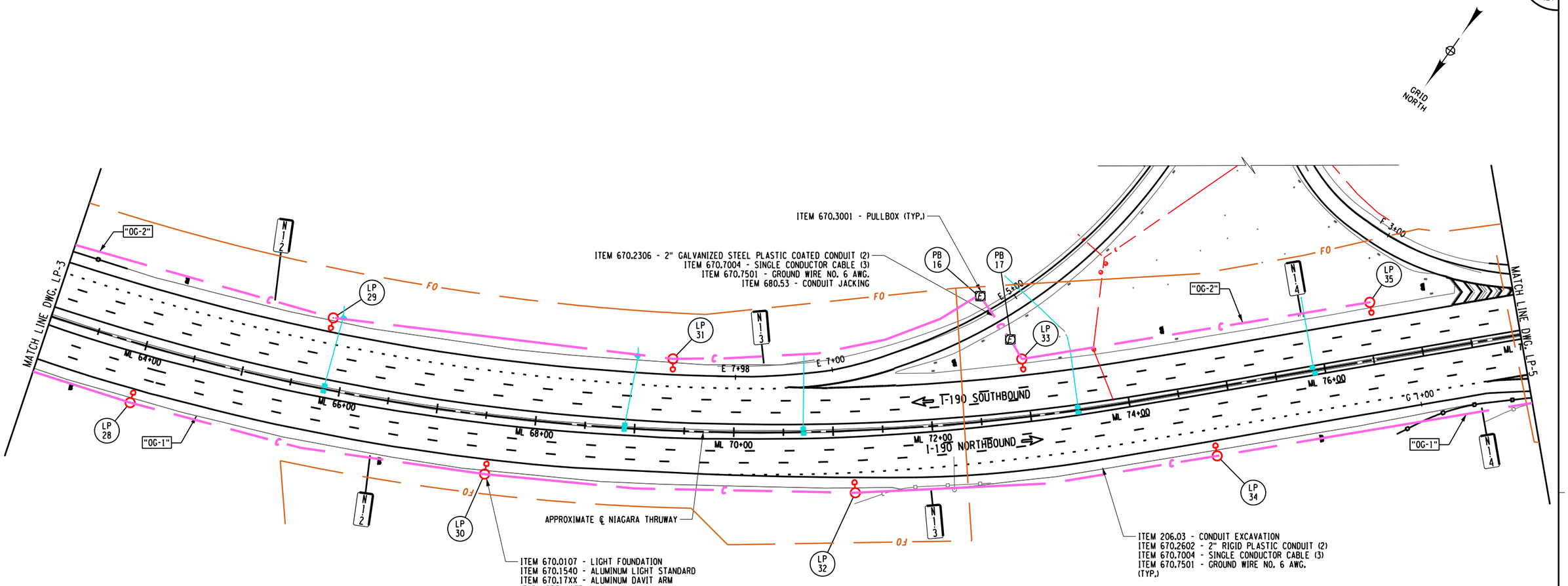
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacfirm.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-3

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



NOTES:
1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

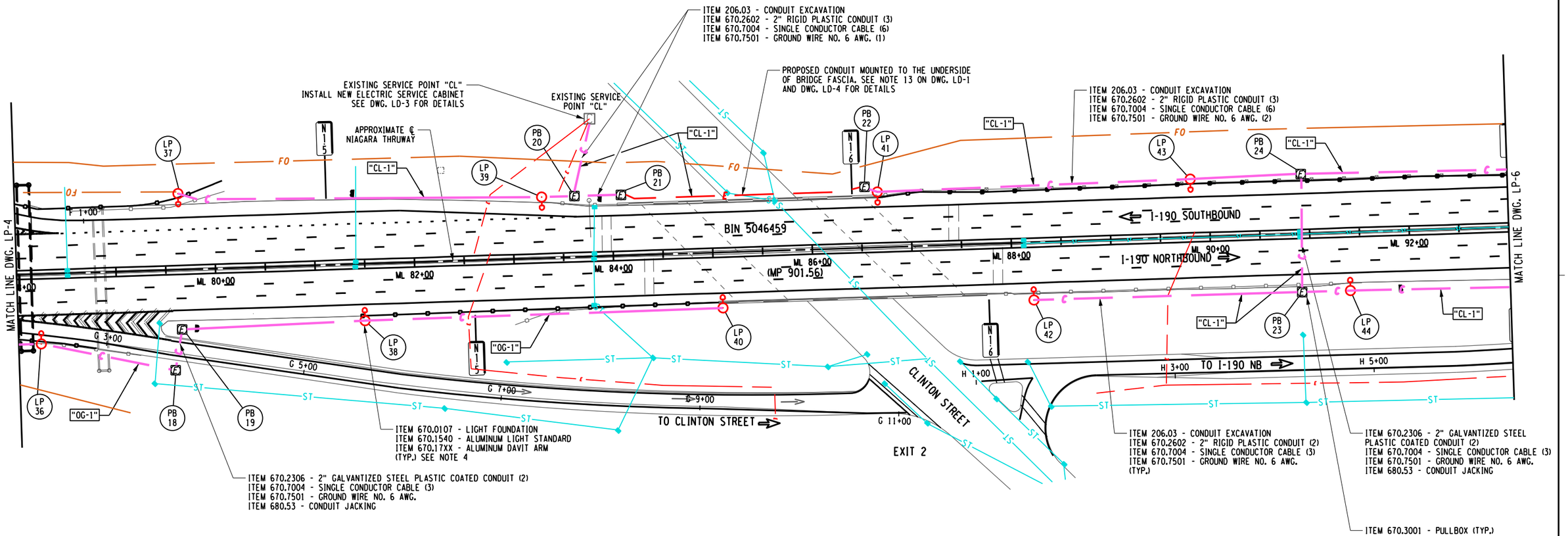
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-4

CHECKED BY: J KLEINMANN
DRAFTED BY: T HANSEN
DESIGNED BY: T ANDREWS
DESIGN SUPERVISOR: D MARSH

GRID NORTH



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

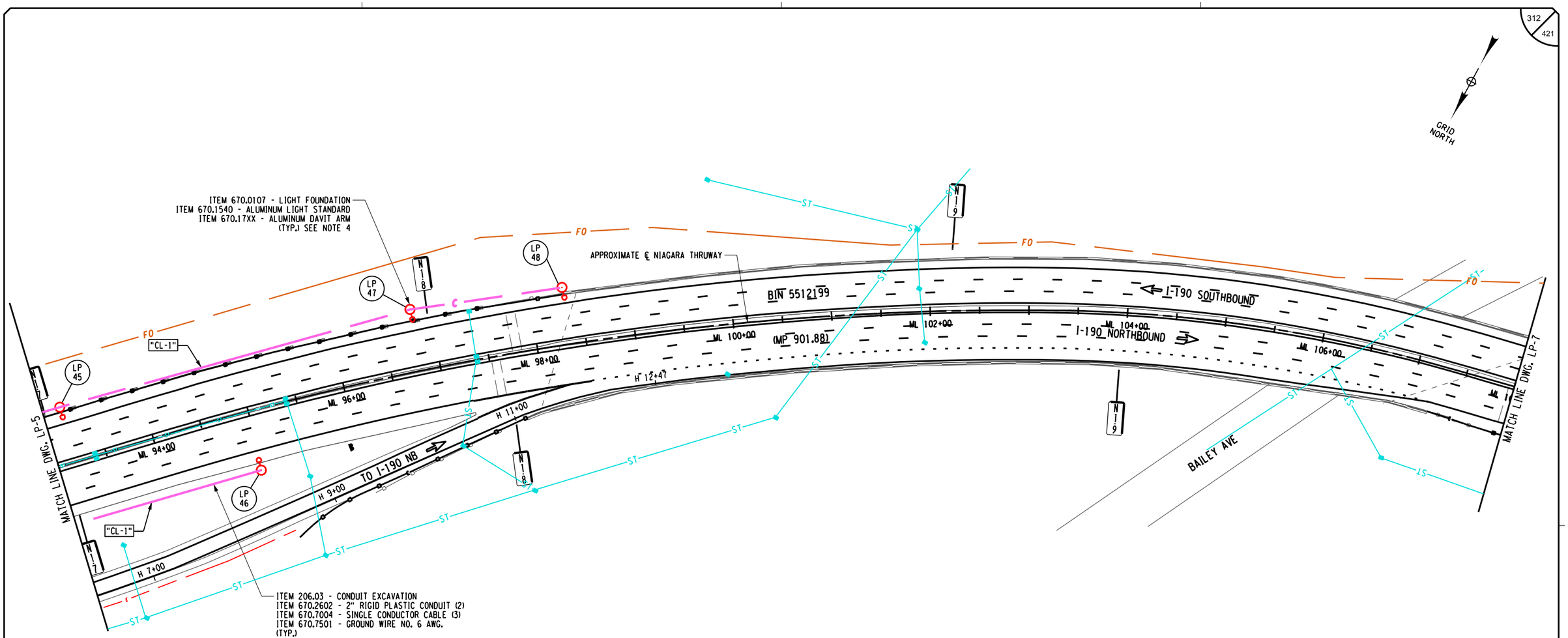
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.1550 · www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: LIGHTING PLANS	DRAWING NUMBER: LP-5

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

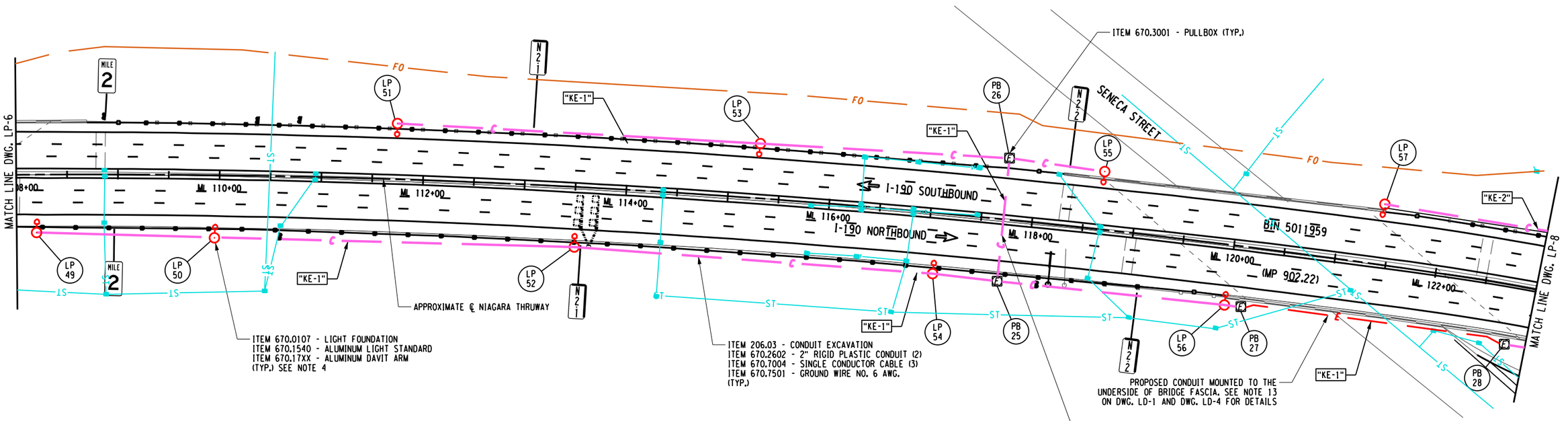
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3450 · www.chacobleams.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-6

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
J KLEINMANN

GRID NORTH



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

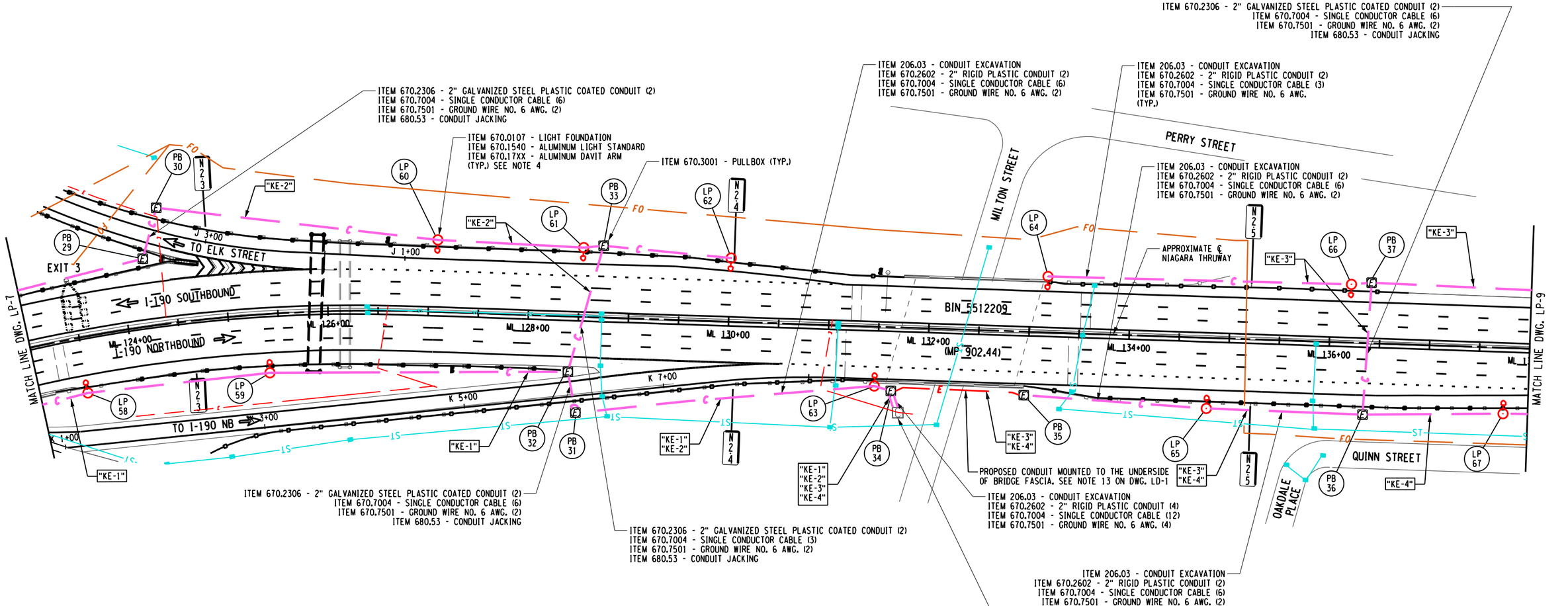
Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: LIGHTING PLANS	DRAWING NUMBER: LP-7

CHECKED BY: J KLEINMANN
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGNED BY: T ANDREWS
DESIGN SUPERVISOR: D MARSH

GRID NORTH



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.2500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-8

CHECKED BY: J KLEINMANN
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGNED BY: T ANDREWS
DESIGN SUPERVISOR: D MARSH

GRID NORTH

MATCH LINE DWG. LP-8

MATCH LINE DWG. LP-10

"KE-3"

"KE-4"

"KE-4"

"KE-4"

"KE-4"

LP 68

LP 69

LP 70

LP 71

LP 72

LP 73

LP 74

LP 75

LP 76

PB 38

PB 39

PB 40

PB 41

PB 42

N 26

N 27

N 27

N 27

N 28

N 28

BIN 5512219

(MP 902.63)

I-190 SOUTHBOUND

I-190 NORTHBOUND

PERRY STREET

QUINN STREET

BABCOCK STREET

ML 140+00

ML 142+00

ML 144+00

ML 146+00

ML 148+00

ML 150+00

ML 152+00

ITEM 206.03 - CONDUIT EXCAVATION
ITEM 670.2602 - 2" RIGID PLASTIC CONDUIT (2)
ITEM 670.7004 - SINGLE CONDUCTOR CABLE (3)
ITEM 670.7501 - GROUND WIRE NO. 6 AWG.
(TYP.)

APPROXIMATE ℄ NIAGARA THRUWAY

ITEM 670.3001 - PULLBOX (TYP.)

PROPOSED CONDUIT MOUNTED TO THE UNDERSIDE OF BRIDGE FASCIA. SEE NOTE 13 ON DWG. LD-1

ITEM 670.0107 - LIGHT FOUNDATION
ITEM 670.1540 - ALUMINUM LIGHT STANDARD
ITEM 670.17XX - ALUMINUM DAVIT ARM
(TYP.) SEE NOTE 4

ITEM 670.2306 - 2" GALVANIZED STEEL PLASTIC COATED CONDUIT (2)
ITEM 670.7004 - SINGLE CONDUCTOR CABLE (3)
ITEM 670.7501 - GROUND WIRE NO. 6 AWG.
ITEM 680.53 - CONDUIT JACKING

NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

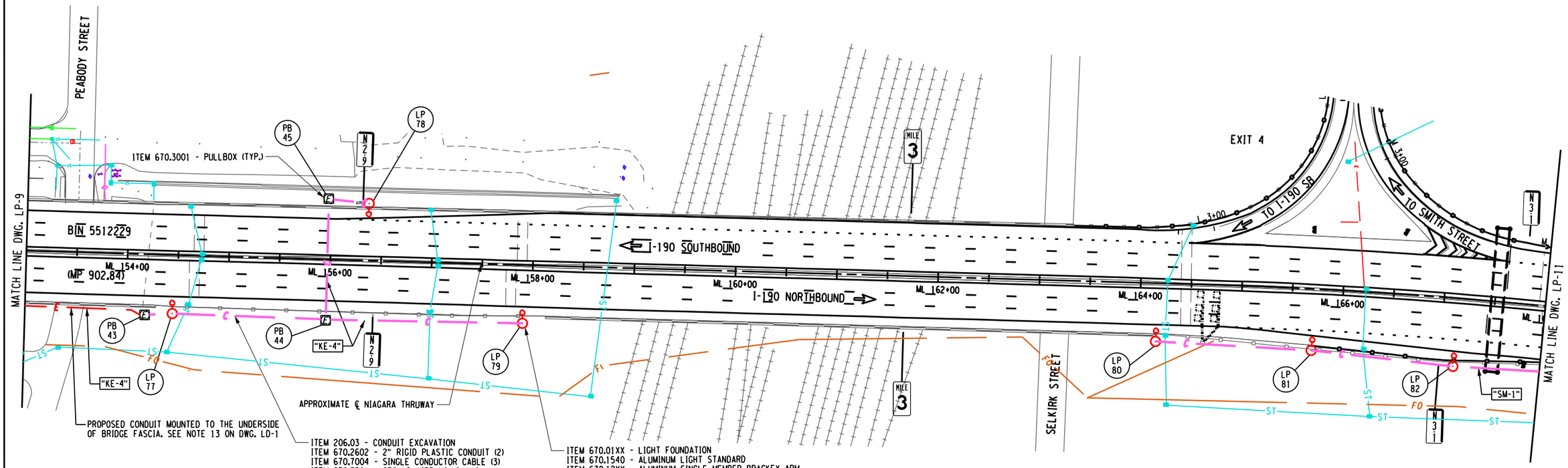
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-9

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

GRID NORTH



NOTES:
1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER EXCELSIOR 092577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: LIGHTING PLANS	DRAWING NUMBER: LP-10

CHECKED BY: J KLEINMANN
DRAFTED BY: T HANSEN
DESIGNED BY: T ANDREWS
DESIGN SUPERVISOR: D MARSH

GRID NORTH

ITEM 670.2306 - 2" GALVANIZED STEEL PLASTIC COATED CONDUIT (2)
ITEM 670.7004 - SINGLE CONDUCTOR CABLE (3)
ITEM 670.7501 - GROUND WIRE NO. 6 AWG.
ITEM 680.53 - CONDUIT JACKING

SMITH STREET

MATCH LINE DWG. LP-10

ML 168+00
ML 170+00
ML 172+00
ML 174+00
ML 176+00
ML 178+00
(MP 903.32)
ML 180+00
ML 182+00

N 1+00

LP 83, LP 84, LP 85, LP 86, LP 87, LP 88, LP 89, LP 90, LP 91, LP 92
PB 46, PB 47, PB 48, PB 49, PB 50, PB 51, PB 52, PB 53, PB 54, PB 55, PB 56, PB 57
N 3 2, N 3 3, N 3 4

"SM-1"
"SM-2"

ITEM 670.3001 - PULLBOX (TYP.)

ITEM 670.0107 - LIGHT FOUNDATION
ITEM 670.1540 - ALUMINUM LIGHT STANDARD
ITEM 670.17XX- ALUMINUM DAVIT ARM
(TYP.) SEE NOTE 4

ITEM 206.03 - CONDUIT EXCAVATION
ITEM 670.2602 - 2" RIGID PLASTIC CONDUIT (2)
ITEM 670.7004 - SINGLE CONDUCTOR CABLE (3)
ITEM 670.7501 - GROUND WIRE NO. 6 AWG.
(TYP.)

BIN 5512259

I-190 SOUTHBOUND
I-190 NORTHBOUND

EXIT 4

N 3+00 SMITH ST

TO I-190 NB

0 5+00
0 6+05
0 3+00

ST
FO
E
C

PROPOSED CONDUIT MOUNTED TO UNDERSIDE OF BRIDGE FASCIA. SEE NOTE 13 ON DWG. LD-1

PROPOSED CONDUIT MOUNTED TO UNDERSIDE OF BRIDGE FASCIA. SEE NOTE 13 ON DWG. LD-1

APPROXIMATE ℄ NIAGARA THRUWAY

ITEM 670.7004 - SINGLE CONDUCTOR CABLE (6)
ITEM 670.7501 - GROUND WIRE NO. 6 AWG.(2)

EXISTING SERVICE POINT "SM"
INSTALL NEW ELECTRIC SERVICE CABINET
SEE DWG. LD-3 FOR DETAILS

ITEM 670.2306 - 2" GALVANIZED STEEL PLASTIC COATED CONDUIT (2)
ITEM 670.7004 - SINGLE CONDUCTOR CABLE (3)
ITEM 670.7501 - GROUND WIRE NO. 6 AWG.
ITEM 680.53 - CONDUIT JACKING

MATCH LINE DWG. LP-12

NOTES:
1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

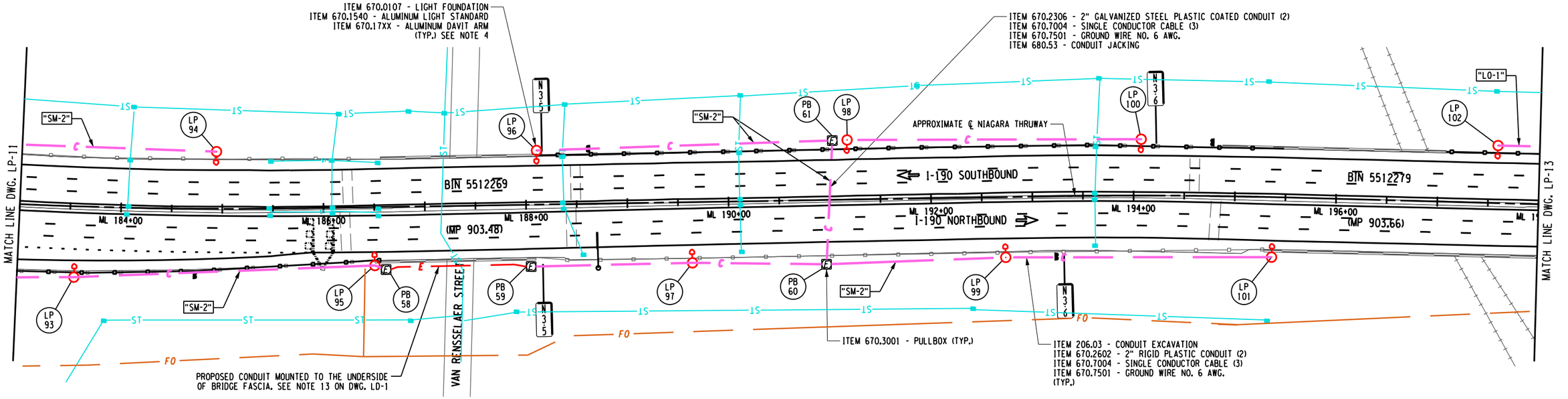
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: LIGHTING PLANS	DRAWING NUMBER: LP-11

GRID NORTH



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

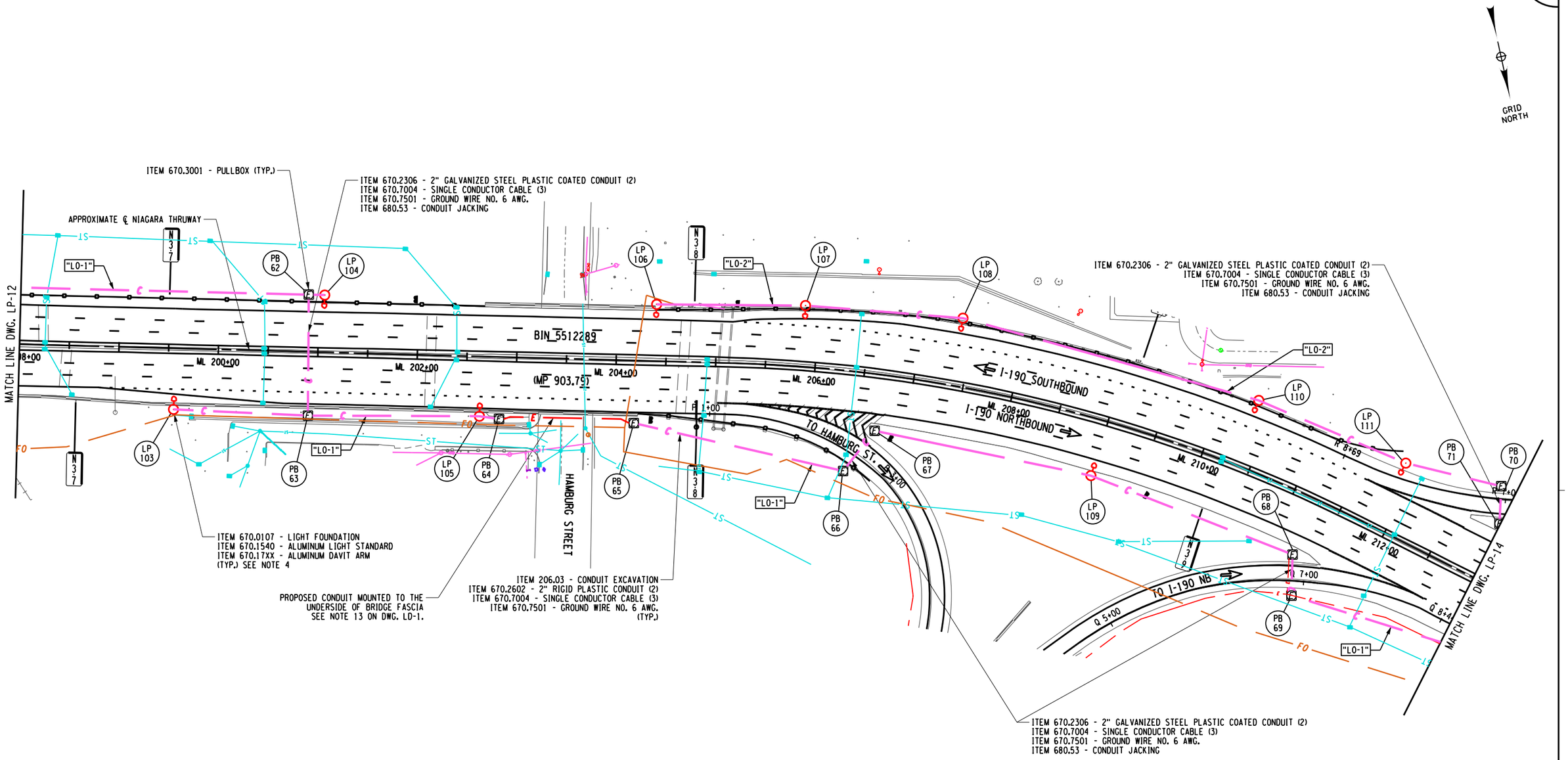
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-12

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



NOTES:
1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

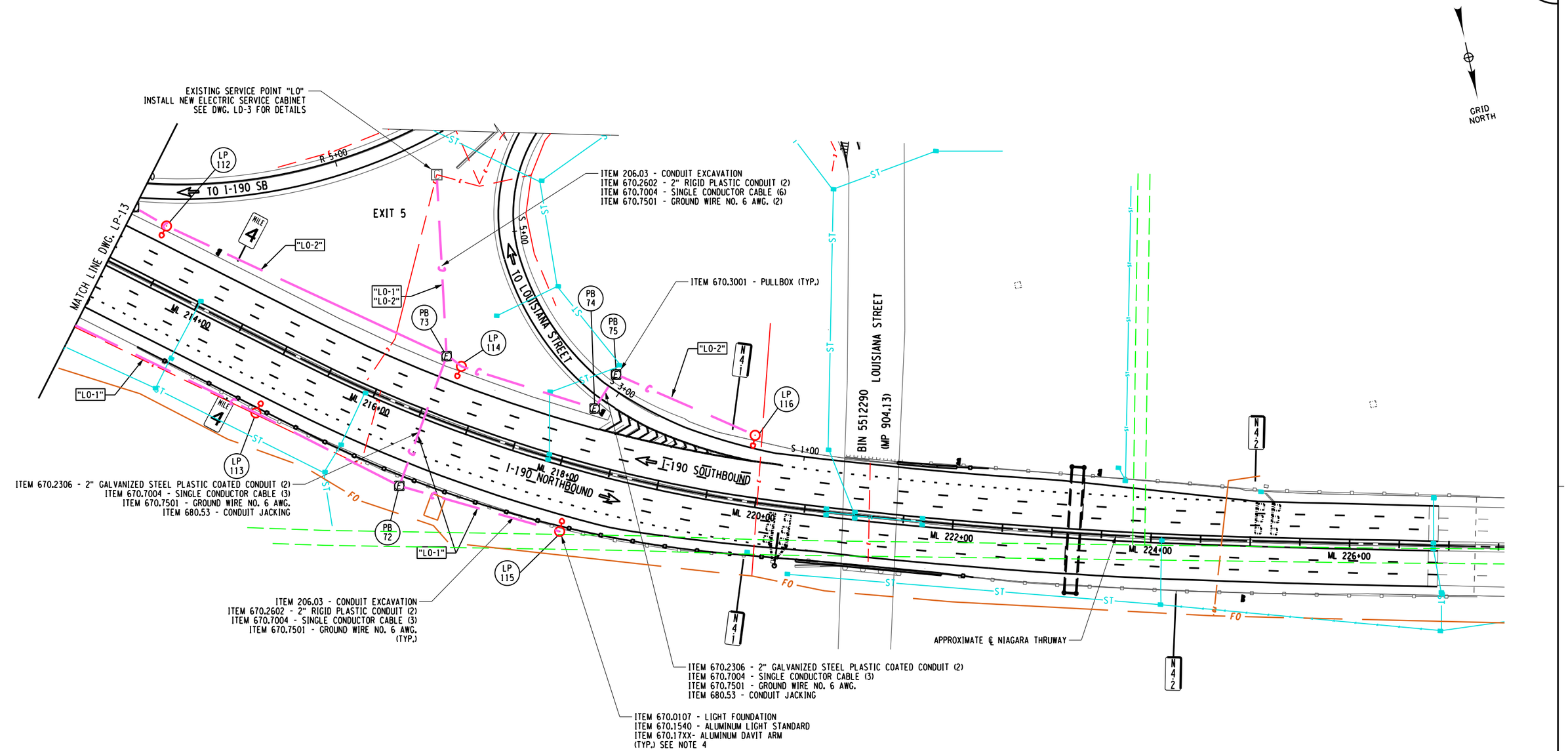
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-13

DESIGNED BY: T ANDREWS
DRAFTED BY: T HANSEN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



NOTES:

1. SEE ADDITIONAL GENERAL LIGHTING NOTES ON DWG. LD-1.
2. ALL CONDUIT CROSSING BENEATH RAMPS AND MAINLINE SHALL BE PLACED BY TRENCHLESS METHODS (ITEM 680.53). (OPEN CUTTING WILL NOT BE ALLOWED) AND ALL ROADWAY PAVEMENT CROSSINGS SHALL CONSIST OF 2" GALVANIZED STEEL (PLASTIC COATED CONDUIT (ITEM 670.2306).
3. THE CONTRACTOR SHALL INTERCEPT THE PROPOSED CONDUITS WITH THE EXISTING CONDUITS OR PULL BOXES AT THE EXISTING SERVICE POINT. UNUSED EXISTING CONDUIT AND CABLING LEADING AWAY FROM THE SERVICE POINT SHALL BE REMOVED. THE COST OF THE INTERCEPT SHALL BE INCLUDED IN THE COST OF THE CONDUIT, 670.2602.
4. SEE LD-2 FOR POLE LOCATIONS AND ITEM NUMBERS.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

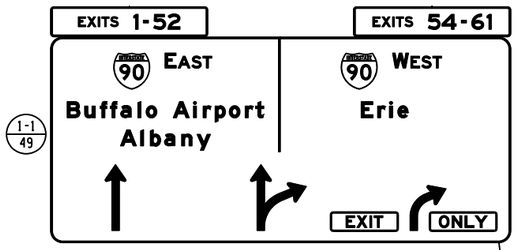
NEW YORK STATE Thruway Authority

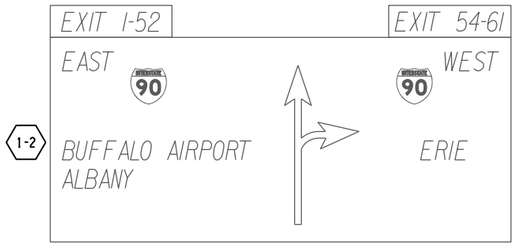
Drawing Copyright © 2025

CHA
50 Columbia Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacbuffalo.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	LIGHTING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	LP-14

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH





GRID NORTH

REMOVE EXISTING OVERHEAD SIGN STRUCTURE (S 900.38)
ITEM 647.21
REPLACE JUST EAST OF THE EXISTING SIGN STRUCTURE.
SEE SDS-6 FOR SIGN PANEL LAYOUT, AND OSP-01 AND OSP-02 FOR SIGN STRUCTURE DETAILS.

BIN 5512170
(MP 900.38)

N 0 4

FH-S7/ON-X-1

N 0 5

1-6
2

1-7
2

FO

B 7+70
TO I-190 SB

I-190 SOUTHBOUND

ML 22+00
ML 24+00
ML 26+00
ML 28+00
ML 30+00
ML 32+00

I-190 NORTHBOUND

A 1+00
A 3+00
A 5+00
A 7+00
TO DINGENS ST. A 9+00

MATCH LINE DWG. SSP-2

S. ROSSLER AVE.

EXIT 1
S Ogden St
Dingens St
1-2
28

EXISTING VMS BOARD TO REMAIN
(MP 900.37)

EXIT 1
S OGDEN ST
DINGENS ST
1-1

APPROXIMATE ℄ NIAGARA THRUWAY

1-5
19
EXIT
40
MPH

RAMP
20
MPH
1-4
27
1-4

EXIT
1
1-3
22

1-3
EXIT
1

MATCH EXISTING PAVEMENT STRIPES
STA. A 9+81±

SIGN LEGENDS

X/Y	NEW SIGN		EXISTING SIGN
			EXISTING GUIDE SIGN
X	SIGN TO BE REMOVED		SINGLE POST PROPOSED SIGN
X	SIGN TO BE RELOCATED		SINGLE POST BACK TO BACK PROPOSED SIGN
X	SIGN TO BE REMAIN		DOUBLE POST PROPOSED SIGN
			PROPOSED GUIDE SIGN
X	LOCATION NUMBER		
Y	TEXT NUMBER		

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

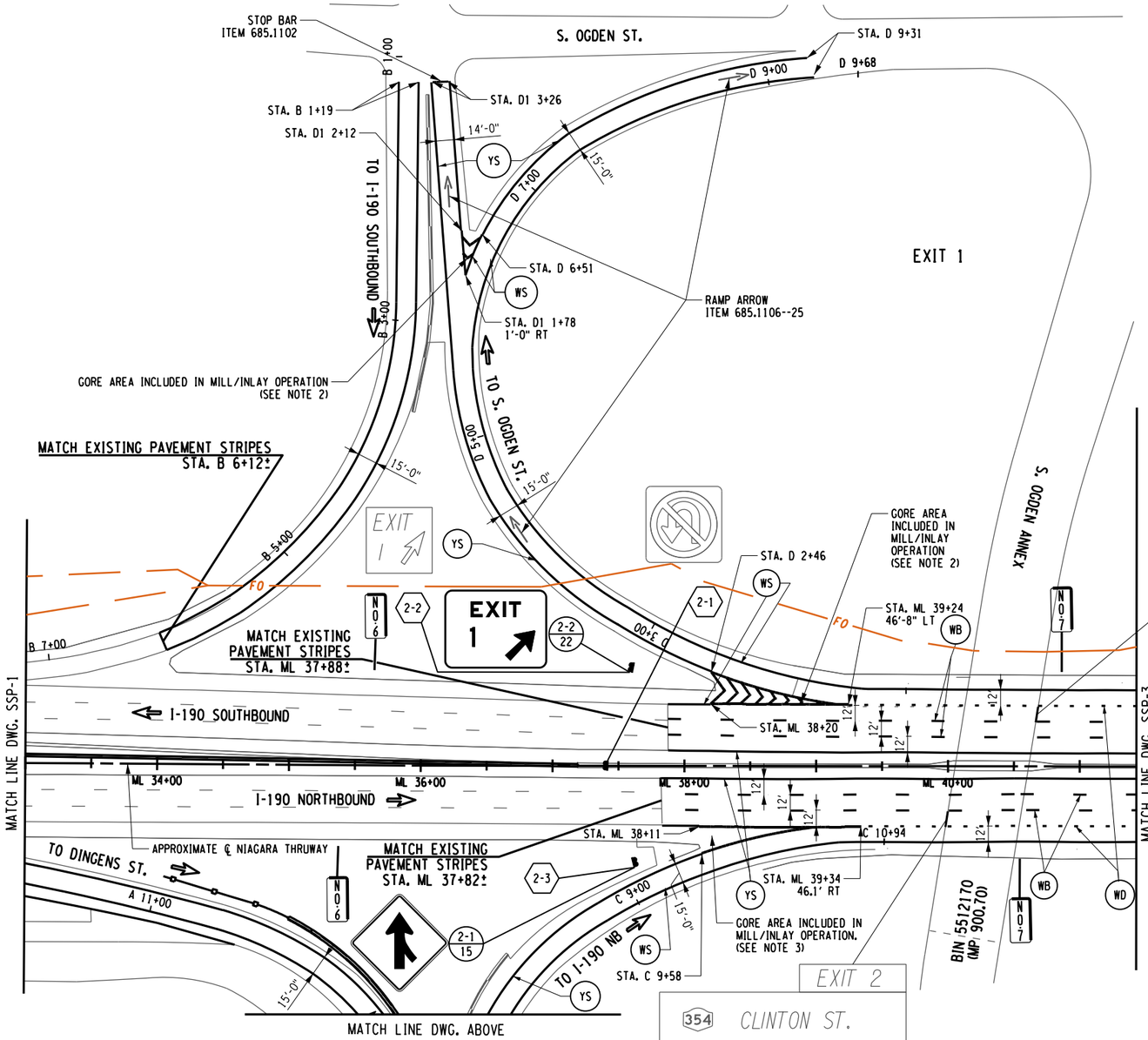
DATE	DESCRIPTION	BY	SYM.

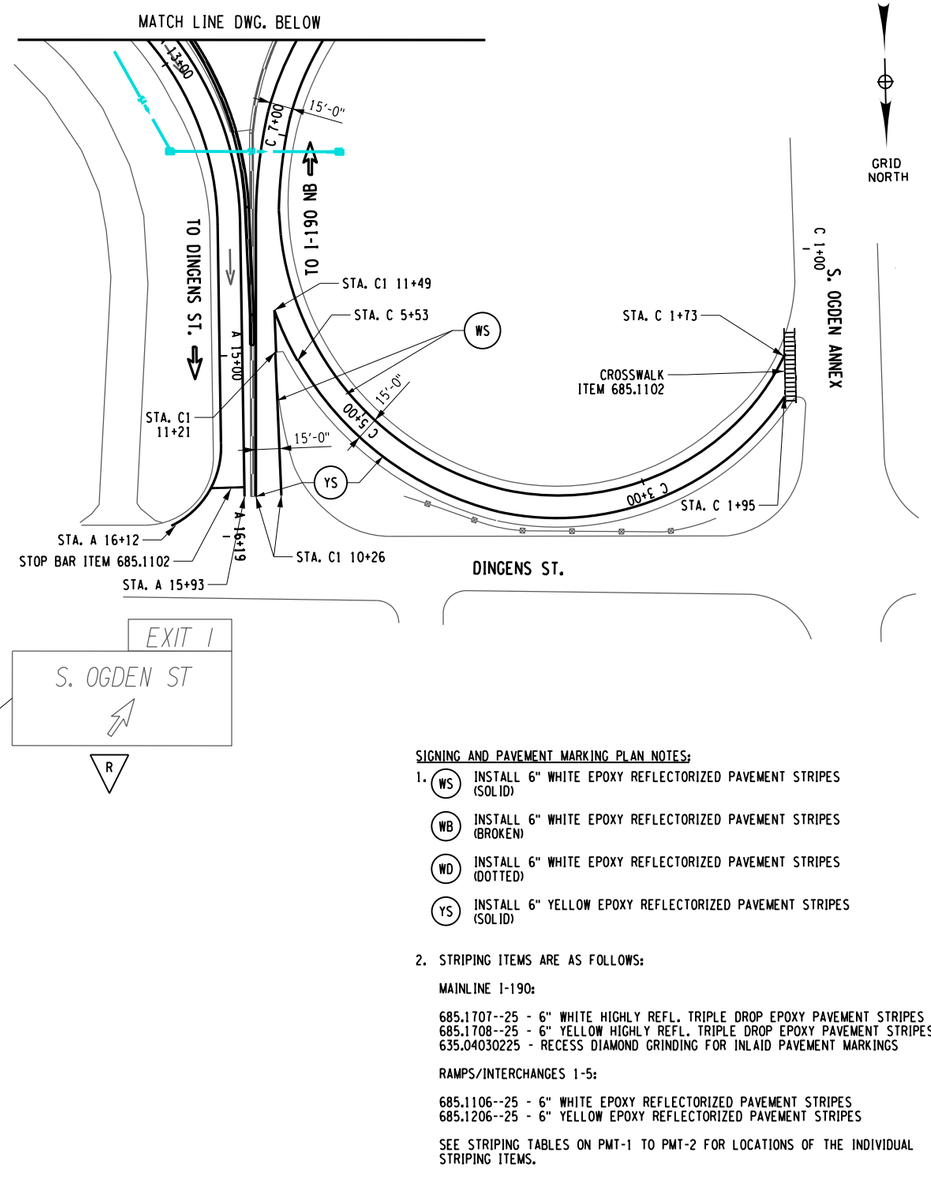
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-1

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN





SIGNING AND PAVEMENT MARKING PLAN NOTES:

1. (WS) INSTALL 6" WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES (SOLID)
   (WB) INSTALL 6" WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES (BROKEN)
   (WD) INSTALL 6" WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES (DOTTED)
   (YS) INSTALL 6" YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES (SOLID)
2. STRIPING ITEMS ARE AS FOLLOWS:

   MAINLINE I-190:

   685.1707--25 - 6" WHITE HIGHLY REFL. TRIPLE DROP EPOXY PAVEMENT STRIPES
   685.1708--25 - 6" YELLOW HIGHLY REFL. TRIPLE DROP EPOXY PAVEMENT STRIPES
   635.04030225 - RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS

   RAMPS/INTERCHANGES 1-5:

   685.1106--25 - 6" WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES
   685.1206--25 - 6" YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES

   SEE STRIPING TABLES ON PMT-1 TO PMT-2 FOR LOCATIONS OF THE INDIVIDUAL STRIPING ITEMS.

NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND.
2. INSTALL 2' WIDE CHEVRON MARKINGS IN GORE AREA IN ACCORDANCE WITH NYSTA STANDARD SHEETS TA 685-01 & 685-02.
3. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED EXCELSIOR 092577 PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

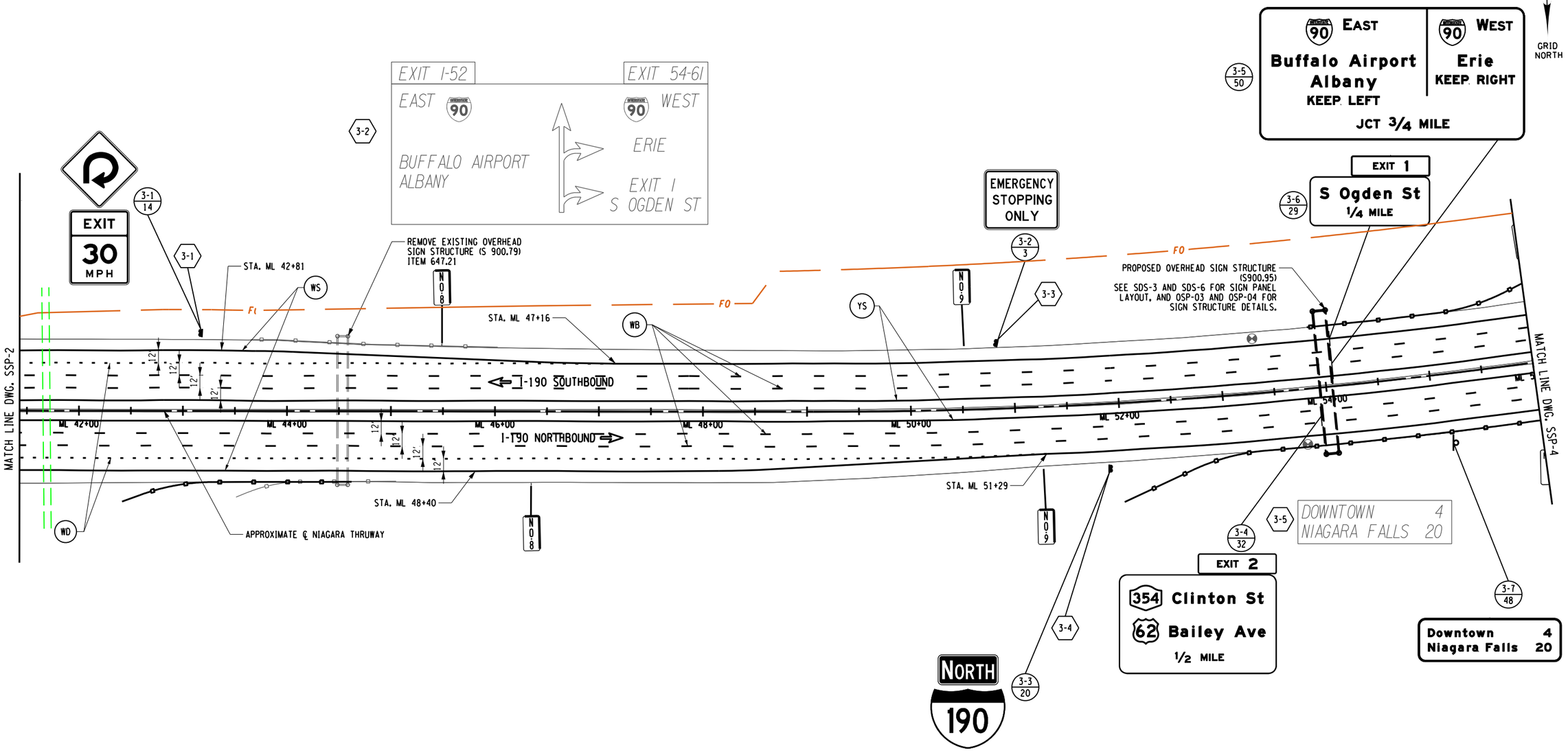
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-2

GRID NORTH



NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.

0 50 100 FEET
SCALE 1" = 100'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

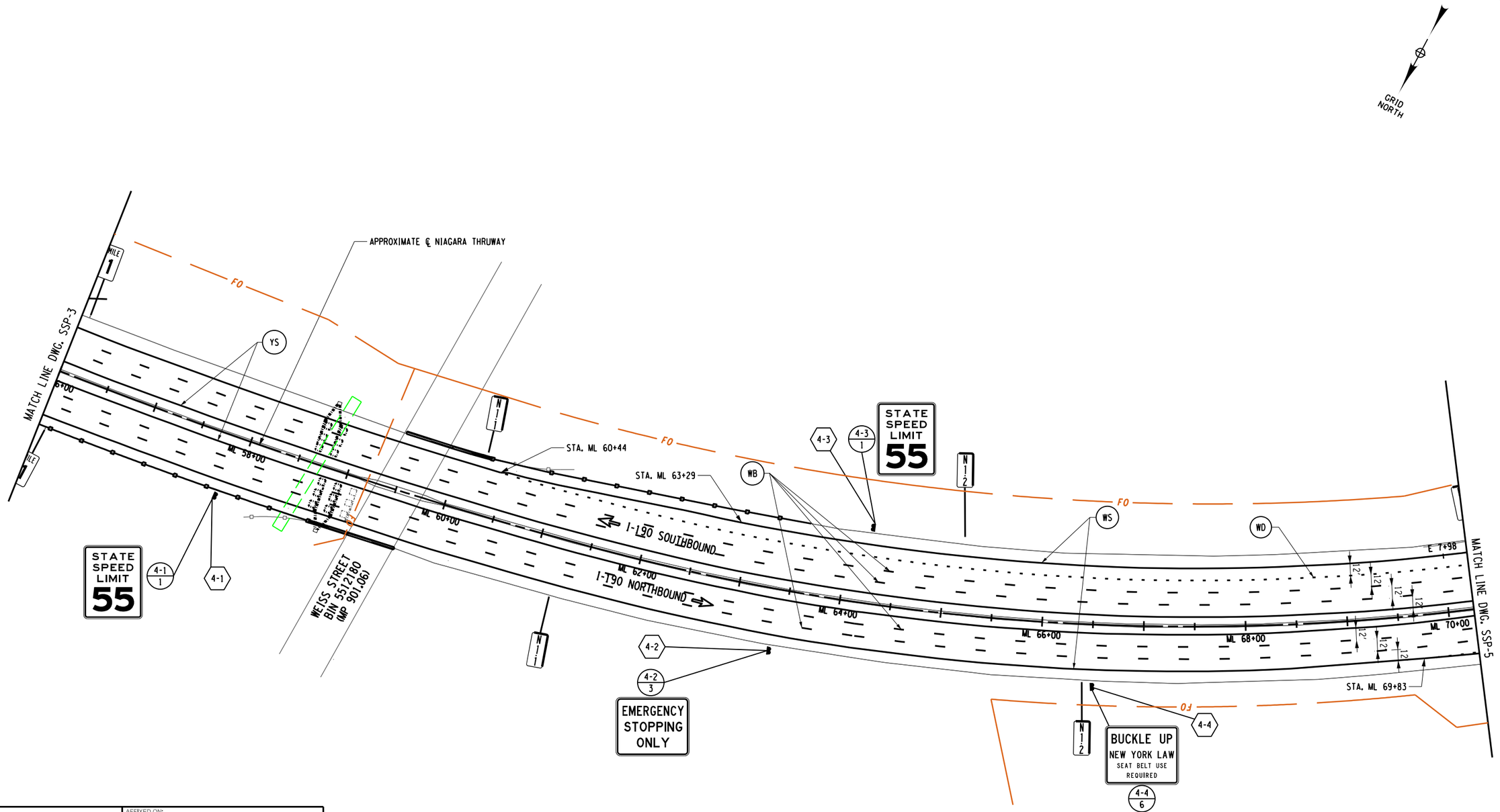
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-3



DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

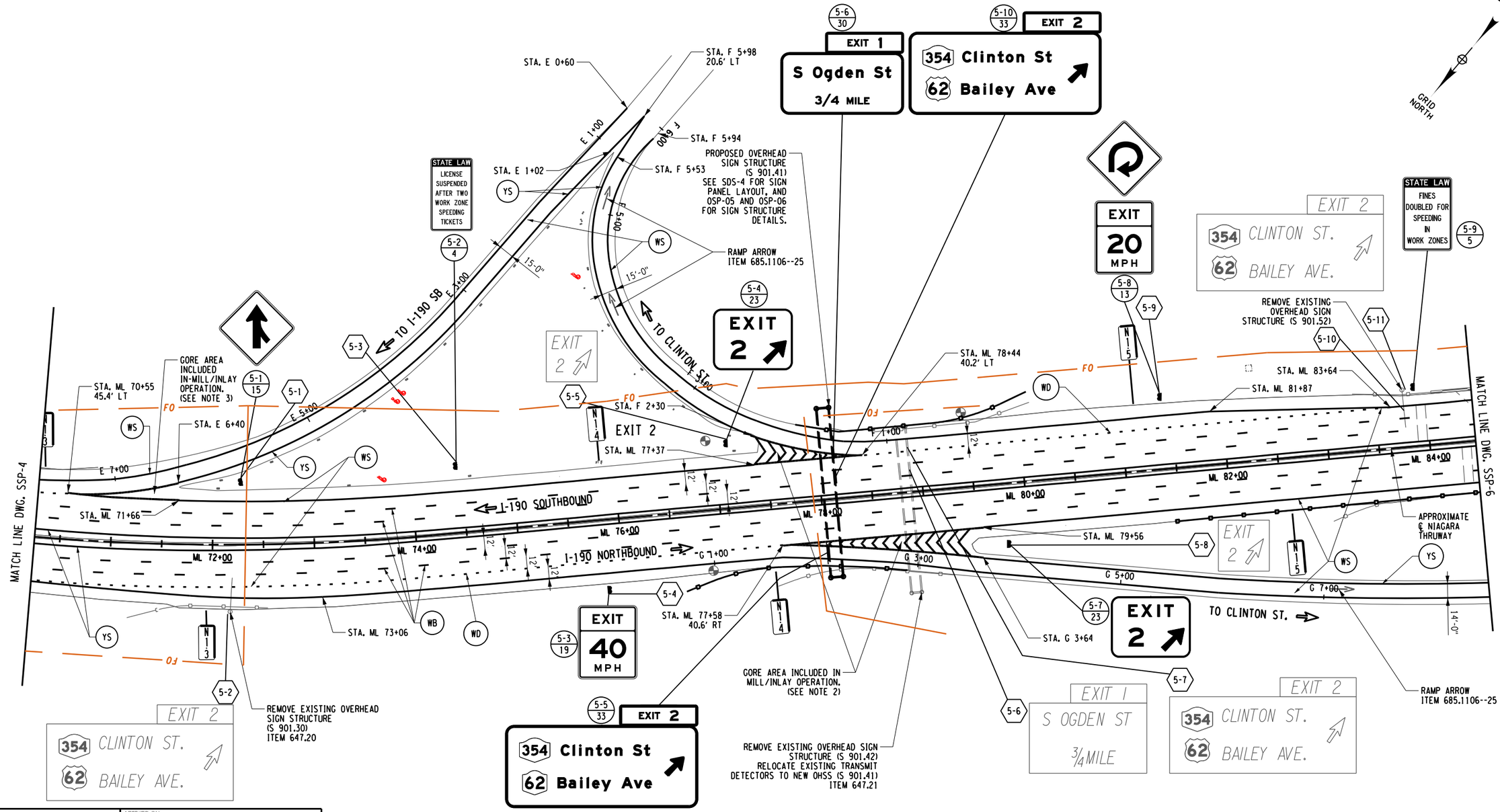
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-4

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. INSTALL 2' WIDE CHEVRON MARKINGS IN GORE AREA IN ACCORDANCE WITH NYSTA STANDARD SHEETS TA 685-01 & 685-02.
3. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

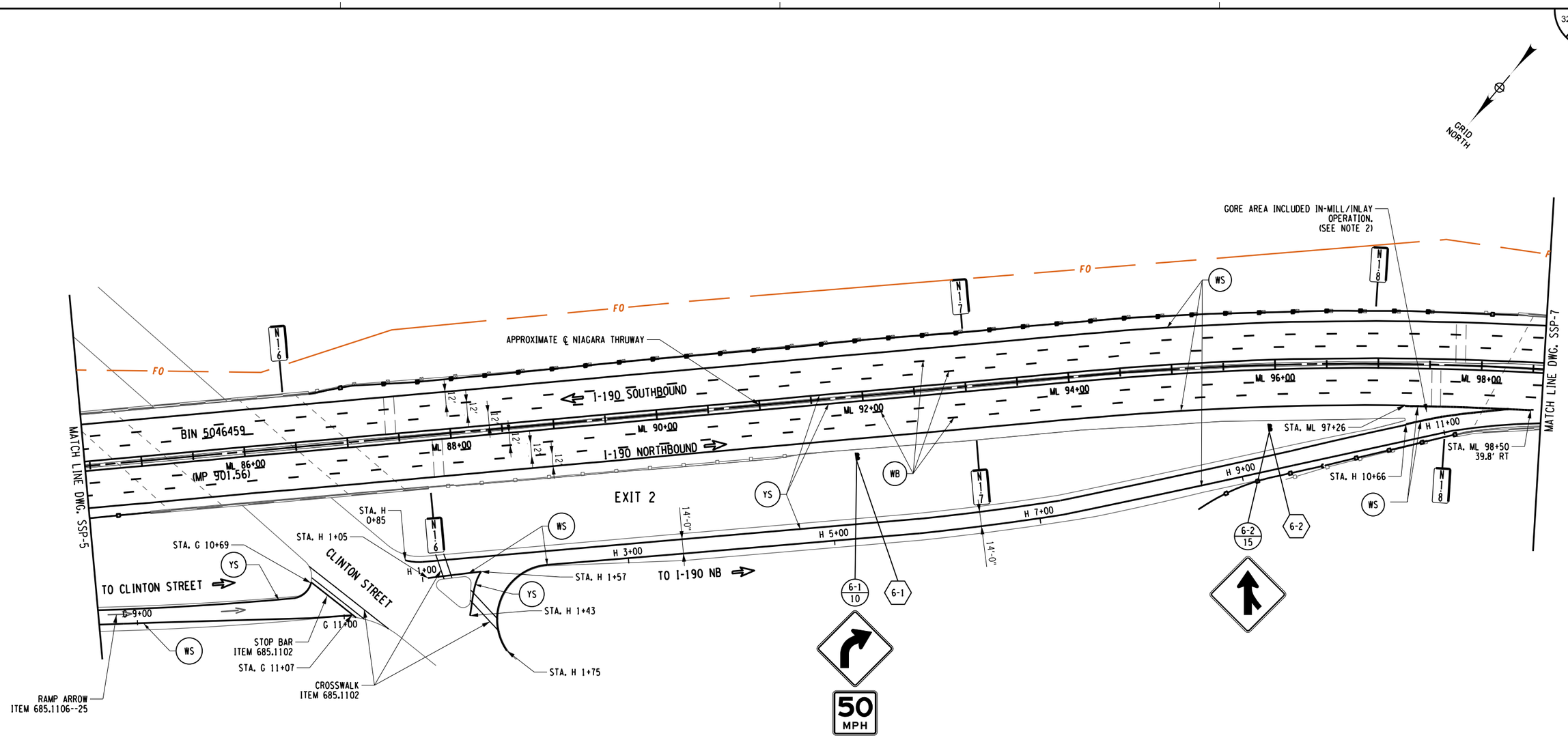
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-5

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

NOTES:
1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

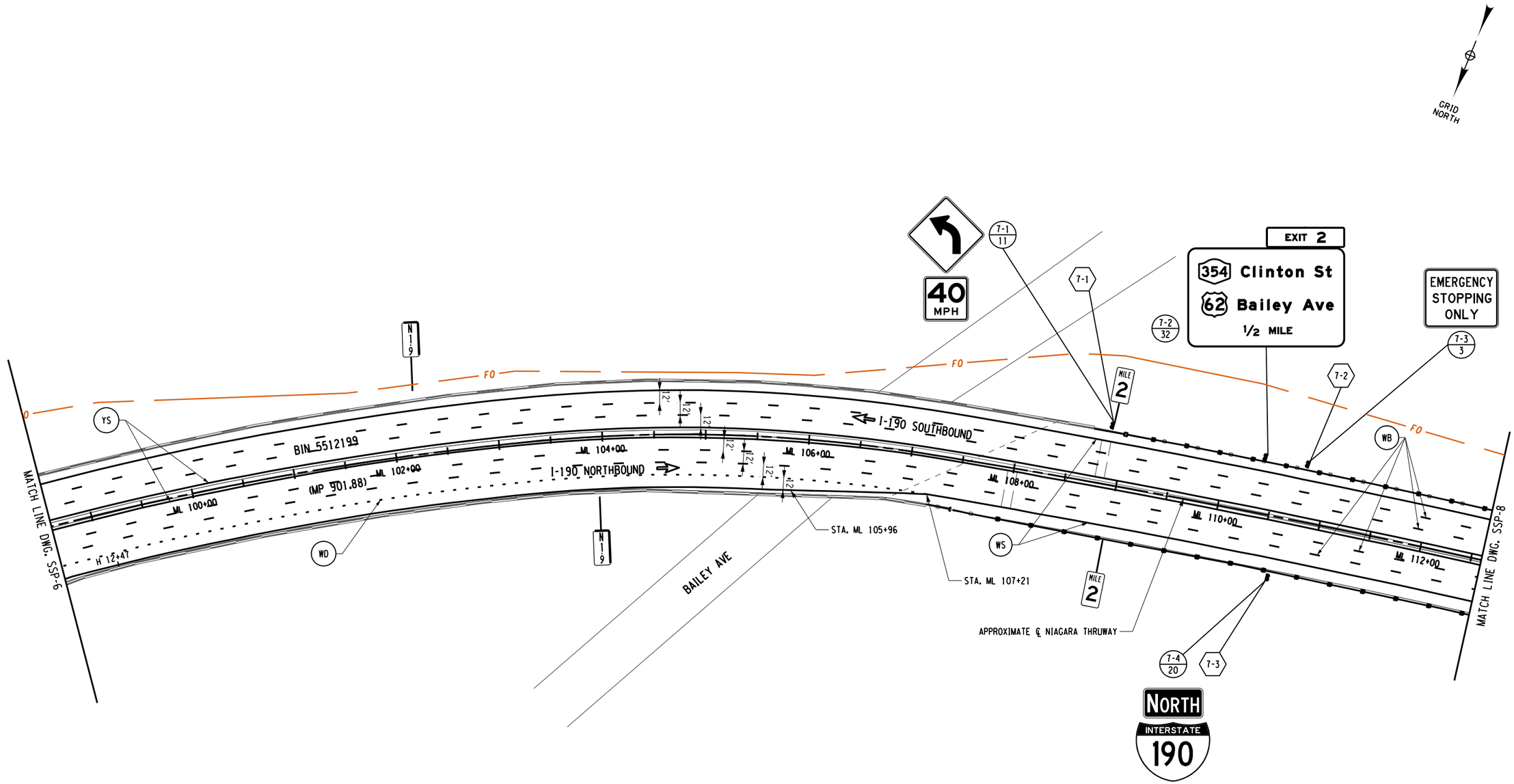
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
50 Main Street, Suite 1600
Buffalo, NY 14202-3722
716.853.4500 • www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SIGNING AND STRIPING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	SSP-6

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

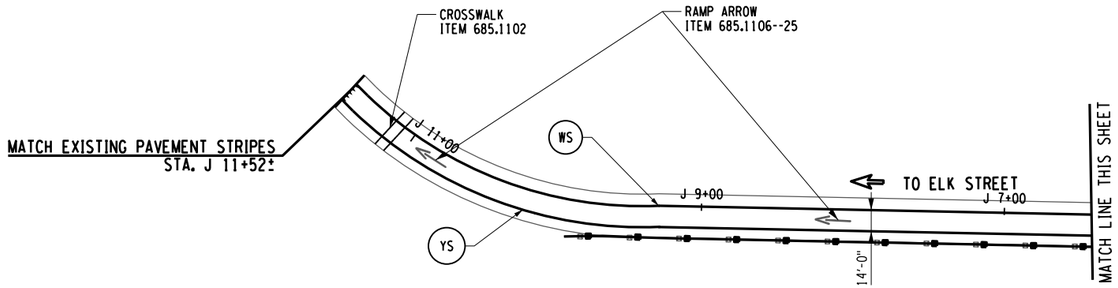
NEW YORK STATE Thruway Authority

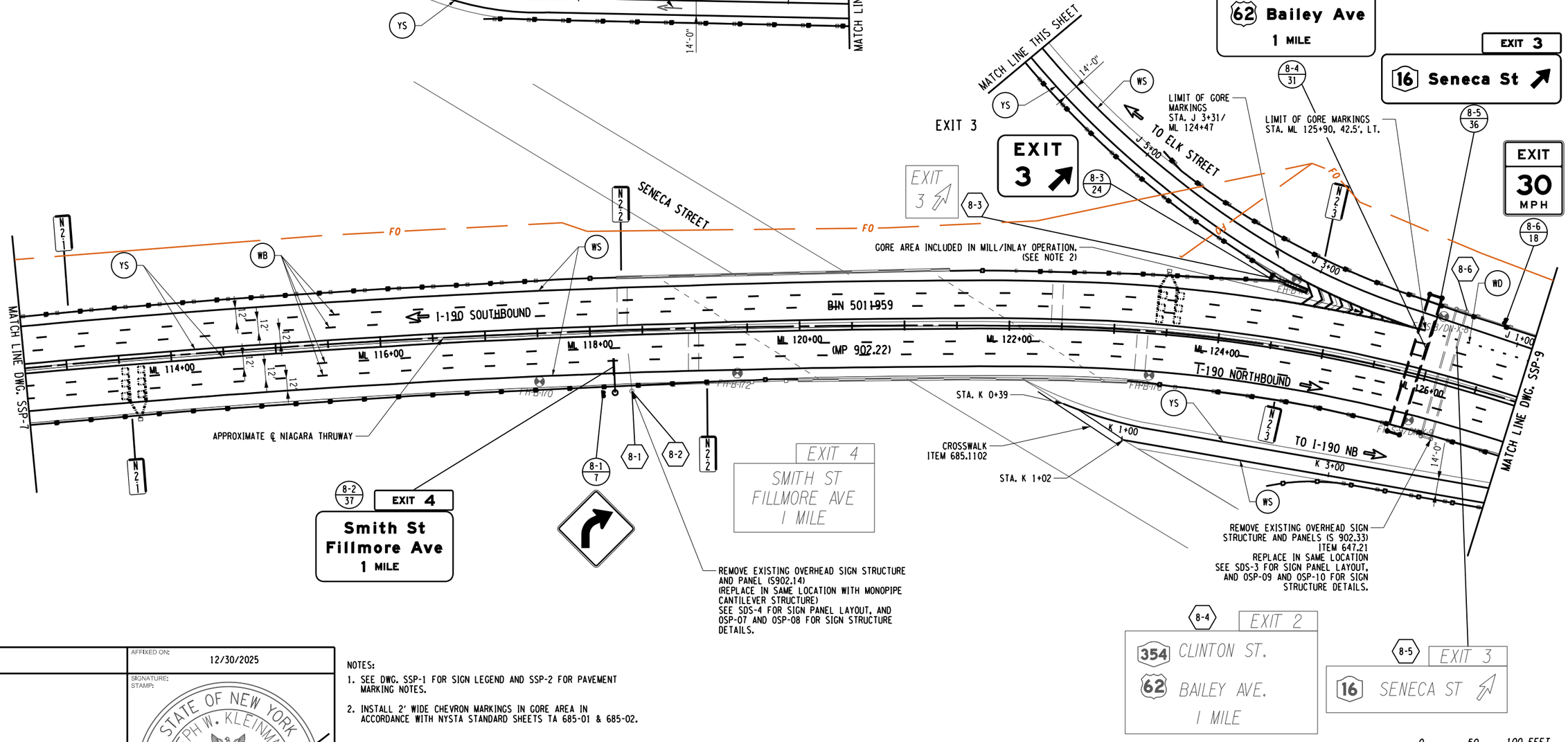
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-7

GRID NORTH





NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. INSTALL 2' WIDE CHEVRON MARKINGS IN GORE AREA IN ACCORDANCE WITH NYSTA STANDARD SHEETS TA 685-01 & 685-02.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

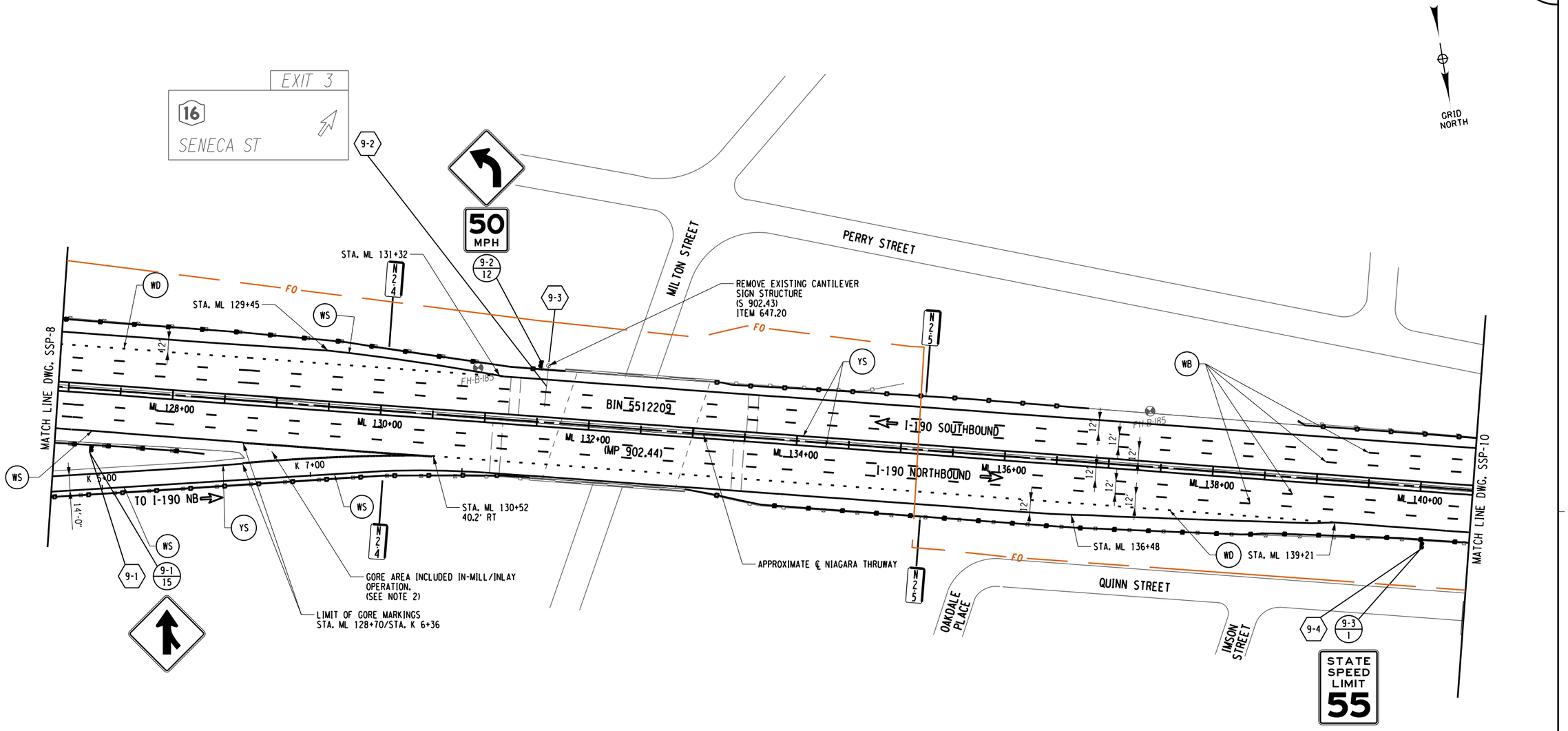
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble&bns.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-8

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

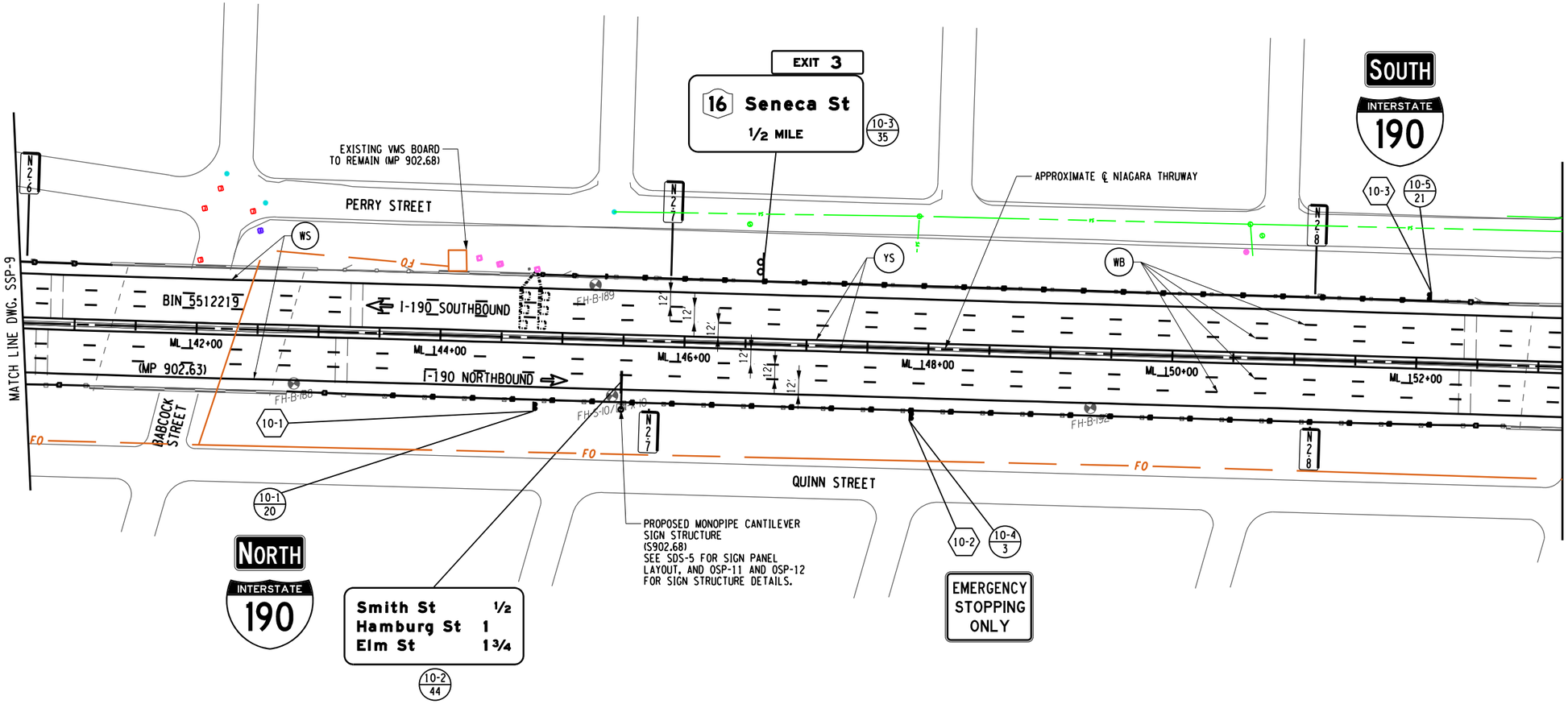
NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-9

CHECKED BY: J KLEINMANN
DRAFTED BY: N HOY
DESIGNED BY: P THOMPSON
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 092577

NOTES:
1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

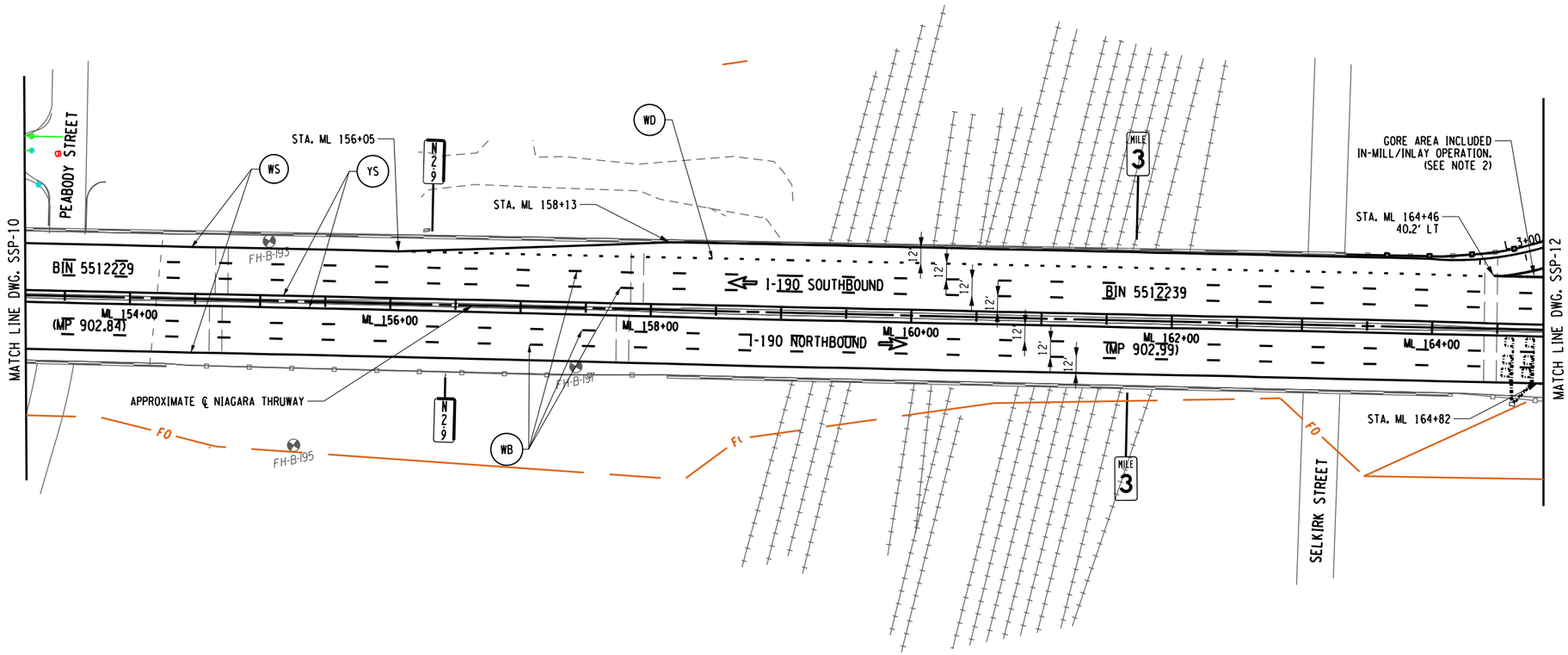
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobleams.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-10

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

GRID NORTH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED PROFESSIONAL ENGINEER · 092577 · EXCELSIOR

NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

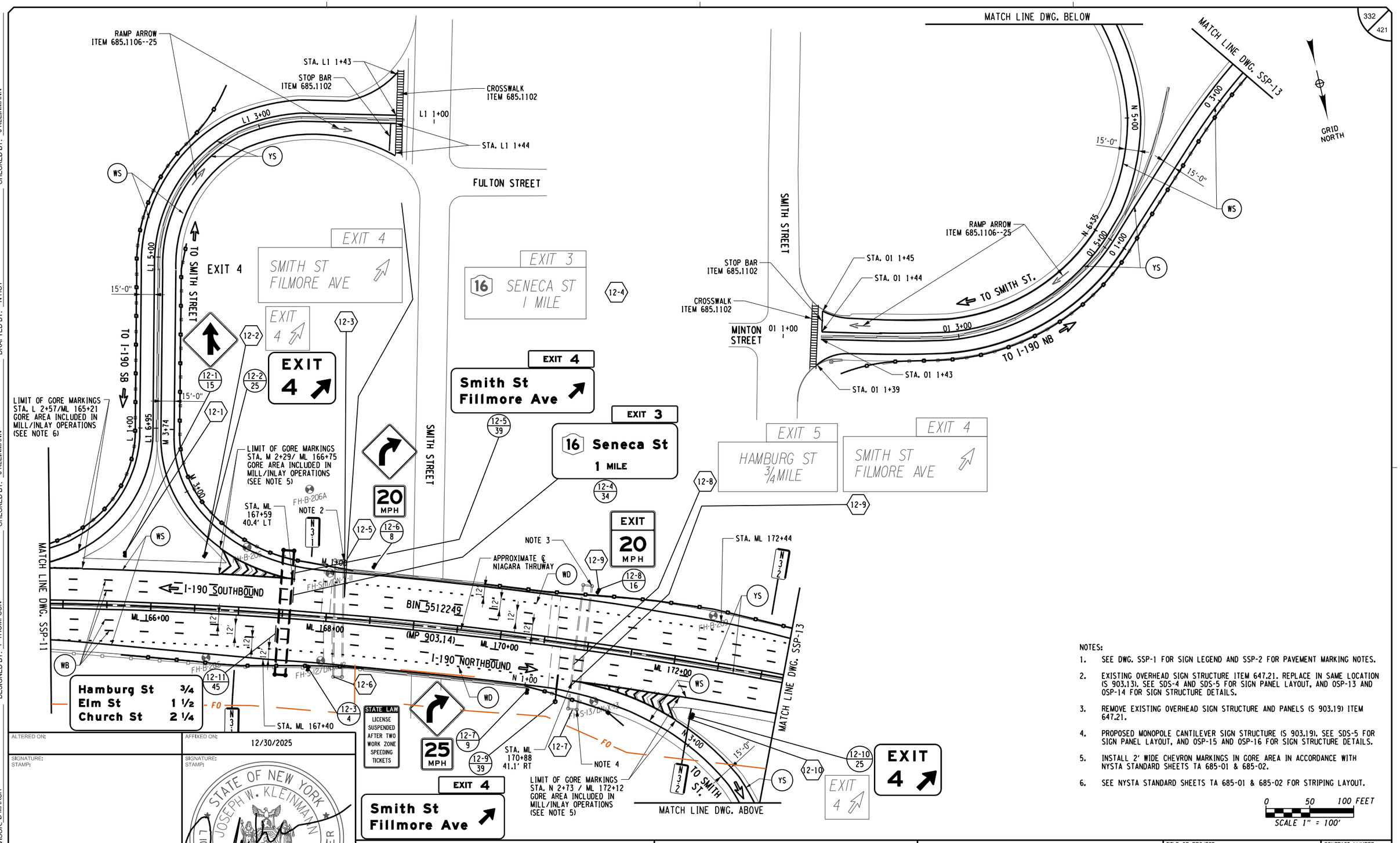
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-11

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. EXISTING OVERHEAD SIGN STRUCTURE ITEM 647.21. REPLACE IN SAME LOCATION (S 903.13). SEE SDS-4 AND SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-13 AND OSP-14 FOR SIGN STRUCTURE DETAILS.
3. REMOVE EXISTING OVERHEAD SIGN STRUCTURE AND PANELS (S 903.19) ITEM 647.21.
4. PROPOSED MONOPOLE CANTILEVER SIGN STRUCTURE (S 903.19). SEE SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-15 AND OSP-16 FOR SIGN STRUCTURE DETAILS.
5. INSTALL 2' WIDE CHEVRON MARKINGS IN GORE AREA IN ACCORDANCE WITH NYSTA STANDARD SHEETS TA 685-01 & 685-02.
6. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

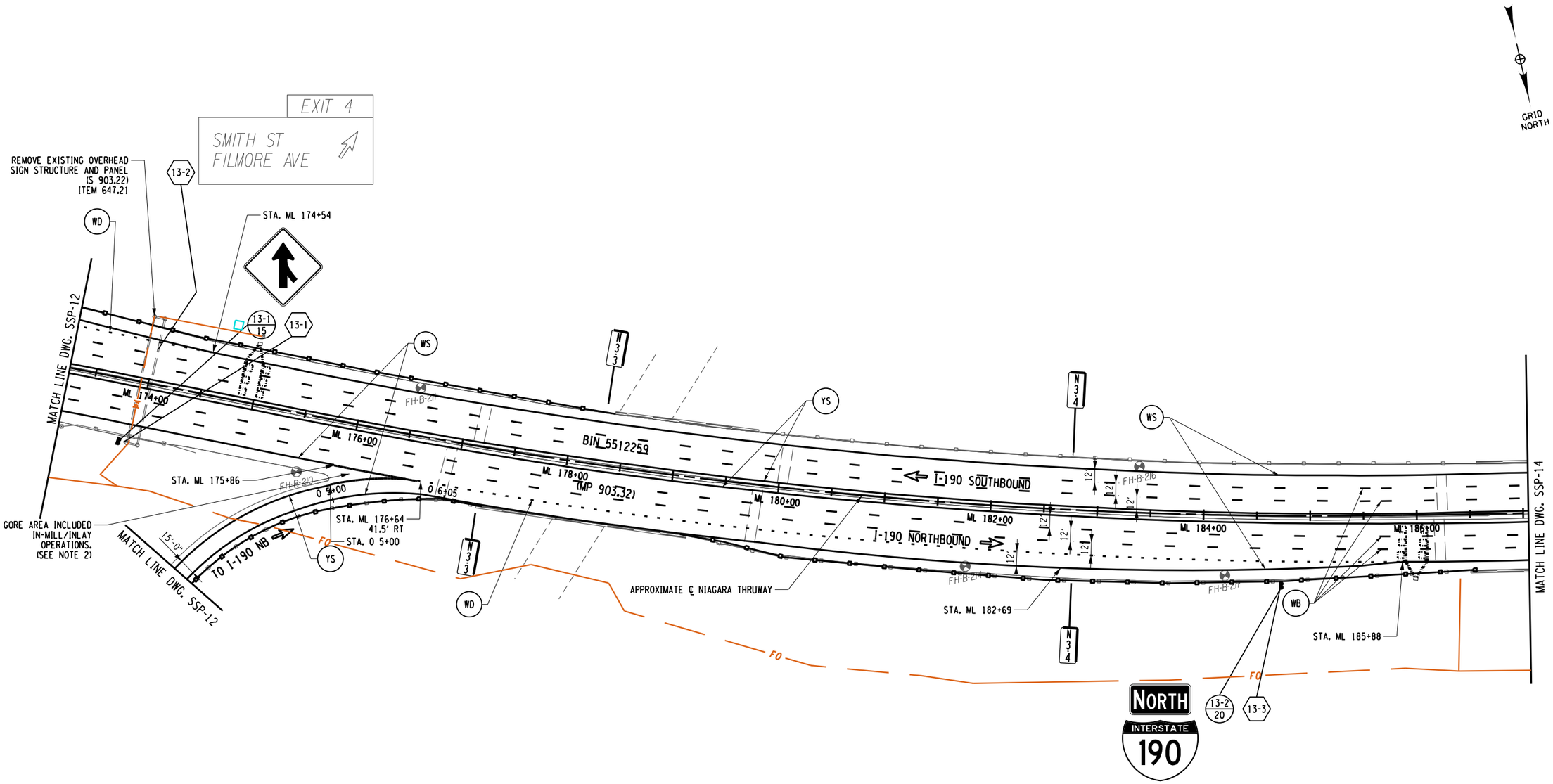
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-12

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



0 50 100 FEET
SCALE 1" = 100'

NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 STRIPING LAYOUT.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-13

GRID NORTH

EXIT 4
Smith St
Fillmore Ave
1/2 MILE
14-4
38

BUCKLE UP
NEW YORK LAW
SEAT BELT USE
REQUIRED
14-3
6

EMERGENCY
STOPPING
ONLY
14-1
3

VAN RENSSELAER STREET

MATCH LINE DWG. SSP-13

MATCH LINE DWG. SSP-15

APPROXIMATE ℄ NIAGARA THRUWAY

I-190 SOUTHBOUND

I-190 NORTHBOUND

BIN 5512269

BIN 5512279

ML 188+00
(MP 903.48)
ML 190+00
ML 192+00
ML 194+00
ML 196+00
(MP 903.66)
ML 198+00
ML 200+00

FH-B-220
FH-B-222
FH-B-225
FH-B-226
FH-B-227
FH-B-228

WB
YS
WS
WD
14-1
14-2
14-3
14-4
14-5
46
14-2
3

N 3 5
N 3 6
N 3 6
N 3 7

FO
FO

PROPOSED MONOPIPE CANTILEVER SIGN STRUCTURES (S 903.50) SEE SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-17 AND OSP-18 FOR SIGN STRUCTURE DETAILS.

EMERGENCY
STOPPING
ONLY

STA. ML 200+67

REMOVE EXISTING CANTILEVER SIGN STRUCTURE AND PANEL (S 903.70) ITEM 647.20

STA. ML 198+80

12'
12'
12'
12'
12'

Downtown EXITS	
Elm St	1
Church St	1 ¾
Niagara St	2 ¼

0 50 100 FEET
SCALE 1" = 100'

NOTES:
1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK JOSEPH W. KLEINMANN LICENSED PROFESSIONAL ENGINEER 092577 EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

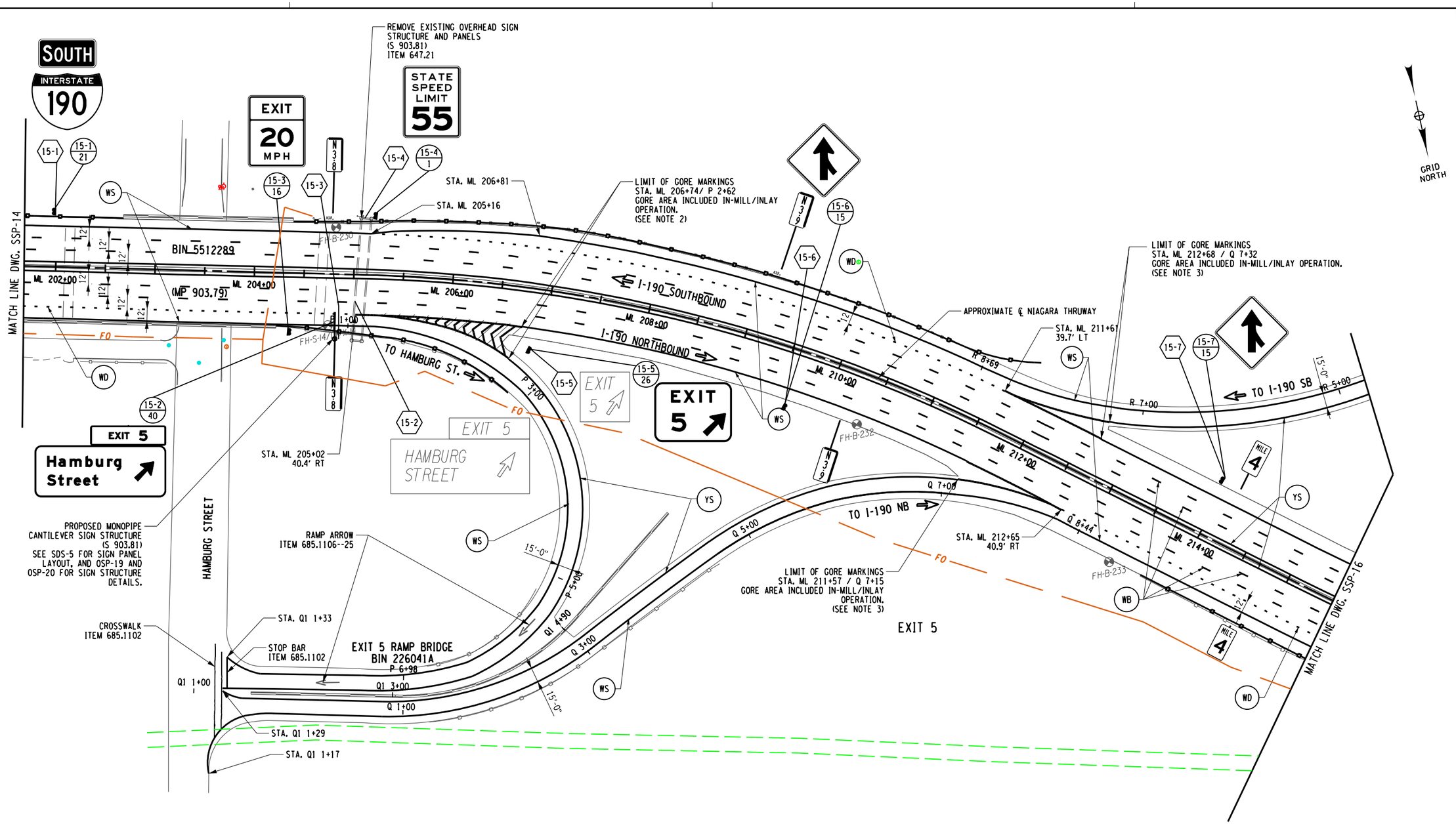
Drawing Copyright © 2025

CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-14

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH



ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

NOTES:

1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. INSTALL 2' WIDE CHEVRON MARKINGS IN GORE AREA IN ACCORDANCE WITH NYSTA STANDARD SHEETS TA 685-01 & 865-02.
3. SEE NYSTA STANDARD SHEETS TA 685-01 & 685-02 FOR STRIPING LAYOUT.

0 50 100 FEET
SCALE 1" = 100'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGNING AND STRIPING PLANS	DRAWING NUMBER: SSP-15

GRID NORTH

DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH

STA. R1 1+48
STA. R1 1+43
STA. R1 1+31
STA. R1 1+47
STA. R1 1+91
22.2' RT
CROSSWALK
ITEM 685.1102
TO I-190 SB
R 1+00
R1 3+00
R 3+00
R1 4+35
S 1+00
S 7+87
WS
YS
15'-0"
STA. R1 1+44
R1 1+00
STA. R1 1+38
STA. ML R1 1+61
19.2' LT
RAMP ARROW
ITEM 685.1106--25
STOP BAR
ITEM 685.1102
CROSSWALK
ITEM 685.1102
STA. R1 1+19
STA. R1 1+10
EXIT 5
EXIT 5
LOUISIANA STREET
EXIT 4
SMITH ST
FILLMORE AVE
1 MILE
16-4
16-5
EXIT
5
TO LOUISIANA STREET
S 5+00
EXIT
25
MPH
BUCKLE UP
NEW YORK LAW
SEAT BELT USE
REQUIRED
16-4
17
16-7
6
16-7
NOTE 2
16-6
STA. ML 223+04
16-6
37
EXIT 5
Louisiana St
EXIT 4
Smith St
Fillmore Ave
1 MILE
N 4 1
N 4 2
N 4 3
LIMIT OF GORE MARKINGS
STA. ML 218+28 / S 2+95
GORE AREA INCLUDED
IN-MILL/INLAY OPERATION.
(SEE NOTE 3)
16-2
26
EXIT
5
16-2
MATCH LINE DWG. SSP-15
ML 216+00
I-190 SOUTHBOUND
FH-B-235
S 3+00
STA. ML
220+20
40.9' LT
WD
S 1+00
FH-B-236
BIN 5512290
(MP 904.13)
LOUISIANA STREET
ML 218+00
I-190 NORTHBOUND
ML 220+00
ML 222+00
ML 224+00
ML 226+00
ML 228+00
ML 230+00
12'
FH-S-156/4NB
FH-S-157/4SB
FH-B-239
STA. ML 225+07
YS
FH-B-240
FH-B-242
FH-B-241
FO
WD
EXISTING VMS
BOARD TO REMAIN
(MP 904.05)
16-1
16-1
43
STA. ML 218+62
STA. ML 220+62
16-9
47
16-3
16-3
42
WS
WB
16-8
16-8
1
APPROXIMATE ℄ NIAGARA THRUWAY
MATCH EXISTING PAVEMENT STRIPES
STA. ML 226+89±
STATE
SPEED
LIMIT
55
Canalside
EXIT 6
Buffalo
Outer Harbor
EXIT 7
CANALSIDE
EXIT 6
BUFFALO
OUTTER HARBOR
EXIT 7
Downtown EXITS
Elm St 1/4
Church St 1
Niagara St 1½
SAHLEN FIELD
KEYBANK CENTER
EXIT 6
Sahlen Field
KeyBank Center
EXIT 6
PROPOSED MONOPIPE
CANTILEVER SIGN STRUCTURE
(S904.11)
SEE SDS-5 FOR SIGN PANEL
LAYOUT, AND OSP-21 AND
OSP-22 FOR SIGN STRUCTURE
DETAILS.

NOTES:
1. SEE DWG. SSP-1 FOR SIGN LEGEND AND SSP-2 FOR PAVEMENT MARKING NOTES.
2. PROPOSED OVERHEAD SIGN STRUCTURE (S904.16). SEE SDS-4 AND SDS-5 FOR SIGN PANEL LAYOUT, AND OSP-23 AND OSP-24 FOR SIGN STRUCTURE DETAILS.
3. INSTALL 2' WIDE CHEVRON MARKINGS IN GORE AREA IN ACCORDANCE WITH NYSTA STANDARD SHEETS TA 685-01 & 685-02.

0 50 100 FEET
SCALE 1" = 100'

ALTERED ON:
AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED PROFESSIONAL ENGINEER
092577
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

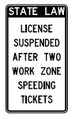
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SIGNING AND STRIPING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	SSP-16

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
1	NYR2-2	4-1 4-3 9-3 15-4 16-8 5	 48" X 60"	GROUND	645.5102	20.0 SF	100.0 SF
					645.81	2 EA	10 EA
2	R3-4	1-6 1-7 2	 36" X 36"	GROUND	645.5102	9.0 SF	18.0 SF
					645.81	2 EA	4 EA
3	R8-7	3-2 4-2 7-3 10-4 14-1 14-2 6	 48" X 36"	GROUND	645.5102	12.0 SF	72.0 SF
					645.81	2 EA	12 EA
4	NYR9-11	5-2 12-3 2	 48" X 84"	GROUND	645.5102	28.0 SF	56.0 SF
					645.81	2 EA	4 EA
5	NYR9-12	5-9 1	 48" X 72"	GROUND	645.5102	24.0 SF	24.0 SF
					645.81	2 EA	2 EA
6	R16-03PNY	4-4 14-3 16-7 3	 48" X 36"	GROUND	645.5102	12.0 SF	36.0 SF
					645.81	2 EA	6 EA
7	W1-2	8-1 1	 48" X 48"	GROUND	645.5102	16.0 SF	16.0 SF
					645.81	2 EA	2 EA
8	W1-2R W13-1P	12-6 1	 48" X 48" 30" X 30"	GROUND	645.5102	16.0 SF 6.3 SF	22.3 SF
					645.81	2 EA	2 EA
9	W1-2R W13-1P	12-7 1	 48" X 48" 30" X 30"	GROUND	645.5102	16.0 SF 6.3 SF	22.3 SF
					645.81	2 EA	2 EA
10	W1-2R W13-1P	6-1 1	 48" X 48" 30" X 30"	GROUND	645.5102	16.0 SF 6.3 SF	22.3 SF
					645.81	2 EA	2 EA

ITEM	DESCRIPTION	UNITS
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.5103	GROUND-MOUNTED SIGN PANELS GREATER THAN 32 SF, WITH Z-BARS	SF
645.61	OVERHEAD SIGN PANELS	SF
645.81	TYPE A SIGN POSTS	EA
645.830502	TYPE B SIGN POST, GALVANIZED, W10X19 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830802	TYPE B SIGN POST, GALVANIZED, W14X34 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER SHOULD CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP WITH QUESTIONS.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE PAYMENT FACTOR FOR SIGNS ARE FROM THE APPLICABLE NYSDOT STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
5. THE TOTAL QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
6. SEE SIGN REMOVAL TABLE ON DWG. MT-19.

CHECKED BY: J KLEINMANN
DRAFTED BY: J PAGE
DESIGNED BY: J PAGE
DESIGN SUPERVISOR: D MARSH

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble&bns.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: SIGN DATA SHEET

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: SDS-1

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
11	W1-2L W13-1P	7-1 [1]	 48" X 48"  30" X 30"	GROUND	645.5102	16.0 SF 6.3 SF	22.3 SF
					645.81	2 EA	2 EA
12	W1-2L W13-1P	9-2 [1]	 48" X 48"  30" X 30"	GROUND	645.5102	16.0 SF 6.3 SF	22.3 SF
					645.81	2 EA	2 EA
13	W1-15R W13-3	5-8 [1]	 48" X 48"  36" X 48"	GROUND	645.5102	16.0 SF 12.0 SF	28.0 SF
					645.81	2 EA	2 EA

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
14	W1-15R W13-3	3-1 [1]	 48" X 48"  36" X 48"	GROUND	645.5102	16.0 SF 12.0 SF	28.0 SF
					645.81	2 EA	2 EA
15	W4-1	2-1 5-1 6-2 9-1 12-1 13-1 15-6 15-7 [8]	 48" X 48"	GROUND	645.5102	16.0 SF	128.0 SF
					645.81	2 EA	16 EA
16	W13-2	12-8 15-3 [2]	 36" X 48"	GROUND	645.5102	12.0 SF	24.0 SF
					645.81	2 EA	4 EA
17	W13-2	16-4 [1]	 36" X 48"	GROUND	645.5102	12.0 SF	12.0 SF
					645.81	2 EA	2 EA
18	W13-2	8-6 [1]	 36" X 48"	GROUND	645.5102	12.0 SF	12.0 SF
					645.81	2 EA	2 EA
19	W13-2	1-5 5-3 [2]	 36" X 48"	GROUND	645.5102	12.0 SF	24.0 SF
					645.81	2 EA	4 EA

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER SHOULD CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP WITH QUESTIONS.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE PAYMENT FACTOR FOR SIGNS ARE FROM THE APPLICABLE NYSDOT STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
5. THE TOTAL QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
6. SEE SIGN REMOVAL TABLE ON DWG. MT-19.

ITEM	DESCRIPTION	UNITS
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.5103	GROUND-MOUNTED SIGN PANELS GREATER THAN 32 SF, WITH Z-BARS	SF
645.61	OVERHEAD SIGN PANELS	SF
645.81	TYPE A SIGN POSTS	EA
645.830502	TYPE B SIGN POST, GALVANIZED, W10X19 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830802	TYPE B SIGN POST, GALVANIZED, W14X34 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: SIGN DATA SHEET

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: SDS-2

DESIGNED BY: J PAGE
DRAFTED BY: J PAGE
CHECKED BY: J KLEINMANN
DESIGN SUPERVISOR: D MARSH
CHECKED BY: J KLEINMANN

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
20	M3-1 M1-1	3-3 7-4 10-1 13-2 4	NORTH 36" X 18" INTERSTATE 190 45" X 36"	GROUND	645.5102	4.5 SF 11.3 SF	63.2 SF
					645.81	2 EA	8 EA
21	M3-3 M1-1	10-5 15-1 2	SOUTH 36" X 18" INTERSTATE 190 45" X 36"	GROUND	645.5102	4.5 SF 11.3 SF	31.6 SF
					645.81	2 EA	4 EA
22	E5-1a	1-3 2-2 2	EXIT 1 78" X 60"	GROUND	645.5103	32.5 SF	65.0 SF
					645.81	2 EA	4 EA
23	E5-1a	5-4 5-7 2	EXIT 2 78" X 60"	GROUND	645.5103	32.5 SF	65.0 SF
					645.81	2 EA	4 EA
24	E5-1a	8-3 1	EXIT 3 78" X 60"	GROUND	645.5103	32.5 SF	32.5 SF
					645.81	2 EA	2 EA
25	E5-1a	12-2 12-10 2	EXIT 4 78" X 60"	GROUND	645.5103	32.5 SF	65.0 SF
					645.81	2 EA	4 EA
26	E5-1a	15-5 16-2 2	EXIT 5 78" X 60"	GROUND	645.5103	32.5 SF	65.0 SF
					645.81	2 EA	4 EA
27	W13-3	1-4 1	RAMP 20 MPH 36" X 48"	GROUND	645.5102	12.0 SF	12.0 SF
					645.81	2 EA	2 EA

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER SHOULD CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP WITH QUESTIONS.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE PAYMENT FACTOR FOR SIGNS ARE FROM THE APPLICABLE NYSDOT STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
5. THE TOTAL QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
6. SEE SIGN REMOVAL TABLE ON DWG. MT-19.

ITEM	DESCRIPTION	UNITS
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.5103	GROUND-MOUNTED SIGN PANELS GREATER THAN 32 SF, WITH Z-BARS	SF
645.61	OVERHEAD SIGN PANELS	SF
645.81	TYPE A SIGN POSTS	EA
645.830502	TYPE B SIGN POST, GALVANIZED, W10X19 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830802	TYPE B SIGN POST, GALVANIZED, W14X34 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: J PAGE
DRAFTED BY: J PAGE
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: SIGN DATA SHEET

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: SDS-3

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
28	E1-5P SPECIAL (WHITE ON GREEN)	1-2 1	EXIT 1 114" X 30" S Ogden St Dingens St ↗ 222" X 78"	GROUND	645.5103 645.830502	144.1 SF 2 EA	144.1 SF 2 EA
29	E1-5P SPECIAL (WHITE ON GREEN)	3-6 1	EXIT 1 114" X 30" S Ogden St 1/4 MILE 174" X 72"	OVERHEAD	645.61	110.8 SF	110.8 SF
30	E1-5P SPECIAL (WHITE ON GREEN)	5-6 1	EXIT 1 114" X 30" S Ogden St 3/4 MILE 174" X 72"	OVERHEAD	645.61	110.8 SF	110.8 SF
31	E1-5P SPECIAL (WHITE ON GREEN)	8-4 1	EXIT 2 114" X 30" 354 Clinton St 62 Bailey Ave 1 MILE 228" X 144"	OVERHEAD	645.61	251.8 SF	251.8 SF
32	E1-5P SPECIAL (WHITE ON GREEN)	3-4, 7-2 2	EXIT 2 114" X 30" 354 Clinton St 62 Bailey Ave 1/2 MILE 228" X 144"	1 GROUND & 1 OVERHEAD	645.5103 645.61 645.830802	251.8 SF 3 EA	503.6 SF 3 EA

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
33	E1-5P SPECIAL (WHITE ON GREEN)	5-5 5-10 2	EXIT 2 114" X 30" 354 Clinton St 62 Bailey Ave ↗ 276" X 114"	2 OVERHEAD	645.61	242.3 SF	484.6 SF
34	E1-5P SPECIAL (WHITE ON GREEN)	12-4 1	EXIT 3 114" X 30" 16 Seneca St 1 MILE 216" X 96"	OVERHEAD	645.61	167.8 SF	167.8 SF
35	E1-5P SPECIAL (WHITE ON GREEN)	10-3 1	EXIT 3 114" X 30" 16 Seneca St 1/2 MILE 216" X 96"	GROUND	645.5103 645.830702	167.8 SF 3 EA	167.8 SF 3 EA
36	E1-5P SPECIAL (WHITE ON GREEN)	8-5 1	EXIT 3 114" X 30" 16 Seneca St ↗ 258" X 72"	OVERHEAD	645.61	152.8 SF	152.8 SF
37	E1-5P SPECIAL (WHITE ON GREEN)	8-2, 16-6 2	EXIT 4 114" X 30" Smith St Fillmore Ave 1 MILE 198" X 102"	2 OVERHEAD	645.61	164.1 SF	328.2 SF

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: J PAGE
DRAFTED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · 092577 · PROFESSIONAL ENGINEER · EXCELSIOR

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER SHOULD CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP WITH QUESTIONS.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE PAYMENT FACTOR FOR SIGNS ARE FROM THE APPLICABLE NYSDOT STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
5. THE TOTAL QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
6. SEE SIGN REMOVAL TABLE ON DWG. MT-19.

ITEM	DESCRIPTION	UNITS
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.5103	GROUND-MOUNTED SIGN PANELS GREATER THAN 32 SF, WITH Z-BARS	SF
645.61	OVERHEAD SIGN PANELS	SF
645.81	TYPE A SIGN POSTS	EA
645.830502	TYPE B SIGN POST, GALVANIZED, W10X19 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830802	TYPE B SIGN POST, GALVANIZED, W14X34 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacbe.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	SIGN DATA SHEET
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	SDS-4

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
38	E1-5P SPECIAL (WHITE ON GREEN)	14-4 1	EXIT 4 114" X 30" Smith St Fillmore Ave 1/2 MILE 198" X 102"	GROUND	645.5103 645.830802	164.1 SF 2 EA	164.1 SF 2 EA
39	E1-5P SPECIAL (WHITE ON GREEN)	12-5, 12-9 2	EXIT 4 114" X 30" Smith St Fillmore Ave ↗ 246" X 78"	2 OVERHEAD	645.61	157.1 SF	314.2 SF
40	E1-5P SPECIAL (WHITE ON GREEN)	15-2 1	EXIT 5 114" X 30" Hamburg Street ↗ 198" X 78"	OVERHEAD	645.61	131.1 SF	131.1 SF
41	E1-5P SPECIAL (WHITE ON GREEN)	16-5 1	EXIT 5 114" X 30" Louisiana St ↗ 240" X 60"	OVERHEAD	645.61	123.8 SF	123.8 SF
42	SPECIAL (WHITE ON GREEN)	16-3 1	Sahlen Field KeyBank Center EXIT 6 198" X 84"	OVERHEAD	645.61	115.5 SF	115.5 SF

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
43	SPECIAL (WHITE ON GREEN)	16-1 1	Canalside EXIT 6 Buffalo Outer Harbor EXIT 7 168" X 132"	GROUND	645.5103 645.830802	154.0 SF 3 EA	154.0 SF 3 EA
44	D2-3	10-2 1	Smith St 1/2 Hamburg St 1 Elm St 1 3/4 222" X 96"	OVERHEAD	645.61	148.0 SF	148.0 SF
45	D2-3	12-11 1	Hamburg St 3/4 Elm St 1 1/2 Church St 2 1/4 228" X 96"	OVERHEAD	645.61	152.0 SF	152.0 SF
46	SPECIAL (WHITE ON GREEN)	14-5 1	Downtown EXITS Elm St 1 Church St 1 3/4 Niagara St 2 1/4 216" X 132"	OVERHEAD	645.61	198.0 SF	198.0 SF
47	SPECIAL (WHITE ON GREEN)	16-9 1	Downtown EXITS Elm St 1/4 Church St 1 Niagara St 1 1/2 216" X 132"	OVERHEAD	645.61	198.0 SF	198.0 SF

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: J PAGE
DRAFTED BY: J PAGE
CHECKED BY: J KLEINMANN
QA/QC BY: J KLEINMANN

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER SHOULD CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP WITH QUESTIONS.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE PAYMENT FACTOR FOR SIGNS ARE FROM THE APPLICABLE NYSDOT STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
5. THE TOTAL QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
6. SEE SIGN REMOVAL TABLE ON DWG. MT-19.

ITEM	DESCRIPTION	UNITS
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.5103	GROUND-MOUNTED SIGN PANELS GREATER THAN 32 SF, WITH Z-BARS	SF
645.61	OVERHEAD SIGN PANELS	SF
645.81	TYPE A SIGN POSTS	EA
645.830502	TYPE B SIGN POST, GALVANIZED, W10X19 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830802	TYPE B SIGN POST, GALVANIZED, W14X34 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: SIGN DATA SHEET

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: SDS-5

TEXT NUMBER	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	MOUNT	ITEM	PAYMENT FACTOR (SEE NOTES 3 & 4)	TOTAL QUANTITY (SEE NOTE 5)
48	D2-2	3-7 1	Downtown 4 Niagara Falls 20 138" X 42"	GROUND	645.5103 645.830702	40.3 SF 2 EA	40.3 SF 2 EA
49	E1-5P E6-2a	1-1 1	EXITS 1-52 (156" X 30") EXITS 54-61 (156" X 30") I-90 EAST: Buffalo Airport, Albany I-90 WEST: Erie EXIT ONLY 456" X 204"	OVERHEAD	645.61	711.0 SF	711.0 SF
50	E6-2a	3-5 1	I-90 EAST: Buffalo Airport, Albany KEEP LEFT I-90 WEST: Erie KEEP RIGHT JCT 3/4 MILE 360" X 180"	OVERHEAD	645.61	450.0 SF	450.0 SF

DESIGN SUPERVISOR: D MARSH
DESIGNED BY:
CHECKED BY:
DRAFTED BY:
CHECKED BY: J KLEINMANN

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER SHOULD CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP WITH QUESTIONS.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE PAYMENT FACTOR FOR SIGNS ARE FROM THE APPLICABLE NYSDOT STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
5. THE TOTAL QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
6. SEE SIGN REMOVAL TABLE ON DWG. MT-19.

ITEM	DESCRIPTION	UNITS
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.5103	GROUND-MOUNTED SIGN PANELS GREATER THAN 32 SF, WITH Z-BARS	SF
645.61	OVERHEAD SIGN PANELS	SF
645.81	TYPE A SIGN POSTS	EA
645.830502	TYPE B SIGN POST, GALVANIZED, W10X19 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
645.830802	TYPE B SIGN POST, GALVANIZED, W14X34 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JOSEPH W. KLEINMANN · LICENSED · EXCELSIOR · 092577 · PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: SIGN DATA SHEET	DRAWING NUMBER: SDS-6

TABLE OF PROPOSED EPOXY PAVEMENT MARKINGS

ITEM 635.04030225 - RECESS DIAMOND GRINDING FOR INLAID PAVEMENT PARKINGS (LF)
ITEM 685.1707--25 - WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES, 6-INCH X 20 MILS (LF)
ITEM 685.1708--25 - YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES, 6-INCH X 20 MILS (LF)

LOCATION		COLOR AND TYPE OF LINE	WIDTH (IN)	LENGTH (LF)	ITEM 685.1707--25 (LF)	ITEM 685.1708--25 (LF)	ITEM 635.04030225 (LF)
FROM STA.	TO STA.						
MAINLINE SOUTHBOUND							
ML 37+88	ML 226+89	SOLID YELLOW	6	18901		18901	18901
ML 37+88	ML 226+89	BROKEN WHITE	6	18901	4725		4725
ML 37+88	ML 226+89	BROKEN WHITE	6	18901	4725		4725
ML 37+88	ML 38+20	SOLID WHITE	6	32	32		32
ML 38+20	ML 39+24	CHANNELIZING WHITE	12	105	209		209
ML 39+24	ML 47+16	DOTTED WHITE	6	792	198		198
ML 47+16	ML 60+44	SOLID WHITE	6	1328	1328		1328
ML 60+44	ML 70+55	DOTTED WHITE	6	1011	253		253
ML 70+55	ML 71+66	CHANNELIZING WHITE	12	111	222		222
ML 71+66	ML 77+37	SOLID WHITE	6	571	571		571
ML 77+37	ML 78+44	CHANNELIZING WHITE	12	107	214		214
ML 78+44	ML 83+64	DOTTED WHITE	6	520	130		130
ML 83+64	ML 124+47	SOLID WHITE	6	4083	4083		4083
ML 124+47	ML 125+90	CHANNELIZING WHITE	12	143	286		286
ML 125+90	ML 131+32	DOTTED WHITE	6	542	136		136
ML 131+32	ML 156+05	SOLID WHITE	6	2473	2473		2473
ML 156+05	ML 164+46	DOTTED WHITE	6	841	210		210
ML 164+46	ML 165+21	CHANNELIZING WHITE	12	75	150		150
ML 165+21	ML 166+75	SOLID WHITE	6	154	154		154
ML 166+75	ML 167+59	CHANNELIZING WHITE	12	84	168		168
ML 167+59	ML 174+54	DOTTED WHITE	6	695	174		174
ML 174+54	ML 205+16	SOLID WHITE	6	3062	3062		3062
ML 205+16	ML 211+61	DOTTED WHITE	6	645	161		161
ML 211+61	ML 212+68	CHANNELIZING WHITE	12	107	214		214
ML 212+68	ML 218+28	SOLID WHITE	6	560	560		560
ML 218+28	ML 220+20	CHANNELIZING WHITE	12	192	384		384
ML 220+20	ML 225+07	DOTTED WHITE	6	487	487		487
ML 225+07	ML 226+89	SOLID WHITE	6	182	182		182
				SUBTOTAL	25491	18901	44392

TABLE OF PROPOSED EPOXY PAVEMENT MARKINGS

ITEM 635.04030225 - RECESS DIAMOND GRINDING FOR INLAID PAVEMENT PARKINGS (LF)
ITEM 685.1707--25 - WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES, 6-INCH X 20 MILS (LF)
ITEM 685.1708--25 - YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES, 6-INCH X 20 MILS (LF)

LOCATION		COLOR AND TYPE OF LINE	WIDTH (IN)	LENGTH (LF)	ITEM 685.1707--25 (LF)	ITEM 685.1708--25 (LF)	ITEM 635.04030225 (LF)
FROM STA.	TO STA.						
MAINLINE NORTHBOUND							
ML 37+82	ML 226+89	SOLID YELLOW	6	18907		18907	18907
ML 37+82	ML 226+89	BROKEN WHITE	6	18907	4727		4727
ML 37+82	ML 226+89	BROKEN WHITE	6	18907	4727		4727
ML 37+82	ML 38+11	SOLID WHITE	6	29	29		29
ML 38+11	ML 39+34	CHANNELIZING WHITE	12	123	246		246
ML 39+34	ML 51+29	DOTTED WHITE	6	1195	299		299
ML 51+29	ML 69+83	SOLID WHITE	6	1854	1854		1854
ML 69+83	ML 77+58	DOTTED WHITE	6	775	194		194
ML 77+58	ML 79+56	CHANNELIZING WHITE	12	198	396		396
ML 79+56	ML 97+26	SOLID WHITE	6	1770	1770		1770
ML 97+26	ML 98+50	CHANNELIZING WHITE	12	124	248		248
ML 98+50	ML 107+21	DOTTED WHITE	6	871	218		218
ML 107+21	ML 128+70	SOLID WHITE	6	2149	2149		2149
ML 128+70	ML 130+52	CHANNELIZING WHITE	12	182	364		364
ML 130+52	ML 139+21	DOTTED WHITE	6	869	217		217
ML 139+21	ML 164+82	SOLID WHITE	6	2561	2561		2561
ML 164+82	ML 170+88	DOTTED WHITE	6	606	152		152
ML 170+88	ML 172+12	CHANNELIZING WHITE	12	124	248		248
ML 172+12	ML 175+86	SOLID WHITE	6	374	374		374
ML 175+86	ML 176+64	CHANNELIZING WHITE	12	78	156		156
ML 176+64	ML 185+88	DOTTED WHITE	6	924	231		231
ML 185+88	ML 198+80	SOLID WHITE	6	1292	1292		1292
ML 198+80	ML 205+02	DOTTED WHITE	6	622	156		156
ML 205+02	ML 206+74	CHANNELIZING WHITE	12	172	344		344
ML 206+74	ML 211+57	SOLID WHITE	6	483	483		483
ML 211+57	ML 212+65	CHANNELIZING WHITE	12	108	216		216
ML 212+65	ML 220+62	DOTTED WHITE	6	797	199		199
ML 220+62	ML 226+89	SOLID WHITE	6	627	627		627
				SUBTOTAL	24475	18907	43382
				SHEET TOTAL	49966	37808	87774

TABLE OF PROPOSED EPOXY PAVEMENT MARKINGS (RAMP ARROWS)

LOCATION	COLOR AND TYPE OF LINE	WIDTH (IN)	LENGTH (LF)	ITEM 685.1106--25 (WHITE)
INTERCHANGE 1 NB OFF-RAMP (RAMP A)				
A 12+98	SOLID WHITE	6	74	111
A 14+38	SOLID WHITE	6	74	111
INTERCHANGE 1 SB OFF-RAMP (RAMP D)				
D 4+22	SOLID WHITE	6	74	111
D 8+71	SOLID WHITE	6	74	111
D1 2+38	SOLID WHITE	6	74	111
INTERCHANGE 2 SB OFF-RAMP (RAMP F)				
F 4+10	SOLID WHITE	6	74	111
F 5+12	SOLID WHITE	6	74	111
INTERCHANGE 2 NB OFF-RAMP (RAMP G)				
G 7+15	SOLID WHITE	6	74	111
G 8+80	SOLID WHITE	6	74	111
G 9+90	SOLID WHITE	6	74	111
INTERCHANGE 3 SB OFF-RAMP (RAMP J)				
J 8+10	SOLID WHITE	6	74	111
J 10+80	SOLID WHITE	6	74	111
INTERCHANGE 4 SB OFF-RAMP (RAMP M)				
L1 3+97	SOLID WHITE	6	74	111
L1 2+08	SOLID WHITE	6	74	111
INTERCHANGE 4 NB OFF-RAMP (RAMP N)				
N 4+42	SOLID WHITE	6	74	111
N 1+91	SOLID WHITE	6	74	111
INTERCHANGE 5 NB OFF-RAMP (RAMP P)				
P 5+56	SOLID WHITE	6	74	111
Q1 2+38	SOLID WHITE	6	74	111
INTERCHANGE 5 SB OFF-RAMP (RAMP S)				
S 6+38	SOLID WHITE	6	74	111
R1 1+99	SOLID WHITE	6	74	111
SHEET TOTAL				2220

TABLE OF PROPOSED EPOXY PAVEMENT MARKINGS (RAMPS)

LOCATION		COLOR AND TYPE OF LINE	WIDTH (IN)	LENGTH (LF)	ITEM 685.1106--25 (WHITE)	ITEM 685.1206--25 (YELLOW)	ITEM 685.1102 (WHITE)
FROM STA.	TO STA.						
INTERCHANGE 1 NB OFF-RAMP (RAMP A)							
A 9+81	A 16+12	SOLID WHITE	6	644	644		
A 9+81	A 15+93	SOLID YELLOW	6	632		632	
-	-	STOP BAR	18	22			99
INTERCHANGE 1 SB ON-RAMP (RAMP B)							
B 1+19	B 6+12	SOLID WHITE	6	495	495		
B 1+19	B 6+12	SOLID YELLOW	6	512		512	
INTERCHANGE 1 NB ON-RAMP (RAMP C)							
C 1+73	ML 51+29	SOLID WHITE	6	2100	2100		
C 1+95	C 5+53	SOLID YELLOW	6	387		387	
C 5+53	C1 11+49	SOLID WHITE	6	37	37		
C1 10+26	C1 11+49	SOLID WHITE	6	122	122		
C1 10+26	C 9+58	SOLID YELLOW	6	514		514	
C 9+58	ML 39+34	CHANNELIZING WHITE	12	88	176		
-	-	CROSSWALK-TYPE LS	12	49			582
INTERCHANGE 1 SB OFF-RAMP (RAMP D)							
ML 47+16	D 9+31	SOLID WHITE	6	1578	1578		
ML 39+24	D 2+46	CHANNELIZING WHITE	12	99	198		
D1 2+12	D1 3+26	SOLID WHITE	6	148	148		
D 2+46	D1 3+26	SOLID YELLOW	6	540		540	
D1 1+78	D 6+51	SOLID WHITE	6	34	34		
D 6+51	D 9+31	SOLID YELLOW	6	293		293	
ML 39+24	D 2+46	HATCHING	24	157	628		
-	-	STOP BAR	18	12			54
SHEET TOTAL					6160	2878	735

ITEM	DESCRIPTION	UNITS
ITEM 685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
ITEM 685.1106--25	WHITE EPOXY REFECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF
ITEM 685.1206--25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
092577
PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: PAVEMENT MARKING TABLE

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: PMT-1

TABLE OF PROPOSED EPOXY PAVEMENT MARKINGS (RAMPS)

LOCATION FROM STA.	LOCATION TO STA.	COLOR AND TYPE OF LINE	WIDTH (IN)	LENGTH (LF)	ITEM 685.1106--25 (WHITE)	ITEM 685.1206--25 (YELLOW)	ITEM 685.1102 (WHITE)
INTERCHANGE 2 SB ON-RAMP (RAMP E)							
E 0+60	E 6+40	SOLID YELLOW	6	594		594	
E 0+60	ML 60+44	SOLID WHITE	6	1672	1672		
E 6+40	ML 70+55	CHANNELIZING WHITE	12	98	196		
INTERCHANGE 2 SB OFF-RAMP (RAMP F)							
SB 83+64	F 5+94	SOLID WHITE	6	984	984		
ML 78+44	F 2+30	CHANNELIZING WHITE	12	106	212		
F 2+30	F 5+98	SOLID YELLOW	6	397		397	
ML 78+44	F 2+30	HATCHING	24	135	540		
INTERCHANGE 2 NB OFF-RAMP (RAMP G)							
ML 69+83	G 11+07	SOLID WHITE	6	1736	1736		
ML 77+58	G 3+64	CHANNELIZING WHITE	12	190	380		
G 3+64	G 10+69	SOLID YELLOW	6	710		710	
ML 77+58	G 3+64	HATCHING	24	264	1056		
-	-	STOP BAR	18	56			252
-	-	CROSSWALK-TYPE S	12	163			489
INTERCHANGE 2 NB ON-RAMP (RAMP H)							
H 0+85	H 10+66	SOLID YELLOW	6	979		979	
H 1+05	H 1+57	SOLID WHITE	6	52	52		
H 1+43	H 1+57	SOLID YELLOW	6	44		44	
H 1+75	ML 107+21	SOLID WHITE	6	1924	1924		
H 10+66	ML 98+50	CHANNELIZING WHITE	12	100	200		
-	-	CROSSWALK-TYPE S	12	129			387
INTERCHANGE 3 SB OFF-RAMP (RAMP J)							
ML 131+32	J 11+52	SOLID WHITE	6	1492	1492		
ML 125+90	J 3+31	CHANNELIZING WHITE	12	133	266		
ML 125+90	J 3+31	HATCHING	24	120	480		
J 3+31	J 11+52	SOLID YELLOW	6	836		836	
-	-	CROSSWALK-TYPE S	12	58			174
INTERCHANGE 3 NB ON-RAMP (RAMP K)							
K 1+02	ML 139+21	SOLID WHITE	6	1583	1583		
K 0+39	K 6+36	SOLID YELLOW	6	597		597	
K 6+36	ML 130+52	CHANNELIZING WHITE	12	167	334		
-	-	CROSSWALK-TYPE S	12	142			426
INTERCHANGE 4 SB ON-RAMP (RAMP L)							
L1 1+43	L1 6+95	SOLID WHITE	6	607	607		
L1 1+43	L1 6+95	SOLID YELLOW	6	572		572	
L 1+00	ML 156+05	SOLID WHITE	6	1055	1055		
L 1+00	ML 165.21	SOLID YELLOW	6	162		162	
ML 165+21	ML 164+46	CHANNELIZING WHITE	12	67	134		
INTERCHANGE 4 SB OFF-RAMP (RAMP M)							
ML 174+54	M 3+74	SOLID WHITE	6	918	918		
M 2+29	M 3+74	SOLID YELLOW	6	149		149	
ML 167+59	M 2+29	CHANNELIZING WHITE	12	84	168		
ML 167+59	M 2+29	HATCHING	24	103	412		
L1 6+95	L1 1+44	SOLID WHITE	6	535	535		
L1 6+95	L1 1+44	SOLID YELLOW	6	556		556	
-	-	STOP BAR	18	31			140
-	-	CROSSWALK-TYPE LS	12	97			1158

TABLE OF PROPOSED EPOXY PAVEMENT MARKINGS (RAMPS)

LOCATION FROM STA.	LOCATION TO STA.	COLOR AND TYPE OF LINE	WIDTH (IN)	LENGTH (LF)	ITEM 685.1106--25 (WHITE)	ITEM 685.1206--25 (YELLOW)	ITEM 685.1102 (WHITE)
INTERCHANGE 4 NB OFF-RAMP (RAMP N)							
NB 164+82	N 6+35	SOLID WHITE	6	1084	1084		
ML 170+88	N 2+73	CHANNELIZING WHITE	12	118	236		
ML 170+88	N 2+73	HATCHING	24	133	532		
N 2+73	N 6+35	SOLID YELLOW	6	387		387	
O1 5+11	O1 1+45	SOLID WHITE	6	347	347		
O1 5+11	O1 1+44	SOLID YELLOW	6	365		365	
-	-	STOP BAR	18	24			108
INTERCHANGE 4 NB ON-RAMP (RAMP O)							
O1 1+39	O1 5+11	SOLID WHITE	6	394	394		
O1 1+43	O1 5+11	SOLID YELLOW	6	371		371	
O 1+00	ML 185+88	SOLID WHITE	6	1412	1412		
O 1+00	O 5+00	SOLID YELLOW	6	412		412	
O 5+00	ML 176+64	CHANNELIZING WHITE	12	71	142		
-	-	CROSSWALK-TYPE LS	12	73			870
INTERCHANGE 5 NB OFF-RAMP (RAMP P)							
ML 198+80	P 7+39	SOLID WHITE	6	1244	1244		
ML 205+02	P 2+62	CHANNELIZING WHITE	12	137	274		
ML 205+02	P 2+62	HATCHING	24	180	720		
P 2+62	P 7+39	SOLID YELLOW	6	502		502	
Q1 2+70	Q1 1+33	SOLID WHITE	6	140	140		
Q1 2+70	Q1 1+29	SOLID YELLOW	6	139		139	
-	-	STOP BAR	18	31			140
INTERCHANGE 5 NB ON-RAMP (RAMP Q)							
Q1 1+17	Q1 2+91	SOLID WHITE	6	214	214		
Q1 1+29	Q1 2+91	SOLID YELLOW	6	162		162	
Q 0+80	Q 7+15	SOLID YELLOW	6	639		639	
Q 0+80	NB 220+63	SOLID WHITE	6	1558	1558		
Q 7+15	ML 212+65	CHANNELIZING WHITE	12	97	194		
-	-	CROSSWALK-TYPE S	12	173			519
INTERCHANGE 5 SB ON-RAMP (RAMP R)							
R1 1+47	R1 2+90	SOLID YELLOW	6	142		142	
R1 1+48	R1 2+90	SOLID WHITE	6	202	202		
R 1+00	ML 205+16	SOLID WHITE	6	1405	1405		
R 1+00	R 7+32	SOLID YELLOW	6	631		631	
R1 1+91	R1 1+31	SOLID WHITE	12	106	212		
R1 1+91	R1 1+43	SOLID WHITE	12	48	96		
R 7+32	ML 211+61	CHANNELIZING WHITE	12	99	198		
INTERCHANGE 5 SB OFF-RAMP (RAMP S)							
ML 225+07	S 7+87	SOLID WHITE	6	1139	1139		
ML 220+20	S 2+95	CHANNELIZING WHITE	12	149	298		
ML 220+20	S 2+95	HATCHING	24	171	684		
S 2+95	S 7+87	SOLID YELLOW	6	526		526	
R1 1+19	R1 2+90	SOLID WHITE	6	211	211		
R1 1+61	R1 1+38	SOLID WHITE	12	23	46		
R1 1+61	R1 1+10	SOLID WHITE	12	75	150		
R1 1+44	R1 2+90	SOLID YELLOW	6	153		153	
-	-	STOP BAR	18	42			189
-	-	CROSSWALK-TYPE LS	12	118			1410
SHEET TOTAL					30068	10025	6261
SUB TOTAL					36228	12903	6996
GRAND TOTAL					38448	12903	6996

ITEM	DESCRIPTION	UNITS
ITEM 685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
ITEM 685.1106--25	WHITE EPOXY REFECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF
ITEM 685.1206--25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: P THOMPSON
DRAFTED BY: N HOY
CHECKED BY: J KLEINMANN
CHECKED BY: J KLEINMANN

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JOSEPH W. KLEINMANN
LICENSED
EXCELSIOR
092577
PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2000 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: PAVEMENT MARKING TABLE

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: PMT-2

GENERAL NOTES

1. DESIGN SPECIFICATIONS: NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD DESIGN SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR OVERHEAD SIGN STRUCTURES, 2007 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AT 28 DAYS: f'c = 3,000 psi).
2. CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF JANUARY 2024.
3. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONALLY AND ARE FULLY DIMENSIONED.
4. ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.
5. NO KNOWN ASBESTOS CONTAINING MATERIALS ARE BELIEVED TO EXIST AND/OR THE WORK TO BE PERFORMED UNDER THIS CONTRACT DOES NOT REQUIRE THE DISTURBANCE, DESTRUCTION OR REMOVAL OF ANY OF THESE MATERIALS. IT IS THE EXPRESS INTENT OF THIS CONTRACT THAT THESE MATERIALS ARE NOT TO BE DISTURBED IN ANY WAY. SHOULD THE CONTRACTOR DISTURB OR ENCOUNTER ANY SUCH MATERIALS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE ENGINEER BEFORE PROCEEDING.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL FOR STRUCTURAL SHAPES, PLATES, AND BARS SHALL CONFORM TO ASTM A709, GRADE 50.
2. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 55 (HOT-DIP GALVANIZED).
3. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM F3125, GRADE A325 (TYPE 1, HOT-DIP GALVANIZED).
4. THE COST OF CLEANING THE STEEL IN THE FABRICATION SHOP AND THE FIELD SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SINGLE SPAN SIGN STRUCTURE ITEM.

GALVANIZING NOTES

1. ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH THE SINGLE SPAN SIGN STRUCTURE ITEM.
2. ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ITEM 644.11- ANCHOR BOLTS.
3. REINFORCING STEEL BARS SHALL BE GALVANIZED AND FABRICATED IN ACCORDANCE WITH ASTM A767, AND MEET THE REQUIREMENTS OF NYSDOT MATERIAL SPECIFICATION 709-11.
4. HIGH STRENGTH BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE SINGLE SPAN SIGN STRUCTURE ITEM.
5. DRILLED HOLES SHALL BE CLEANED OF ALL EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF THE BOLTS.

STEEL ERECTION NOTES

1. THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN SECTION 2, SUBSECTION 204 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). THE MEANS AND METHODS USED BY THE CONTRACTOR SHALL BE DOCUMENTED ON THE ERECTION DRAWINGS AND INCLUDED IN THE SUPPORTING STABILITY CALCULATIONS. THE ERECTION DRAWINGS AND STABILITY CALCULATIONS SHALL BE SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE SCM.

REMOVAL NOTE

1. RECORD PLANS FOR THE EXISTING OVERHEAD SIGN STRUCTURES WILL BE SUPPLIED TO THE CONTRACTOR IF AVAILABLE.
2. EXISTING FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE. RESTORATION OF THE AREA AROUND SIGNS TO BE REMOVED, WHERE NO OTHER WORK IS PROPOSED, SHALL BE INCLUDED IN THE PRICE BID FOR SIGN REMOVAL. THE AREA SHALL BE RESTORED SIMILAR TO THE SURROUNDING AREAS, AOBE.
3. THE CONTRACTOR SHALL NOT REMOVE THE EXISTING OVERHEAD SIGN STRUCTURES UNTIL THE PROPOSED STRUCTURES ARE INSTALLED TO THE SATISFACTION OF THE AUTHORITY.

RECONSTRUCTION NOTES

1. THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO THE FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SIGN STRUCTURE ITEMS.
2. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
3. WHEN ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
4. DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.

TEST PITS

1. WHERE SHOWN, OR WHERE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PERFORM A TEST PIT (ITEM 206.05) TO CONFIRM THE SUITABILITY OF THE PROPOSED SHAFT LOCATION WITH REGARD TO AVOIDING UTILITIES. THE TEST PITS SHALL BE EXCAVATED TO THE MINIMUM DEPTH NECESSARY TO REVEAL POTENTIAL UTILITY CONFLICTS AS IT IS DESIRED TO LEAVE THE SOIL AT THESE LOCATIONS AS UNDISTURBED AS POSSIBLE FOR THE SHAFT INSTALLATION. TEST PITS SHALL BE PERFORMED PRIOR TO SHOP DRAWING SUBMISSION AND PRIOR TO FABRICATION OF THE OVERHEAD SIGN STRUCTURES.
2. THE CONTRACTOR SHALL ONLY BE PAID ONCE PER LOCATION SHOWN IN THE EVENT WHERE MULTIPLE ATTEMPTS ARE REQUIRED TO LOCATE THE UNDERGROUND FACILITY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. LOCATIONS SHOWN ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILITY TO REQUEST STAKE-OUT AND TO VERIFY ALL UNDERGROUND FACILITIES WITHIN THE LIMITS OF THE PROPOSED WORK.
4. MISCELLANEOUS TEST PITS SHALL BE COMPLETED, AS APPROVED BY THE ENGINEER, IN ORDER TO DETERMINE LOCATIONS OF EXISTING UNDERGROUND FACILITIES WHERE STAKE-OUT SHOWS A POTENTIAL CONFLICT WITH THE PROPOSED WORK.

TEST PIT LOCATION TABLE

LOCATION	STRUCTURE TYPE	ITEM 206.05 (EACH)
MP 900.38	SPAN	2
MP 900.95	SPAN	4
MP 901.41	SPAN	3
MP 904.16	SPAN	2
SEE NOTE 4		4
	TOTAL	15

DRAWING INDEX - OVERHEAD SIGN STRUCTURES

SHEET NO.	DESCRIPTION	DRAWING NO.
345	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - GENERAL NOTES	OSN-01
346	OVERHEAD SIGN STRUCTURES - CANTILEVER STRUCTURES - GENERAL NOTES	OSN-02
347	OVERHEAD SIGN STRUCTURES - LOCATION MAP	OSM-01
348	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 900.38	OSP-01
349	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 900.38	OSP-02
350	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 900.95	OSP-03
351	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 900.95	OSP-04
352	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 901.41	OSP-05
353	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 901.41	OSP-06
354	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 902.19	OSP-07
355	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 902.19	OSP-08
356	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 902.33	OSP-09
357	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 902.33	OSP-10
358	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 902.69	OSP-11
359	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 902.69	OSP-12
360	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 903.13	OSP-13
361	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 903.13	OSP-14
362	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 903.19	OSP-15
363	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 903.19	OSP-16
364	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 903.51	OSP-17
365	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 903.51	OSP-18
366	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 903.81	OSP-19
367	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 903.81	OSP-20
368	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 904.11	OSP-21
369	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 904.11	OSP-22
370	OVERHEAD SIGN STRUCTURES - GENERAL PLAN - LOCATION MP 904.16	OSP-23
371	OVERHEAD SIGN STRUCTURES - ELEVATION - LOCATION MP 904.16	OSP-24
372	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES	OSD-01
373	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - SELECTION TABLE	OSD-02
374	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - FOUNDATION DETAILS	OSD-03
375	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - POST DETAILS (SHEET 1 OF 2)	OSD-04
376	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - POST DETAILS (SHEET 2 OF 2)	OSD-05
377	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - TRUSS DETAILS (SHEET 1 OF 2)	OSD-06
378	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - TRUSS DETAILS (SHEET 2 OF 2)	OSD-07
379	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - BASE AND CAP DETAILS	OSD-08
380	OVERHEAD SIGN STRUCTURES - SPAN STRUCTURES - SIGN PANEL ATTACHMENT DETAILS	OSD-09
381	OVERHEAD SIGN STRUCTURES - CANTILEVER STRUCTURES - MISC. DETAILS (SHEET 1 OF 4)	OSD-10
382	OVERHEAD SIGN STRUCTURES - CANTILEVER STRUCTURES - MISC. DETAILS (SHEET 2 OF 4)	OSD-11
383	OVERHEAD SIGN STRUCTURES - CANTILEVER STRUCTURES - MISC. DETAILS (SHEET 3 OF 4)	OSD-12
384	OVERHEAD SIGN STRUCTURES - CANTILEVER STRUCTURES - MISC. DETAILS (SHEET 4 OF 4)	OSD-13
385	OVERHEAD SIGN STRUCTURES - BARRIER DETAILS - LOCATION MP 900.38 (SHEET 1 OF 3)	OSD-14
386	OVERHEAD SIGN STRUCTURES - BARRIER DETAILS - LOCATION MP 900.38 (SHEET 2 OF 3)	OSD-15
387	OVERHEAD SIGN STRUCTURES - BARRIER DETAILS - LOCATION MP 900.38 (SHEET 3 OF 3)	OSD-16
388	BRIDGE MOUNTED SIGN - REMOVAL DETAILS - BIN 5512290	OSD-17

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD
CHECKED BY: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES SPAN STRUCTURES GENERAL NOTES
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSN-01

GENERAL NOTES

1. PROVIDE 3-INCH CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT AS NOTED.
2. DO NOT WELD REINFORCING STEEL BARS.
3. RAKE-FINISH ALL HORIZONTAL CONSTRUCTION JOINTS, EXCEPT AS INDICATED.
4. VERIFY ALL DIMENSIONS AND GEOMETRY OF THE EXISTING STRUCTURES IN THE FIELD AS NECESSARY FOR PROPER FIT OF THE PROPOSED CONSTRUCTION.
5. CHAMFER EXPOSED CONCRETE EDGES 1 INCH BY 1 INCH.
6. ALL DIMENSIONS SHOWN ARE HORIZONTAL, EXCEPT AS NOTED.
7. DIMENSIONS ARE BASED ON A NORMAL TEMPERATURE OF 68 DEGREES F.
8. PIPE DIAMETERS SHOWN IN THE DESIGN TABLES ARE OUTSIDE DIAMETERS.
9. USE STANDARD SIZE HOLE. THE STANDARD HOLE DIAMETER FOR BOLTS SMALLER THAN 1" DIAMETER SHALL BE THE NOMINAL DIAMETER OF THE BOLT PLUS 1/16". FOR BOLTS 1" DIAMETER AND LARGER, THE WIDTH OF EACH STANDARD HOLE SHALL BE THE NOMINAL DIAMETER OF THE BOLT PLUS 1/8".
10. CLEAR DISTANCE BETWEEN BOLT HOLES OR BETWEEN THE BOLT HOLE AND THE END OF THE MEMBER IN THE DIRECTION OF THE APPLIED BEARING FORCE SHALL BE CHECKED.
11. PROVIDE ANCHOR BOLT HOLES 1/4" LARGER THAN BOLT DIAMETER.
12. PROVIDE A MINIMUM ANCHOR BOLT EMBEDMENT LENGTH OF 20 ANCHOR BOLT DIAMETERS.
13. PROVIDE DOUBLE NUTS AND WASHER FOR EACH ANCHOR BOLT.
14. STEEL MEMBER COMPONENTS REQUIRING CHARPY V-NOTCH TESTING ARE DESIGNATED ON THE PLANS BY (CVN), PROVIDE STEEL CONFORMING TO THE CVN REQUIREMENTS FOR ZONE 2, NON FRACTURE CRITICAL AS GIVEN IN THE AASHTO MATERIAL SPECIFICATIONS.

MATERIAL

1. PROVIDE MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION DESIGN SPECIFICATIONS FOR OVERHEAD STRUCTURES, STANDARD SPECIFICATIONS SECTION 644, THE NYS STEEL CONSTRUCTION MANUAL, THE AASHTO/AWS/D1.5M/D1.5:2002 BRIDGE WELDING CODE, AND THE CONTRACT SPECIAL PROVISIONS. USE ANSI/AWS/D1.1/D1.1M-2002 FOR WELDING NOT COVERED IN AASHTO/AWS/D1.5M/D1.5:2002.
2. PROVIDE STRUCTURAL STEEL CONFORMING TO ASTM A709, GRADE 36 DESIGNATION EXCEPT WHEN NOTED OTHERWISE.
3. PROVIDE WELDED OR SEAMLESS STEEL PIPE CONFORMING TO NYSDOT STANDARD SPECIFICATIONS SECTION 644-2.01 SUBPART A, Fy = 35 ksi WITH CVN TESTING ZONE 2 FOR PIPE WITH WALL THICKNESS GREATER THAN 1/2".
4. PROVIDE HIGH-STRENGTH STEEL BOLTS CONFORMING TO ASTM A325. MECHANICALLY GALVANIZE ALL BOLTS (EXCEPT ANCHOR BOLTS), NUTS AND WASHERS. PROVIDE U-BOLTS CONFORMING TO ASTM A449. PROVIDE ANCHOR BOLTS CONFORMING TO ASTM F1554, GRADE 55.
5. THE CONCRETE FOR ALL OVERHEAD SIGN STRUCTURE FOUNDATIONS SHALL BE PERFORMANCE ENGINEERED MIXTURE (PEM) PORTLAND CEMENT CONCRETE THAT MEETS THE APPROPRIATE MIX DESIGN REQUIREMENTS SPECIFIED IN TABLE 2 OF MATERIALS PROCEDURE (MP) 501-2.
6. ALL REINFORCING STEEL BARS SHALL BE ASTM A615 GRADE 60. BARS SHALL BE GALVANIZED AND FABRICATED IN ACCORDANCE WITH ASTM A767, AND MEET THE REQUIREMENTS OF NYSDOT MATERIAL SPECIFICATION 709-11.

FABRICATION

1. CONSTRUCT SIGN STRUCTURES TRUE TO DIMENSION, FREE FROM KINKS, TWISTS OR BENDS, AND UNIFORM IN APPEARANCE. ASSEMBLE COMPLETED SECTIONS IN THE SHOP AND CHECK FOR STRAIGHTNESS, ALIGNMENT, DIMENSION, AND THE FIRM SEATING OF THE SPLICE PLATES. CORRECT ANY VARIATIONS TO THE SATISFACTION OF THE ENGINEER.
2. FORM MASTS FOR SIGN STRUCTURES TO THE RADII SHOWN ON THE PLANS IN ACCORDANCE WITH THE TUBE AND PIPE ASSOCIATION INTERNATIONAL RECOMMENDED STANDARDS FOR INDUCTION BENDING OF PIPE AND TUBE (TPA-IBS-98).
3. AFFIX CLIPS, EYES, OR REMOVABLE BRACKETS TO ALL MASTS AND MAST ARMS, AS NECESSARY, TO SECURE THE SIGN STRUCTURE DURING SHIPPING AND FOR LIFTING AND MOVING DURING ERECTION. THIS IS TO PREVENT DAMAGE TO THE FINISHED GALVANIZED OR PAINTED SURFACES. REMOVE BRACKETS ON SIGN STRUCTURES AFTER ERECTION. INCLUDE DETAILS OF SUCH DEVICES ON THE SHOP DRAWINGS.
4. FABRICATE ALL SIGN STRUCTURES INTO THE LARGEST PRACTICAL SECTIONS PRIOR TO GALVANIZING. SUBMIT SPLICE LOCATIONS TO THE ENGINEER FOR APPROVAL. DO NOT COMMENCE FABRICATION UNTIL SUCH SPLICE LOCATIONS ARE APPROVED.
5. GRIND ALL AREAS TO BE WELDED TO BRIGHT METAL. BUTT WELD SPLICES ARE NOT PERMITTED, UNLESS SHOWN ON THE PLANS. COMPLETE ALL WELDING AND REQUIRED TESTING BEFORE ANY MATERIAL IS GALVANIZED. NON-DESTRUCTIVELY TEST ALL CIRCUMFERENTIAL AND STIFFENER WELDS USING THE METHODS AND PROCEDURES IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL SECTIONS 17 & 18 ULTRASONIC INSPECTION AND MAGNETIC PARTICLE INSPECTION, RESPECTIVELY. PROVIDE FULL PENETRATION GROOVE WELDS FOR ALL LONGITUDINAL WELDS WITHIN 6" OF A FULL PENETRATION CIRCUMFERENTIAL GROOVE WELD AND INSPECT AS SPECIFIED ABOVE. PROVIDE MAXIMUM WELD UNDERCUT OF 0.01".
6. HOT-DIP GALVANIZE ALL COMPONENTS (EXCEPT ALUMINUM AND NON-FERROUS INCIDENTALS) AFTER FABRICATION PER ASTM A123 OR ASTM A153, AS APPROPRIATE.

CONSTRUCTION

1. USE TEMPLATES TO ACCURATELY SET BASE PLATE ANCHOR BOLTS TO CORRECT ELEVATION AND ALIGNMENT. SECURELY BRACE ANCHOR BOLTS AGAINST DISPLACEMENT BEFORE DRILLED SHAFT CONCRETE IS PLACED AND DURING CONCRETE CURING.
2. ERECT SIGN STRUCTURE ONLY AFTER DRILLED SHAFT CONCRETE MEETS 7 DAY STRENGTH REQUIREMENTS.
3. TEMPORARILY SUPPORT MAST ARMS TO RELIEVE LOAD FROM THE SPLICES WHILE HIGH-STRENGTH BOLTS ARE BEING TIGHTENED IN ORDER TO FIRMLY SEAT THE CONNECTION PLATES.
4. PRIOR TO ERECTION, DEMONSTRATE TO THE ENGINEER BY PREASSEMBLY OR OTHER APPROVED METHOD THAT FRAME STRUCTURE LENGTH IN A NO-LOAD CONDITION MATCHES FIELD MEASURED DRILLED SHAFT SPACING WITHIN 1/2".

NOTES TO FABRICATOR

1. DESIGN COMPUTATIONS ARE REQUIRED FOR ANY PORTION OF A STRUCTURE FOR WHICH THE INFORMATION IS NOT TAKEN DIRECTLY FROM THE CONTRACT DRAWINGS OR THE DETAILS CONTAINED IN THIS STANDARD.
2. USE A MINIMUM OF 2" THICKNESS FOR ALL SPLICE PLATES TO PREVENT DISTORTION DURING WELDING.

DESIGN

1. SPECIFICATIONS: "AASHTO 4TH EDITION STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" (2001 WITH INTERIMS THROUGH 2006) AND "AASHTO 17TH EDITION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" (2002).
2. WIND LOADS ARE BASED ON 90 MPH (3 SECOND GUST) BASIC WIND SPEED.
3. CANTILEVER DRILLED SHAFT FOUNDATIONS ARE BASED ON A MAXIMUM 1/2" LATERAL DEFLECTION AT TOP OF DRILLED SHAFT.
4. DESIGN TABLE MEMBER SIZES ARE ADEQUATE FOR FATIGUE CATEGORY 1.

TEST PITS

1. WHERE SHOWN, OR WHERE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PERFORM A TEST PIT (ITEM 206.05) TO CONFIRM THE SUITABILITY OF THE PROPOSED SHAFT LOCATION WITH REGARD TO AVOIDING UTILITIES. THE TEST PITS SHALL BE EXCAVATED TO THE MINIMUM DEPTH NECESSARY TO REVEAL POTENTIAL UTILITY CONFLICTS AS IT IS DESIRED TO LEAVE THE SOIL AT THESE LOCATIONS AS UNDISTURBED AS POSSIBLE FOR THE SHAFT INSTALLATION. TEST PITS SHALL BE PERFORMED PRIOR TO SHOP DRAWING SUBMISSION AND PRIOR TO FABRICATION OF THE OVERHEAD SIGN STRUCTURES.
2. THE CONTRACTOR SHALL ONLY BE PAID ONCE PER LOCATION SHOWN IN THE EVENT WHERE MULTIPLE ATTEMPTS ARE REQUIRED TO LOCATE THE UNDERGROUND FACILITY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. LOCATIONS SHOWN ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILITY TO REQUEST STAKE-OUT AND TO VERIFY ALL UNDERGROUND FACILITIES WITHIN THE LIMITS OF THE PROPOSED WORK.
4. MISCELLANEOUS TEST PITS SHALL BE COMPLETED, AS APPROVED BY THE ENGINEER, IN ORDER TO DETERMINE LOCATIONS OF EXISTING UNDERGROUND FACILITIES WHERE STAKE-OUT SHOWS A POTENTIAL CONFLICT WITH THE PROPOSED WORK.

TEST PIT LOCATION TABLE

LOCATION	STRUCTURE TYPE	ITEM 206.05 (EACH)
MP 903.81	CANTILEVER	1
MP 904.11	CANTILEVER	1
SEE NOTE 4		2
	TOTAL	4

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. BEDFORD
CHECKED BY: M. BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

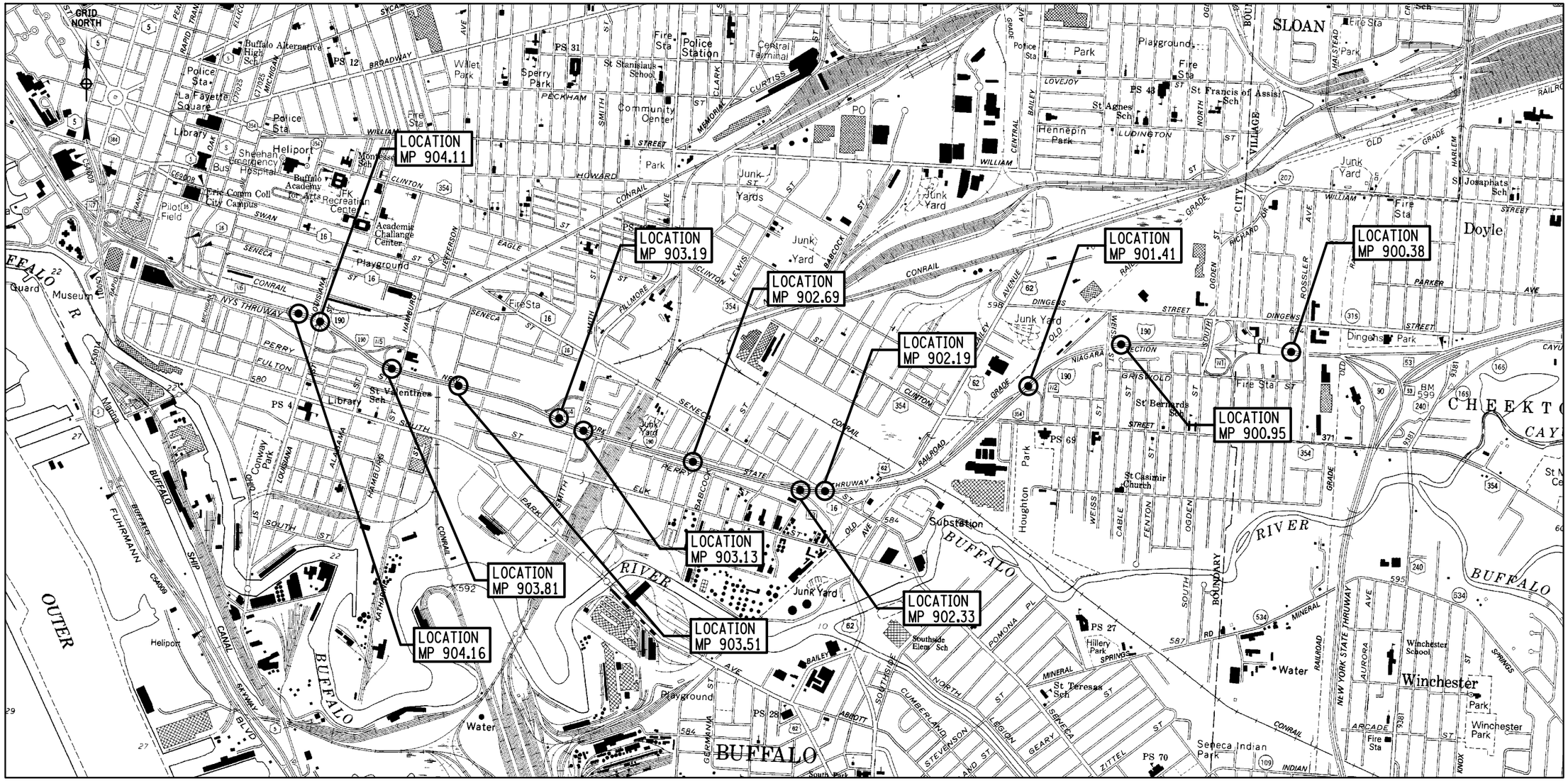
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES CANTILEVER STRUCTURES GENERAL NOTES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: OSN-02



LOCATION MAP
NOT TO SCALE

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

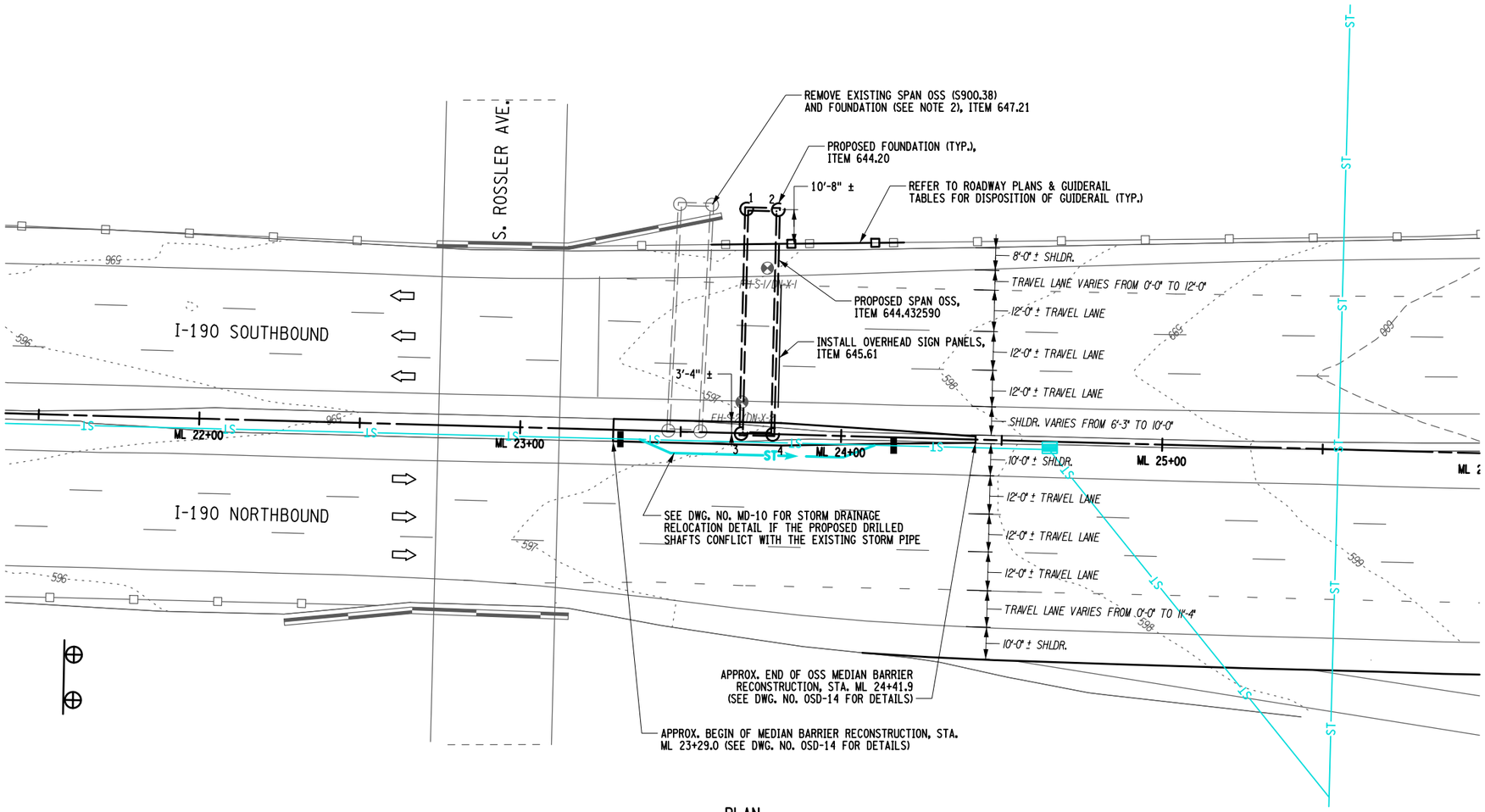
PDG POPLI DESIGN GROUP

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES LOCATION MAP
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSM-01

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. BEDFORD
CHECKED BY: M. BEDFORD

DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
DESIGN SUPERVISOR: M. BEDFORD
CHECKED BY: S. LOFORTE

GRID NORTH



PLAN
LOCATION MP 900.38
1" = 40'-0"

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1047944.891 E = 1091508.500
2	N = 1047945.146 E = 1091498.670
3	N = 1048014.868 E = 1091510.315
4	N = 1048015.122 E = 1091500.485

NOTES:

1. THE EXISTING SPAN OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING SPAN OSS, THE EXISTING FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

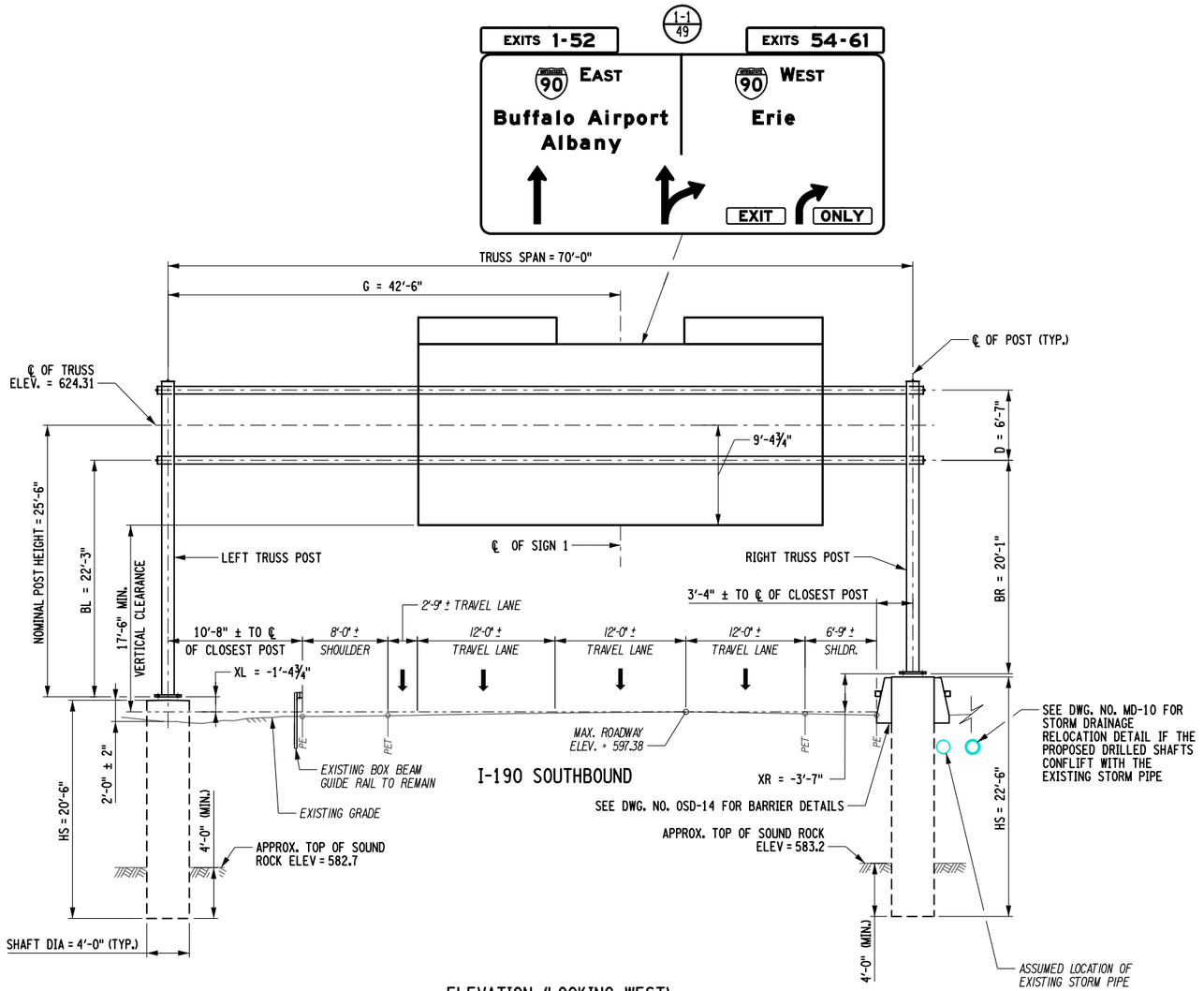
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 900.38	DRAWING NUMBER: OSP-01

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: Q. WANG
CHECKED BY: Q. WANG



ELEVATION (LOOKING WEST)
LOCATION MP 900.38
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.
2. SPAN TRUSS DIAGONALS, CROSS BRACING AND SPLICES NOT SHOWN FOR CLARITY.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

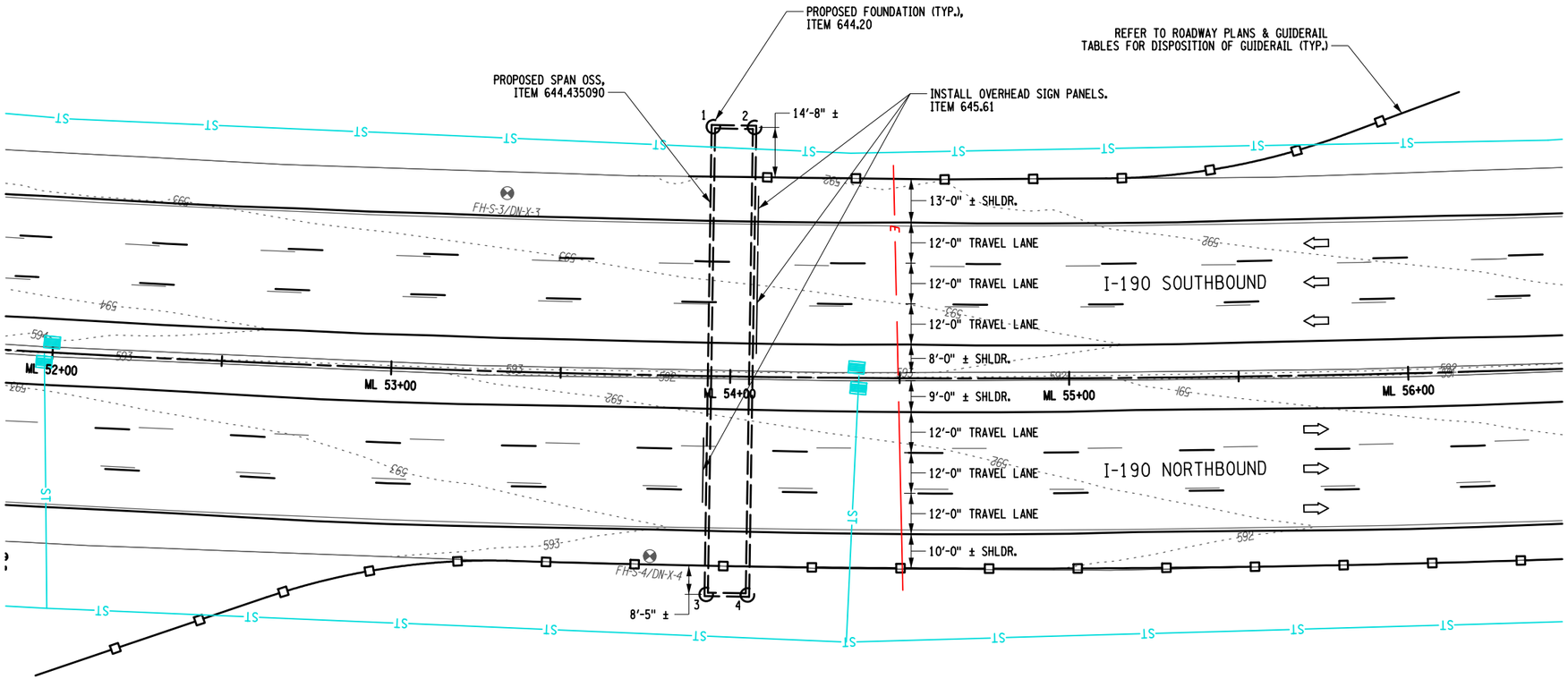
PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 900.38
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-02

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: M. OZOG
CHECKED BY: M. OZOG

GRID NORTH

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1047993.249 E = 1088492.008
2	N = 1047992.325 E = 1088479.877
3	N = 1048130.850 E = 1088481.532
4	N = 1048129.927 E = 1088469.400



PLAN
LOCATION MP 900.95
1" = 40'-0"

20 0 20 40
1" = 40'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

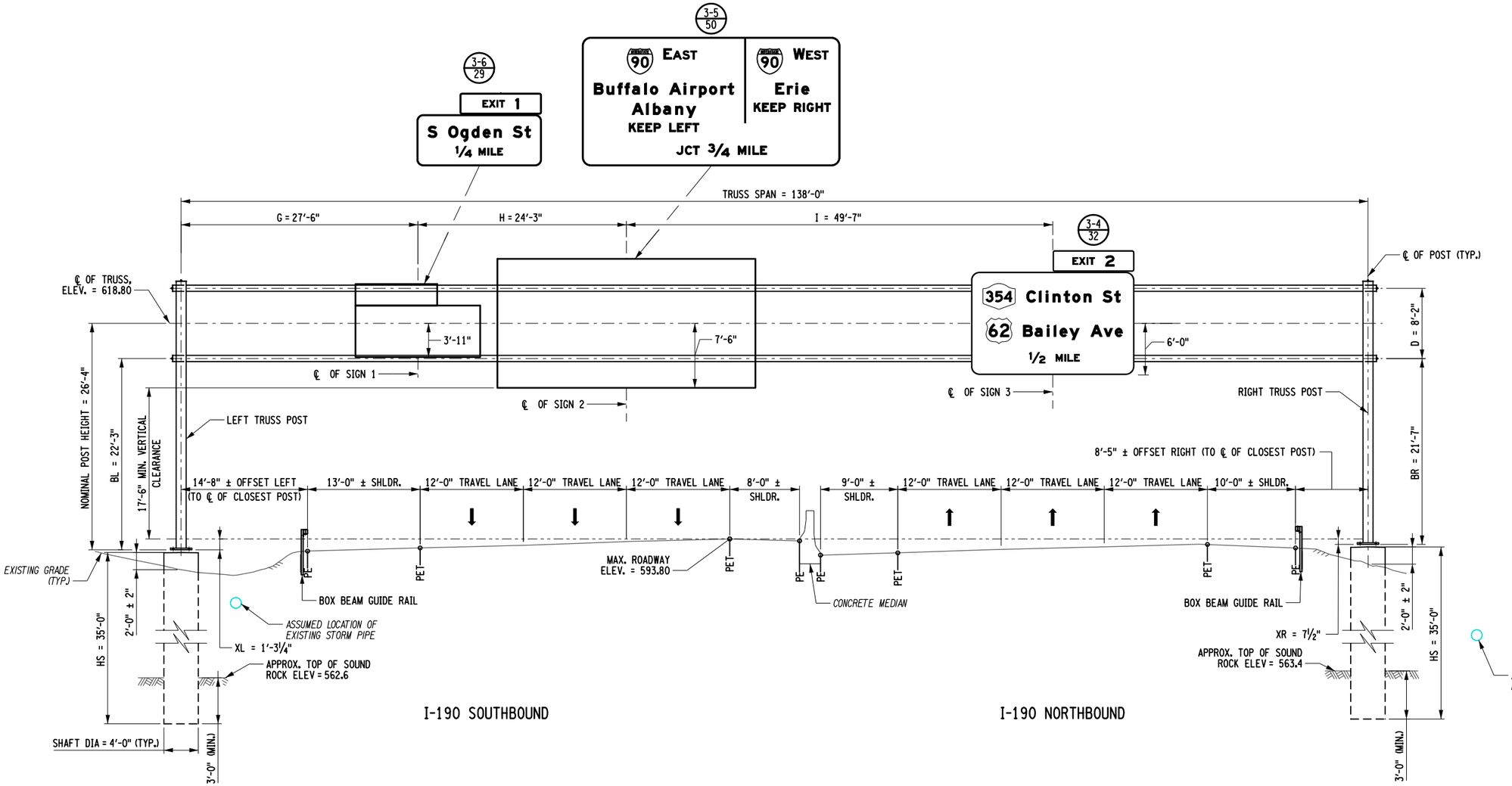
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 900.95	DRAWING NUMBER: OSP-03

DRAFTED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGNED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M.BEDFORD



ELEVATION (LOOKING WEST)
LOCATION MP 900.95
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.
2. SPAN TRUSS DIAGONALS, CROSS BRACING AND SPLICES NOT SHOWN FOR CLARITY.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

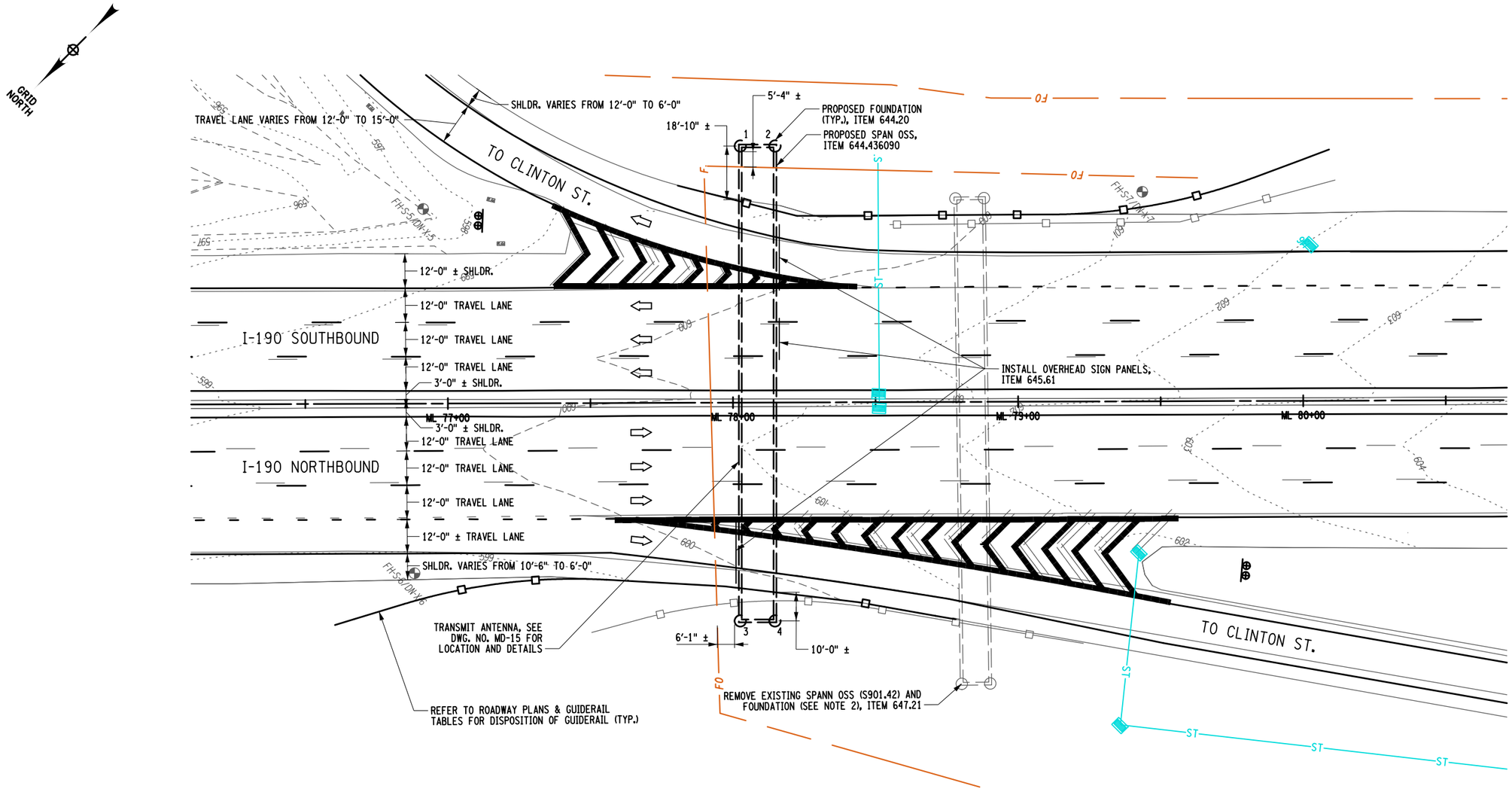
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Poppi Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 900.95	DRAWING NUMBER: OSP-04

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1047009.259 E = 1086438.049
2	N = 1047000.665 E = 1086429.438
3	N = 1047127.109 E = 1086320.433
4	N = 1047118.514 E = 1086311.821



PLAN
LOCATION MP 901.41
1" = 40'-0"

NOTES:

1. THE EXISTING SPAN OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING SPAN OSS, THE EXISTING FOUNDATION SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
CHECKED BY: S. LOFORTE

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

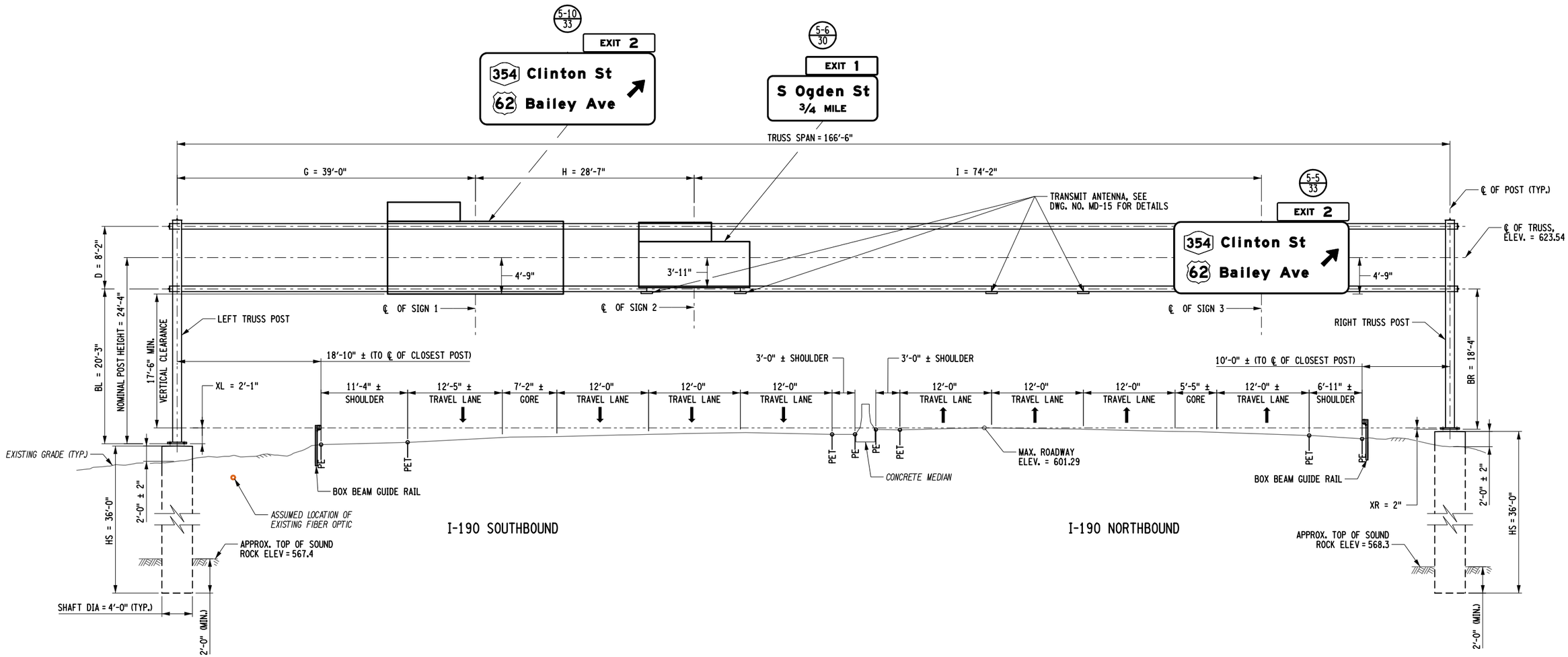
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION 901.41	DRAWING NUMBER: OSP-05

DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
CHECKED BY: S. LOFORTE
DESIGN SUPERVISOR: M. BEDFORD



I-190 SOUTHBOUND

I-190 NORTHBOUND

ELEVATION (LOOKING WEST)
LOCATION MP 901.41
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.
2. SPAN TRUSS DIAGONALS, CROSS BRACING AND SPLICES NOT SHOWN FOR CLARITY.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

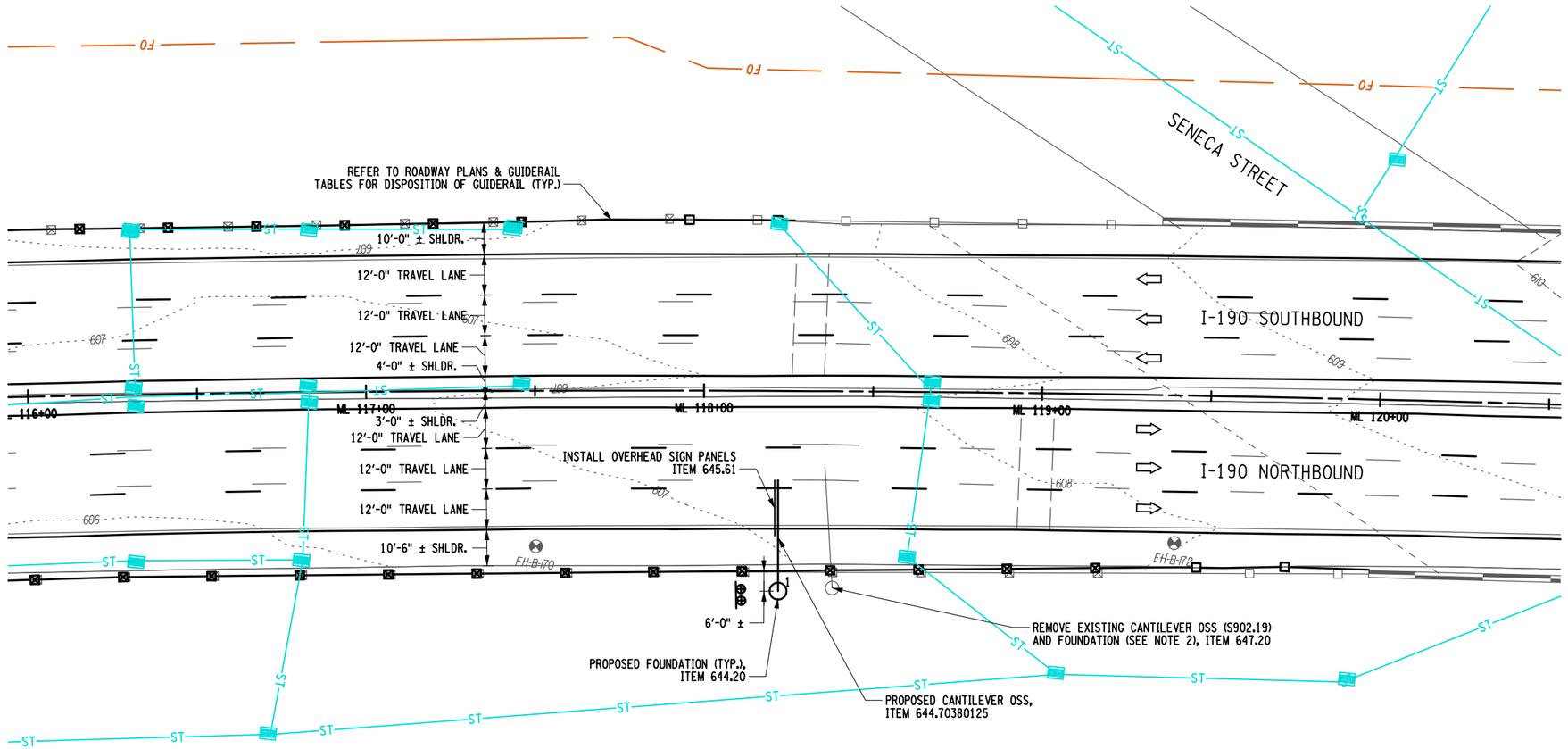
NEW YORK STATE Thruway Authority

PDG Poeli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 901.41
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-06

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1045135.026 E = 1083044.720

GRID NORTH



PLAN
LOCATION MP 902.19
1" = 40'-0"

NOTES:

1. THE EXISTING CANTILEVER OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING CANTILEVER OSS, THE EXISTING FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
CHECKED BY: S. LOFORTE

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

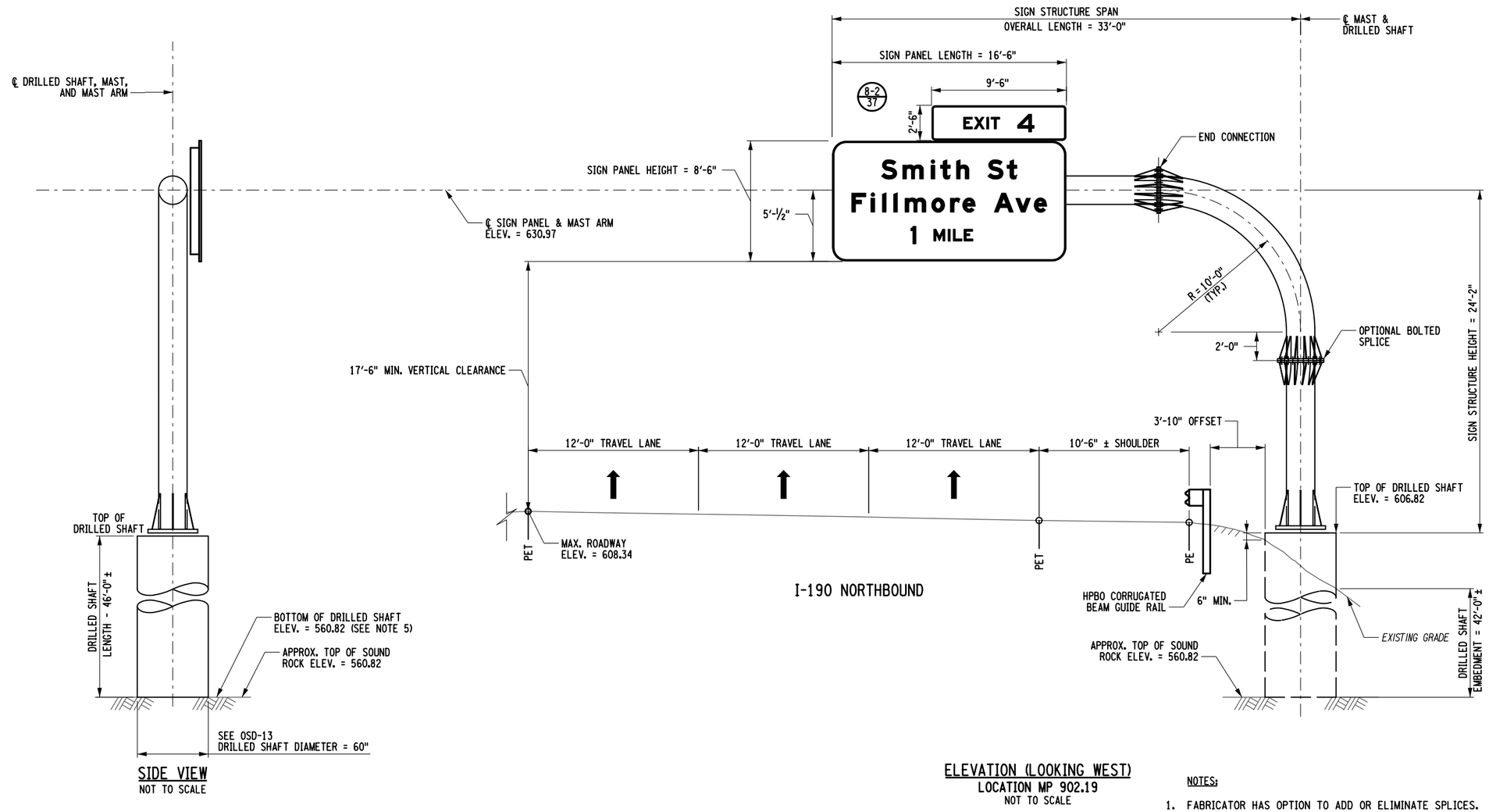
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 902.19
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-07

DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
DESIGNED BY: M. OZOG
CHECKED BY: S. LOFORTE
DESIGN SUPERVISOR: M. BEDFORD



SIDE VIEW
NOT TO SCALE

ELEVATION (LOOKING WEST)
LOCATION MP 902.19
NOT TO SCALE

NOTES:

1. FABRICATOR HAS OPTION TO ADD OR ELIMINATE SPLICES.
2. PAYMENT FOR THE SIGN STRUCTURE SHALL BE MADE UNDER ITEM 644.70380125 - MONOPIPE OVERHEAD CANTILEVER SIGN STRUCTURE. PAYMENT FOR THE DRILLED SHAFT SHALL BE MADE UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD STRUCTURE. ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE PAID FOR UNDER ITEM 644.11.
3. FOR CANTILEVER SIGN STRUCTURE DETAILS, SEE DWG. NO. OSD-10.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION OF THE PROPOSED STRUCTURE.
5. BOTTOM OF DRILLED SHAFT TO BEAR ON TOP OF SOUND ROCK. SEE DWG. NO. OSD-13 FOR ADDITIONAL NOTES.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

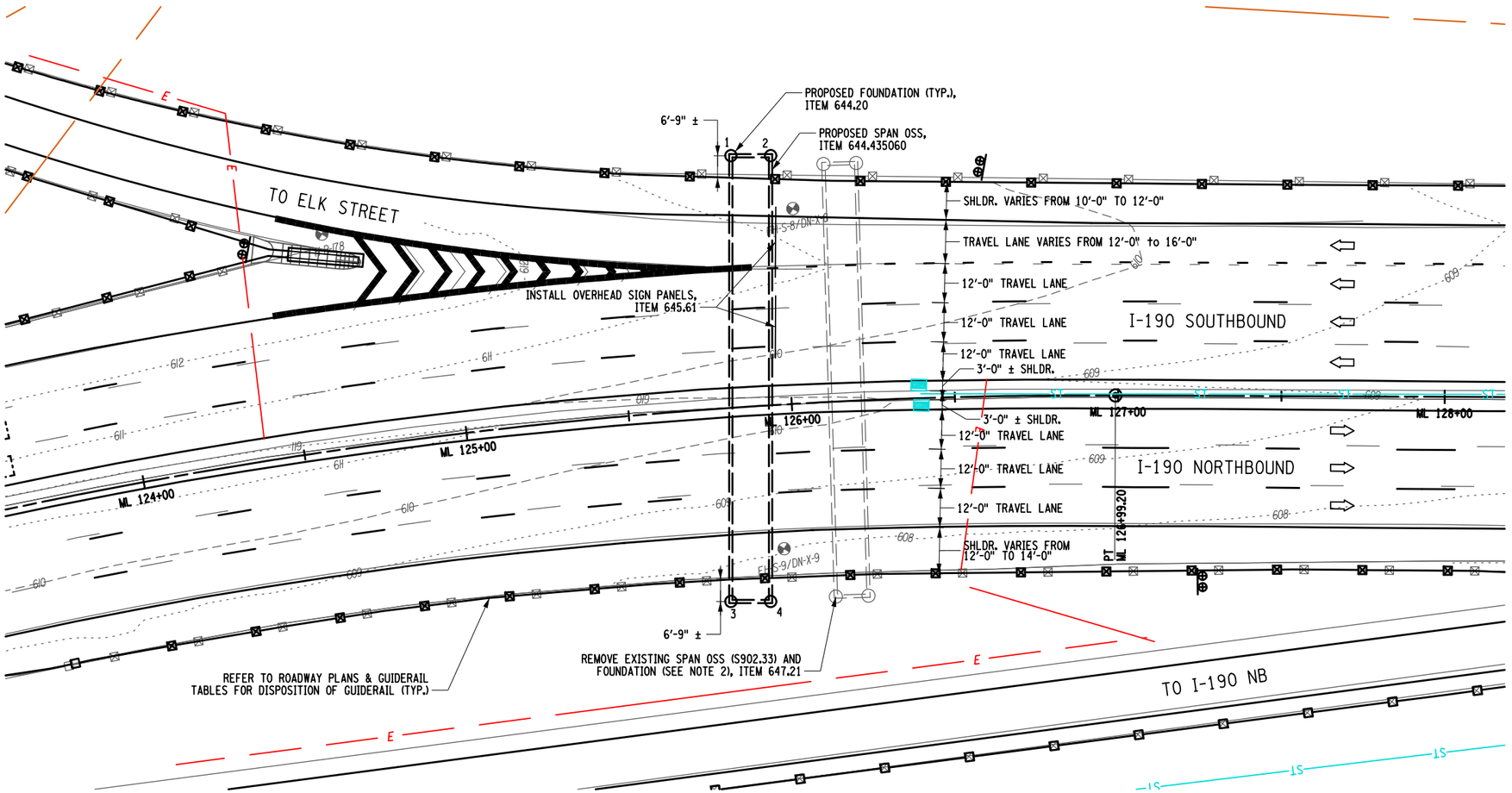
NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 902.19
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-08

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
CHECKED BY: S. LOFORTE

GRID NORTH



PLAN
LOCATION MP 902.33
1" = 40'-0"

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1044987.263 E = 1082276.334
2	N = 1044990.072 E = 1082264.496
3	N = 1045120.076 E = 1082307.845
4	N = 1045122.885 E = 1082296.007

NOTES:

1. THE EXISTING SPAN OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING SPAN OSS, THE EXISTING FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

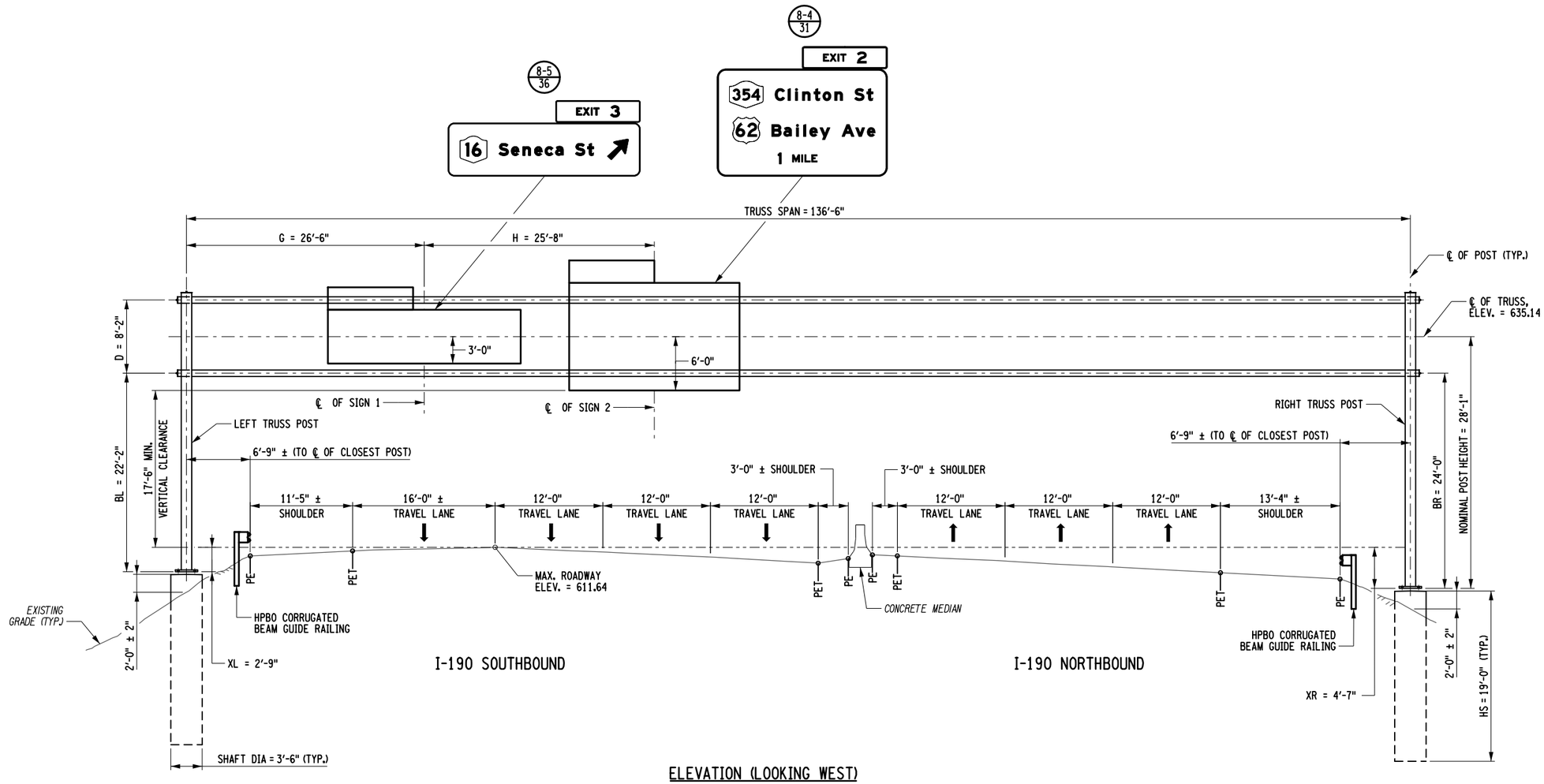
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 902.33	DRAWING NUMBER: OSP-09



ELEVATION (LOOKING WEST)
LOCATION MP 902.33
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.
2. SPAN TRUSS DIAGONALS, CROSS BRACING AND SPLICES NOT SHOWN FOR CLARITY.

DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
DESIGN SUPERVISOR: M. BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

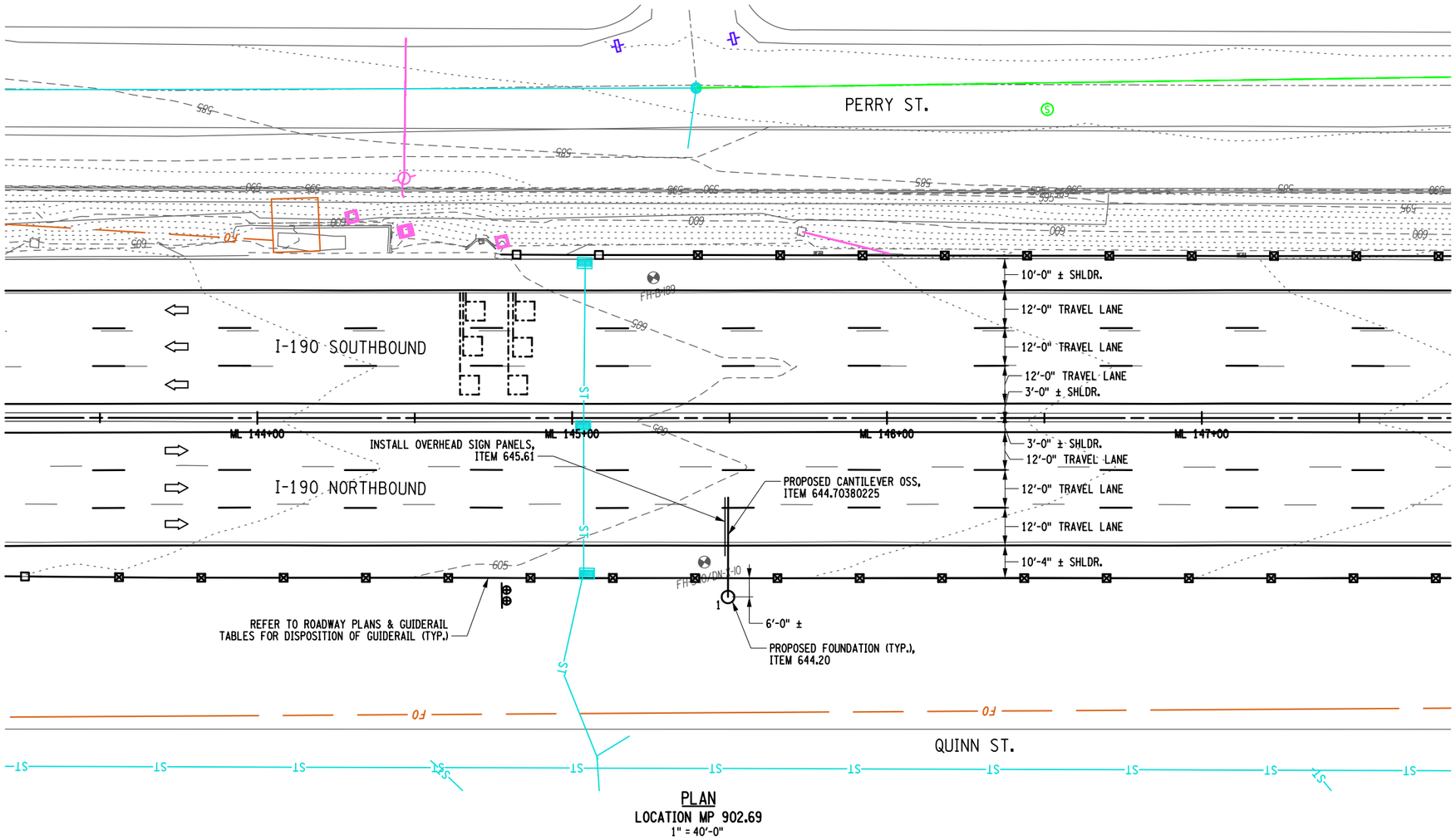
NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 902.33
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-10

GRID NORTH

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1045576.327 E = 1080393.656



PLAN
LOCATION MP 902.69
1" = 40'-0"

20 0 20 40
1" = 40'-0"

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.OZOG
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

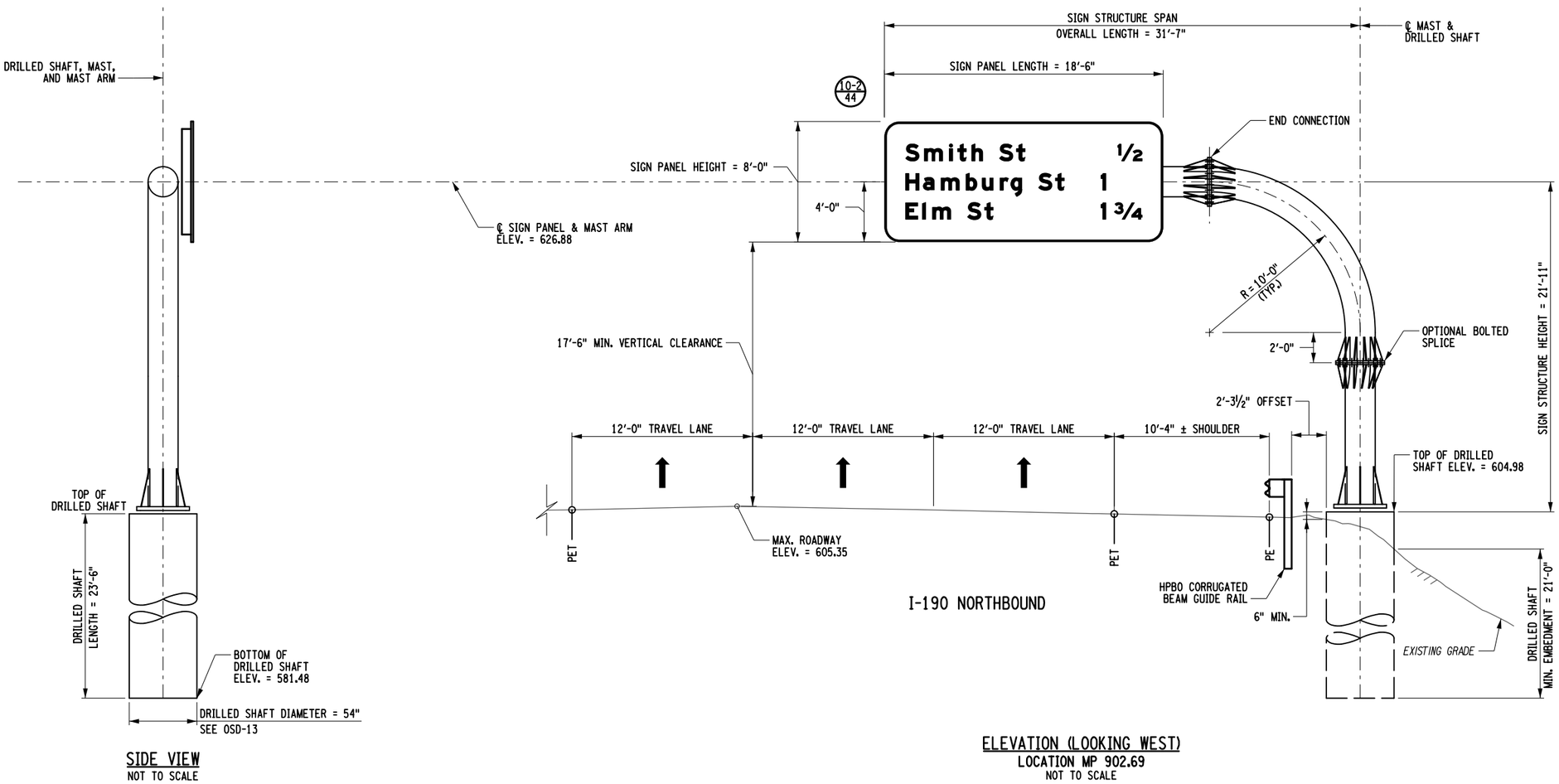
NEW YORK STATE Thruway Authority

PDG Poeli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 902.69	DRAWING NUMBER: OSP-11

DRAFTED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGNED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M. BEDFORD

SIDE VIEW
NOT TO SCALE



I-190 NORTHBOUND

ELEVATION (LOOKING WEST)
LOCATION MP 902.69
NOT TO SCALE

NOTES:

1. FABRICATOR HAS OPTION TO ADD OR ELIMINATE SPLICES.
2. PAYMENT FOR THE SIGN STRUCTURE SHALL BE MADE UNDER ITEM 644.70380225 - MONOPIPE OVERHEAD CANTILEVER SIGN STRUCTURE. PAYMENT FOR THE DRILLED SHAFT SHALL BE MADE UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD STRUCTURE. ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE PAID FOR UNDER ITEM 644.11.
3. FOR CANTILEVER SIGN STRUCTURE DETAILS, SEE DWG. NO. OSD-10.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

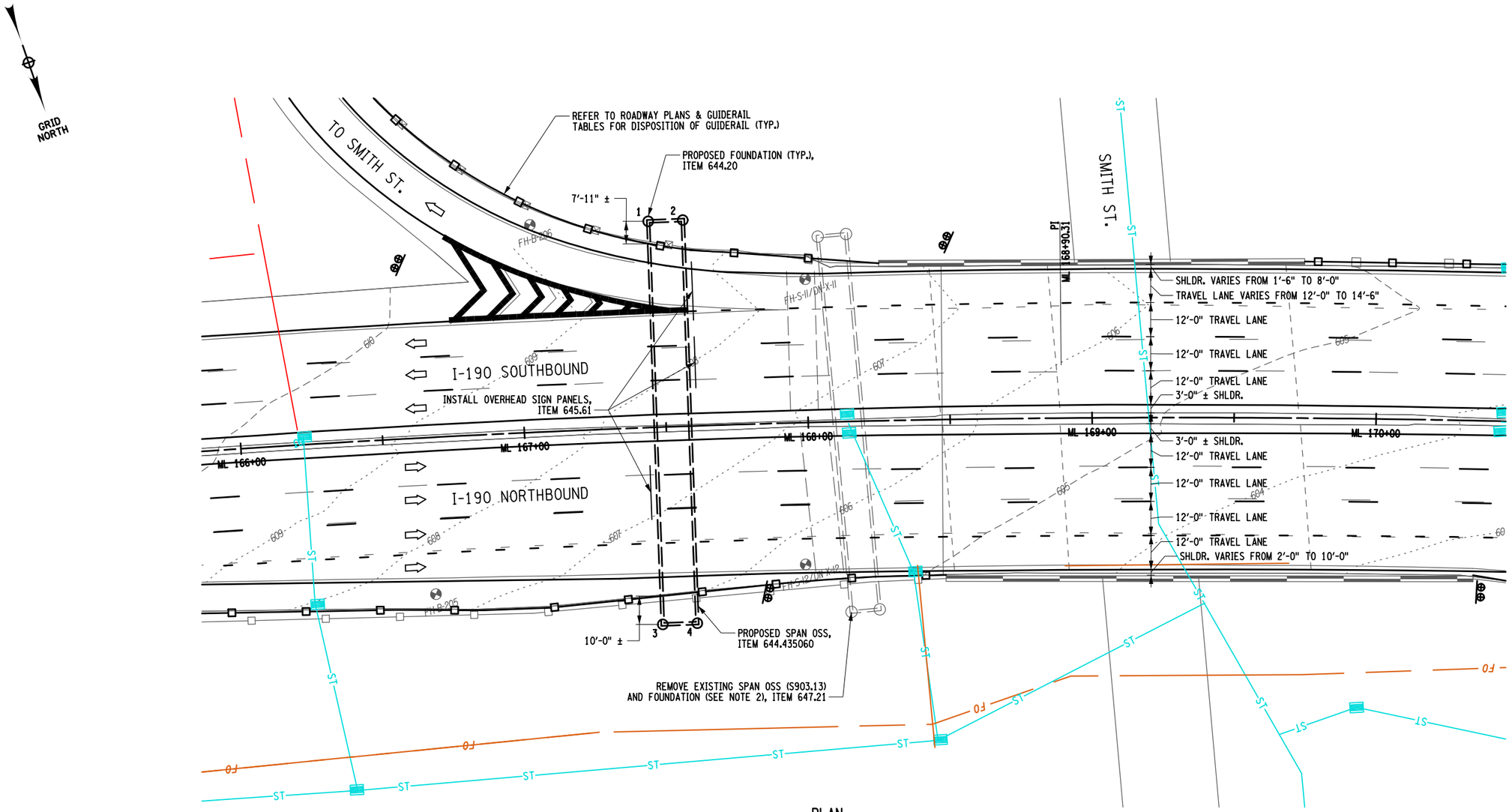
NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 902.69
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-12

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. OZOG
CHECKED BY: M. OZOG

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1045976.308 E = 1078226.083
2	N = 1045979.856 E = 1078214.445
3	N = 1046112.134 E = 1078267.498
4	N = 1046115.683 E = 1078255.860



PLAN
LOCATION MP 903.13
1" = 40'-0"

NOTES:

1. THE EXISTING SPAN OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING SPAN OSS, THE EXISTING FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

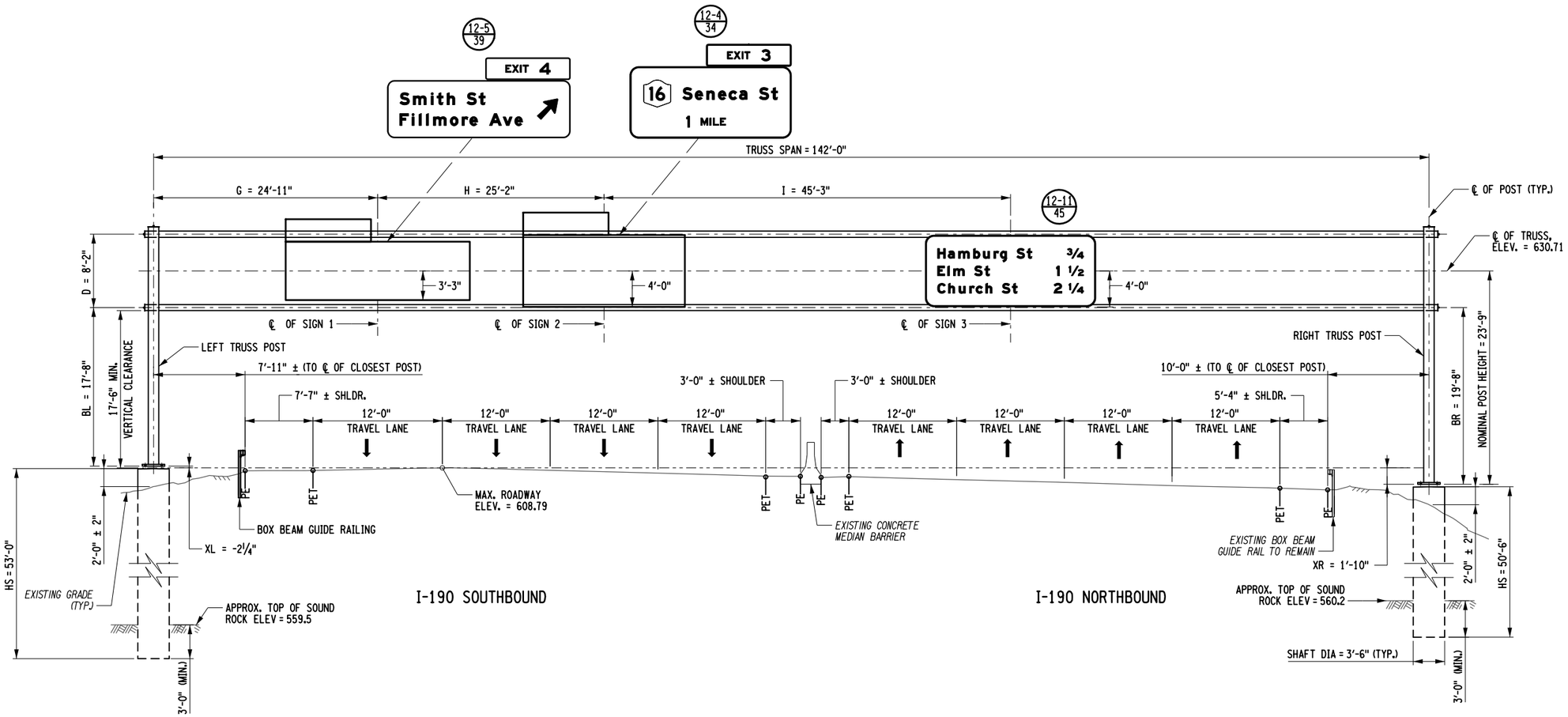
ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · LICENSED PROFESSIONAL ENGINEER · 103716

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority
PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 903.13	DRAWING NUMBER: OSP-13



I-190 SOUTHBOUND

I-190 NORTHBOUND

ELEVATION (LOOKING WEST)
LOCATION MP 903.13
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.
2. SPAN TRUSS DIAGONALS, CROSS BRACING AND SPLICES NOT SHOWN FOR CLARITY.

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: Q. WANG
CHECKED BY: Q. WANG

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

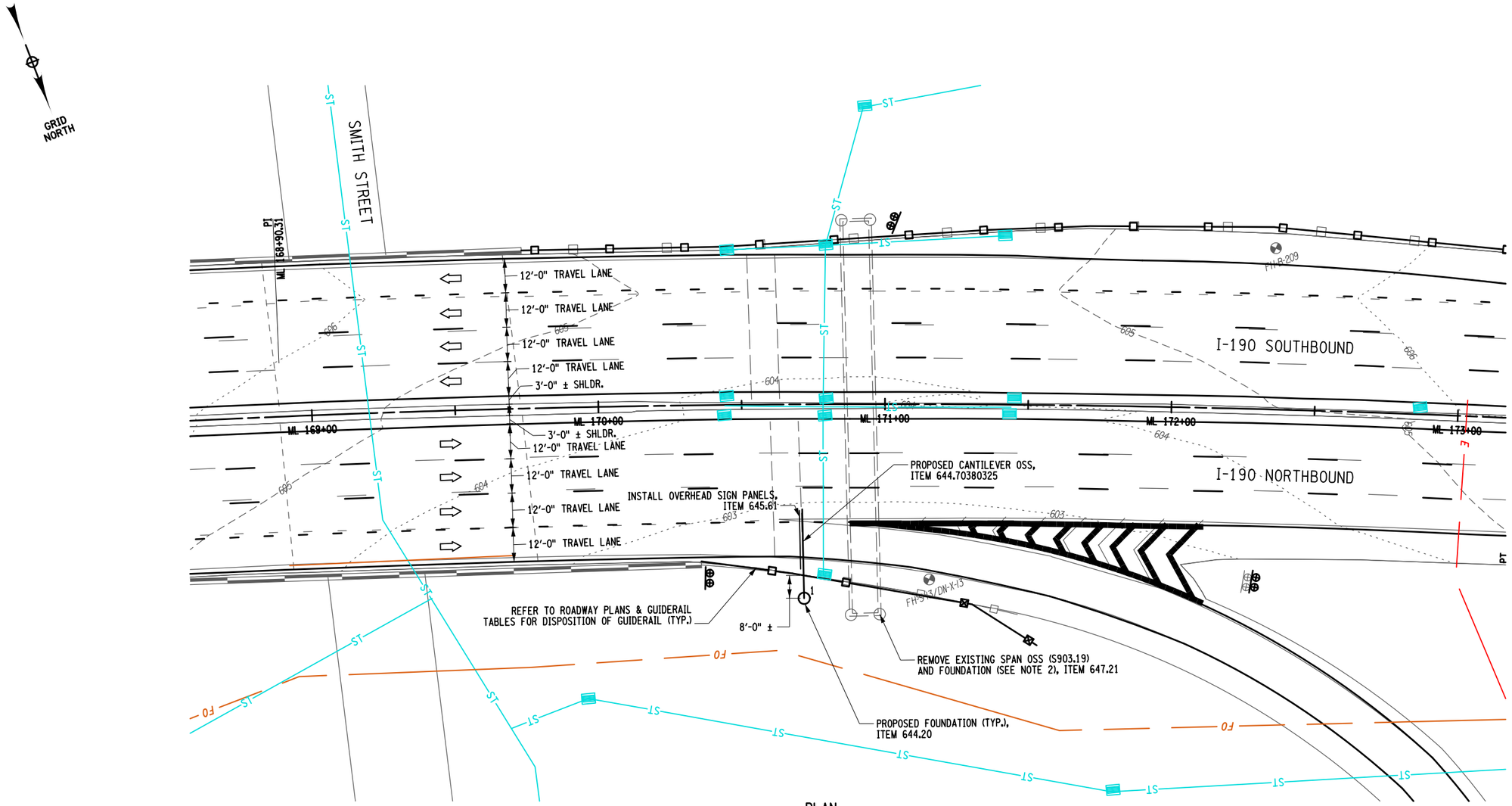
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 903.13
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-14

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1046213.618 E = 1077963.223



PLAN
LOCATION MP 903.19
1" = 40'-0"

NOTES:

1. THE EXISTING SPAN OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING SPAN OSS, THE EXISTING FOUNDATION SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
CHECKED BY: S. LOFORTE

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

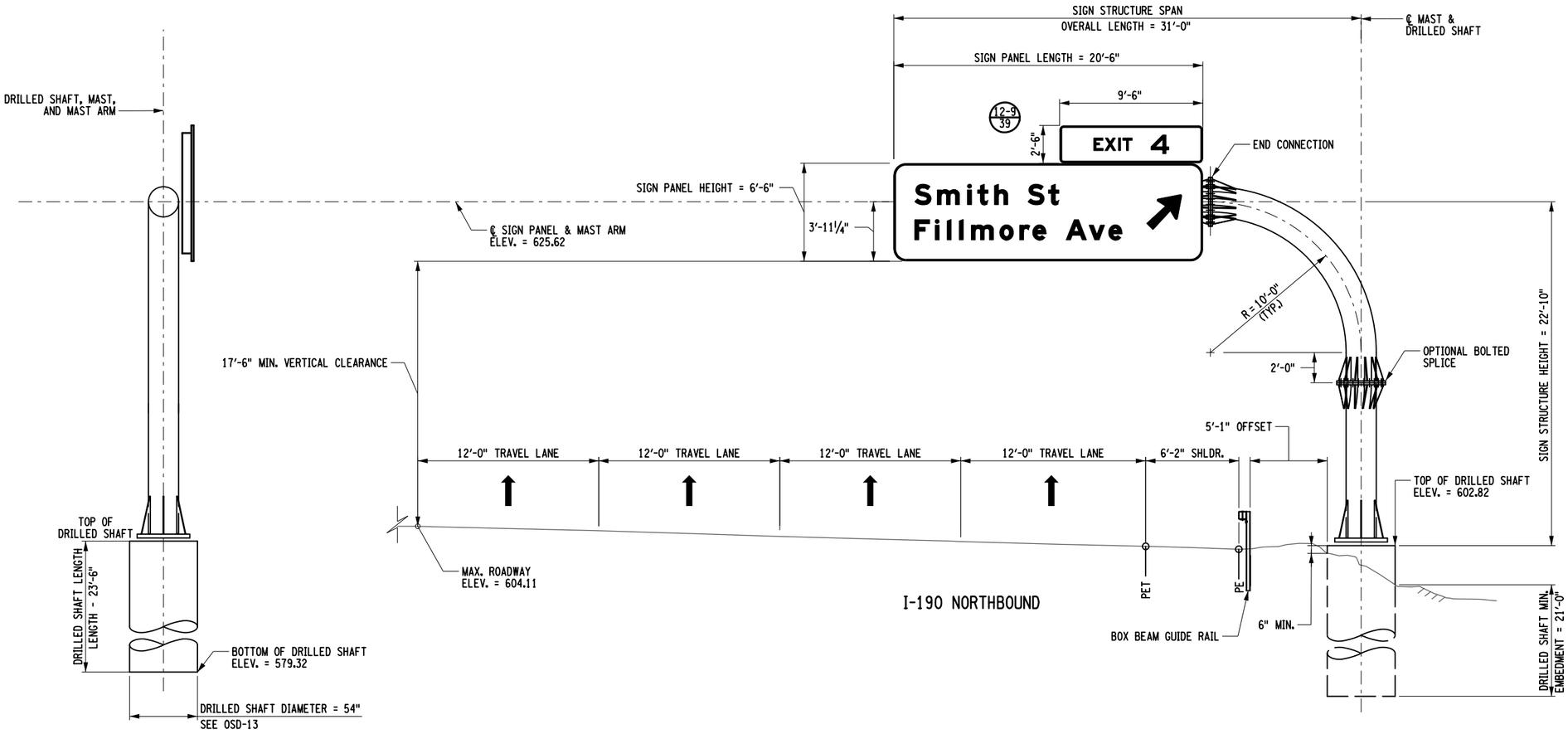
NEW YORK STATE Thruway Authority

PDG POPLI DESIGN GROUP

TITLE OF PROJECT I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 903.19	DRAWING NUMBER: OSP-15

DRAFTED BY: S.LOFORTE CHECKED BY: Q.WANG
DESIGNED BY: S.LOFORTE CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M.BEDFORD

SIDE VIEW
NOT TO SCALE



I-190 NORTHBOUND

ELEVATION (LOOKING WEST)
LOCATION MP 903.19
NOT TO SCALE

NOTES:

1. FABRICATOR HAS OPTION TO ADD OR ELIMINATE SPLICES.
2. PAYMENT FOR THE SIGN STRUCTURE SHALL BE MADE UNDER ITEM 644.70380325 - MONOPIPE OVERHEAD CANTILEVER SIGN STRUCTURE. PAYMENT FOR THE DRILLED SHAFT SHALL BE MADE UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD STRUCTURE. ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE PAID FOR UNDER ITEM 644.11.
3. FOR CANTILEVER SIGN STRUCTURE DETAILS, SEE DWG. NO. OSD-10.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION OF THE PROPOSED STRUCTURE.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

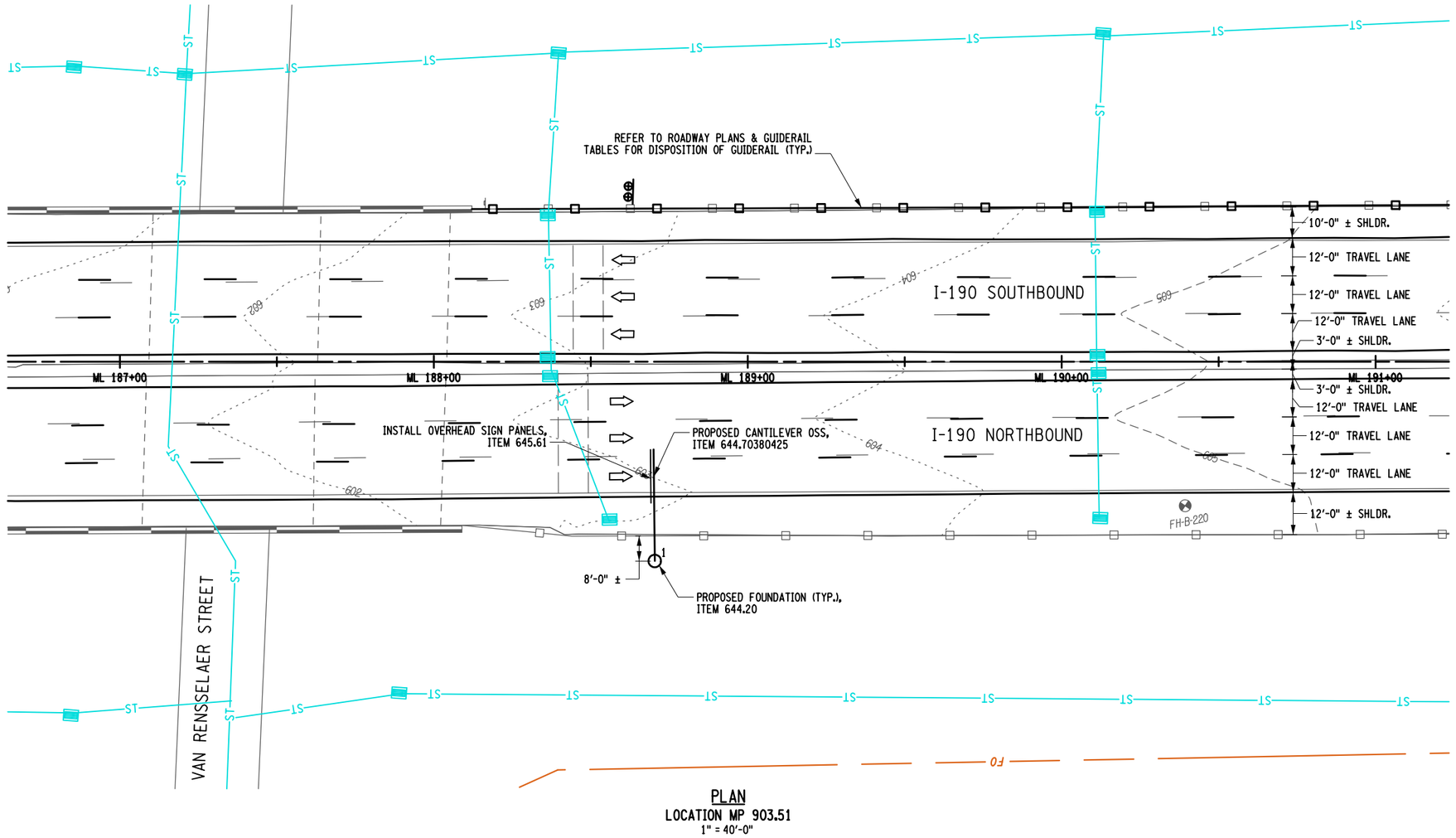
NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 903.19
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-16

GRID NORTH

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1046765.197 E = 1076245.897



PLAN
LOCATION MP 903.51
1" = 40'-0"

20 0 20 40
1" = 40'-0"

DESIGNED BY: S. LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M. OZOG
CHECKED BY: M. OZOG
DESIGN SUPERVISOR: M. BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

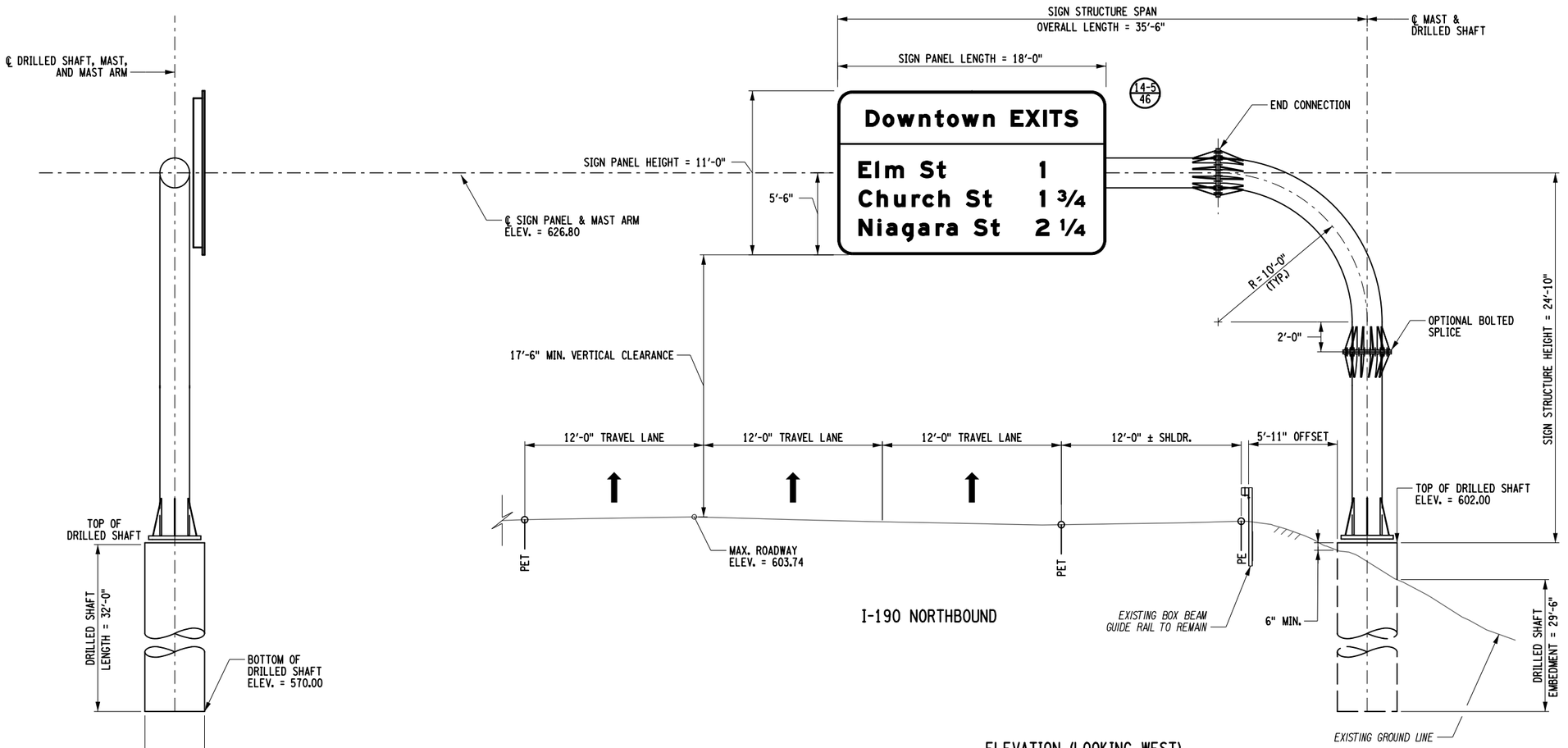
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 903.51	DRAWING NUMBER: OSP-17

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: Q. WANG
CHECKED BY: Q. WANG



SIDE VIEW
NOT TO SCALE

ELEVATION (LOOKING WEST)
LOCATION MP 903.51
NOT TO SCALE

NOTES:

1. FABRICATOR HAS OPTION TO ADD OR ELIMINATE SPLICES.
2. PAYMENT FOR THE SIGN STRUCTURE SHALL BE MADE UNDER ITEM 644.70380425 - MONOPIPE OVERHEAD CANTILEVER SIGN STRUCTURE. PAYMENT FOR THE DRILLED SHAFT SHALL BE MADE UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD STRUCTURE. ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE PAID FOR UNDER ITEM 644.11.
3. FOR CANTILEVER SIGN STRUCTURE DETAILS, SEE DWG. NO. OSD-10.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

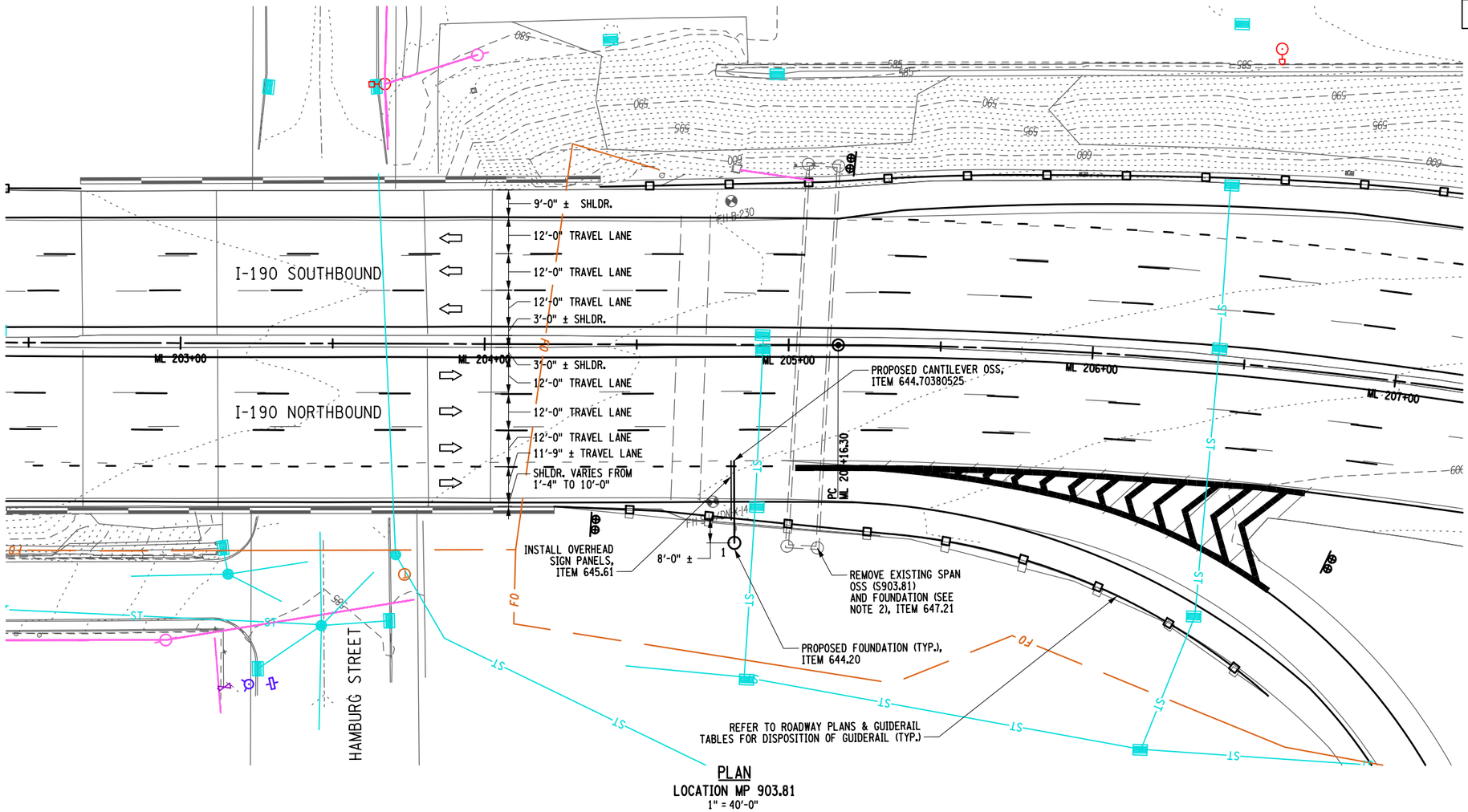
PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 903.51
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSP-18

DESIGNED BY: M. OZOG
DRAFTED BY: M. OZOG
CHECKED BY: S. LOFORTE
CHECKED BY: S. LOFORTE
DESIGN SUPERVISOR: M. BEDFORD

GRID NORTH

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1047126.990 E = 1074678.178



PLAN
LOCATION MP 903.81
1" = 40'-0"

NOTES:

1. THE EXISTING SPAN OSS AND SIGN PANELS SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL UNTIL THE REPLACEMENT OSS IS ERECTED, TESTED, AND ACCEPTED BY THE NYSTA.
2. UPON REMOVAL OF THE EXISTING SPAN OSS, THE EXISTING FOUNDATION SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW EXISTING GRADE AND THE SURFACE SHALL BE RESTORED TO MATCH THE SURROUNDING AREA.

20 0 20 40
1" = 40'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · LICENSED PROFESSIONAL ENGINEER · 103716

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

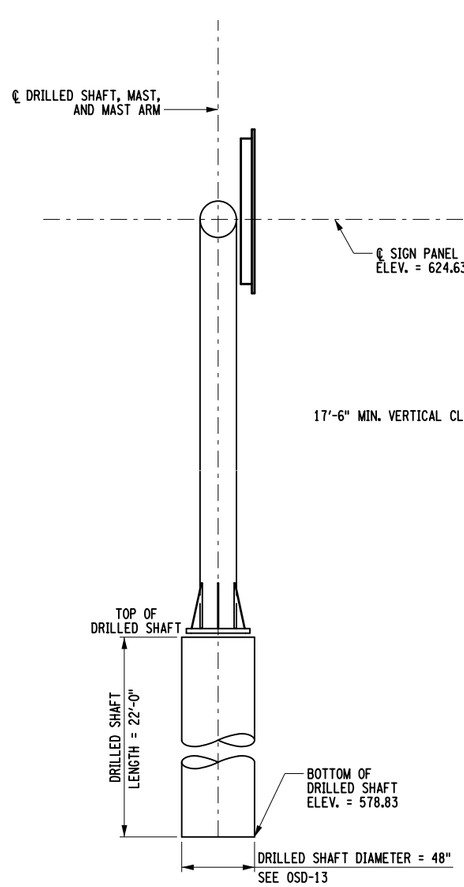
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

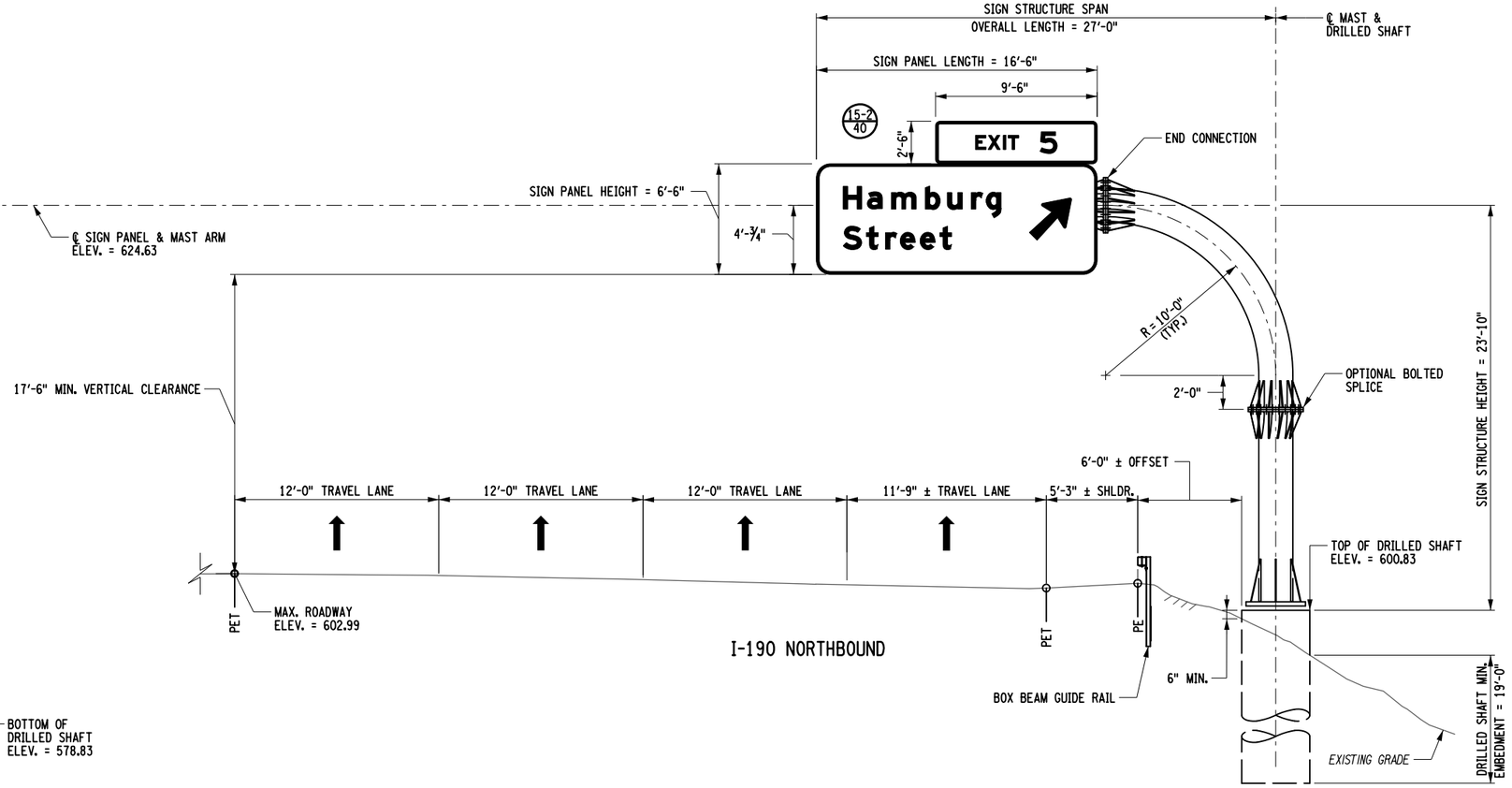
PDG Poeli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 903.81	DRAWING NUMBER: OSP-19

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M. BEDFORD
CHECKED BY: Q. WANG



SIDE VIEW
NOT TO SCALE



ELEVATION (LOOKING WEST)
LOCATION MP 903.81
NOT TO SCALE

NOTES:

1. FABRICATOR HAS OPTION TO ADD OR ELIMINATE SPLICES.
2. PAYMENT FOR THE SIGN STRUCTURE SHALL BE MADE UNDER ITEM 644.70380525 - MONOPIPE OVERHEAD CANTILEVER SIGN STRUCTURE. PAYMENT FOR THE DRILLED SHAFT SHALL BE MADE UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD STRUCTURE. ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE PAID FOR UNDER ITEM 644.11.
3. FOR CANTILEVER SIGN STRUCTURE DETAILS, SEE DWG. NO. OSD-10.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

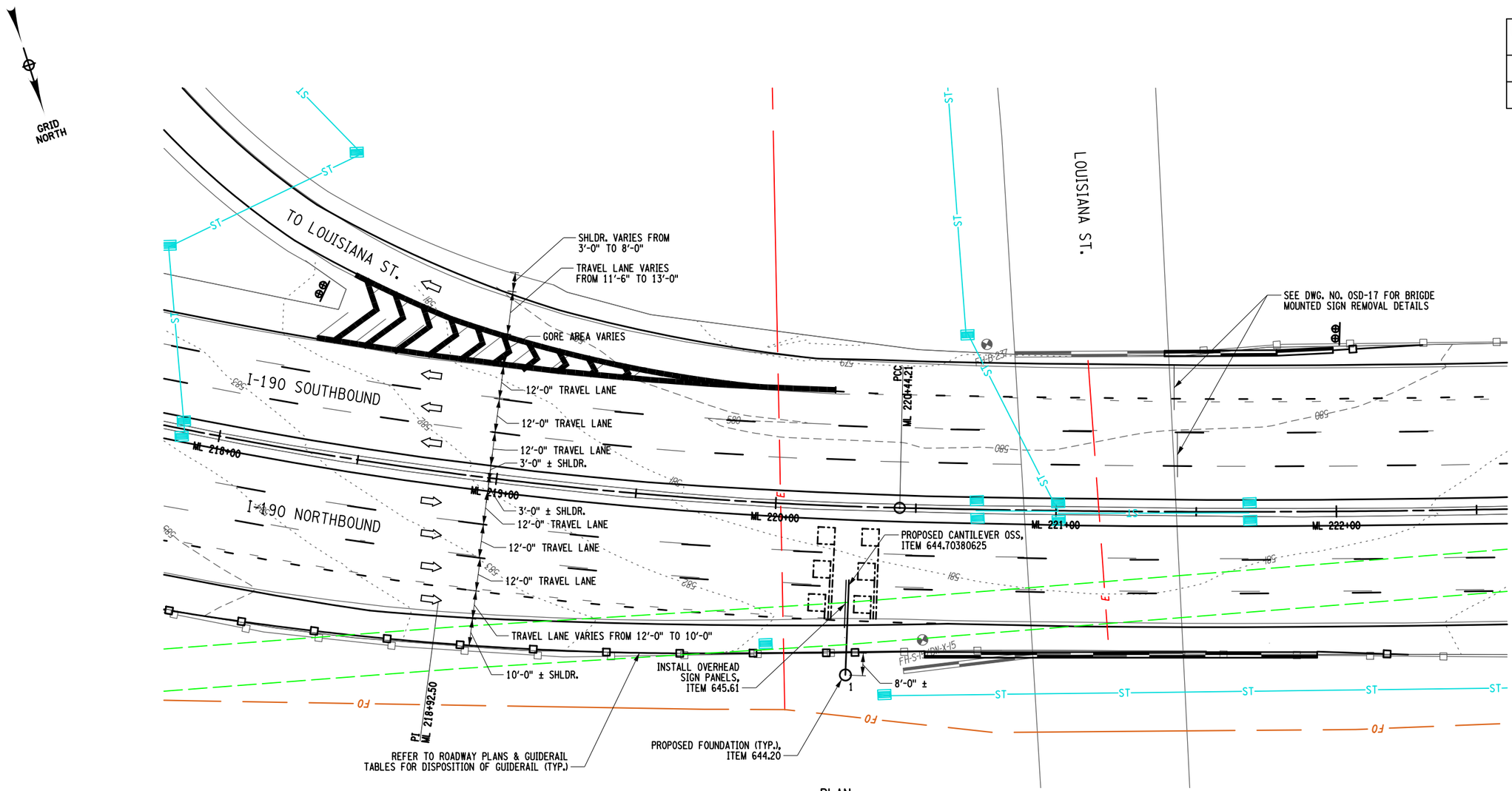
NEW YORK STATE Thruway Authority

PDG Poepli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 903.81	DRAWING NUMBER: OSP-20

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.OZOG
DESIGN SUPERVISOR: M.BEDFORD

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1047883.216 E = 1073356.646



PLAN
LOCATION MP 904.11
1" = 40'-0"

20 0 20 40
1" = 40'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

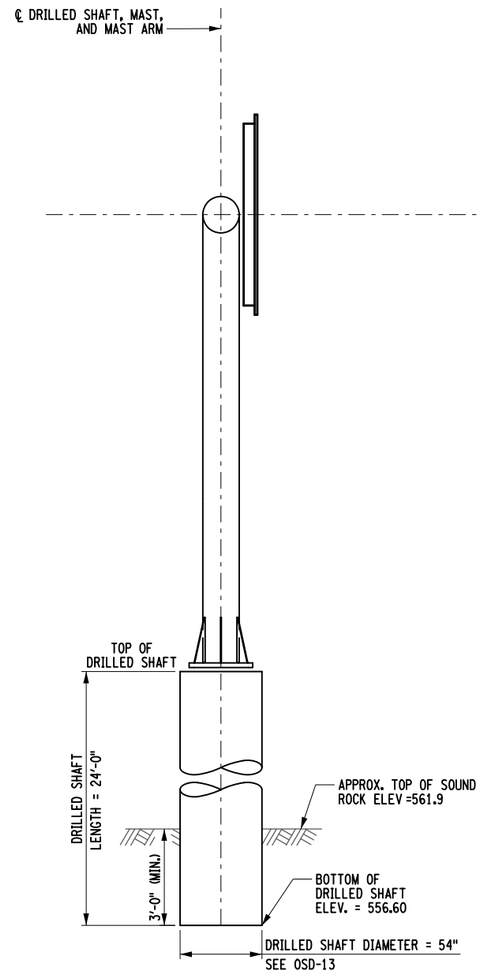
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

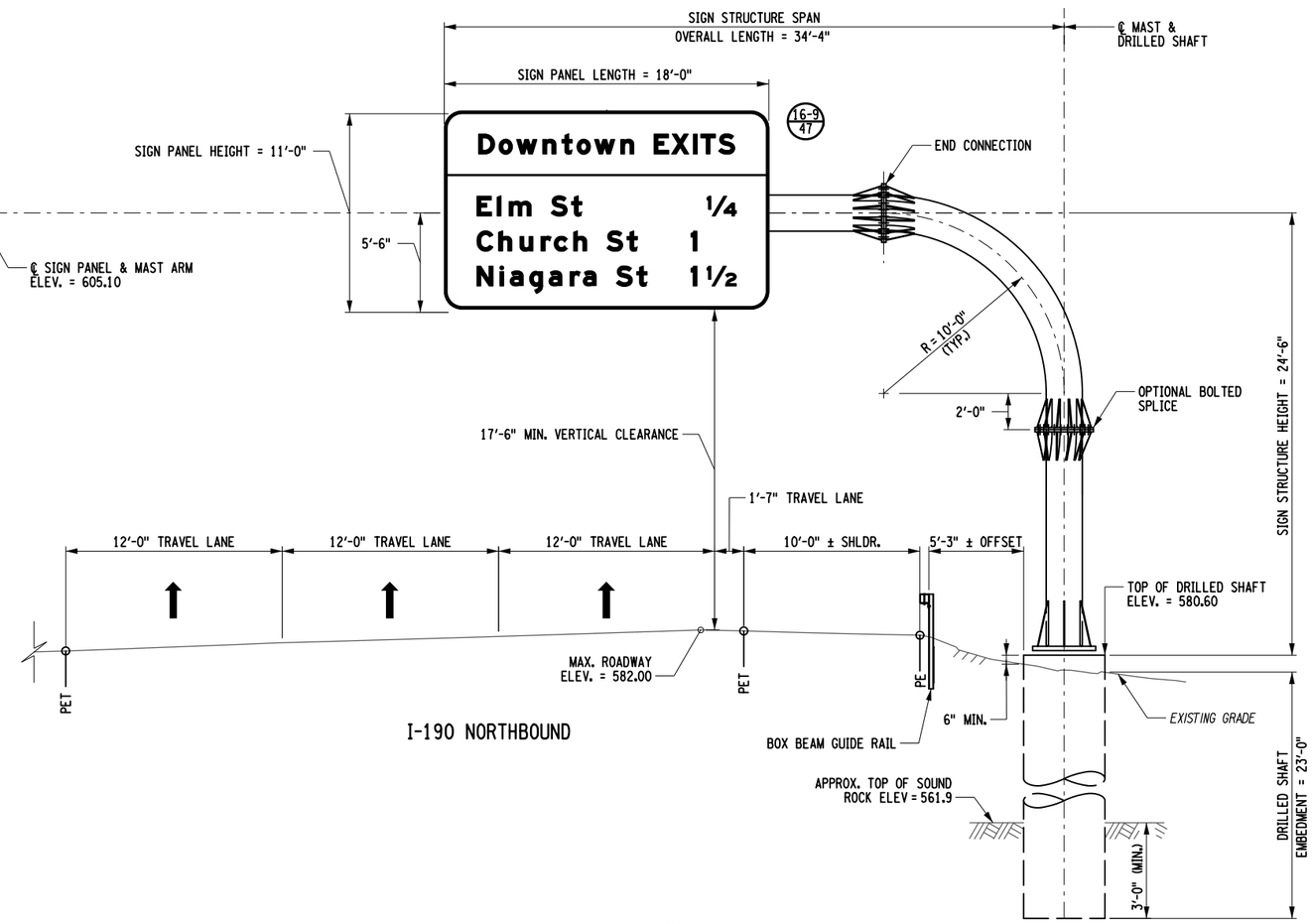
PDG POPLI DESIGN GROUP

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 904.11	DRAWING NUMBER: OSP-21

DESIGNED BY: S.LOFORTE CHECKED BY: Q.WANG
DRAFTED BY: S.LOFORTE CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M.BEDFORD



SIDE VIEW
NOT TO SCALE



I-190 NORTHBOUND

ELEVATION (LOOKING WEST)
LOCATION MP 904.11
NOT TO SCALE

NOTES:

1. FABRICATOR HAS OPTION TO ADD OR ELIMINATE SPLICES.
2. PAYMENT FOR THE SIGN STRUCTURE SHALL BE MADE UNDER ITEM 644.70380625 - MONOPIPE OVERHEAD CANTILEVER SIGN STRUCTURE. PAYMENT FOR THE DRILLED SHAFT SHALL BE MADE UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD STRUCTURE. ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE PAID FOR UNDER ITEM 644.11.
3. FOR CANTILEVER SIGN STRUCTURE DETAILS, SEE DWG. NO. OSD-10.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

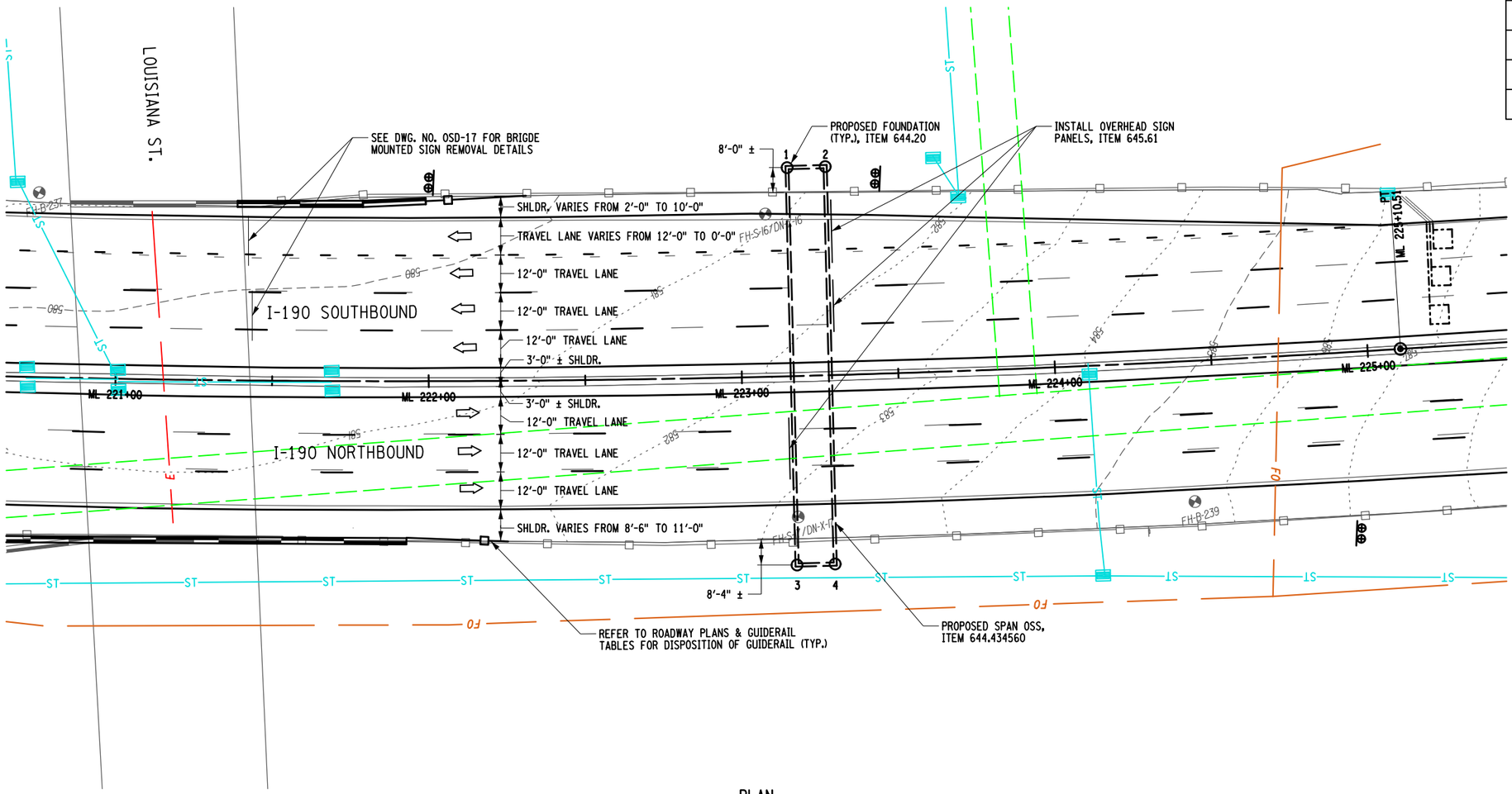
PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 904.11	DRAWING NUMBER: OSP-22

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.OZOG
DESIGN SUPERVISOR: M. BEDFORD

GRID NORTH

PROPOSED FOUNDATION ℄ COORDINATES	
FOUNDATION NO.	COORDINATES
1	N = 1047849.567 E = 1073042.526
2	N = 1047852.895 E = 1073030.824
3	N = 1047971.722 E = 1073077.269
4	N = 1047975.051 E = 1073065.567



PLAN
LOCATION MP 904.16
1" = 40'-0"

20 0 20 40
1" = 40'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

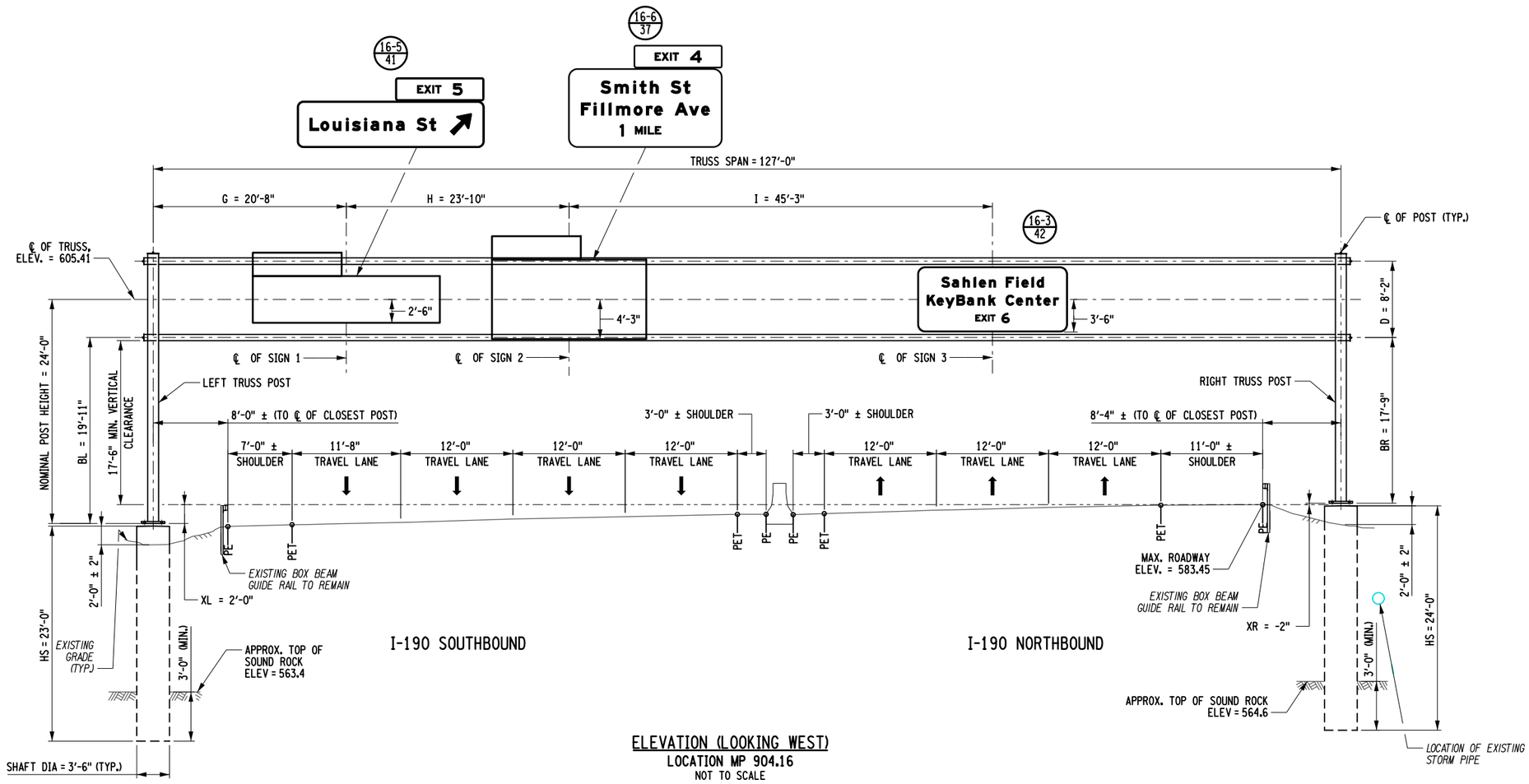
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES GENERAL PLAN LOCATION MP 904.16	DRAWING NUMBER: OSP-23



I-190 SOUTHBOUND

I-190 NORTHBOUND

ELEVATION (LOOKING WEST)
LOCATION MP 904.16
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF THE SIGN STRUCTURE.
2. SPAN TRUSS DIAGONALS, CROSS BRACING AND SPLICES NOT SHOWN FOR CLARITY.

DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: Q. WANG
DESIGN SUPERVISOR: M. BEDFORD
CHECKED BY: Q. WANG

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

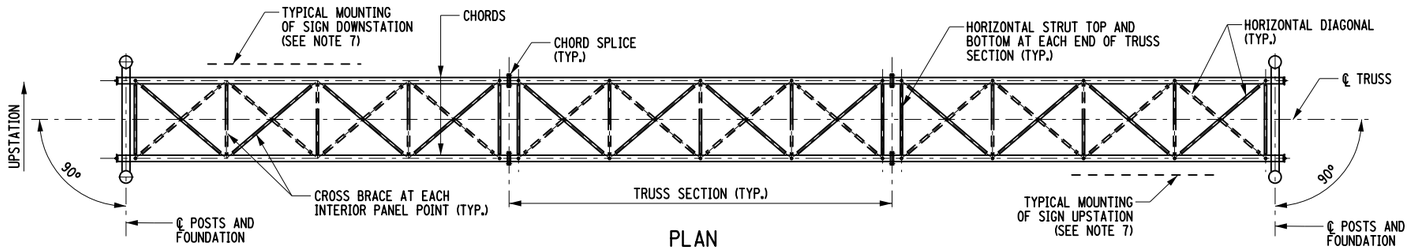
NEW YORK STATE Thruway Authority

PDG Poepli Design Group

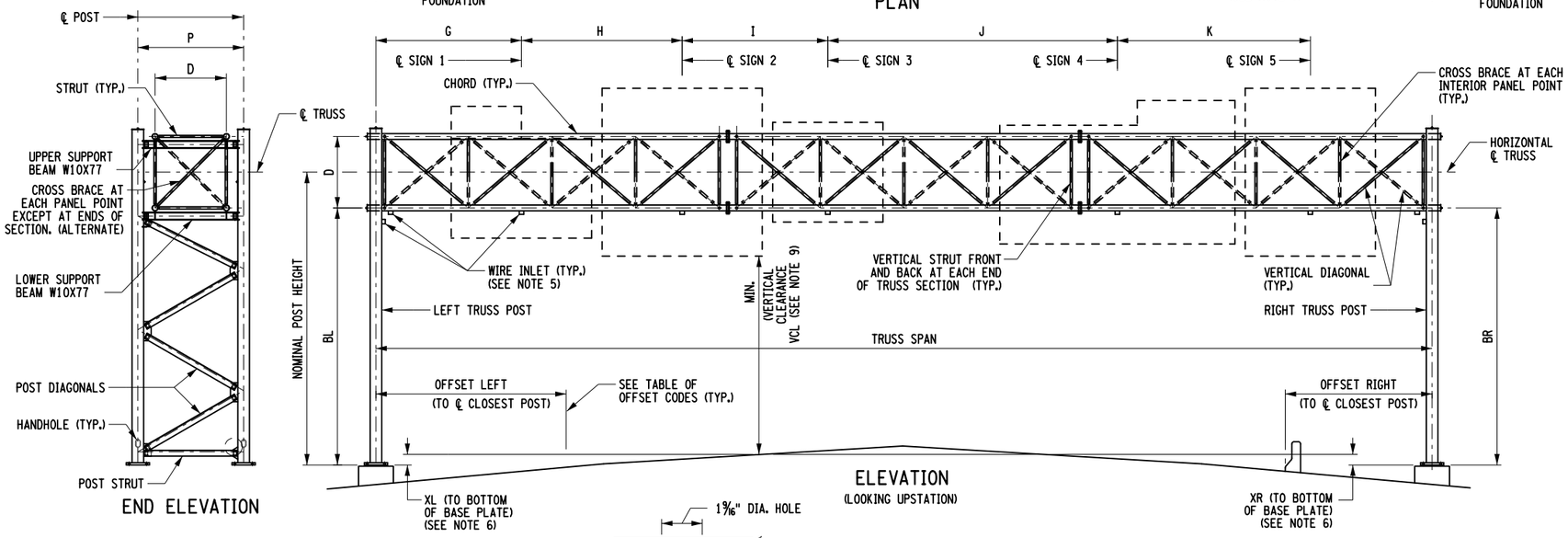
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES ELEVATION LOCATION MP 904.16	DRAWING NUMBER: OSP-24

SPAN STRUCTURE TABLE

S.I.N.	ITEM NO.	LOC. NO. (MP)	STRUCTURE TYPE (NOTE 12)	TRUSS SPAN (ft.)	TOTAL SIGN AREA (ft.)²	NOMINAL POST HEIGHT (ft.) (NOTE 8)	MIN. VCL (ft.) (NOTE 9)	POSTS												SIGNS																		CONSTRUCTED FOUNDATION TYPE (SEE NOTE 13)	
								LEFT						RIGHT						SIGN 1				SIGN 2				SIGN 3				SIGN 4				SIGN 5					
								SUBSTRATE SOIL/ROCK (NOTE 10)	BL (ft.)	XL (ft.)	OFF-SET (ft.)	OFF-SET CODE	FOUND. TYPE (NOTE 11)	SUBSTRATE SOIL/ROCK (NOTE 10)	BR (ft.)	XR (ft.)	OFF-SET (ft.)	OFF-SET CODE	FOUND. TYPE (NOTE 11)	TEXT NO.	MIN NO. Z BARS (NOTE 4) (TYP.)	G (ft.)	US OR DS (NOTE 7) (TYP.)	TEXT NO.	MIN NO. Z BARS	H (ft.)	US OR DS	TEXT NO.	MIN NO. Z BARS	I (ft.)	US OR DS	TEXT NO.	MIN NO. Z BARS	J (ft.)	US OR DS	TEXT NO.	MIN NO. Z BARS	K (ft.)	US OR DS	LEFT	RIGHT
S 900.38	644.432590	900.38	S30-90-9	70'-0"	711.00	25'-6"	17'-6"	ROCK	22'-3"	-1'-4¾"	10'-8"	FG	SHAFT	ROCK	20'-1"	-3'-7"	3'-4"	FB	SHAFT	49	7	42'-6"	DS																	
S 900.95	644.435090	900.95	S45-90-9	138'-0"	812.50	26'-4"	17'-6"	ROCK	22'-3"	1'-3¼"	14'-8"	FG	SHAFT	ROCK	21'-7"	7½"	8'-5"	FG	SHAFT	29	3	27'-6"	DS	50	5	24'-3"	DS	32	4	49'-7"	US									
S 901.41	644.436090	901.41	S55-60-9	166'-6"	595.25	24'-4"	17'-6"	ROCK	20'-3"	2'-1"	18'-10"	FG	SHAFT	ROCK	18'-4"	2"	10'-0"	FG	SHAFT	33	4	39'-0"	DS	30	3	28'-7"	DS	33	4	74'-2"	US									
S 902.33	644.435060	902.33	S45-60-9	136'-6"	404.50	28'-1"	17'-6"	SOIL	22'-2"	2'-9"	6'-9"	FG	SHAFT	SOIL	24'-0"	4'-7"	6'-9"	FG	SHAFT	36	4	26'-6"	DS	31	4	25'-8"	DS													
S 903.13	644.435060	903.13	S45-60-9	142'-0"	476.75	23'-9"	17'-6"	ROCK	17'-8"	-2¼"	7'-11"	FG	SHAFT	ROCK	19'-8"	1'-10"	10'-0"	FG	SHAFT	39	4	24'-11"	DS	34	3	25'-2"	DS	45	4	45'-3"	US									
S 904.16	644.434560	904.16	S40-60-9	127'-0"	399.75	24'-0"	17'-6"	ROCK	19'-11"	2'-0"	8'-0"	FG	SHAFT	ROCK	17'-9"	-2"	8'-4"	FG	SHAFT	41	4	20'-8"	DS	37	3	23'-10"	DS	42	4	45'-3"	US									

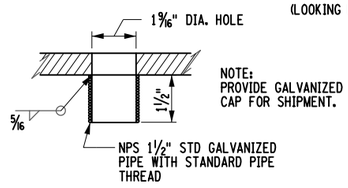


PLAN



END ELEVATION

ELEVATION
(LOOKING UPSTATION)



CHORD WIRE INLET DETAIL

OFFSET CODES			
EP	EDGE OF PAVEMENT	FB	TRAFFIC FACE OF BARRIER BASE
ES	EDGE OF SHOULDER	FG	FRONT FACE OF GUIDE RAIL
CF	CURB FACE	CL	HIGHWAY CENTER LINE

SPAN STRUCTURE TABLE (CONT'D)

S.I.N.	REMARKS
S 900.38	CUSTOM FOUNDATION. SEE TABLE ON OSD-03. NO OPTION ALLOWED AT FOUNDATIONS.
S 900.95	CUSTOM FOUNDATION. SEE TABLE ON OSD-03. NO OPTION ALLOWED AT FOUNDATIONS.
S 901.41	CUSTOM FOUNDATION. SEE TABLE ON OSD-03. NO OPTION ALLOWED AT FOUNDATIONS.
S 902.33	STANDARD FOUNDATION.
S 903.13	CUSTOM FOUNDATION. SEE TABLE ON OSD-03. NO OPTION ALLOWED AT FOUNDATIONS.
S 904.16	CUSTOM FOUNDATION. SEE TABLE ON OSD-03. NO OPTION ALLOWED AT FOUNDATIONS.

NOTES:

1. THESE STRUCTURES ARE DESIGNED IN ACCORDANCE WITH NYSDOT STANDARD DESIGN SPECIFICATIONS FOR OVERHEAD SIGN STRUCTURES. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 644. STEEL FABRICATION SHALL BE IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL
2. THE WEB MEMBERS IN EACH FACE OF THE TRUSS SHALL FORM CONTINUOUS TRUSSING FROM POST TO POST AND THERE SHALL BE AN EVEN NUMBER OF PANELS IN THE SPAN.
3. FOR VERTICAL ORIENTATION OF SIGN PANELS, SEE DWG. NO. OSD-09.
4. FOR SIGN PANEL ATTACHMENT DETAILS AND SPACING OF Z-BARS, SEE DWG. NO. OSD-09.
5. INSTALL WIRE INLETS IN BOTTOM CHORD (FRONT AND/OR BACK, AS NECESSARY) AT ℄ OF EACH SIGN AND AT FACE OF POST. IF SIGN LIGHTING IS NOT INCLUDED IN THE CONTRACT, WIRE INLETS SHALL BE OMITTED.
6. THE CONTRACTOR SHALL ESTABLISH THE TOP OF PEDESTAL OR SHAFT ELEVATIONS BASED ON THE INFORMATION SHOWN ON THE CONTRACT PLANS AND DATA DERIVED FROM FIELD SURVEYS. SPAN LENGTHS AND DIMENSIONS XL AND XR SHALL BE FIELD-VERIFIED PRIOR TO THE PLACEMENT OF THE FOUNDATIONS OR FABRICATION OF THE SIGN STRUCTURES AND ELEVATIONS AND DIMENSIONS SHALL BE PRESENTED ON THE SHOP DRAWINGS. A NEGATIVE XL OR XR INDICATES THAT THE BOTTOM OF BASE PLATE IS ABOVE THE POINT OF MINIMUM VERTICAL CLEARANCE. IF FIELD-VERIFIED SPAN LENGTHS, XL OR XR DIFFER FROM INFORMATION SHOWN ON THE CONTRACT PLANS, THE ENGINEER SHALL BE CONSULTED TO DETERMINE WHETHER DESIGN CHANGES ARE NEEDED.
7. SIGN MOUNTING LOCATION IS INDICATED BY US (UPSTATION) OR DS (DOWNSTATION) IN THE SPAN STRUCTURE TABLE (SEE SCHEMATIC IN PLAN VIEW).
8. NOMINAL POST HEIGHT IS THE LARGER OF LEFT OR RIGHT POSTS.
9. THE SIGN STRUCTURE HEIGHT IS DESIGNED TO PROVIDE THE MINIMUM VERTICAL CLEARANCE (VCL) INDICATED BETWEEN THE SIGN PANELS AND ROADWAY SURFACE, INCLUDING LIGHTING OR OTHER ATTACHMENTS, AT ANY POINT OVER THE ENTIRE ROADWAY WIDTH. THE REQUIRED MINIMUM VCL IS 1'-0" GREATER THAN THAT REQUIRED FOR NEW OVERPASS STRUCTURES ALONG THE ROUTE.
10. SUBSTRATE TYPE SHALL BE DESIGNATED S (SOIL), R (ROCK), OR '-' (SPECIAL FOUNDATION). FOR SHAFT FOUNDATIONS, WHEN ROCK IS SPECIFIED, THE TOTAL SHAFT LENGTH AND THE SHAFT LENGTH IN ROCK SHALL BE INDICATED IN PARENTHESIS (SEE DETAIL ON DWG. NO. OSD-03). FOR FOOTING DEPTH IN SOIL OR ROCK SEE FOUNDATION TABLE ON DWG. NO. OSD-03.
11. FOUNDATION TYPE SHALL BE DESIGNATED 'FOOTING', 'SHAFT', OR 'SPECIAL'.
12. FOR STANDARD SPAN STRUCTURES SELECTION TABLE AND DIMENSIONS D AND P, SEE DWG. NO. OSD-02.
13. FILLED OUT BY E.I.C. AT TIME OF AS-BUILTS.

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: Q. WANG

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/29/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
MATTHEW CLARENCE BEDFORD
103716
LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES SPAN STRUCTURES

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: OSD-01

STANDARD SPAN STRUCTURES

STRUCTURE TYPE	MAX. SPAN LENGTH (ft.)	MAX. SIGN AREA ($ft.^2$)	CHORD SPACING D (ft.)	POST SPACING P (ft.)	TRUSS			POST					BASE PLATE TYPE	FOUND. TYPE	MINIMUM PEDESTAL OR SHAFT DIA. (ft.)	SHAFT LENGTH HS (ft.)	SHAFT CONC. QTY. ($ft.^3$)
					CHORD NPS	DIAGONAL NPS	TRUSS WEIGHT (k)	MAX. NOMINAL POST HEIGHT (ft.)	POST NPS	WALL THICKNESS (in.)	DIAGONAL ANGLE	END FRAMES WEIGHT (k)					
S15-30-9	49'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	7.58	29'-0"	10 STD	0.365	L8"x8"x1/2"	11.98	BP-10	S-A	3'-6"	15'-0"	144
S15-30-11	49'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	7.58	36'-0"	12 STD	0.375	L8"x8"x1/2"	15.07	BP-12	S-B	3'-6"	17'-0"	164
S15-30-13	49'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	7.58	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-B	4'-0"	15'-0"	188
S15-60-9	49'-0"	645	6'-7"	9'-10"	5 STD	3 STD	8.32	29'-0"	12 STD	0.375	L8"x8"x1/2"	13.14	BP-12	S-B	3'-6"	17'-0"	164
S15-60-11	49'-0"	645	6'-7"	9'-10"	5 STD	3 STD	8.32	36'-0"	14 STD	0.375	L8"x8"x1/2"	15.84	BP-14	S-C	3'-6"	19'-0"	183
S15-60-13	49'-0"	645	6'-7"	9'-10"	5 STD	3 STD	8.32	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-D	4'-0"	19'-0"	239
S20-30-9	65'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	9.53	29'-0"	10 STD	0.365	L8"x8"x1/2"	11.98	BP-10	S-A	3'-6"	15'-0"	144
S20-30-11	65'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	9.53	36'-0"	12 STD	0.375	L8"x8"x1/2"	15.07	BP-12	S-B	3'-6"	17'-0"	164
S20-30-13	65'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	9.53	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-C	4'-0"	17'-0"	214
S20-60-9	65'-0"	645	6'-7"	9'-10"	6 STD	3 STD	11.62	29'-0"	12 STD	0.375	L8"x8"x1/2"	13.14	BP-12	S-C	3'-6"	19'-0"	183
S20-60-11	65'-0"	645	6'-7"	9'-10"	6 STD	3 STD	11.62	36'-0"	14 STD	0.375	L8"x8"x1/2"	15.84	BP-14	S-D	3'-6"	20'-0"	192
S20-60-13	65'-0"	645	6'-7"	9'-10"	6 STD	3 STD	11.62	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-E	4'-0"	20'-0"	251
S25-30-9	82'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	11.84	29'-0"	10 STD	0.365	L8"x8"x1/2"	11.98	BP-10	S-A	3'-6"	15'-0"	144
S25-30-11	82'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	11.84	36'-0"	12 STD	0.375	L8"x8"x1/2"	15.07	BP-12	S-B	3'-6"	17'-0"	164
S25-30-13	82'-0"	322	6'-7"	9'-10"	5 STD	2.5 STD	11.84	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-C	4'-0"	17'-0"	214
S25-60-9	82'-0"	645	6'-7"	9'-10"	6 STD	3 STD	14.44	29'-0"	12 STD	0.375	L8"x8"x1/2"	13.14	BP-12	S-C	3'-6"	19'-0"	183
S25-60-11	82'-0"	645	6'-7"	9'-10"	6 STD	3 STD	14.44	36'-0"	16 STD	0.375	L8"x8"x1/2"	17.07	BP-16	S-D	4'-0"	19'-0"	239
S25-60-13	82'-0"	645	6'-7"	9'-10"	6 STD	3 STD	14.44	42'-0"	18 STD	0.375	L8"x8"x1/2"	20.77	BP-18	S-E	4'-0"	20'-0"	251
S30-30-9	98'-0"	322	6'-7"	9'-10"	6 STD	2.5 STD	15.61	29'-0"	10 STD	0.365	L8"x8"x1/2"	11.98	BP-10	S-A	3'-6"	15'-0"	144
S30-30-11	98'-0"	322	6'-7"	9'-10"	6 STD	2.5 STD	15.61	36'-0"	12 STD	0.375	L8"x8"x1/2"	15.07	BP-12	S-B	3'-6"	17'-0"	164
S30-30-13	98'-0"	322	6'-7"	9'-10"	6 STD	2.5 STD	15.61	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-C	4'-0"	17'-0"	214
S30-60-9	98'-0"	645	6'-7"	9'-10"	8 STD	3 STD	20.84	29'-0"	12 STD	0.375	L8"x8"x1/2"	13.14	BP-12	S-C	3'-6"	19'-0"	183
S30-60-11	98'-0"	645	6'-7"	9'-10"	8 STD	3 STD	20.84	36'-0"	16 STD	0.375	L8"x8"x1/2"	17.07	BP-16	S-D	4'-0"	19'-0"	239
S30-60-13	98'-0"	645	6'-7"	9'-10"	8 STD	3 STD	20.84	42'-0"	18 STD	0.375	L8"x8"x1/2"	20.77	BP-18	S-F	4'-0"	22'-0"	276
S30-90-9	98'-0"	968	6'-7"	9'-10"	8 STD	3 STD	20.84	29'-0"	16 STD	0.375	L8"x8"x5/16"	15.18	BP-16	S-D	4'-0"	19'-0"	239
S30-90-11	98'-0"	968	6'-7"	9'-10"	8 STD	3 STD	20.84	36'-0"	18 STD	0.375	L8"x8"x5/16"	18.74	BP-18	S-F	4'-0"	22'-0"	276
S30-90-13	98'-0"	968	6'-7"	9'-10"	8 STD	3 STD	20.84	42'-0"	18 XS	0.500	L8"x8"x5/16"	25.78	BP-18	S-H	4'-0"	23'-0"	289
S35-30-9	114'-0"	322	6'-7"	9'-10"	6 STD	3 STD	19.23	29'-0"	10 STD	0.365	L8"x8"x1/2"	11.98	BP-10	S-B	3'-6"	17'-0"	164
S35-30-11	114'-0"	322	6'-7"	9'-10"	6 STD	3 STD	19.23	36'-0"	12 STD	0.375	L8"x8"x1/2"	15.07	BP-12	S-B	3'-6"	17'-0"	164
S35-30-13	114'-0"	322	6'-7"	9'-10"	6 STD	3 STD	19.23	42'-0"	16 STD	0.375	L8"x8"x1/2"	19.34	BP-16	S-C	4'-0"	17'-0"	214
S35-60-9	114'-0"	645	6'-7"	9'-10"	8 STD	3 STD	23.90	29'-0"	14 STD	0.375	L8"x8"x1/2"	14.17	BP-14	S-C	3'-6"	19'-0"	183
S35-60-11	114'-0"	645	6'-7"	9'-10"	8 STD	3 STD	23.90	36'-0"	16 STD	0.375	L8"x8"x1/2"	17.52	BP-16	S-E	4'-0"	20'-0"	251
S35-60-13	114'-0"	645	6'-7"	9'-10"	8 STD	3 STD	23.90	42'-0"	18 STD	0.375	L8"x8"x1/2"	21.28	BP-18	S-F	4'-0"	22'-0"	276
S35-90-9	114'-0"	968	6'-7"	9'-10"	8 STD	4 STD	26.93	29'-0"	16 STD	0.375	L8"x8"x5/16"	15.56	BP-16	S-E	4'-0"	20'-0"	251
S35-90-11	114'-0"	968	6'-7"	9'-10"	8 STD	4 STD	26.93	36'-0"	18 STD	0.375	L8"x8"x5/16"	19.17	BP-18	S-F	4'-0"	22'-0"	276
S35-90-13	114'-0"	968	6'-7"	9'-10"	8 STD	4 STD	26.93	42'-0"	18 XS	0.500	L8"x8"x5/16"	26.27	BP-18	S-H	4'-0"	23'-0"	289
S40-30-9	131'-0"	322	8'-2"	12'-2"	6 STD	3 STD	23.73	29'-0"	10 STD	0.365	L8"x8"x1/2"	13.00	BP-10	S-B	3'-6"	17'-0"	164
S40-30-11	131'-0"	322	8'-2"	12'-2"	6 STD	3 STD	23.73	36'-0"	12 STD	0.375	L8"x8"x1/2"	16.29	BP-12	S-C	3'-6"	17'-0"	164
S40-30-13	131'-0"	322	8'-2"	12'-2"	6 STD	3 STD	23.73	42'-0"	16 STD	0.375	L8"x8"x1/2"	20.76	BP-16	S-D	4'-0"	19'-0"	239
S40-60-9	131'-0"	645	8'-2"	12'-2"	8 STD	3 STD	29.07	29'-0"	14 STD	0.375	L8"x8"x5/16"	15.29	BP-14	S-D	3'-6"	19'-0"	183
S40-60-11	131'-0"	645	8'-2"	12'-2"	8 STD	3 STD	29.07	36'-0"	16 STD	0.375	L8"x8"x5/16"	18.84	BP-16	S-E	4'-0"	19'-0"	239
S40-60-13	131'-0"	645	8'-2"	12'-2"	8 STD	3 STD	29.07	42'-0"	18 STD	0.375	L8"x8"x5/16"	22.80	BP-18	S-F	4'-0"	20'-0"	251
S40-90-9	131'-0"	968	8'-2"	12'-2"	8 STD	4 STD	33.14	29'-0"	16 STD	0.375	L8"x8"x5/8"	16.73	BP-16	S-E	4'-0"	19'-0"	239
S40-90-11	131'-0"	968	8'-2"	12'-2"	8 STD	4 STD	33.14	36'-0"	18 STD	0.375	L8"x8"x5/8"	20.56	BP-18	S-G	4'-0"	22'-0"	276
S40-90-13	131'-0"	968	8'-2"	12'-2"	8 STD	4 STD	33.14	42'-0"	20 STD	0.375	L8"x8"x5/8"	24.81	BP-20	S-I	4'-0"	23'-0"	289

STANDARD SPAN STRUCTURES

STRUCTURE TYPE	MAX. SPAN LENGTH (ft.)	MAX. SIGN AREA ($ft.^2$)	CHORD SPACING D (ft.)	POST SPACING P (ft.)	TRUSS			POST					BASE PLATE TYPE	FOUND. TYPE	MINIMUM PEDESTAL OR SHAFT DIA. (ft.)	SHAFT LENGTH HS (ft.)	SHAFT CONC. QTY. ($ft.^3$)
					CHORD NPS	DIAGONAL NPS	TRUSS WEIGHT (k)	MAX. NOMINAL POST HEIGHT (ft.)	POST NPS	WALL THICKNESS (in.)	DIAGONAL ANGLE	END FRAMES WEIGHT (k)					
S45-30-9	147'-0"	322	8'-2"	12'-2"	8 STD	3 STD	31.78	29'-0"	10 STD	0.365	L8"x8"x1/2"	13.00	BP-10	S-B	3'-6"	17'-0"	164
S45-30-11	147'-0"	322	8'-2"	12'-2"	8 STD	3 STD	31.78	36'-0"	12 STD	0.375	L8"x8"x1/2"	16.29	BP-12	S-C	3'-6"	17'-0"	164
S45-30-13	147'-0"	322	8'-2"	12'-2"	8 STD	3 STD	31.78	42'-0"	16 STD	0.375	L8"x8"x1/2"	20.76	BP-16	S-D	4'-0"	19'-0"	239
S45-60-9	147'-0"	645	8'-2"	12'-2"	8 STD	4 STD	36.05	29'-0"	14 STD	0.375	L8"x8"x5/16"	15.29	BP-14	S-D	3'-6"	19'-0"	183
S45-60-11	147'-0"	645	8'-2"	12'-2"	8 STD	4 STD	36.05	36'-0"	16 STD	0.375	L8"x8"x5/16"	18.84	BP-16	S-E	4'-0"	19'-0"	239
S45-60-13	147'-0"	645	8'-2"	12'-2"	8 STD	4 STD	36.05	42'-0"	18 STD	0.375	L8"x8"x5/16"	22.81	BP-18	S-G	4'-0"	22'-0"	276
S45-90-9	147'-0"	968	8'-2"	12'-2"	10 STD	4 STD	43.50	29'-0"	16 STD	0.375	L8"x8"x5/8"	16.73	BP-16	S-F	4'-0"	20'-0"	251
S45-90-11	147'-0"	968	8'-2"	12'-2"	10 STD	4 STD	43.50	36'-0"	18 STD	0.375	L8"x8"x5/8"	20.56	BP-18	S-G	4'-0"	22'-0"	276
S45-90-13	147'-0"	968	8'-2"	12'-2"	10 STD	4 STD	43.50	42'-0"	20 STD	0.375	L8"x8"x5/8"	24.81	BP-20	S-I	4'-0"	23'-0"	289
S50-30-9	164'-0"	322	8'-2"	12'-2"	8 STD	4 STD	39.68	29'-0"	10 STD	0.365	L8"x8"x1/2"	13.00	BP-10	S-B	3'-6"	17'-0"	164
S50-30-11	164'-0"	322	8'-2"	12'-2"	8 STD	4 STD	39.68	36'-0"	12 STD	0.375	L8"x8"x1/2"	16.29	BP-12	S-C	3'-6"	17'-0"	164
S50-30-13	164'-0"	322	8'-2"	12'-2"	8 STD	4 STD	39.68	42'-0"	16 STD	0.375	L8"x8"x1/2"	20.76	BP-16	S-D	4'-0"	19'-0"	239
S50-60-9	164'-0"	645	8'-2"	12'-2"	10 STD	4 STD	47.95	29'-0"	14 STD	0.375	L8"x8"x5/16"	15.29	BP-14	S-D	3'-6"	19'-0"	183
S50-60-11	164'-0"	645	8'-2"	12'-2"	10 STD	4 STD	47.95	36'-0"	16 STD	0.375	L8"x8"x5/16"	18.84	BP-16	S-F	4'-0"	20'-0"	251
S50-60-13	164'-0"	645	8'-2"	12'-2"	10 STD	4 STD	47.95	42'-0"	18 STD	0.375	L8"x8"x5/16"	22.81	BP-18	S-G	4'-0"	22'-0"	276
S50-90-9	164'-0"	968	8'-2"	12'-2"	10 STD	4 STD	47.95	29'-0"	18 STD	0.375	L8"x8"x3/4"	18.55	BP-18	S-F	4'-0"	20'-0"	251
S50-90-11	164'-0"	968	8'-2"	12'-2"	10 STD	4 STD	47.95	36'-0"	20 STD	0.375	L8"x8"x3/4"	22.74	BP-20	S-H	4'-0"	22'-0"	276
S50-90-13	164'-0"	968	8'-2"	12'-2"	10 STD	4 STD	47.95	42'-0"	20 XS	0.500	L8"x8"x3/4"	31.00	BP-20	S-J	4'-0"	23'-0"	289
S55-30-9	180'-0"	322	8'-2"	12'-2"	8 STD	4 STD	43.43	29'-0"	12 STD	0.375	L8"x8"x1/2"	14.21	BP-12	S-B	3'-6"	17'-0"	164
S55-30-11	180'-0"	322	8'-2"	12'-2"	8 STD	4 STD	43.43	36'-0"	12 STD	0.375	L8"x8"x1/2"	16.29	BP-12	S-C	3'-6"	17'-0"	164
S55-30-13	180'-0"	322	8'-2"	12'-2"	8 STD	4 STD	43.43	42'-0"	16 STD	0.375	L8"x8"x1/2"	20.76	BP-16	S-D	4'-0"	19'-0"	239
S55-60-9	180'-0"	645	8'-2"	12'-2"	10 STD	4 STD	52.53	29'-0"	16 STD	0.375	L8"x8"x5/16"	16.34	BP-16	S-D	4'-0"	19'-0"	239
S55-60-11	180'-0"	645	8'-2"	12'-2"	10 STD	4 STD	52.53	36'-0"	16 STD	0.375	L8"x8"x5/16"	18.84	BP-16	S-F	4'-0"	20'-0"	251
S55-60-13	180'-0"	645	8'-2"	12'-2"	10 STD	4 STD	52.53	42'-0"	20 STD	0.375	L8"x8"x5/16"	24.27	BP-20	S-H	4'-0"	22'-0"	276
S55-90-9	180'-0"	968	8'-2"	12'-2"	12 STD	4 STD	59.37	29'-0"	18 STD	0.375	L8"x8"x3/4"	18.55	BP-18	S-F	4'-0"	20'-0"	251
S55-90-11	180'-0"	968	8'-2"	12'-2"	12 STD	4 STD	59.37	36'-0"	20 STD	0.375	L8"x8"x3/4"	22.74	BP-20	S-H	4'-0"	22'-0"	276
S55-90-13	180'-0"	968	8'-2"	12'-2"	12 STD	4 STD	59.37	42'-0"	20 XS	0.500	L8"x8"x3/4"	31.00	BP-20	S-J	4'-0"	23'-0"	289
S60-30-9	196'-0"	322	8'-2"	12'-2"	10 STD	4 STD	57.10	29'-0"	12 STD	0.375	L8"x8"x1/2"	14.21	BP-12	S-B	3'-6"	17'-0"	164
S60-30-11	196'-0"	322	8'-2"	12'-2"	10 STD	4 STD	57.10	36'-0"	14 STD	0.375	L8"x8"x1/2"	17.08	BP-14	S-C	3'-6"	17'-0"	164
S60-30-13	196'-0"	322	8'-2"	12'-2"	10 STD	4 STD	57.10	42'-0"	16 STD	0.375	L8"x8"x1/2"	20.76	BP-16	S-D	4'-0"	19'-0"	239
S60-60-9	196'-0"	645	8'-2"	12'-2"	10 STD	4 STD	57.10	29'-0"	16 STD	0.375	L8"x8"x5/16"	16.34	BP-16	S-E	4'-0"	19'-0"	239
S60-60-11	196'-0"	645	8'-2"	12'-2"	10 STD	4 STD	57.10	36'-0"	18 STD	0.375	L8"x8"x3/16"	20.09	BP-18	S-F	4'-0"	20'-0"	251
S60-60-13	196'-0"	645	8'-2"	12'-2"	10 STD	4 STD	57.10	42'-0"	20 STD	0.375	L8"x8"x3/16"	24.27	BP-20	S-H	4'-0"	22'-0"	276
S60-90-9	196'-0"	968	8'-2"	12'-2"	12 STD	4 STD	64.56	29'-0"	18 STD	0.375	L8"x8"x3/4"	18.55	BP-18	S-F	4'-0"	20'-0"	251
S60-90-11	196'-0"	968	8'-2"	12'-2"	12 STD	4 STD	64.56	36'-0"	20 STD	0.375	L8"x8"x3/4"	22.74	BP-20	S-H	4'-0"	22'-0"	276
S60-90-13	196'-0"	968	8'-2"	12'-2"	12 STD	4 STD	64.56	42'-0"	20 XS	0.500	L8"x8"x3/4"	31.00	BP-20	S-J	4'-0"	23'-0"	289
S65-30-9	213'-0"	322	8'-2"	12'-2"	10 STD	4 STD	62.38	29'-0"	12 STD	0.375	L8"x8"x1/2"	14.21	BP-12	S-C	3'-6"	17'-0"	164
S65-30-11	213'-0"	322	8'-2"	12'-2"	10 STD	4 STD	62.38	36'-0"	14 STD	0.375	L8"x8"x1/2"	17.08	BP-14	S-D	3'-6"	19'-0"	183
S65-30-13	213'-0"	322	8'-2"	12'-2"	10 STD	4 STD	62.38	42'-0"	16 STD	0.375	L8"x8"x1/2"	20.76	BP-16	S-E	4'-0"	19'-0"	239
S65-60-9	213'-0"	645	8'-2"	12'-2"	12 STD	4 STD	70.44	29'-0"	16 STD	0.375	L8"x8"x5/16"	16.34	BP-16	S-E	4'-0"	19'-0"	239
S65-60-11	213'-0"	645	8'-2"	12'-2"	12 STD	4 STD	70.44	36'-0"	18 STD	0.375	L8"x8"x3/16"	20.09	BP-18	S-G	4'-0"	22'-0"	276
S65-60-13	213'-0"	645	8'-2"	12'-2"	12 STD	4 STD	70.44	42'-0"	20 STD	0.375	L8"x8"x3/16"	24.27	BP-20	S-H	4'-0"	22'-0"	276
S65-90-9	213'-0"	968	8'-2"	12'-2"	12 XS	5 STD	95.23	29'-0"	20 STD	0.375	L8"x8"x3/4"	19.58	BP-20	S-G	4'-0"	22'-0"	276
S65-90-11	213'-0"	968	8'-2"	12'-2"	12 XS	5 STD	95.23	36'-0"	20 XS	0.500	L8"x8"x3/4"	27.14	BP-20	S-I	4'-0"	23'-0"	289
S65-90-13	213'-0"	968	8'-2"	12'-2"	12 XS	5 STD	95.23	42'-0"	20 XS	0.500	L8"x8"x3/4"	31.00	BP-20	S-K	4'-0"	25'-0"	314

INDICATES INFORMATION NOT RELEVANT TO PROPOSED WORK

NOTES:

1. STRUCTURE TYPE
   EXAMPLE: S15-30-9
   - SPAN
   - MAX. SPAN LENGTH
   - MAX. NOMINAL POST HEIGHT
   - MAX. SIGN AREA

   (NOTE: DESIGNATIONS ARE BASED ON THE ORIGINAL METRIC DIMENSIONING)
2. FOR SHAFT AND RECTANGULAR FOOTING DETAILS, SEE DWG. NO. OSD-03.
3. SHAFT LENGTHS AND CONCRETE QUANTITIES ARE FOR SHAFTS IN S (SOIL) SUBSTRATES AS INDICATED IN THE SUBSTRATE COLUMNS ON DWG. NO. OSD-01. FOR SHAFTS IN R (ROCK) SUBSTRATES OR SPECIAL FOUNDATIONS, ADJUST QUANTITIES AS NECESSARY FOR BID PURPOSES IN ACCORDANCE WITH DWG. NO. OSD-03 OR SPECIAL FOUNDATION DRAWINGS.
4. SIGN HEIGHT, AS SHOWN ON DWG. NO. OSD-09, SHALL BE A MAXIMUM OF 19'-6".
5. SHAFT CONCRETE QUANTITY SHOWN IS FOR A SINGLE SHAFT. MULTIPLY BY THE NUMBER OF SHAFTS REQUIRED (TWO PER FOUNDATION) FOR BID QUANTITY PURPOSES.
6. TRUSS WEIGHTS SHOWN ARE BASED ON MAXIMUM SPAN LENGTH AND REFLECT THE OPTIONAL DOUBLE ANGLE SUBSTITUTION FOR HORIZONTAL DIAGONALS, STRUTS, AND CROSS BRACES AS SHOWN IN THE TABLE ON DWG. NO. OSD-07. TRUSS WEIGHTS DO NOT INCLUDE SIGN WEIGHT.
7. END FRAME WEIGHTS SHOWN INCLUDE BOTH END FRAMES AND ARE BASED ON MAXIMUM NOMINAL POST HEIGHT AND SINGLE ANGLE DIAGONALS.
8. PIPE SIZES SHALL BE BASED ON DIMENSIONS FROM ASTM A53.
9. FABRICATORS SHALL PLACE ALL SHIPPING WEIGHTS ON SHOP DRAWINGS.
10. THESE TABLES ARE FOR USE WITH 1/8" THICK ALUMINUM FLAT PANEL SIGNS ONLY.

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. OZOG
CHECKED BY: M. OZOG

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

POPLI DESIGN GROUP

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES SPAN STRUCTURES SELECTION TABLE
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSD-02

FOUNDATION TABLE

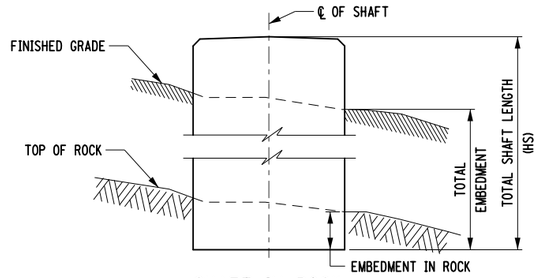
TYPE	FOOTING ON SOIL							FOOTING ON ROCK							PEDESTAL/SHAFT VERTICAL REINFORCEMENT (SEE NOTE 11)	
	SIZE			H	* TOTAL CONCRETE QUANTITY (ft.³)		LONG. REINF. T & B SIZE	TRANS. REINF. T & B SIZE	SIZE			H	* TOTAL CONCRETE QUANTITY (ft.³)		LONG. REINF. T & B SIZE	TRANS. REINF. T & B SIZE		
	L	W	T		3'-6" PED.	4'-0" PED.			L	W	T		3'-6" PED.	4'-0" PED.			NO. OF BARS	SIZE
S-A	18'-1"	6'-11"	2'-0"	8'-6"	375.2	—	*5(G)	*5(G)	16'-5"	6'-11"	2'-0"	8'-6"	352.2	—	*5(G)	*5(G)	16	*5(G)
S-B	19'-1"	8'-7"	2'-0"	8'-10"	459.1	499.3	*6(G)	*5(G)	18'-5"	7'-7"	2'-8"	8'-6"	484.7	519.0	*6(G)	*5(G)	18	*5(G)
S-C	21'-0"	8'-11"	2'-8"	8'-10"	618.0	654.3	*7(G)	*5(G)	19'-0"	8'-6"	3'-0"	8'-10"	596.8	631.1	*6(G)	*5(G)	16	*6(G)
S-D	23'-0"	9'-7"	3'-0"	9'-2"	779.9	816.2	*7(G)	*5(G)	20'-0"	8'-10"	3'-7"	8'-10"	734.1	765.0	*6(G)	*5(G)	16	*6(G)
S-E	24'-0"	9'-11"	3'-7"	9'-2"	—	993.2	*7(G)	*5(G)	20'-0"	9'-10"	3'-7"	9'-2"	—	845.1	*6(G)	*6(G)	18	*6(G)
S-F	25'-7"	10'-6"	3'-7"	9'-6"	—	1111.3	*8(G)	*5(G)	20'-0"	11'-2"	4'-0"	9'-6"	—	1031.6	*6(G)	*8(G)	18	*6(G)
S-G	25'-11"	11'-2"	4'-0"	9'-6"	—	1295.8	*8(G)	*5(G)	20'-4"	11'-6"	4'-0"	9'-6"	—	1073.6	*7(G)	*8(G)	16	*7(G)
S-H	26'-7"	11'-2"	4'-0"	9'-6"	—	3000.4	*8(G)	*5(G)	21'-0"	12'-2"	4'-0"	9'-10"	—	1168.6	*7(G)	*8(G)	16	*7(G)
S-I	26'-11"	11'-6"	4'-0"	9'-6"	—	1376.4	*8(G)	*5(G)	21'-0"	12'-6"	4'-0"	9'-10"	—	1196.6	*7(G)	*8(G)	16	*7(G)
S-J	26'-11"	12'-2"	4'-0"	9'-10"	—	1456.6	*8(G)	*5(G)	21'-8"	12'-6"	4'-7"	9'-10"	—	1373.3	*7(G)	*8(G)	18	*7(G)
S-K	27'-11"	12'-2"	4'-7"	9'-10"	—	1688.7	*8(G)	*5(G)	21'-8"	13'-2"	4'-7"	10'-2"	—	1447.9	*7(G)	*8(G)	16	*8(G)

* NOTE: TOTAL CONCRETE QUANTITY INCLUDES FOOTING AND PEDESTAL CONCRETE.

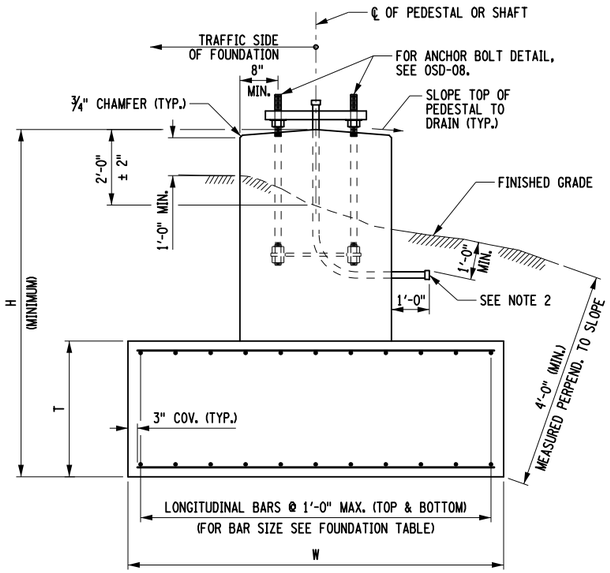
FOUNDATION ITEM NUMBERS	
FOUNDATION TYPE (SEE NOTE 3)	ITEM NUMBER
SHAFT	644.20
FOOTING	644.30

NOTES:

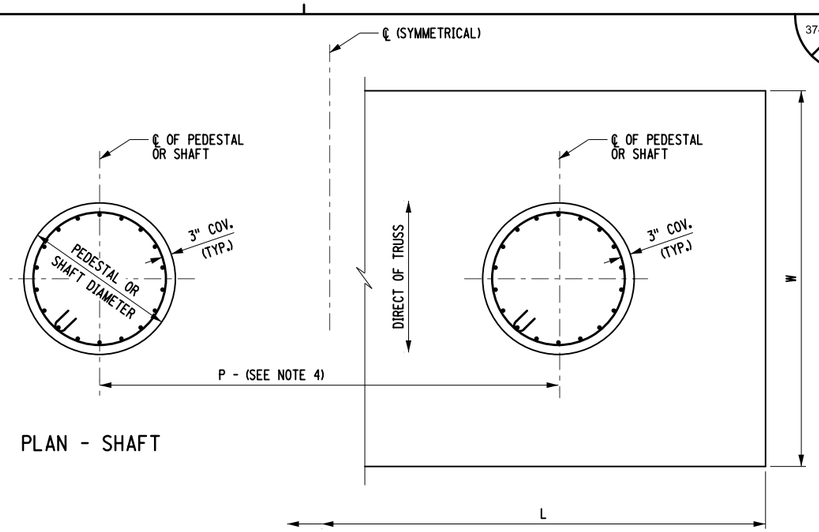
1. FOR DETAILS OF ANCHOR BOLTS AND TEMPLATES SEE DWG. NO. OSD-08.
2. INSTALL ONE NPS 2 STD GALVANIZED CONDUIT IN EACH FOUNDATION AT PEDESTAL OR SHAFT AT FACE OF STRUCTURE WHERE SIGNS ARE MOUNTED. OMIT IF SIGN LIGHTING IS NOT IN THE CONTRACT.
3. FOR FOUNDATION TYPE, SEE DWG. NO. OSD-01.
4. FOR POST SPACING (P), PEDESTAL AND SHAFT DIAMETER, SHAFT LENGTH (HS) AND CONCRETE QUANTITY WHEN IN SUBSTRATE TYPE S (SOIL), SEE DWG. NO. OSD-02.
5. WHERE A FOOTING IS TO BE PLACED ON ROCK, REMOVE ALL DISINTEGRATED OR SHATTERED MATERIAL TO LINES AND LEVELS ORDERED BY THE ENGINEER. IF TOP OF SOUND ROCK IS BELOW PLANNED ELEVATION OF BOTTOM OF FOOTING, BACKFILL WITH CONCRETE FOR STRUCTURES, PERFORMANCE TO THE PLANNED ELEVATION, OR PROCEED AS ORDERED BY THE ENGINEER. IF TOP OF SOUND ROCK IS ABOVE PLANNED ELEVATION OF BOTTOM OF FOOTING, SEE NOTE 10 AND PROCEED AS ORDERED BY THE ENGINEER. ROCK REMOVED BELOW THE ELEVATION DIRECTED BY THE ENGINEER AND BEYOND THE FACE OF THE FINISHED FOOTING, SHALL BE REPLACED BY BACKFILL OF CONCRETE FOR STRUCTURES, PERFORMANCE FOR WHICH NO PAYMENT WILL BE MADE.
6. THE GEOTECHNICAL ENGINEERING BUREAU SHALL BE CONSULTED UNDER THE FOLLOWING CIRCUMSTANCES:
   A. FOOTING OR SHAFT IS PLACED IN SOFT CLAY OR ORGANIC DEPOSITS.
   B. GROUNDWATER ELEVATION IS ABOVE BOTTOM OF FOOTING OR SHAFT.
   C. UNANTICIPATED ROCK IS ENCOUNTERED WITHIN THE DEPTH OF THE SHAFT.
   D. DEPTH TO SOUND ROCK FOR SHAFTS DIFFERS FROM THAT INDICATED ON DWG. NO. OSD-01.
   E. SLOPE OF FINISHED GRADE EXCEEDS 1 ON 2.
7. ANY DRILLING OF ROCK FOR SHAFT FOUNDATIONS SHALL BE PERFORMED FROM THE EXISTING EARTH SURFACE THROUGH THE AUGER HOLE FORMED DURING THE DRILLING OPERATION. CASING, IF USED, SHALL BE REMOVED PRIOR TO PLACING SHAFT CONCRETE.
8. HEIGHT OF PEDESTAL OR LENGTH OF SHAFT MAY BE INCREASED AS ORDERED BY THE ENGINEER AS MUCH AS 1'-8" IF NECESSARY TO REACH GOOD FOUNDATION MATERIAL.
9. THE MINIMUM SHAFT DIAMETER SHALL BE BOLT CIRCLE DIAMETER + 8"
10. EXCAVATION, BACKFILL, FORM WORK, REINFORCEMENT, CONDUIT STUB-OUT AND ALL OTHER LABOR AND MATERIALS NECESSARY TO CONSTRUCT THE FOUNDATIONS SHALL BE INCLUDED IN THE PRICE BID FOR THE FOUNDATION CONCRETE.
11. THE FOOTINGS SHOWN HAVE BEEN DESIGNED USING THE SOIL OVERBURDEN TO RESIST OVERTURNING. IF IT IS DETERMINED THAT THE FOOTING DEPTH NEEDS TO BE REDUCED, CONTACT THE GEOTECHNICAL ENGINEERING BUREAU.
12. (G) DENOTES HOT-DIP GALVANIZED REINFORCEMENT.
13. SIGN STRUCTURE FOUNDATIONS WERE DESIGNED USING A CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.



SHAFT IN ROCK

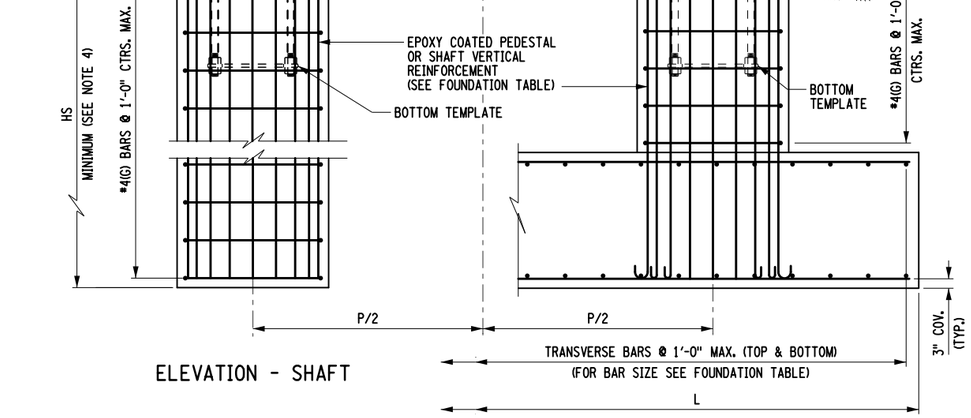


END ELEVATION
(VERTICAL REINFORCEMENT NOT SHOWN)
(FOOTING SHOWN, SHAFT SIMILAR TO PEDESTAL PORTION OF DETAIL)



PLAN - SHAFT

PLAN - FOOTING



ELEVATION - SHAFT

SIDE ELEVATION - FOOTING

CUSTOM FOUNDATION PROPERTIES														
	LEFT POST							RIGHT POST						
S.I.N	SHAFT PROPERTIES			SHAFT VERT. REIN.		SHAFT TRANS. REINFORCEMENT		SHAFT PROPERTIES			SHAFT VERT. REIN.		SHAFT TRANS. REINFORCEMENT	
	DIAMETER (ft.)	LENGTH (ft.)	CONC. QTY (CY)	NO. BARS	SIZE	O.C. SPACING (FT)	SIZE	DIAMETER (ft.)	LENGTH (ft.)	CONC. QTY (CY)	NO. BARS	SIZE	O.C. SPACING (FT)	SIZE
S 900.38	4'-0"	20'-6" (4'-0")	9.5	19	*8(G)	1'-0"	*4(G)	4'-0"	22'-6" (4'-0")	10.5	19	*8(G)	1'-0"	*4(G)
S 900.95	4'-0"	35'-0" (3'-0")	16.3	24	*8(G)	1'-0"	*4(G)	4'-0"	35'-0" (3'-0")	16.3	24	*8(G)	1'-0"	*4(G)
S 901.41	4'-0"	36'-0" (2'-0")	16.8	22	*8(G)	1'-0"	*4(G)	4'-0"	36'-0" (2'-0")	16.8	22	*8(G)	1'-0"	*4(G)
S 903.13	3'-6"	53'-0" (3'-0")	18.9	19	*8(G)	1'-0"	*4(G)	3'-6"	50'-6" (3'-0")	18.0	19	*8(G)	1'-0"	*4(G)
S 904.16	3'-6"	23'-0" (3'-0")	8.2	22	*8(G)	1'-0"	*4(G)	3'-6"	24'-0" (3'-0")	8.6	22	*8(G)	1'-0"	*4(G)

NOTE: DIMENSIONS SHOWN IN PARENTHESIS APPLY TO ROCK SOCKET WHERE NECESSARY

ALTERED ON:

AFFIXED ON: 12/29/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · LICENSED PROFESSIONAL ENGINEER · 103716

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

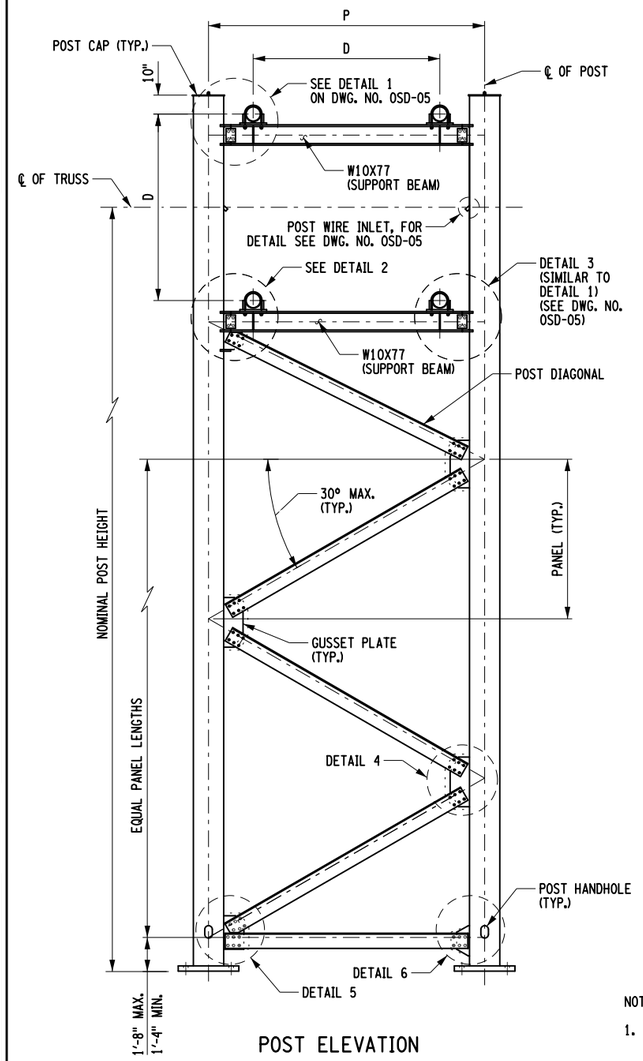
NEW YORK STATE Thruway Authority

PDG POPLI DESIGN GROUP

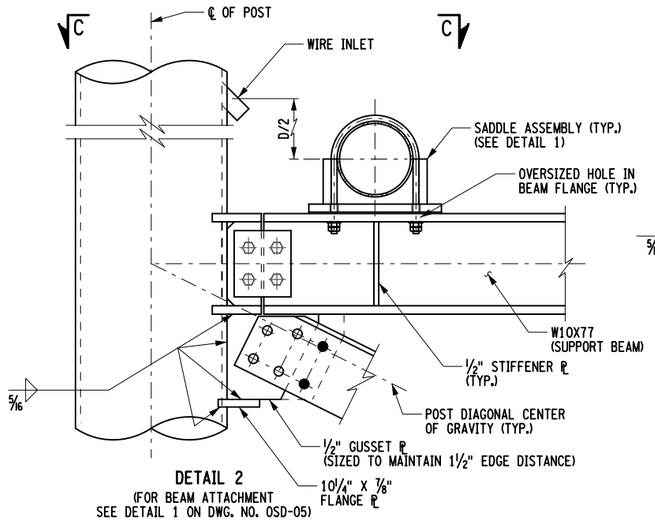
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES SPAN STRUCTURES FOUNDATION DETAILS

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: OSD-03

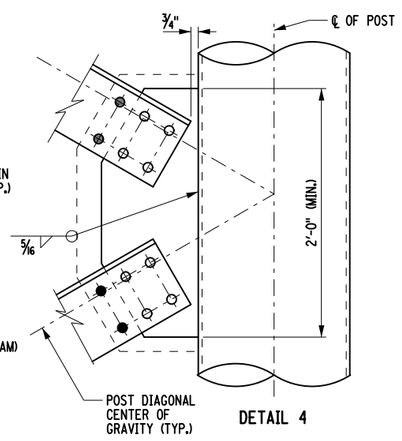
DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: Q. WANG



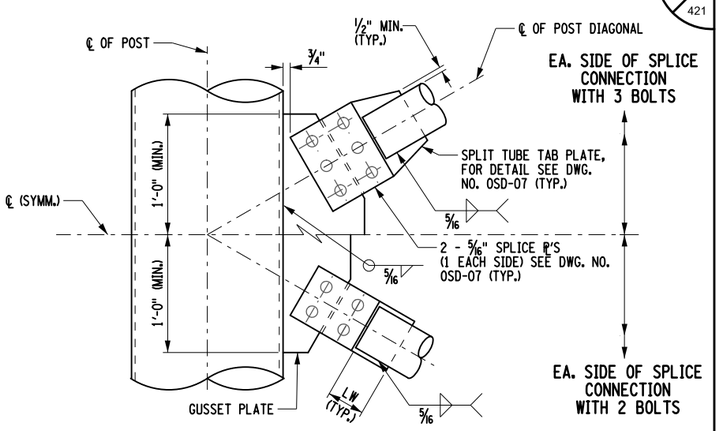
POST ELEVATION



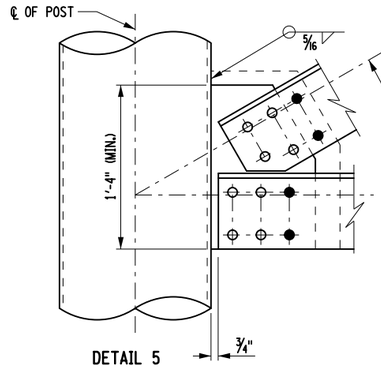
DETAIL 2
(FOR BEAM ATTACHMENT SEE DETAIL 1 ON DWG. NO. OSD-05)



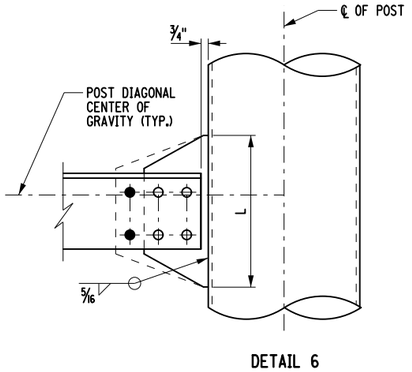
DETAIL 4



TUBE CONNECTION
TYPICAL OPTIONAL SPLIT

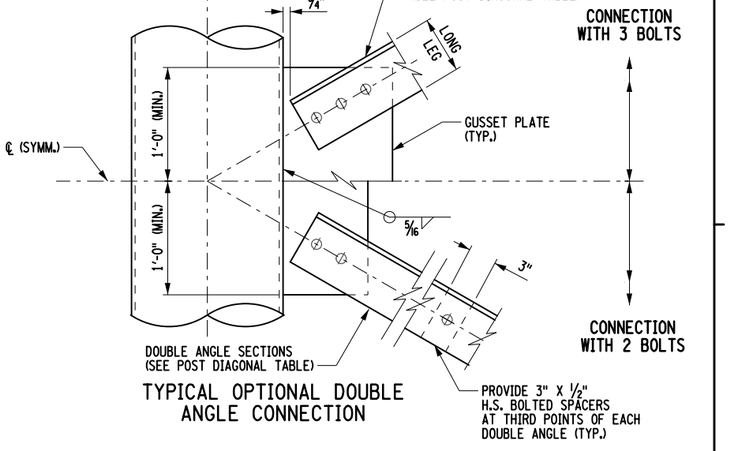


DETAIL 5



DETAIL 6

TYPICAL POST CONNECTION DETAILS
(SHOWN FOR FOUR OR SIX BOLT CONNECTIONS OF POST DIAGONAL)



TYPICAL OPTIONAL DOUBLE ANGLE CONNECTION

NOTES:

1. PLACE HANDHOLES OPPOSITE TRAFFIC. FOR DETAIL SEE DWG. NO. OSD-08.
2. FOR POST CAP DETAILS, SEE DWG. NO. OSD-08.
3. FOR DETAILS 1 AND 3 AND SECTION C-C SEE DWG. NO. OSD-05.
4. ALL BOLTS SHALL BE HIGH STRENGTH ⅞" DIA. IN STANDARD HOLES, UNLESS OTHERWISE NOTED.
5. GUSSET AND SPLIT TUBE TAB PLATES SHALL BE ½" THICK UNLESS OTHERWISE NOTED.
6. BOLTS DESIGNATED AS ● ARE FOR SIX BOLT CONNECTIONS ONLY.
7. TOP SUPPORT BEAMS SHALL BE INSTALLED AFTER TRUSS HAS BEEN ERECTED AND LEVELED.
8. A POST WIRE INLET SHALL BE INSTALLED ADJACENT TO EACH TRUSS FACE CARRYING A LIGHTED SIGN PANEL. FOR DETAIL, SEE DWG. NO. OSD-05.
9. FOR SPAN SELECTION TABLE AND DIMENSIONS P AND D, SEE DWG. NO. OSD-02.

POST DIAGONAL				
SINGLE ANGLE SIZE	L MIN.	OPTIONAL SPLIT TUBE		OPTIONAL DOUBLE ANGLE
		PIPE NPS	LW MIN.	ANGLE SIZE
L8"x8"x½"	1'-1"	4 STD	3"	2-L4"x3"x⅜"
L8"x8"x9/16"	1'-2"	5 STD	4"	2-L6"x4"x⅜"
L8"x8"x⅝"	1'-3"	5 STD	4"	2-L6"x4"x⅜"
L8"x8"x¾"	1'-4"	5 STD	4"	2-L6"x4"x⅜"

SPAN LENGTH (ft.)	SIGN AREA (ft.²)	NUMBER OF BOLTS IN DIAGONAL CONNECTION		
		SINGLE ANGLE	SPLIT TUBE (EACH SIDE OF SPLICE)	DOUBLE ANGLE
≤ 164'	ALL	4	2	2
180'	UP TO 645	4	2	2
ALL OTHERS	ALL	6	3	3

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/29/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
MATTHEW CLARENCE BEDFORD
103716
LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

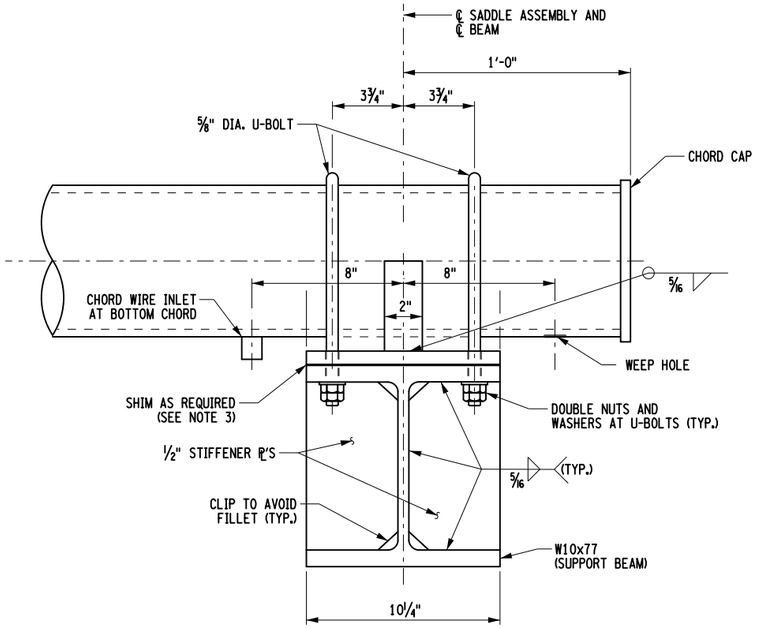
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

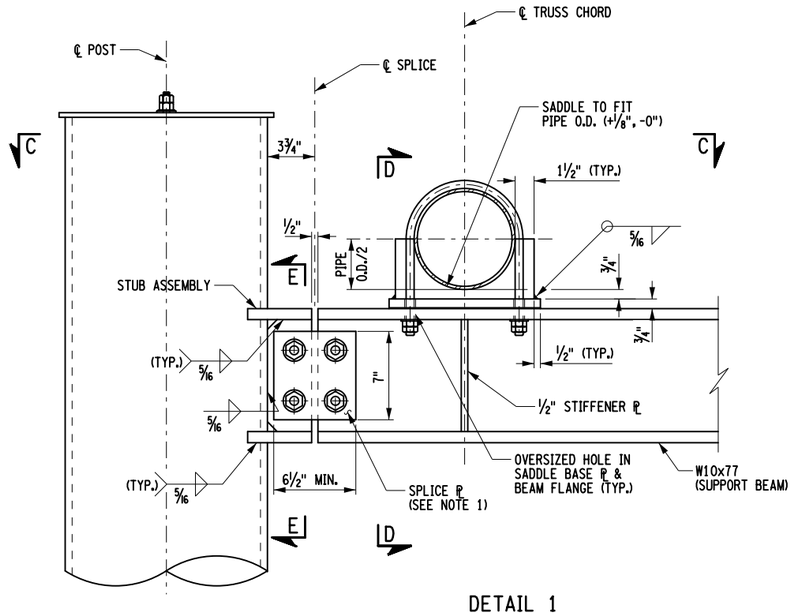
PDG POPLI DESIGN GROUP

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES SPAN STRUCTURES POST DETAILS (SHEET 1 OF 2)

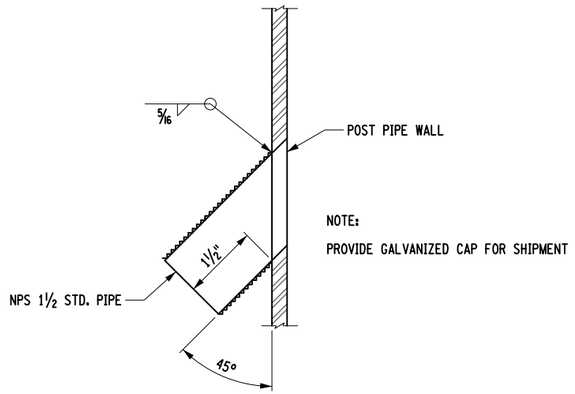
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: OSD-04



SECTION D-D



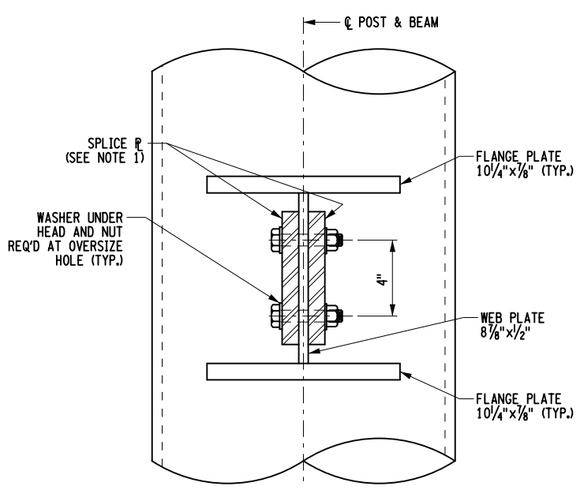
DETAIL 1
(DETAIL 3 SIMILAR, OPPOSITE HAND)



POST WIRE
INLET DETAIL

NOTE:

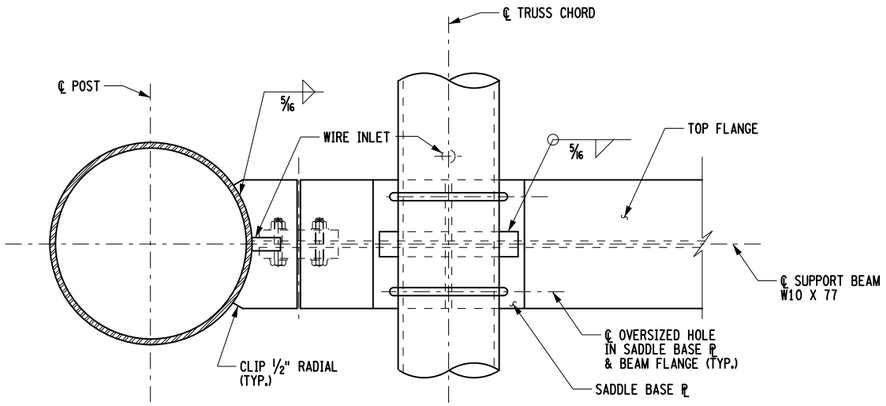
ONLY REQUIRED WHEN LIGHTING ON STRUCTURE.



SECTION E-E

NOTE:

STUB MAY BE FABRICATED FROM W10X77 OR WELDED ASSEMBLY AS SHOWN.



SECTION C-C

NOTES:

1. SPLICE PLATES SHALL BE ⅝" THICK AT TOP BEAM CONNECTIONS, ⅜" THICK AT LOWER BEAM CONNECTIONS. HOLES IN WEB PLATES AT TOP BEAM AND HOLES IN LOWER BEAM CONNECTION SHALL BE STANDARD. HOLES IN TOP BEAM SPLICE PLATES MAY BE OVERSIZE.
2. FOR LOCATION OF DETAILS 1 AND 3, SEE DWG. NO. OSD-04.
3. SADDLE ASSEMBLIES SHALL BE SHIMMED AS REQUIRED TO PROVIDE LEVEL SEAT FOR CHORD WHEN ALL DEAD LOADS ARE APPLIED. VARIABLE THICKNESS SHIM PACKS SHALL BE PROVIDED. THE MAXIMUM ACCEPTABLE GAP SHALL BE 1/16". SHIMS SHALL HAVE OVERSIZE HOLES TO ACCEPT ⅝" U-BOLTS. ALL SHIMS SHALL BE GALVANIZED STEEL.
4. FOR CHORD WIRE INLET DETAIL, SEE DWG. NO. OSD-01.
5. FOR CHORD CAP DETAILS, SEE DWG. NO. OSD-08.

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

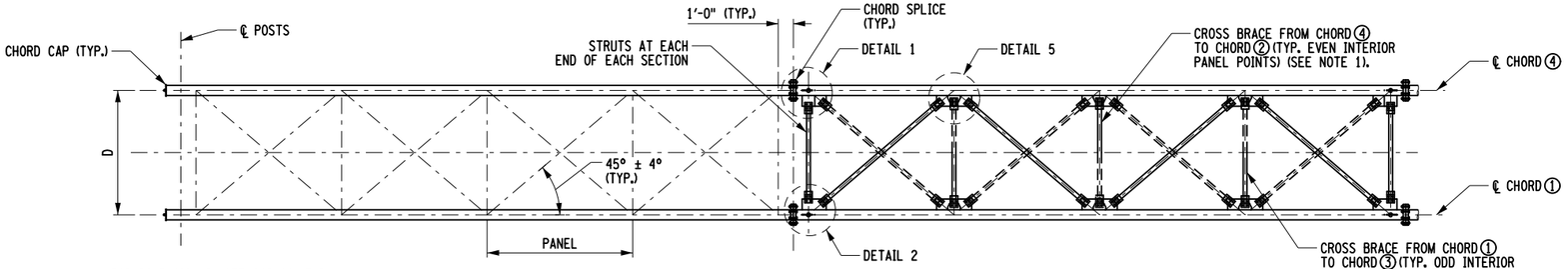
REVISIONS

DATE	DESCRIPTION	BY	SYM.

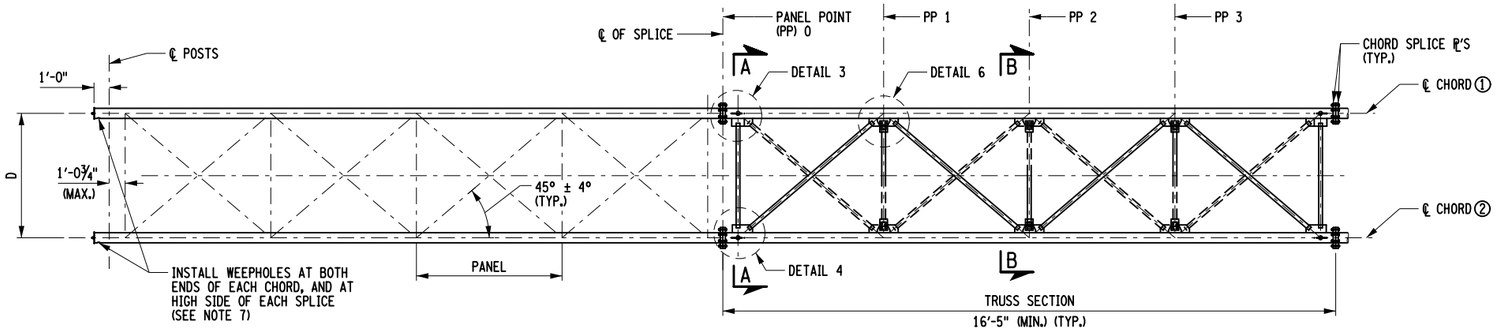
NEW YORK STATE | Thruway Authority

PDG Popli Design Group

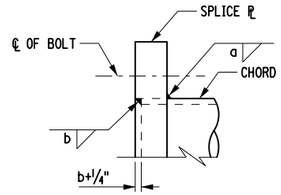
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES SPAN STRUCTURES POST DETAILS (SHEET 2 OF 2)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSD-05



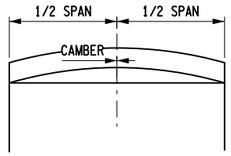
TOP VIEW OF TRUSS



FRONT VIEW OF TRUSS

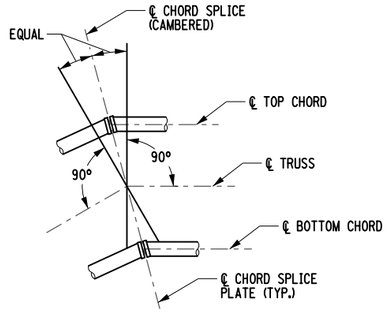


TYPICAL CHORD SPLICE WELD DETAIL

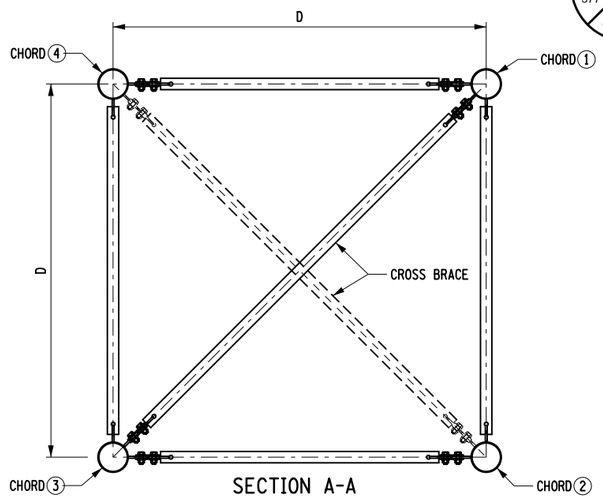


CAMBER REQUIRED

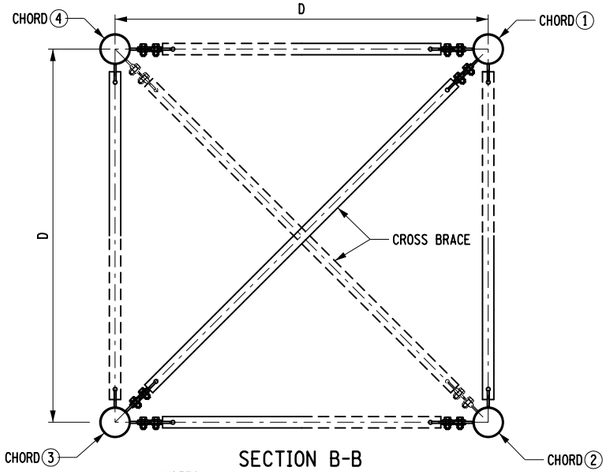
CAMBER TABLE	
MAX. SPAN	CAMBER
49'-2½"	¾"
65'-7½"	1 3/16"
82'-0¼"	1½"
98'-5⅛"	2"
114'-10"	2⅜"
131'-2¾"	2¾"
147'-7⅞"	3⅛"
164'-0"	4"
180'-5 5/16"	4¾"
196'-10¼"	5½"
213'-3"	7"



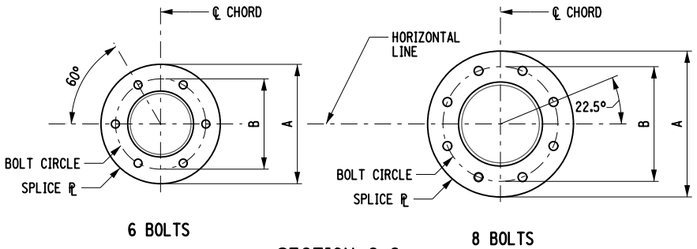
CAMBER DETAIL
(SEE NOTE 2)



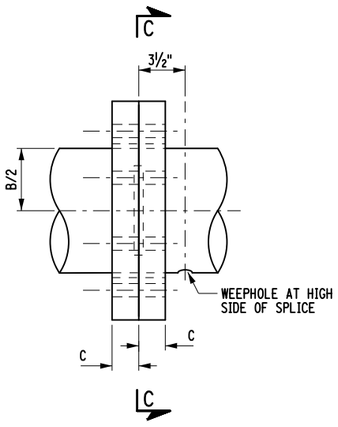
SECTION A-A



SECTION B-B



SECTION C-C
CHORD SPLICE DETAILS



ELEVATION

CHORD SPLICE TABLE							
CHORD NPS	PLATE			HIGH STRENGTH BOLTS		FILLET WELD	
	A	B	C	NUMBER	DIA.	a	b
5 STD	1'-1"	10"	1½"	6	⅞"	5/16"	¼"
6 STD	1'-1½"	10¼"	1½"	6	⅞"	5/16"	¼"
8 STD	1'-4½"	1'-1"	2"	8	1"	⅜"	¼"
10 STD	1'-6"	1'-2½"	2"	8	1"	⅜"	¼"
12 STD	1'-9¼"	1'-5¼"	2⅜"	8	1⅛"	½"	5/16"
12 XS	1'-10"	1'-6"	2⅜"	8	1¼"	½"	⅜"

NOTES:

1. THE CROSS BRACING SHALL BRACE THE TRUSS CHORD MIDWAY BETWEEN HORIZONTAL DIAGONAL CONNECTION POINTS, SO THAT EACH CHORD OF THE TRUSS IS BRACED HORIZONTALLY AT EACH PANEL POINT BY A HORIZONTAL DIAGONAL, A HORIZONTAL STRUT, OR A CROSS BRACE.
2. CAMBER SHALL BE OBTAINED BY INCREASING THE TOP CHORD LENGTHS AND DECREASING THE BOTTOM CHORD LENGTHS AS SHOWN. CHORD ENDS AND SPLICE PLATES SHALL BE PREPARED TO THE PROPER ANGLE BEFORE SPLICE PLATES ARE WELDED TO THE CHORDS.
3. FOR DETAILS 1 THRU 6, SEE DWG. NO. OSD-07.
4. FOR DETAIL OF CHORD WIRE INLET, SEE DWG. NO. OSD-01.
5. FOR CHORD CAP DETAIL, SEE DWG. NO. OSD-08.
6. BOLT HOLES FOR CHORD SPLICES SHALL BE ⅛" LARGER THAN BOLT DIAMETER.
7. WEEP HOLES SHALL BE ⅜" DIAMETER DRILLED HOLES AT CENTERLINE OF BOTH TOP AND BOTTOM CHORDS.

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

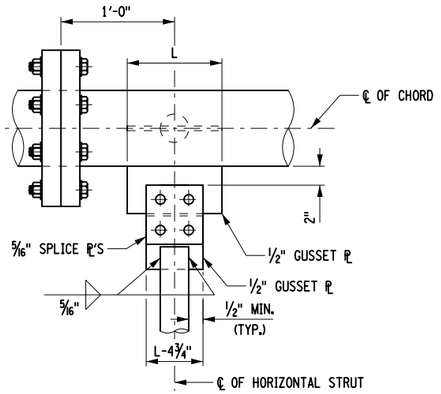
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

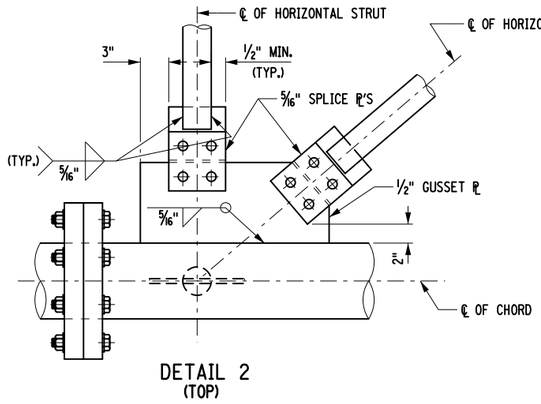
NEW YORK STATE Thruway Authority

PDG POPLI DESIGN GROUP

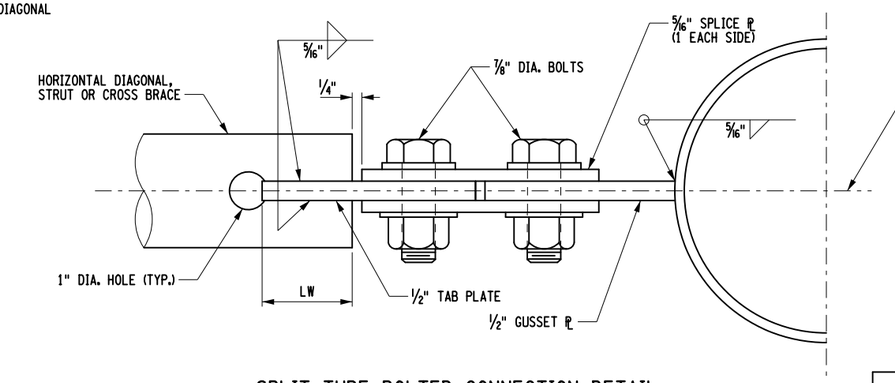
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES SPAN STRUCTURES TRUSS DETAILS (SHEET 1 OF 2)	DRAWING NUMBER: OSD-06



DETAIL 1
(TOP)



DETAIL 2
(TOP)



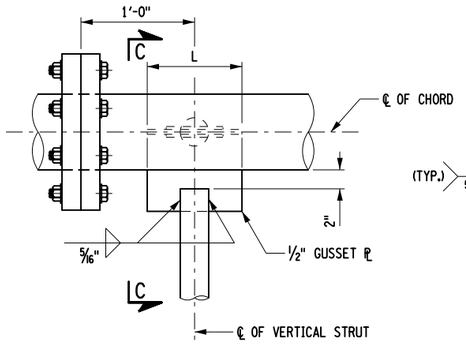
SPLIT TUBE BOLTED CONNECTION DETAIL
(TYPICAL FOR ALL BOLTED TRUSS CONNECTIONS)

DIAGONAL/STRUT AND CROSS BRACE TABLE		
MEMBER SIZE (NPS)	L (MIN.)	LW (MIN.)
2.5 STD.	10"	2 3/8"
3 STD.	10"	2 3/8"
4 STD.	1'-0 3/8"	3 1/8"
5 STD.	1'-2 1/8"	4"

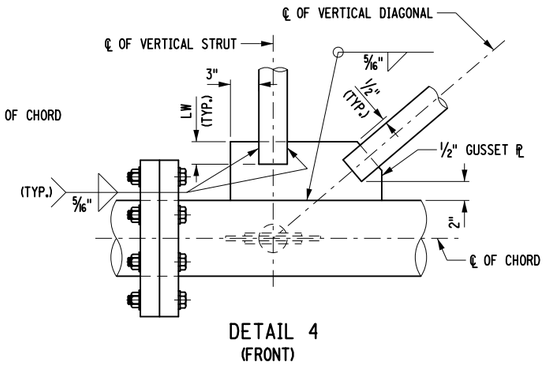
HORIZONTAL DIAGONALS, STRUTS AND CROSS BRACES	
SPLIT TUBE (NPS)	OPTIONAL DOUBLE ANGLE
2.5 STD.	2 L 3"x 2"x 3/8"
3 STD.	2 L 3"x 2 1/2"x 3/8"
4 STD.	2 L 4"x 3"x 3/8"
5 STD.	2 L 6"x 4"x 3/8"

NOTES:

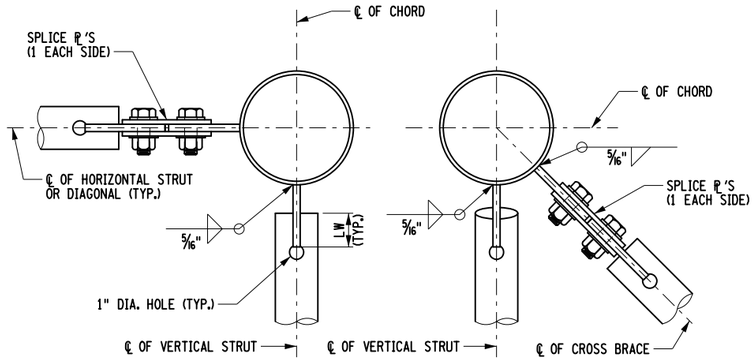
1. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 7/8" DIA. HIGH STRENGTH BOLTS FULLY TIGHTENED. HOLES IN GUSSET AND TAB PLATES SHALL BE STANDARD. HOLES IN BOLTED CONNECTION SPLICE PLATES OR DOUBLE ANGLES MAY BE OVERSIZE. WHERE BOLTS ARE INSTALLED VERTICALLY (OR SEMI-VERTICALLY) THE BOLT SHALL BE INSTALLED WITH THE BOLT HEAD UP.
2. FOR LOCATIONS OF DETAILS, SEE DWG. NO. OSD-06.
3. ALL VERTICAL TRUSS CONNECTIONS SHALL BE WELDED. DOUBLE ANGLES MAY NOT BE SUBSTITUTED FOR VERTICAL TRUSS MEMBERS.
4. FULLY WELDED SPLIT TUBES MAY BE USED IN LIEU OF THE BOLTED CONNECTIONS SHOWN IN DETAILS 4, 5 AND 6, IF GALVANIZING TANKS PERMIT.
5. DETAIL 4 MAY BE SUBSTITUTED FOR DETAIL 1 AT THE FABRICATOR'S DISCRETION.



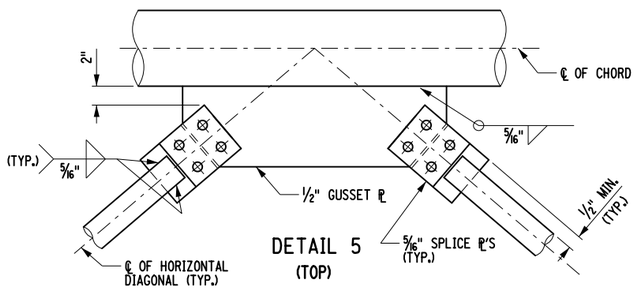
DETAIL 3
(FRONT)



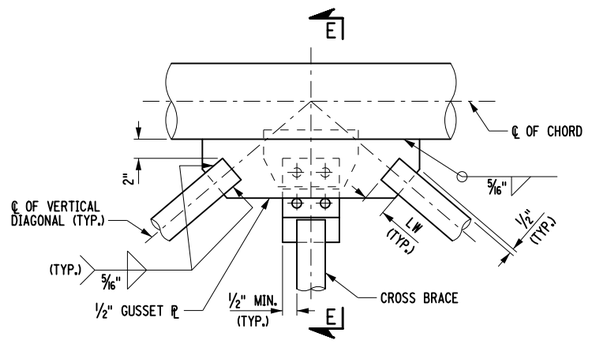
DETAIL 4
(FRONT)



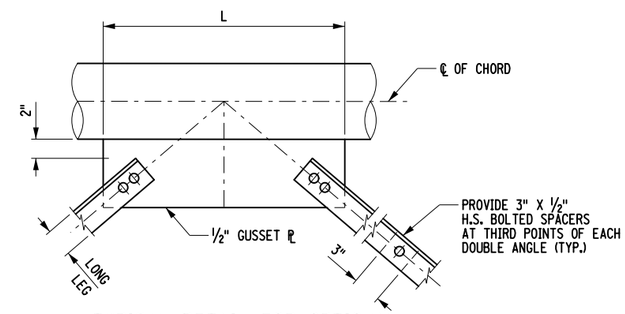
SECTION C-C SECTION E-E



DETAIL 5
(TOP)



DETAIL 6
(FRONT)



TYPICAL DETAIL FOR OPTIONAL DOUBLE ANGLES AT HORIZONTAL DIAGONALS, STRUTS AND CROSS BRACES
(FOR MINIMUM L AT STRUT, SEE DIAGONAL/STRUT AND CROSS BRACE TABLE)

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

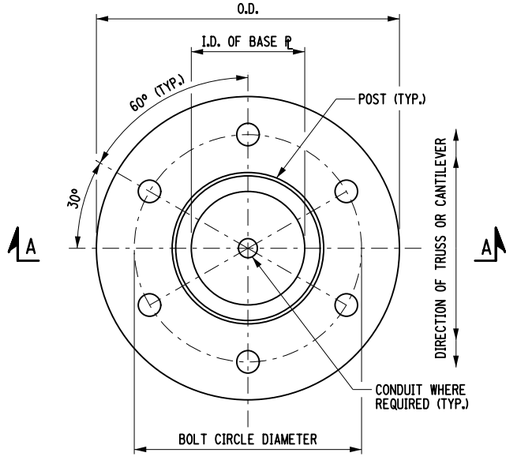
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

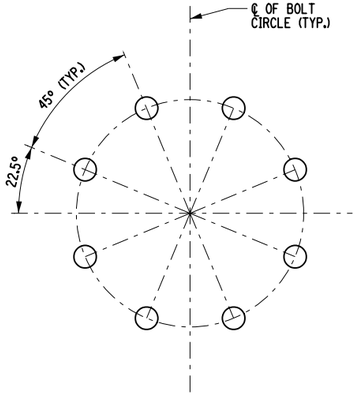
NEW YORK STATE Thruway Authority

PDG Popli Design Group

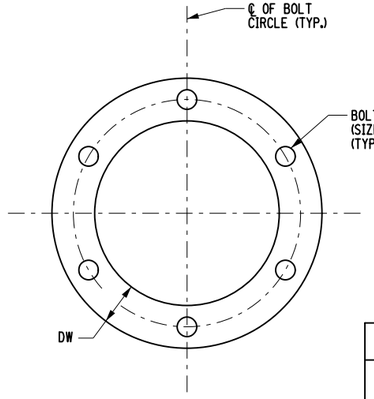
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES SPAN STRUCTURES TRUSS DETAILS (SHEET 2 OF 2)	DRAWING NUMBER: OSD-07



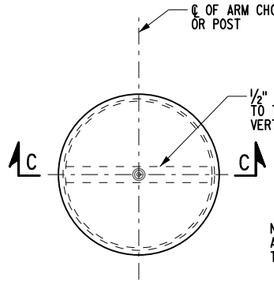
BASE PLATE DETAIL
6 BOLT ARRANGEMENT



BOLT CIRCLE DETAIL
8 BOLT ARRANGEMENT

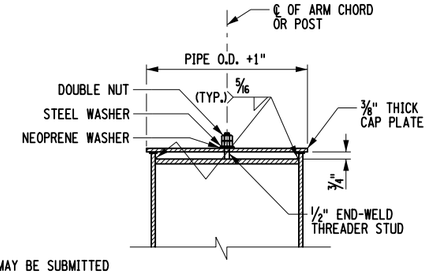


TYPICAL TEMPLATE DETAIL
6 BOLT ARRANGEMENT SHOWN
(8 BOLT AS NECESSARY)



PLAN

NOTE:
ALTERNATE CAP DETAILS MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

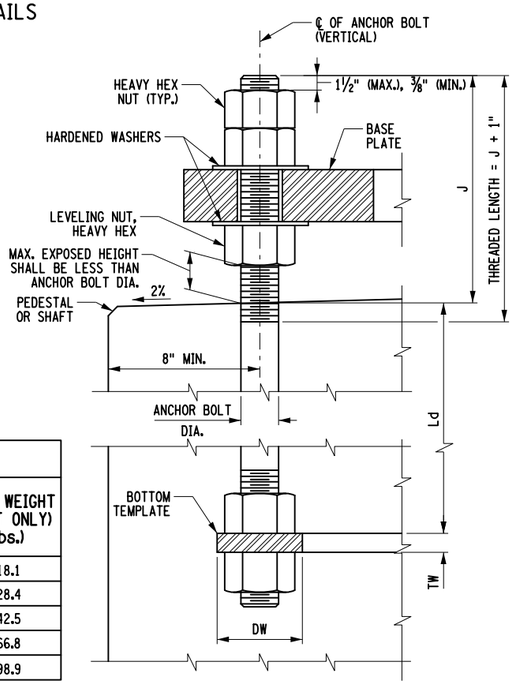


SECTION C-C

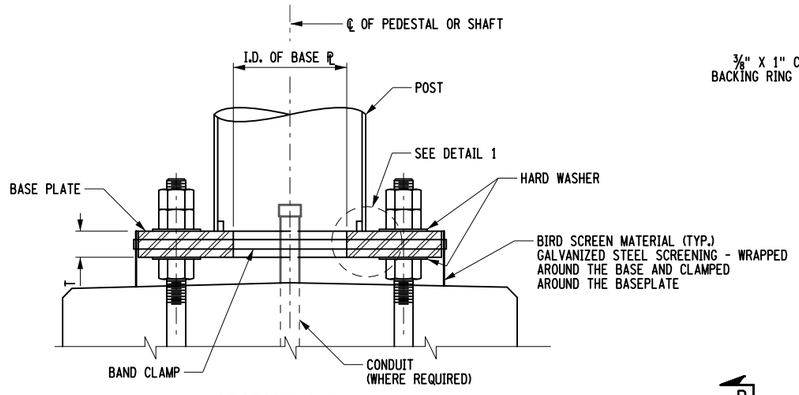
CAP DETAILS

BASE PLATE TABLE							
BASE PLATE TYPE	POST (NPS)	PLATE O.D.	PLATE T	PLATE BOLT CIRCLE DIA.	ANCHOR BOLTS NO.	ANCHOR BOLTS SIZE DIA.	HOLE DIA.
BP-10	10	2′-2¾"	2⅜"	1′-6¾"	6	1½"	1⅞"
BP-12	12	2′-4½"	2⅜"	1′-8½"	6	1¾"	2⅛"
BP-14	14	2′-6"	2⅜"	1′-10"	6	1¾"	2⅛"
BP-16	16	2′-8"	2¾"	2′-0"	6	2"	2⅜"
BP-18	18	2′-10"	2¾"	2′-2"	6	2¼"	2⅝"
BP-20	20	3′-0"	2¾"	2′-4"	6	2¼"	2⅝"
BP-24	24	3′-2"	2¾"	2′-8"	6	2½"	2⅞"
BP-26	26	3′-4"	2¾"	2′-10"	6	2½"	2⅞"
BP-30	30	3′-10½"	2¾"	3′-2½"	6	2½"	2⅞"
BP-36	36	4′-7⅛"	2¾"	3′-11⅛"	8	2½"	2⅞"

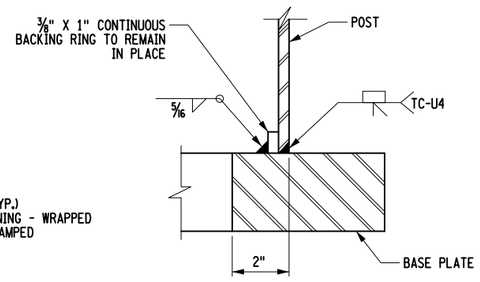
ANCHOR BOLT TABLE (ITEM 644.11)						
BOLT SIZE	Ld MIN. EMBED.	J EXPOSED LENGTH	TEMPLATE DATA DW	TEMPLATE DATA TW	TEMPLATE DATA HOLE DIA.	BOLT WEIGHT (BOLT ONLY) (lbs.)
1½"	2′-5"	9½"	3½"	¾"	1⅜16"	18.1
1¾"	2′-9"	10½"	4"	⅞"	1Ⅼ3⁄16"	28.4
2"	3′-2"	1′-0"	4½"	1"	2 1⁄16"	42.5
2¼"	3′-8"	1′-1½"	5"	1⅛"	2⅜"	66.8
2½"	4′-3"	1′-2¾"	6"	1¼"	2¾"	98.9



ANCHOR BOLT DETAIL

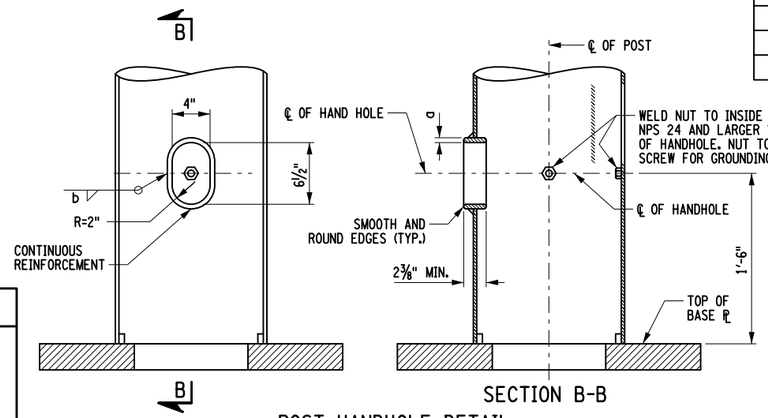


SECTION A-A



DETAIL 1

HANDHOLE TABLE		
PIPE WALL THICKNESS	a REINFORCEMENT THICKNESS (MIN.)	b WELD SIZE
LESS THAN ½"	½"	⅜"
½" TO ⅝"	⅝"	½"



SECTION B-B

POST HANDHOLE DETAIL



COVER

DETAILS OF THE COVER TO BE DETERMINED BY THE FABRICATOR TO FIT TIGHTLY, EXCLUDE WATER, AND BE REMOVABLE WITH A WRENCH. ALL FASTENERS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL.

NOTES:

1. ANCHOR BOLTS, NUTS, WASHERS AND TEMPLATES SHALL BE GALVANIZED.
2. FOR TEMPLATE REQUIREMENT, SEE SPECIFICATIONS.
3. TOP TEMPLATE SHALL BE REMOVED PRIOR TO THE INSTALLATION OF THE BASE PLATE.
4. S.I.N. AND CONTRACT NO. SHALL BE STAMPED ON BASE PLATE, SEE SPECIFICATIONS.

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · LICENSED PROFESSIONAL ENGINEER · 103716

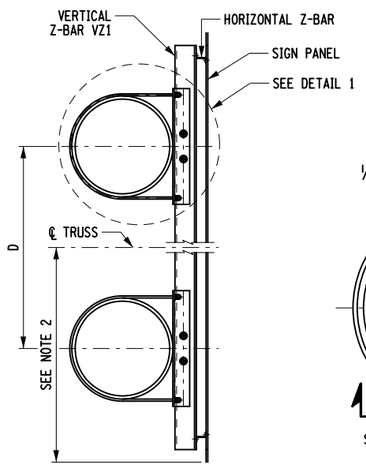
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

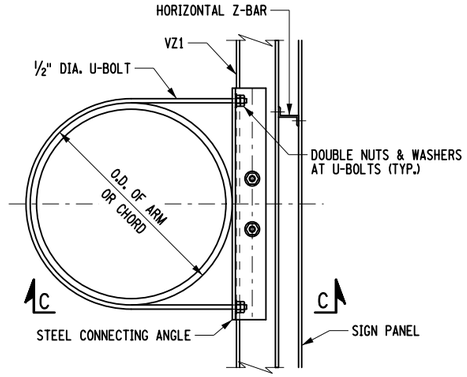
NEW YORK STATE Thruway Authority

PDG POPLI DESIGN GROUP

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES SPAN STRUCTURES BASE AND CAP DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSD-08

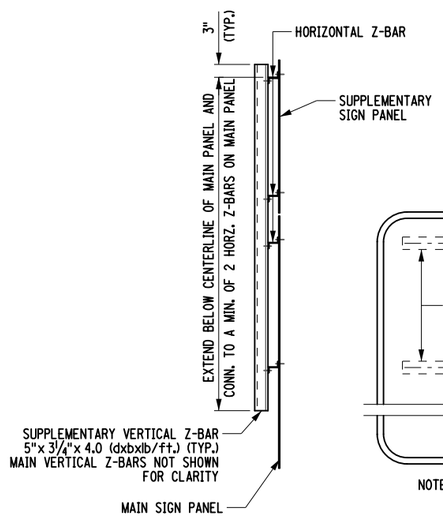


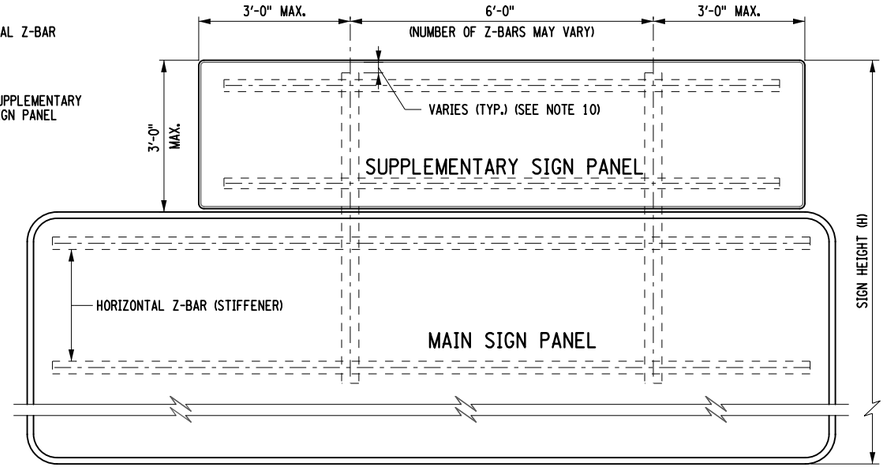
TYPICAL SECTION



DETAIL 1

ATTACHMENT DETAILS AT TRUSSED ARMS OR CHORD

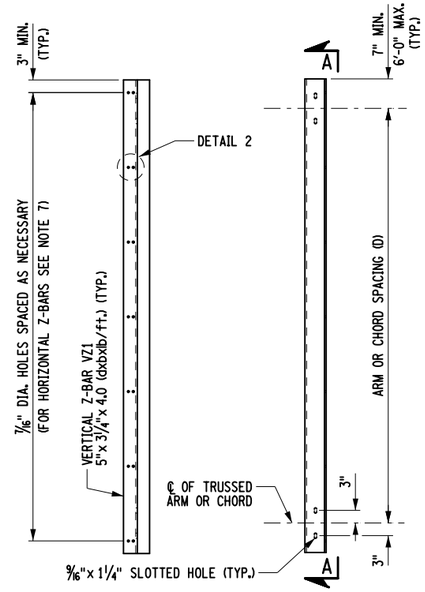




NOTE: IN LIEU OF THIS DETAIL, THE VERTICAL Z-BARS BEHIND THE MAIN SIGN PANEL MAY BE EXTENDED TO CARRY THE SUPPLEMENTARY PANEL. THE OVERHANG OF THE SUPPLEMENTARY PANEL SHALL NOT EXCEED 3'-0".

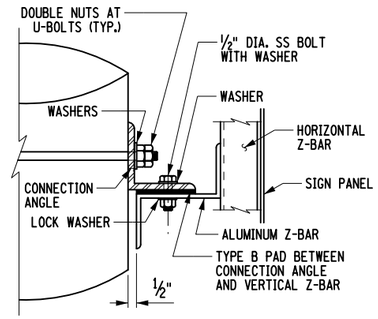
SUPPLEMENTARY SIGN PANEL MOUNTING DETAILS

(MAIN SIGN PANEL VERTICAL Z-BARS AND ADDITIONAL HORIZONTAL Z-BARS NOT SHOWN. SEE NOTE 10)

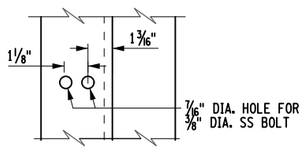


VIEW A-A ELEVATION

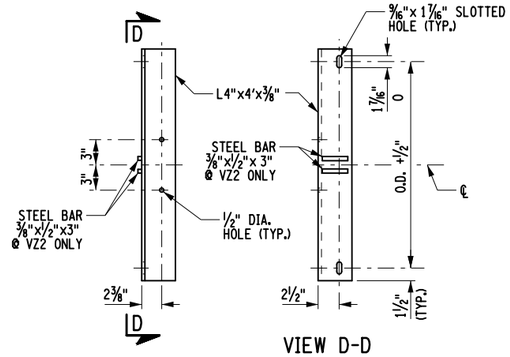
DETAIL OF VERTICAL Z-BAR VZ1



SECTION C-C



DETAIL 2



VIEW D-D

STEEL CONNECTION ANGLE

NOTES:

1. Z-BARS SHALL BE NON-WELDED ALUMINUM ALLOY 6061-T6.
3. EACH SET OF MAIN AND SUPPLEMENTARY SIGN PANELS ON SPAN STRUCTURES SHALL HAVE THE MAIN PANEL VERTICALLY CENTERED ON THE TRUSS. IF THE COMBINED VERTICAL CENTROID OF THE MAIN AND SUPPLEMENTARY SIGN PANELS IS GREATER THAN 9½" AWAY FROM THE VERTICAL CENTROID OF THE MAIN PANEL ALONE, THEN THE COMBINED VERTICAL CENTROID SHALL BE CENTERED ON THE TRUSS.
4. STEEL BARS AND STEEL CONNECTION ANGLES SHALL BE GALVANIZED.
5. ALL STAINLESS STEEL BOLTING MATERIAL SHALL BE ASTM A193, GRADE B8.
6. THERE SHALL BE A MINIMUM OF TWO VERTICAL Z-BARS PER SIGN. SPACING SHALL BE 6'-0" MAXIMUM. END VERTICAL Z-BARS SHALL BE NO MORE THAN 3'-0" FROM THE EDGE OF THE SIGN PANEL. VERTICAL Z-BARS SHALL BE ARRANGED TO AVOID INTERFERENCE WITH CHORD GUSSET PLATES OR WITH CHORD SPLICES. IF INTERFERENCE CANNOT BE RESOLVED BY RESPACING VERTICAL Z-BARS, THE SIGN PANEL MAY BE RELOCATED BY AS MUCH AS 6" FROM ITS ORIGINALLY DESIGNATED LOCATION.
7. SPACING OF SIGN PANEL HORIZONTAL Z-BAR STIFFENERS SHALL BE AS SHOWN ON THE CURRENT SIGN PANEL STANDARD SHEET.
8. A LOCK WASHER SHALL BE USED UNDER EACH NUT FOR NON-COUNTERSUNK STAINLESS STEEL BOLTS. IN LIEU OF THE LOCK WASHER, AN APPROVED STOP NUT MAY BE USED. LOCK WASHERS SHALL NOT BE USED AT A SLOTTED HOLE. A FLAT WASHER SHALL BE USED UNDER EACH BOLT HEAD.
9. SIGN PANEL, HORIZONTAL AND VERTICAL Z-BARS AND FASTENING ASSEMBLIES FOR ATTACHING SIGNS TO STRUCTURE SHALL BE PAID UNDER THE OVERHEAD SIGN PANEL ITEM 645.61.
10. SEE NYSDOT STANDARD SHEET 645-09 FOR ADDITIONAL SIGN PANEL MOUNTING DETAILS.

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

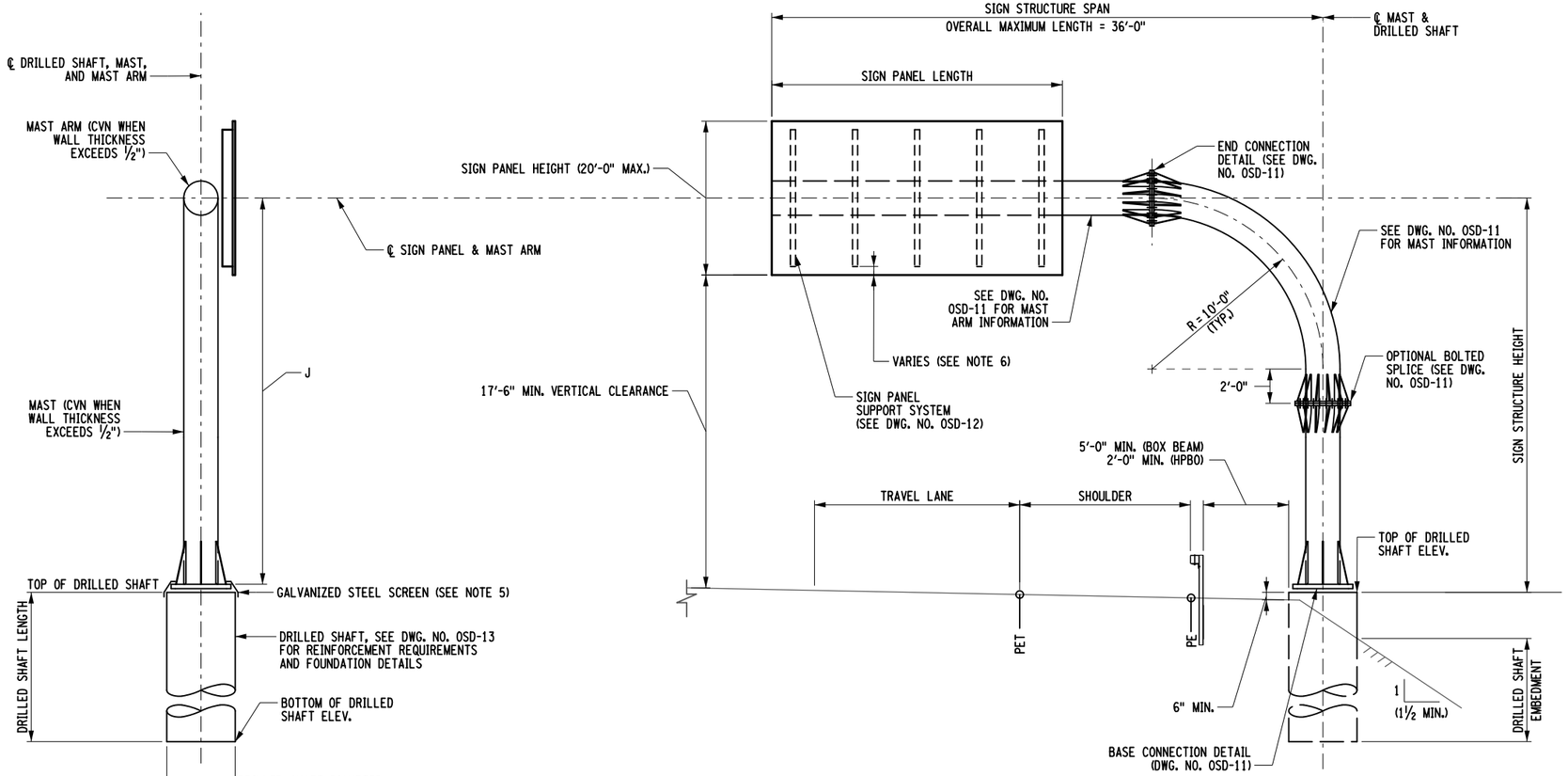
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

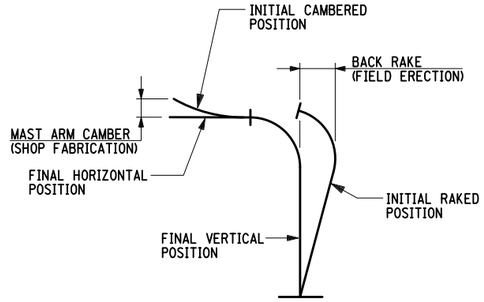
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES SPAN STRUCTURES SIGN PANEL ATTACHMENT DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSD-09

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: Q.WANG
CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M. BEDFORD



SIDE VIEW
NOT TO SCALE

ELEVATION
NOT TO SCALE



CAMBER DIAGRAM

NOTE TO FABRICATOR:

THE ARM CAMBER INDICATED ON THE SCHEMATIC IS MEASURED FROM THE FIXED END CONNECTION (ZERO CAMBER) TO THE CANTILEVER END OF THE ARM (MAXIMUM CAMBER). THIS CAMBER IS UPWARD AND PARABOLIC IN SHAPE IN ORDER TO COUNTER THE DOWNWARD PARABOLIC DEFLECTION OF THIS CANTILEVER PIPE SECTION DUE TO THE SELF WEIGHT OF THE PIPE AND WEIGHT OF THE APPURTENANCES ATTACHED TO THE ARM.

NOTE TO CONTRACTOR:

RAKING OF THE MAST SHALL BE ACCOMPLISHED USING THE LEVELING NUTS AND LOWER TOP NUTS PRIOR TO THE INSTALLATION OF THE ARM.

NOTE TO ERECTOR:

MAST BACK RAKE SHALL BE PERFORMED USING THE LEVELING NUTS AND LOWER TOP NUTS PRIOR TO INSTALLATION OF THE ARM. THE LOWER TOP NUTS SHALL BE NO MORE THAN "SNUG TIGHT" AT THE BEGINNING OF THIS OPERATION. THE DIMENSION SHOWN FOR THE BACK RAKE IN THE SCHEMATIC ABOVE IS THE HORIZONTAL DISPLACEMENT OF THE THEORETICAL TOP OF MAST (DIMENSION "J") ON THE SIDE VIEW, FROM THE CENTERLINE OF THE MAST AT THE BASE PLATE. THE MAST SHALL BE RAKED BACK TO THIS POSITION AND LEVELING NUTS/LOWER TOP NUTS SNUG TIGHT AGAIN UNTIL THE STRUCTURE IS COMPLETELY ASSEMBLED. AFTER THE INSTALLATION OF THE ARM AND ALL SPECIFIED SIGN APPURTANANCES, THE RAKE SHALL BE ADJUSTED AS NEEDED TO ACHIEVE A VERTICAL MAST AND HORIZONTAL ARM. ONLY AFTER THIS FINAL POSITIONING IS ACHIEVED AND APPROVED BY THE ENGINEER, SHALL LOWER TOP NUTS BE FULLY TENSIONED AGAINST THE LEVELING NUTS AND THE UPPER TOP NUTS INSTALLED SNUG TIGHT AGAINST THE LOWER TOP NUTS.

SIGN STRUCTURE TABLE

SIGN ID NO. (SIN)	ITEM NO.	LOCATION MP	SIGN TEXT ID	SPAN LENGTH	PANEL AREA (SF.)	SIGN STRUCTURE HEIGHT	MAST ARM CAMBER (IN.)	BACK RAKE (IN.)	TOP OF DRILLED SHAFT (ELEV.)	BOT. OF DRILLED SHAFT (ELEV.)	DRILLED SHAFT LENGTH	DRILLED SHAFT MIN. EMBEDMENT	℄ SIGN PANEL (ELEV.)	SIGN PANEL LENGTH	SIGN PANEL HEIGHT
S902.19	644.70380125	902.19	37	33'-0"	164.00	24'-2"	0.20	0.40	606.82	560.82	46'-0" ±	42'-0" ±	630.97	16'-6" 9'-6"	8'-6" 2'-6"
S902.69	644.70380225	902.69	44	31'-7"	148.00	21'-11"	0.15	0.30	604.98	581.48	23'-6"	21'-0"	626.88	18'-6"	8'-0"
S903.19	644.70380325	903.19	39	31'-0"	157.00	22'-10"	0.15	0.30	602.82	579.32	23'-6"	21'-0"	625.62	20'-6" 9'-6"	6'-6" 2'-6"
S903.51	644.70380425	903.51	46	35'-6"	198.00	24'-10"	0.30	0.55	602.00	570.00	32'-0"	29'-6"	626.80	18'-0"	11'-0"
S903.81	644.70380525	903.81	40	27'-0"	131.00	23'-10"	0.05	0.30	600.83	578.83	22'-0"	19'-0"	624.63	16'-6" 9'-6"	6'-6" 2'-6"
S904.11	644.70380625	904.11	47	34'-4"	198.00	24'-6"	0.20	0.50	580.60	556.60	24'-0"	23'-0"	605.10	18'-0"	11'-0"

NOTES:

1. MAST ARM AND END CONNECTION COMPONENTS AS WELL AS MAST AND BASE CONNECTION COMPONENTS SHOWN ON DWG. NO. OSD-11.
2. DRILLED SHAFT DIAMETER AND REINFORCING SHOWN ON DWG. NO. OSD-13.
3. PROVIDE A MAXIMUM 2'-0" SPACE BETWEEN ADJACENT SIGN PANELS WHEN PRESENT.
4. TERMINATE WELDS ¼" SHORT OF STIFFENER ENDS.
5. SEAL BASE PLATE TO FOUNDATION GAP WITH GALVANIZED STEEL SCREEN, ½" BY ½" MESH AND 0.063" DIAMETER WIRES. SCREEN IS TO PREVENT ENTRY OF RODENTS WHILE PERMITTING DRAINAGE. SCREEN IS TO BE REMOVEABLE AND ATTACHED TO BASEPLATE WITH STAINLESS STEEL HARDWARE. COST TO BE INCLUDED IN SIGN STRUCTURE ITEM NUMBER.
6. SEE PENNDOT "TRAFFIC CONTROL - PAVEMENT MARKINGS AND SIGNING STANDARDS TC-8700 SERIES" FOR ADDITIONAL SIGN PANEL MOUNTING DETAILS.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

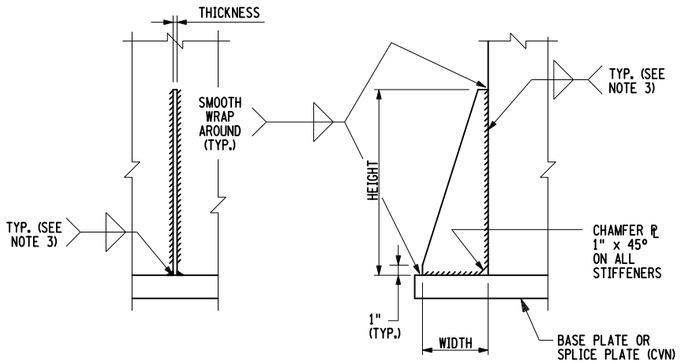
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

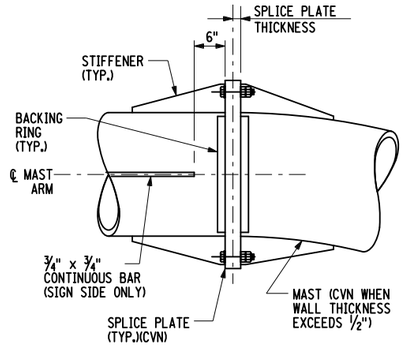
PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES CANTILEVER STRUCTURES MISC. DETAILS (SHEET 1 OF 4)	DRAWING NUMBER: OSD-10

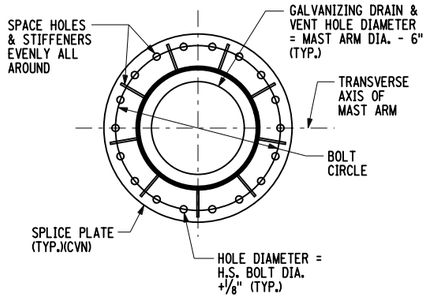
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. BEDFORD
DESIGN SUPERVISOR: M. BEDFORD



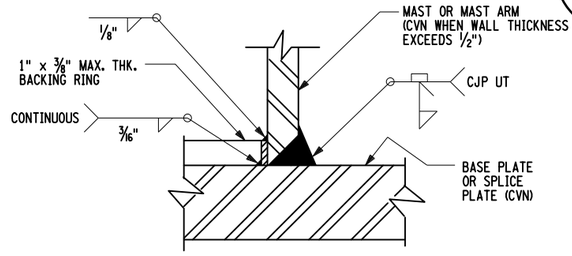
SECTION ELEVATION



ELEVATION



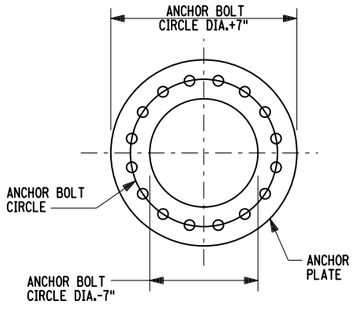
SECTION



WELD DETAIL

NOTE:
BACKING RING MUST BE FITTED/SIZED TO THE PIPE COLUMN AND CONTINUOUSLY FILLET WELDED TO THE BASE PLATE BEFORE THE FULL PENETRATION GROOVE WELD IS MADE. BACKING RING MUST BE FABRICATED AS A CONTINUOUS RING.

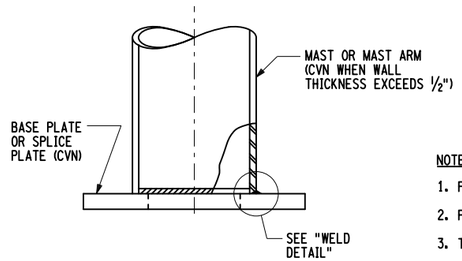
STIFFENER DETAILS



PLAN

ANCHOR PLATE DETAIL

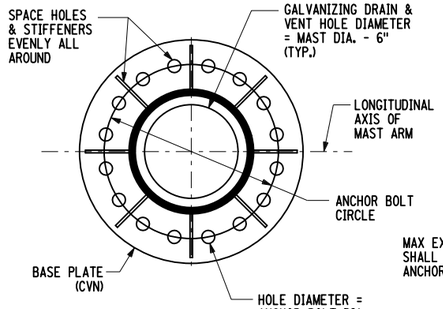
(16 BOLT CONFIGURATION SHOWN, 18 BOLT CONFIGURATION SIMILAR)



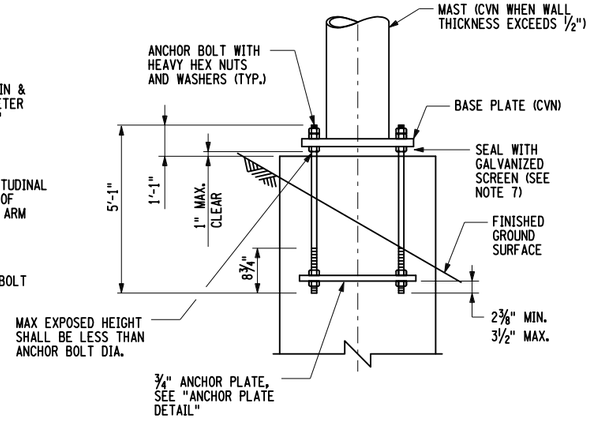
PIPE TO PLATE CONNECTION DETAIL

END CONNECTION DETAILS

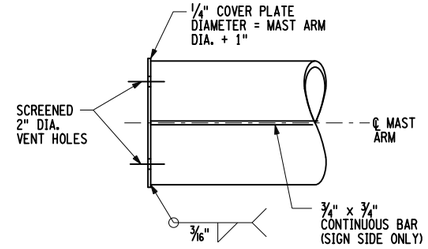
(OPTIONAL MAST SPLICE CONNECTION SIMILAR)
(18 BOLT CONFIGURATION SHOWN, 20 BOLT CONFIGURATION SIMILAR)



PLAN



ELEVATION
NOTE: STIFFENERS NOT SHOWN FOR CLARITY



MAST ARM END DETAIL

(CANTILEVER STRUCTURES)

BASE CONNECTION DETAILS

(16 BOLT CONFIGURATION SHOWN, 18 BOLT CONFIGURATION SIMILAR)

NOTES:

1. FOR GENERAL NOTES, SEE DWG. NO. OSN-02.
2. PIPE DIAMETERS SHOWN IN THE TABLE ARE OUTSIDE DIAMETERS.
3. TERMINATE WELDS ¼" SHORT OF STIFFENER CORNER CHAMFER.
4. PROVIDE STIFFENERS AS INDICATED IN CONNECTION COMPONENT SELECTION TABLES.
5. FOR DRILLED SHAFT INFORMATION, SEE DWG. NO. OSD-13.
6. FOR SIGN PANEL SUPPORT BEAM DEATILS, SEE DWG. NO. OSD-12.
7. SEAL BASE PLATE TO FOUNDATION GAP WITH GALVANIZED STEEL SCREEN, ½" BY ½" MESH AND 0.063" DIAMETER WIRES. SCREEN IS TO PREVENT ENTRY OF RODENTS WHILE PERMITTING DRAINAGE. SCREEN IS TO BE REMOVEABLE AND ATTACHED TO BASEPLATE WITH STAINLESS STEEL HARDWARE.
8. INSTALL MAST ARM SPLICE BOLTS IN ACCORDANCE WITH SECTION 10 OF NYSSCM.
9. TIGHTEN ANCHOR BOLTS USING TURN-OF-THE-NUT METHOD (PER TABLE 1001.3b OF THE NYSSCM) ONCE SIGN STRUCTURE AND SIGN PANEL ARE LEVELED.
10. INSTALL TOP NUTS SNUG-TIGHT AFTER COMPLETION OF NOTE 9.

MAST ARM & END CONNECTION COMPONENT SELECTION TABLE (CANTILEVER STRUCTURES)

LOCATION(S)	MAX. SPAN (FEET)	MAX. PANEL AREA (S.F.)	MAST ARM		H.S. BOLTS			SPLICE PLATE		STIFFENERS				
			DIAMETER (INCHES)	THICKNESS (INCHES)	NO.	DIAMETER (INCHES)	CIRCLE (INCHES)	DIAMETER (INCHES)	THICKNESS (INCHES)	NO.	THICKNESS (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)	WELD (INCHES)
902.19, 902.69, 903.19, 903.51, 904.11	36	250	24	0.500 (WT. XS)	18	1⅜	29	34	2	9	⅜	4	11	5/16
903.81	27	250	24	0.375 (SCH. 20)	18	1	27½	31	2	9	⅜	4	11	5/16

MAST & BASE CONNECTION COMPONENT SELECTION TABLE (CANTILEVER STRUCTURES)

LOCATIONS	SPAN (FEET)	MAX. PANEL AREA (S.F.)	MAST		ANCHOR BOLTS			BASE PLATE		STIFFENERS				
			DIAMETER (INCHES)	THICKNESS (INCHES)	NO.	DIAMETER (INCHES)	CIRCLE (INCHES)	DIAMETER (INCHES)	THICKNESS (INCHES)	NO.	THICKNESS (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)	WELD (INCHES)
902.19, 902.69, 903.19, 903.51, 904.11	36	250	24	0.688 (SCH. 40)	18	1¾	35	41	2	9	⅜	7½	21	5/16
903.81	27	250	24	0.500 (WT.XS)	18	1½	30½	35½	2	9	⅜	4¾	13½	5/16

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/29/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK
MATTHEW CLARENCE BEDFORD
103716
LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

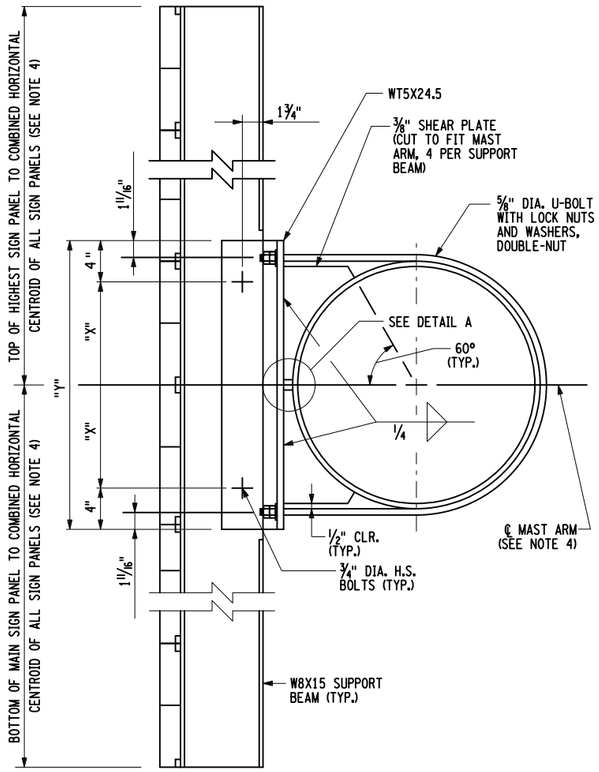
NEW YORK STATE Thruway Authority

PDG POPLI DESIGN GROUP

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES CANTILEVER STRUCTURES MISC. DETAILS (SHEET 2 OF 4)

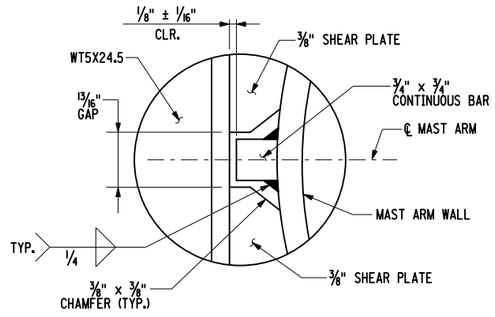
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: OSD-11

DESIGN SUPERVISOR: M. BEDFORD
DESIGNED BY: S. LOFORTE
DRAFTED BY: S. LOFORTE
CHECKED BY: M. BEDFORD
CHECKED BY: M. BEDFORD

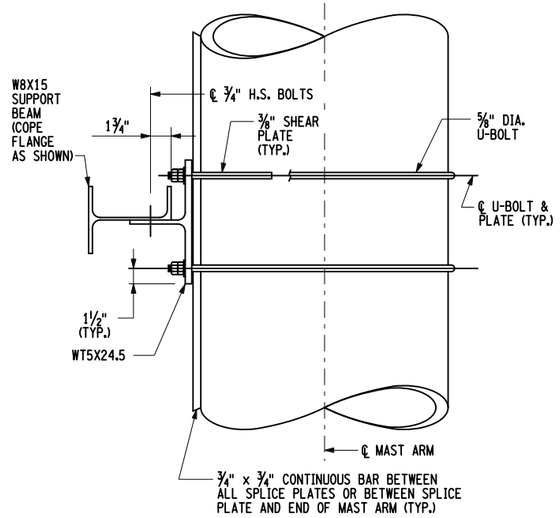


SINGLE SIGN PANEL SECTION

DISTANCE		
PIPE OUTSIDE DIAMETER	"X"	"Y"
24"	10"	2'-4"



DETAIL A



SINGLE SIGN PANEL PLAN

SUPPORT BEAM TO MAST ARM CONNECTION DETAILS

NOTES:

1. FOR GENERAL NOTES, SEE SHEET OSN-02.
2. FOR SIGN PANEL DETAILS, SEE SHEET SDS-01 THRU SDS-06.
3. LOCATE SUPPORT BEAMS TO AVOID END AND SPLICE CONNECTIONS. MAXIMUM SPACING = 5'-0". MAXIMUM DISTANCE TO PANEL EDGE = 2'-6".
4. SIGN PANEL SUPPORT BEAM DETAILS GIVEN ON THIS SHEET ARE ONLY VALID FOR SIGNS WHERE THE COMBINED HORIZONTAL CENTERLINE OF THE SIGN PANEL(S) IS AT THE SAME LOCATION AS THE CENTERLINE OF MAST ARM. PROVIDE SIGN PANEL SUPPORT BEAM DETAILS ON SHOP DRAWINGS WHEN THE COMBINED HORIZONTAL CENTERLINE OF THE SIGN PANEL(S) IS NOT AT THE SAME LOCATION AS THE CENTERLINE OF THE MAST ARM.
5. SEE PENNDOT "TRAFFIC CONTROL - PAVEMENT MARKINGS AND SIGNING STANDARDS TC-8700 SERIES" FOR ADDITIONAL SIGN PANEL MOUNTING DETAILS.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

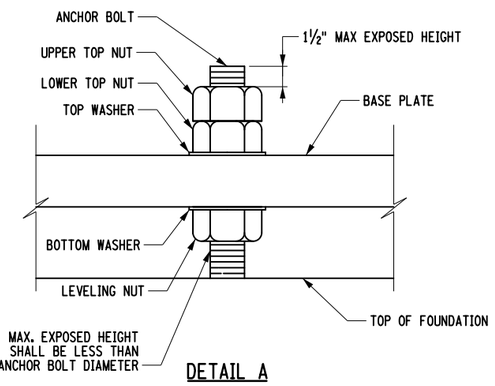
REVISIONS

DATE	DESCRIPTION	BY	SYM.

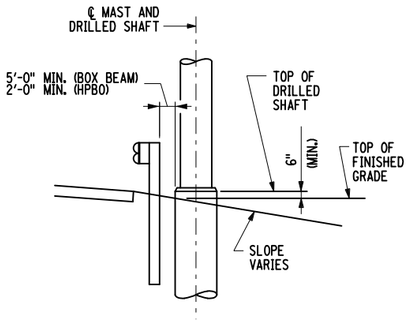
NEW YORK STATE Thruway Authority

PDG Popli Design Group

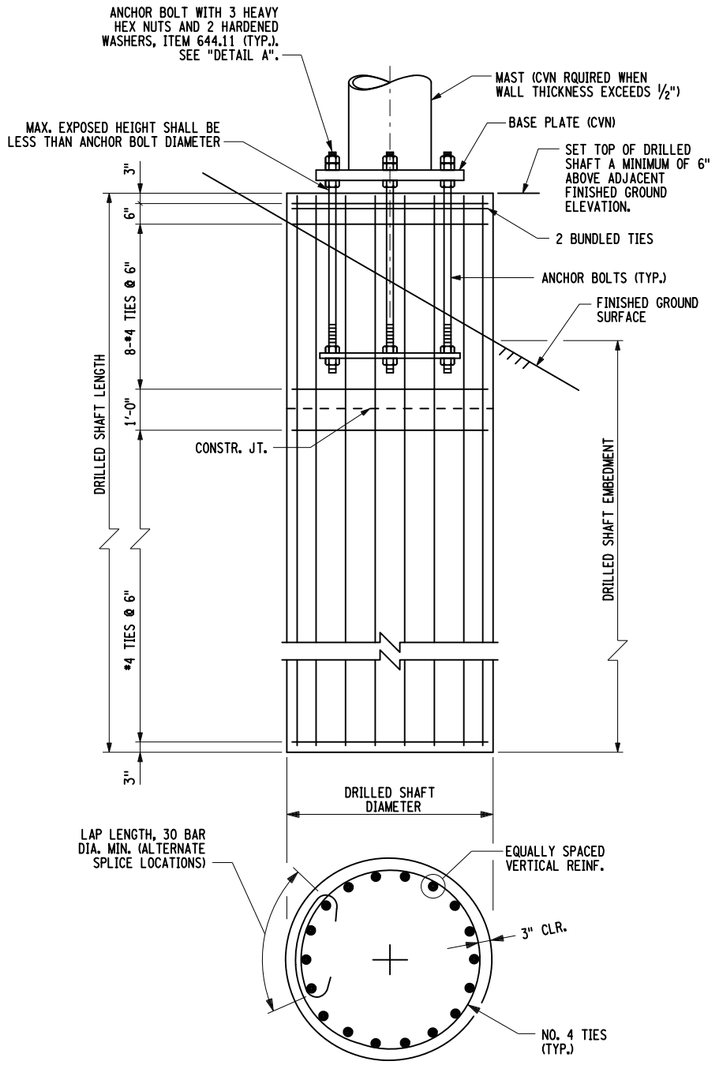
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	OVERHEAD SIGN STRUCTURES CANTILEVER STRUCTURES MISC. DETAILS (SHEET 3 OF 4)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSD-12



DETAIL A



TYPICAL SHOULDER DETAIL



DRILLED SHAFT FOUNDATION DETAILS
ROADSIDE INSTALLATION

DRILLED SHAFT COMPONENT SELECTION TABLE
CANTILEVER STRUCTURES

LOCATION	SPAN (FEET)	PANEL AREA (S.F.)	DRILLED SHAFT DIAMETER (INCHES)	DRILLED SHAFT EMBEDMENT	DRILLED SHAFT LENGTH	DRILLED SHAFT CONCRETE QTY. (CY)	VERT. REINF. NO.	VERT. REINF. SIZE
902.19	33'-0"	164.00	60	42'-0"	46'-0"	33.5	40	*8(G)
902.69	31'-7"	148.00	54	21'-0"	23'-6"	13.8	30	*8(G)
903.19	31'-0"	157.00	54	21'-0"	23'-6"	13.8	30	*8(G)
903.51	35'-6"	198.00	54	29'-6"	32'-0"	18.8	30	*8(G)
903.81	27'-0"	131.00	48	19'-0"	22'-0"	10.2	30	*8(G)
904.11	34'-4"	198.00	54	23'-0" (3'-0")	24'-0" (3'-0")	14.1	30	*8(G)

NOTE: DIMENSIONS SHOWN IN PARENTHESIS APPLY TO ROCK SOCKET WHERE NECESSARY

DRILLED SHAFT DRILLING AND INSTALLATION NOTES:

1. FOR DETAILS OF ANCHOR BOLTS AND TEMPLATES SEE DWG. NO. OSD-11.
2. IF UNANTICIPATED SOUND ROCK IS ENCOUNTERED WITHIN ONE DIAMETER OF THE BOTTOM OF A SHAFT EXCAVATION, USE THE FULL SHAFT LENGTH. IF UNANTICIPATED SOUND ROCK IS ENCOUNTERED AT HIGHER ELEVATIONS, THE TOTAL SHAFT LENGTH MAY BE DECREASED FROM THAT SHOWN, SUCH THAT THE SHAFT PENETRATES A MINIMUM OF ONE DIAMETER INTO SOUND ROCK. HOWEVER, THE TOTAL EMBEDMENT SHALL NOT BE LESS THAN ONE DIAMETER PLUS 2'-0". ALL CHANGES TO SHAFT LENGTHS MUST BE APPROVED AND AS ORDERED BY THE ENGINEER.
3. ANY DRILLING OF THE ROCK FOR SHAFT FOUNDATIONS SHALL BE PERFORMED FROM THE EXISTING EARTH SURFACE THROUGH THE AUGER HOLE FORMED DURING THE DRILLING OPERATION. CASING SHALL BE REMOVED PRIOR TO PLACING CONCRETE.
4. CONTACT THE NYSTA GEOTECHNICAL ENGINEER IF ANY OF THE FOLLOWING SOIL CONDITIONS ARE ENCOUNTERED DURING DRILLING:
   A) THE SOIL HAS A HIGH ORGANIC CONTENT OR CONSISTS OF SATURATED SILT AND CLAY.
   B) THE SITE WILL NOT SUPPORT THE WEIGHT OF THE DRILLING RIG.
   C) FIRM BEDROCK IS ENCOUNTERED.
   D) GROUNDWATER IS ABOVE BOTTOM OF SHAFT.
5. LENGTH OF SHAFT MAY BE INCREASED AS ORDERED BY THE ENGINEER AS MUCH AS 1'-8" IF NECESSARY TO REACH GOOD FOUNDATION MATERIAL.
6. EXCAVATION, BACKFILL, FORMWORK, REINFORCEMENT, CONDUIT STUB-OUT AND ALL OTHER LABOR AND MATERIALS NECESSARY TO CONSTRUCT THE FOUNDATIONS SHALL BE INCLUDED IN THE PRICE BID FOR THE FOUNDATIONS' CONCRETE.
7. NEW DRILLED SHAFTS SHALL BE PAID FOR UNDER ITEM 644.20 - DRILLED SHAFT FOR OVERHEAD SIGN STRUCTURE.
8. EXISTING FOUNDATIONS SHALL BE REMOVED TO 1'-0" BELOW EXISTING GRADE AND BURIED WITH SUITABLE EMBANKMENT AND SEEDED, ITEM 647.20.
9. SUBMIT AN AS-BUILT SURVEY OF EACH DRILLED SHAFT FOUNDATION TO THE REPRESENTATIVE THAT IDENTIFIES ANCHOR BOLT LOCATION, ANCHOR BOLT ORIENTATION, TOP OF ANCHOR BOLT ELEVATIONS, TOP OF DRILLED SHAFT ELEVATIONS, AND ADJACENT FINISHED GROUND ELEVATIONS. INCLUDE A COPY OF THE SURVEY NOTES. RECONCILE ANY DIFFERENCES BETWEEN SURVEY INFORMATION AND DATA ON THE APPROVED SHOP DRAWINGS. SUBMIT ALL PROPOSED ADJUSTMENTS OR MODIFICATIONS TO THE REPRESENTATIVE FOR ACCEPTANCE.
10. (G) DENOTES HOT-DIP GALVANIZED REINFORCEMENT.

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

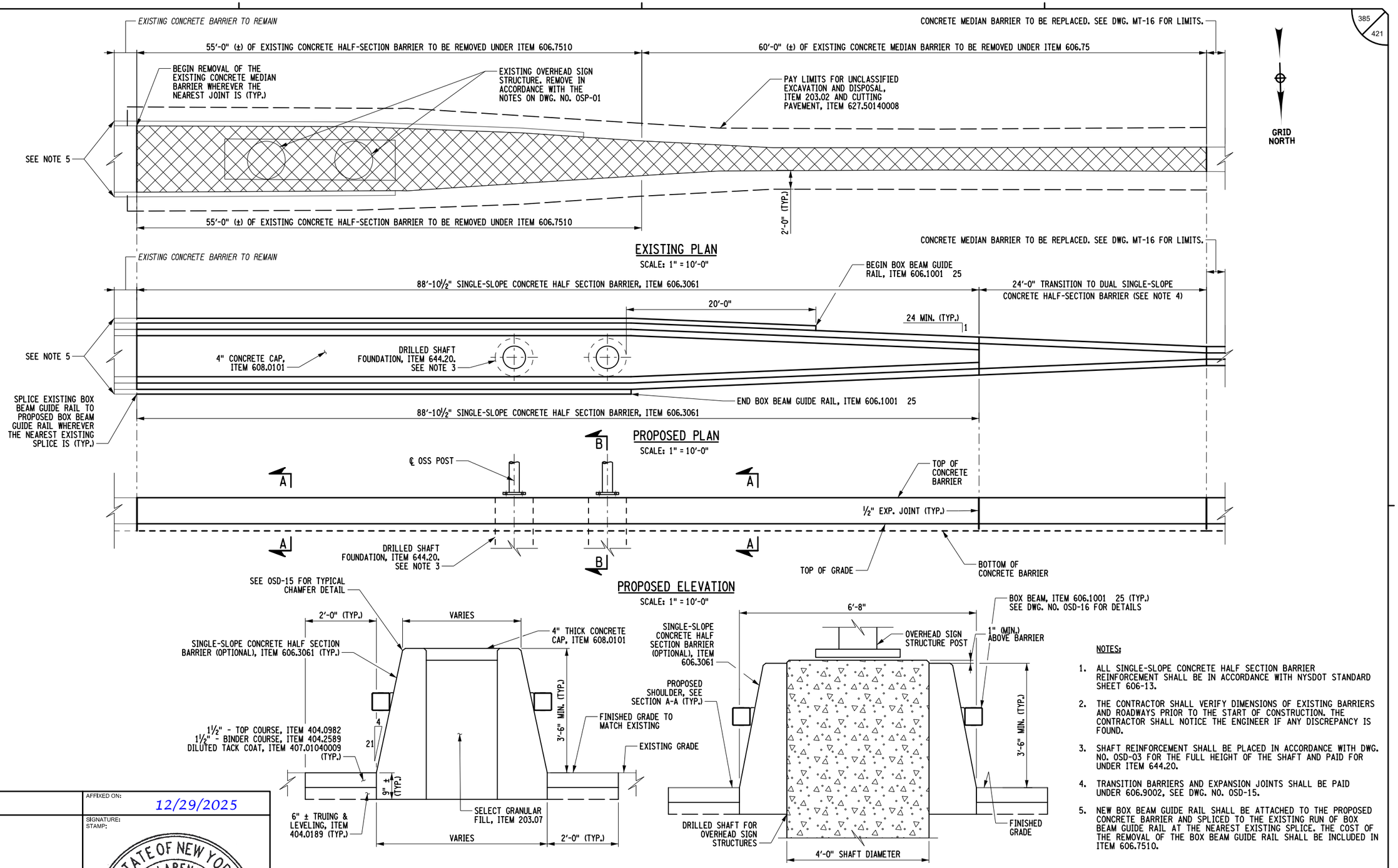
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Poepli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES CANTILEVER STRUCTURES MISC. DETAILS (SHEET 4 OF 4)	DRAWING NUMBER: OSD-13

DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD



NOTES:

1. ALL SINGLE-SLOPE CONCRETE HALF SECTION BARRIER REINFORCEMENT SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SHEET 606-13.
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING BARRIERS AND ROADWAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTICE THE ENGINEER IF ANY DISCREPANCY IS FOUND.
3. SHAFT REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH DWG. NO. OSD-03 FOR THE FULL HEIGHT OF THE SHAFT AND PAID FOR UNDER ITEM 644.20.
4. TRANSITION BARRIERS AND EXPANSION JOINTS SHALL BE PAID UNDER 606.9002, SEE DWG. NO. OSD-15.
5. NEW BOX BEAM GUIDE RAIL SHALL BE ATTACHED TO THE PROPOSED CONCRETE BARRIER AND SPLICED TO THE EXISTING RUN OF BOX BEAM GUIDE RAIL AT THE NEAREST EXISTING SPLICE. THE COST OF THE REMOVAL OF THE BOX BEAM GUIDE RAIL SHALL BE INCLUDED IN ITEM 606.7510.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

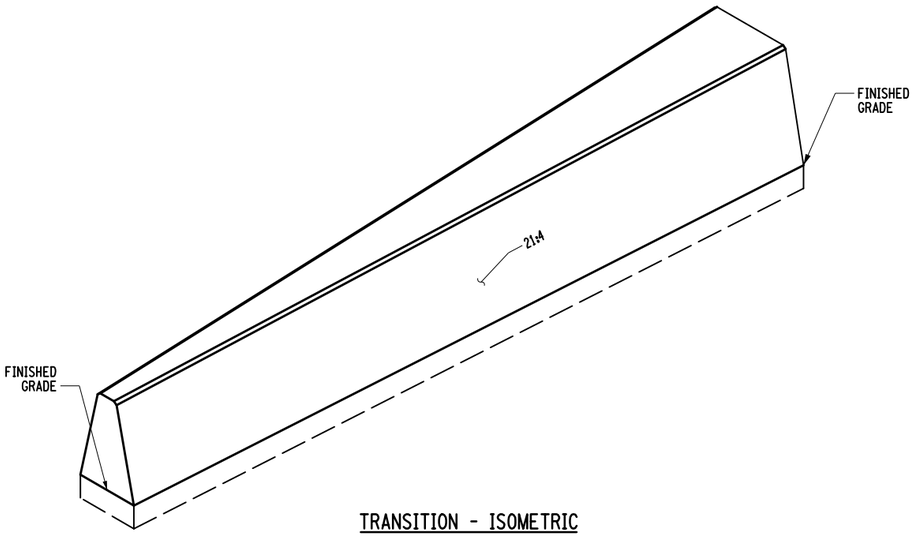
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

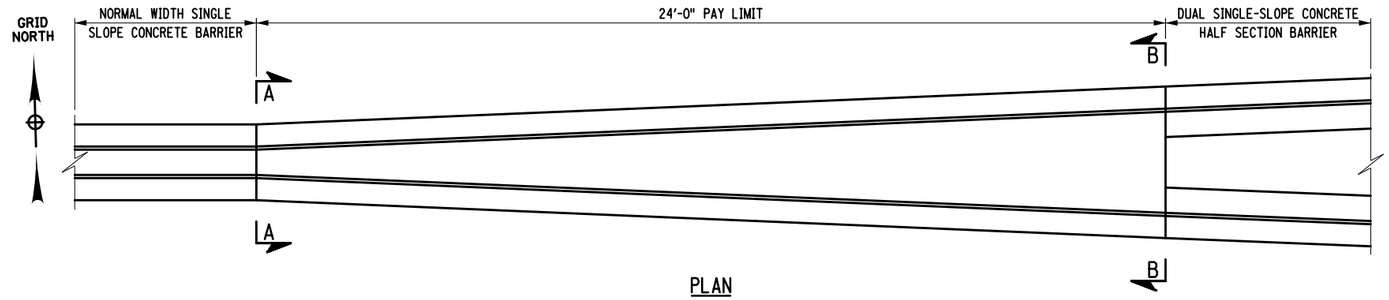
PDG POPLI DESIGN GROUP

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES BARRIER DETAILS LOCATION MP 900.38 (SHEET 1 OF 3)	DRAWING NUMBER: OSD-14

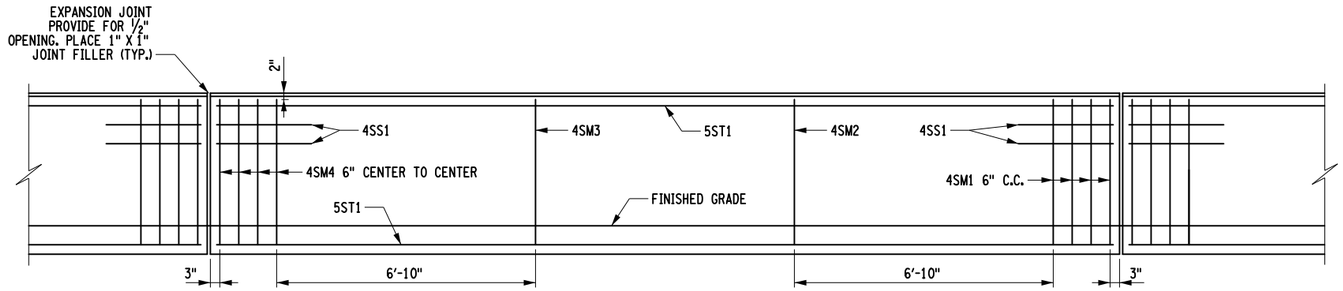
DESIGNED BY: S.LOFORTE
DRAFTED BY: S.LOFORTE
CHECKED BY: Q.WANG
DESIGN SUPERVISOR: M.BEDFORD
QUALITY CONTROL: Q.WANG



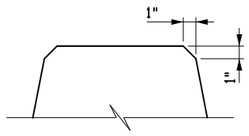
TRANSITION - ISOMETRIC



PLAN



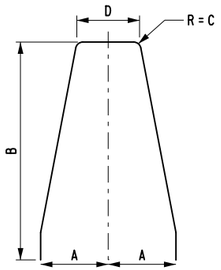
ELEVATION



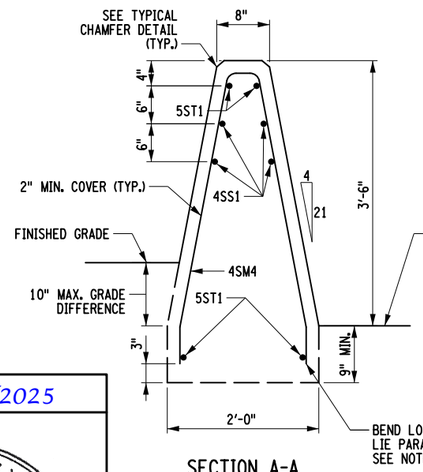
TYPICAL CHAMFER DETAIL
(ALL SECTIONS)

BAR LIST									
MARK	SIZE	NO.	LENGTH	USE	A	B	C	D	LOCATION
4SM1	#4	4	10'-0"	STIRRUP	1'-9¼"	3'-10"	1½"	2'-2¼"	4 AT 6" CENTERS AT END ADJACENT TO THE DUAL SINGLE SLOPE BARRIER
4SM2	#4	1	9'-4"	STIRRUP	1'-5¾"	3'-10"	1½"	1'-7¼"	6'-10" FROM 4SM1 BARS
4SM3	#4	1	8'-8"	STIRRUP	1'-2¼"	3'-10"	1½"	1'-0½"	6'-10" FROM 4SM4 BARS
4SM4	#4	4	8'-0"	STIRRUP	10"	3'-10"	1½"	4"	4 AT 6" CENTERS AT END ADJACENT TO THE PROPOSED CONCRETE MEDIAN BARRIER
4SS1	#4	8	2'-6"	STRAIGHT	—	—	—	—	4 AT EACH END OF THE TRANSITION
5ST1	#5	4	23'-8"	STRINGER	—	—	—	—	LONGITUDINAL 2 IN TOP - 2 IN BOTTOM

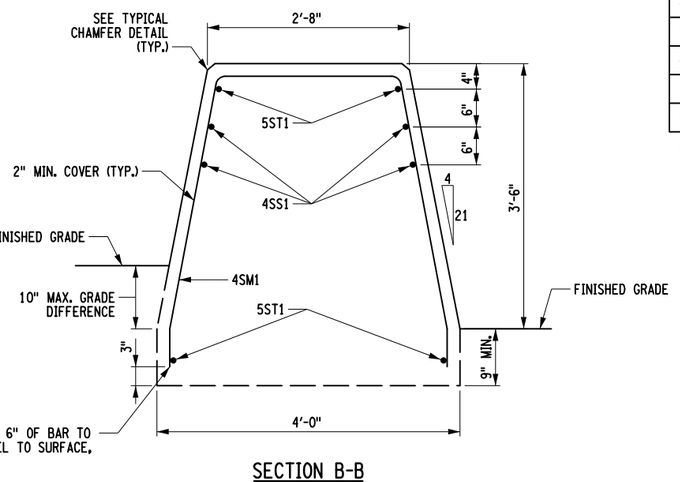
BARS ARE TO BE EPOXY COATED GRADE 60, COST TO BE INCLUDED IN ITEM 606.9002



TYPICAL STIRRUP



SECTION A-A
SCALE: ½" = 1'-0"



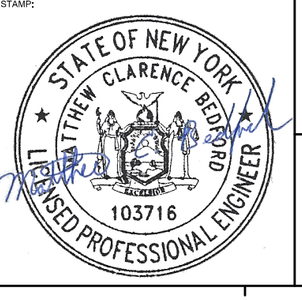
SECTION B-B
SCALE: ½" = 1'-0"

NOTES:

1. SURFACES SHALL BE SMOOTH.
2. MATERIALS SHALL CONFORM TO §606-2.14, TRANSITIONS CONSTRUCTED OF, OR WITH, CONCRETE.
3. CONSTRUCTION SHALL CONFORM TO §606-3.19, TRANSITIONS CONSTRUCTED OF, OR WITH, CONCRETE.
4. UNLESS INDICATED OTHERWISE, EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH §206-3.01• GRANULAR BACKFILL SHALL CONFORM WITH §304 AND SHOULD MATCH THE SUBBASE COURSE TYPE USED ON THE ADJACENT ROADWAY.
5. BENDING OF BOTTOM OF STIRRUPS SHOWN IN SECTION A-A AND B-B IS NOT NECESSARY, PROVIDED COVER REQUIREMENTS ARE SATISFIED.

1 0 1 2
½" = 1'-0"

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



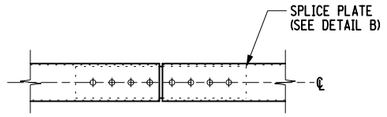
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

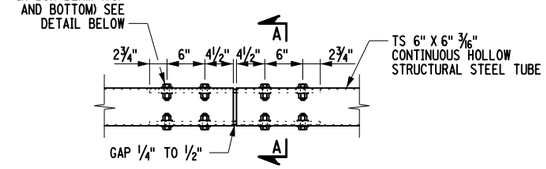
NEW YORK STATE Thruway Authority

PDG Popli Design Group

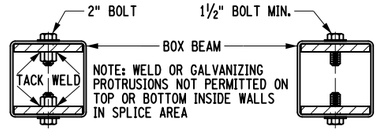
TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES BARRIER DETAILS LOCATION MP 900.38 (SHEET 2 OF 3)	DRAWING NUMBER: OSD-15



TYPICAL SPLICE PLAN
NOT TO SCALE

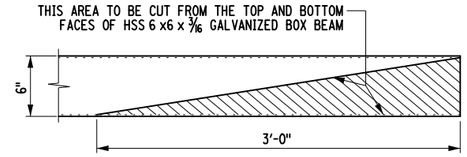


TYPICAL SPLICE DETAIL
NOT TO SCALE

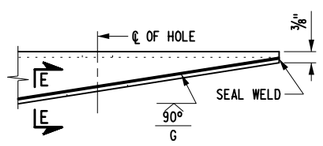


SECTION A-A
SPLICE PLATE SHOWING
¾" HEX NUTS WELDED
TO PLATE
NOT TO SCALE

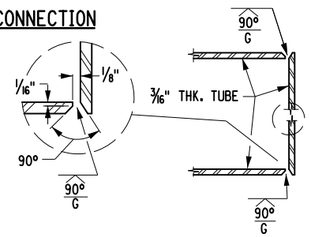
SECTION A-A
SPLICE PLATE SHOWING
TAPPED BOLT HOLES
NOT TO SCALE



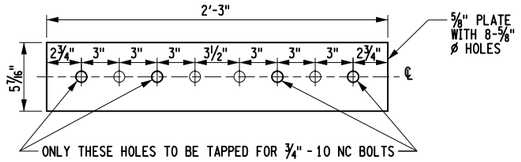
CUT DETAIL - END CONNECTION
NOT TO SCALE



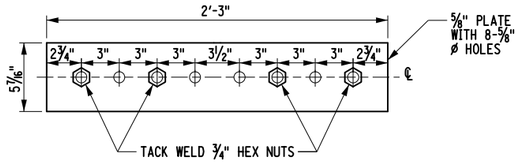
DETAIL "A"
NOT TO SCALE



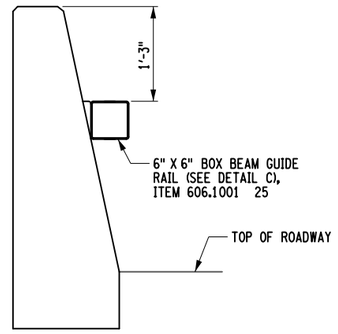
SECTION E-E
NOT TO SCALE



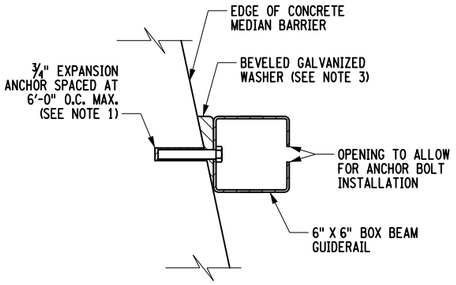
DETAIL "B" SPLICE PLATE SHOWING
TAPPED BOLT HOLES
NOT TO SCALE



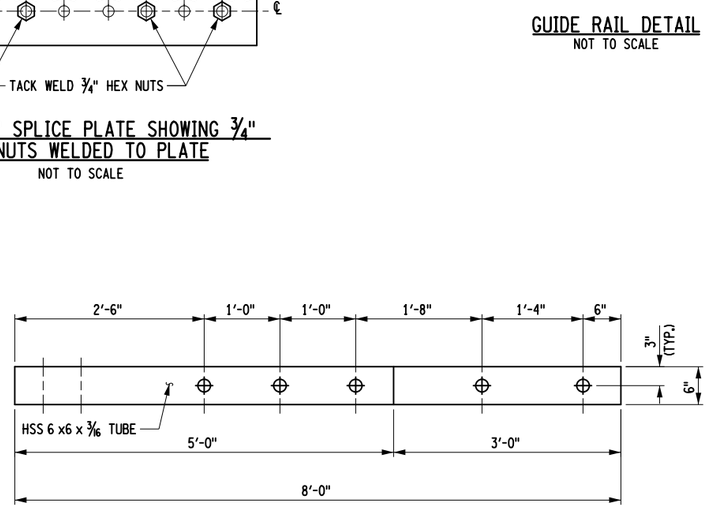
DETAIL "B" SPLICE PLATE SHOWING ¾"
HEX NUTS WELDED TO PLATE
NOT TO SCALE



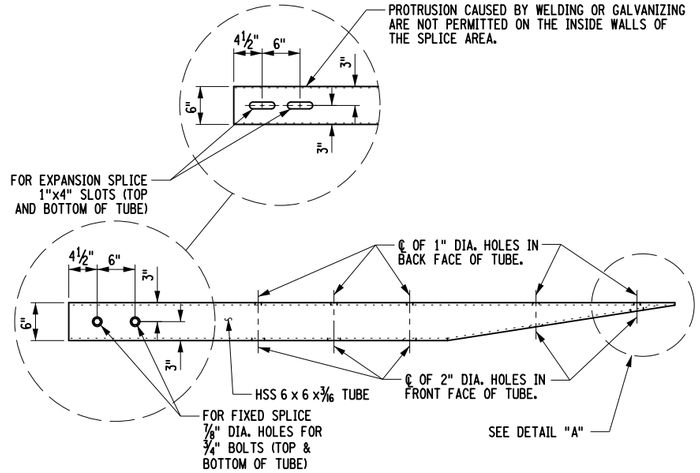
GUIDE RAIL DETAIL
NOT TO SCALE



DETAIL "C"
NOT TO SCALE



ELEVATION



PLAN

END CONNECTION FOR BOX BEAM GUIDE RAIL
NOT TO SCALE

NOTES:

1. EXPANSION ANCHORS FOR THE 6" X 6" TUBE CONNECTIONS SHALL BE ¾" ø EXPANSION ANCHORS WITH A MINIMUM EMBEDMENT OF 3¼" AND A MINIMUM PULLOUT STRENGTH OF 13,000 LBS. DRILL HOLE SIZE AND METHOD SHALL BE SPECIFIED BY THE MANUFACTURER.
2. THE COST OF THE ABOVE WORK INCLUDING DRILLING AND SUPPLYING THE NECESSARY ANCHORS, NUTS, BOLTS AND WASHERS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 606.1001 25.
3. GALVANIZED BEVELED WASHERS FOR MOUNTING OF GUIDE RAIL END SECTION WILL VARY IN THICKNESS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CORRECT WASHERS.

DESIGNED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DRAFTED BY: S.LOFORTE
CHECKED BY: M.BEDFORD
DESIGN SUPERVISOR: M.BEDFORD

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

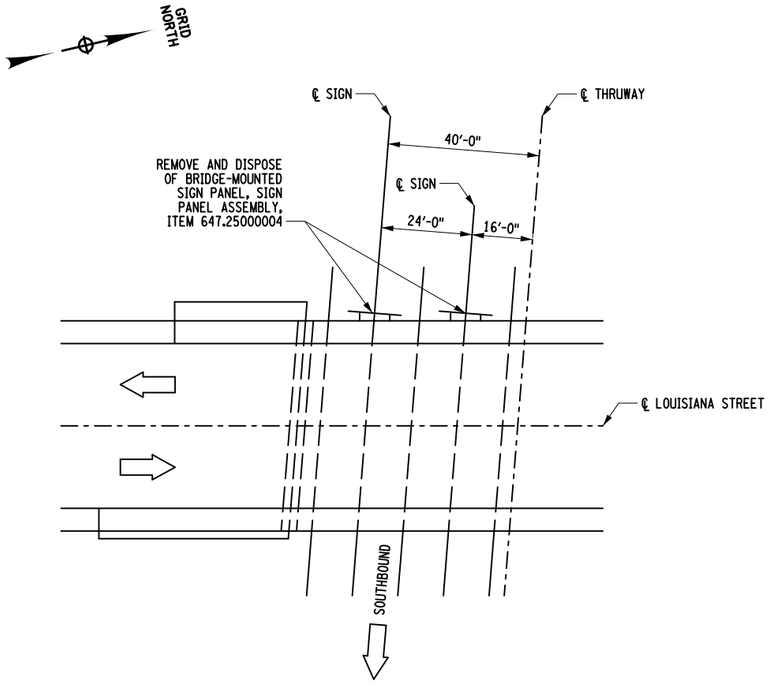
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

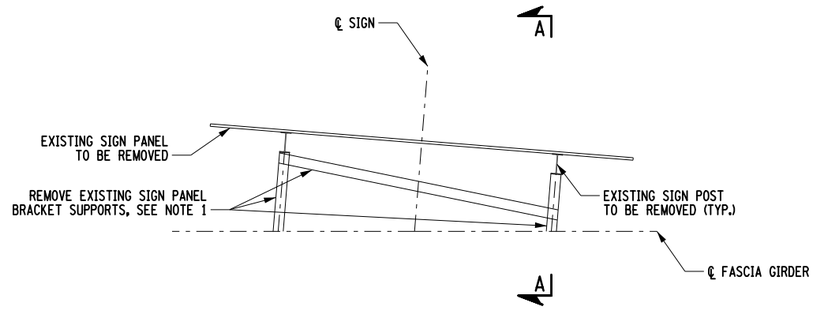
PDG Popli Design Group

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: OVERHEAD SIGN STRUCTURES BARRIER DETAILS LOCATION MP 900.38 (SHEET 3 OF 3)	DRAWING NUMBER: OSD-16

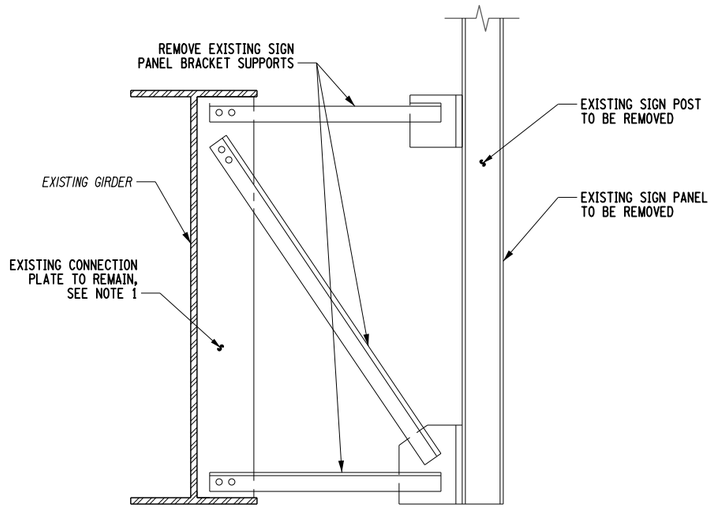
DRAFTED BY: S.LOFORTE
CHECKED BY: M. BEDFORD
DESIGNED BY: S.LOFORTE
CHECKED BY: M. BEDFORD
DESIGN SUPERVISOR: M. BEDFORD



LOUISIANA STATE BRIDGE
SIGN LOCATION PLAN
NOT TO SCALE



BRIDGE MOUNTED SIGN PLAN
NOT TO SCALE



SECTION A-A
NOT TO SCALE

NOTES:

1. ALL OPEN BOLT HOLES LEFT AFTER THE REMOVAL OF EXISTING SIGN STRUCUTRES SHALL BE FILLED WITH A HIGH STRENGTH BOLT OF THE APPLICABLE SIZE IN ACCORDANCE WITH §715-14. TIGHTEN ALL SUCH BOLTS TO A SNUG TIGHT CONDITION. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 647.25000004.

ALTERED ON:	AFFIXED ON: 12/29/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · MATTHEW CLARENCE BEDFORD · 103716 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	BRIDGE MOUNTED SIGN REMOVAL DETAILS BIN 5512290
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	OSD-17

BRIDGE ESTIMATE OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	BRIDGE OVER																	
			CLINTON ST (MP 901.56) BIN 5046459			BAILEY AVE (MP 901.88) BIN 5512199			SENECA ST (MP 902.22) BIN 5011959			MILTON ST (MP 902.44) BIN 5512209			BABCOCK ST (MP 902.63) BIN 5512219			PEABODY ST (MP 902.84) BIN 5512229		
			NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF	0	0	0	170	130	300	0	0	0	0	0	0	0	0	0	0	0	0
555.0021	CONCRETE FOR STRUCTURES - PERFORMANCE	CY	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	7	6	13
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CONCRETE FOR STRUCTURES	QU	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	3,623	3,569	7,192	0	0	0	5,621	5,544	11,165	2,524	2,286	4,810	2,286	2,286	4,572	2,312	2,312	4,624
559.03	PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE AND EXISTING BRIDGE DECKS	SF	0	0	0	48,906	48,574	97,480	0	0	0	0	0	0	0	0	0	0	0	0
564.510001	STRUCTURAL STEEL - GIRDER WEB PLATE	LB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0	180
564.510002	STRUCTURAL STEEL - GIRDER BOTTOM FLANGE COVER PLATE	LB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
567.62	BRIDGE JOINT HEADER	CF	154	176	330	0	0	0	232	227	459	141	130	271	129	122	251	92	92	184
567.63	BRIDGE JOINT SEAL	LF	277	279	556	860	190	1,050	371	374	745	229	212	441	209	212	421	206	207	413
570.090001	ENVIRONMENTAL GROUND PROTECTION	LS	0		0	0		0	0		0	0		0	0		0	1		1
570.090002	ENVIRONMENTAL GROUND PROTECTION	LS	0		0	0		0	0		0	0		0	0		0	0		0
570.090003	ENVIRONMENTAL GROUND PROTECTION	LS	0		0	0		0	0		0	0		0	0		0	0		0
571.04	DISPOSAL OF NON-HAZARDOUS INDUSTRIAL SOLID PAINT WASTE	LB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	200
572.010003	STRUCTURAL STEEL PAINT SYSTEM: SHOP APPLIED	SF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	18
574.030001	STRUCTURAL STEEL PAINTING: LOCALIZED	SF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	15
579.02	REINFORCING BAR EXPOSURE	SF	1,796	1,796	3,593	4,333	4,304	8,637	2,004	2,004	4,008	1,451	1,184	2,635	1,267	1,267	2,535	1,148	1,148	2,296
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	5	5	10
582.0052	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	SF	0	0	0	73	67	140	0	0	0	0	0	0	0	0	0	0	0	0
584.0320nn	SLAB RECONSTRUCTION CONCRETE	SY	200	200	399	481	478	960	223	223	445	161	132	293	141	141	282	128	128	255
586.0201	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	EACH	1,072	1,072	2,144	0	0	0	1,440	1,440	2,880	880	800	1,680	800	750	1,550	784	784	1,568
586.10	FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL	EACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
595.50000018	SHEET-APPLIED WATERPROOFING MEMBRANE	SF	10,770	10,770	21,540	0	0	0	12,773	12,773	25,546	6,742	6,144	12,886	6,917	6,917	13,834	6,231	6,231	12,462
627.50140008	CUTTING PAVEMENT	LF	531	531	1,062	0	0	0	720	720	1,441	435	397	832	397	397	793	386	386	772

BRIDGE ESTIMATE OF QUANTITIES (CONT'D)

ITEM NUMBER	DESCRIPTION	UNIT	BRIDGE OVER																			
			SELKIRK ST (MP 902.99) BIN 5512239			SMITH ST (MP 903.14) BIN 5512249			ERIE RR (MP 903.32) BIN 5512259			VAN RENSSELAER ST (MP 903.48) BIN 5512269			CSX RR (MP 903.66) BIN 5512279			HAMBURG ST (MP 903.79) BIN 5512289			CONTIN GENCY	TOTALS
			NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL	NB	SB	TOTAL		
502.90010018	CLEAN AND FILL CRACKS AND JOINTS IN PORTLAND CEMENT CONCRETE(PCC) PAVEMENT, ASTM D 6690 TYPE IV	LF	105	115	220	53	53	106	117	106	223	49	49	98	108	108	216	53	49	102	-	1,265
555.0021	CONCRETE FOR STRUCTURES - PERFORMANCE	CY	0	0	0	0	0	0	0	0	0	4	4	8	0	0	0	0	0	0	-	26
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CONCRETE FOR STRUCTURES	QU	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	-	5
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	0	0	0	983	983	1,966	580	524	1,104	974	949	1,923	798	798	1,596	1,010	892	1,902	-	40,854
559.03	PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE AND EXISTING BRIDGE DECKS	SF	28,588	30,584	59,172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	156,652
564.510001	STRUCTURAL STEEL - GIRDER WEB PLATE	LB	0	0	0	0	180	180	0	0	0	0	180	180	0	0	0	0	0	0	-	540
564.510002	STRUCTURAL STEEL - GIRDER BOTTOM FLANGE COVER PLATE	LB	0	0	0	0	0	0	0	0	0	975	975	1,950	0	0	0	0	0	0	-	1,950
567.62	BRIDGE JOINT HEADER	CF	0	0	0	67	71	138	41	38	79	46	44	90	57	55	112	72	66	138	-	2,052
567.63	BRIDGE JOINT SEAL	LF	83	82	165	170	170	340	124	114	238	155	155	310	172	172	344	169	154	323	-	5,346
570.090001	ENVIRONMENTAL GROUND PROTECTION	LS	0		0	0		0	0		0	0		0	0		0	0		0	-	1
570.090002	ENVIRONMENTAL GROUND PROTECTION	LS	0		0	1		1	0		0	0		0	0		0	0		0	-	1
570.090003	ENVIRONMENTAL GROUND PROTECTION	LS	0		0	0		0	0		0	1		1	0		0	0		0	-	1
571.04	DISPOSAL OF NON-HAZARDOUS INDUSTRIAL SOLID PAINT WASTE	LB	0	0	0	0	200	200	0	0	0	50	250	300	0	0	0	0	0	0	-	700
572.010003	STRUCTURAL STEEL PAINT SYSTEM: SHOP APPLIED	SF	0	0	0	0	18	18	0	0	0	32	50	82	0	0	0	0	0	0	-	118
574.030001	STRUCTURAL STEEL PAINTING: LOCALIZED	SF	0	0	0	0	15	15	0	0	0	17	32	49	0	0	0	0	0	0	-	79
579.02	REINFORCING BAR EXPOSURE	SF	2,471	2,621	5,092	1,447	1,447	2,894	1,823	1,505	3,328	1,191	1,191	2,383	1,776	1,776	3,551	1,392	1,184	2,576	4,353	47,880
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	0	0	0	0	0	0	0	0	0	3	3	6	0	0	0	0	0	0	-	20
582.0052	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	SF	61	67	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	268
584.0320nn	SLAB RECONSTRUCTION CONCRETE	SY	275	291	566	161	161	322	203	167	370	132	132	265	197	197	395	155	132	286	484	5,320
586.0201	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	EACH	0	0	0	371	371	742	236	212	448	343	343	686	324	324	648	371	336	707	-	13,053
586.10	FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL	EACH	0	0	0	0	30	30	0	0	0	60	90	150	0	0	0	0	0	0	-	210
595.50000018	SHEET-APPLIED WATERPROOFING MEMBRANE	SF	0	0	0	8,599	8,599	17,198	9,284	8,462	17,746	6,416	6,416	12,832	12,400	12,400	24,800	8,193	7,467	15,660	-	174,504
627.50140008	CUTTING PAVEMENT	LF	0	0	0	318	318	636	233	212	445	289	289	578	323	323	646	317	289	605	-	7,808

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
ERIC L. ALEXOPOULOS
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR
077797

NOTES:
1. THE ESTIMATE OF QUANTITIES AND INDEX SHOWN ON THIS SHEET ARE FOR THE BRIDGE JOINT AND DECK REPAIR DRAWINGS ONLY.

BRIDGE INDEX OF DRAWINGS

SHEET NO.	DWG. NO.	DESCRIPTION
389	EQ-1	BRIDGE ESTIMATE OF QUANTITIES & INDEX
390	BT-1	BRIDGE TABLES
391 - 398	BP-1 TO BP-8	BRIDGE PLANS
399 - 405	JD-1 TO JD-7	BRIDGE JOINT DETAILS

BRIDGE INDEX OF DRAWINGS (CONT'D)

SHEET NO.	DWG. NO.	DESCRIPTION
406 - 407	BR-1 & BR-2	BRIDGE DECK, APPROCAH SLAB & HEADER REPAIRS
408 - 417	BL-1 TO BL-10	BAR LIST
418 - 421	ST-1 TO ST-4	STRUCTURAL STEEL REPAIR DETAILS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: BRIDGE ESTIMATE OF QUANTITIES & INDEX

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: EQ-1

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
QUALITY CHECK BY: E. SWEET

SUMMARY OF DECK AND APPROACH SLAB AREAS

BRIDGE OVER	LOCATION	NB AREA (SF)	SB AREA (SF)	TOTAL (SF)
CLINTON ST M.P. 901.56 BIN 5046459	BEGIN APPROACH SLAB	2,056	2,056	4,112
	SPAN 1 DECK	2,278	2,278	
	SPAN 2 DECK	5,878	5,878	21,540
	SPAN 3 DECK	2,614	2,614	
	END APPROACH SLAB	2,056	2,056	4,112
SENECA ST M.P. 902.22 BIN 5011959	BEGIN APPROACH SLAB	2,465	2,465	4,930
	SPAN 1 DECK	3,135	3,135	
	SPAN 2 DECK	6,303	6,303	25,546
	SPAN 3 DECK	3,335	3,335	
	END APPROACH SLAB	2,465	2,465	4,930
MILTON ST M.P. 902.44 BIN 5512209	BEGIN APPROACH SLAB	2,209	1,602	3,811
	SPAN 1 DECK	1,953	1,780	
	SPAN 2 DECK	2,910	2,652	12,886
	SPAN 3 DECK	1,879	1,712	
	END APPROACH SLAB	2,209	1,602	3,811
BABCOCK ST M.P. 902.63 BIN 5512219	BEGIN APPROACH SLAB	1,602	1,602	3,204
	SPAN 1 DECK	1,720	1,720	
	SPAN 2 DECK	3,445	3,445	13,834
	SPAN 3 DECK	1,752	1,752	
	END APPROACH SLAB	1,602	1,602	3,204
PEABODY ST M.P. 902.84 BIN 5512229	BEGIN APPROACH SLAB	1,490	1,490	2,980
	SPAN 1 DECK	1,655	1,655	
	SPAN 2 DECK	2,673	2,673	12,462
	SPAN 3 DECK	1,903	1,903	
	END APPROACH SLAB	1,490	1,490	2,980
SMITH ST M.P. 903.14 BIN 5512249	BEGIN APPROACH SLAB	2,027	2,027	4,054
	SPAN 1 DECK	2,176	2,176	
	SPAN 2 DECK	4,423	4,423	17,198
	SPAN 3 DECK	2,000	2,000	
	END APPROACH SLAB	2,027	2,027	4,054
ERIE RR. M.P. 903.32 BIN 5512259	BEGIN APPROACH SLAB	2,455	1,741	4,196
	SPAN 1 DECK	2,868	2,614	
	SPAN 2 DECK	3,548	3,234	17,746
	SPAN 3 DECK	2,868	2,614	
	END APPROACH SLAB	2,455	1,741	4,196
VAN RENSSELAER ST M.P. 903.48 BIN 5512269	BEGIN APPROACH SLAB	1,467	1,467	2,934
	SPAN 1 DECK	1,871	1,871	
	SPAN 2 DECK	2,574	2,574	12,832
	SPAN 3 DECK	1,971	1,971	
	END APPROACH SLAB	1,467	1,467	2,934
CSX RR M.P. 903.66 BIN 5512279	BEGIN APPROACH SLAB	1,765	1,765	3,530
	SPAN 1 DECK	2,702	2,702	
	SPAN 2 DECK	3,026	3,026	24,800
	SPAN 3 DECK	4,154	4,154	
	SPAN 4 DECK	2,518	2,518	
	END APPROACH SLAB	1,765	1,765	3,530
HAMBURG ST M.P. 903.79 BIN 5512289	BEGIN APPROACH SLAB	1,924	1,442	3,366
	SPAN 1 DECK	2,316	2,111	
	SPAN 2 DECK	3,666	3,341	15,660
	SPAN 3 DECK	2,211	2,015	
	END APPROACH SLAB	1,924	1,442	3,366

SUMMARY OF DECK AND APPROACH SLAB AREAS

BRIDGE OVER	LOCATION	NB AREA (SF)	SB AREA (SF)	TOTAL (SF)
BAILEY AVE & NS RR M.P. 901.88 BIN 5512199	BEGIN APPROACH SLAB	1,739	1,734	3,473
	SPAN 1 DECK	3,956	3,454	
	SPAN 2 DECK	4,700	4,200	
	SPAN 3 DECK	3,395	3,539	
	SPAN 4 DECK	3,924	3,570	
	SPAN 5 DECK	3,902	0	
	SPAN 6 DECK	3,137	3,276	
	SPAN 7 DECK	6,494	5,959	97,480
	SPAN 8 DECK	0	3,759	
	SPAN 9 DECK	3,262	3,806	
	SPAN 10 DECK	0	3,755	
	SPAN 11 DECK	4,788	3,837	
	SPAN 12 DECK	0	6,311	
	SPAN 13 DECK	11,348	3,108	
	END APPROACH SLAB	2,460	2,443	4,903
SELKIRK ST & RR YARD M.P. 902.99 BIN 5512239	BEGIN APPROACH SLAB	1,589	1,589	3,178
	SPAN 1 DECK	2,662	2,913	
	SPAN 2 DECK	4,961	5,427	
	SPAN 3 DECK	5,130	5,612	
	SPAN 4 DECK	5,180	5,667	59,172
	SPAN 5 DECK	4,421	4,837	
	SPAN 6 DECK	3,573	3,217	
	SPAN 7 DECK	2,661	2,911	
	END APPROACH SLAB	1,440	1,440	2,880

THE DECK AND APPROACH SLAB AREAS SHOWN IN THESE TABLES ARE APPROXIMATE AND ARE SHOWN TO HELP FACILITATE BIDDING. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL PERTINANT DIMENSIONS.

FOR THE PURPOSE OF ESTIMATING QUANTITIES, THE AREAS SHOWN REPRESENT THE "EFFECTIVE" DECK AREA, AND EXCLUDE THE FOOTPRINT OF THE CONCRETE BARRIERS.

SHEET-APPLIED WATERPROOFING MEMBRANE

ITEM 595.50000018

BRIDGE OVER	LOCATION	NB AREA (SF)	SB AREA (SF)	TOTAL (SF)
CLINTON ST M.P. 901.56 BIN 5046459	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	2,278	2,278	
	SPAN 2 DECK	5,878	5,878	21,540
	SPAN 3 DECK	2,614	2,614	
	END APPROACH SLAB	-	-	
SENECA ST M.P. 902.22 BIN 5011959	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	3,135	3,135	
	SPAN 2 DECK	6,303	6,303	25,546
	SPAN 3 DECK	3,335	3,335	
	END APPROACH SLAB	-	-	
MILTON ST M.P. 902.44 BIN 5512209	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	1,953	1,780	
	SPAN 2 DECK	2,910	2,652	12,886
	SPAN 3 DECK	1,879	1,712	
	END APPROACH SLAB	-	-	
BABCOCK ST M.P. 902.63 BIN 5512219	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	1,720	1,720	
	SPAN 2 DECK	3,445	3,445	13,834
	SPAN 3 DECK	1,752	1,752	
	END APPROACH SLAB	-	-	
PEABODY ST M.P. 902.84 BIN 5512229	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	1,655	1,655	
	SPAN 2 DECK	2,673	2,673	12,462
	SPAN 3 DECK	1,903	1,903	
	END APPROACH SLAB	-	-	
SMITH ST M.P. 903.14 BIN 5512249	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	2,176	2,176	
	SPAN 2 DECK	4,423	4,423	17,198
	SPAN 3 DECK	2,000	2,000	
	END APPROACH SLAB	-	-	
ERIE RR. M.P. 903.32 BIN 5512259	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	2,868	2,614	
	SPAN 2 DECK	3,548	3,234	17,746
	SPAN 3 DECK	2,868	2,614	
	END APPROACH SLAB	-	-	
VAN RENSSELAER ST M.P. 903.48 BIN 5512269	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	1,871	1,871	
	SPAN 2 DECK	2,574	2,574	12,832
	SPAN 3 DECK	1,971	1,971	
	END APPROACH SLAB	-	-	
CSX RR M.P. 903.66 BIN 5512279	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	2,702	2,702	
	SPAN 2 DECK	3,026	3,026	24,800
	SPAN 3 DECK	4,154	4,154	
	SPAN 4 DECK	2,518	2,518	
	END APPROACH SLAB	-	-	
HAMBURG ST M.P. 903.79 BIN 5512289	BEGIN APPROACH SLAB	-	-	
	SPAN 1 DECK	2,316	2,111	
	SPAN 2 DECK	3,666	3,341	15,660
	SPAN 3 DECK	2,211	2,015	
	END APPROACH SLAB	-	-	
			TOTAL	174,504

THE DECK AREAS SHOWN IN THIS TABLE ARE APPROXIMATE AND ARE SHOWN TO HELP FACILITATE BIDDING. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL PERTINANT DIMENSIONS.

FOR THE PURPOSE OF ESTIMATING QUANTITIES, THE AREAS SHOWN REPRESENT THE "EFFECTIVE" DECK AREA, AND EXCLUDE THE FOOTPRINT OF THE CONCRETE BARRIERS.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
ERIC L. ALEXOPOULOS
LICENSED PROFESSIONAL ENGINEER
077797
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

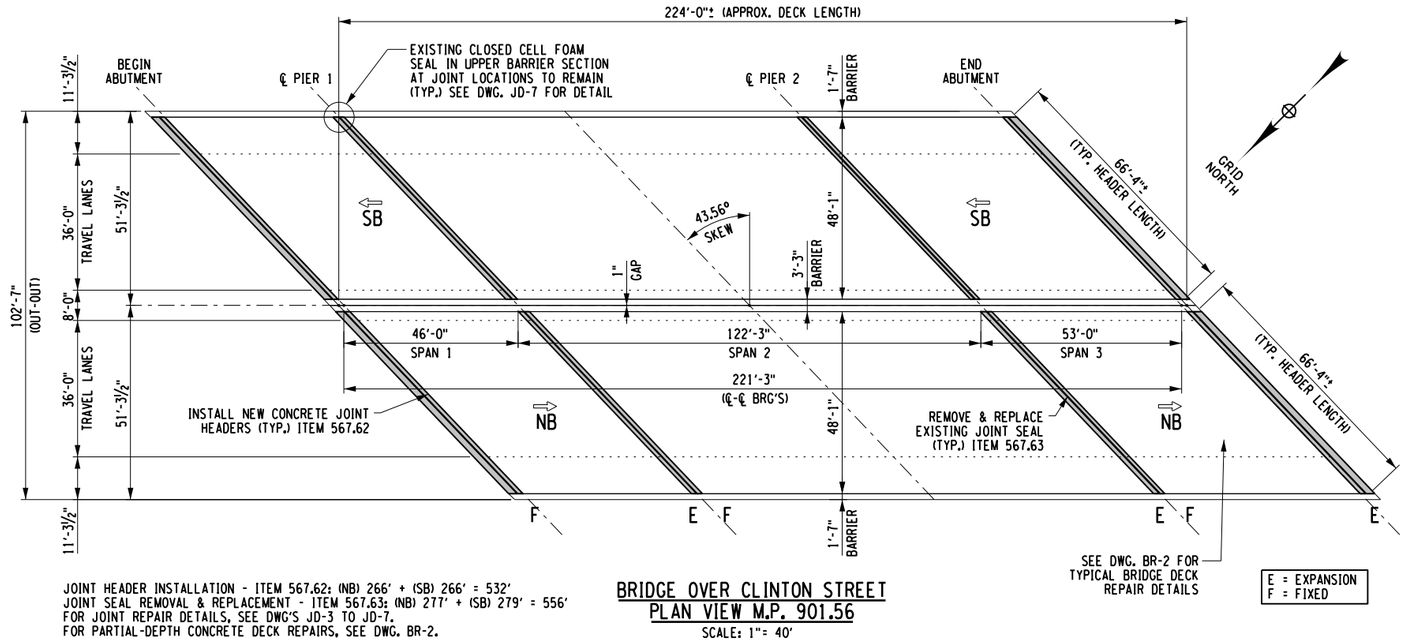
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: BRIDGE TABLES

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: BT-1



JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 266' + (SB) 266' = 532'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 277' + (SB) 279' = 556'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

BRIDGE OVER CLINTON STREET
PLAN VIEW M.P. 901.56
SCALE: 1"= 40'

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/8
35	1 1/8
40	1 1/8
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.375	
TOTAL MOVEMENT (IN.) = 0.5	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/4
35	1 3/4
40	1 3/4
45	1 5/8
50	1 5/8
55	1 1/2
60	1 1/2
65	1 1/2
70	1 1/2
75	1 3/8
80	1 3/8
85	1 1/4
90	1 1/4
95	1 1/8
100	1 1/8
105	1 1/8
110	1 1/8
NOTES:	
MIN. OPENING (IN.) = 1.125	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.25	
TOTAL MOVEMENT (IN.) = 1.5	

END ABUTMENT

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/4
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.625	

NOTES:
1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLES PROVIDED ON THIS SHEET.
2. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
QUALITY CONTROL BY: E. SWEET

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · 077797 · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

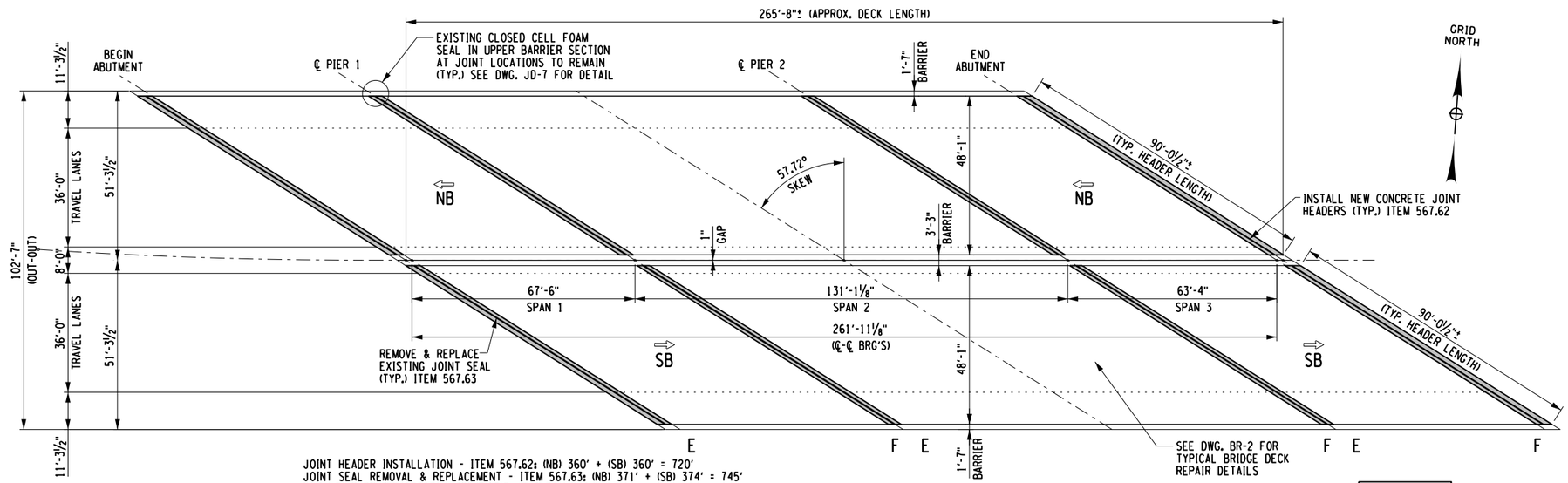
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacobleibros.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (1 OF 8)

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-1



JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 360' + (SB) 360' = 720'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 371' + (SB) 374' = 745'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

BRIDGE OVER SENECA STREET
PLAN VIEW M.P. 902.22
SCALE: 1"= 40'

BEGIN ABUTMENT

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 3/8
50	1 3/8
55	1 3/8
60	1 3/8
65	1 3/8
70	1 1/4
75	1 1/4
80	1 1/4
85	1 1/4
90	1 1/8
95	1 1/8
100	1 1/8
105	1 1/8
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.75	
TOTAL MOVEMENT (IN.) = 0.875	

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/4
35	2 1/4
40	2 1/8
45	2 1/8
50	2
55	2
60	1 7/8
65	1 7/8
70	1 3/4
75	1 3/4
80	1 3/4
85	1 3/4
90	1 5/8
95	1 5/8
100	1 1/2
105	1 1/2
110	1 3/8
NOTES:	
MIN. OPENING (IN.) = 1.375	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.75	
TOTAL MOVEMENT (IN.) = 1.625	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 3/8
50	1 3/8
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/4
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.75	
TOTAL MOVEMENT (IN.) = 0.75	

NOTES:
1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLES PROVIDED ON THIS SHEET.
2. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S SCHUKRAFT
DRAFTED BY: S SCHUKRAFT
CHECKED BY: E. SWEET
CHECKED BY: E. SWEET

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK · ERIC L. ALEXOPOULOS · 077797 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

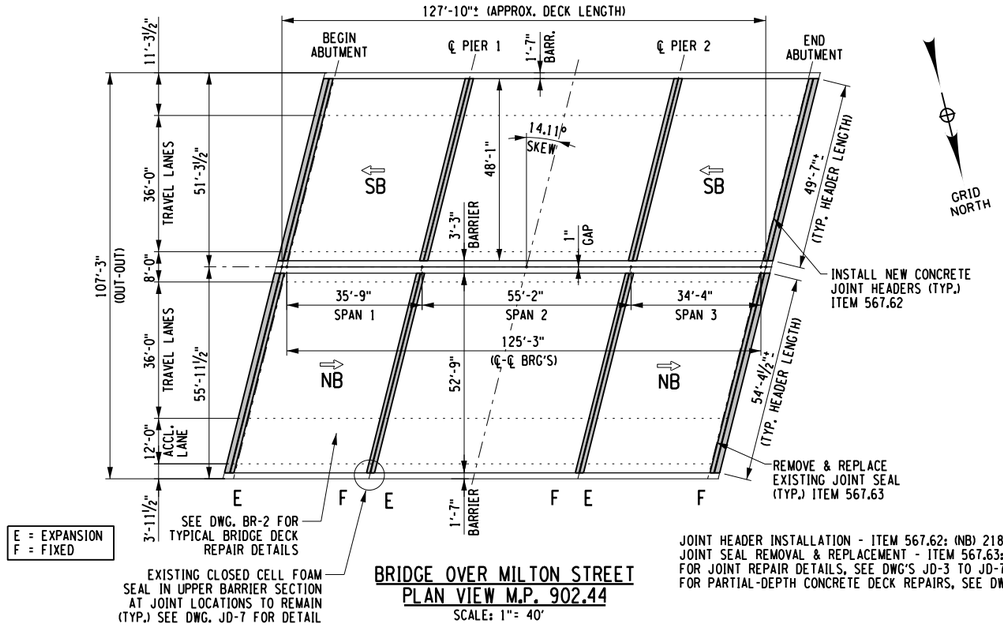
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (2 OF 8)
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-2



BRIDGE OVER MILTON STREET
PLAN VIEW M.P. 902.44
SCALE: 1"= 40'

JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 218' + (SB) 199' = 417'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 229' + (SB) 212' = 441'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

BEGIN ABUTMENT

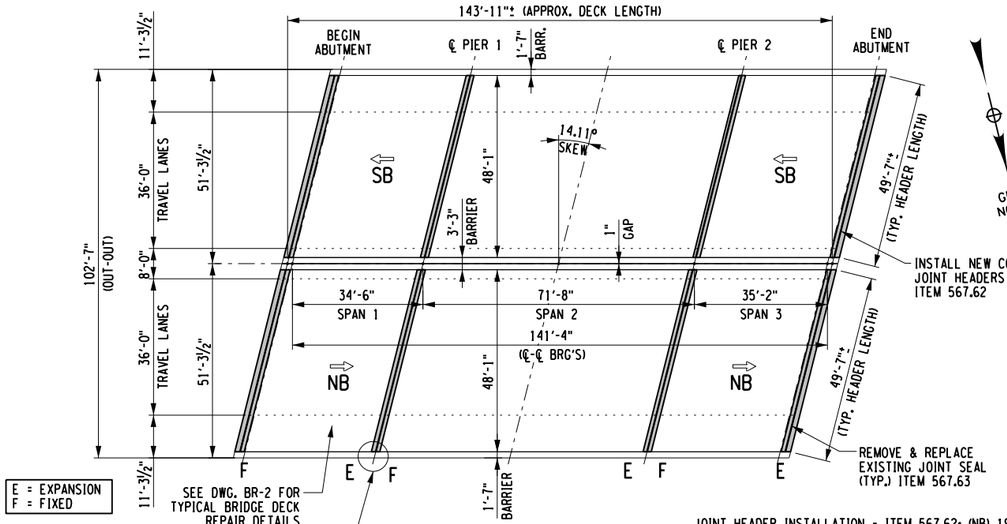
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/8
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1
80	1
85	1
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.375	
TOTAL MOVEMENT (IN.) = 0.375	

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625	
TOTAL MOVEMENT (IN.) = 0.625	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/8
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1 1/8
80	1
85	1
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.375	
TOTAL MOVEMENT (IN.) = 0.375	



BRIDGE OVER BABCOCK STREET
PLAN VIEW M.P. 902.63
SCALE: 1"= 40'

JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 199' + (SB) 199' = 398'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 209' + (SB) 212' = 421'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/8
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1 1/8
80	1
85	1
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.375	
TOTAL MOVEMENT (IN.) = 0.375	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/2
35	1 1/2
40	1 1/2
45	1 1/2
50	1 3/8
55	1 3/8
60	1 3/8
65	1 1/4
70	1 1/4
75	1 1/4
80	1 1/4
85	1 1/8
90	1 1/8
95	1 1/8
100	1 1/8
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.875	
TOTAL MOVEMENT (IN.) = 0.875	

END ABUTMENT

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/8
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1
80	1
85	1
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.375	
TOTAL MOVEMENT (IN.) = 0.375	

NOTES:
1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLES PROVIDED ON THIS SHEET.
2. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S SCHUKRAFT
DRAFTED BY: S SCHUKRAFT
CHECKED BY: E. SWEET

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

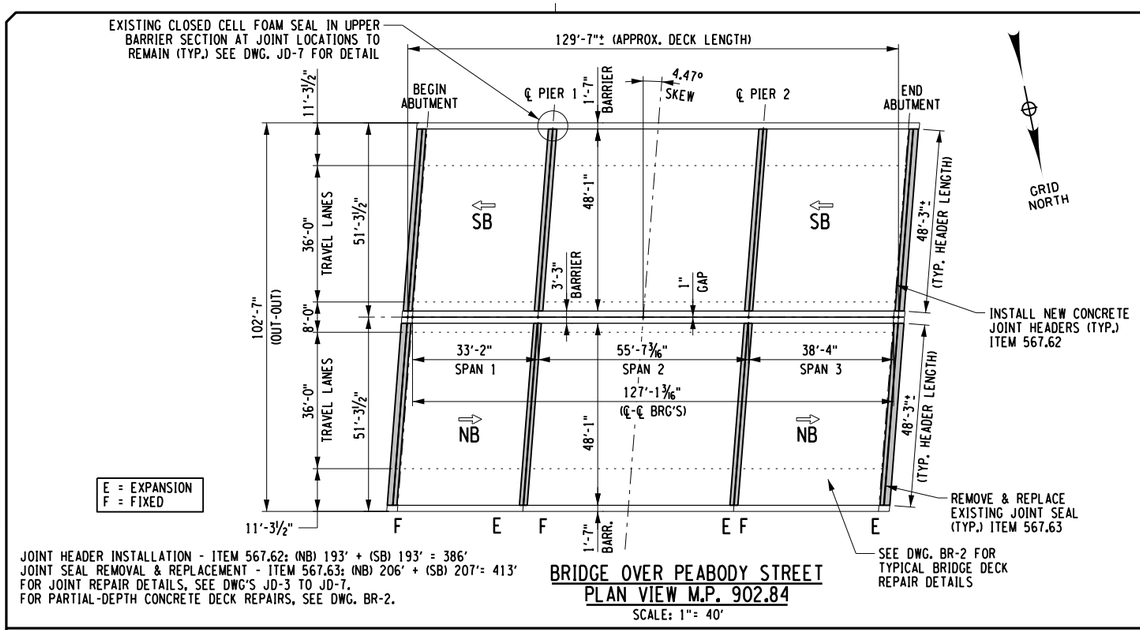
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (3 OF 8)
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-3



JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 193' + (SB) 193' = 386'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 206' + (SB) 207'= 413'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

BRIDGE OVER PEABODY STREET
PLAN VIEW M.P. 902.84
SCALE: 1"= 40'

PIER 1

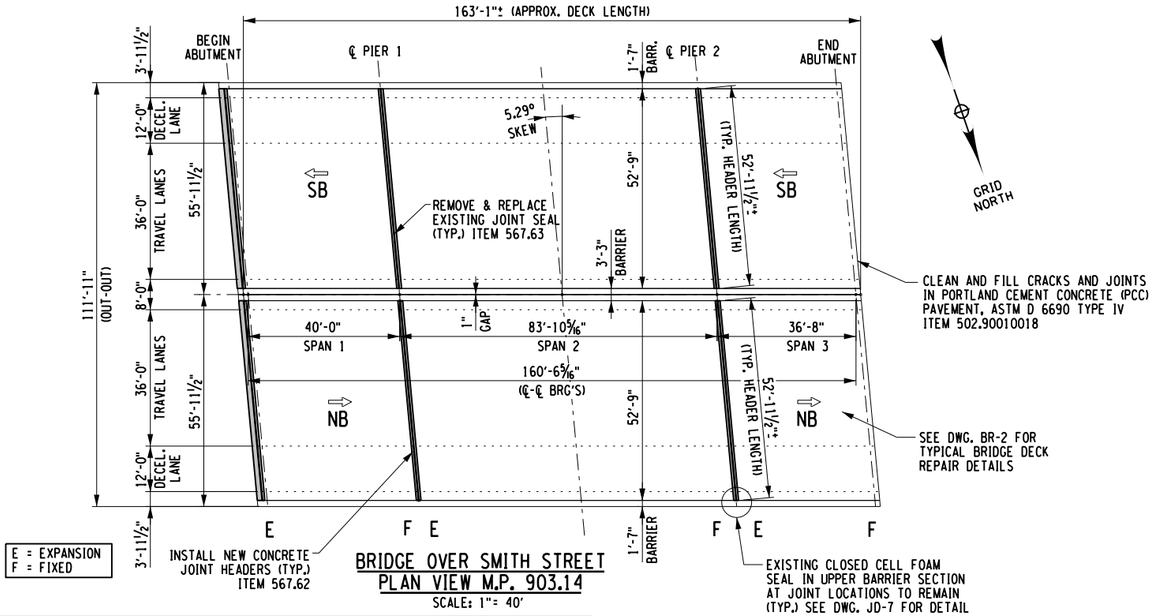
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/4
45	1 1/8
50	1 1/8
55	1 1/8
60	1 1/8
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.375	
TOTAL MOVEMENT (IN.) = 0.375	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625	
TOTAL MOVEMENT (IN.) = 0.625	

END ABUTMENT

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1 1/8
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	



BRIDGE OVER SMITH STREET
PLAN VIEW M.P. 903.14
SCALE: 1"= 40'

BEGIN ABUTMENT

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 7/8
35	1 7/8
40	1 3/4
45	1 3/4
50	1 3/4
55	1 5/8
60	1 5/8
65	1 5/8
70	1 1/2
75	1 1/2
80	1 1/2
85	1 3/8
90	1 3/8
95	1 3/8
100	1 1/4
105	1 1/4
110	1 1/4
NOTES:	
MIN. OPENING (IN.) = 1.25	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.25	
TOTAL MOVEMENT (IN.) = 1	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/4
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1 1/8
105	1 1/8
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	

JOINT HEADER INSTALLATION ITEM 567.62: (NB) 159'+ (SB) 159' = 318'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 170'+ (SB) 170' = 340'
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 53'+ (SB) 53' = 106'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

NOTES:

1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLES PROVIDED ON THIS SHEET.
2. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
DESIGNED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
DESIGN SUPERVISOR: D MARSH

ALTERED ON:
AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:
SIGNATURE:
STAMP:

STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

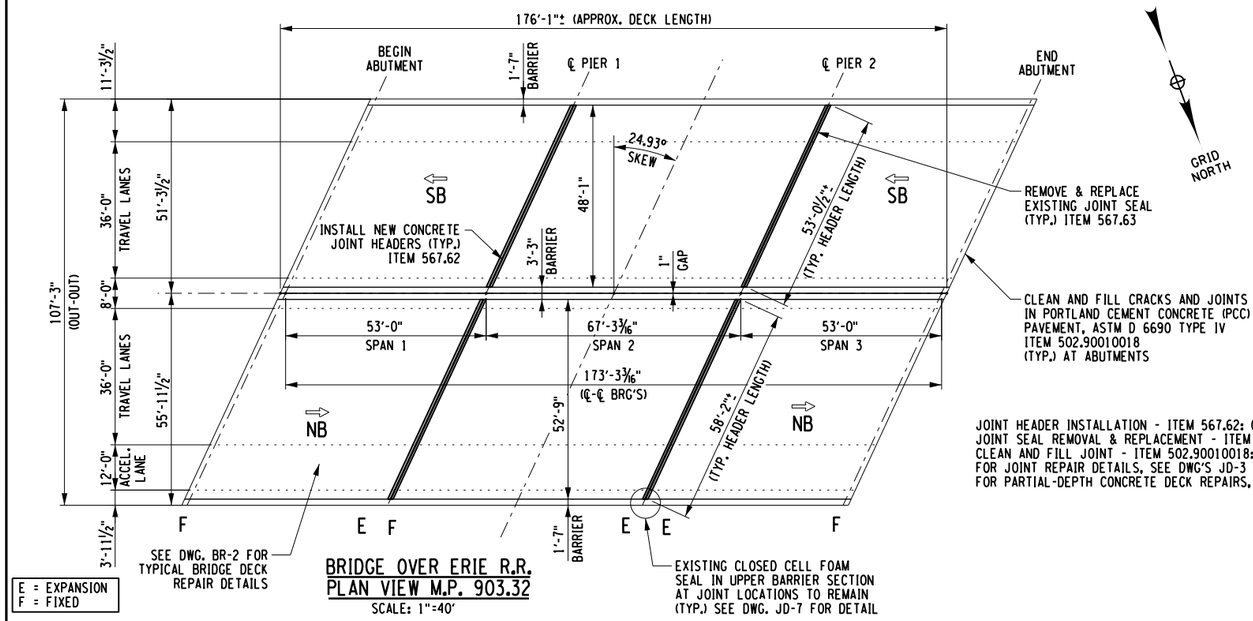
NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
3200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (4 OF 8)

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-4



BRIDGE OVER ERIE R.R.
PLAN VIEW M.P. 903.32
SCALE: 1"=40'

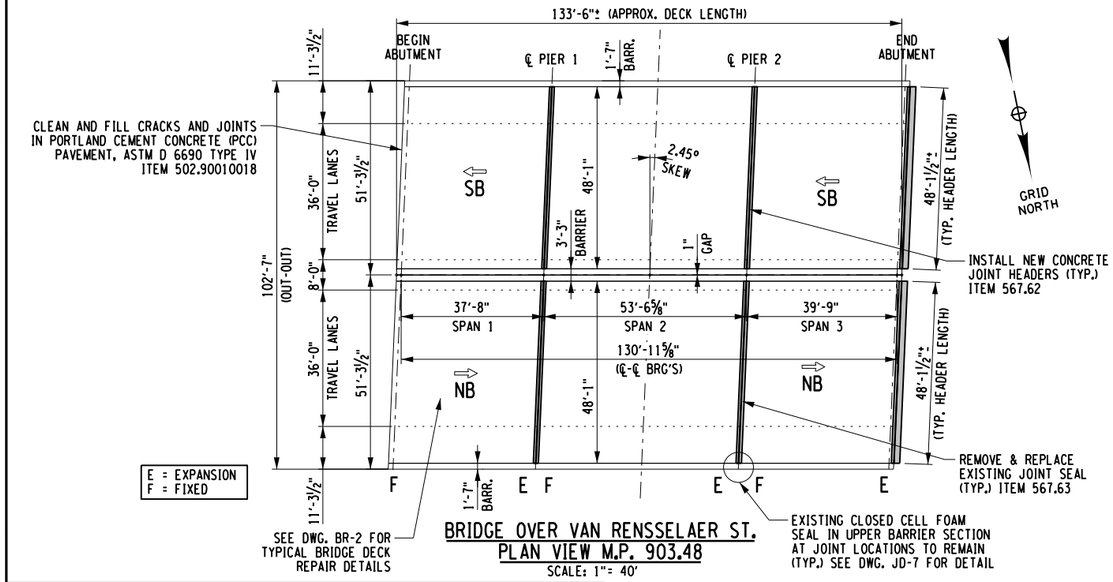
JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 117'+ (SB) 106' = 223'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 124'+ (SB) 114' = 238'
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 117'+ (SB) 106' = 223'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625	
TOTAL MOVEMENT (IN.) = 0.625	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/8
35	2 1/8
40	2 1/8
45	2
50	2
55	1 7/8
60	1 7/8
65	1 7/8
70	1 7/8
75	1 3/4
80	1 3/4
85	1 3/4
90	1 5/8
95	1 5/8
100	1 1/2
105	1 1/2
110	1 3/8
NOTES:	
MIN. OPENING (IN.) = 1.375	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.75	
TOTAL MOVEMENT (IN.) = 1.5	



BRIDGE OVER VAN RENSSELAER ST.
PLAN VIEW M.P. 903.48
SCALE: 1"= 40'

JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 155'+ (SB) 155' = 310'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 151'+ (SB) 151' = 302'
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 49'+ (SB) 49' = 98'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1 1/8
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625	
TOTAL MOVEMENT (IN.) = 0.625	

END ABUTMENT

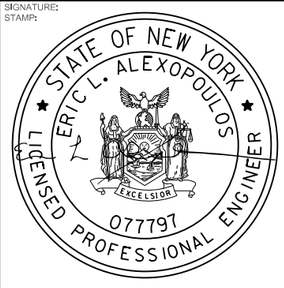
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	

NOTES:

1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLES PROVIDED ON THIS SHEET.
2. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH

ALTERED ON:
AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

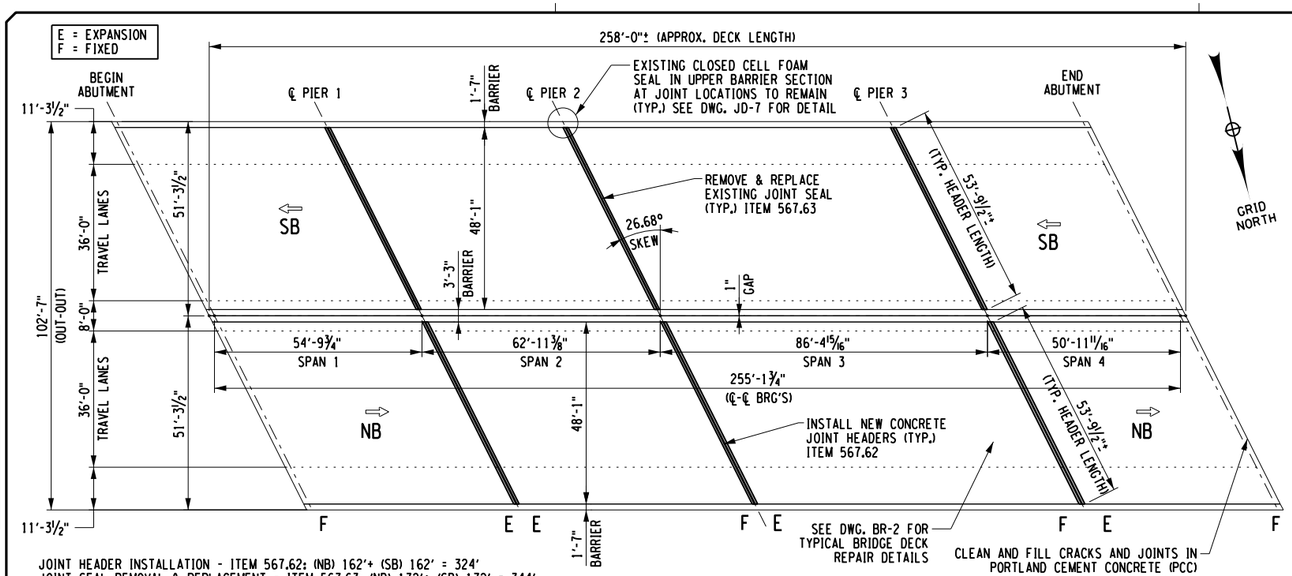
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.8500 • www.chacbltons.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (5 OF 8)
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-5

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET



JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 162'+ (SB) 162' = 324'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 172'+ (SB) 172' = 344'
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 108'+ (SB) 108' = 216'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

BRIDGE OVER CSX RR
PLAN VIEW M.P. 903.66
SCALE: 1"= 40'

PIER 1

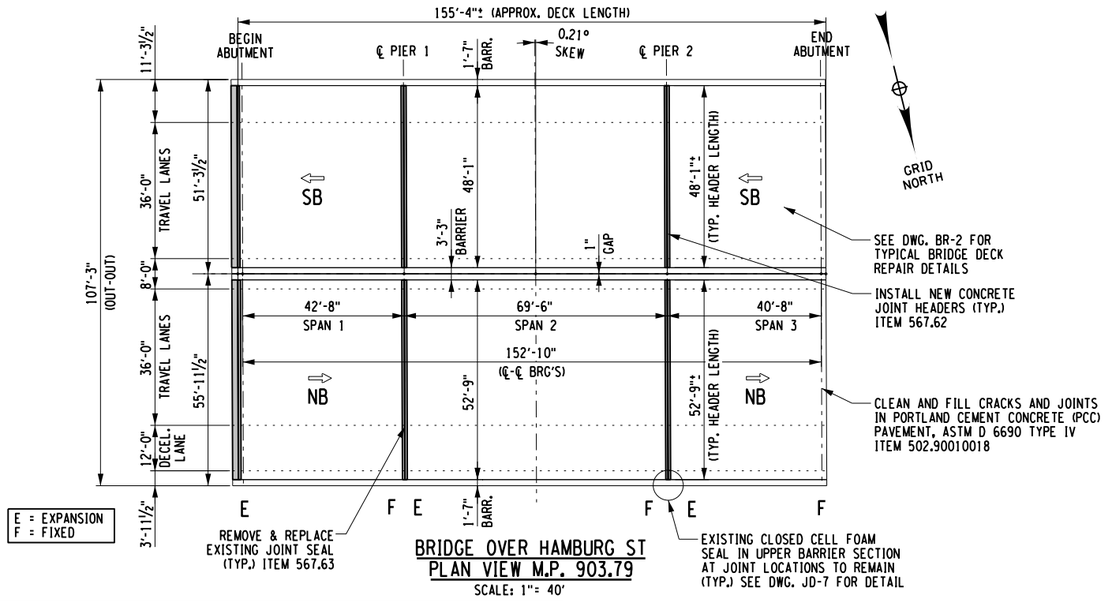
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/4
35	2 1/8
40	2 1/8
45	2
50	2
55	1 7/8
60	1 7/8
65	1 7/8
70	1 3/4
75	1 3/4
80	1 5/8
85	1 5/8
90	1 5/8
95	1 5/8
100	1 1/2
105	1 1/2
110	1 1/2
NOTES:	
MIN. OPENING (IN.) = 1.5	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.75	
TOTAL MOVEMENT (IN.) = 1.375	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 5/8
35	1 5/8
40	1 5/8
45	1 5/8
50	1 1/2
55	1 1/2
60	1 1/2
65	1 1/2
70	1 3/8
75	1 3/8
80	1 3/8
85	1 1/4
90	1 1/4
95	1 1/4
100	1 1/8
105	1 1/8
110	1 1/8
NOTES:	
MIN. OPENING (IN.) = 1.125	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.125	
TOTAL MOVEMENT (IN.) = 1	

PIER 3

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 3/8
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/4
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625	
TOTAL MOVEMENT (IN.) = 0.625	



BRIDGE OVER HAMBURG ST
PLAN VIEW M.P. 903.79
SCALE: 1"= 40'

BEGIN ABUTMENT

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/8
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/2
35	1 1/2
40	1 1/2
45	1 1/2
50	1 3/8
55	1 3/8
60	1 3/8
65	1 3/8
70	1 1/4
75	1 1/4
80	1 1/4
85	1 1/4
90	1 1/8
95	1 1/8
100	1 1/8
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.875	
TOTAL MOVEMENT (IN.) = 0.875	

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/4
35	1 1/4
40	1 1/4
45	1 1/4
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/8
70	1 1/8
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1
100	1
105	1
110	1
NOTES:	
MIN. OPENING (IN.) = 1	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.5	
TOTAL MOVEMENT (IN.) = 0.5	

JOINT HEADER INSTALLATION - ITEM 567.62: (NB) 159'+ (SB) 145' = 304'
JOINT SEAL REMOVAL & REPLACEMENT - ITEM 567.63: (NB) 169'+ (SB) 154' = 323'
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 53'+ (SB) 49' = 102'
FOR JOINT REPAIR DETAILS, SEE DWG'S JD-3 TO JD-7.
FOR PARTIAL-DEPTH CONCRETE DECK REPAIRS, SEE DWG. BR-2.

NOTES:
1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLES PROVIDED ON THIS SHEET.
2. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (6 OF 8)
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-6

PIER 1

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/2
35	1 3/8
40	1 3/8
45	1 3/8
50	1 3/8
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/4
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1
100	1
105	1
110	1

NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.75
TOTAL MOVEMENT (IN.) = 0.75

PIER 2

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/4
35	1 5/8
40	1 5/8
45	1 5/8
50	1 5/8
55	1 1/2
60	1 1/2
65	1 1/2
70	1 3/8
75	1 3/8
80	1 3/8
85	1 1/4
90	1 1/4
95	1 1/4
100	1 1/8
105	1 1/8
110	1 1/8

NOTES:
MIN. OPENING (IN.) = 1.125
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.125
TOTAL MOVEMENT (IN.) = 1

PIER 3

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 3/8
50	1 1/4
55	1 1/4
60	1 1/4
65	1 1/4
70	1 1/4
75	1 1/8
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1
105	1
110	1

NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625
TOTAL MOVEMENT (IN.) = 0.625

PIER 4

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 1/2
35	1 1/2
40	1 1/2
45	1 1/2
50	1 3/8
55	1 3/8
60	1 3/8
65	1 1/4
70	1 1/4
75	1 1/4
80	1 1/4
85	1 1/8
90	1 1/8
95	1 1/8
100	1 1/8
105	1
110	1

NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.875
TOTAL MOVEMENT (IN.) = 0.875

PIER 5

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	3 1/4
35	3 1/4
40	3 1/8
45	3
50	3
55	2 7/8
60	2 7/8
65	2 3/4
70	2 3/4
75	2 5/8
80	2 1/2
85	2 1/2
90	2 3/8
95	2 3/8
100	2 1/4
105	2 1/4
110	2 1/8

NOTES:
MIN. OPENING (IN.) = 2.125
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 4
TOTAL MOVEMENT (IN.) = 1.875

PIER 6

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 3/8
35	1 3/8
40	1 3/8
45	1 3/8
50	1 3/8
55	1 3/8
60	1 3/8
65	1 1/4
70	1 1/4
75	1 1/4
80	1 1/8
85	1 1/8
90	1 1/8
95	1 1/8
100	1
105	1
110	1

NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.75
TOTAL MOVEMENT (IN.) = 0.875

PIER 7

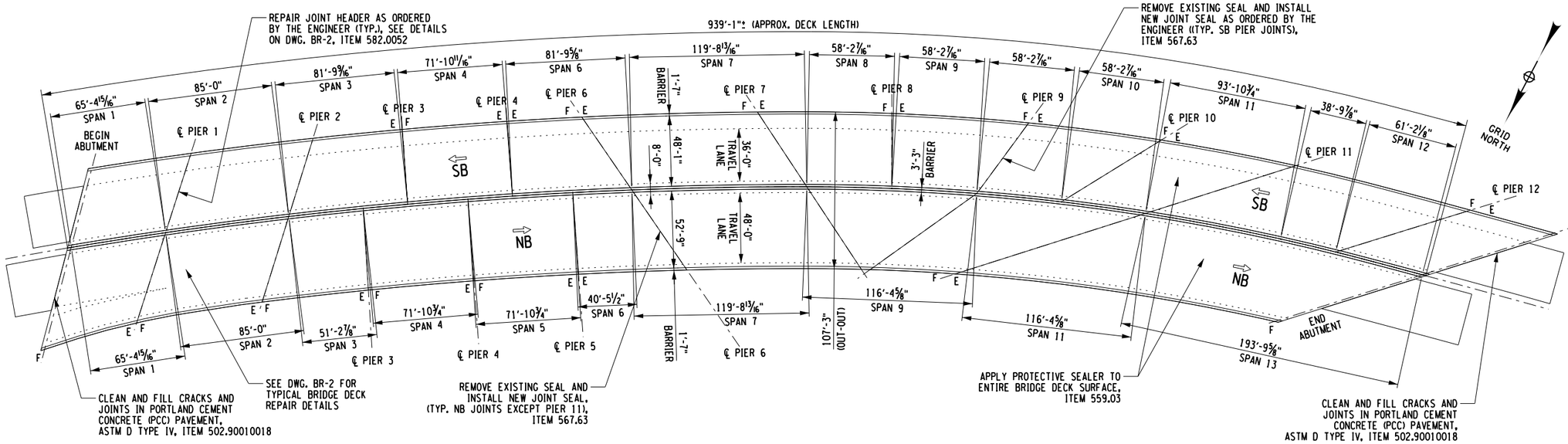
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/8
35	2
40	2
45	1 7/8
50	1 7/8
55	1 3/4
60	1 3/4
65	1 5/8
70	1 5/8
75	1 1/2
80	1 1/2
85	1 1/2
90	1 1/2
95	1 1/2
100	1 3/8
105	1 3/8
110	1 1/4

NOTES:
MIN. OPENING (IN.) = 1.25
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.5
TOTAL MOVEMENT (IN.) = 1.5

PIER 9

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 7/8
35	1 7/8
40	1 7/8
45	1 3/4
50	1 3/4
55	1 5/8
60	1 5/8
65	1 5/8
70	1 1/2
75	1 1/2
80	1 3/8
85	1 3/8
90	1 3/8
95	1 3/8
100	1 3/8
105	1 1/4
110	1 1/4

NOTES:
MIN. OPENING (IN.) = 1.25
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.375
TOTAL MOVEMENT (IN.) = 1.375



E = EXPANSION
F = FIXED

BRIDGE OVER BAILEY AVENUE & NS RR
PLAN VIEW M.P. 901.88
SCALE: 1"= 80'

JOINT SEAL REMOVAL AND REPLACEMENT - ITEM 567.63: (NB) 860' + (SB A.O.B.E.) 190' = 1,050'
REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE - ITEM 582.0052: 140 SF
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 170' + (SB) 130' = 300'
FOR JOINT SEAL DETAILS SEE DWG. NO. JD-7.
FOR TYPICAL CONCRETE REPAIR DETAILS, SEE DWG. NO. BR-2
JOINT SEAL OPENINGS AT LOCATIONS ORDERED BY THE ENGINEER SHALL BE DESIGNED BY THE CONTRACTOR AT THE LOCATIONS REQUIRED.
FOR PROTECTIVE SEALING OF EXISTING BRIDGE DECK, ITEM 559.03, QUANTITY, SEE TABLE ON DWG. BP-8.

DRAFTED BY: S.SCHUKRAFT
DESIGNED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: ERIC L. ALEXOPOULOS LICENSED PROFESSIONAL ENGINEER 077797 STATE OF NEW YORK EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

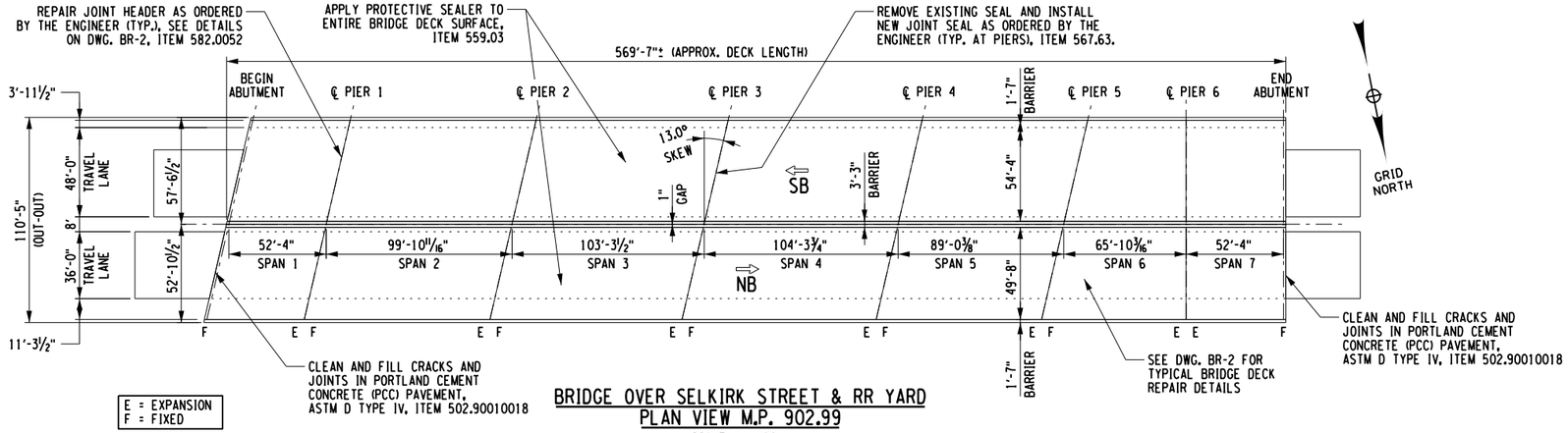
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2350 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	BRIDGE PLAN (7 OF 8)
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	BP-7



E = EXPANSION
F = FIXED

BRIDGE OVER SELKIRK STREET & RR YARD
PLAN VIEW M.P. 902.99

SCALE: 1"= 80'

JOINT SEAL REMOVAL AND REPLACEMENT - ITEM 567.63: (NB & SB A.O.B.E.) 165'
REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE - ITEM 582.0052: 128 SF
CLEAN AND FILL JOINT - ITEM 502.90010018: (NB) 105' + (SB) 115' = 220'
FOR JOINT SEAL DETAILS SEE DWG. NO. JD-7.
FOR TYPICAL CONCRETE REPAIR DETAILS, SEE DWG. NO. BR-2
JOINT SEAL OPENINGS AT LOCATIONS ORDERED BY THE ENGINEER SHALL BE DESIGNED BY THE CONTRACTOR AT THE LOCATIONS REQUIRED.

PROTECTIVE SEALING OF EXISTING BRIDGE DECKS
ITEM 559.03

BRIDGE OVER	LOCATION	NB AREA (SF)	SB AREA (SF)	TOTAL (SF)
BAILEY AVE & NS RR M.P. 901.88 BIN 5512199	SPAN 1 DECK	3,956	3,454	
	SPAN 2 DECK	4,700	4,200	
	SPAN 3 DECK	3,395	3,539	
	SPAN 4 DECK	3,924	3,570	
	SPAN 5 DECK	3,902	0	
	SPAN 6 DECK	3,137	3,276	
	SPAN 7 DECK	6,494	5,959	97,480
	SPAN 8 DECK	0	3,759	
	SPAN 9 DECK	3,262	3,806	
	SPAN 10 DECK	0	3,755	
	SPAN 11 DECK	4,788	3,837	
	SPAN 12 DECK	0	6,311	
	SPAN 13 DECK	11,348	3,108	
SELKIRK ST & RR YARD M.P. 902.99 BIN 5512239	SPAN 1 DECK	2,662	2,913	
	SPAN 2 DECK	4,961	5,427	
	SPAN 3 DECK	5,130	5,612	
	SPAN 4 DECK	5,180	5,667	59,172
	SPAN 5 DECK	4,421	4,837	
	SPAN 6 DECK	3,573	3,217	
	SPAN 7 DECK	2,661	2,911	
			TOTAL	156,652

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
CHECKED BY: E. SWEET

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
ERIC L. ALEXOPOULOS
077797
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacobb.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE PLAN (8 OF 8)

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BP-8

DRAFTED BY: S.SCHUKRAFT
DESIGNED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH

BRIDGE JOINT TABLE - NORTHBOUND

BRIDGE OVER	LOCATION	SIDE OF JOINT	EXPANSION LENGTH (FT)	SKEW (°)	DECK WIDTH BTWN. BARRIERS (PERP.)	EXISTING DIM. H (IN)	EXISTING DIM. J (@ 35° F)• (IN)	PROPOSED DIM. H' (IN)	PROPOSED DIM. J' (@ 68° F) (IN)	LENGTH OF JOINT SEAL PORTION ON DECK (FT)	LENGTH OF JOINT SEAL PORTION ON BARRIER (FT) ••	JOINT REPAIR METHOD (A OR B)
CLINTON ST M.P. 901.56 BIN 5046459	BEG. ABUT.	APPR.	0.00	43.56	48.08	18.50	3.38	19.69	1.000	66.35	1.42	A
		DECK				11.00		12.19				A
	PIER 1	BEG	46.00			11.00	3.38	12.13	1.125	66.35	1.35	A
		END				10.88		12.00				A
	PIER 2	BEG	122.25			12.38	3.88	13.56	1.500	66.35	1.33	A
		END				9.63		10.81				A
	END ABUT.	DECK	53.00			11.75	3.25	12.81	1.125	66.35	1.46	A
		APPR.				18.63		19.69				B
SENECA ST M.P. 902.22 BIN 5011959	BEG. ABUT.	APPR.	67.50	57.72	48.08	14.63	2.63	15.28	1.313	90.04	1.36	A
		DECK				11.63		12.28				A
	PIER 1	BEG	131.09			10.88	4.00	11.97	1.813	90.04	1.36	A
		END				11.50		12.59				A
	PIER 2	BEG	63.33			11.13	3.38	12.19	1.250	90.04	1.33	A
		END				10.00		11.06				A
	END ABUT.	DECK	0.00			11.00	3.13	12.06	1.000	90.04	1.33	A
		APPR.				15.25		16.31				A
MILTON ST M.P. 902.44 BIN 5512209	BEG. ABUT.	APPR.	35.75	14.11	52.75	15.75	2.75	16.56	1.125	54.39	1.40	A
		DECK				11.00		11.81				A
	PIER 1	BEG	55.17			10.50	2.88	11.38	1.125	54.39	1.29	A
		END				11.25		12.13				A
	PIER 2	BEG	34.33			10.50	2.75	11.31	1.125	54.39	1.31	A
		END				11.50		12.31				A
	END ABUT.	DECK	0.00			11.50	2.88	12.44	1.000	54.39	1.33	A
		APPR.				15.25		16.19				A
BABCOCK ST M.P. 902.63 BIN 5512219	BEG. ABUT.	APPR.	0.00	14.11	48.08	14.88	3.00	15.88	1.000	49.58	1.25	A
		DECK				11.63		12.63				A
	PIER 1	BEG	34.50			11.50	3.50	12.69	1.125	49.58	1.33	A
		END				10.63		11.81				A
	PIER 2	BEG	71.67			10.50	3.38	11.56	1.250	49.58	1.31	A
		END				11.25		12.31				A
	END ABUT.	DECK	35.17			11.25	3.00	12.19	1.125	49.58	1.27	A
		APPR.				14.75		15.69				A
PEABODY ST M.P. 902.84 BIN 5512229	BEG. ABUT.	APPR.	0.00	4.47	48.08	16.38	3.25	17.50	1.000	48.23	1.52	A
		DECK				11.00		12.13				B
	PIER 1	BEG	33.17			10.63	3.63	11.88	1.125	48.23	1.52	A
		END				10.25		11.50				A
	PIER 2	BEG	55.60			10.63	3.50	11.81	1.125	48.23	1.54	A
		END				11.00		12.19				A
	END ABUT.	DECK	38.33			11.00	3.00	11.91	1.188	48.23	1.56	A
		APPR.				17.00		17.91				B

• EXISTING JOINT OPENINGS WERE MEASURED AT A TEMPURATURE OF 35° F.

•• PORTION OF BRIDGE JOINT SEAL THAT EXTENDS UP THE VERTCIAL FACE OF THE BARRIER. LENGTH SHOWN IS FOR FASCIA BARRIER, CENTER MEDIAN BARRIER SIMILAR.

BRIDGE JOINT TABLE - NORTHBOUND (CONT'D)

BRIDGE OVER	LOCATION	SIDE OF JOINT	EXPANSION LENGTH (FT)	SKEW (°)	DECK WIDTH BTWN. BARRIERS (PERP.)	EXISTING DIM. H (IN)	EXISTING DIM. J (@ 35° F)• (IN)	PROPOSED DIM. H' (IN)	PROPOSED DIM. J' (@ 68° F) (IN)	LENGTH OF JOINT SEAL PORTION ON DECK (FT)	LENGTH OF JOINT SEAL PORTION ON BARRIER (FT) ••	JOINT REPAIR METHOD (A OR B)
SMITH ST M.P. 903.14 BIN 5512249	BEG. ABUT.	APPR.	40.00	5.29	52.75	15.00	2.00	15.44	1.125	52.98	1.83	A
		DECK				7.00		7.44				A
	PIER 1	BEG	83.86			6.38	2.63	6.91	1.563	52.98	1.79	A
		END				6.25		6.78				A
	PIER 2	BEG	36.67			6.75	2.13	7.19	1.250	52.98	1.79	A
		END				6.38		6.81				A
	END ABUT.	DECK	0.00			0.00	1.00	0.00	0.000	52.98	0.00	A
		APPR.				0.00		0.00				A
ERIE RR. M.P. 903.32 BIN 5512259	BEG. ABUT.	APPR.	0.00	24.93	52.75	0.00	1.00	0.00	0.000	58.17	0.00	A
		DECK				0.00		0.00				A
	PIER 1	BEG	53.00			7.00	2.13	7.47	1.188	58.17	1.73	A
		END				6.38		6.84				A
	PIER 2	BEG	120.27			6.25	2.50	6.56	1.875	58.17	1.75	A
		END				6.63		6.94				A
	END ABUT.	DECK	0.00			0.00	1.00	0.00	0.000	58.17	0.00	A
		APPR.				0.00		0.00				A
VAN RENSSELAER ST M.P. 903.48 BIN 5512269	BEG. ABUT.	APPR.	0.00	2.45	48.08	0.00	1.13	0.00	0.000	48.13	0.00	A
		DECK				0.00		0.00				A
	PIER 1	BEG	37.67			6.88	2.13	7.34	1.188	48.13	1.67	A
		END				6.88		7.34				A
	PIER 2	BEG	53.55			6.13	3.75	7.41	1.188	48.13	1.81	A
		END				7.63		8.91				A
	END ABUT.	DECK	39.75			6.13	3.75	7.44	1.125	48.13	1.69	A
		APPR.				16.75		18.06				B
CSX RR M.P. 903.66 BIN 5512279	BEG. ABUT.	APPR.	0.00	26.68	48.08	0.00	1.50	0.00	0.000	53.81	0.00	A
		DECK				0.00		0.00				A
	PIER 1	BEG	117.76			6.50	2.38	6.78	1.813	53.81	1.60	A
		END				6.50		6.78				A
	PIER 2	BEG	86.41			6.00	2.63	6.59	1.438	53.81	1.78	A
		END				6.63		7.22				A
	PIER 3	BEG	50.97			7.13	2.13	7.56	1.250	53.81	1.71	A
		END				7.25		7.69				A
	END ABUT.	DECK	0.00			0.00	1.25	0.00	0.000	53.81	0.00	A
		APPR.				0.00		0.00				A
HAMBURG ST M.P. 903.79 BIN 5512289	BEG. ABUT.	APPR.	42.67	0.21	52.75	17.00	3.50	18.19	1.125	52.75	1.81	A
		DECK				6.75		7.94				A
	PIER 1	BEG	69.50			6.13	3.25	7.09	1.313	52.75	1.75	A
		END				6.38		7.34				A
	PIER 2	BEG	40.67			6.25	2.13	6.75	1.125	52.75	1.79	A
		END				7.00		7.50				A
	END ABUT.	DECK	0.00			0.00	1.25	0.00	0.000	52.75	0.00	A
		APPR.				0.00		0.00				A

• EXISTING JOINT OPENINGS WERE MEASURED AT A TEMPURATURE OF 35° F.

•• PORTION OF BRIDGE JOINT SEAL THAT EXTENDS UP THE VERTCIAL FACE OF THE BARRIER. LENGTH SHOWN IS FOR FASCIA BARRIER, CENTER MEDIAN BARRIER SIMILAR.

NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL FIELD VERIFY EXISTING JOINT OPENINGS WITH PRIMARY MEMBER TEMPERATURE TAKEN INTO ACCOUNT.
3. SEE DWG. JD-3 TO JD-7 FOR EXISTING & PROPOSED JOINT DETAILS.
4. THE CONTRACTOR SHALL VERIFY THE WIDTH OF EXISTING JOINT IN THE FIELD. THE WIDTH MAY VARY FROM JOINT TO JOINT, AND ALSO MAY VARY ACROSS THE ROADWAY'S WIDTH. NO EXTRA COMPENSATION SHALL BE PAID DUE TO THESE VARIATIONS IN JOINT WIDTH. THE CONTRACTOR SHALL RECORD THE TEMPERATURE AT THE TIME OF JOINT WIDTH MEASUREMENT.
5. THE JOINT WIDTH AND TEMPERATURE AT THE TIME OF SEALANT INSTALLATION SHALL BE SUCH THAT THE MOVEMENT RANGE (AS SPECIFIED BY THE MANUFACTURER) CAN ACCOMMODATE THE ANTICIPATED MAXIMUM AND MINIMUM JOINT WIDTHS SHOWN IN THE TABLES.
6. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING REINFORCING BARS IN THE DECK/APPROACH SLABS AND HEADERS. IF ANY BAR IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE IT AT NO COST TO THE THRUWAY.
7. DURING OPERATIONS, THE CONTRACTOR SHALL TAKE CARE TO NOT DROP ANY MATERIAL TO THE AREA BELOW THE BRIDGE. PLATFORMS, NETS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ANY MATERIAL FALLS BELOW THE BRIDGE, IT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE THRUWAY. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
8. CONTRACTOR IS ADVISED THAT THE NEW ELASTOMERIC HEADER OVERHANG SHALL NOT EXCEED 1 INCH MAXIMUM.
9. THE CONTRACTOR SHALL NOTE THAT THE CONCRETE FOR THIS CONTRACT IS SUBJECT TO CURRENT NYSDOT STRUCTURAL CONCRETE SPECIFICATIONS, INCLUDING THE USE OF PERFORMANCE ENGINEERED MIXTURES AS APPLICABLE. NOTE THAT CONCRETE ITEM NAMES DO NOT NECESSARILY INCLUDE THE WORDS "PERFORMANCE ENGINEERED MIXTURES" OR "P.E.M.". THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SPECIFICATIONS FOR ITEM NUMBERS USED IN THIS CONTRACT.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
716.853.6500 · www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: BRIDGE JOINT TABLE NORTHBOUND

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: JD-1

BRIDGE JOINT TABLE - SOUTHBOUND

BRIDGE OVER	LOCATION	SIDE OF JOINT	EXPANSION LENGTH (FT)	SKEW (°)	DECK WIDTH BTWN. BARRIERS (PERP.)	EXISTING DIM. H (IN)	EXISTING DIM. J (@ 35° F)• (IN)	PROPOSED DIM. H' (IN)	PROPOSED DIM. J' (@ 68° F) (IN)	LENGTH OF JOINT SEAL PORTION ON DECK (FT)	LENGTH OF JOINT SEAL PORTION ON BARRIER (FT) ••	JOINT REPAIR METHOD (A OR B)
CLINTON ST M.P. 901.56 BIN 5046459	BEG. ABUT.	APPR.	0.00	43.56	48.08	17.50	3.38	18.69	1.000	66.35	1.56	A
		DECK				10.38		11.56				A
	PIER 1	BEG	46.00			12.88	3.38	14.00	1.125	66.35	1.60	A
		END				10.25		11.38				A
	PIER 2	BEG	122.25			8.88	4.00	10.13	1.500	66.35	1.58	A
		END				9.00		10.25				A
	END ABUT.	DECK	53.00			10.50	3.00	11.44	1.125	66.35	1.56	A
		APPR.				18.50		19.44				A
SENECA ST M.P. 902.22 BIN 5011959	BEG. ABUT.	APPR.	67.50	57.72	48.08	14.50	3.13	15.41	1.313	90.04	1.60	A
		DECK				10.75		11.66				A
	PIER 1	BEG	131.09			10.00	4.25	11.22	1.813	90.04	1.58	A
		END				10.38		11.59				A
	PIER 2	BEG	63.33			10.75	3.25	11.75	1.250	90.04	1.65	A
		END				10.00		11.00				A
	END ABUT.	DECK	0.00			11.00	4.00	12.50	1.000	90.04	1.71	A
		APPR.				15.00		16.50				A
MILTON ST M.P. 902.44 BIN 5512209	BEG. ABUT.	APPR.	35.75	14.11	48.08	15.25	2.88	16.13	1.125	49.58	1.58	A
		DECK				11.00		11.88				A
	PIER 1	BEG	55.17			11.00	3.68	12.28	1.125	49.58	1.63	A
		END				10.75		12.03				A
	PIER 2	BEG	34.33			11.50	2.88	12.38	1.125	49.58	1.58	A
		END				10.88		11.75				A
	END ABUT.	DECK	0.00			12.00	2.75	12.88	1.000	49.58	1.65	A
		APPR.				15.00		15.88				A
BABCOCK ST M.P. 902.63 BIN 5512219	BEG. ABUT.	APPR.	0.00	14.11	48.08	15.50	2.75	16.38	1.000	49.58	1.58	A
		DECK				11.25		12.13				A
	PIER 1	BEG	34.50			10.88	3.38	12.00	1.125	49.58	1.58	A
		END				10.00		11.13				A
	PIER 2	BEG	71.67			7.50	2.88	8.31	1.250	49.58	1.63	A
		END				10.88		11.69				A
	END ABUT.	DECK	35.17			11.13	2.88	12.00	1.125	49.58	1.60	A
		APPR.				14.63		15.50				A
PEABODY ST M.P. 902.84 BIN 5512229	BEG. ABUT.	APPR.	0.00	4.47	48.08	13.75	3.38	14.94	1.000	48.23	1.63	A
		DECK				10.75		11.94				B
	PIER 1	BEG	33.17			11.50	3.50	12.69	1.125	48.23	1.77	A
		END				11.38		12.56				A
	PIER 2	BEG	55.60			12.38	2.88	13.25	1.125	48.23	1.65	A
		END				10.00		10.88				A
	END ABUT.	DECK	38.33			11.88	2.00	12.28	1.188	48.23	1.50	A
		APPR.				15.00		15.41				B

• EXISTING JOINT OPENINGS WERE MEASURED AT A TEMPURATURE OF 35° F.

•• PORTION OF BRIDGE JOINT SEAL THAT EXTENDS UP THE VERTCIAL FACE OF THE BARRIER. LENGTH SHOWN IS FOR FASCIA BARRIER, CENTER MEDIAN BARRIER SIMILAR.

BRIDGE JOINT TABLE - SOUTHBOUND (CONT'D)

BRIDGE OVER	LOCATION	SIDE OF JOINT	EXPANSION LENGTH (FT)	SKEW (°)	DECK WIDTH BTWN. BARRIERS (PERP.)	EXISTING DIM. H (IN)	EXISTING DIM. J (@ 35° F)• (IN)	PROPOSED DIM. H' (IN)	PROPOSED DIM. J' (@ 68° F) (IN)	LENGTH OF JOINT SEAL PORTION ON DECK (FT)	LENGTH OF JOINT SEAL PORTION ON BARRIER (FT) ••	JOINT REPAIR METHOD (A OR B)
SMITH ST M.P. 903.14 BIN 5512249	BEG. ABUT.	APPR.	40.00	5.29	52.75	16.50	3.50	17.69	1.125	52.98	1.75	A
		DECK				7.00		8.19				A
	PIER 1	BEG	83.86			6.25	2.50	6.72	1.563	52.98	1.67	A
		END				7.00		7.47				A
	PIER 2	BEG	36.67			6.50	2.13	6.94	1.250	52.98	1.78	A
		END				6.50		6.94				A
	END ABUT.	DECK	0.00			0.00	1.00	0.00	0.000	52.98	0.00	A
		APPR.				0.00		0.00				A
ERIE RR. M.P. 903.32 BIN 5512259	BEG. ABUT.	APPR.	0.00	24.93	48.08	0.00	1.25	0.00	0.000	53.02	0.00	A
		DECK				0.00		0.00				A
	PIER 1	BEG	53.00			7.00	2.88	7.84	1.188	53.02	1.67	A
		END				6.50		7.34				A
	PIER 2	BEG	120.27			6.63	2.25	6.81	1.875	53.02	1.88	A
		END				6.25		6.44				A
	END ABUT.	DECK	0.00			0.00	1.25	0.00	0.000	53.02	0.00	A
		APPR.				0.00		0.00				A
VAN RENSSELAER ST M.P. 903.48 BIN 5512269	BEG. ABUT.	APPR.	0.00	2.45	48.08	0.00	1.00	0.00	0.000	48.13	0.00	A
		DECK				0.00		0.00				A
	PIER 1	BEG	37.67			6.50	2.13	6.97	1.188	48.13	1.54	A
		END				7.13		7.59				A
	PIER 2	BEG	53.55			6.50	2.63	7.22	1.188	48.13	1.71	A
		END				6.63		7.34				A
	END ABUT.	DECK	39.75			6.38	3.75	7.69	1.125	48.13	1.70	A
		APPR.				16.75		18.06				B
CSX RR M.P. 903.66 BIN 5512279	BEG. ABUT.	APPR.	0.00	26.68	48.08	0.00	1.13	0.00	0.000	53.81	0.00	A
		DECK				0.00		0.00				A
	PIER 1	BEG	117.76			6.25	2.38	6.53	1.813	53.81	1.77	A
		END				6.00		6.28				A
	PIER 2	BEG	86.41			6.25	2.63	6.84	1.438	53.81	1.79	A
		END				6.63		7.22				A
	PIER 3	BEG	50.97			5.13	3.13	6.06	1.250	53.81	1.63	A
		END				6.63		7.56				A
	END ABUT.	DECK	0.00			0.00	1.25	0.00	0.000	53.81	0.00	A
		APPR.				0.00		0.00				A
HAMBURG ST M.P. 903.79 BIN 5512289	BEG. ABUT.	APPR.	42.67	0.21	48.08	17.25	3.50	18.44	1.125	48.08	1.67	A
		DECK				5.88		7.06				A
	PIER 1	BEG	69.50			6.50	2.75	7.22	1.313	48.08	1.67	A
		END				7.00		7.72				A
	PIER 2	BEG	40.67			5.88	2.75	6.69	1.125	48.08	1.50	A
		END				6.63		7.44				A
	END ABUT.	DECK	0.00			0.00	1.63	0.00	0.000	48.08	1.42	A
		APPR.				0.00		0.00				A

• EXISTING JOINT OPENINGS WERE MEASURED AT A TEMPURATURE OF 35° F.

•• PORTION OF BRIDGE JOINT SEAL THAT EXTENDS UP THE VERTCIAL FACE OF THE BARRIER. LENGTH SHOWN IS FOR FASCIA BARRIER, CENTER MEDIAN BARRIER SIMILAR.

NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL FIELD VERIFY EXISTING JOINT OPENINGS WITH PRIMARY MEMBER TEMPERATURE TAKEN INTO ACCOUNT.
3. SEE DWG. JD-3 TO JD-7 FOR EXISTING & PROPOSED JOINT DETAILS.
4. THE CONTRACTOR SHALL VERIFY THE WIDTH OF EXISTING JOINT IN THE FIELD. THE WIDTH MAY VARY FROM JOINT TO JOINT, AND ALSO MAY VARY ACROSS THE ROADWAY'S WIDTH. NO EXTRA COMPENSATION SHALL BE PAID DUE TO THESE VARIATIONS IN JOINT WIDTH. THE CONTRACTOR SHALL RECORD THE TEMPERATURE AT THE TIME OF JOINT WIDTH MEASUREMENT.
5. THE JOINT WIDTH AND TEMPERATURE AT THE TIME OF SEALANT INSTALLATION SHALL BE SUCH THAT THE MOVEMENT RANGE (AS SPECIFIED BY THE MANUFACTURER) CAN ACCOMMODATE THE ANTICIPATED MAXIMUM AND MINIMUM JOINT WIDTHS SHOWN IN THE TABLES.
6. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING REINFORCING BARS IN THE DECK/APPROACH SLABS AND HEADERS. IF ANY BAR IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE IT AT NO COST TO THE THRUWAY.
7. DURING OPERATIONS, THE CONTRACTOR SHALL TAKE CARE TO NOT DROP ANY MATERIAL TO THE AREA BELOW THE BRIDGE. PLATFORMS, NETS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ANY MATERIAL FALLS BELOW THE BRIDGE, IT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE THRUWAY. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
8. CONTRACTOR IS ADVISED THAT THE NEW ELASTOMERIC HEADER OVERHANG SHALL NOT EXCEED 1 INCH MAXIMUM.
9. THE CONTRACTOR SHALL NOTE THAT THE CONCRETE FOR THIS CONTRACT IS SUBJECT TO CURRENT NYSDOT STRUCTURAL CONCRETE SPECIFICATIONS, INCLUDING THE USE OF PERFORMANCE ENGINEERED MIXTURES AS APPLICABLE. NOTE THAT CONCRETE ITEM NAMES DO NOT NECESSARILY INCLUDE THE WORDS "PERFORMANCE ENGINEERED MIXTURES" OR "P.E.M.". THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SPECIFICATIONS FOR ITEM NUMBERS USED IN THIS CONTRACT.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: ERIC L. ALEXOPOULOS 077797 LICENSED PROFESSIONAL ENGINEER STATE OF NEW YORK EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

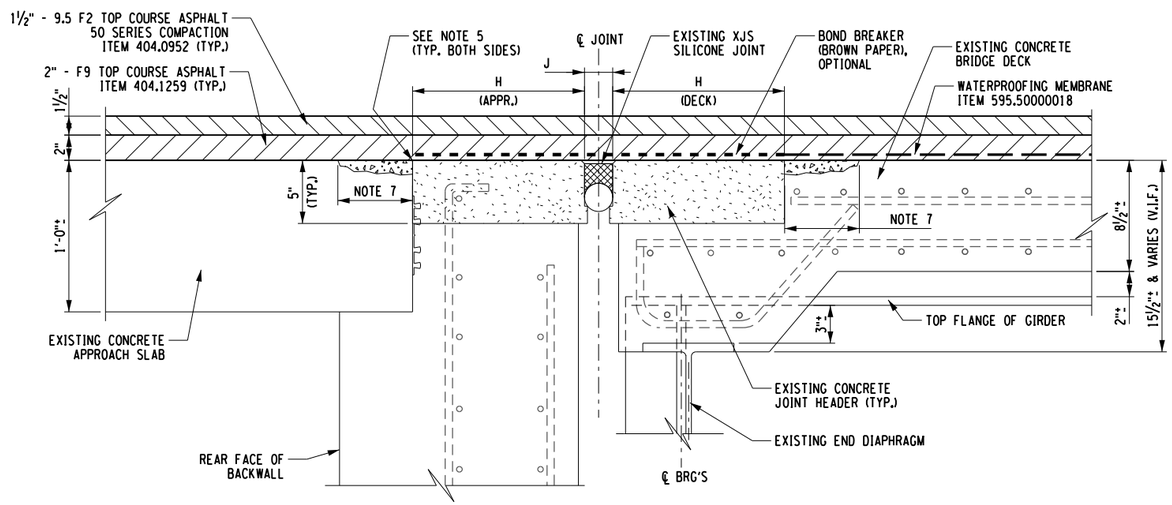
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 • www.chacompanies.com

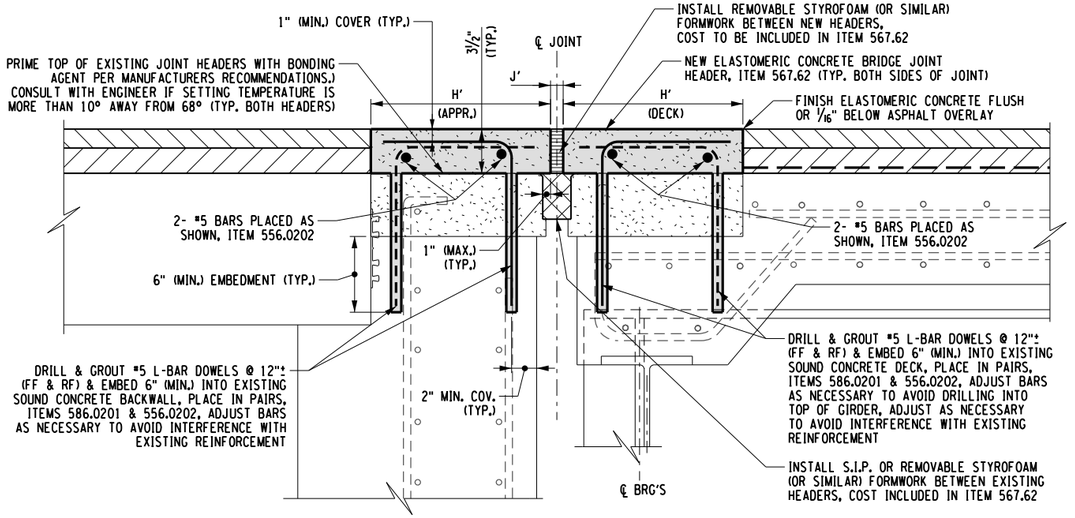
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	BRIDGE JOINT TABLE SOUTHBOUND
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	JD-2

DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

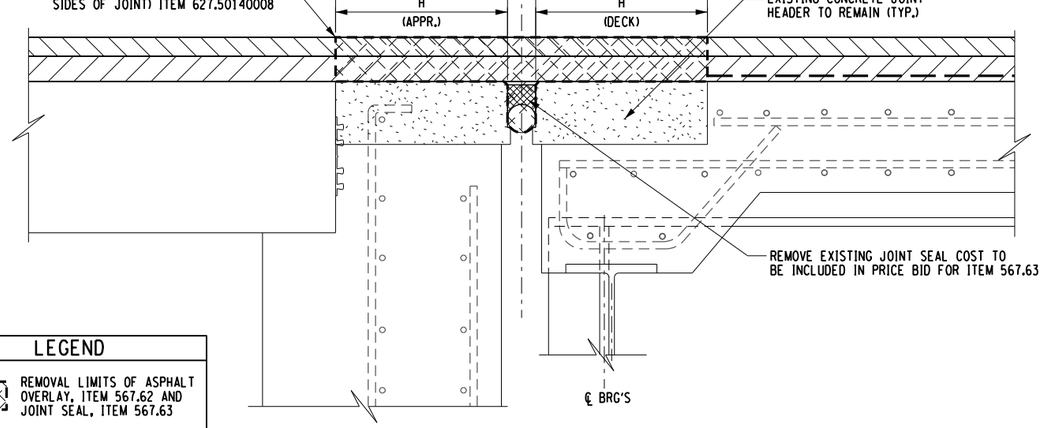
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH



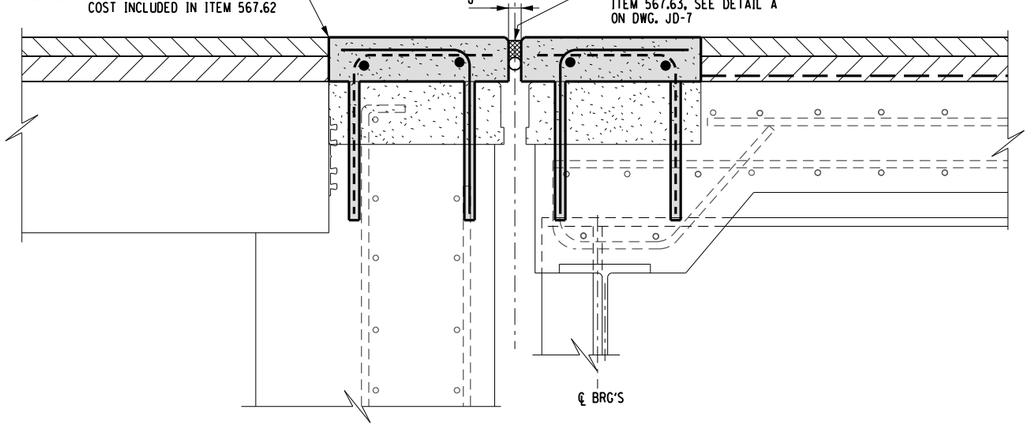
PHASE I - PLACE ASPHALT OVERLAY OVER EXISTING JOINT
N.T.S.



PHASE III - DRILL & GROUT DOWELS, CONSTRUCT ELASTOMERIC CONCRETE HEADERS
N.T.S.



PHASE II - SAWCUT & REMOVE PORTION OF ASPHALT OVERLAY
N.T.S.



PHASE IV - REMOVE TEMPORARY FORMWORK & INSTALL JOINT SEAL
N.T.S.

LEGEND

- REMOVAL LIMITS OF ASPHALT OVERLAY, ITEM 567.62 AND JOINT SEAL, ITEM 567.63
- NEW ELASTOMERIC CONCRETE BRIDGE JOINT HEADER, ITEM 567.62

NOTES:

1. FOR "J" DIMENSIONS, AND "H" VALUES, SEE BRIDGE JOINT TABLES ON DWG'S JD-1 AND JD-2.
2. THE JOINT HEADER REPAIR DETAILS SHOWN ON THIS DRAWING ARE BASED ON THE ASSUMPTION THAT THE EXISTING CONCRETE JOINT HEADERS ARE IN SATISFACTORY AND SOUND CONDITION AND FREE OF LOOSE OR DETERIORATED CONCRETE, AS DETERMINED BY THE ENGINEER IN CHARGE.
3. IF EXISTING JOINT HEADERS ARE IN POOR CONDITION (AS DETERMINED BY E.I.C.) AND CONSTRUCTING NEW HEADERS ON TOP OF THE EXISTING HEADERS IS NOT FEASABLE, USE JOINT REPLACEMENT METHOD B.
4. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL INSPECT ALL JOINT HEADERS AND CONSULT WITH THE E.I.C. TO DETERMINE WHICH JOINT REPLACEMENT METHOD WILL BE USED AT EACH BRIDGE LOCATION.
5. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL FIELD MEASURE THE LIMITS OF THE EXISTING JOINT HEADERS, RECORD MEASUREMENTS AND/OR MAKE TEMPORARY REFERENCE MARKS ON THE EXISTING CONCRETE BARRIERS IN ORDER TO EASILY DETERMINE THE LOCATIONS OF THE PAVEMENT SAWCUT LIMITS DURING PHASE II.
6. DIMENSIONS SHOWN ON THESE DETAILS PERTAINING TO THE EXISTING BRIDGE GEOMETRY AS WELL AS PROPOSED REPAIRS ARE APPROXIMATE AND BASED ORIGINAL DESIGN PLANS & VARIOUS REHABILITATION PROJECTS INFO. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AT EACH BRIDGE LOCATION AND ADJUSTING QUANTITIES AS NECESSARY.
7. BRIDGE DECK AND APPROACH SLAB AREAS ADJACENT TO THE JOINT HEADERS THAT CONTAIN LOOSE, DETERIORATED OR SPALLED CONCRETE (AS DETERMINED BY THE E.I.C.) WILL REQUIRE PARTIAL-DEPTH REPAIRS. SEE DWG. BR-2 FOR TYPICAL REPAIR DETAILS.
8. REFER TO DWG. JD-1 FOR ADDITIONAL NOTES.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

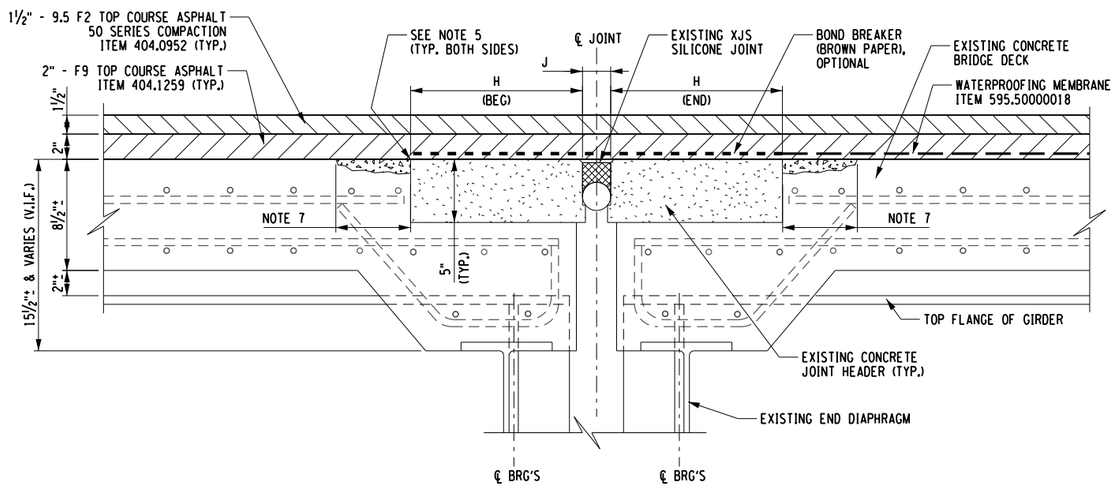
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.4000 • www.chacompanies.com

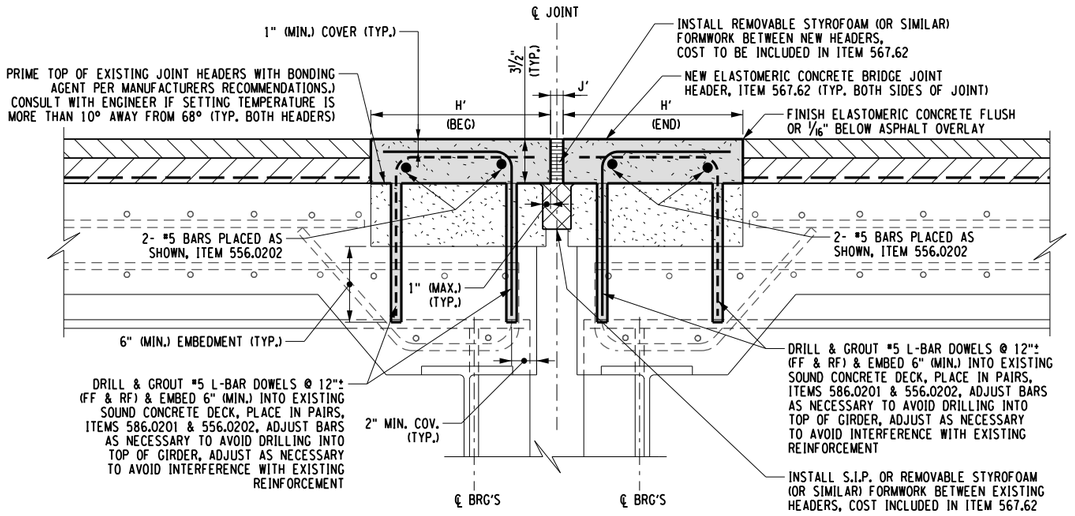
JOINT REPLACEMENT - METHOD A

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: BRIDGE JOINT REPAIR DETAILS (AT ABUTMENTS) METHOD A	DRAWING NUMBER: JD-3

DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
DESIGN SUPERVISOR: D.MARSH

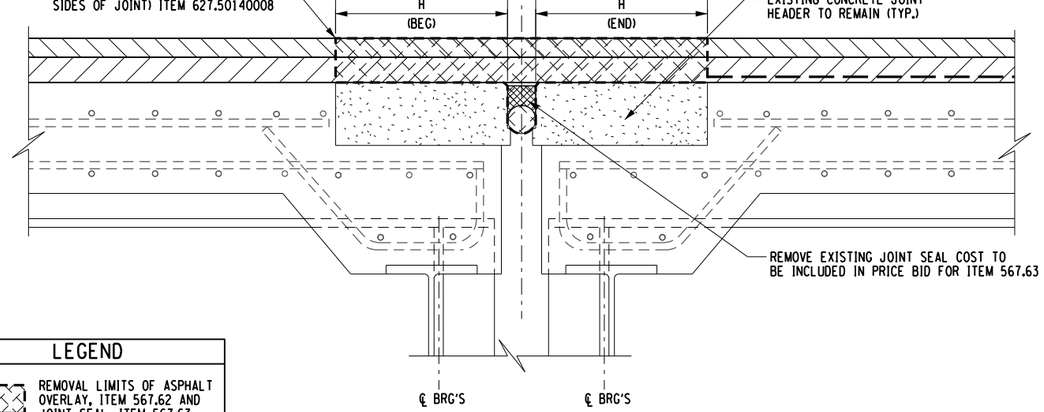


PHASE I - PLACE ASPHALT OVERLAY OVER EXISTING JOINT
N.T.S.

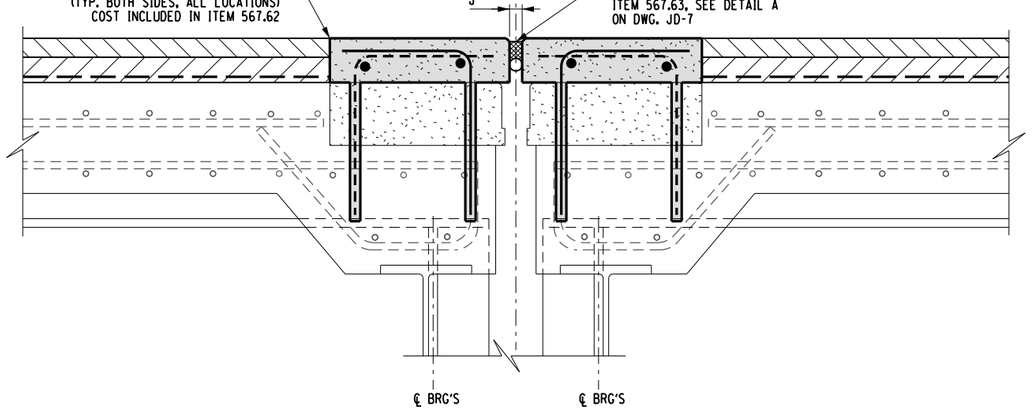


PHASE III - DRILL & GROUT DOWELS, CONSTRUCT ELASTOMERIC CONCRETE HEADERS
N.T.S.

NOTE: DETAILS SHOWN ON THIS DRAWING ARE TYPICAL FOR LOCATIONS WITH JOINT HEADER WIDTHS THAT ARE GREATER THAN 11"



PHASE II - SAWCUT & REMOVE PORTION OF ASPHALT OVERLAY
N.T.S.



PHASE IV - REMOVE TEMPORARY FORMWORK & INSTALL JOINT SEAL
N.T.S.

LEGEND
- REMOVAL LIMITS OF ASPHALT OVERLAY, ITEM 567.62 AND JOINT SEAL, ITEM 567.63
- NEW ELASTOMERIC CONCRETE BRIDGE JOINT HEADER, ITEM 567.62

NOTES:
1. FOR "J" DIMENSIONS, AND "H" VALUES, SEE BRIDGE JOINT TABLES ON DWG'S JD-1 AND JD-2.
2. THE JOINT HEADER REPAIR DETAILS SHOWN ON THIS DRAWING ARE BASED ON THE ASSUMPTION THAT THE EXISTING CONCRETE JOINT HEADERS ARE IN SATISFACTORY AND SOUND CONDITION AND FREE OF LOOSE OR DETERIORATED CONCRETE, AS DETERMINED BY THE ENGINEER IN CHARGE.
3. IF EXISTING JOINT HEADERS ARE IN POOR CONDITION (AS DETERMINED BY E.I.C.) AND CONSTRUCTING NEW HEADERS ON TOP OF THE EXISTING HEADERS IS NOT FEASABLE, USE JOINT REPLACEMENT METHOD B.
4. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL INSPECT ALL JOINT HEADERS AND CONSULT WITH THE E.I.C. TO DETERMINE WHICH JOINT REPLACEMENT METHOD WILL BE USED AT EACH BRIDGE LOCATION.
5. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL FIELD MEASURE THE LIMITS OF THE EXISTING JOINT HEADERS, RECORD MEASUREMENTS AND/OR MAKE TEMPORARY REFERENCE MARKS ON THE EXISTING CONCRETE BARRIERS IN ORDER TO EASILY DETERMINE THE LOCATIONS OF THE PAVEMENT SAWCUT LIMITS DURING PHASE II.
6. DIMENSIONS SHOWN ON THESE DETAILS PERTAINING TO THE EXISTING BRIDGE GEOMETRY AS WELL AS PROPOSED REPAIRS ARE APPROXIMATE AND BASED ORIGINAL DESIGN PLANS & VARIOUS REHABILITATION PROJECTS INFO. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AT EACH BRIDGE LOCATION AND ADJUSTING QUANTITIES AS NECESSARY.
7. BRIDGE DECK AND APPROACH SLAB AREAS ADJACENT TO THE JOINT HEADERS THAT CONTAIN LOOSE, DETERIORATED OR SPALLED CONCRETE (AS DETERMINED BY THE E.I.C.) WILL REQUIRE PARTIAL-DEPTH REPAIRS. SEE DWG. BR-2 FOR TYPICAL REPAIR DETAILS.
8. REFER TO DWG. JD-1 FOR ADDITIONAL NOTES.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: ERIC L. ALEXOPOULOS LICENSED PROFESSIONAL ENGINEER 077797 STATE OF NEW YORK EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

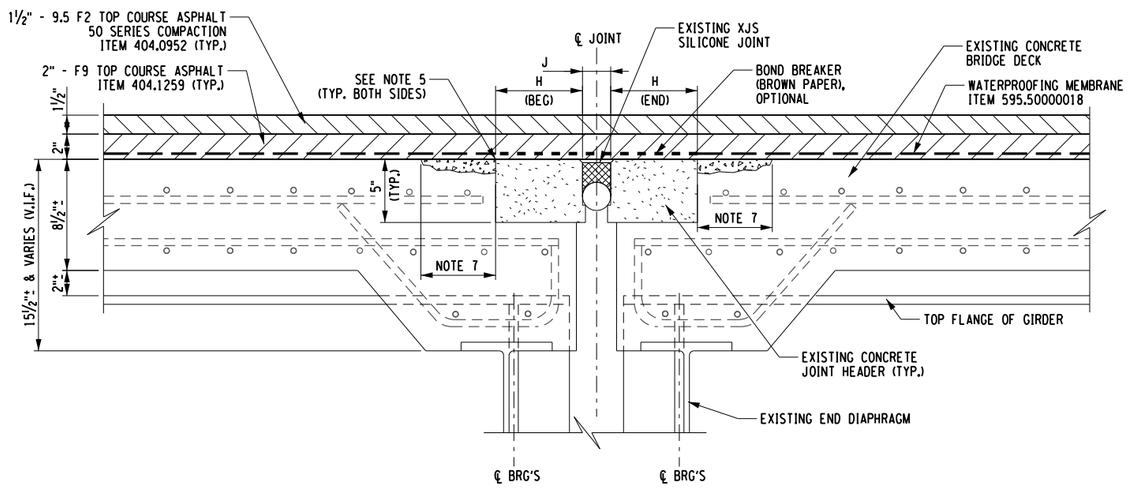
NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

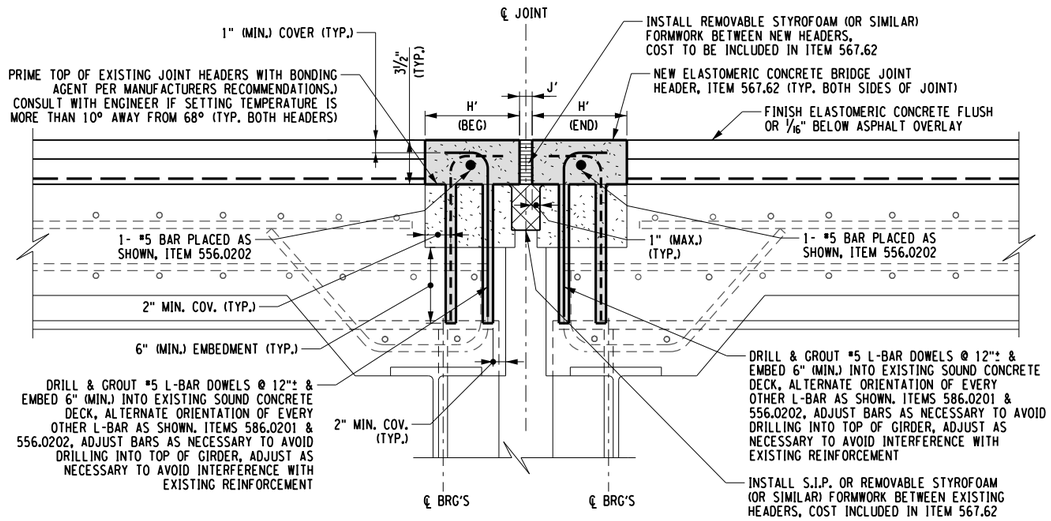
CHA
200 Main Street
Buffalo, NY 14202-3722
518.453.4500 - www.chacbuffalo.com

JOINT REPLACEMENT - METHOD A

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: BRIDGE JOINT REPAIR DETAILS (AT PIERS) METHOD A	DRAWING NUMBER: JD-4

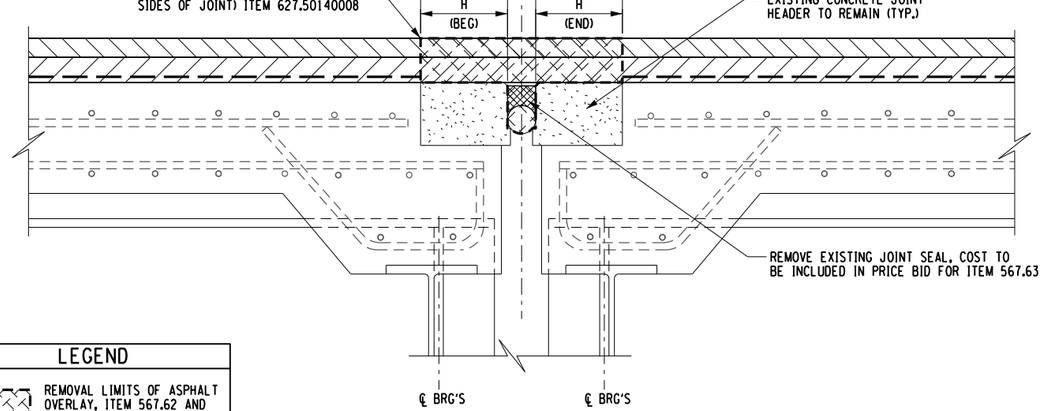


PHASE I - PLACE ASPHALT OVERLAY OVER EXISTING JOINT
N.T.S.

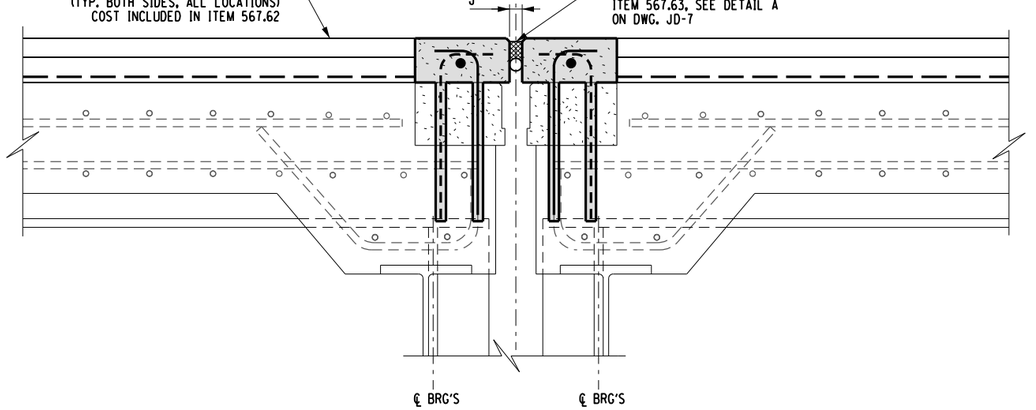


PHASE III - DRILL & GROUT DOWELS, CONSTRUCT ELASTOMERIC CONCRETE HEADERS
N.T.S.

NOTE: DETAILS SHOWN ON THIS DRAWING ARE TYPICAL FOR LOCATIONS WITH JOINT HEADER WIDTHS THAT ARE LESS THAN 11"



PHASE II - SAWCUT & REMOVE PORTION OF ASPHALT OVERLAY
N.T.S.



PHASE IV - REMOVE TEMPORARY FORMWORK & INSTALL JOINT SEAL
N.T.S.

LEGEND
- REMOVAL LIMITS OF ASPHALT OVERLAY, ITEM 567.62 AND JOINT SEAL, ITEM 567.63
- NEW ELASTOMERIC CONCRETE BRIDGE JOINT HEADER, ITEM 567.62

NOTES:
1. FOR "J" DIMENSIONS, AND "H" VALUES, SEE BRIDGE JOINT TABLES ON DWG'S JD-1 AND JD-2.
2. THE JOINT HEADER REPAIR DETAILS SHOWN ON THIS DRAWING ARE BASED ON THE ASSUMPTION THAT THE EXISTING CONCRETE JOINT HEADERS ARE IN SATISFACTORY AND SOUND CONDITION AND FREE OF LOOSE OR DETERIORATED CONCRETE, AS DETERMINED BY THE ENGINEER IN CHARGE.
3. IF EXISTING JOINT HEADERS ARE IN POOR CONDITION (AS DETERMINED BY E.I.C.) AND CONSTRUCTING NEW HEADERS ON TOP OF THE EXISTING HEADERS IS NOT FEASABLE, USE JOINT REPLACEMENT METHOD B.
4. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL INSPECT ALL JOINT HEADERS AND CONSULT WITH THE E.I.C. TO DETERMINE WHICH JOINT REPLACEMENT METHOD WILL BE USED AT EACH BRIDGE LOCATION.
5. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL FIELD MEASURE THE LIMITS OF THE EXISTING JOINT HEADERS, RECORD MEASUREMENTS AND/OR MAKE TEMPORARY REFERENCE MARKS ON THE EXISTING CONCRETE BARRIERS IN ORDER TO EASILY DETERMINE THE LOCATIONS OF THE PAVEMENT SAWCUT LIMITS DURING PHASE II.
6. DIMENSIONS SHOWN ON THESE DETAILS PERTAINING TO THE EXISTING BRIDGE GEOMETRY AS WELL AS PROPOSED REPAIRS ARE APPROXIMATE AND BASED ORIGINAL DESIGN PLANS & VARIOUS REHABILITATION PROJECTS INFO. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AT EACH BRIDGE LOCATION AND ADJUSTING QUANTITIES AS NECESSARY.
7. BRIDGE DECK AND APPROACH SLAB AREAS ADJACENT TO THE JOINT HEADERS THAT CONTAIN LOOSE, DETERIORATED OR SPALLED CONCRETE (AS DETERMINED BY THE E.I.C.) WILL REQUIRE PARTIAL-DEPTH REPAIRS. SEE DWG. BR-2 FOR TYPICAL REPAIR DETAILS.
8. REFER TO DWG. JD-1 FOR ADDITIONAL NOTES.

DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
DESIGN SUPERVISOR: D.MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

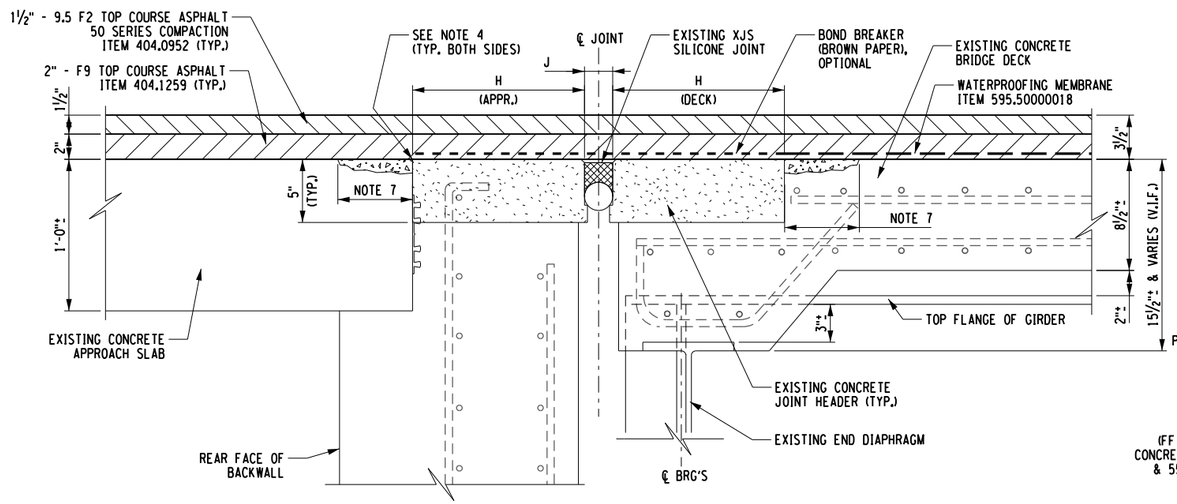
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

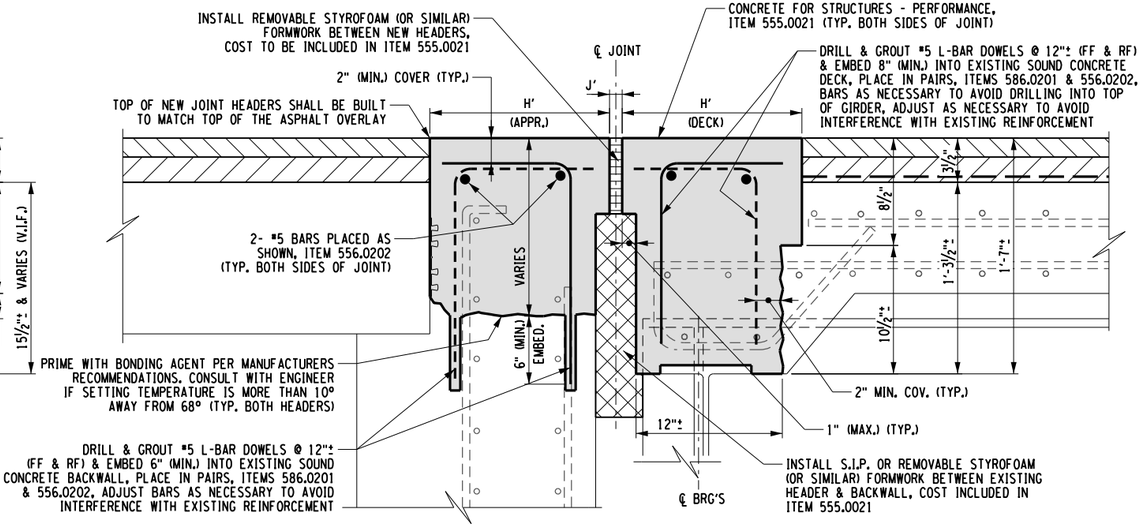
Drawing Copyright © 2025
CHA
50 Main Street, Suite 1100
Buffalo, NY 14202-3722
716.853.1616 · www.chacompanies.com

JOINT REPLACEMENT - METHOD A

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: BRIDGE JOINT REPAIR DETAILS (AT PIERS) METHOD A	DRAWING NUMBER: JD-5

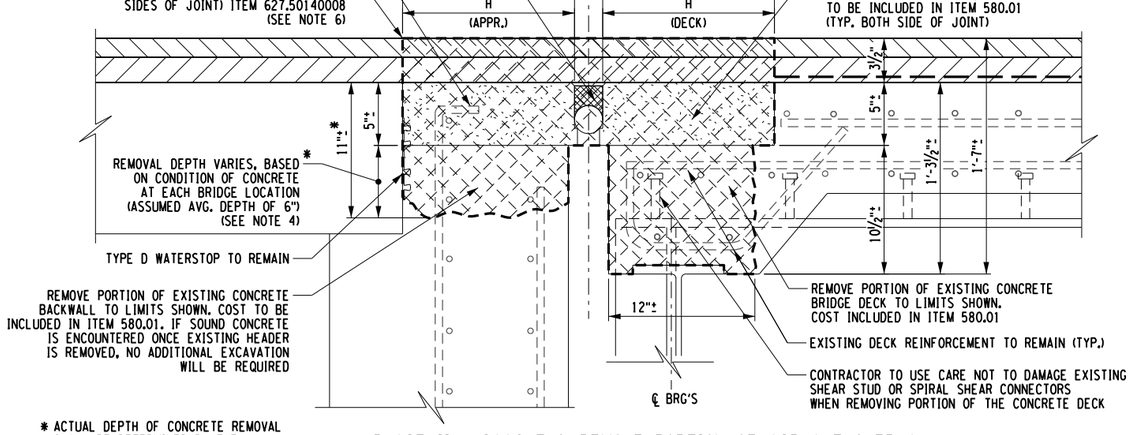


PHASE I - PLACE ASPHALT OVERLAY OVER EXISTING JOINT
N.T.S.



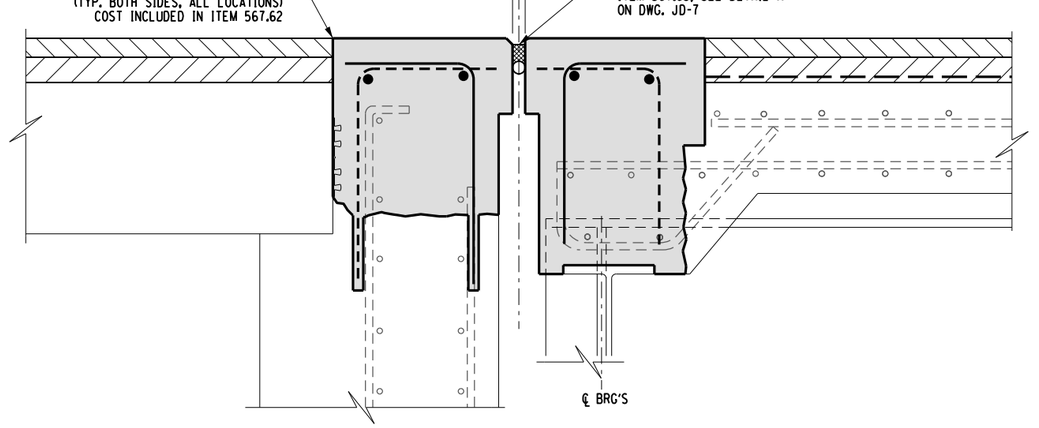
PHASE III - DRILL & GROUT DOWELS, CONSTRUCT H.E.S. CONCRETE HEADERS
N.T.S.

ABUTMENT DETAILS SHOWN
PIER DETAILS SIMILAR



* ACTUAL DEPTH OF CONCRETE REMOVAL SHALL BE DETERMINED BY THE ENGINEER-IN-CHARGE (E.I.C.)

PHASE II - SAWCUT & REMOVE PORTION OF ASPHALT OVERLAY, REMOVE EXISTING JOINT HEADERS, BACKWALL & DECK CONCRETE
N.T.S.



PHASE IV - REMOVE TEMPORARY FORMWORK & INSTALL JOINT SEAL
N.T.S.

NOTES:

1. FOR "J" DIMENSIONS, AND "H" VALUES, SEE BRIDGE JOINT TABLES ON DWG'S JD-1 AND JD-2.
2. THE JOINT HEADER REPAIR DETAILS SHOWN ON THIS DRAWING ARE BASED ON THE ASSUMPTION THAT THE EXISTING CONCRETE JOINT HEADERS ARE IN POOR & UNSATISFACTORY CONDITION (AS DETERMINED BY E.I.C.) AND CONSTRUCTING NEW HEADERS ON TOP OF THE EXISTING HEADERS IS NOT FEASABLE.
3. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL INSPECT ALL JOINT HEADERS AND CONSULT WITH THE E.I.C. TO DETERMINE WHICH JOINT REPLACEMENT METHOD WILL BE USED AT EACH BRIDGE LOCATION.
4. PRIOR TO PLACING THE NEW ASPHALT OVERLAY, THE CONTRACTOR SHALL FIELD MEASURE THE LIMITS OF THE EXISTING JOINT HEADERS, RECORD MEASUREMENTS AND/OR MAKE TEMPORARY REFERENCE MARKS ON THE EXISTING CONCRETE BARRIERS IN ORDER TO EASILY DETERMINE THE LOCATIONS OF THE PAVEMENT SAWCUT LIMITS DURING PHASE II.
5. DIMENSIONS SHOWN ON THESE DETAILS PERTAINING TO THE EXISTING BRIDGE GEOMETRY AS WELL AS PROPOSED REPAIRS ARE APPROXIMATE AND BASED ORIGINAL PLANS & VARIOUS REHABILITATION PROJECTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AT EACH BRIDGE LOCATION AND ADJUSTING QUANTITIES AS NECESSARY.
6. BRIDGE DECK AND APPROACH SLAB AREAS ADJACENT TO THE JOINT HEADERS THAT CONTAIN LOOSE, DETERIORATED OR SPALLED CONCRETE (AS DETERMINED BY THE E.I.C.) WILL REQUIRE PARTIAL-DEPTH REPAIRS. SEE DWG. BR-2 FOR TYPICAL REPAIR DETAILS.
7. REFER TO DWG. JD-1 FOR ADDITIONAL NOTES.

LEGEND

- REMOVAL LIMITS OF ASPHALT OVERLAY, ITEM 555.0021, EXISTING JOINT SEAL, ITEM 567.63, EXISTING ELASTOMERIC CONCRETE HEADERS, BRIDGE DECK & BACKWALL CONCRETE, ITEM 580.01
- CONCRETE FOR STRUCTURES - PERFORMANCE ITEM 555.0021

DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
DESIGN SUPERVISOR: D.MARSH

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: ERIC L. ALEXOPOULOS LICENSED PROFESSIONAL ENGINEER 077797 STATE OF NEW YORK EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

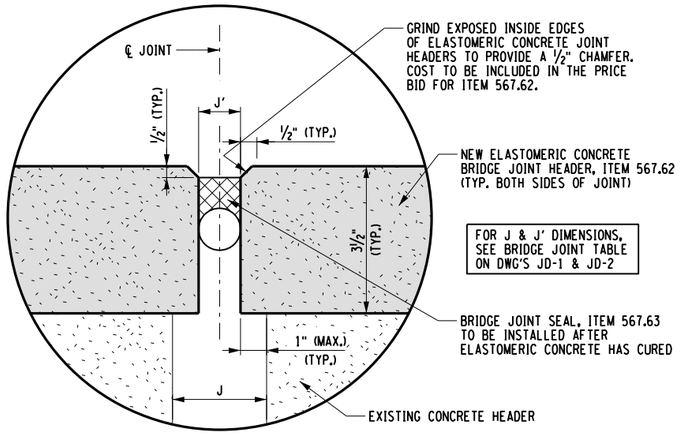
Drawing Copyright © 2025

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
716.853.3500 - www.chacbuffalo.com

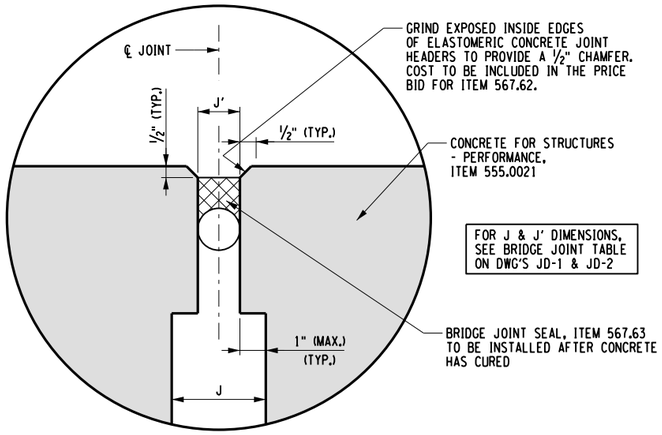
JOINT REPLACEMENT - METHOD B

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: BRIDGE JOINT REPAIR DETAILS (AT ABUTMENTS) METHOD B	DRAWING NUMBER: JD-6

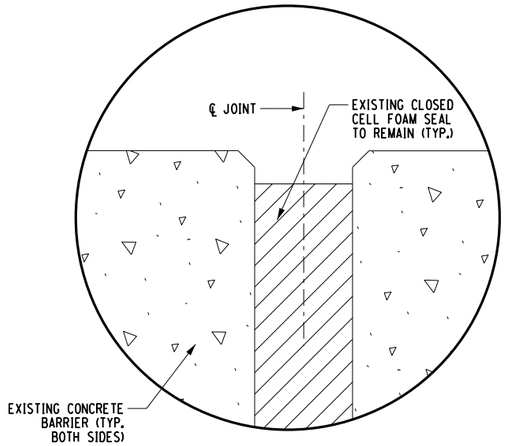
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH



SECTION A-A
NEW JOINT SEAL AT HEADERS
N.T.S.

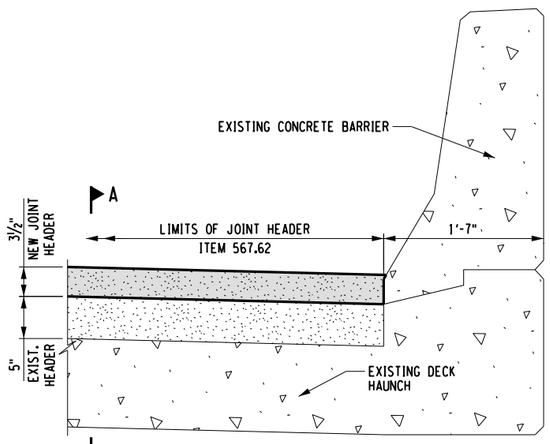


SECTION B-B
NEW JOINT SEAL AT HEADERS
N.T.S.

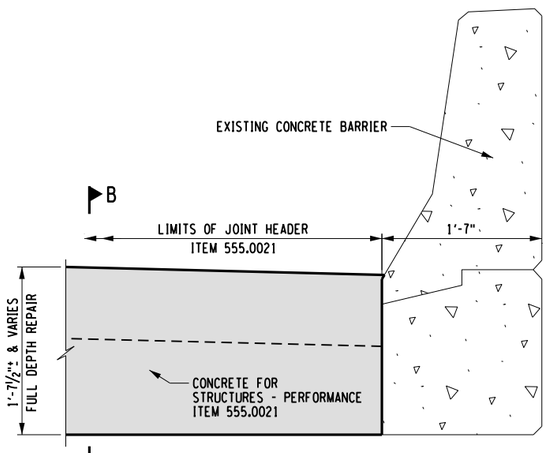


SECTION C-C
EXISTING JOINT SEAL AT BARRIER
N.T.S.

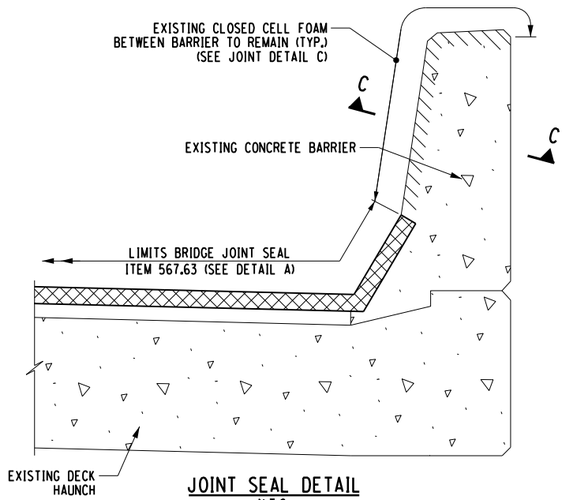
NOTES:
1. A BRIDGE JOINT SEAL WITH FOAM-SUPPORTED SILICONE IN ACCORDANCE WITH MATERIAL SPECIFICATION 705-23 FROM THE DEPARTMENTS APPROVED LIST SHALL BE USED FOR ITEM 567.63 - BRIDGE JOINT SEAL.



JOINT HEADER DETAIL - METHOD A
N.T.S.

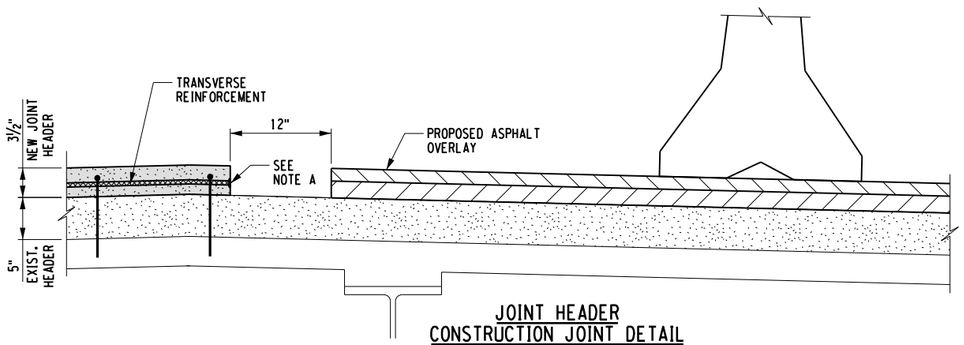


JOINT HEADER DETAIL - METHOD B
N.T.S.



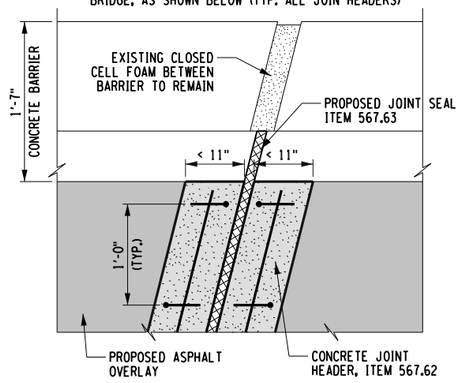
JOINT SEAL DETAIL
N.T.S.

NOTE 'A'
MECHANICAL CONNECTORS SHALL BE PROVIDED AT ALL STAGED CONSTRUCTION JOINTS IN THE ENDS OF JOINT HEADERS. THE MECHANICAL CONNECTORS PROVIDED SHALL BE ON THE NYSDOT APPROVED LIST FOR MECHANICAL CONNECTORS FOR REINFORCING BAR SPLICES (709-10). IN ADDITION, MECHANICAL CONNECTORS SHALL BE ABLE TO DEVELOP AT A MINIMUM OF 125% OF THE YIELD STRENGTH OF THE GRADE 60 REINFORCEMENT. THE COST OF THE MECHANICAL CONNECTORS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES. NO DIRECT PAYMENT WILL BE MADE. (TYP. ALL JOINTS AND ALL BRIDGES).

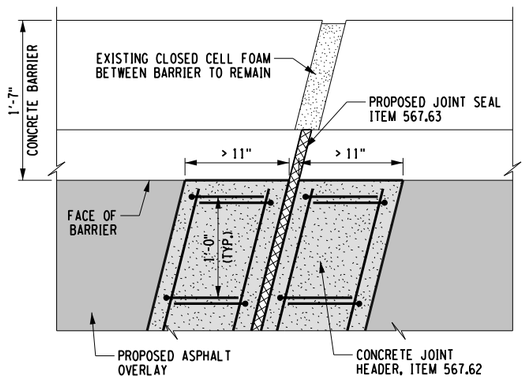


JOINT HEADER
CONSTRUCTION JOINT DETAIL
N.T.S.

NOTE: THE HORIZONTAL LEG OF THE L-BAR DOWELS SHALL BE PLACED PARALLEL WITH THE ℄ OF THE BRIDGE, AS SHOWN BELOW (TYP. ALL JOIN HEADERS)



JOINT HEADER WIDTH'S LESS THAN 11"



JOINT HEADER WIDTH'S GREATER THAN 11"

TYPICAL PLAN AT CONCRETE BARRIER
N.T.S.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2020

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbe.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION	CONTRACT NUMBER: TAN 26-14
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2	DATE: DEC. 2025
TITLE OF DRAWING: MISC. BRIDGE JOINT DETAILS	DRAWING NUMBER: JD-7

DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGNED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH

SLAB RECONSTRUCTION CONCRETE ITEM SERIALIZATION

BRIDGE OVER	BIN	MILEPOST	ITEM NUMBER
CLINTON ST	5046459	M.P. 901.56	584.032001
SENECA ST	5011959	M.P. 902.22	584.032002
MILTON ST	5512209	M.P. 902.44	584.032003
BABCOCK ST	5512219	M.P. 902.63	584.032004
PEABODY ST	5512229	M.P. 902.84	584.032005
SMITH ST	5512249	M.P. 903.14	584.032006
ERIE RR.	5512259	M.P. 903.32	584.032007
VAN RENSSELAER ST	5512269	M.P. 903.48	584.032008
CSX RR	5512279	M.P. 903.66	584.032009
HAMBURG ST	5512289	M.P. 903.79	584.032010
BAILEY AVE	5512199	M.P. 901.88	584.032011
SELKIRK ST	5512239	M.P. 902.99	584.032012

BRIDGE OVER	LOCATION	REINFORCING BAR EXPOSURE ITEM 579.02 NB AREA (SF)	SB AREA (SF)	TOTAL (SF)	SLAB RECONSTRUCTION CONCRETE ITEM 584.0320nn • NB AREA (SY)	SB AREA (SY)	TOTAL (SY)
CLINTON ST M.P. 901.56 BIN 5046459	BEGIN APPROACH SLAB	324	324		36	36	
	SPAN 1 DECK	234	234		26	26	
	SPAN 2 DECK	645	645	3,593	72	72	399
	SPAN 3 DECK	268	268		30	30	
	END APPROACH SLAB	325	325		36	36	
SENECA ST M.P. 902.22 BIN 5011959	BEGIN APPROACH SLAB	347	347		39	39	
	SPAN 1 DECK	321	321		36	36	
	SPAN 2 DECK	646	646	4,008	72	72	445
	SPAN 3 DECK	342	342		38	38	
	END APPROACH SLAB	348	348		39	39	
MILTON ST M.P. 902.44 BIN 5512209	BEGIN APPROACH SLAB	359	260		40	29	
	SPAN 1 DECK	210	191		23	21	
	SPAN 2 DECK	299	272	2,635	33	30	293
	SPAN 3 DECK	199	181		22	20	
	END APPROACH SLAB	385	279		43	31	
BABCOCK ST M.P. 902.63 BIN 5512219	BEGIN APPROACH SLAB	279	279		31	31	
	SPAN 1 DECK	184	184		20	20	
	SPAN 2 DECK	353	353	2,535	39	39	282
	SPAN 3 DECK	188	188		21	21	
	END APPROACH SLAB	263	263		29	29	
PEABODY ST M.P. 902.84 BIN 5512229	BEGIN APPROACH SLAB	260	260		29	29	
	SPAN 1 DECK	168	168		19	19	
	SPAN 2 DECK	271	271	2,296	30	30	255
	SPAN 3 DECK	194	194		22	22	
	END APPROACH SLAB	255	255		28	28	
SMITH ST M.P. 903.14 BIN 5512249	BEGIN APPROACH SLAB	256	256		28	28	
	SPAN 1 DECK	245	245		27	27	
	SPAN 2 DECK	475	475	2,894	53	53	322
	SPAN 3 DECK	215	215		24	24	
	END APPROACH SLAB	255	255		28	28	
ERIE RR. M.P. 903.32 BIN 5512259	BEGIN APPROACH SLAB	390	277		43	31	
	SPAN 1 DECK	326	297		36	33	
	SPAN 2 DECK	399	364	3,328	44	40	370
	SPAN 3 DECK	324	295		36	33	
	END APPROACH SLAB	384	272		43	30	
VAN RENSSELAER ST M.P. 903.48 BIN 5512269	BEGIN APPROACH SLAB	226	226		25	25	
	SPAN 1 DECK	248	248		28	28	
	SPAN 2 DECK	271	271	2,383	30	30	265
	SPAN 3 DECK	210	210		23	23	
	END APPROACH SLAB	237	237		26	26	
CSX RR M.P. 903.66 BIN 5512279	BEGIN APPROACH SLAB	195	195		22	22	
	SPAN 1 DECK	318	318		35	35	
	SPAN 2 DECK	304	304	3,551	34	34	395
	SPAN 3 DECK	464	464		52	52	
	SPAN 4 DECK	299	299		33	33	
	END APPROACH SLAB	195	195		22	22	
HAMBURG ST M.P. 903.79 BIN 5512289	BEGIN APPROACH SLAB	269	202		30	22	
	SPAN 1 DECK	246	224		27	25	
	SPAN 2 DECK	385	351	2,576	43	39	286
	SPAN 3 DECK	237	216		26	24	
	END APPROACH SLAB	255	191		28	21	
• FOR ITEM SERIALIZATION, SEE TABLE THIS SHEET			SUB-TOTAL	29,798		SUB-TOTAL	3,311

BRIDGE OVER	LOCATION	REINFORCING BAR EXPOSURE ITEM 579.02 NB AREA (SF)	SB AREA (SF)	TOTAL (SF)	SLAB RECONSTRUCTION CONCRETE ITEM 584.0320nn • NB AREA (SY)	SB AREA (SY)	TOTAL (SY)
BAILEY AVE & NS RR M.P. 901.88 BIN 5512199	BEGIN APPROACH SLAB	217	217		24	24	
	SPAN 1 DECK	310	271		34	30	
	SPAN 2 DECK	371	331		41	37	
	SPAN 3 DECK	264	275		29	31	
	SPAN 4 DECK	307	280		34	31	
	SPAN 5 DECK	302	0		34	0	
	SPAN 6 DECK	247	258		27	29	
	SPAN 7 DECK	503	462	8,637	56	51	960
	SPAN 8 DECK	0	291		0	32	
	SPAN 9 DECK	253	295		28	33	
	SPAN 10 DECK	0	291		0	32	
	SPAN 11 DECK	371	297		41	33	
	SPAN 12 DECK	0	489		0	54	
	SPAN 13 DECK	880	241		98	27	
	END APPROACH SLAB	308	305		34	34	
SELKIRK ST & RR YARD M.P. 902.99 BIN 5512239	BEGIN APPROACH SLAB	169	169		19	19	
	SPAN 1 DECK	200	219		22	24	
	SPAN 2 DECK	372	407		41	45	
	SPAN 3 DECK	385	422		43	47	
	SPAN 4 DECK	389	426	5,092	43	47	566
	SPAN 5 DECK	333	365		37	41	
	SPAN 6 DECK	269	242		30	27	
	SPAN 7 DECK	200	219		22	24	
	END APPROACH SLAB	153	153		17	17	
• FOR ITEM SERIALIZATION, SEE TABLE THIS SHEET			SUB-TOTAL	13,729		SUB-TOTAL	1,525
			10% CONTINGENCY	4,353		10% CONTINGENCY	484
			TOTAL	47,880		TOTAL	5,320

REPAIR QUANTITIY NOTES:

1. THE REPAIR AREA QUANTITIES SHOWN FOR ITEMS 579.02 & 584.0320nn ARE APPROXIMATE AND SHOWN TO HELP FACILITATE BIDDING. THESE QUANTITIES ARE BASED ON INFORMATION COLLECTED FROM RECENT BRIDGE INSPECTION REPORTS AND INFORMATION OBTAINED FROM THE GPR DATA.
2. A REPORT OUTLINING THE FINDINGS FROM THE GPR DATA IS BEING PROVIDED AS SUPPLEMENTAL INFORMATION.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

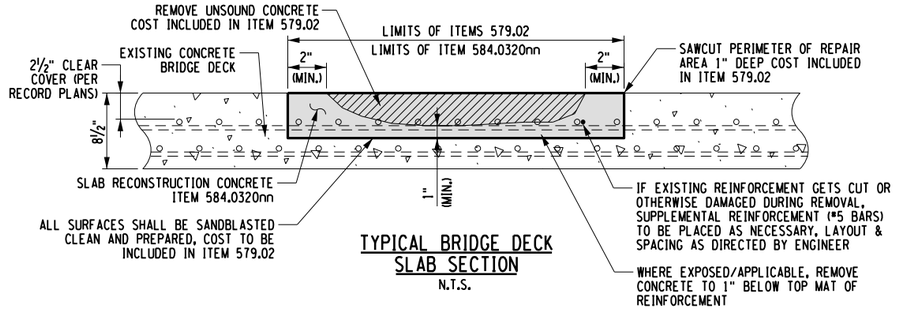
NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

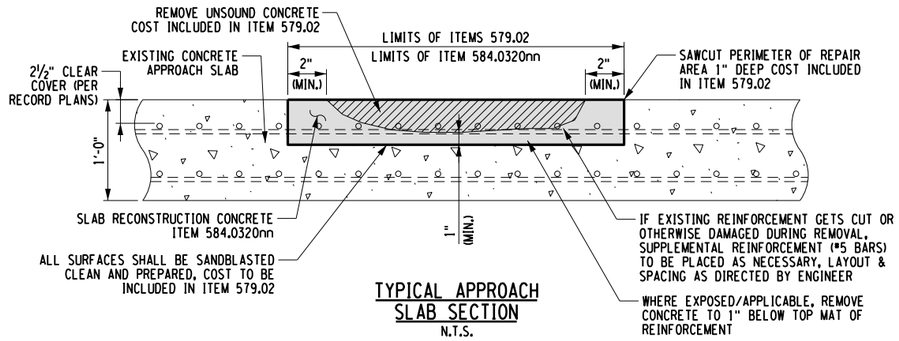
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.6500 · www.chacbuffalo.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: BRIDGE DECK & APPROACH SLAB REPAIR QUANTITY TABLES

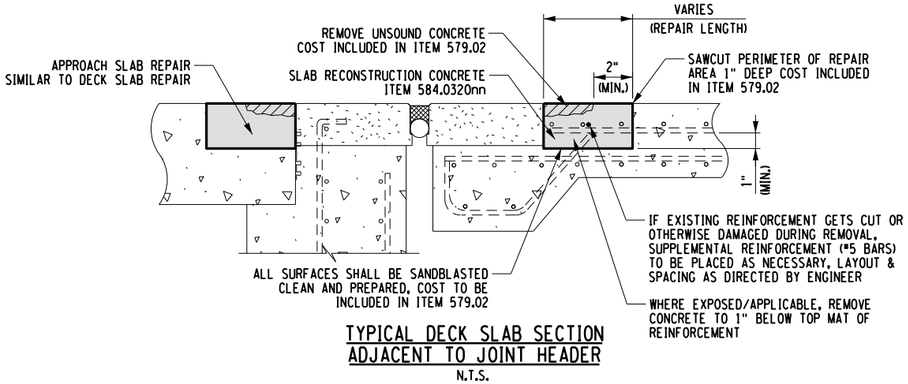
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BR-1



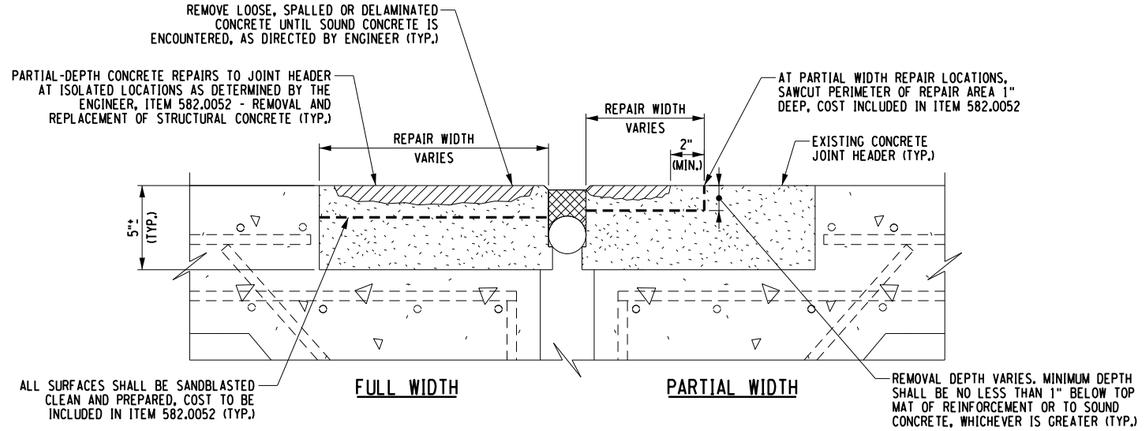
TYPICAL BRIDGE DECK
SLAB SECTION
N.T.S.



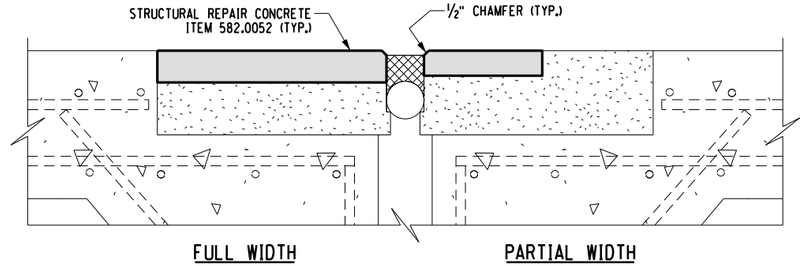
TYPICAL APPROACH
SLAB SECTION
N.T.S.



TYPICAL DECK SLAB SECTION
ADJACENT TO JOINT HEADER
N.T.S.



EXISTING CONDITION



PROPOSED REPAIR

PARTIAL-DEPTH CONCRETE REPAIRS TO JOINT HEADERS
(REQUIRED AT BAILEY AVENUE & SELKIRK STREET BRIDGES ONLY)
N.T.S.

DECK REPAIR NOTES:

1. SEE DWG. BR-1 FOR REPAIR AREA QUANTITIY TABLES.
2. ALL DECK REPAIRS SHALL BE COMPLETED PRIOR TO THE OVERLAY PLACEMENT.
3. THE CONTRACTOR SHALL NOTE THAT THESE ARE TYPICAL REMOVAL DETAILS AND NOT ALL FIELD CONDITIONS MAY BE SHOWN. THE ENGINEER WILL MAKE ANY CHANGES TO REPAIR SIZES AND TYPES AS NEEDED.
4. THE CONTRACTOR SHALL MARK OUT CLEARLY THE SAW CUT BOUNDARY LINES, THE ENGINEER WILL INFORM THE CONTRACTOR WHETHER THE MARK OUT IS ACCEPTABLE AND THE CONCRETE REMOVAL CAN BEGIN.
5. THE COST FOR ALL SAWCUTTING, ALONG WITH THE REMOVAL AND DISPOSAL OF THE CONCRETE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 579.02.

HEADER REPAIR NOTES:

1. ALL HEADER REPAIRS SHALL BE COMPLETED PRIOR TO CLEANING & RESEALING THE JOINTS.
2. THE CONTRACTOR SHALL NOTE THAT THESE ARE TYPICAL REPAIR DETAILS AND NOT ALL FIELD CONDITIONS MAY BE SHOWN. THE HEADER REPAIRS ARE REQUIRED AT VARIOUS ISOLATED LOCATIONS ALONG THE BRIDGE JOINTS AT BAILEY AVE. AND SELKIRK ST. AS DETERMINED BY THE ENGINEER.
3. THE COST FOR ALL SAWCUTTING, ALONG WITH THE REMOVAL AND DISPOSAL OF THE HEADER CONCRETE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 582.0052.

DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH
CHECKED BY: E.SWEET

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbl.com

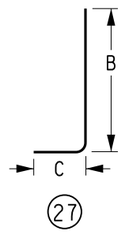
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	BRIDGE DECK, APPROACH SLAB AND HEADER REPAIR DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	BR-2

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER CLINTON STREET - MP 901.56 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE1	134	5	27	2' - 10"	396		13"	21"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (APPR.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (APPR.)	5SE12	2	5	STR.	30' - 2"	63											
L-BAR DOWELS (DECK)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (DECK)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (DECK)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (DECK)	5SE12	2	5	STR.	30' - 2"	63											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						952	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (BEG.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (BEG.)	5SE12	2	5	STR.	30' - 2"	63											
L-BAR DOWELS (END)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (END)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (END)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (END)	5SE12	2	5	STR.	30' - 2"	63											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						836	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (BEG.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (BEG.)	5SE12	2	5	STR.	30' - 2"	63											
L-BAR DOWELS (END)	5SE3	134	5	27	1' - 8"	268		13"	10"								
TRANSVERSE BARS - STAGE I (END)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (END)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (END)	5SE12	2	5	STR.	30' - 2"	63											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						824	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (DECK)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (DECK)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (DECK)	5SE12	2	5	STR.	30' - 2"	63											
L-BAR DOWELS (APPR.)	5SE5	134	5	27	3' - 3"	455		18"	21"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE10	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE II (APPR.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (APPR.)	5SE12	2	5	STR.	30' - 2"	63											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						1,011	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						**3,623**	**LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES**										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER CLINTON STREET - MP 901.56 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE1	134	5	27	2' - 10"	396		13"	21"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (APPR.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (APPR.)	5SE12	2	5	STR.	30' - 1"	63											
L-BAR DOWELS (DECK)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (DECK)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (DECK)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (DECK)	5SE12	2	5	STR.	30' - 1"	63											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						962	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE2	134	5	27	2' - 0"	327		13"	15"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (BEG.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (BEG.)	5SE12	2	5	STR.	30' - 1"	63											
L-BAR DOWELS (END)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (END)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (END)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (END)	5SE12	2	5	STR.	30' - 1"	63											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						893	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE3	134	5	27	1' - 8"	233		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (BEG.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (BEG.)	5SE12	2	5	STR.	30' - 1"	63											
L-BAR DOWELS (END)	5SE3	134	5	27	1' - 8"	233		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (END)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (END)	5SE12	2	5	STR.	30' - 1"	63											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						752	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE2	134	5	27	2' - 0"	280		13"	11"								
TRANSVERSE BARS - STAGE I (DECK)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (DECK)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (DECK)	5SE12	2	5	STR.	30' - 1"	63											
L-BAR DOWELS (APPR.)	5SE1	134	5	27	2' - 10"	396		13"	21"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE10	2	5	STR.	22' - 10"	48											
TRANSVERSE BARS - STAGE II (APPR.)	5SE11	2	5	STR.	15' - 2"	32											
TRANSVERSE BARS - STAGE III (APPR.)	5SE12	2	5	STR.	30' - 1"	63											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						962	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						**3,569**	**LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES**										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: ERIC L. ALEXOPOULOS LICENSED PROFESSIONAL ENGINEER 077797 STATE OF NEW YORK EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	JOINT HEADER BAR LIST CLINTON ST - M.P. 901.56
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	BL-1

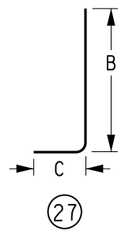
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
CHECKED BY: E. SWEET

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER SENECA STREET - MP 902.22 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE1	180	5	27	2' - 10"	579		13"	24"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (APPR.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (APPR.)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (DECK)	5SE2	180	5	27	2' - 0"	517		13"	20"								
TRANSVERSE BARS - STAGE I (DECK)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (DECK)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (DECK)	5SE15	2	5	STR.	41' - 0"	86											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						1,472	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE2	180	5	27	2' - 0"	485		13"	18"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (BEG.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (BEG.)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (END)	5SE2	180	5	27	2' - 0"	501		13"	19"								
TRANSVERSE BARS - STAGE I (END)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (END)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (END)	5SE15	2	5	STR.	41' - 0"	86											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						1,362	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE2	180	5	27	2' - 0"	485		13"	18"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (BEG.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (BEG.)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (END)	5SE2	180	5	27	2' - 0"	454		13"	16"								
TRANSVERSE BARS - STAGE I (END)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (END)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (END)	5SE15	2	5	STR.	41' - 0"	86											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						1,315	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE2	180	5	27	2' - 0"	485		13"	18"								
TRANSVERSE BARS - STAGE I (DECK)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (DECK)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (DECK)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (APPR.)	5SE1	180	5	27	2' - 10"	611		13"	26"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (APPR.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (APPR.)	5SE15	2	5	STR.	41' - 0"	86											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						1,472	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						5,621	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER SENECA STREET - MP 902.22 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE1	180	5	27	2' - 10"	579		13"	24"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (APPR.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (APPR.)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (DECK)	5SE2	180	5	27	2' - 0"	470		13"	17"								
TRANSVERSE BARS - STAGE I (DECK)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (DECK)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (DECK)	5SE15	2	5	STR.	41' - 0"	86											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						1,425	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE2	180	5	27	2' - 0"	470		13"	17"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (BEG.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (BEG.)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (END)	5SE2	180	5	27	2' - 0"	470		13"	17"								
TRANSVERSE BARS - STAGE I (END)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (END)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (END)	5SE15	2	5	STR.	41' - 0"	86											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						1,316	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE2	180	5	27	2' - 0"	485		13"	18"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (BEG.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (BEG.)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (END)	5SE2	180	5	27	2' - 0"	454		13"	16"								
TRANSVERSE BARS - STAGE I (END)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (END)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (END)	5SE15	2	5	STR.	41' - 0"	86											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						1,315	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE2	180	5	27	2' - 0"	501		13"	19"								
TRANSVERSE BARS - STAGE I (DECK)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (DECK)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (DECK)	5SE15	2	5	STR.	41' - 0"	86											
L-BAR DOWELS (APPR.)	5SE1	180	5	27	2' - 10"	611		13"	26"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE13	2	5	STR.	28' - 1"	59											
TRANSVERSE BARS - STAGE II (APPR.)	5SE14	2	5	STR.	20' - 7"	43											
TRANSVERSE BARS - STAGE III (APPR.)	5SE15	2	5	STR.	41' - 0"	86											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						1,488	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						5,544	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

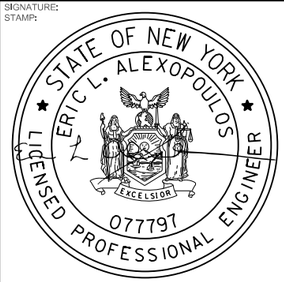
NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: JOINT HEADER BAR LIST SENECA ST - M.P. 902.22

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BL-2

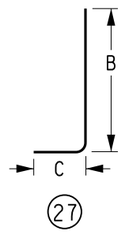
DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER MILTON STREET - MP 902.44 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	110	5	27	2' - 0"	230		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE16	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE17	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE18	2	5	STR.	27' - 4"	58											
L-BAR DOWELS (DECK)	5SE3	110	5	27	1' - 8"	192		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE16	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE17	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE18	2	5	STR.	27' - 4"	58											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						650	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE3	110	5	27	1' - 8"	192		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE16	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE17	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE18	2	5	STR.	27' - 4"	58											
L-BAR DOWELS (END)	5SE3	110	5	27	1' - 8"	192		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE16	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE17	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE18	2	5	STR.	27' - 4"	58											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						612	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE3	110	5	27	1' - 8"	192		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE16	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE17	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE18	2	5	STR.	27' - 4"	58											
L-BAR DOWELS (END)	5SE3	110	5	27	1' - 8"	192		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE16	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE17	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE18	2	5	STR.	27' - 4"	58											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						612	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE3	110	5	27	1' - 8"	192		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE36	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE37	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE38	2	5	STR.	27' - 4"	58											
L-BAR DOWELS (APPR.)	5SE2	110	5	27	2' - 0"	230		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE36	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE37	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE38	2	5	STR.	27' - 4"	58											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						650	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						**2,524**	**LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES**										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER MILTON STREET - MP 902.44 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	100	5	27	2' - 0"	209		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE21	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (DECK)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE21	2	5	STR.	22' - 6"	47											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						589	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE21	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (END)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE21	2	5	STR.	22' - 6"	47											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						554	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE21	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (END)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE21	2	5	STR.	22' - 6"	47											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						554	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE21	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (APPR.)	5SE2	100	5	27	2' - 0"	209		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE19	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE20	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE21	2	5	STR.	22' - 6"	47											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						589	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						**2,286**	**LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES**										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: ERIC L. ALEXOPOULOS 077797 LICENSED PROFESSIONAL ENGINEER STATE OF NEW YORK EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	JOINT HEADER BAR LIST MILTON ST - M.P. 902.44
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	BL-3

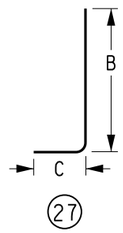
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH
CHECKED BY: E.SWEET

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER BABCOCK STREET - MP 902.63 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	100	5	27	2' - 0"	209		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (DECK)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE24	2	5	STR.	22' - 6"	47											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						589	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (END)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE24	2	5	STR.	22' - 6"	47											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						554	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (END)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE24	2	5	STR.	22' - 6"	47											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						554	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (APPR.)	5SE2	100	5	27	2' - 0"	209		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE24	2	5	STR.	22' - 6"	47											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						589	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						2,286	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER BABCOCK STREET - MP 902.63 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	100	5	27	2' - 0"	209		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (DECK)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE24	2	5	STR.	22' - 6"	47											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						589	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (END)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE24	2	5	STR.	22' - 6"	47											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						554	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (END)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (END)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (END)	5SE24	2	5	STR.	22' - 6"	47											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						554	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE3	100	5	27	1' - 8"	174		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE24	2	5	STR.	22' - 6"	47											
L-BAR DOWELS (APPR.)	5SE2	100	5	27	2' - 0"	209		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE22	2	5	STR.	15' - 4"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE23	2	5	STR.	11' - 4"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE24	2	5	STR.	22' - 6"	47											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						589	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						2,286	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										



NOTES:

1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
CHECKED BY: E. SWEET

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
ERIC L. ALEXOPOULOS
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR
077797

BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: JOINT HEADER BAR LIST BABCOCK ST - M.P. 902.63

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

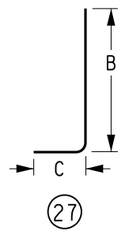
DRAWING NUMBER: BL-4

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER PEABODY STREET - MP 902.84 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	98	5	27	2' - 0"	205		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (DECK)	5SE7	98	5	27	1' - 10"	188		15"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE27	2	5	STR.	21' - 11"	46											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						597	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (END)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (END)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (END)	5SE27	2	5	STR.	21' - 11"	46											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						546	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (END)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (END)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (END)	5SE27	2	5	STR.	21' - 11"	46											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						546	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (APPR.)	5SE6	98	5	27	2' - 5"	248		18"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE27	2	5	STR.	21' - 11"	46											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						623	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						**2,312**	**LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES**										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER PEABODY STREET - MP 902.84 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	98	5	27	2' - 0"	205		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (DECK)	5SE7	98	5	27	1' - 10"	188		15"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE27	2	5	STR.	21' - 11"	46											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						597	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (END)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (END)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (END)	5SE27	2	5	STR.	21' - 11"	46											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						546	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (BEG.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (BEG.)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (END)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (END)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (END)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (END)	5SE27	2	5	STR.	21' - 11"	46											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						546	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 4)																	
L-BAR DOWELS (DECK)	5SE3	98	5	27	1' - 8"	171		13"	7"								
TRANSVERSE BARS - STAGE I (DECK)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (DECK)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (DECK)	5SE27	2	5	STR.	21' - 11"	46											
L-BAR DOWELS (APPR.)	5SE6	98	5	27	2' - 5"	248		18"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE25	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE26	2	5	STR.	11' - 1"	24											
TRANSVERSE BARS - STAGE III (APPR.)	5SE27	2	5	STR.	21' - 11"	46											
END ABUTMENT JOINT (POUR 4) SUB-TOTAL:						623	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						**2,312**	**LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES**										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
ERIC L. ALEXOPOULOS
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR
077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: JOINT HEADER BAR LIST PEABODY ST - M.P. 902.84

CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

DRAWING NUMBER: BL-5

DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
DESIGN SUPERVISOR: D.MARSH
CHECKED BY: E.SWEET

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER SMITH STREET - MP 903.14 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	106	5	27	2' - 0"	222		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE28	2	5	STR.	15' - 0"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE29	2	5	STR.	11' - 0"	23											
TRANSVERSE BARS - STAGE III (APPR.)	5SE30	2	5	STR.	26' - 8"	56											
L-BAR DOWELS (DECK)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (DECK)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (DECK)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (DECK)	5SE30	1	5	STR.	26' - 8"	28											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						463	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE30	1	5	STR.	26' - 8"	28											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (END)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE30	1	5	STR.	26' - 8"	28											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						260	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE30	1	5	STR.	26' - 8"	28											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (END)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE30	1	5	STR.	26' - 8"	28											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						260	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						983	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER SMITH STREET - MP 903.14 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	106	5	27	2' - 0"	222		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE28	2	5	STR.	15' - 0"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE29	2	5	STR.	11' - 0"	23											
TRANSVERSE BARS - STAGE III (APPR.)	5SE30	2	5	STR.	26' - 8"	56											
L-BAR DOWELS (DECK)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (DECK)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (DECK)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (DECK)	5SE30	1	5	STR.	26' - 8"	28											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						463	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE30	1	5	STR.	26' - 8"	28											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (END)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE30	1	5	STR.	26' - 8"	28											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						260	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE30	1	5	STR.	26' - 8"	28											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE28	1	5	STR.	15' - 0"	16											
TRANSVERSE BARS - STAGE II (END)	5SE29	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE30	1	5	STR.	26' - 8"	28											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						260	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						983	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

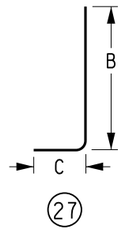
SIGNATURE:
STAMP:

STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED



NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: JOINT HEADER BAR LIST SMITH ST - M.P. 903.14

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BL-6

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER ERIE R.R. - MP 903.32 - NORTHBOUND																	
PIER 1 JOINT (POUR 1)																	
L-BAR DOWELS (BEG.)	5SE4	59	5	27	1' - 4"	83		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE31	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE32	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE33	1	5	STR.	29' - 3"	31											
L-BAR DOWELS (END)	5SE4	59	5	27	1' - 4"	83		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE31	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (END)	5SE32	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (END)	5SE33	1	5	STR.	29' - 3"	31											
PIER 1 JOINT (POUR 1) SUB-TOTAL:						290	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	59	5	27	1' - 4"	83		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE31	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE32	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE33	1	5	STR.	29' - 3"	31											
L-BAR DOWELS (END)	5SE4	59	5	27	1' - 4"	83		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE31	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (END)	5SE32	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (END)	5SE33	1	5	STR.	29' - 3"	31											
PIER 2 JOINT (POUR 2) SUB-TOTAL:						290	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						580	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER ERIE R.R. - MP 903.32 - SOUTHBOUND																	
PIER 1 JOINT (POUR 1)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE34	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE35	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE36	1	5	STR.	24' - 1"	26											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE34	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (END)	5SE35	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (END)	5SE36	1	5	STR.	24' - 1"	26											
PIER 1 JOINT (POUR 1) SUB-TOTAL:						262	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE34	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE35	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE36	1	5	STR.	24' - 1"	26											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE34	1	5	STR.	16' - 5"	18											
TRANSVERSE BARS - STAGE II (END)	5SE35	1	5	STR.	12' - 2"	13											
TRANSVERSE BARS - STAGE III (END)	5SE36	1	5	STR.	24' - 1"	26											
PIER 2 JOINT (POUR 2) SUB-TOTAL:						262	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						524	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

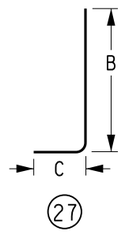
ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS

S = BRIDGE JOINT HEADER
E = EPOXY COATED



NOTES:

1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2025
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacble.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	JOINT HEADER BAR LIST ERIE RR - M.P. 903.32
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	BL-7

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

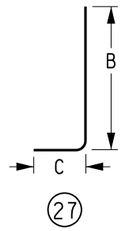
BRIDGE OVER VAN RENSSELAER STREET - MP 903.48 - NORTHBOUND

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
PIER 1 JOINT (POUR 1)																	
L-BAR DOWELS (BEG.)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE39	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (END)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE39	1	5	STR.	21' - 10"	23											
PIER 1 JOINT (POUR 1) SUB-TOTAL:						240	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE39	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (END)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE39	1	5	STR.	21' - 10"	23											
PIER 2 JOINT (POUR 2) SUB-TOTAL:						240	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 3)																	
L-BAR DOWELS (DECK)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (DECK)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (DECK)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (DECK)	5SE39	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (APPR.)	5SE6	98	5	27	2' - 5"	273		18"	14"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE37	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE38	2	5	STR.	11' - 0"	23											
TRANSVERSE BARS - STAGE III (APPR.)	5SE39	2	5	STR.	21' - 10"	46											
END ABUTMENT JOINT (POUR 3) SUB-TOTAL:						494	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						974	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

BRIDGE OVER VAN RENSSELAER STREET - MP 903.48 - SOUTHBOUND

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
PIER 1 JOINT (POUR 1)																	
L-BAR DOWELS (BEG.)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE39	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (END)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE39	1	5	STR.	21' - 10"	23											
PIER 1 JOINT (POUR 1) SUB-TOTAL:						240	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE39	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (END)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE39	1	5	STR.	21' - 10"	23											
PIER 2 JOINT (POUR 2) SUB-TOTAL:						240	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
END ABUTMENT JOINT (POUR 3)																	
L-BAR DOWELS (DECK)	5SE4	49	5	27	1' - 4"	69		13"	3"								
TRANSVERSE BARS - STAGE I (DECK)	5SE37	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (DECK)	5SE38	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (DECK)	5SE39	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (APPR.)	5SE6	98	5	27	2' - 5"	248		18"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE37	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE38	2	5	STR.	11' - 0"	23											
TRANSVERSE BARS - STAGE III (APPR.)	5SE39	2	5	STR.	21' - 10"	46											
END ABUTMENT JOINT (POUR 3) SUB-TOTAL:						469	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						949	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Drawing Copyright © 2026
CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: JOINT HEADER BAR LIST VAN RENSSELAER ST - M.P. 903.48

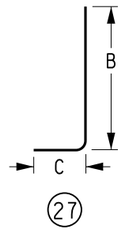
CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BL-8

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER CSX R.R. - MP 903.66 - NORTHBOUND																	
PIER 1 JOINT (POUR 1)																	
L-BAR DOWELS (BEG.)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE42	1	5	STR.	24' - 5"	26											
L-BAR DOWELS (END)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (END)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (END)	5SE42	1	5	STR.	24' - 5"	26											
PIER 1 JOINT (POUR 1) SUB-TOTAL:						266	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE42	1	5	STR.	24' - 5"	26											
L-BAR DOWELS (END)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (END)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (END)	5SE42	1	5	STR.	24' - 5"	26											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						266	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 3 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE42	1	5	STR.	24' - 5"	26											
L-BAR DOWELS (END)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (END)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (END)	5SE42	1	5	STR.	24' - 5"	26											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						266	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						798	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER CSX R.R. - MP 903.66 - SOUTHBOUND																	
PIER 1 JOINT (POUR 1)																	
L-BAR DOWELS (BEG.)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE42	1	5	STR.	24' - 5"	26											
L-BAR DOWELS (END)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (END)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (END)	5SE42	1	5	STR.	24' - 5"	26											
PIER 1 JOINT (POUR 1) SUB-TOTAL:						266	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE42	1	5	STR.	24' - 5"	26											
L-BAR DOWELS (END)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (END)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (END)	5SE42	1	5	STR.	24' - 5"	26											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						266	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 3 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (BEG.)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (BEG.)	5SE42	1	5	STR.	24' - 5"	26											
L-BAR DOWELS (END)	5SE4	54	5	27	1' - 4"	76		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE40	1	5	STR.	16' - 8"	18											
TRANSVERSE BARS - STAGE II (END)	5SE41	1	5	STR.	12' - 4"	13											
TRANSVERSE BARS - STAGE III (END)	5SE42	1	5	STR.	24' - 5"	26											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						266	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						798	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

ALTERED ON:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

ERIC L. ALEXOPOULOS
STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026

CHA
200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: JOINT HEADER BAR LIST CSX RR - M.P. 903.66

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BL-9

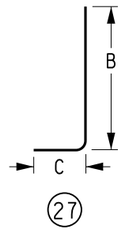
DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER HAMBURG STREET - MP 903.79 - NORTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	106	5	27	2' - 0"	249		13"	14"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE43	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE44	2	5	STR.	11' - 0"	23											
TRANSVERSE BARS - STAGE III (APPR.)	5SE45	2	5	STR.	26' - 6"	56											
L-BAR DOWELS (DECK)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (DECK)	5SE43	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (DECK)	5SE44	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (DECK)	5SE45	1	5	STR.	26' - 6"	28											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						490	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE43	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE44	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE45	1	5	STR.	26' - 6"	28											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE43	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE44	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE45	1	5	STR.	26' - 6"	28											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						260	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE43	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE44	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE45	1	5	STR.	26' - 6"	28											
L-BAR DOWELS (END)	5SE4	53	5	27	1' - 4"	74		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE43	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE44	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE45	1	5	STR.	26' - 6"	28											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						260	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						1,010	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										

REINFORCING STEEL BAR SCHEDULE - JOINT HEADERS

LOCATION	MARK	QTY	SIZE	TYPE	LENGTH	WEIGHT	A	B	C	D	E	G	H	J	K	O	R
BRIDGE OVER HAMBURG STREET - MP 903.79 - SOUTHBOUND																	
BEGIN ABUTMENT JOINT (POUR 1)																	
L-BAR DOWELS (APPR.)	5SE2	96	5	27	2' - 0"	201		13"	11"								
TRANSVERSE BARS - STAGE I (APPR.)	5SE46	2	5	STR.	14' - 11"	32											
TRANSVERSE BARS - STAGE II (APPR.)	5SE47	2	5	STR.	11' - 0"	23											
TRANSVERSE BARS - STAGE III (APPR.)	5SE48	2	5	STR.	21' - 10"	46											
L-BAR DOWELS (DECK)	5SE4	48	5	27	1' - 4"	67		13"	3"								
TRANSVERSE BARS - STAGE I (DECK)	5SE46	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (DECK)	5SE47	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (DECK)	5SE48	1	5	STR.	21' - 10"	23											
BEGIN ABUTMENT JOINT (POUR 1) SUB-TOTAL:						420	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 1 JOINT (POUR 2)																	
L-BAR DOWELS (BEG.)	5SE4	48	5	27	1' - 4"	67		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE46	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE47	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE48	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (END)	5SE4	48	5	27	1' - 4"	67		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE46	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE47	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE48	1	5	STR.	21' - 10"	23											
PIER 1 JOINT (POUR 2) SUB-TOTAL:						236	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
PIER 2 JOINT (POUR 3)																	
L-BAR DOWELS (BEG.)	5SE4	48	5	27	1' - 4"	67		13"	3"								
TRANSVERSE BARS - STAGE I (BEG.)	5SE46	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (BEG.)	5SE47	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (BEG.)	5SE48	1	5	STR.	21' - 10"	23											
L-BAR DOWELS (END)	5SE4	48	5	27	1' - 4"	67		13"	3"								
TRANSVERSE BARS - STAGE I (END)	5SE46	1	5	STR.	14' - 11"	16											
TRANSVERSE BARS - STAGE II (END)	5SE47	1	5	STR.	11' - 0"	12											
TRANSVERSE BARS - STAGE III (END)	5SE48	1	5	STR.	21' - 10"	23											
PIER 2 JOINT (POUR 3) SUB-TOTAL:						236	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										
TOTAL WEIGHT ENTIRE STRUCTURE:						892	LBS - ITEM 556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES										



BAR BENDING DIAGRAMS
N.T.S.

BAR LIST IS FOR INFORMATION ONLY AND IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE BAR LIST AND REPORT ANY DISCREPANICIES TO THE ENGINEER.

BAR MARK DESIGNATIONS
S = BRIDGE JOINT HEADER
E = EPOXY COATED

NOTES:
1. ALL REINFORCEMENT SHOWN IN THE TABLES ABOVE IS INTENDED TO BE USED FOR "METHOD A" JOINT HEADERS ONLY.
2. THE LENGTHS OF ALL STRAIGHT REINFORCING BARS SHOWN IN THE TABLES ABOVE, WERE DETERMINED BASED ON THE WORK ZONE CONSTRUCTION STAGING LIMITS SHOWN ON DWG. CS-1. THESE BAR LENGTHS ARE APPROXIMATE AND TO HELP FACILITATE BIDDING.
3. IF THE CONTRACTOR ELECTS TO USE DIFFERENT CONSTRUCTION STAGING LIMITS AS SHOWN ON DWG. CS-1, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LENGTH OF ALL STRAIGHT BARS ACCORDINGLY.

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 12/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
ERIC L. ALEXOPOULOS
LICENSED PROFESSIONAL ENGINEER
077797

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING: JOINT HEADER BAR LIST HAMBURG ST - M.P. 903.79

CONTRACT NUMBER: TAN 26-14
DATE: DEC. 2025
DRAWING NUMBER: BL-10

DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E. SWEET
CHECKED BY: E. SWEET

STEEL REPAIR NOTES:

1. THE INTENT OF THESE STRUCTURAL STEEL REPAIRS IS TO SUPPORT THE ADDITIONAL SUPERIMPOSED DEAD LOAD RESULTING FROM THE APPLICATION OF THE 3½" ASPHALT OVERLAY.
2. ALL STRUCTURAL STEEL WORK, INCLUDING, BUT NOT LIMITED TO, FABRICATION, INSPECTION, TRANSPORTATION, BOLT INSTALLATION, AND ERECTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NYSDOT STEEL CONSTRUCTION MANUAL (NYSSCM).
3. FABRICATION, FURNISHMENT, AND INSTALLATION OF STEEL FOR THE GIRDER END WEB PLATES REPAIRS SHALL BE PAID FOR UNDER ITEM 564.510001 AND THE GIRDER BOTTOM FLANGE COVER PLATE REPAIRS SHALL BE PAID FOR UNDER ITEM 564.510002.
4. THE CONTRACTOR SHALL INCLUDE IN THE PRICE BID FOR THIS ITEM THE COST OF TEMPORARY SUPPORT & CLEANING OF FAYING SURFACES. PROPOSED WEB PLATES AND COVER PLATES SHALL BE FURNISHED TO MINIMUM CHARPY V-NOTCH TOUGHNESS REQUIREMENTS AS DESCRIBED IN MATERIAL SPECIFICATION 715-01 OF THE STANDARD SPECIFICATIONS.
5. FIELD DRILLING OF BOLT HOLES SHALL BE PERFORMED UNDER ITEM 586.10. ALL HOLES SHALL BE DRILLED IN ACCORDANCE WITH REQUIREMENTS OF SECTION 613, BOLT HOLES IN STEEL MEMBERS" OF THE LATEST EDITION OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (NYSSCM)
6. ALL NEW STRUCTURAL STEEL SHALL BE ASTM A709 Gr. 50 ksi (AASHTO M270 GR 50).
7. ALL BOLTS SHALL BE ASTM F3125 GR A325 TYPE 1 (HDG) WITH ASTM A563 HEAVY HEX NUTS & F436 HARDENED WASHERS. ALL NEW H.S BOLTS SHALL BE ⅞"Ø, EXCEPT AS NOTED. WASHERS SHALL BE PLACED UNDER BOTH THE BOLT HEAD AND NUT (2 WASHERS PER BOLT).
8. ALL FASTENERS, INCLUDING ANCHOR BOLTS, SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE SPECIFICATIONS.
9. ALL STEEL REPAIR PARTS WILL REQUIRE SHOP DRAWINGS. SHOP DRAWINGS SHALL BE PREPARED IN ENGLISH UNITS AND SUBMITTED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL AS MODIFIED BY CONTRACT DOCUMENTS, AND THE PROCEDURE FOR PROCESSING ENGINEERING SUBMITTALS (430-0-10).
10. THE WEIGHTS OF ALL COMPONENTS SHALL BE INDICATED IN THE BILL OF MATERIALS WITHIN THE SHOP DRAWINGS.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM ALL PERTINENT DIMENSIONS PRIOR TO FABRICATION TO ENSURE PROPER FIT-UP OF THE NEW PLATES.

REPAIR PROCEDURE NOTES:

1. INSTALL ENVIRONMENTAL GROUND PROTECTION.
2. PRIOR TO INSTALLATION OF NEW STEEL, THE PAINT SHALL BE REMOVED FOR A MINIMUM OF 6" ON EACH SIDE OF THE CENTERLINE OF BOLT ROW, AS APPLICABLE.
3. REMOVE ALL REMAINING PAINT, RUST, RUST SCALE AND MILL SCALE TO SSPC SP-10 STANDARDS TO THE LIMITS OF THE PROPOSED WEB REPAIR PLATES AND BOTTOM FLANGE COVER PLATES AS SHOWN IN THE DETAILS INCLUDING 6 INCHES ON EACH SIDE OF PLATE (WHERE APPLICABLE).
4. FURNISH AND INSTALL NEW ½" THICK STEEL REPAIR PLATES ON EACH SIDE OF THE GIRDER WEB AS DETAILED. GRIND EDGES AS NECESSARY TO OBTAIN TIGHT FIT TO THE BOTTOM FLANGES. FAYING SURFACES OF STEEL SHALL BE CLEANED. FIELD DRILL 15/16"Ø HOLES TO ACCOMMODAT E ⅞"Ø BOLTS TO BE INSTALLED.
5. FURNISH AND INSTALL NEW 1¼" THICK STEEL COVER PLATE ON THE UNDERSIDE OF THE GIRDER BOTTOM FLANGE AS DETAILED. FAYING SURFACES OF STEEL SHALL BE CLEANED. FIELD DRILL 15/16"Ø HOLES TO ACCOMMODATE ⅞"Ø BOLTS TO BE INSTALLED.
6. PREPARE SURFACES FOR PAINTING IN ACCORDANCE WITH SECTION 574-3.03 OF THE STANDARD SPECIFICATIONS. PRIME AND PAINT EXPOSED STEEL AREAS FROM THE ABOVE WORK AS DIRECTED BY THE ENGINEER USING AN APPROVED PAINT SYSTEM FROM THE AUTHORITY'S APPROVED LIST.

PAINTING NOTES:

1. ASIDE FROM PAINTING REQUIRED FOR THE STEEL REPAIRS, AND AREAS WITHIN AND IMMEDIATELY ADJACENT TO THE STEEL REPAIRS, NO OTHER CLEANING OR PAINTING OF THE STRUCTURAL STEEL IS ANTICIPATED.
2. PRIOR TO SHIPPING TO THE FIELD, ALL NEW STRUCTURAL STEEL SHALL BE ABRASIVELY BLAST CLEANED IN ACCORDANCE WITH SSPC SP 10, NEAR WHITE METAL BLAST AND SHALL BE PRE-PRIMED, AFTER SHOP FABRICATION, WITH AN INORGANIC ZINC-RICH PRIMER. ALL DIRT, GREASE AND FOREIGN MATTER SHALL BE CLEANED FROM THE NEW STEEL PRIOR TO APPLICATION OF THE SHOP OR FIELD APPLIED INTERMEDIATE COAT, AND FINISH COAT.
3. FAYING SURFACES FOR BOLTED CONNECTIONS SHALL BE PRIMED WITH SLIP B APPROVED ORGANIC ZINC RICH PRIMERS. PRIMED FAYING SURFACES OF ALL PRIMED BOLTED CONNECTIONS SHALL BE MASKED WITHIN 3 INCHES (75 MM) OF ALL OPEN HOLES PRIOR TO APPLICATION OF THE INTERMEDIATE AND FINAL COATS OF PAINT. TOUCH-UP FIELD PAINTING OF THE INTERMEDIATE AND FINAL COATS SHALL BE APPLIED AFTER ASSEMBLY OF THE CONNECTION.
4. FIELD PAINTING OPERATIONS SHALL BE PERFORMED UNDER ITEM 574.030003 - STRUCTURAL STEEL PAINTING: LOCALIZED. THE CONTRACTOR SHALL REMOVE PAINT TO THE LIMITS NOTED AND PAINT AREAS AS SPECIFIED ON THE REPAIR PROCEDURE. FAYING SURFACES SHALL BE MASKED AND UNPAINTED OR PRIMED.
5. SHOP PAINTING OPERATIONS SHALL BE PERFORMED UNDER ITEM 572.010003 - STRUCTURAL STEEL PAINT SYSTEM: SHOP APPLIED. FAYING SURFACES SHALL BE MASKED AND UNPAINTED OR PRIMED WITH AN APPROVED PRIMER IN ACCORDANCE WITH SECTION 1303, BOLTED SPLICES/CONNECTIONS" OF THE NYSSCM.
6. THE NEW GIRDER WEB REPAIR PLATES AND GIRDER BOTTOM FLANGE COVER PLATES SHALL BE 3-COAT PAINTED IN THE SHOP (IN ACCORDANCE WITH SECTION 572), WITH THEIR CONTACT SURFACES MASKED & PRIMED ONLY. COST TO BE INCLUDED IN ITEM 572.010003.
7. FIELD TOUCH-UP OF DAMAGED AREAS OF PRIMER COAT SHALL BE AS DIRECTED BY THE ENGINEER, USING A COMPATIBLE, ORGANIC ZINC TOUCH-UP PRIMER.
8. GALVANIZED BOLTS USED FOR THE STRUCTURAL STEEL REPAIRS WILL NOT BE REQUIRED TO BE PAINTED.
9. WHERE NEW MATERIAL IS TO BE BOLTED TO EXISTING MATERIAL, THE EXISTING SURFACE SHALL BE CLEANED PER THE REQUIREMENTS OF SSPC SP 11 "POWER TOOL CLEANING TO BARE METAL." THE CONTACT SURFACES SHALL BE COATED WITH THE ORGANIC ZINC-RICH PRIMER PRIOR TO INSTALLATION OF NEW MATERIAL.
10. WHERE NECESSARY, TARPS AND SCREENS WILL BE REQUIRED TO REMAIN IN PLACE DURING PAINT REMOVAL OPERATION. THE COST SHALL BE INCLUDED IN ITEM 574.030001.
11. FINISH COLOR:
    SAGE GREEN, MUNSHELL
    NUMBER/FEDERAL
    STANDARD 7/5 GY 5/4.

STRUCTURAL STEEL PAINT SYSTEM (SHOP APPLIED)

ITEM 572.010003

BRIDGE OVER	LOCATION	NB (SF)	SB (SF)	TOTAL (SF)
PEABODY ST	SPAN 2	18	-	18
SMITH ST	SPAN 3	-	18	18
VAN RENSSELAER ST	SPAN 2	-	18	18
	SPAN 3	32	32	64
			TOTAL	118

STRUCTURAL STEEL PAINT SYSTEM (LOCALIZED)

ITEM 574.030001

BRIDGE OVER	LOCATION	NB (SF)	SB (SF)	TOTAL (SF)
PEABODY ST	SPAN 2	15	-	15
SMITH ST	SPAN 3	-	15	15
VAN RENSSELAER ST	SPAN 2	-	15	15
	SPAN 3	17	17	34
			TOTAL	79

DISPOSAL OF NON-HAZARDOUS INDUSTRIAL SOLID PAINT WASTE

ITEM 571.04

BRIDGE OVER	LOCATION	NB (LB)	SB (LB)	TOTAL (LB)
PEABODY ST	SPAN 2	200	-	200
SMITH ST	SPAN 3	-	200	200
VAN RENSSELAER ST	SPAN 2	-	200	200
	SPAN 3	50	50	100
			TOTAL	700

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · EXCELSIOR · 077797 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT: I-190 HIGHWAY REHABILITATION

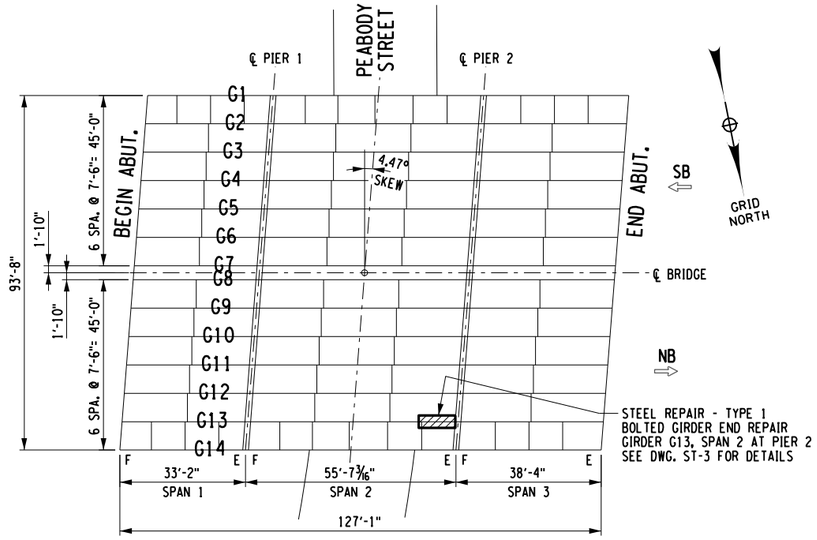
LOCATION OF PROJECT: I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2

TITLE OF DRAWING: STRUCTURAL STEEL REPAIRS NOTES AND PAINT TABLES

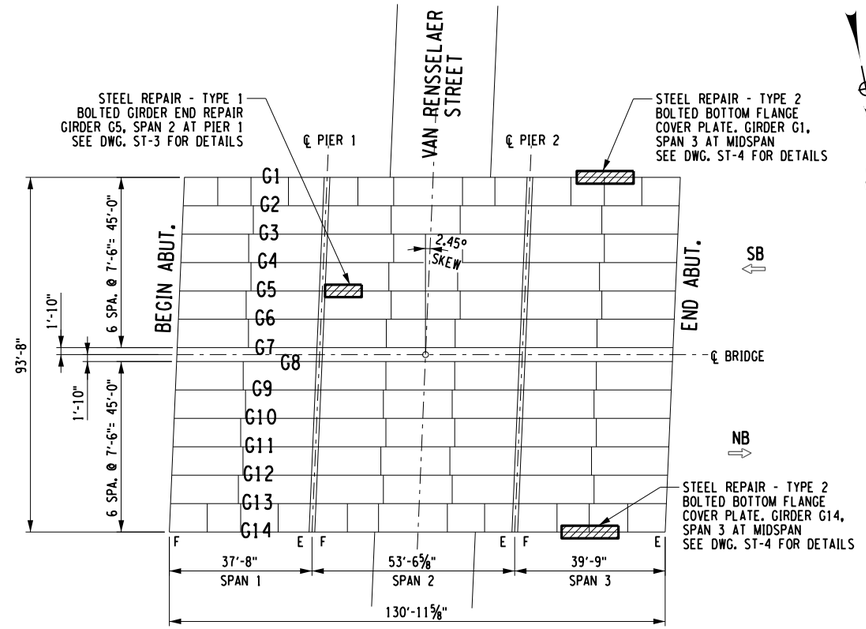
CONTRACT NUMBER: TAN 26-14

DATE: DEC. 2025

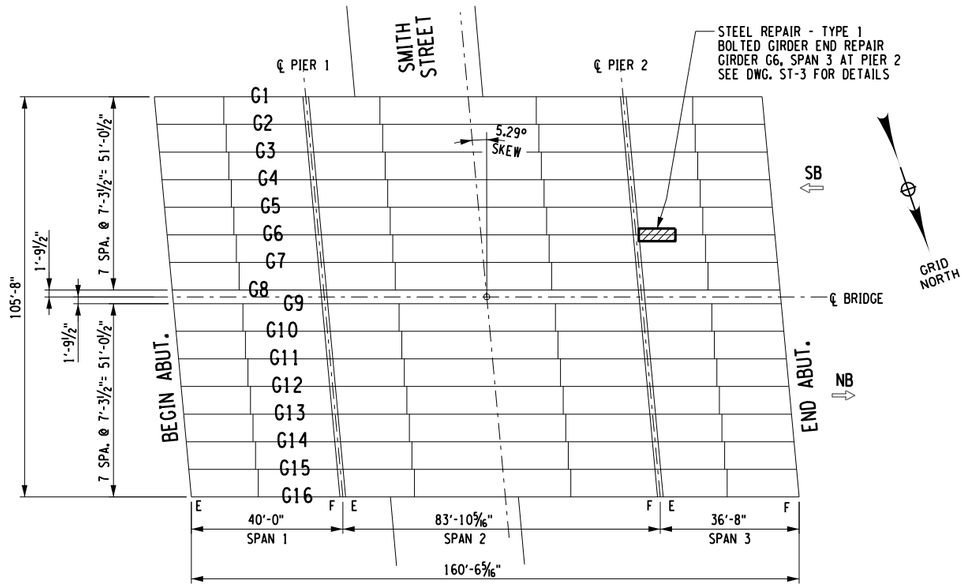
DRAWING NUMBER: ST-1



BRIDGE OVER PEABODY STREET
PLAN VIEW M.P. 902.84
SCALE: 1"= 40'



BRIDGE OVER VAN RENSSELAER STREET
PLAN VIEW M.P. 903.48
SCALE: 1"= 40'



BRIDGE OVER SMITH STREET
PLAN VIEW M.P. 903.14
SCALE: 1"= 40'

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S SCHUKRAFT
DRAFTED BY: S SCHUKRAFT
CHECKED BY: E. SWEET
QUALITY CONTROL BY: E. SWEET

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

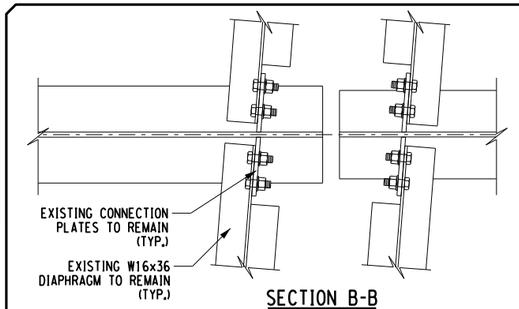
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

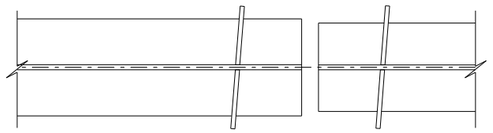
Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 · www.chacbuffalo.com

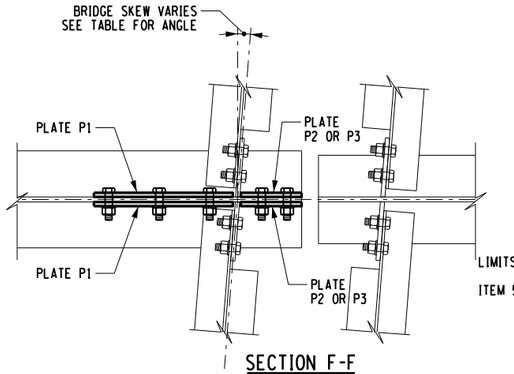
TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	STRUCTURAL STEEL REPAIRS FRAMING PLANS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	ST-2



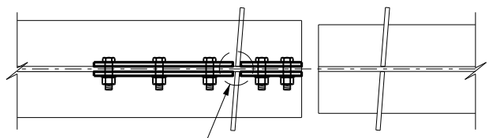
SECTION B-B
N.T.S.



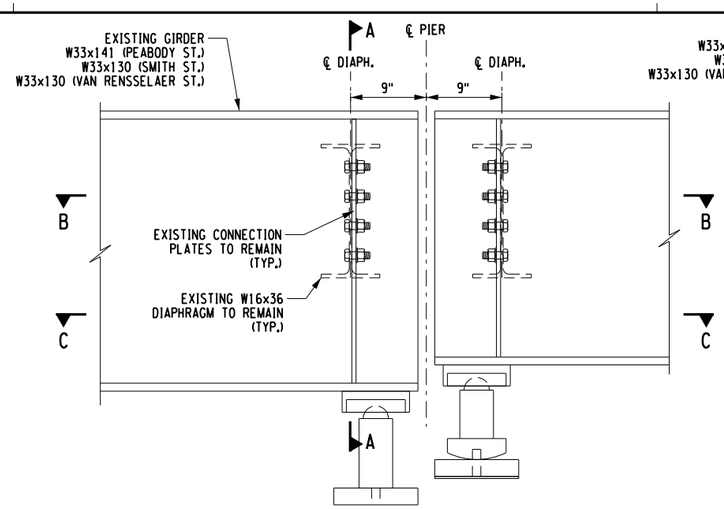
SECTION C-C
N.T.S.



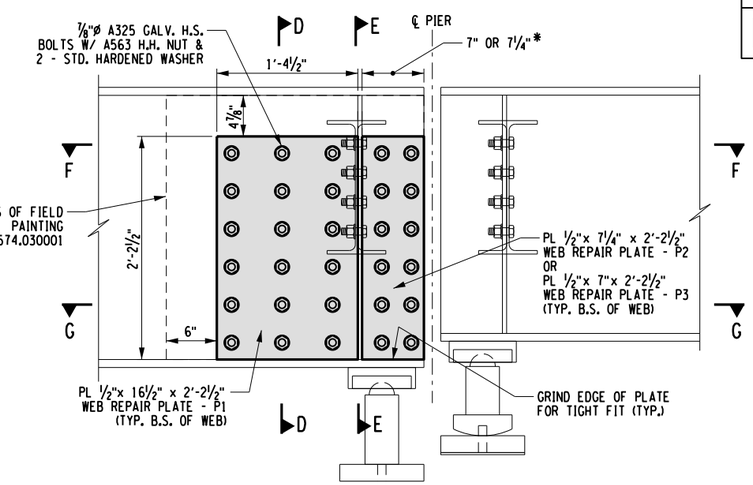
SECTION F-F
N.T.S.



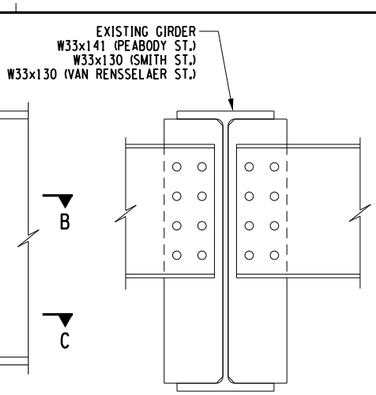
SECTION G-G
N.T.S.



EXISTING ELEVATION - GIRDER END WEB REPAIR
(LOOKING SOUTH)
N.T.S.

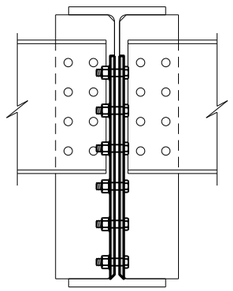


PROPOSED ELEVATION - GIRDER END WEB REPAIR
(LOOKING SOUTH)
N.T.S.

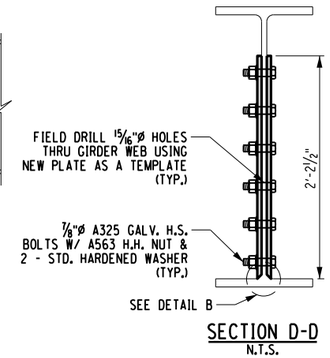


SECTION A-A
N.T.S.

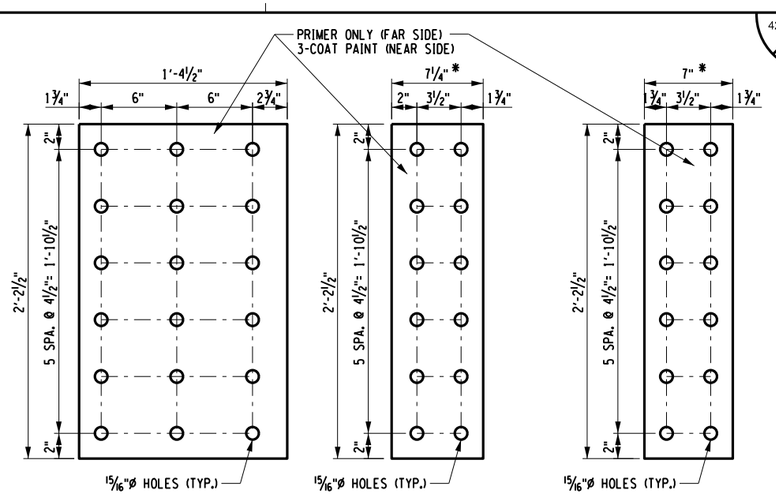
LEGEND	
	STRUCTURAL STEEL ITEM 564.510001



SECTION E-E
N.T.S.



SECTION D-D
N.T.S.

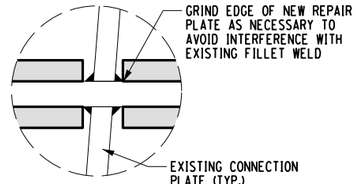


WEB REPAIR PLATE - P1
PL ½"x 16½" x 2'-2½"
(2 REQ'D AT PEABODY ST)
(2 REQ'D AT SMITH ST)
(2 REQ'D AT VAN RENSSELAER ST)
(6 REQ'D TOTAL) (62 LB./EA.)

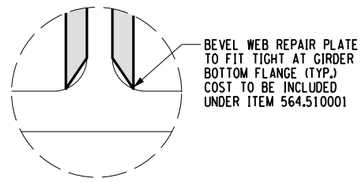
WEB REPAIR PLATE - P2
PL ½"x 7¼" x 2'-2½"
(2 REQ'D AT PEABODY ST ONLY)
(2 REQ'D TOTAL) (27 LB./EA.)

WEB REPAIR PLATE - P3
PL ½"x 7" x 2'-2½"
(2 REQ'D AT SMITH ST)
(2 REQ'D AT VAN RENSSELAER ST)
(4 REQ'D TOTAL) (26 LB./EA.)

* CONTRACTOR TO FIELD VERIFY THE PLATE WIDTH DIMENSIONS PRIOR TO FABRICATION



DETAIL A
N.T.S.



DETAIL B
N.T.S.

NOTES:
1. REFER TO DWG'S ST-1 & ST-2 FOR STEEL REPAIR LOCATIONS AND NOTES.

BRIDGE SKEW	
LOCATION	SKEW ANGLE
PEABODY ST	4.47°
SMITH ST	5.29°
VAN RENSSELAER ST	2.45°

STRUCTURAL STEEL ITEM 564.510001				
BRIDGE OVER	LOCATION	NB (LB)	SB (LB)	TOTAL (LB)
PEABODY ST	SPAN 2	180	-	180
SMITH ST	SPAN 3	-	180	180
VAN RENSSELAER ST	SPAN 2	-	180	180
	SPAN 3	-	-	0
			TOTAL	540

H.S. BOLTS REQUIRED INCLUDED IN ITEM 564.510001				
BRIDGE OVER	LOCATION	NB (EA)	SB (EA)	TOTAL (EA)
PEABODY ST	SPAN 2	30	-	30
SMITH ST	SPAN 3	-	30	30
VAN RENSSELAER ST	SPAN 2	-	30	30
	SPAN 3	-	-	0
			TOTAL	90

FIELD DRILL HOLES IN EXISTING STEEL ITEM 586.10				
BRIDGE OVER	LOCATION	NB (EA)	SB (EA)	TOTAL (EA)
PEABODY ST	SPAN 2	30	-	30
SMITH ST	SPAN 3	-	30	30
VAN RENSSELAER ST	SPAN 2	-	30	30
	SPAN 3	-	-	0
			TYPE 1 REPAIR TOTAL	90

DESIGN SUPERVISOR: D MARSH
DESIGNED BY: S SCHUKRAFT
DRAFTED BY: S SCHUKRAFT
CHECKED BY: E. SWEET

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · LICENSED PROFESSIONAL ENGINEER · 077797 · EXCELSIOR

DETAILS SHOWN ARE FOR PEABODY STREET. REPAIRS FOR SMITH ST AND VAN RENSSELAER ST SIMILAR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

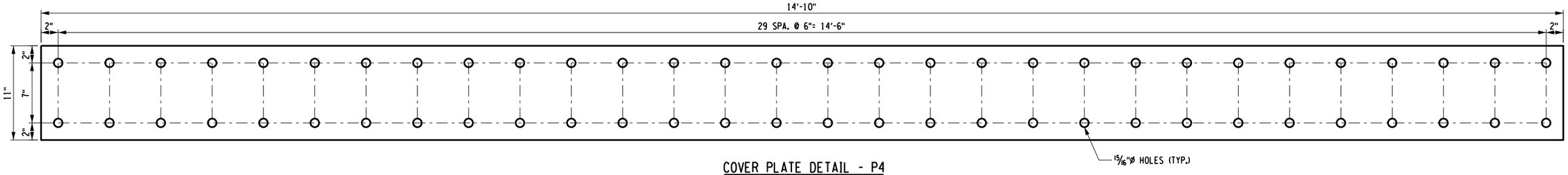
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2025

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 • www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	STEEL REPAIR TYPE 1 GIRDER WEB REPAIR PLATE DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	ST-3

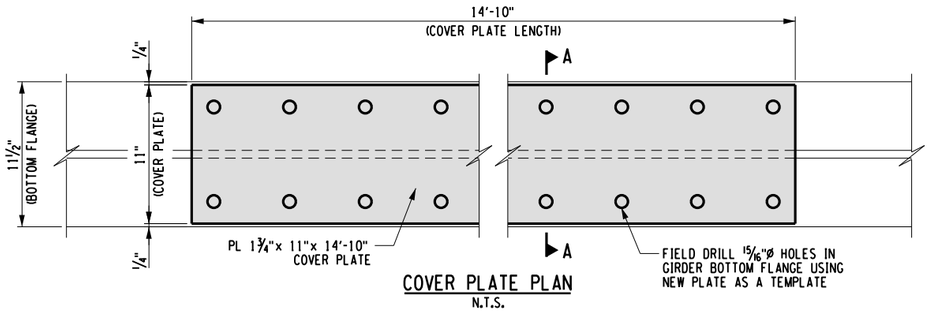


COVER PLATE DETAIL - P4

PL 1¾"x 11"x 14'-10"
(2 REQ'D) (975 LB./EA.)
N.T.S.

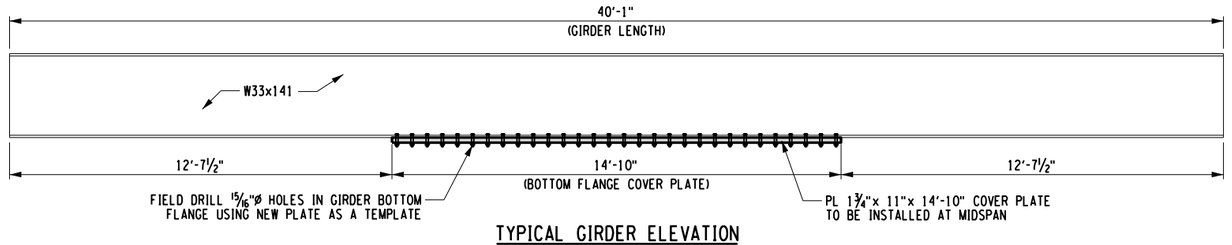
LEGEND

STRUCTURAL STEEL
ITEM 564.510002



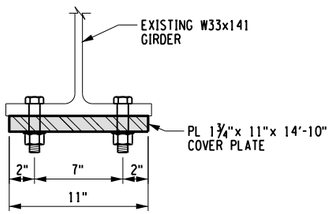
COVER PLATE PLAN

N.T.S.



TYPICAL GIRDER ELEVATION

N.T.S.



SECTION A-A

N.T.S.

FIELD DRILL HOLES IN EXISTING STEEL ITEM 586.10				
BRIDGE OVER	LOCATION	NB (EA)	SB (EA)	TOTAL (EA)
PEABODY ST	SPAN 2	-	-	0
SMITH ST	SPAN 3	-	-	0
VAN RENSSELAER ST	SPAN 2	-	-	0
	SPAN 3	60	60	120
			TYPE 2 REPAIR TOTAL	120

H.S. BOLTS REQUIRED INCLUDED IN ITEM 564.510002				
BRIDGE OVER	LOCATION	NB (EA)	SB (EA)	TOTAL (EA)
PEABODY ST	SPAN 2	-	-	0
SMITH ST	SPAN 3	-	-	0
VAN RENSSELAER ST	SPAN 2	-	-	0
	SPAN 3	60	60	120
			TOTAL	120

STRUCTURAL STEEL ITEM 564.510002				
BRIDGE OVER	LOCATION	NB (LB)	SB (LB)	TOTAL (LB)
PEABODY ST	SPAN 2	-	-	0
SMITH ST	SPAN 3	-	-	0
VAN RENSSELAER ST	SPAN 2	-	-	0
	SPAN 3	975	975	1,950
			TOTAL	1,950

NOTES:

1. REFER TO DWG'S ST-1 & ST-2 FOR STEEL REPAIR LOCATIONS & NOTES.

ALTERED ON:	AFFIXED ON: 12/30/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · ERIC L. ALEXOPOULOS · 077797 · LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

Drawing Copyright © 2026

CHA
2200 Main Place Tower
Buffalo, NY 14202-3722
518.453.4500 | www.chacompanies.com

TITLE OF PROJECT	I-190 HIGHWAY REHABILITATION
LOCATION OF PROJECT	I-190 NIAGARA THRUWAY MP 900.7 TO MP 904.2
TITLE OF DRAWING	STEEL REPAIR TYPE 2 GIRDER BOTTOM FLANGE COVER PLATE DETAILS
CONTRACT NUMBER:	TAN 26-14
DATE:	DEC. 2025
DRAWING NUMBER:	ST-4

DESIGN SUPERVISOR: D.MARSH
DESIGNED BY: S.SCHUKRAFT
DRAFTED BY: S.SCHUKRAFT
CHECKED BY: E.SWEET
CHECKED BY: E.SWEET