

TAA 26-19B

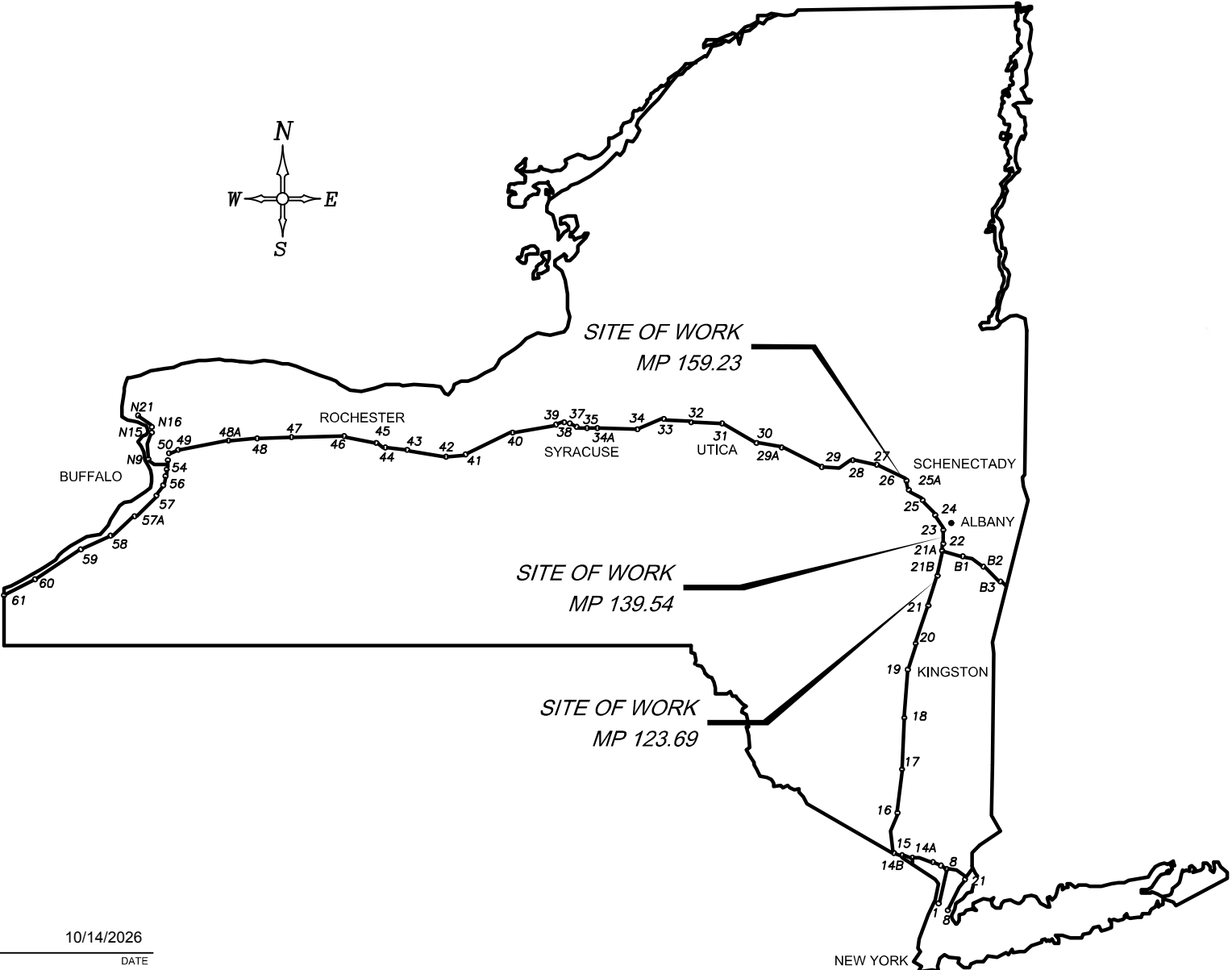


Thruway
Authority

TAA 26-19B

LOCATION	PROJECT LIMITS		CONTRACT LIMITS	
	FROM	TO	FROM	TO
MP 123.69 BRIDGE	BRIDGE @ MP 123.69		WZTC LIMITS	WZTC LIMITS
ROUTE 9W	STA W 0+50 +/-	STA W 3+63 +/-	WZTC LIMITS	WZTC LIMITS
MP 139.54 BRIDGE	BRIDGE @ MP 139.54		WZTC LIMITS	WZTC LIMITS
GLENMONT ROAD	STA 9+39 +/-	STA 11+77 +/-	WZTC LIMITS	WZTC LIMITS
MP 159.23 BRIDGE	BRIDGE @ MP 159.23		WZTC LIMITS	WZTC LIMITS
MARIAVILLE ROAD	STA 11+43 +/-	STA 13+72 +/-	WZTC LIMITS	WZTC LIMITS

ALBANY DIVISION
PLANS FOR
BRIDGE REHABILITATION
AT
RT. 9W OVER I-87
MP 123.69 (BIN 1053550),
GLENMONT RD OVER I-87
MP 139.54 (BIN 1022440) AND
MARIAVILLE RD. OVER I-90
MP. 159.23 (BIN 1038760)
IN
GREENE, ALBANY & SCHENECTADY COUNTIES
TAA 26-19B D215098
110 SHEETS



TYPE OF CONSTRUCTION:
BRIDGE SUBSTRUCTURE REPAIRS, JOINT REPLACEMENT, DECK REPAIRS, BEARING REPLACEMENTS, STEEL REPAIRS AND PAINTING OF STRUCTURAL STEEL.

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

BRIDGE MAINTENANCE GUIDELINES
UPON COMPLETION OF THIS PROJECT, THE BRIDGE STRUCTURES REPAIRED, REHABILITATED OR RECONSTRUCTED HEREUNDER SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT AASHTO MANUAL FOR BRIDGE MAINTENANCE, AND THE NEW YORK STATE THRUWAY AUTHORITY MAINTENANCE DIRECTIVES:
BRIDGE MANAGEMENT PROGRAM MD 05-16, BRIDGE MANAGEMENT ACTIVITIES MD 05-3, AND BRIDGE INSPECTION PROGRAM MD 95-5.

SPECIAL MAINTENANCE REQUIREMENTS: NONE

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".

MAINTENANCE JURISDICTION
MUNICIPALITY JURISDICTION INCLUDES APPROACH RAIL, APPROACH PAVEMENT AND SLABS, SHOULDERS, CURBS AND WEARING SURFACE.

100% AUTHORITY
ALL OTHER BRIDGE ELEMENTS NOT LISTED ABOVE.

PREPARED AND RECOMMENDED BY:

DATE 09-30-2026
JOSEPH ADAMCZAK, P.E.
N.Y. P.E. LICENSE NO. 071411
BRIDGE DEPARTMENT MANAGER
GPI
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.451.9431 GPI.NET.COM

DIG SAFELY NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

BRIDGE M.P.	AUTHORITY	MUNICIPALITY
RT. 9W M.P. 123.69	SPLIT WITH MUNICIPALITY	NYSDOT
GLENMONT RD M.P. 139.54	SPLIT WITH MUNICIPALITY	NYSDOT
MARIAVILLE RD. M.P. 159.23	SPLIT WITH MUNICIPALITY	NYSDOT

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:

DESIGNED BY:
DIRECTOR, OFFICE OF DESIGN
96911BB0CE9E4EB...
DATE 10/14/2026

DESIGNED BY:
DIVISION DIRECTOR
BD37459BF08F47B...
DATE 10/13/2026

SIGNED BY:
TRAFFIC ENGINEER
A7201EA3D452495...
DATE 10/13/2026

DESIGNED BY:
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT
4BC1093E37334B1...
DATE 10/13/2026

DESIGNED BY:
CHIEF MAINTENANCE AND OPERATIONS OFFICER
6F8FB43262FF414...
DATE 10/13/2026

DESIGNED BY:
CHIEF ENGINEER
381E8D8499844A7...
DATE 10/19/2026

TAA 26-19B

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CIUCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT	E	ELECTRIC
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
BK	BACK	ASPH	ASPHALT	G	GAS
Ⓚ	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
Ⓒ	CENTERLINE	BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER	HYD	HYDRANT
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE	LP	LIGHT POLE
EQ	EQUALITY	CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
EXT	EXTERNAL	CR	COUNTY ROAD	PP	POWER POLE
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE	SA	SANITARY SEWER
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY	ST	STORM SEWER
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT	T	TELEPHONE
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
PC	POINT OF CURVATURE	FP	FENCE POST	TMH	TELEPHONE MANHOLE
PI	POINT OF INTERSECTION	FD	FOUNDATION	CTV	CABLE TELEVISION
POL	POINT ON LINE	FL	FENCE LINE	W	WATER
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
PT	POINT OF TANGENT	GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
PVC	POINT OF VERTICAL CURVE	HO	HOUSE	SUBSURFACE EXPLORATION	
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	ABBR.	DESCRIPTION
R	RADIUS	MB	MAILBOX	REPLACE ABBREVIATION "AB" WITH:	
SC	SPIRAL TO CURVE	MON	MONUMENT	AH	HAND AUGER
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	CP	CONE PENTROMETER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	DA	2¼ INCHES CASED DRILL HOLE
STA	STATION	O/H	OVERHEAD	DM	DRILLING MUD
T	TANGENT LENGTH	P	PARCEL	DN	4 INCHES CASED DRILL HOLE
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT	FH	HOLLOW FLIGHT AUGER
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	PA	POWER AUGER
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PH	PROBE
TOPOGRAPHY (DRAINAGE)		Ⓡ	PROPERTY LINE	PT	PERCOLATION TEST HOLE
		POR	PORCH	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
ABBR.	DESCRIPTION	RR	RAILROAD	TO BE DEFINED AT THE TIME OF EXPLORATION	
BB	BOTTOM OF BANK (STREAM)	RTE	ROUTE	SP	SEISMIC POINT
BC	BOTTOM OF CURB	ROW	RIGHT OF WAY	TP	TEST PIT
BO	BOTTOM OF OPENING	RW	RETAINING WALL	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
CAP	CORRUGATED ALUMINUM PIPE	SH	STATE HIGHWAY	B	BRIDGE
CB	CATCH BASIN	SHLDR	SHOULDER	C	CUT
CIP	CAST IRON PIPE	SPK	SPIKE	D	DAM
Ⓒ STRM	CENTERLINE OF STREAM	ST	STREET	F	FILL
CMP	CORRUGATED METAL PIPE	STK	STAKE	K	CULVERT
CP	CONCRETE PIPE	STY	STORY	W	WALL
CSP	CORRUGATED STEEL PIPE	SW	SIDEWALK	X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE
CULV	CULVERT	TE	TEMPORARY EASEMENT		
DIA	DIAMETER	TO	TEMPORARY OCCUPANCY		
DMH	DRAINAGE MANHOLE	U/G	UNDERGROUND		
DS	DRAINAGE STRUCTURE PIPE	WW	WING WALL		
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				

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft²	SF	SQUARE FEET
YD²	SY	SQUARE YARD
AC	AC	ACRES
YD³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

INDEX		110 SHEETS	
SHEET NO.	DESCRIPTION		DRAWING NO.
1	COVER		COV-1
2	ABBREVIATIONS & INDEX		ABR-1
3	LEGEND (1 OF 2)		LEG-1
4	LEGEND (2 OF 2)		LEG-2
5	STANDARD SHEET LISTING		SS-1
6	GENERAL NOTES (1 OF 2)		GN-1
7	GENERAL NOTES (2 OF 2)		GN-1
8	BAR BENDS		BAR-1
9	CONCRETE REPAIR DETAIL (1 OF 2)		CONC-1
10	CONCRETE REPAIR DETAIL (2 OF 2)		CONC-2
11	WZTC NOTES AND LEGEND		WZN-1
12-59	ROUTE 9W ROAD BRIDGE SHEETS		
60-87	GLENMONT ROAD BRIDGE SHEETS		
88-110	MARIAVILLE ROAD BRIDGE SHEETS		

REVISIONS				 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT RT. 9W, GLENMONT & MARIAVILLE BRIDGES MP 123.69, MP 139.54 & MP 159.23 TITLE OF DRAWING ABBREVIATIONS	CONTRACT NUMBER: TAA 26-19B
DATE	DESCRIPTION	BY	SYM.			DATE: 08/26/2026
						DRAWING NUMBER: ABR-1

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CIUCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

ALIGNMENT			LANDSCAPE			ROADWAY			UTILITIES		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ_P	CLEAR ZONE		UC	CONDUIT, UNDERGROUND
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		UCH	CONDUIT, HANGING
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		UCO	CONDUIT, OVERHEAD
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		UE	ELECTRIC LINE, UNDERGROUND
	BR	RAIL		LAWC	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE		UEH	ELECTRIC LINE, HANGING
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGCN	GUIDE RAIL, CONCRETE BARRIER		UEO	ELECTRIC LINE, OVERHEAD
CONTROL				LFILL_P	FILL LIMIT		RGP_P	GUIDE POST		UES	ELECTRIC, SUBSTATIONS
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UFO	FIBER OPTIC, UNDERGROUND
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UFOH	FIBER OPTIC, HANGING
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UFOO	FIBER OPTIC, OVERHEAD
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UG	GAS, UNDERGROUND
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UGH	GAS, HANGING
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UGO	GAS, OVERHEAD
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRPSS	RAIL, PHOTO, SMALL SCALE		UIC	INFORM CABLE, UNDERGROUND
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UICH	INFORM CABLE, HANGING
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSLP	RAIL, SURVEY, LARGE SCALE		UO	OIL LINE, UNDERGROUND
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT		RRSSS	RAIL, SURVEY, SMALL SCALE		UPBP	POLE, BRACE, PUSH BRACE
	DUD_P	UNDERDRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.	SIGNS				UPGW	POLE, GUY WIRE
ENVIRONMENTAL				MET_P	EASEMENT, TEMPORARY		SBLB	BILLBOARDS		USA	SANITARY SEWER, UNDERGROUND
	EBLHS	BALE, STRAW		META_P	EASEMENT, TEMPORARY, APPROX.		SM	MULTIPLE POST		USAH	SANITARY SEWER, HANGING
	ECT	CURTAIN, TURBIDITY		MF_P	FEE ACQUISITION, W/ ACCESS		SSO	STRUCTURE, OVERHEAD		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EDMC	DAM, COFFER TYPE		MFA_P	FEE ACQUISITION, APPROXIMATE		SSOC	STRUCTURE, OVHD. CANTILEVER		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EDMEC_P	DAM, EARTHEN, CHECK		MFS_P	FEE ACQUISITION, SHAPE	STRIPING				UT	TELEPHONE, UNDERGROUND
	EDMPC_P	DAM, PREFAB, CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS		STB	BROKEN LINE		UTH	TELEPHONE, HANGING
	EDMSC_P	DAM, STONE, CHECK		MHA	HISTORICAL, ACQUISITION		STDB	DOUBLE BROKEN LINE		UTO	TELEPHONE, OVERHEAD
	EFNS	FENCE, SILT		MHB	HIGHWAY BOUNDARY		STDL	DOTTED LINE LONG		UTV	CABLE TV, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HIGHWAY BOUNDARY, FACE OF WALL		STDS	DOTTED LINE SHORT		UTVH	CABLE TV, HANGING
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB	FULL BARRIER LINE		UTVO	CABLE TV, OVERHEAD
	EWAA_P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STH	HATCH LINE		UUU	UNKNOWN, UNDERGROUND
	EWF	WETLAND, FEDERAL		MJCY	JURISDICTION, COUNTY		STPB	PARTIAL BARRIER LINE		UUH	UNKNOWN, HANGING
	EWFS	WETLAND, FEDERAL AND STATE		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDAABOUT, CAT TRACKS		UUO	UNKNOWN, OVERHEAD
	EWM	WETLAND, MITIGATION AREA		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDAABOUT, YIELD LINE		UW	WATER LINE, UNDERGROUND
	EWS	WETLAND, STATE		MJN	JURISDICTION, NATION		STSB	STOP BAR		UWH	WATER LINE, HANGING
				MJPB	JURISDICTION, PUBLIC LANDS		STSE	SOLID, EDGE		UWO	WATER LINE, OVERHEAD
				MJS	JURISDICTION, STATE		STXL	X WALK, LADDER LINE			
				MJT	JURISDICTION, TOWN						
				MJV	JURISDICTION, VILLAGE						
				MPL	PROPERTY LOT LINE						
				MPLA	PROPERTY LOT LINE, APPROXIMATE						
				MSL	SUB LOT LINE						

- THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
- FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
- FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
- 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).
- 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.
- FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPI.NET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W, GLENMONT & MARIAVILLE
BRIDGES MP 123.69, MP 139.54 & MP 159.23

TITLE OF DRAWING
LEGEND
(1 OF 2)

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
LEG-1

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE		DINV	INVERT		IANT_P	ANTENNAS		MDL1P	DEED LINE, TYPE 1		S	SINGLE POST		UEB	ELECTRIC, BOX
	ACOGO	COGO		DS	STRUCTURE, RECTANGULAR		IASCTS	ACCOU. SPEED/COUNT SNSR.S		MDL2P	DEED LINE, TYPE 2		S.P	SINGLE POST, PROPOSED		UEM	ELECTRIC, METER
	ACS	CURVE TO SPIRAL		DSI	STRUCTURE, INVERT		ICABPAD	CABINET & PAD		MDL3P	DEED LINE, TYPE 3		SB.P	BACK TO BACK, PROPOSED		UEMH	ELECTRIC, MANHOLE
	ADPL_P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS		UEPT	ELECTRIC, POLE, TRANS.
	ADPL_P	DETOUR, POINT ON LINE		DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICDPD	CDPD TRANSCEIVER		MDL5P	DEED LINE, TYPE 5		SPM	PARKING METER		UGM	GAS, METER
	AEQN	EQUATION					ICELLT	CELL PHONE TOWER		MEEP	EASEMENT, EXISTING		SRM	REFERENCE MARKERS		UGMH	GAS, MANHOLE
	AEQNAHD	EQUATION AHEAD					ICJB	CONDUIT JACK OR BORING		MEPAP_P	EASEMENT, PERM., APPROX.		SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER
	AEQNBK	EQUATION BACK					ICNTLCAB	CONTROLLER CABINET		MEPP_P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP
	AEVT	EVENT STATION		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICPB	COMMUNICATION PULL BOX		MEPSP_P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE
	APC	POINT OF CURVATURE		DST"X"_P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICTD	CONDUIT TURNING DOWN		MFAP_P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT
	APCC	POINT OF COMPOUND CURVATURE					ICTU	CONDUIT TURNING UP		MFP_P	FEE ACQUISITION, BACK LINE		SRS1	SHLD, INTERSTATE		ULP	LIGHTING, POLE
	API	POINT OF INTERSECTION	ENVIRONMENTAL				ICVTRT	COMM. VEH. ROAD TRANSCEIVER		MFSP_P	FEE ACQUISITION, SHAPE		SRSN2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN
	APOB	POINT OF BEGINNING					IDEFAULT	DEFAULT		MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPP	LIGHTING, POLE, PED.
	APOC	POINT OF CURVATURE		EIOP_P	STR., INLET, OUTLET PROT.		IEZR	E-ZPASS READER		MHBCP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP
	APOE	POINT OF END		EIPGB_P	STR., INLET PROT., GRAVEL BAG		IEZTR	TRANSMITTAL READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER
	APOL	POINT ON LINE		EIPHS_P	STR., INLET PROT., HAY/STRAW		IFOXCAB	FIBER OPTIC X-CONNECT CABINET		MJCP	PT., JURIS. CITY		SRSS4	SHLD, STATE, 4 DIG.		UP	POLE, WITH UTILITY
	APOS	POINT ON SPIRAL		EIPP_P	STR., INLET PROT., PREFAB.		IFUSSPL	FUSION SPLICE		MPBC	PT., BUILDING CORNER				TRAFFIC CONTROL		
	APOT	POINT ON TANGENT		EIPSF_P	STR., INLET PROT., SILT FENCE		IHARADV	HAR ADVISORY SIGN		MPCC	PT., CROSS CUT		TCBJ	BOX, JUNCTION		UPL	POLE, WITH LIGHT
	APOVC	POINT ON VERTICAL CURVE		EIPSF_P	STR., INLET PROT., SILT FENCE		IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBP	BOX, PULL BOX		USMH	SANITARY SEWER MANHOLE
	APOVT	POINT ON VERTICAL TANGENT		ERCB	RISER, CONCRETE BOX		ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBS	BOX, SPLICE		UTB	TELEPHONE, BOOTH
	APORC	POINT ON REVERSE CURVE		ETRS_P	TRAP, SEDIMENT		IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCMC	MICROCOMPUTER CABINET		UTLM	TELEPHONE, LINE MARKER
	APT	POINT OF TANGENCY		EWFG	WETLAND FLAG		IMSCS	PORT. SPEED & COUNT SENSOR		MPIR	PT., IRON ROD		TCPP	PED POLE		UTMH	TELEPHONE, MANHOLE
	APVC	POINT OF VERTICAL CURVATURE	GEOTECHNICAL				IMSCTS	MICRO SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCSH	SIGNAL HEADS		UTVLM	CABLE TV, LINE MARKER
	APVCC	POINT OF VERT. CMPND CURVE					IMT	MICROWAVE TRANSCEIVER		MPMM	PT., MONUMENT, MISC.		TCSP	SIGNAL POLE		UTVPB	CABLE TV, PULL BOX
	APVI	POINT OF VERT. INTERSECTION		GDH	DRILL HOLE		IOVHVS	PERM. OVERHEAD VMS		MPN	PT., NAIL	TRAFFIC WORK ZONE				UUB	UNKNOWN, BOX
	APVRC	POINT OF VERT. REVERSE CURVE		IPASCS	PORT. ACCOU. SPD & CNT. SENSOR		MPRS	PT., RAILROAD SPIKE		UUJB	UNKNOWN, JUNCTION BOX						
	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE				IPEDS	PEDESTRIAN SIGNAL HEAD		MPSP	PT., SPIKE		TWZAP_P	ARROW PANEL		UUMH	UNKNOWN, MANHOLE
	ASC	SPIRAL TO CURVE					IPSS	PAVEMENT SURFACE SENSOR		MPST	PT., STAKE		TWZAPC_P	ARROW PANEL, CAUTION MODE		UUPB	UNKNOWN, PULL BOX
	ASPI	SPIRAL POINT OF INTERSECTION		LELS	ELEVATION, SPOT		IPVMS	PERM. VMS		MPTW	PT., TREE W/ WIRE		TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT		UUVL	UNKNOWN, VALVE
	ASTS	SPIRAL TO SPIRAL		LFP	FLAG POLE		IRM	RAMP METER		MPWL	PT., WALL LOCATION		TWZBCD_P	BARRICADE (TYPE III)		UUVT	UNKNOWN, VENT
	AST	SPIRAL TO TANGENT		LMB	MAILBOX		IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION				TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)		UUW	UNKNOWN, WELL
	ATS	TANGENT TO SPIRAL		LPB	PAPER BOX		ISP	SOLAR PANEL					TWZFLG_P	FLAGGER		UWFH	WATER, FIRE HYDRANT
	AVEVT	VERTICAL EVENT POINT		LPST	POST, SINGLE		ISST	SPREAD SPECT. TRANSCEIVER		MFS_P.T	FEE ACQUISITION		TWZFT_P	FLAG TREE		UWM	WATER, METER
	AVHIGH	VERTICAL HIGH POINT		LRB	ROCK, BOULDER		ITDB	TELEPHONE DEMARCATION BLK		MEPS_P.T	EASEMENT, PERMANENT		TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)		UWMH	WATER, MANHOLE
	AVLOW	VERTICAL LOW POINT		LSHC	SHRUB, CONIFEROUS		ITP	SUBSURFACE TEMP. PROBE		METS_P.T	EASEMENT, TEMPORARY		TWZLUM_P	LUMINAIRE (TEMPORARY)		UWV	WATER, VALVE
BRIDGE				LSHD	SHRUB, DECIDUOUS		IVTRT	VEHICLE TO RDWY TRANSCEIVER		METS_P.T	OCCUPANCY, TEMPORARY		TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC		UWW	WATER, WELL
				LTC	TREE, CONIFEROUS		IWMD	WEIGHT IN MOTION DETECTOR		MFS_P.T	FEE ACQUISITION W/O ACCESS		TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR			
CONTROL				LTD	TREE, DECIDUOUS		IWVR	WIRELESS VIDEO REPEATER		TWZSGN_P	SIGN (TEMPORARY)						
				LTS	TREE, STUMP		IWVRC	WIRELESS VIDEO RECEIVER		TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)						
				LTW_P	TREE, WELL OR WALL		IWVTT	WIRELESS VIDEO TRANSMITTER		RES_P	ELEVATION, SPOT		TWZWL_P	WARNING LIGHT			
	LUKP	UNKNOWN POINT								RGA	GUIDE RAIL, ANCHOR		TWZWV_P	WORK VEHICLE			
										RGP	GUIDE POST, SINGLE		TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR			
	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															

REVISIONS

DATE	DESCRIPTION	BY	SYM.

Thruway
Authority

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT

CONTRACT
TAA

REVISIONS

DATE	DESCRIPTION	BY	SYM.

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPI.NET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W, GLENMONT & MARIAVILLE
BRIDGES MP 123.69, MP 139.54 & MP 159.23

TITLE OF DRAWING
LEGEND
(2 OF 2)

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
LEG-2

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

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)
	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
	TA 203-02	Slope Flattening Details
	TA 404-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 404-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 404-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guide rail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	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
X	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
X	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
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	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
	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
	TA 619-21	Short-Duration Double Lane Closure
	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
	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)
X	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	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)
	TA 619-35	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	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
	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
	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
	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>

REV. 05/25

Highway Work Type

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

MILEPOST FROM:							
TO:							
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:							
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:							

Structure Work Type

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

MILEPOST:	123.69	139.54	159.23				
PROJECT TYPE							
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System							
Protective Screening							
Painting	X	X	X				
Steel Repair	X	X					
Wearing Surface Treatment							
Deck Repairs	X	X	X				
Joint Rehabilitation							
Joint Replacement	X	X	X				
Bearing Rehabilitation							
Bearing Replacement	X						
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation	X	X	X				
Electrical							
Cathodic Protection System							
Fendor or Pier Protection System							
Deck Replacement							
Superstructure Replacement							
Bridge Replacement							
Added Bridge (New Location)							
Abandoned Bridge							
Other:							

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/business-standards-usc>

REVISIONS						Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54, & MP 159.23	CONTRACT NUMBER: TAA 26-19B
DATE	DESCRIPTION	BY	SYM.				LOCATION OF PROJECT RT. 9W, GLENMONT, & MARIAVILLE BRIDGES MP 123.69, MP 139.54, & MP 159.23	DATE: 8/26/2026
							TITLE OF DRAWING STANDARD SHEETS LISTING	DRAWING NUMBER: SS-1

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CIUCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

GENERAL NOTES:

- DESIGN SPECIFICATIONS: NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES WITH ALL PROVISIONS IN EFFECT AS OF AUGUST 1, 2026 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: f'_c = 4,000 psi, STEEL REINFORCEMENT: 60 ksi.)
- CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF AUGUST 1, 2026.
- THIS BRIDGE, INCLUDING EXISTING ELEMENTS AND THOSE REPAIRED OR REPLACED UNDER THIS CONTRACT, SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT VERSION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.
- THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION;
- DESIGN LIVE LOAD: HS 20 OR TWO 24,000 LB. AXLES SPACED 4 FEET ON CTRS.
- 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 PROPORTIONAL AND ARE FULLY DIMENSIONED.
- ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN U.S. CUSTOMARY UNITS.
- RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE THROUGH THE NEW YORK STATE THRUWAY AUTHORITIES WEBSITE.
- ALL DRAWINGS AND CALCULATIONS SUBMITTED BY THE CONTRACTOR FOR ENGINEER REVIEW SHALL BE IN PDF FORMAT AND SHALL BE EITHER 8 1/2"x11" OR 11"x17" WITH TEXT SIZE NO SMALLER THAN 1/16". SUBMISSIONS ILLEGIBLE WHEN PRINTED ON PAPER WILL BE REJECTED. FULL SIZE AND PAPER SUBMISSIONS SHALL NOT BE ACCEPTED OR REVIEWED. ALL DRAWINGS AND CALCULATIONS SHALL NOTE THE DESIGNER AND CHECKER. THE DESIGNER SHALL NOT CHECK THEIR OWN WORK. 11"x17" DRAWINGS SHALL HAVE A BLANK SPACE THAT IS EITHER 2 1/2"x5 1/2" OR 3 1/2"x3 1/2" FOR PLACEMENT OF THE REVIEWER'S STAMP. 8 1/2"x11" DRAWINGS SHALL HAVE AN APPROVAL COVER SHEET IF SPACE FOR THE STAMP DOES NOT FIT ON THE ACTUAL DRAWING.

SUBSTRUCTURE NOTES:

- THE COST OF ALL JOINT MATERIAL AND WATERSTOPS AT CONCRETE CONSTRUCTION JOINTS, CONTRACTION AND EXPANSION JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.
- ALL SURFACES OF SUBSTRUCTURES SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.03 PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON EXISTING CONCRETE SURFACES AND BRIDGE DECKS.

REMOVAL NOTES:

- SUPERSTRUCTURE (OR SUBSTRUCTURES) REMOVAL NOTES: LIMITS AND METHODS FOR THE REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL MEET THE PROVISIONS OF 202-3.01 GENERAL, OF THE NYSDOT STANDARD SPECIFICATIONS CONSTRUCTION AND MATERIALS. THE COST OF PAINT REMOVAL SHALL BE INCLUDED IN THE UNIT PRICEBID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THESE UBSTRUCTURE REMOVAL ITEM). PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEM(S). WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.
- LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE SATISFIED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM.) THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVEMENTIONED CONDITION, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.
- CONTRACTOR SHALL SEQUENCE AND PERFORM SUBSTRUCTURE REPAIR WORK IN A MANNER THAT MAINTAINS THE STRUCTURAL INTEGRITY AND STABILITY OF THE EXISTING STRUCTURE AT ALL TIMES. REPAIR OPERATIONS SHALL NOT REMOVE, DISTURB, OR OTHERWISE COMPROMISE STRUCTURAL ELEMENTS TO THE EXTENT THAT THE CAPACITY, STABILITY, OR SUPPORT OF THE STRUCTURE IS REDUCED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEQUENCING AND MEANS AND METHODS OF CONSTRUCTION NECESSARY TO MAINTAIN THE STRUCTURAL INTEGRITY AND STABILITY OF THE STRUCTURE DURING THE WORK. PRIOR TO COMMENCING SUBSTRUCTURE REPAIR WORK, CONTRACTOR SHALL SUBMIT A PROPOSED ORDER OF OPERATIONS TO THE ENGINEER FOR REVIEW AND APPROVAL. WHERE TEMPORARY SUPPORT OR BRACING IS SPECIFICALLY SHOWN IN THE CONTRACT DOCUMENTS, SUCH SUPPORT OR BRACING SHALL BE PROVIDED AS SHOWN.

REHABILITATION NOTES:

- THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- 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 STRUCTURAL STEEL ITEMS.
- 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.
- 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.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE 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.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE AUTHORITY.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.
- THE DETAILS SHOWN IN THE CONTRACT PLANS INDICATE THE SPALLS, SCALES AND CRACKS NOTED FROM A FIELD INSPECTION BY THE DESIGNER. ALL MAJOR AREAS OF SPALLING, SCALING, AND CRACKING KNOWN TO EXIST AT THE TIME OF CONTRACT PREPARATION HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION REQUIRING REPAIRS BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER ACCESS TO ALL PIER SURFACES FOR SOUNDING. THE ENGINEER WILL DETERMINE AND MARK OUT FINAL REMOVAL LIMITS. THE ENGINEER WILL SUBMIT LABELED DIGITAL PHOTOS OF THE PIER TO THE ENGINEER-IN-CHARGE (E.I.C.) ALONG WITH THE CONTRACTOR'S PROPOSED REMOVAL AND REPLACEMENT SEQUENCE FOR APPROVAL. A MINIMUM OF 10 CALENDAR DAYS SHALL BE ALLOWED FOR REVIEW AND APPROVAL. REMOVAL OF CONCRETE SHALL NOT COMMENCE WITHOUT AN APPROVED REMOVAL PLAN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE REMOVAL AND REPLACEMENT CONCRETE ITEMS.
- AREAS OF CONCRETE DETERIORATION SHALL BE REPAIRED USING ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE AS SHOWN IN THE PLANS OR AS ORDERED BY THE ENGINEER.
- ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED. PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED THEN PRE-WET FOR 12 HOURS. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE REPAIR ITEMS IN THE CONTRACT.
- SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE NYSDOT STEEL CONSTRUCTION MANUAL (SCM) TO THE ENGINEER FOR APPROVAL FOR THE FOLLOWING STRUCTURAL STEEL REPLACEMENT ITEMS:
ITEM 564.5100NN - STRUCTURAL STEEL
- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
- THE CONTRACTOR SHALL KEEP ALL BRIDGE DRAINS CLEAN AND FREE FLOWING DURING THE LIFE OF THE CONTRACT. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS SUPERSTRUCTURE ITEMS IN THE CONTRACT.
- CONDUIT CAUTION NOTE:
CONDUITS MAY BE PRESENT IN THE STRUCTURAL SLABS, BARRIERS, PARAPETS, OR SIDEWALKS OF THE BRIDGES RECEIVING NEW OR REHABILITATED JOINT SYSTEMS. THEIR EXISTENCE AND LOCATIONS SHALL BE FIELD VERIFIED. IF CONDUITS ARE PRESENT AND ENCOUNTERED DURING CONSTRUCTION OPERATIONS, CARE SHALL BE EXERCISED NOT TO DAMAGE THE CONDUITS, EXPANSION COUPLINGS, OR CONTENTS OF CONDUITS. ANY DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER, AT NO COST TO THE AUTHORITY.

UTILITY NOTES:

- CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING UTILITIES LOCATED ON THESE STRUCTURES. EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED FROM DAMAGE DURING ALL CONTRACTOR OPERATIONS. CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK AND SHALL PROVIDE ALL NECESSARY SUPPORT AND PROTECTION AS NEEDED.
- IF THE CONTRACTOR OR ITS OPERATION DAMAGES AN EXISTING UTILITY FACILITY SERVICE, CAUSING AN INTERRUPTION IN SAID SERVICE, ALL WORK OPERATIONS SHALL CEASE UNTIL THE SERVICES ARE RESTORED. WORK TO RESTORE SERVICE SHALL BE TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE AUTHORITY.
- IN ADDITION TO THOSE UTILITIES CARRIED BY THESE STRUCTURES, THE CONTRACTORS ATTENTION IS DRAWN TO THE PRESENCE OF OVERHEAD HIGH VOLTAGE ELECTRIC LINES THAT MAY BE IN PROXIMITY TO EACH OF THESE BRIDGES. CONTRACTOR SHALL PLAN THEIR OPERATIONS ACCORDINGLY.

ALTERED ON:	AFFIXED ON: 09/30/2026
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.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT RT. 9W, GLENMONT & MARIAVILLE BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026
	TITLE OF DRAWING GENERAL NOTES (1 OF 2)	DRAWING NUMBER: GN-1



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CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

ROUTE 9W MP 123.69 (BIN 1053550) NOTES:

SUPERSTRUCTURE STEEL NOTES:

1. FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE ESTIMATE OF TOTAL WEIGHT IS AS FOLLOWS:
- | ITEM | ESTIMATE OF TOTAL WEIGHT | BIN |
|------------|--------------------------|---------|
| 564.510001 | 4,000 POUNDS | 1053550 |
- THE ESTIMATE OF TOTAL WEIGHT SHALL BE USED TO DOCUMENT THE ENGINEER'S ESTIMATED AMOUNT OF STRUCTURAL STEEL REQUIRED FOR THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THESE WEIGHTS BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THESE WEIGHTS AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND THE ESTIMATE OF TOTAL WEIGHT SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.
2. FOR ADDITIONAL NOTES ON STEEL REPAIRS AND PAINTING FOR THIS STRUCTURE, SEE DWG. NO. ST1-7.

SURVEY NOTES:

3. RECORD PLAN ELEVATIONS ORIGINALLY DRAWN IN NGVD29 VERTICAL DATUM. THIS PLAN SET SHOWS ALL ELEVATIONS TRANSFORMED TO NAVD88 VERTICAL DATUM USING -0.78 FT AT THIS SITE COMPUTED USING NOAA'S ONLINE VERTICAL DATUM TRANSFORMATION SOFTWARE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ELEVATIONS IN THE FIELD FOR ACCURACY.

PEDESTAL NOTES:

4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TOP OF PEDESTAL ELEVATIONS PRIOR TO CASTING NEW PEDESTALS AND INSTALLING THE NEW BEARINGS.
5. THE BEARINGS WERE DESIGNED BASED ON PEDESTAL ELEVATIONS TAKEN FROM THE RECORD PLANS. INSTALLATION OF SHIM PLATES TO ADJUST BEARING HEIGHTS IS ALLOWED TO ACCOUNT FOR THE DIFFERENCE BETWEEN RECORD PLAN PEDESTAL ELEVATIONS AND FIELD CONDITIONS. A SINGLE SHIM PLATE SHALL BE USED IN LIEU OF MULTIPLE PLATES WHENEVER POSSIBLE. SHIM PLATE THICKNESS SHAL BE 3/8" MINIMUM. THE COST OF FURNISHING AND INSTALLING SHIM PLATES FOR ADJUSTING BEARING HEIGHTS SHALL BE INCLUDED IN THE RESPECTIVE BEARING ITEMS. THIS IN A CONTINGENCY ITEM THAT WILL ONLY BE PAID IF ACTUAL FIELD CONDITIONS CONFLICT WITH THE CONTRACT DOCUMENTS. THE SHIM PLATE MATERIAL SHALL BE CONSIDERED A MINOR ITEM AND THE UNIT PRICE BID IS NOT SUBJECT TO RENEGOTIATION IF THE QUANTITY VARIES FROM THE ESTIMATED QUANTITY. OFF SITE FABRICATION INSPECTION WILL BE WAIVED FOR THE SHIM MATERIAL. MATERIAL CERTIFICATION AND DOCUMENTATION SHALL BE SUBMITTED TO THE ENGINEER FOR ACCEPTANCE OF THE MATERIAL.

ASBESTOS NOTES:

6. MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT THE ROUTE 9W BRIDGE (MP 123.69). THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURE(S) AND/OR ENCOUNTERED DURING FIELD INSPECTIONS. ALL KNOWN ASBESTOS CONTAINING MATERIALS HAVE BEEN INDICATED IN THE CONTRACT DOCUMENTS.
7. IF PREVIOUSLY UNIDENTIFIED SUSPECT MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES THAT WERE NOT INCLUDED IN THIS INVESTIGATION, WORK IN THE IMMEDIATE AREA SHOULD BE SUSPENDED AND THE MATERIAL EVALUATED BY A NYSOL CERTIFIED ASBESTOS INSPECTOR. IF ASBESTOS-CONTAINING MATERIALS ARE CONFIRMED, ABATEMENT WILL BE PERFORMED BY A NYSOL LICENSED ASBESTOS CONTRACTOR IN ACCORDANCE WITH 12 NYCRR PART 56 AND APPLICABLE NYSOT SPECIFICATIONS..

WORK TO BE DONE:

8. JOINT REPLACEMENT, FULL DEPTH DECK REPAIRS, BEARING REPLACEMENT, STEEL REPAIRS, PEDESTAL REPAIRS, SPOT BRIDGE PAINTING, SUBSTRUCTURE REPAIRS, SEALING OF EXPOSED CONCRETE SURFACES INCLUDING SUBSTRUCTURES, SUPERSTRUCTURE, AND APPROACH SLABS.

GLENMONT RD MP 139.54 (BIN 1022440) NOTES:

SUPERSTRUCTURE STEEL NOTES:

1. FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE ESTIMATE OF TOTAL WEIGHT IS AS FOLLOWS:
- | ITEM | ESTIMATE OF TOTAL WEIGHT | BIN |
|------------|--------------------------|---------|
| 564.510002 | 4,500 POUNDS | 1022440 |
- THE ESTIMATE OF TOTAL WEIGHT SHALL BE USED TO DOCUMENT THE ENGINEER'S ESTIMATED AMOUNT OF STRUCTURAL STEEL REQUIRED FOR THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THESE WEIGHTS BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THESE WEIGHTS AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND THE ESTIMATE OF TOTAL WEIGHT SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.
2. FOR ADDITIONAL NOTES ON STEEL REPAIRS AND PAINTING FOR THIS STRUCTURE, SEE DWG. NO. ST2-7.

SURVEY NOTES:

3. RECORD PLAN ELEVATIONS ORIGINALLY DRAWN IN NGVD29 VERTICAL DATUM. THIS PLAN SET SHOWS ALL ELEVATIONS TRANSFORMED TO NAVD88 VERTICAL DATUM USING -0.73 FT AT THIS SITE COMPUTED USING NOAA'S ONLINE VERTICAL DATUM TRANSFORMATION SOFTWARE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ELEVATIONS IN THE FIELD FOR ACCURACY.

ASBESTOS NOTES:

4. IN A SAMPLING OF SUSPECTED BUILDING MATERIALS COLLECTED ON FEBRUARY 11TH 2026, AND TESTED IN A LABORATORY, IT WAS DETERMINED THAT ASBESTOS CONCENTRATIONS WERE NOT IDENTIFIED ON THIS STRUCTURE.

WORK TO BE DONE:

5. JOINT REPLACEMENT, FULL DEPTH DECK REPAIRS, STEEL REPAIRS, FULL STEEL PAINTING, SUBSTRUCTURE REPAIRS, SEALING OF EXPOSED CONCRETE SURFACES INCLUDING SUBSTRUCTURES, SUPERSTRUCTURE, AND APPROACH SLABS.

MARIAVILLE RD MP 159.23 (BIN 1038760) NOTES:

SUPERSTRUCTURE STEEL NOTES:

1. FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE ESTIMATE OF TOTAL WEIGHT IS AS FOLLOWS:
- | ITEM | ESTIMATE OF TOTAL WEIGHT | BIN |
|------------|--------------------------|---------|
| 564.510003 | 4,000 POUNDS | 1038760 |
- THE ESTIMATE OF TOTAL WEIGHT SHALL BE USED TO DOCUMENT THE ENGINEER'S ESTIMATED AMOUNT OF STRUCTURAL STEEL REQUIRED FOR THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THESE WEIGHTS BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THESE WEIGHTS AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND THE ESTIMATE OF TOTAL WEIGHT SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.

STEEL PAINTING NOTES:

2. THE STRUCTURAL STEEL FOR THIS BRIDGE SHALL BE CLEANED AND REPAINTED. IN GENERAL, THIS INCLUDES ALL GIRDERS, DIAPHRAGMS, CONNECTIONS, AND BEARINGS OR AS OTHERWISE NOTED IN THE PLANS. IT IS ANTICIPATED THAT A SIGNIFICANT PORTION OF THE STRUCTURAL STEEL WILL REQUIRE NEAR WHITE METAL BLAST CLEANING IN ACCORDANCE WITH THE NYS STANDARD SPECIFICATION ITEM 573 - STRUCTURAL STEEL PAINTING; FIELD APPLIED TOTAL REMOVAL.
3. THE NEW FINISH COLOR SHALL CONFORM TO STANDARD SPECIFICATION 708-05. FINISH COAT COLOR SHALL BE "SAGE GREEN" (MUNSELL 7.5 GY 5/4). VIEWING SHALL BE DONE UNDER NORTHERN STANDARD DAYLIGHT. THERE IS 13,145 SQUARE FEET OF PAINTED STRUCTURAL STEEL ON THIS BRIDGE.
4. THE COST OF ALL CLEANING, SURFACE PREPARATION, PRIMING, AND PAINTING FOR ALL NEW AND EXISTING STEEL SHALL BE PAID FOR UNDER 573.010002 - STRUCTURAL STEEL PAINTING; FIELD APPLIED.
5. PAINT SYSTEM MUST BE FROM NYSDOT APPROVED LIST AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE MANUFACTURER'S CERTIFICATION STATING THAT THE PAINT MEETS THESE REQUIREMENTS.
6. ALL COATINGS SHALL BE APPLIED IN A NEAT, WORKMANLIKE MANNER. COATINGS SHALL BE APPLIED UNIFORMLY AND SHALL BE FREE OF RUNS, SAGS, DRIPS, OR OTHER DEFECTS.
7. CLASS A CONTAINMENT SHALL BE PROVIDED FOR PAINT REMOVAL AND CLEANING OPERATIONS FOR THE ENTIRE BRIDGE STRUCTURE WITHIN THE LIMITS OF WORK. CONTAINMENT SHALL FULLY ENCLOSE THE WORK AREA AND SHALL PREVENT THE RELEASE OF PAINT, DUST, DEBRIS, AND OTHER MATERIALS GENERATED BY THE WORK. THE COST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING THE CONTAINMENT SYSTEM SHALL BE INCLUDED IN ITEM 570.150002.
8. LIMITS AND METHODS OF REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.01D AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF ANY PAINT REMOVAL OR PAINT STRIPPING REQUIRED SHALL BE INCLUDED IN UNIT PRICE OF THE APPLICABLE STEEL REPAIR ITEM. PAINT WASTE SHALL BE COLLECTED FOLLOWING THE REQUIREMENTS OF THE ENVIRONMENTAL GROUND PROTECTION, AND PAINT WASTE SHALL BE DISPOSED OF FOLLOWING THE REQUIREMENTS OF SECTION 571 - DISPOSAL OF PAINT REMOVAL WASTE.
9. PAINTING OPERATIONS SHALL BE COMPLETED AFTER REQUIRED STEEL REPAIRS HAVE BEEN MADE. NEW GALVANIZED STEEL SIGN SUPPORT STRUCTURE SHALL NOT BE PAINTED.

STEEL GALVANIZING NOTES:

10. ALL STRUCTURAL SIGN STRUCTURE STEEL SHALL BE HOT-DIP GALVANIZED. THE HOT-DIP GALVANIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 564.20010008 - HOT-DIP GALVANIZING OF STRUCTURAL STEEL.
11. REASONABLE ACCOMMODATIONS FOR THE PREVENTION OF WET STORAGE STAINING (WHITE RUST) OF HOT-DIP GALVANIZED (HDG) MATERIALS SHALL BE PROVIDED AT ALL TIMES. STORAGE OF HDG MATERIALS OUTDOORS SHOULD BE AVOIDED. STORAGE (OR SHIPPING) OF HDG MATERIALS IN CONTACT WITH ONE ANOTHER SHALL BE AVOIDED. IF OUTDOOR STORAGE IS UNAVOIDABLE, EXAMPLES OF REASONABLE ACCOMMODATIONS ARE AS FOLLOWS: STORE MATERIALS OFF OF THE GROUND AWAY FROM ALL VEGETATION, USE NON- RESINOUS WOODEN SPACERS TO ALLOW VENTILATION AND AVOID MOISTURE BUILD UP, INCLINE MEMBERS TO ALLOW DRAINAGE. EXAMPLES OF NON- RESINOUS WOODS ARE: POPLAR, ASH AND SPRUCE. WHITE RUST THAT IS DETERMINED TO BE DETRIMENTAL TO THE INTENDED USE OF THE MEMBER OR HAVE A NEGATIVE VISUAL IMPACT ON THE STRUCTURE SHALL BE REPAIRED IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL. WHITE RUST THAT IS DETERMINED TO BE CAUSED BY IMPROPER STORAGE OR SHIPPING OF HDG MATERIALS SHALL BE REPAIRED AT NO COST TO THE STATE.

SURVEY NOTES:

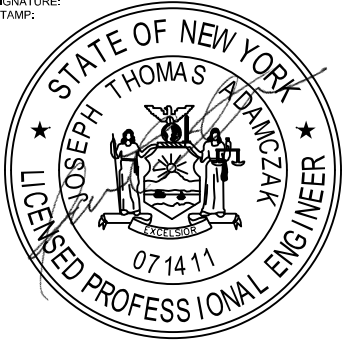
12. RECORD PLAN ELEVATIONS ORIGINALLY DRAWN IN NGVD29 VERTICAL DATUM. THIS PLAN SET SHOWS ALL ELEVATIONS TRANSFORMED TO NAVD88 VERTICAL DATUM USING -0.52 FT AT THIS SITE COMPUTED USING NOAA'S ONLINE VERTICAL DATUM TRANSFORMATION SOFTWARE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ELEVATIONS IN THE FIELD FOR ACCURACY.

ASBESTOS NOTES:

13. IN A SAMPLING OF SUSPECTED BUILDING MATERIALS COLLECTED ON FEBRUARY 11TH 2026, AND TESTED IN A LABORATORY, IT WAS DETERMINED THAT ASBESTOS CONCENTRATIONS WERE NOT IDENTIFIED ON THIS STRUCTURE.

WORK TO BE DONE:

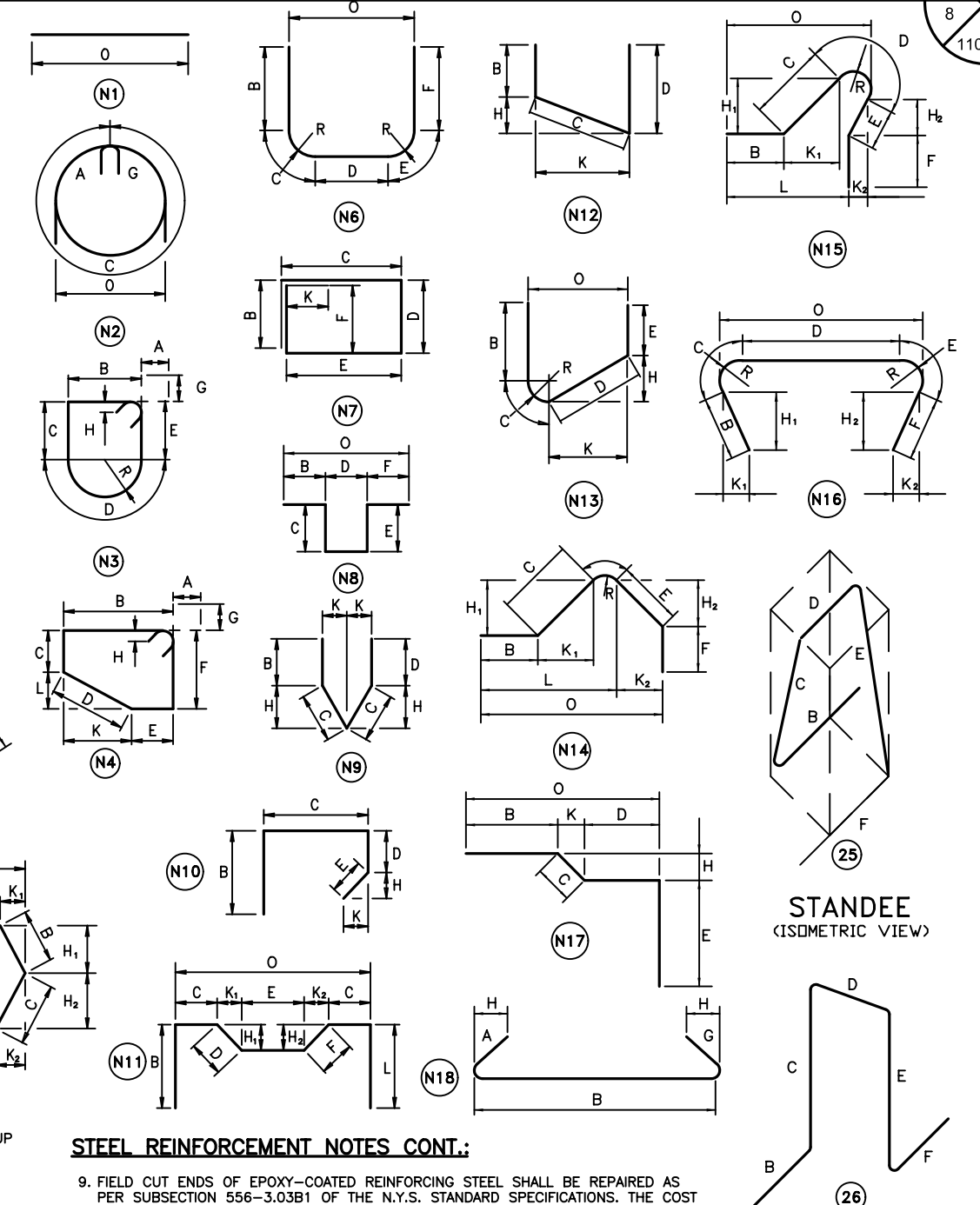
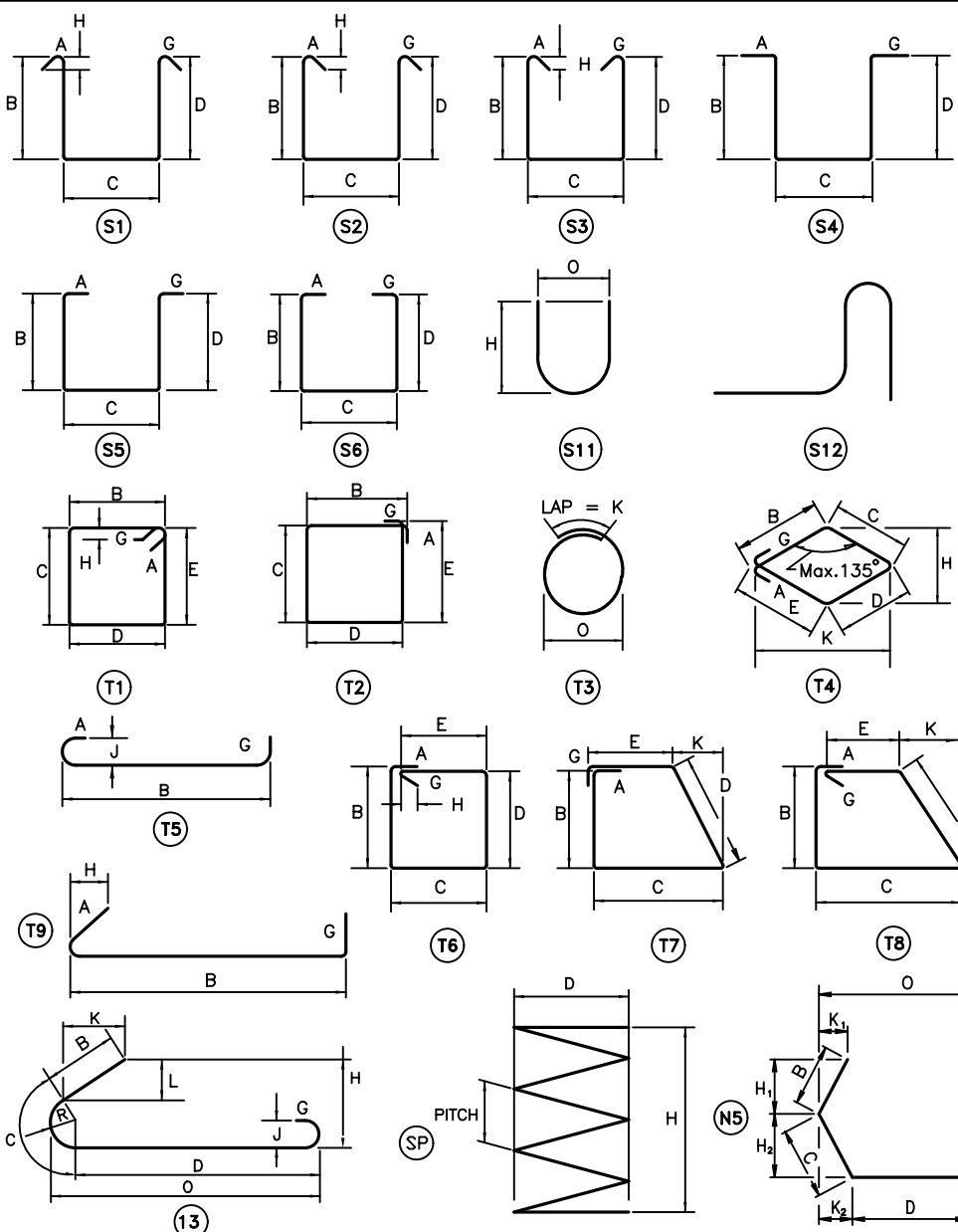
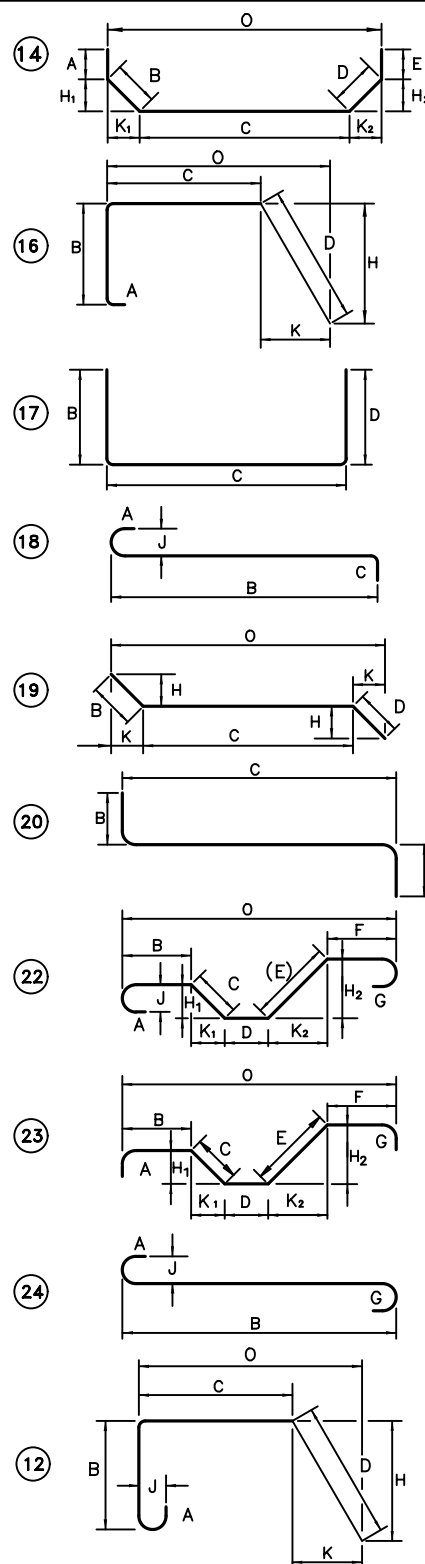
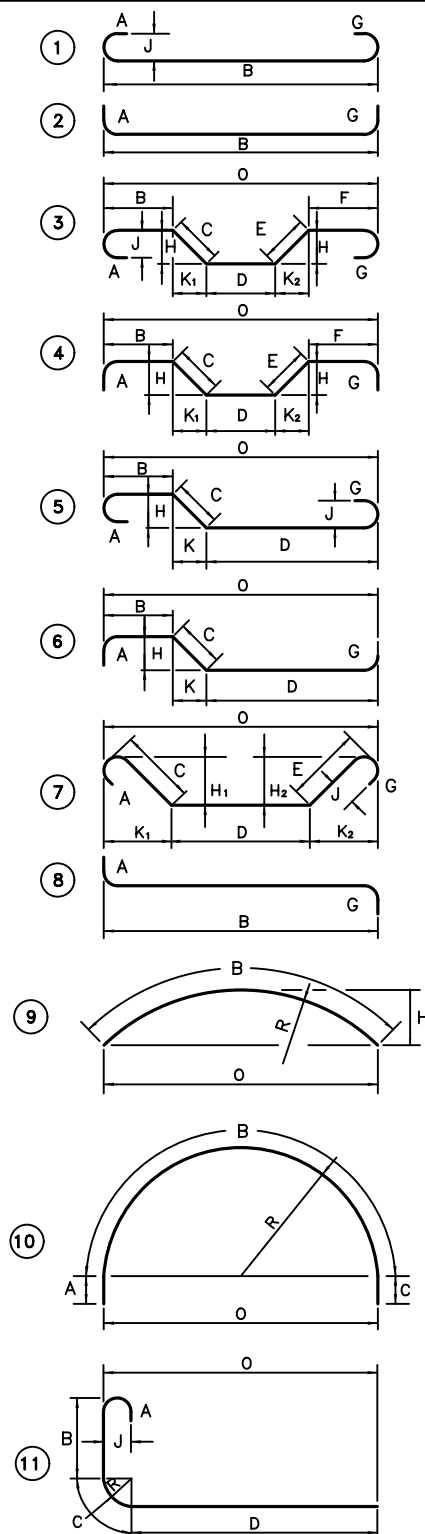
14. JOINT REPLACEMENT, FULL DEPTH DECK REPAIRS, STEEL REPAIRS, FASCIA MOUNTED SIGN STRUCTURE REPLACEMENT, FULL BRIDGE PAINTING, SUBSTRUCTURE REPAIRS, SEALING OF EXPOSED CONCRETE SURFACES INCLUDING SUBSTRUCTURES, SUPERSTRUCTURE, AND APPROACH SLABS.

ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
		LOCATION OF PROJECT RT. 9W, GLENMONT & MARIAVILLE BRIDGES MP 123.69, MP 139.54 & MP 159.23	DATE: 08/26/2026
	Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING GENERAL NOTES (2 OF 2)	DRAWING NUMBER: GN-2



STEEL REINFORCEMENT NOTES:

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", ASTM A615-06a. ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED P.I.N. DIAMETER "D" OF BENDS HOOKS AND OTHER STANDARD PRACTICES SEE ACI-318-05 & THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICES" (MSP).
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED ON THE BARLIST.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
- DIMENSIONS "A", "G" AND "J" ARE STANDARD BENDING DIMENSIONS PER EACH SIZE OF BAR. REFER TO C.R.S.I. - M.S.P. FOR DETAILS.
- WHERE SLOPE DIFFERS FROM 45°, DIMENSIONS "H" AND "K" MUST BE SHOWN ON BARLIST.
- ▲ - INDICATES BARS TO CUT TO FIT IN THE FIELD.

STEEL REINFORCEMENT NOTES CONT.:

- FIELD CUT ENDS OF EPOXY-COATED REINFORCING STEEL SHALL BE REPAIRED AS PER SUBSECTION 556-3.03B1 OF THE N.Y.S. STANDARD SPECIFICATIONS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 556.0202.
- ITEM FOR REINFORCING STEEL IS AS FOLLOWS:
556.0202 - EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES.
- BAR MARK PROCEDURE IS AS FOLLOWS:
5P1E03
 - SEQUENTIAL BAR NUMBER.
 - INDICATES BAR COATING (E=EPOXY)
 - INDICATES BAR LOCATION (IE. P1=PIER 1, J=JOINT)
 - INDICATES BAR SIZE (IE. 5,6,7,ETC.)
- BAR MARKS SHOULD NORMALLY INCREASE IN SEQUENTIAL NUMBER AND SIZE FROM SMALLEST TO LARGEST AT EACH LOCATION.
- "*" - INDICATES BAR MARK IS OUT OF SEQUENCE.

STANDEE
(ISOMETRIC VIEW)

STANDEE
(ISOMETRIC VIEW)

ALTERED ON:

SIGNATURE:

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AFFIXED ON:

09/30/2026

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EXPIRATION: 05/31/27

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

GPI

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518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W, GLENMONT & MARIVILLE
BRIDGES MP 123.69, MP 139.54 & MP 159.23

TITLE OF DRAWING
BAR BENDS

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
BAR-1

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CIUCCIO

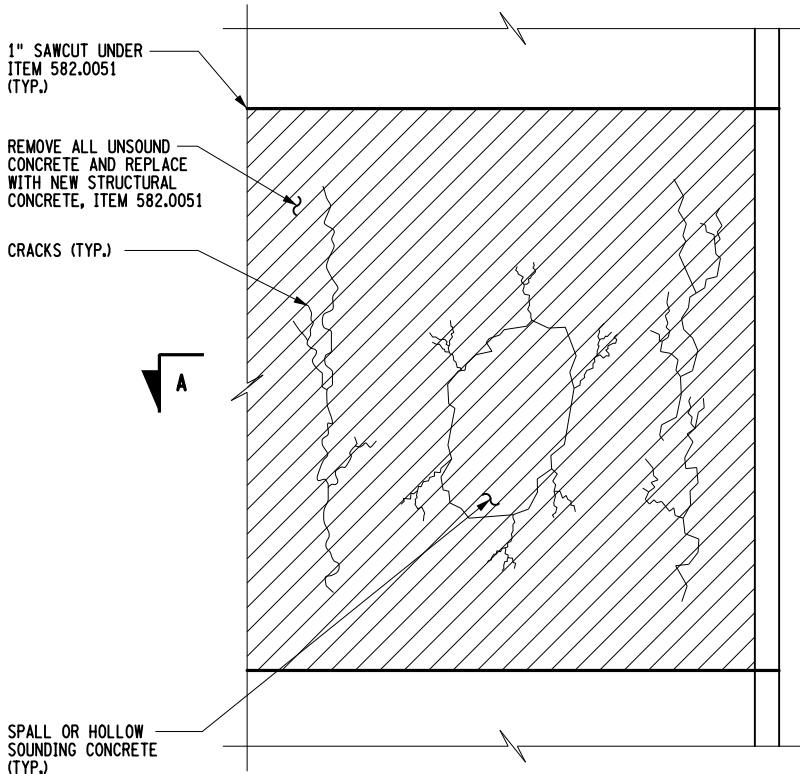
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

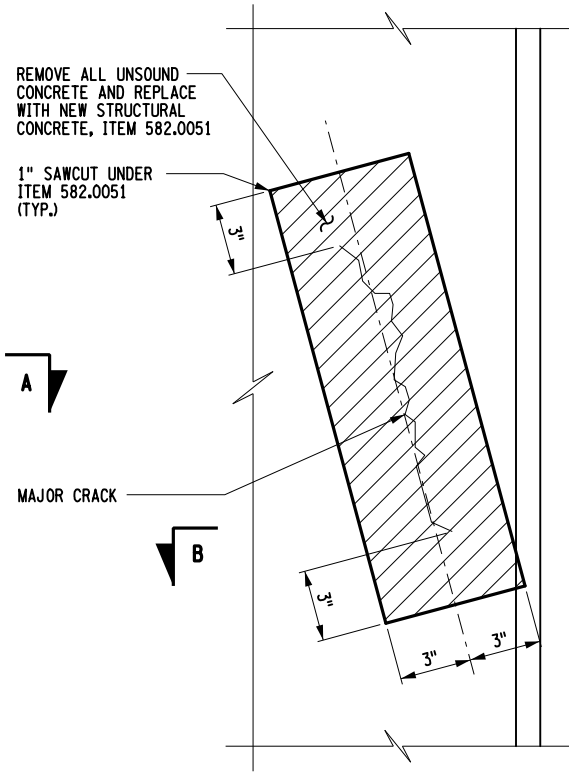
DESIGN SUPERVISOR: J. ADAMCZAK

CONCRETE REPAIR NOTES:

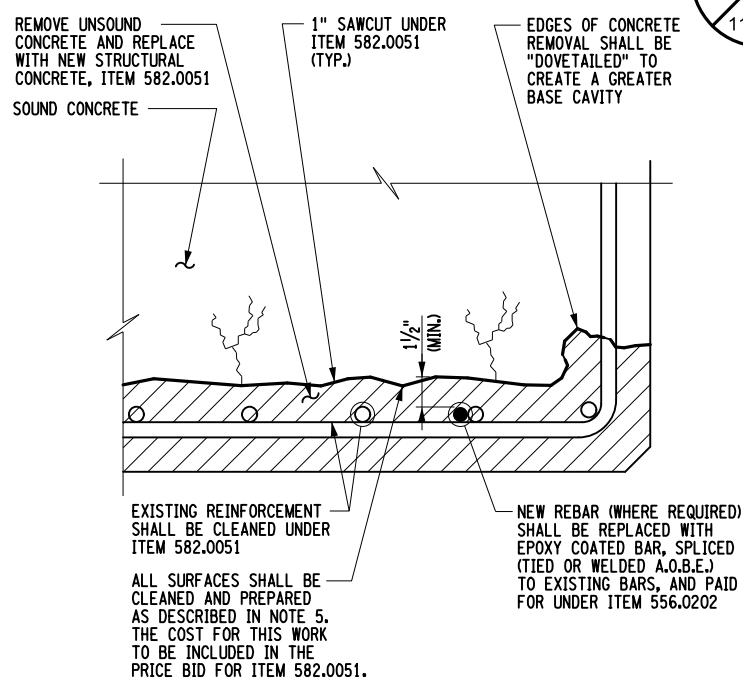
- FOR GENERAL NOTES, SEE DWG. NO. GN-1.
- SUBSTRUCTURE DETERIORATION REQUIRING REPAIR HAS BEEN INDICATED ON THE CONTRACT PLANS HAS BEEN DETERMINED BY A FIELD INSPECTION. ALL OF THE MAJOR AREAS KNOWN TO EXIST AT THE TIME HAVE BEEN SHOWN TO INDICATE EXTENT OF DETERIORATION THAT WILL HAVE TO BE PREPARED BY CONTRACTOR.
- THE ANTICIPATED EXTENT OF CONCRETE REPAIR HAS BEEN INDICATED ON THE CONTRACT PLANS. THE PROJECT ENGINEER SHALL EXAMINE THE SUBSTRUCTURE CONCRETE AND ESTABLISH THOSE AREAS OF REPAIR TO BE MADE WITH PERFORMANCE ENGINEERED MIXTURE (PEM) PORTLAND CEMENT CONCRETE. THE EXTENT OF CONCRETE REPAIR TO BE MADE SHALL BE APPROVED BY THE PROJECT ENGINEER.
- DETERIORATED REINFORCEMENT SHALL BE REPLACED OF LIKE SIZE AND LIKE COATING. AT THE MINIMUM TIED SPlice LAP SHALL BE 30 BAR DIAMETERS OR AS REFERENCED IN SECTION 15.5.2 OF THE NYSOT BRIDGE MANUAL. WHICHEVER IS GREATER OR A WELDED SPlice SHALL BE PROVIDED, (SEE WELDED SPlice DETAILS IN THIS DWG.) IF WELDED, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
- WHEN JOINING FRESH CONCRETE TO NEW CONCRETE WHICH HAS ALREADY BEEN SET, OR TO EXISTING CONCRETE, THE CONCRETE IN PLACE SHALL HAVE ITS SURFACE SCOURED OR ABRADED WITH A SUITABLE TOOL TO REMOVE ALL LOOSE AND FOREIGN MATERIALS. THIS SURFACE SHALL BE SCRUBBED WITH WIRE BROOMS. AFTER SURFACE PREPARATION HAS BEEN ACCEPTED, THIS SURFACE SHALL BE THOROUGHLY WET AND KEPT SO FOR A PERIOD OF 12 HOURS IMMEDIATELY PRIOR TO PLACING THE NEW CONCRETE. THIS MAY BE ACCOMPLISHED BY CONTINUOUS WETTING WITH SOAKER HOSES OR THE USE OF BURLAP/ BURLINE/ETC. SO THAT THE MOISTURE CAN BE MAINTAINED. IF, IN THE OPINION OF THE ENGINEER, CONDITIONS OR THE SITUATION PROHIBITS THIS, THEN THE SURFACE SHALL BE WETTED FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL REMOVE ANY PUDDLES OR FREE STANDING WATER WITH OIL FREE COMPRESSED AIR AND PROTECT THE SURFACE FROM DRYING SO THAT THE EXISTING CONCRETE REMAINS IN A CLEAN, SATURATED, SURFACE DRY CONDITION UNTIL PLACEMENT OF THE NEW CONCRETE. IMMEDIATELY BEFORE PLACING THE NEW CONCRETE, THE FORMS SHALL BE DRAWN TIGHT AGAINST THE CONCRETE ALREADY IN PLACE.
- AT ALL CONCRETE REMOVAL LOCATIONS, THE MINIMUM DEPTH OF REMOVAL SHALL BE NO LESS THAN 1/2" BEHIND THE INNERMOST LAYER OF EXPOSED REINFORCING BARS, OR TO SOUND CONCRETE, WHICHEVER IS GREATER.
- WHERE CONCRETE REMOVAL AND REPLACEMENT NECESSITATES ADJACENT SEPARATE CONCRETE PLACEMENTS, CONCRETE REMOVAL SHALL NOT BE ALLOWED WITHIN 1'-0" OF ADJACENT REPAIR AREAS. ADJACENT AREAS WHERE THIS 1'-0" BUFFER IS NOT ATTAINABLE SHALL BE COMBINED INTO A SINGLE REPAIR AREA.
- IN SEQUENCING WORK, THE CONTRACTOR SHALL NOT BEGIN CONCRETE REMOVAL AT A LOCATION ADJACENT TO A COMPLETED REPAIR AREA UNTIL A MINIMUM OF 7 CURING DAYS HAVE PASSED.
- A PROTECTIVE OR COATING SEALER FOR CONCRETE SHALL BE APPLIED TO ALL EXPOSED SUBSTRUCTURE CONCRETE SURFACES.
- THE EXTENT OF CONCRETE REMOVAL FOR ANY COMPONENT SHALL NOT JEOPARDIZE ITS STRUCTURAL INTEGRITY. THE CONTRACTOR SHALL HIRE A NEW YORK STATE LICENSED ENGINEER TO PROVIDE A REMOVAL PLAN AND SCHEDULE OF DETERIORATED CONCRETE. THE PLAN AND SCHEDULE SHALL BE REVIEWED AND APPROVED BY THE NYSTA PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- ALTHOUGH THE DEPTH OF REMOVAL TO SOUND CONCRETE MAY, AT SOME LOCATIONS, EXTEND TO DEPTHS GREATER THAN 5", IT IS THE INTENT OF THIS PROJECT THAT THE CONTRACTOR SHALL MAKE ALL THE NECESSARY REPAIRS WITH PERFORMANCE ENGINEERED MIXTURE (PEM) PORTLAND CEMENT CONCRETE PER ITEM 582.0051.
- THE MINIMUM TIED SPlice LAP SHALL BE 30 BAR DIAMETERS OR AS REFERENCED IN SECTION 15.5.2 OF THE NYSOT BRIDGE MANUAL, WHICHEVER IS GREATER.



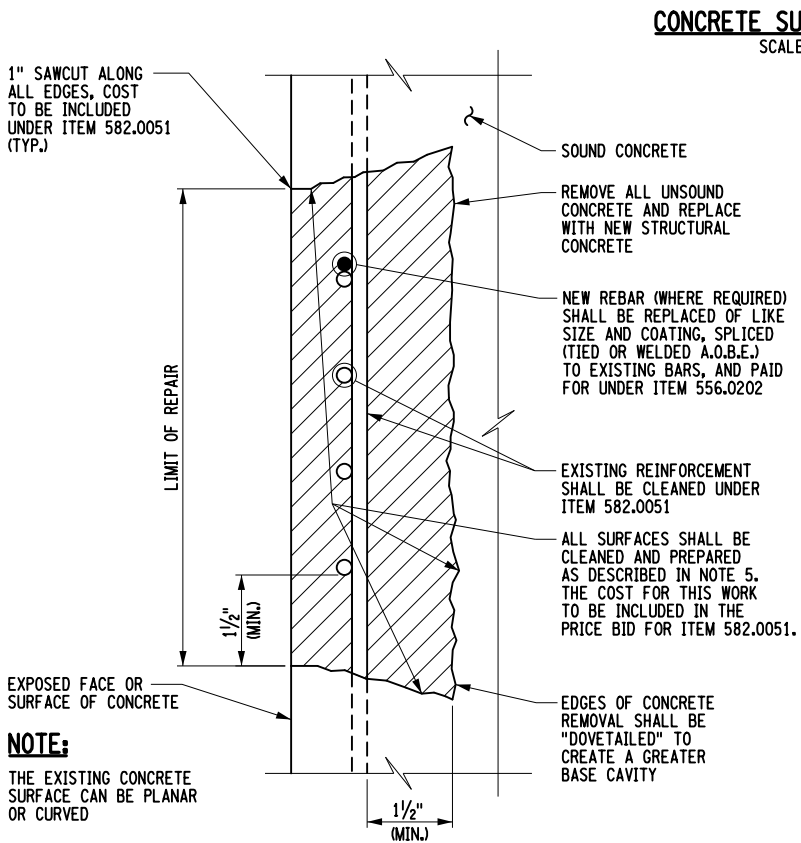
CONCRETE DETERIORATION REPAIR



CONCRETE CRACK REPAIR

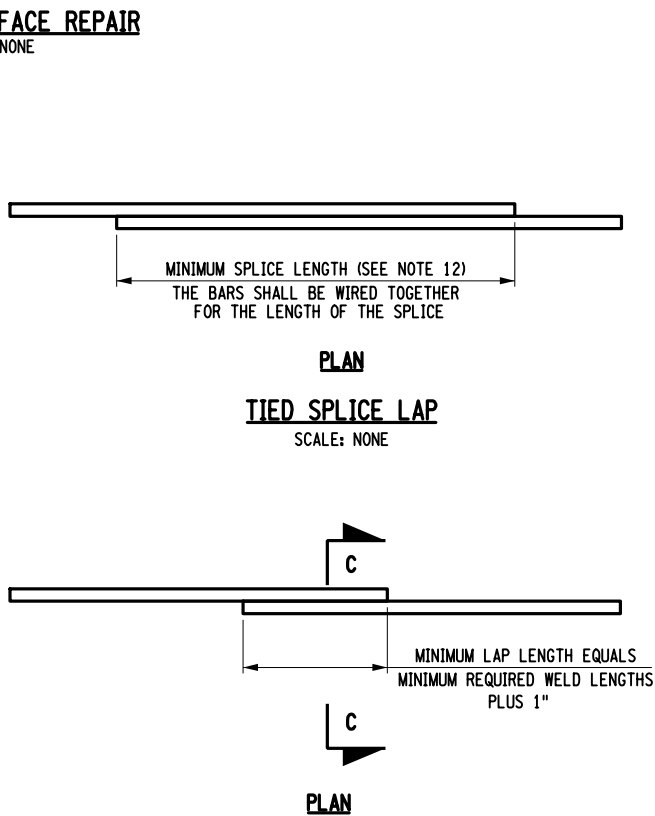


SECTION A-A
SECTION B-B SIMILAR
SCALE: NONE



TYPICAL CONCRETE REPAIR SECTION

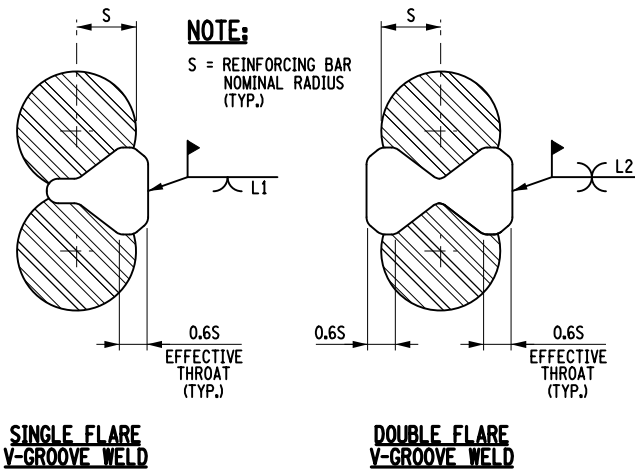
SCALE: NONE



WELDED SPlice LAP

SCALE: NONE

MINIMUM WELD LENGTHS		
BAR SIZE	SINGLE FLARE L1 V-GROOVE WELD	SINGLE FLARE L2 V-GROOVE WELD
5	4"	2 1/2"
6	4 1/2"	2 3/4"
7	5"	3"
8	5 1/2"	3 1/4"
9	6"	3 1/2"



SECTION C-C

SCALE: NONE

ALTERED ON:	AFFIXED ON:
	09/30/2026
SIGNATURE:	SIGNATURE:
STAMP:	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.

	Thruway Authority	TITLE OF PROJECT: REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
		LOCATION OF PROJECT: RT. 9W, GLENMONT & MARIAVILLE BRIDGES MP 123.69, MP 139.54 & MP 159.23	DATE: 08/26/2026
		TITLE OF DRAWING: CONCRETE REPAIR DETAILS (1 OF 2)	DRAWING NUMBER: CONC-1



TRANSITION POST DETAIL



SCALE: NONE

SCALE: NONE



SCALE: NONE



SCALE: NONE



SCALE: NONE

1. FOR "CONCRETE REPAIR NOTES", SEE DWG. NO CONC-1

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

**Thruway
Authority**

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT	REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT	RT. 9W, GLENMONT & MARIAVILLE BRIDGES MP 123.69, MP 139.54 & MP 159.23

TITLE OF DRAWING

CONCRETE REPAIR DETAILS
(2 OF 2)

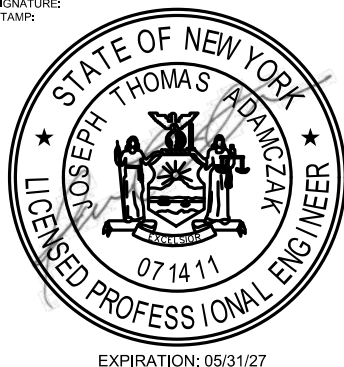
CONTRACT NUMBER:

TAA 26-19F

DATE: _____

DRAWING NUMBER:

CONC-2



EXPIRATION: 05/31/27

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

GENERAL NOTES:

1. WORK ZONE TRAFFIC CONTROL (WZTC) FOR ROUTE 9W (US-9W), GLENMONT ROAD, AND MARIAVILLE ROAD SHALL BE PROVIDED IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NYS SUPPLEMENT TO THE MUTCD, THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATION SECTION 619, AND THE NYSDOT STANDARD SHEETS, EXCEPT WHERE MODIFIED BY THE CONTRACT PLANS AND PROPOSAL.
2. WORK ZONE TRAFFIC CONTROL (WZTC) FOR NEW YORK STATE THRUWAY INTERSTATE 87 SHALL BE PROVIDED IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NEW YORK STATE THRUWAY AUTHORITY (NYSTA) STANDARD SHEETS, THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATION SECTION 619, AND THE NYSTA ADDENDUM TO THE STANDARD SPECIFICATIONS, EXCEPT WHERE MODIFIED BY THE CONTRACT PLANS AND PROPOSAL. TRAFFIC IS TO BE MAINTAINED IN STRICT COMPLIANCE WITH THE CHARTS ENTITLED "LANE CLOSURE CHARTS". SEE NYSTA STANDARD SHEETS TA 619-31 AND TA 619-32.
3. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SOUND CONTROL AND NOISE LEVEL RULES, REGULATIONS AND ORDINANCES THAT APPLY TO ANY WORK PERFORMED UNDER THE CONTRACT.

THRUWAY MAINLINE NOTES:

1. THE CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH ITEM 619.01 AND THE TRAFFIC CONTROL SHEETS. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 107, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE LATEST REVISIONS OF THE STANDARD SPECIFICATIONS REFERENCED IN THE PROJECT "PROPOSAL". EXCEPT AS MODIFIED IN THESE PLANS AND/OR BY CHANGES SET FORTH IN THE PROJECT "PROPOSAL".
2. WHEN POSSIBLE, LANE CLOSURE TAPERS SHALL BE ESTABLISHED AWAY FROM CONFLICT POINTS, SUCH AS RAMPS. LANE CLOSURE TAPERS MUST ORIGINATE AT LOCATIONS TO PROVIDE OPTIMAL VISIBILITY.
3. THE PROPOSED LANE CLOSURE SCHEDULE FOR EACH WEEK SHALL BE SUBMITTED TO THE ENGINEER AT LEAST ONE WEEK IN ADVANCE AND SHALL INCLUDE LAYOUTS AND SIGNING.
4. THE MINIMUM AVAILABLE TRAVEL WAY WIDTH MADE AVAILABLE AT ALL TIMES SHALL BE 11 FT. OR AS APPROVED BY THE NYSTA.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES THROUGHOUT THE PROJECT AREA AT ALL TIMES. ALL EXISTING HIGHWAY MEDIAN TURNAROUND AREAS SHALL REMAIN OPEN FOR EMERGENCY VEHICLE USE, EXCEPT AS MODIFIED IN THESE PLANS AND/OR BY CHANGES SET FORTH IN THE PROJECT "PROPOSAL".

CHANGING WZTC SCHEMES:

1. WHEN IT IS NECESSARY TO CHANGE THE LANES THAT ARE CLOSED TO TRAFFIC, THE CONTRACTOR SHALL BE REQUIRED TO FIRST REMOVE ALL DRUMS, CONES, SIGNS, ARROWS, AND THE LIKE SO THAT ALL LANES ARE OPEN BEFORE THE NEW SCHEME IS SET IN PLACE. THIS METHOD MAY BE MODIFIED BY THE ENGINEER, AS NECESSARY.
2. WHEN REOPENING TRAVEL LANES TO TRAFFIC, THE CONTRACTOR SHALL START BY REMOVING THE CONES AT THE FAR END OF THE LANE CLOSURE AND WORK TOWARDS THE SIGNS AT THE BEGINNING OF THE LANE CLOSURE. THE SIGNS ARE NOT TO BE TAKEN DOWN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN REMOVED.

CONSTRUCTION VEHICLE NOTES:

1. DURING NON-WORKING HOURS, ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AT LEAST 30 FT FROM THE EDGE OF PAVEMENT OR BE PROTECTED BY A GUIDE RAIL SYSTEM APPROVED BY THE ENGINEER.
2. PRIVATE VEHICLES OWNED BY THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL NOT BE PARKED ON THE PAVEMENT, OR SHOULDERS, OR ANY OTHER AREAS DEEMED BY THE ENGINEER TO BE HAZARDOUS LOCATIONS.
3. DRIVING AGAINST TRAFFIC AT ANY TIME, REGARDLESS OF WHETHER THE AREA HAS BEEN CLOSED TO TRAFFIC, SHALL NOT BE PERMITTED, EXCEPT FOR TRAFFIC DRUM PICKUP, AND AS SPECIFICALLY PERMITTED BY THE ENGINEER.
4. ESCORT VEHICLES EQUIPPED WITH A ROTATING AMBER LIGHT OR AN OPERATING ARROW PANEL SHALL BE REQUIRED WHEN TRANSPORTING SLOW -MOVING CONSTRUCTION EQUIPMENT ALONG ANY PORTION OF THE ROADWAY OPEN TO TRAFFIC.

ROADSIDE HAZARD NOTES:

1. EXISTING GUIDE RAIL SHALL REMAIN IN PLACE UNTIL CONSTRUCTION ACTIVITIES NECESSITATE REMOVAL. NEW GUIDE RAIL SHALL BE INSTALLED WITHIN 14 DAYS IN ACCORDANCE WITH SECTION 619-3.02.E. DELINEATION AND DROP-OFF PROTECTION SHALL BE AS SPECIFIED IN SECTION 619 WORK ZONE TRAFFIC CONTROL.

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.

NIGHTTIME CONSTRUCTION NOTES:

1. THE CONTRACTOR IS ADVISED THAT THE MARIAVILLE RD OVERHEAD SIGN STRUCTURE WORK DURING THIS CONTRACT IS EXPECTED TO BE COMPLETED DURING NIGHTTIME CLOSURES. COORDINATE WORK HOURS WITH THE AUTHORITY.
2. THE CONTRACTOR SHALL PROVIDE LIGHTING FOR ALL NIGHTTIME OPERATIONS IN ACCORDANCE WITH ITEM 619.24 - NIGHTTIME OPERATIONS.
3. THE CONTRACTOR SHALL SUBMIT A NIGHTTIME CONSTRUCTION PROCEDURE PLAN, AND LIGHTING PLAN FOR APPROVAL BY THE ENGINEER.
4. PRIOR TO ANY NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL CONDUCT A NIGHTTIME MOCK RUN OF THEIR PROPOSED LIGHTING SCHEME WHICH SHALL BE VIEWED BY THE ENGINEER FOR APPROVAL. NIGHTTIME WORK SHALL NOT BE SCHEDULED TO COMMENCE ON THIS NIGHT.

FLASHING ARROW PANELS:

1. FLASHING ARROW PANELS SHALL COMPLY WITH SECTION 729-15 OF THE STANDARD SPECIFICATIONS.
2. THE COST OF THE FLASHING ARROW PANEL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.

PORTABLE VARIABLE MESSAGE SIGNS (PVMS):

1. THE CONTRACTOR IS TO COORDINATE THE PROPOSED LOCATIONS AND MESSAGES WITH THE ENGINEER, THRUWAY SAFETY AND NYSDOT REG 1 TRAFFIC SAFETY.
2. ASSUME FOUR (4) PROPOSED PVMS LOCATIONS PER BRIDGE SITE (TWO (2) ON THE LOCAL ROAD & TWO (2) ON THE THRUWAY MAINLINE). PAID UNDER ITEM 619.110513.

TEMPORARY TRAFFIC SIGNALS:

1. THE CONTRACTOR SHALL COORDINATE ALL UTILITY INVOLVEMENT AND/OR CONFLICTS WITH THE APPROPRIATE UTILITY COMPANIES.
2. THE CONTRACTOR SHALL STAKE OUT AND VERIFY ALL COMPONENTS OF THE TEMPORARY TRAFFIC SIGNAL SYSTEM PRIOR TO INSTALLATION. THE ENGINEER SHALL APPROVE THE FINAL PLACEMENT.
3. NO CHANGES IN THE DESIGNED TEMPORARY SIGNAL OPERATION OR TIMING PLAN SHALL BE PERMITTED WITHOUT APPROVAL OF THE PROJECT ENGINEER. A REST-IN-RED CONDITION SHALL BE REQUESTED FOR ALL SIGNAL PHASES.
4. PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE TEMPORARY TRAFFIC SIGNAL SYSTEM, AN ON-SITE, PRE-CONSTRUCTION MEETING SHALL TAKE PLACE. ATTENDEES SHALL INCLUDE THE ENGINEER, PRIME CONTRACTOR, APPROPRIATE SUB CONTRACTORS AND APPROPRIATE UTILITY COMPANIES.
5. PRIOR TO SIGNAL ACTIVATION, A FUNCTIONAL TEST OF THE TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE PERFORMED TO DEMONSTRATE THAT EVERY PART OF THE SIGNAL SYSTEM OPERATES SATISFACTORILY. THE FUNCTIONAL TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND THE TRAFFIC SIGNAL CREW ENGINEER IN CHARGE. TIMING AND CLEARANCE INTERVALS WILL BE DETERMINED AT THE MEETING.
6. SEE CURRENT NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL TEMPORARY TRAFFIC SIGNAL NOTES.
7. PAYMENT OF TEMPORARY TRAFFIC SIGNALS SHALL INCLUDE ALL EQUIPMENT REQUIRED FOR THE WORK ZONE AT A GIVEN LOCATION.

STOPPING THRUWAY TRAFFIC FOR WORK ACTIVITIES:

1. TRAFFIC ON THE THRUWAY SHALL BE STOPPED BY THE STATE POLICE ONLY. AN EXCEPTION MAY BE MADE IN CASE OF AN EMERGENCY AS DETERMINED BY THE ENGINEER OR DIVISION TRAFFIC SUPERVISOR.
2. TRAFFIC MAY NOT BE STOPPED FOR MORE THAN 10 MINUTES UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. THE 10 MINUTES SHALL START WHEN THE STATE POLICE CAR COMES TO A COMPLETE STOP.
3. ONCE REOPENED TO TRAFFIC, THE ROADWAY SHALL NOT BE FULLY CLOSED AGAIN UNTIL ALL STOPPED TRAFFIC HAS CLEARED.
4. THE NEW YORK STATE POLICE SHALL BE GIVEN SEVEN (7) CALENDAR DAYS NOTICE BY THE ENGINEER WHEN CONSTRUCTION OPERATIONS REQUIRE STOPPING TRAFFIC. THE CONTRACTOR SHALL SCHEDULE OPERATIONS ACCORDINGLY AND PROVIDE THE ENGINEER ADEQUATE NOTICE. FAILURE OF THE CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO THE ENGINEER WILL RESULT IN DELAYS TO THE CONTRACTOR'S SCHEDULED OPERATIONS.
5. THE PVMS SHALL BE PROGRAMMED WITH THE MESSAGE "STOPPED TRAFFIC AHEAD". THE PVMS SHALL BE PROGRAMMED THE MORNING OF THE STOPPAGE. THEY SHALL BE TURNED OFF WHEN TRAFFIC IS OPENED.
6. THE PORTABLE VARIABLE MESSAGE SIGNS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER.
7. STOPPAGE OF TRAFFIC WILL ONLY BE ALLOWED DURING THE HOURS OF 12:00 AM TO 5:00AM.
8. TRAFFIC SHALL NOT BE STOPPED IN BOTH DIRECTIONS SIMULTANEOUSLY.

PEDESTRIAN ACCOMMODATIONS:

SPECIAL NOTE: TRANSPORTATION SERVICE FOR PEDESTRIANS (ROUTE 9W):

CONTRACTOR SHALL PROVIDE TRANPORTATION SERVICE FOR PEDESTRIANS REQUIRING ACCESS ACROSS THE ROUTE 9W STRUCTURE DURING STAGED CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER-IN-CHARGE TO ESTABLISH SAFE AND ACCESSIBLE PICKUP AND DROP-OFF LOCATIONS BASED ON THE CONTRACTOR'S PROPOSED MEANS AND METHODS, WORK ZONE TRAFFIC CONTROL, AND SITE MANAGEMENT PLAN. PICKUP AND DROP-OFF LOCATIONS SHALL BE APPROVED BY THE ENGINEER-IN-CHARGE PRIOR TO IMPLEMENTATION. THE SERVICE SHALL OPERATE WITHIN THE ROUTE 9W ROADWAY LIMITS AND BE MADE AVAILABLE BETWEEN THE HOURS OF 6 AM AND 9 PM DAILY AND SHALL BE MODIFIED AS NECESSARY TO ACCOMMODATE THE CURRENT CONSTRUCTION STAGING. THIS WORK AND SERVICE SHALL BE PAID FOR UNDER ITEM 619.99230101 - FURNISH TRANSPORTATION SERVICE FOR PEDESTRIANS FOR ROUTE 9W AND MARIAVILLE ROAD.

SPECIAL NOTE: PEDESTRIAN ACCOMMODATIONS DURING CONTRUCTION (GLENMONT ROAD):

THE CONTRACTOR SHALL PROVIDE SHUTTLE SERVICE FOR PEDESTRIANS REQUIRING PASSAGE ACROSS THE GLENMONT ROAD BRIDGE THROUGHOUT THE DURATION OF STAGED CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER-IN-CHARGE TO ESTABLISH SAFE AND ACCESSIBLE PICKUP AND DROP-OFF LOCATIONS BASED ON THE CONTRACTOR'S PROPOSED MEANS AND METHODS AND THE WORK ZONE TRAFFIC CONTROL PLAN. THE SHUTTLE SERVICE WILL BE LIMITED TO TRANSPORTING PEDESTRIANS ACROSS THE BRIDGE. ONE SHUTTLE VEHICLE SHALL BE REQUIRED, SHALL BE CAPABLE OF CARRYING AT LEAST SIX (6) SEATED ADULTS, AND SHALL BE EQUIPPED WITH ALL SAFETY AND OPERATIONAL EQUIPMENT REQUIRED BY STATE AND FEDERAL REGULATIONS. THE SHUTTLE VEHICLE SHALL BE WHEELCHAIR ACCESSIBLE PER THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR TRANSPORTATION VEHICLES AND SHALL BE EQUIPPED WITH A BICYCLE RACK. THE SHUTTLE SHALL MAINTAIN A CONTINUOUS LOOP BETWEEN THE TWO (2) DESIGNATED STOPS AND SHALL REMAIN AT EACH STOP LOCATION A MINIMUM OF FIVE (5) MINUTES AND A MAXIMUM OF FIFTEEN (15) MINUTES. SIGNS SHALL BE PROVIDED AT THE TWO (2) DESIGNATED STOPS AND SHALL STATE THAT THIS IS A FREE SERVICE TO THE PUBLIC, THE HOURS OF OPERATION, AND SHALL INDICATE THE DROP OFF LOCATION. THE SHUTTLE SERVICE SHALL BE PROVIDED SEVEN (7) DAYS A WEEK FROM 6 A.M. TO 9 P.M. DAILY. SHOULD IT BECOME EVIDENT DURING CONSTRUCTION THAT ADDITIONAL TIMES ARE REQUIRED, OR THAT CERTAIN TIMES ARE UNNECESSARY, THE CONTRACTOR MAY PROPOSE CHANGES FOR APPROVAL BY THE ENGINEER-IN-CHARGE. ALL COST FOR ALL THE REQUIREMENTS LISTED IN THIS NOTE AND SHOWN ON THE PLANS FOR THE SHUTTLE SERVICE SHALL BE INCLUDED IN THE COST FOR ITEM 619.99230103, ACCESSIBLE SHUTTLE SERVICE ACCOMMODATIONS FOR PEDESTRIANS.

SPECIAL NOTE: TRANSPORTATION SERVICE FOR PEDESTRIANS (MARIAVILLE ROAD):

CONTRACTOR SHALL PROVIDE TRANPORTATION SERVICE FOR PEDESTRIANS REQUIRING ACCESS ACROSS THE MARIAVILLE ROAD STRUCTURE DURING STAGED CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER-IN-CHARGE TO ESTABLISH SAFE AND ACCESSIBLE PICKUP AND DROP-OFF LOCATIONS BASED ON THE CONTRACTOR'S PROPOSED MEANS AND METHODS, WORK ZONE TRAFFIC CONTROL, AND SITE MANAGEMENT PLAN. PICKUP AND DROP-OFF LOCATIONS SHALL BE APPROVED BY THE ENGINEER-IN-CHARGE PRIOR TO IMPLEMENTATION. THE SERVICE SHALL OPERATE WITHIN THE MARIAVILLE ROAD ROADWAY LIMITS AND BE MADE AVAILABLE BETWEEN THE HOURS OF 6 AM AND 9 PM DAILY AND SHALL BE MODIFIED AS NECESSARY TO ACCOMMODATE THE CURRENT CONSTRUCTION STAGING. THIS WORK AND SERVICE SHALL BE PAID FOR UNDER ITEM 619.99230101 - FURNISH TRANSPORTATION SERVICE FOR PEDESTRIANS FOR ROUTE 9W AND MARIAVILLE ROAD.

EXISTING SPEED

ROAD NAME	PRECONSTRUCTION POSTED SPEED LIMIT
US RT 9W	55 MPH
GLENMONT RD	40 MPH
MARIAVILLE RD	45 MPH

LEGEND

- WORK AREA
- TEMPORARY CONCRETE BARRIER, WITH WARNING LIGHTS - ITEMS 619.1715 AND 619.1719
- DIRECTION OF TRAVEL
- CHANNELIZING DEVICE
- WORK ZONE SIGN
- TEMPORARY TRAFFIC SIGNAL - ITEM 619.1302NN
- COVER PAVEMENT MARKING STRIPES (REMOVABLE TAPE) - ITEM 619.0803
- TUBULAR MARKINGS
- TYPE 3 BARRICADES - ITEM 619.04
- TEMPORARY RUMBLE STRIPES (RAISED REMOVABLE TAPE) - ITEM 619.22

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT, 9W, GLENMONT & MARIAVILLE BRIDGES MP 123.69, MP 139.54 & MP 159.23	DATE: 08/26/2026
GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WZTC NOTES AND LEGEND	DRAWING NUMBER: WZN-1

CHECKED BY: J. ADAMCZAK

F. CUOCCIO

DRAFTED BY:

J. LANDRY

CHECKED BY:

N. PATTERSON

DESIGNED BY:

DESIGN SUPERVISOR: J. ADAMCZAK

ROUTE 9W ROAD BRIDGE, MP 123.69		
SHEET NO.	DESCRIPTION	DRAWING NO.
12	INDEX & ESTIMATE OF QUANTITIES	EOQ-1
13	WORK ZONE TRAFFIC CONTROL (1 OF 10)	WZTC1-2
14	WORK ZONE TRAFFIC CONTROL (2 OF 10)	WZTC1-2
15	WORK ZONE TRAFFIC CONTROL (3 OF 10)	WZTC1-3
16	WORK ZONE TRAFFIC CONTROL (4 OF 10)	WZTC1-4
17	WORK ZONE TRAFFIC CONTROL (5 OF 10)	WZTC1-5
18	WORK ZONE TRAFFIC CONTROL (6 OF 10)	WZTC1-6
19	WORK ZONE TRAFFIC CONTROL (7 OF 10)	WZTC1-7
20	WORK ZONE TRAFFIC CONTROL (8 OF 10)	WZTC1-8
21	WORK ZONE TRAFFIC CONTROL (9 OF 10)	WZTC1-9
22	WORK ZONE TRAFFIC CONTROL (10 OF 10)	WZTC1-10
23	BRIDGE PLAN AND ELEVATION	ST1-1
24	TYPICAL BRIDGE SECTION	ST1-2
25	DECK REPAIR PLAN	ST1-3
26	EXISTING JOINT REPLACEMENT DETAILS	ST1-4
27	PROPOSED JOINT REPLACEMENT DETAILS	ST1-5
28	STEEL FRAMING PLAN	ST1-6
29	STEEL REPAIR NOTES	ST1-7
30	STEEL REPAIR DETAILS (1 OF 15)	ST1-8
31	STEEL REPAIR DETAILS (2 OF 15)	ST1-9
32	STEEL REPAIR DETAILS (3 OF 15)	ST1-10
33	STEEL REPAIR DETAILS (4 OF 15)	ST1-11
34	STEEL REPAIR DETAILS (5 OF 15)	ST1-12
35	STEEL REPAIR DETAILS (6 OF 15)	ST1-13
36	STEEL REPAIR DETAILS (7 OF 15)	ST1-14
37	STEEL REPAIR DETAILS (8 OF 15)	ST1-15
38	STEEL REPAIR DETAILS (9 OF 15)	ST1-16
39	STEEL REPAIR DETAILS (10 OF 15)	ST1-17
40	STEEL REPAIR DETAILS (11 OF 15)	ST1-18
41	STEEL REPAIR DETAILS (12 OF 15)	ST1-19
42	STEEL REPAIR DETAILS (13 OF 15)	ST1-20
43	STEEL REPAIR DETAILS (14 OF 15)	ST1-21
44	STEEL REPAIR DETAILS (15 OF 15)	ST1-22
45	EXISTING BEARING DETAILS	ST1-23
46	PEDESTAL ELEVATION TABLES	ST1-24
47	BEARING DETAILS (1 OF 3)	ST1-25
48	BEARING DETAILS (2 OF 3)	ST1-26
49	BEARING DETAILS (3 OF 3)	ST1-27
50	ABUTMENT BEARING LAYOUT	ST1-28
51	PIER BEARING LAYOUT	ST1-29
52	SUBSTRUCTURE REPAIR BEGIN ABUTMENT	ST1-30
53	SUBSTRUCTURE REPAIR BEGIN FACE PIER 1	ST1-31
54	SUBSTRUCTURE REPAIR END FACE PIER 1	ST1-32
55	SUBSTRUCTURE REPAIR BEGIN FACE FACE PIER 2	ST1-33
56	SUBSTRUCTURE REPAIR END FACE PIER 2	ST1-34
57	SUBSTRUCTURE REPAIR BEGIN FACE PIER 3	ST1-35
58	SUBSTRUCTURE REPAIR END FACE PIER 3	ST1-36
59	SUBSTRUCTURE REPAIR END ABUTMENT	ST1-37

ROUTE 9W (MP 123.69) ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	ESTIMATE	FINAL
206.01	STRUCTURE EXCAVATION	CY	1	
210.481201	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM (BV14)	SF	1,250	
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY	37	
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT CONCRETE FOR STRUCTURES	QU	1	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	4,300	
559.03	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON EXISTING BRIDGE DECKS	SF	31,000	
564.510001	STRUCTURAL STEEL	LB	4,000	
565.2023	TYPE E.B. FIXED BEARING (112 TO 168 KIPS)	EA	32	
565.2033	TYPE E.B. EXPANSION BEARING (112 TO 168 KIPS)	EA	32	
567.63	BRIDGE JOINT SEAL	LF	455	
570.160001	CLASS B CONTAINMENT FOR PAINT REMOVAL	LS	1	
571.04	DISPOSAL OF NON-HAZARDOUS INDUSTRIAL SOLID PAINT WASTE	LB	2,450	
574.030001	STRUCTURAL STEEL PAINTING: LOCALIZED	SF	700	
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	37	
582.0051	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	CY	55	
585.01	STRUCTURAL LIFTING OPERATIONS - TYPE A	EA	16	
585.02	STRUCTURAL LIFTING OPERATIONS - TYPE B	EA	32	
585.03	STRUCTURAL LIFTING OPERATIONS - TYPE C	EA	16	
589.010001	REMOVAL OF EXISTING STEEL - ROUTE 9W	LB	500	
589.520001	REMOVAL OF EXISTING STEEL - ROUTE 9W	EA	64	
606.53	RESETTING BOX BEAM GUIDE RAILING	LF	30	
606.57	RESETTING PRECAST CONCRETE BARRIER	LF	20	
609.04	CAST-IN-PLACE CONCRETE CURB (AS DETAILED)	LF	27	
609.06000008	CURB REMOVAL	LF	27	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.04	TYPE III CONSTRUCTION BARRICADE	EA	20	
619.0803	COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE)	LF	13,850	
619.0804	COVER EXISTING PAVEMENT MARKING LETTERS OR SYMBOLS (REMOVABLE TAPE)	EA	10	
619.100104	INTERIM PAVEMENT MARKINGS, STRIPES (REMOVABLE WET REFLECTIVE TAPE)	LF	12,700	
619.110513	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATIONS WITH NTCIP COMP	EA	4	
619.17060025	LINEAR DELINEATION SYSTEMS	LF	140	
619.1714	TEMPORARY POSITIVE BARRIER - CATEGORY 4 (PINNING PERMITTED)	LF	740	
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF	2,960	
619.1719	WARNING LIGHTS ON TEMPORARY POSITIVE BARRIERS	EA	50	
619.1803	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 3)	EA	1	
619.24	NIGHTTIME OPERATIONS	LS	1	
619.99230101	FURNISH TRANSPORTATION SERVICES FOR PEDESTRIANS	LS	1	
625.01	SURVEY OPERATIONS	LS	1	

REVISIONS						Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23		CONTRACT NUMBER:
DATE	DESCRIPTION	BY	SYM.				LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)		TAA 26-19B
							TITLE OF DRAWING INDEX & ESTIMATE OF QUANTITIES		DATE: 08/26/2026
									DRAWING NUMBER: EOQ1-1

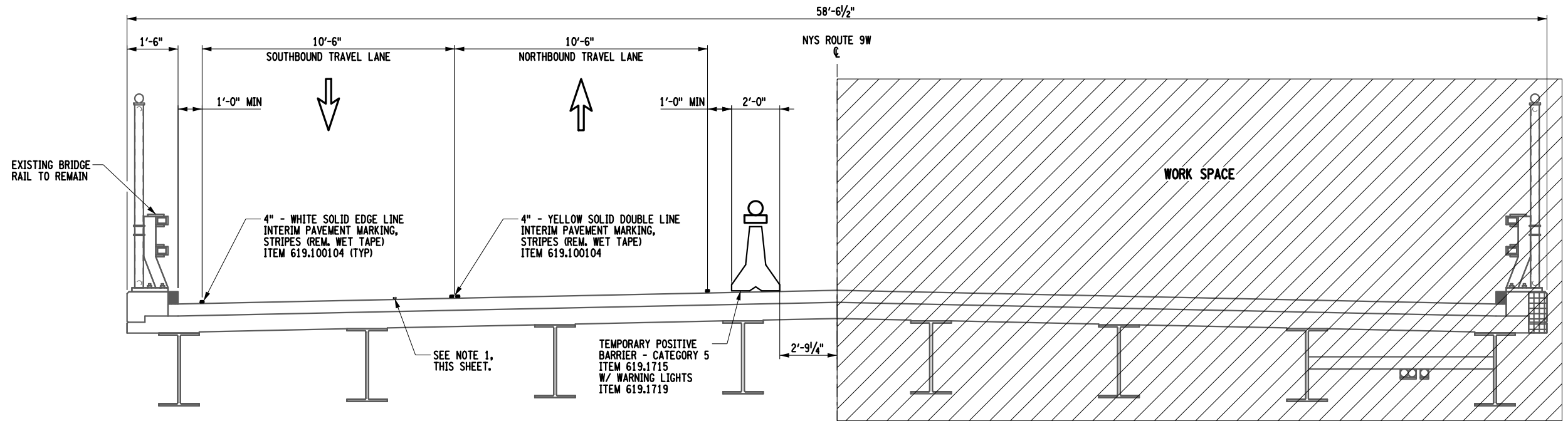
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

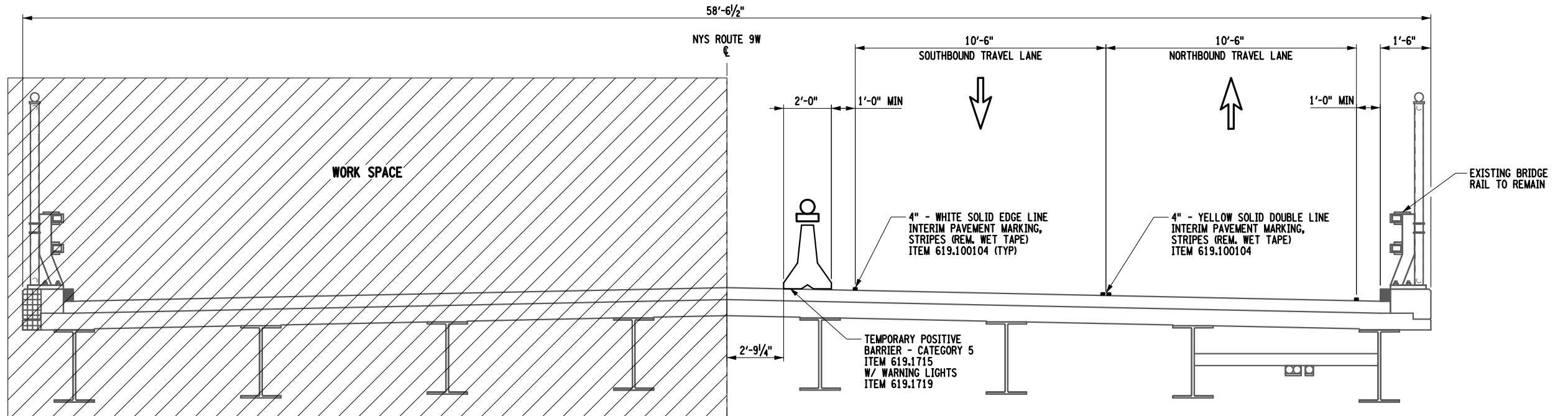
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



ROUTE 9W MP 123.69
WORK ZONE SECTION - STAGE A
(LOOKING UPSTATION)
SCALE: NONE



ROUTE 9W MP 123.69
WORK ZONE SECTION - STAGE B
(LOOKING UPSTATION)
SCALE: NONE

NOTE:

1. DURING ANY STAGE THE CONTRACTOR SHALL COVER COMPLETELY ANY EXISTING CONFLICTING PAVEMENT MARKINGS. COVER EXISTING PAVEMENT MARKING STRIPES, LETTERS OR SYMBOLS (REMOVABLE TAPE) ITEMS 619.0803 & 619.0804 (TYP).

ALTERED ON:	AFFIXED ON:
	10/07/2026
SIGNATURE:	SIGNATURE:
STAMP:	STAMP:



EXPIRATION: 10/31/2028

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: WZTC1-1
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (1 OF 10)	

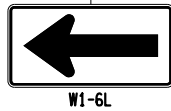
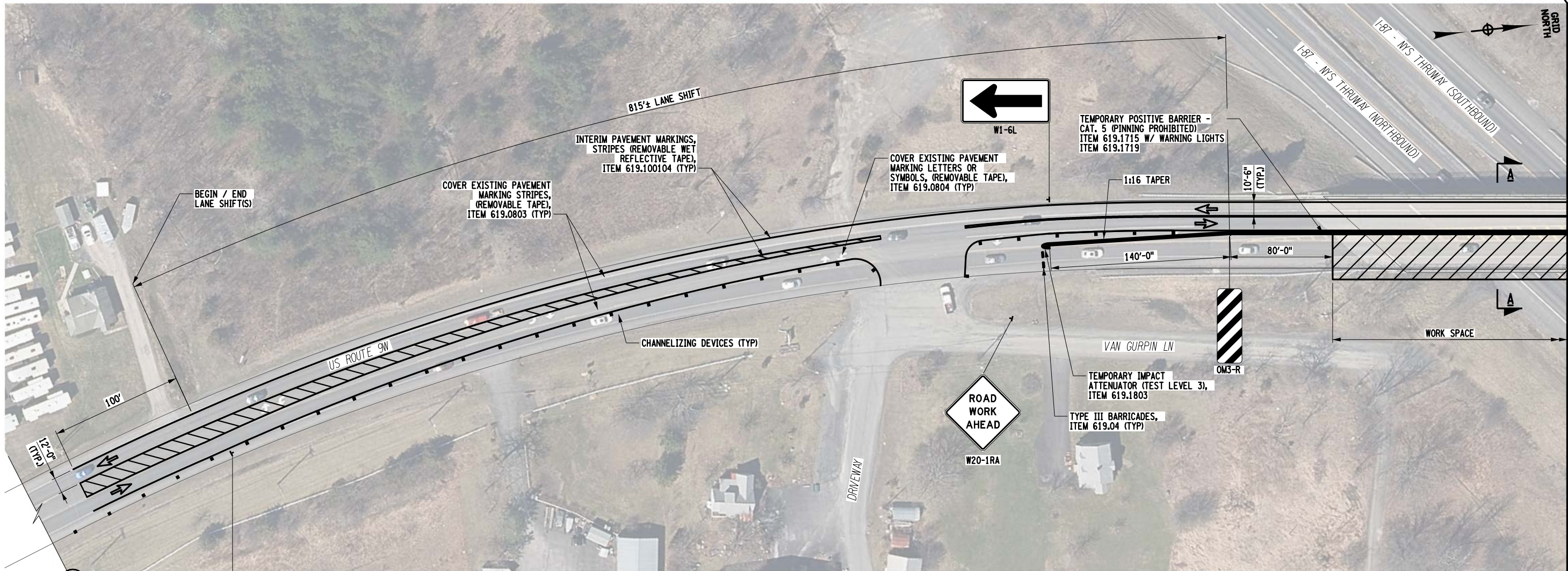
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

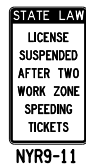


**ROUTE 9W
WORK ZONE PLAN STAGE A**

NOTE:
1. REFER TO DWG WZTC1-1 FOR TYPICAL SECTIONS.



**ADVANCED WARNING SIGNAGE
LAYOUT**



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (2 OF 10)	DRAWING NUMBER: WZTC1-2

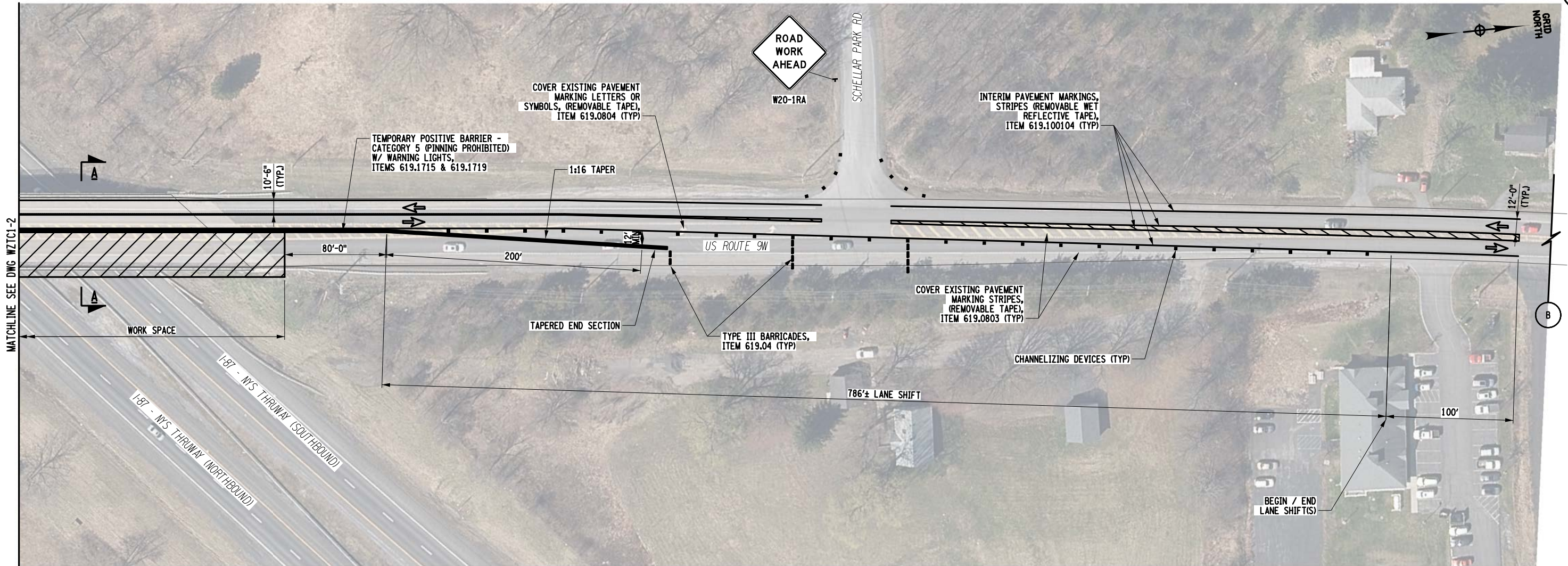
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

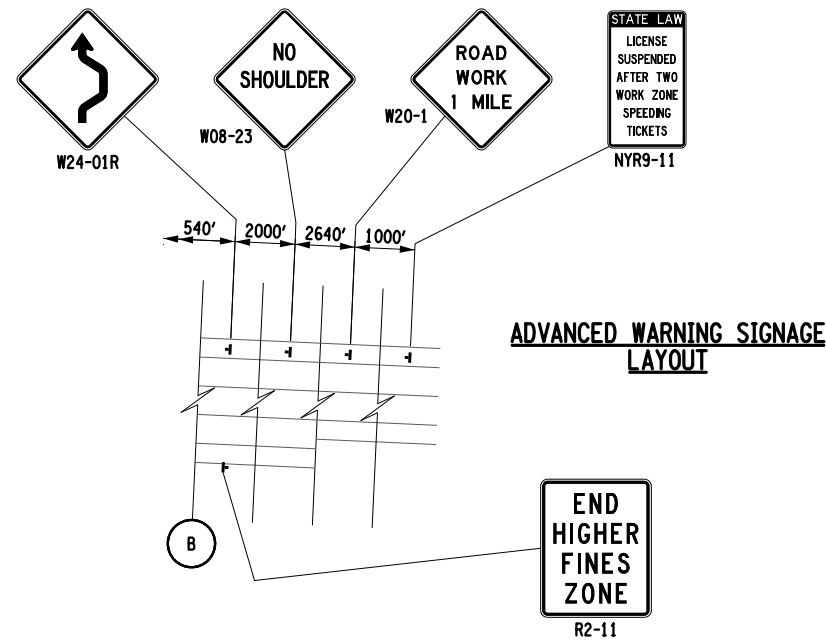
DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



NOTE:
1. REFER TO DWG WZTC1-1 FOR TYPICAL SECTIONS.

**ROUTE 9W
WORK ZONE PLAN STAGE A**



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (3 OF 10)	DRAWING NUMBER: WZTC1-3

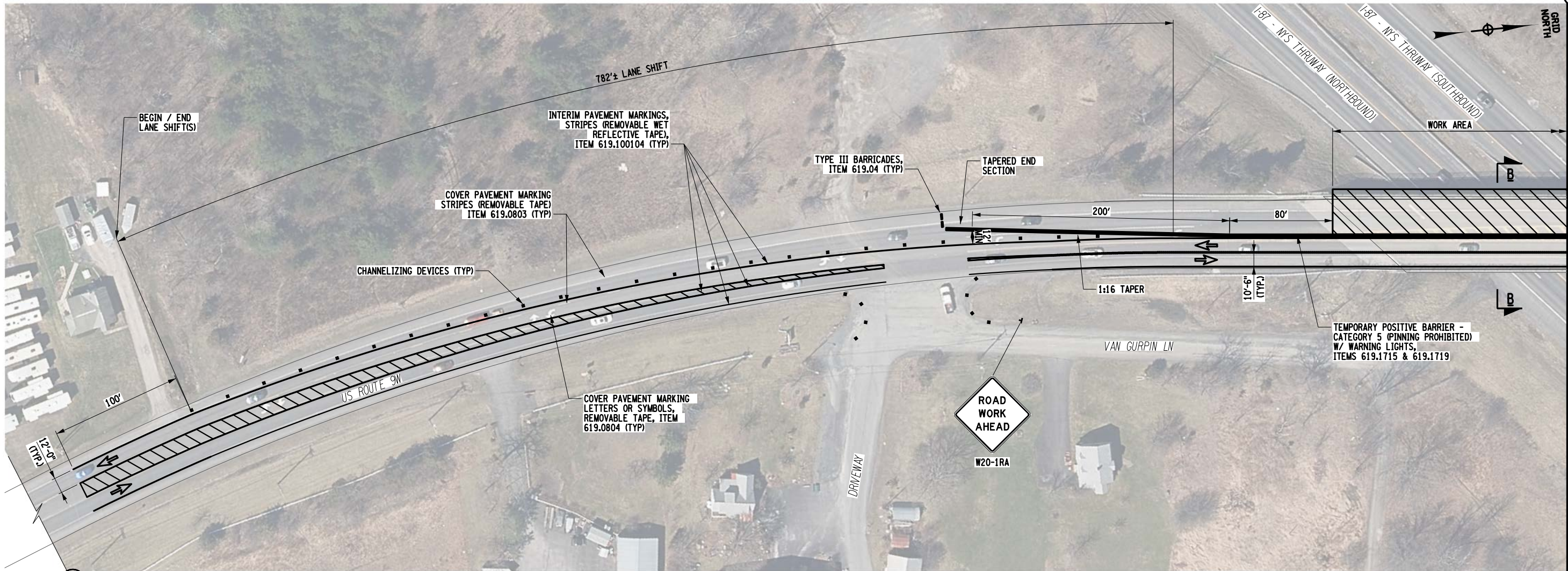
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

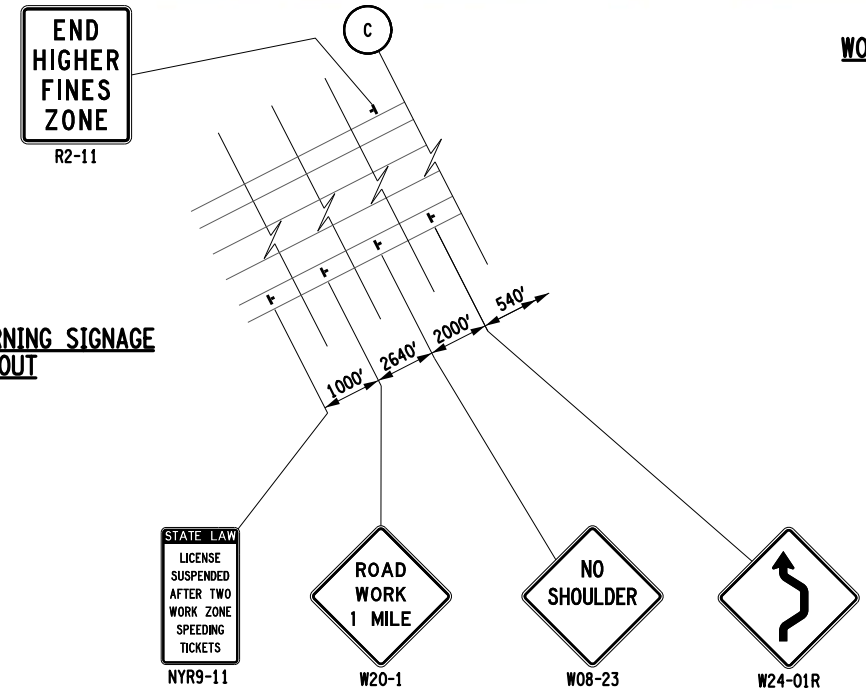


ROUTE 9W
WORK ZONE PLAN STAGE B

NOTE:
1. REFER TO DWG WZTC1-1 FOR TYPICAL SECTIONS.



ADVANCED WARNING SIGNAGE
LAYOUT



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (4 OF 10)	DRAWING NUMBER: WZTC1-4

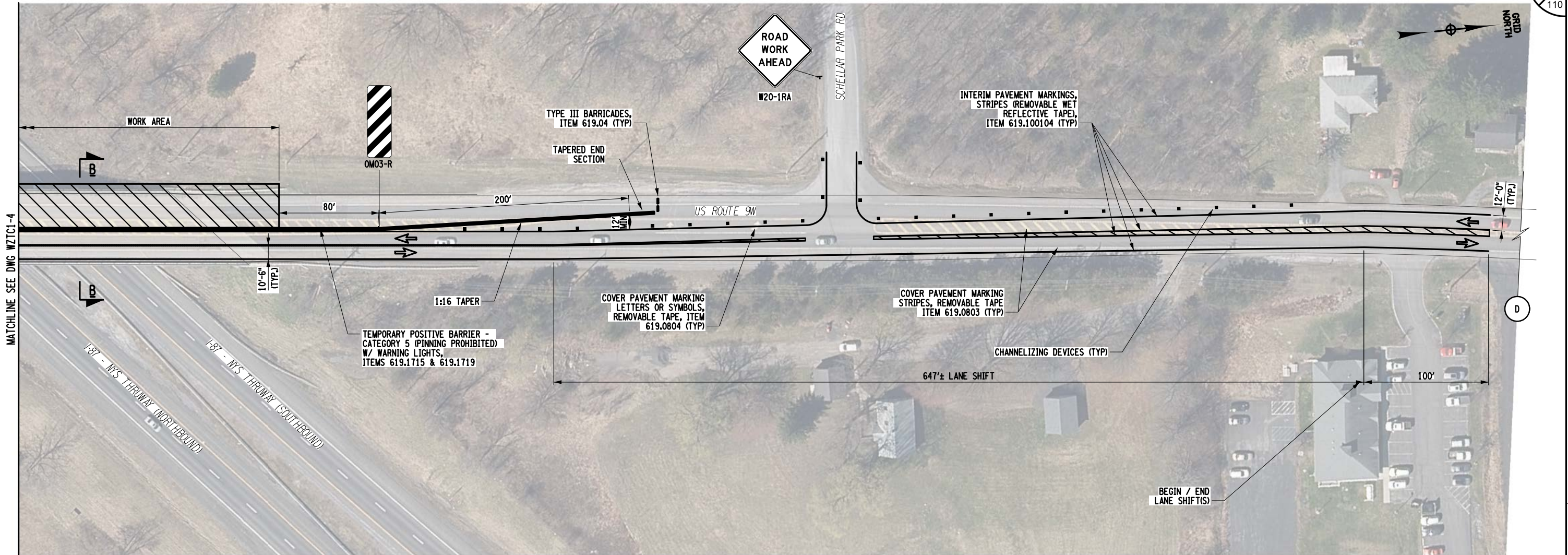
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

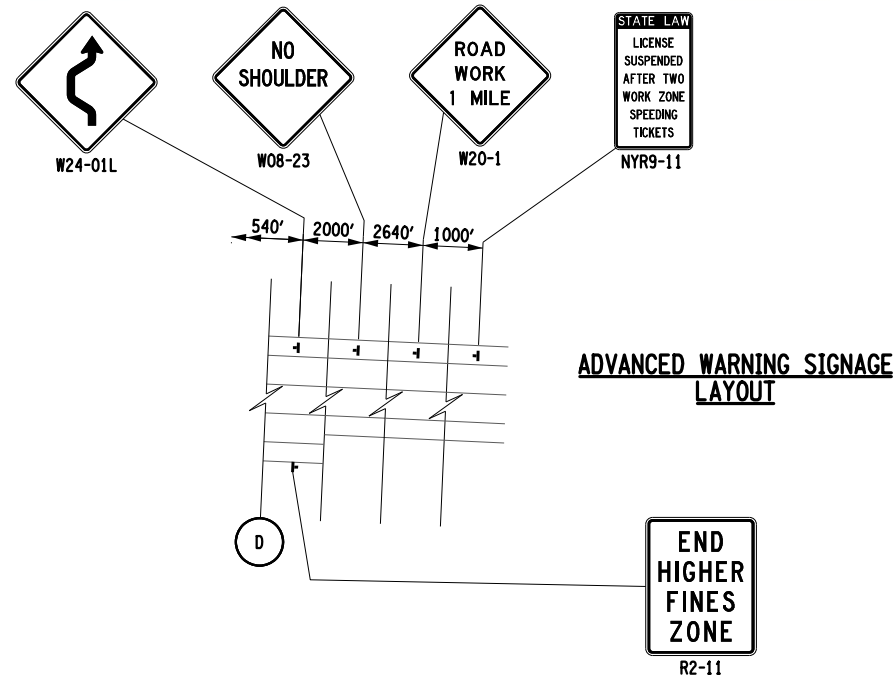
DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



NOTE:
1. REFER TO DWG WZTC1-1 FOR TYPICAL SECTIONS.

**ROUTE 9W
WORK ZONE PLAN STAGE B**



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (5 OF 10)	DRAWING NUMBER: WZTC1-5

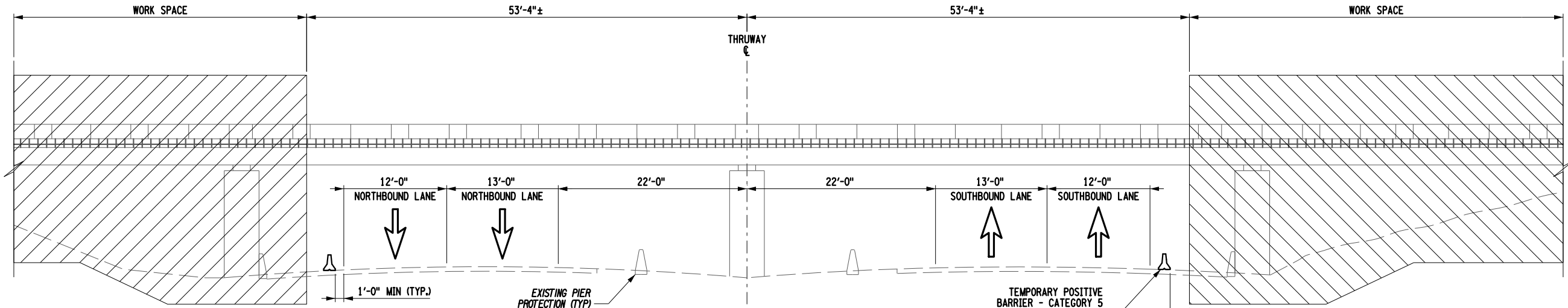
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

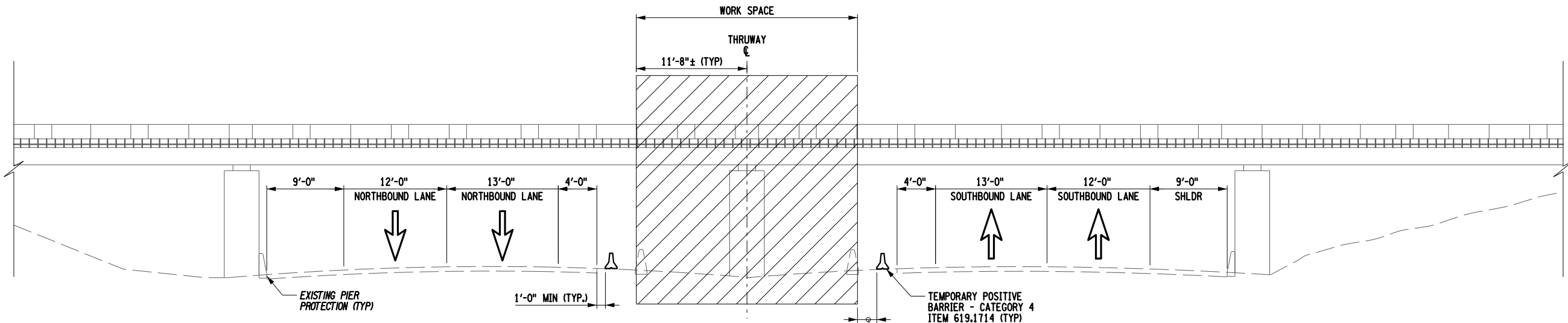
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



WORK ZONE - MAINLINE SECTION 1
RIGHT SHOULDER CLOSURES
MP 123.69 - I-87 NYS THRUWAY
SCALE: NONE



WORK ZONE - MAINLINE SECTION 2
MEDIAN CLOSURE
MP 123.69 - I-87 NYS THRUWAY
SCALE: NONE

NOTE:

1. THE CONTRACTOR SHALL PROPERLY TERMINATE AND ANCHOR ANY REMAINING BARRIER SYSTEM DURING REMOVALS/MODIFICATIONS. OVERLAP TEMPORARY POSITIVE BARRIER 75 FT MINIMUM WITH EXSITING BARRIER SYSTEM.

ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL
(6 OF 10)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
WZTC1-6

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

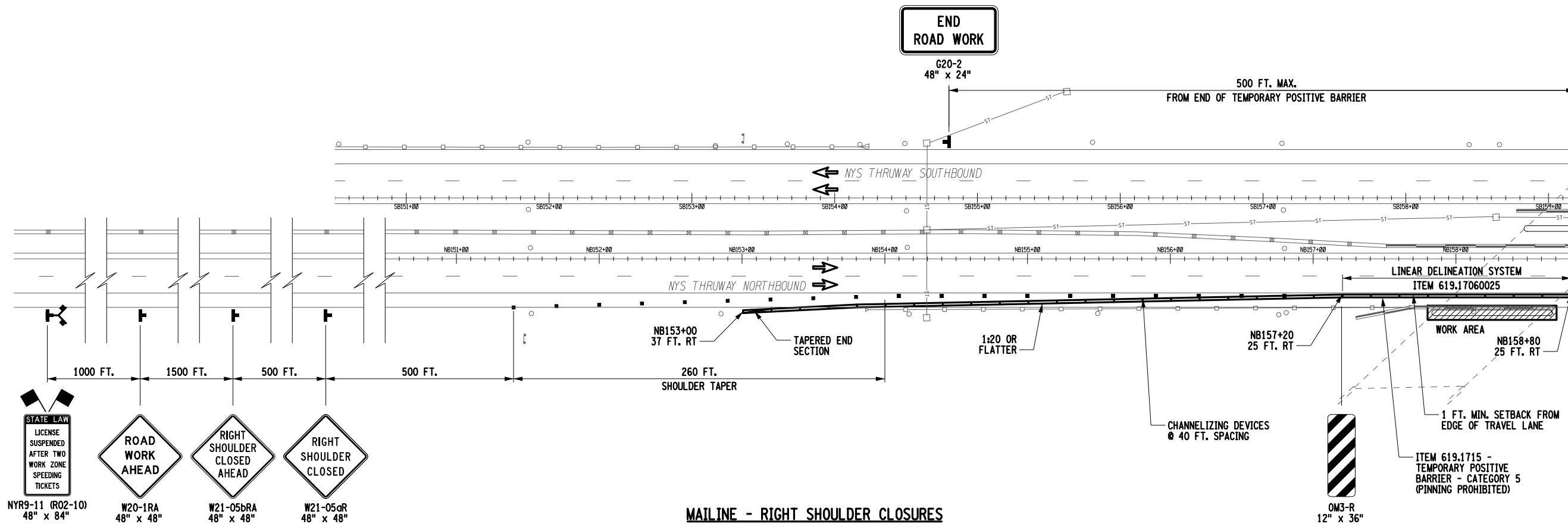
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

19
110

GRID
NORTH



MAILINE - RIGHT SHOULDER CLOSURES
M.P. 123.69 - RT 9W OVER NYS THRUWAY



ALTERED ON:	AFFIXED ON:
SIGNATURE:	SIGNATURE:
STAMP:	STAMP:

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DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (7 OF 10)		DRAWING NUMBER: WZTC1-7

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

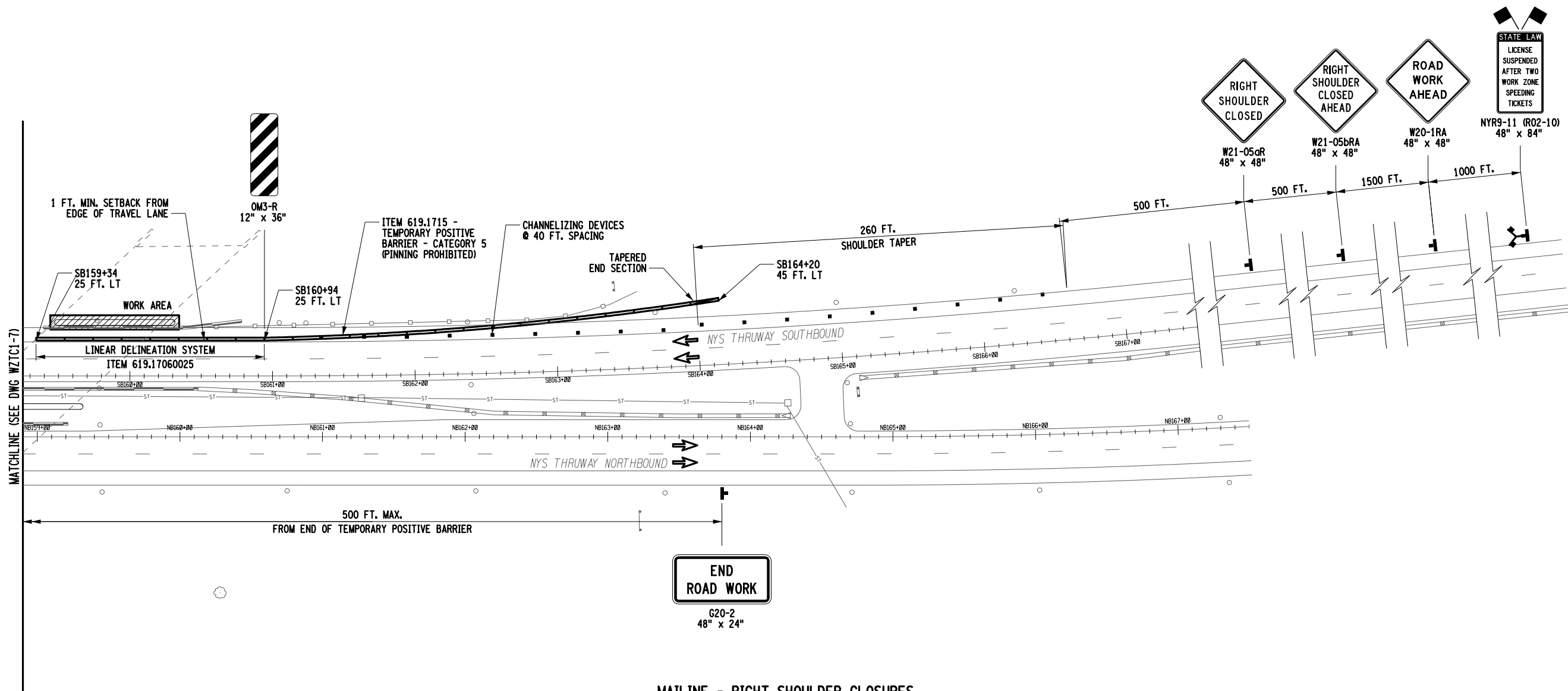
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

20
110

GRID
NORTH



MAILINE - RIGHT SHOULDER CLOSURES
M.P. 123.69 - RT 9W OVER NYS THRUWAY



ALTERED ON:	AFFIXED ON:
SIGNATURE:	SIGNATURE:
STAMP:	STAMP:

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DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (8 OF 10)		DRAWING NUMBER: WZTC1-8

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

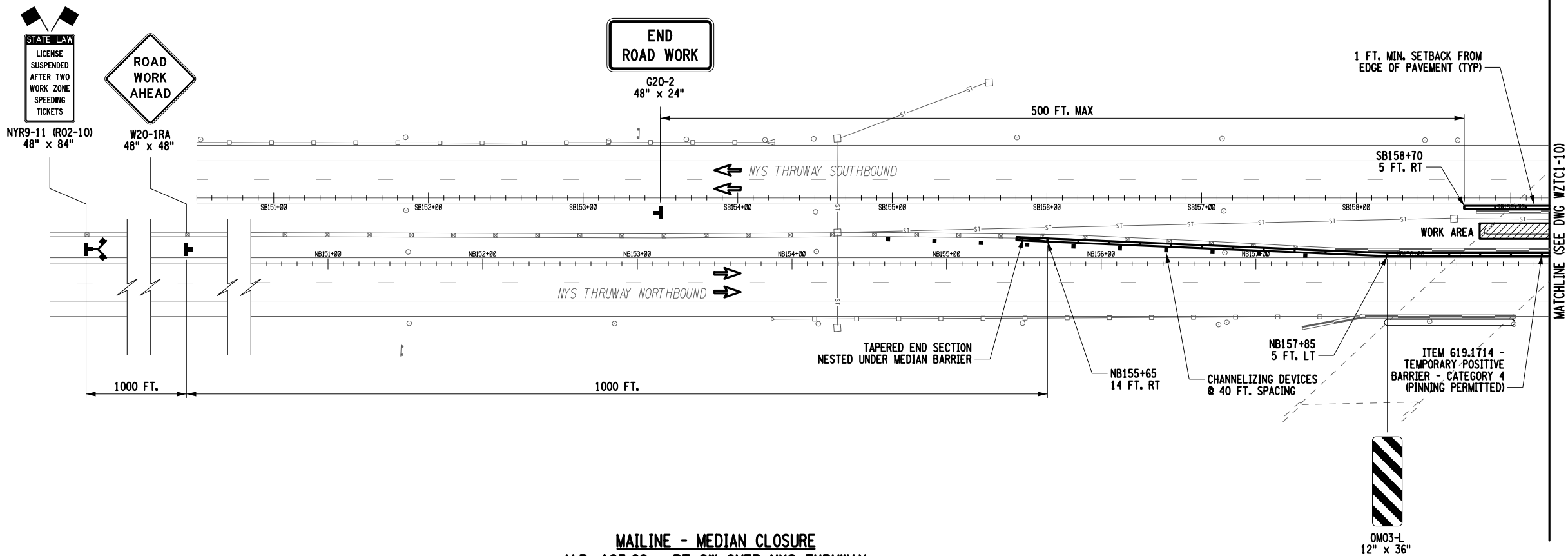
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

21
110

GRID
NORTH



MAILINE - MEDIAN CLOSURE
M.P. 123.69 - RT 9W OVER NYS THRUWAY



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (9 OF 10)	DRAWING NUMBER: WZTC1-9

CHECKED BY: A. JACKSON

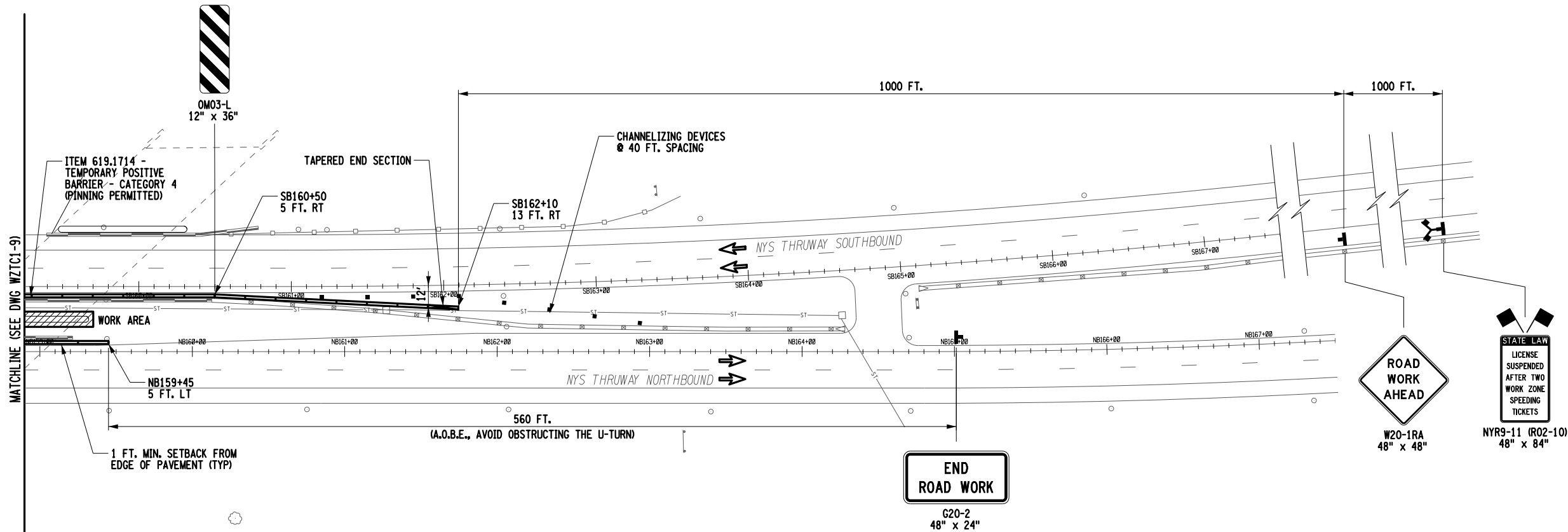
DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

22
110
GRID
NORTH



MAILINE - MEDIAN CLOSURE
M.P. 123.69 - RT 9W OVER NYS THRUWAY



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (10 OF 10)	DRAWING NUMBER: WZTC1-10

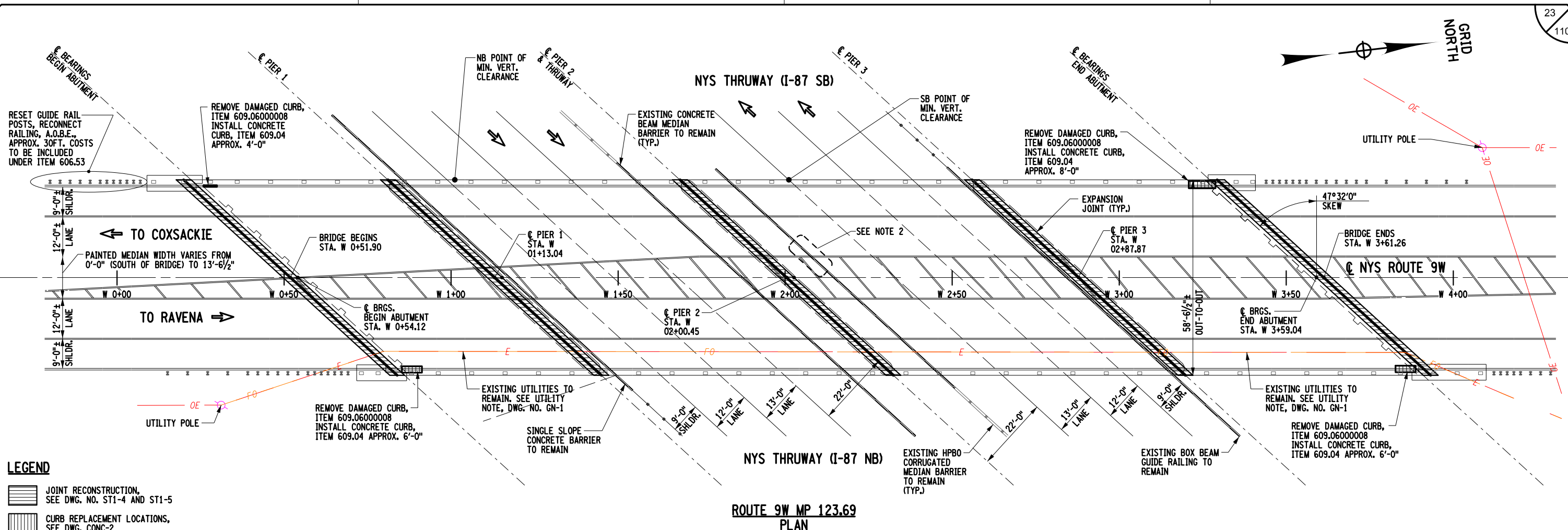
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUCCIO

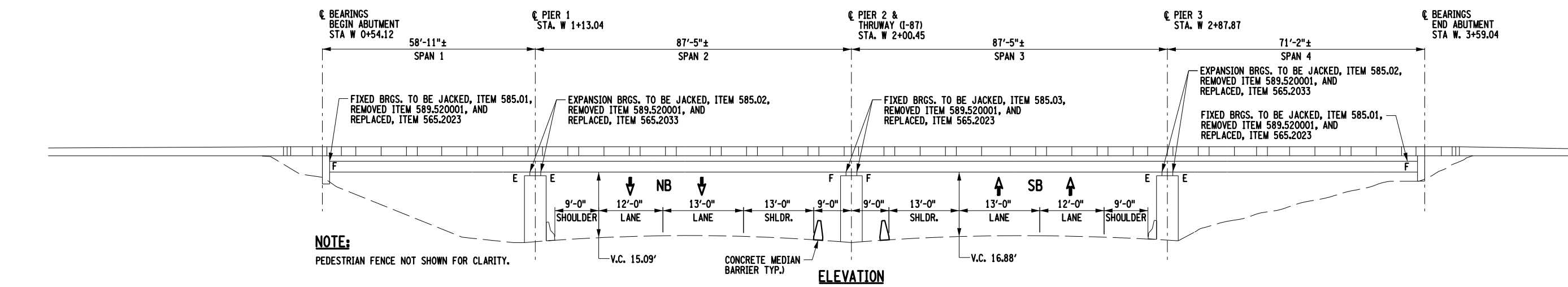
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



- LEGEND**
- JOINT RECONSTRUCTION, SEE DWG. NO. ST1-4 AND ST1-5
 - CURB REPLACEMENT LOCATIONS, SEE DWG. CONC-2



NOTE:
PEDESTRIAN FENCE NOT SHOWN FOR CLARITY.

- NOTES:**
1. REMOVE AND REPLACE DETERIORATED CONCRETE IN DECK, ITEM 582.0051. SEE DWG. NOS. ST1-3 FOR ANTICIPATED REPAIR LOCATIONS AND SIZES.
 2. CONCRETE PIER PROTECTION BARRIER ON I-87 TO BE RESET A.O.B.E., ITEM 606.57
 3. STATIONING HAS BEEN REDEFINED FROM ORIGINAL CONTRACT CT52-7. ORIGINAL CONTRACT STA. W 0+00.00 = STA. W 1+49.98 AND STATIONING IS INCREASING FROM SOUTH TO NORTH. CONTRACT CT52-7 IS AVAILABLE AS SUPPLEMENTAL INFORMATION UPON REQUEST.
 4. FOR RAILING AND POST CONNECTION DETAILS, SEE DWG. NO. CONC-2.

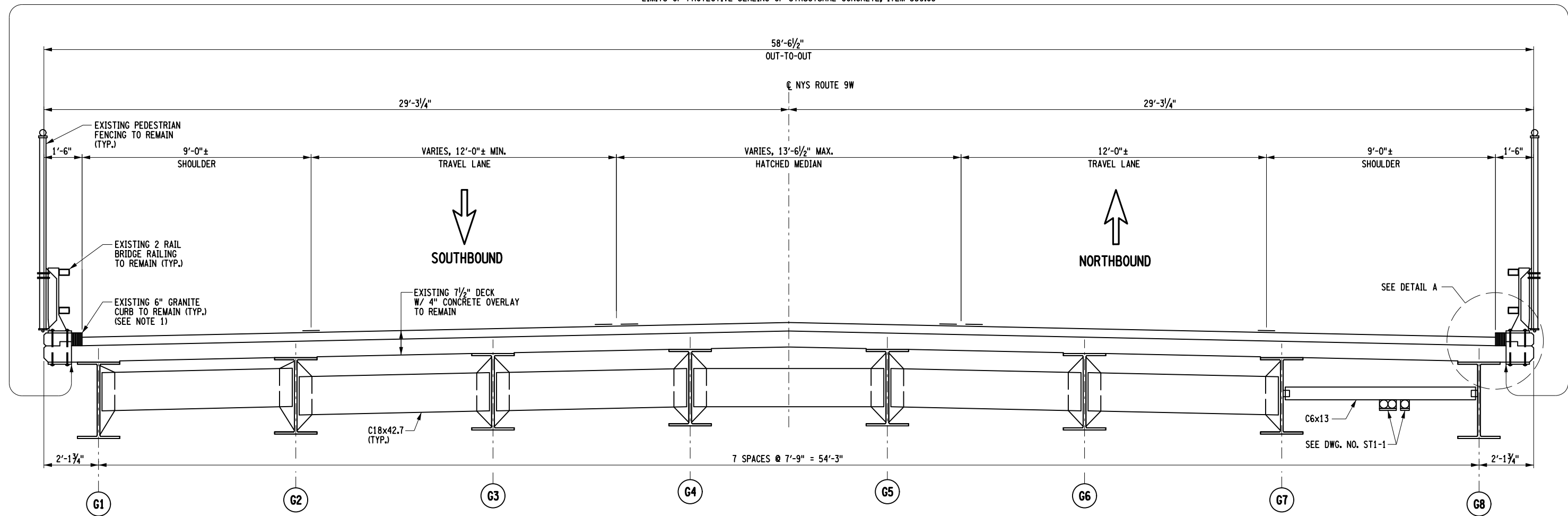
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



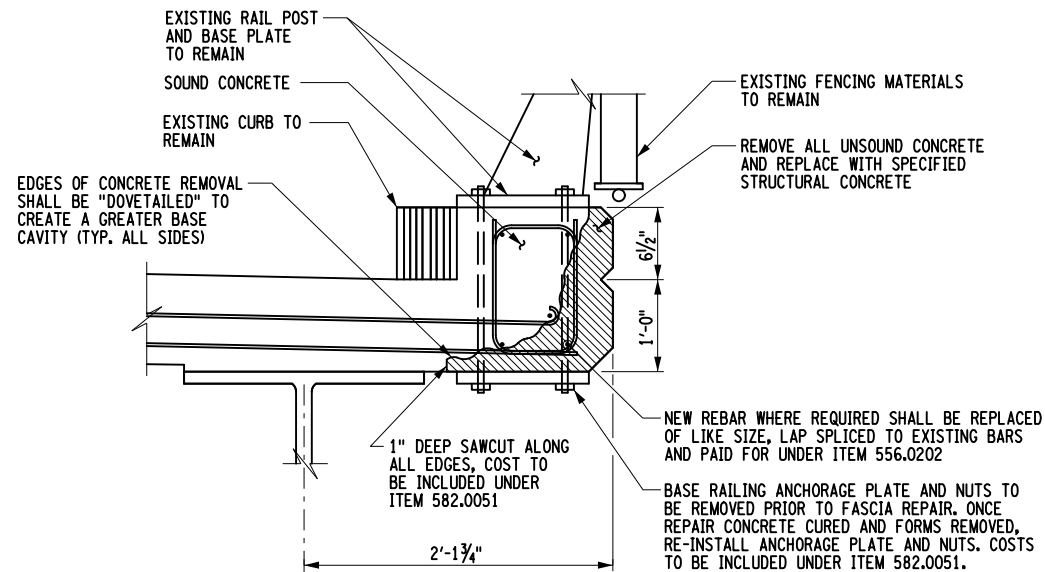
TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING BRIDGE PLAN AND ELEVATION	DRAWING NUMBER: ST1-1

LIMITS OF PROTECTIVE SEALING OF STRUCTURAL CONCRETE, ITEM 559.03



**TYPICAL TRANSVERSE SECTION
(LOOKING UPSTATION)**
SCALE: 1/4"=1'-0"

- NOTES:**
1. FOR LOCATIONS AND LIMITS OF CURB REMOVAL AND REPLACEMENT, SEE DWG. NO. ST1-1.
- LEGEND**
- FASCIA CONCRETE TO BE REPLACED PER DWG. NO. CONC-1. FOR FASCIA REPAIR LOCATIONS, SEE DWG. NO. ST1-3.



**DETAIL A
FASCIA REPAIR DETAIL**
SCALE: NONE

ALTERED ON:	AFFIXED ON: 09/30/2026
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.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING TYPICAL BRIDGE SECTION	DRAWING NUMBER: ST1-2

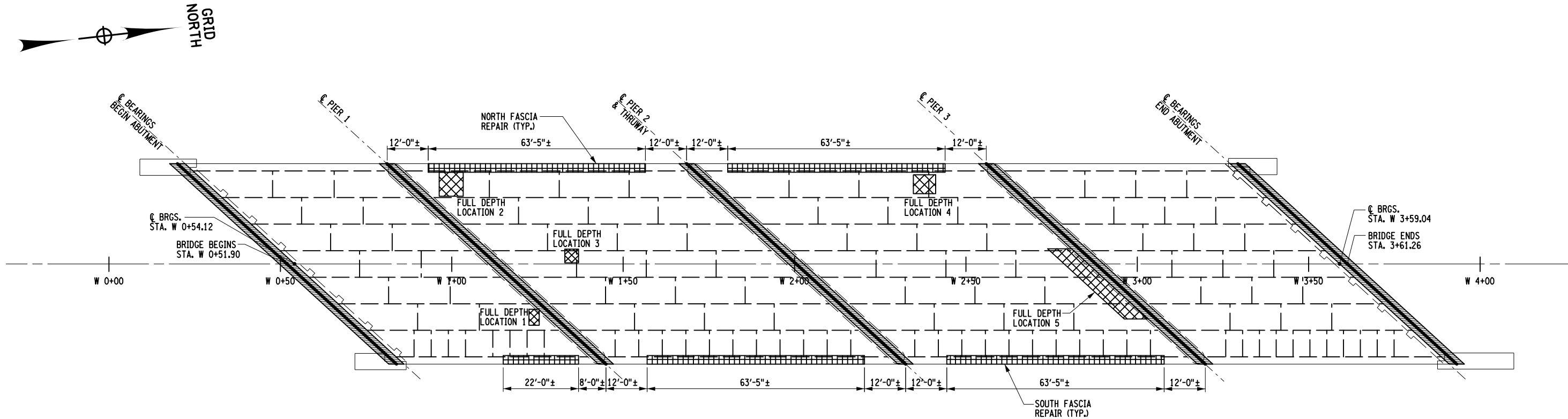
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

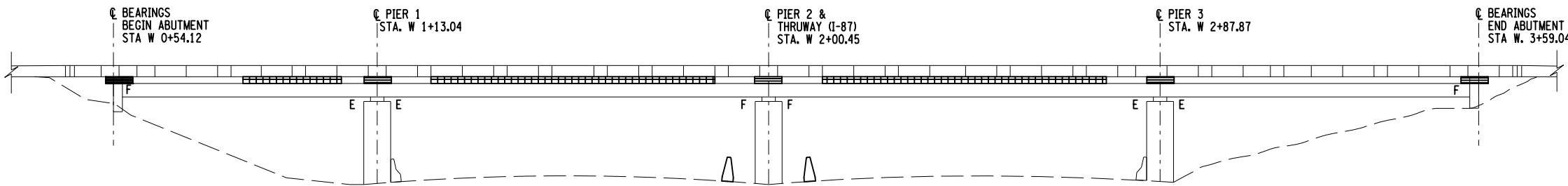
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



CONCRETE DECK REPAIR LOCATIONS PLAN
SCALE: 1"=30'-0"



CONCRETE DECK REPAIR ELEVATION
(EAST ELEV. SHOWN, WEST SIMILAR)
SCALE: 1"=30'-0"

- NOTES:**
- SEE SHEET ST1-4 FOR JOINT REPAIR DETAILS.
 - AFTER CONCRETE REPAIRS TO SUPERSTRUCTURES, ALL EXPOSED CONCRETE SUPERSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.
 - FASCIA REPAIR LIMITS AND QUANTITIES SHOWN FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY WITH THE EIC LIMITS OF REPAIRS PRIOR TO COMMENCING WORK.
 - FASCIA REPAIR WORK SHALL BE SEQUENCED SUCH THAT NO MORE THAN THREE CONSECUTIVE RAILING POST ANCHORAGES SHALL BE EXPOSED FOR REPAIR AT ANY TIME. ALL WORK SHALL BE COMPLETED AND RAILING ANCHORAGE PLATES RE-ATTACHED WITHIN EACH WORK AREA PRIOR TO COMMENCING WORK ON AN ADJACENT SECTION.

DECK REPAIRS (ITEM 582.0051) TABLE				
LOCATION	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
North Fascia	126.83	5.00	0.50	11.74
South Fascia	148.83	5.00	0.50	13.78
Full Depth 1	3.00	4.67	0.96	0.50
Full Depth 2	7.00	7.00	0.96	1.74
Full Depth 3	4.00	4.00	0.96	0.57
Full Depth 4	6.50	5.50	0.96	1.27
Full Depth 5	7.00	20.50	0.96	5.09
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				34.69

LEGEND

- FULL DEPTH DECK REPAIR AREAS, SEE DETAILS ON DWG. NO. CONC-1 AND CONC-2
- PARTIAL DEPTH UNDERSIDE FASCIA REPAIR AREAS, SEE DETAILS ON DWG. NO. ST1-2
- JOINT REPAIR AREAS, SEE DWG. NO. ST1-4 AND ST1-5 FOR DETAILS

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

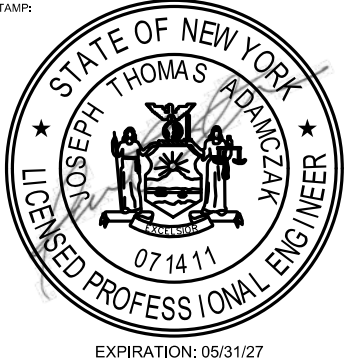
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

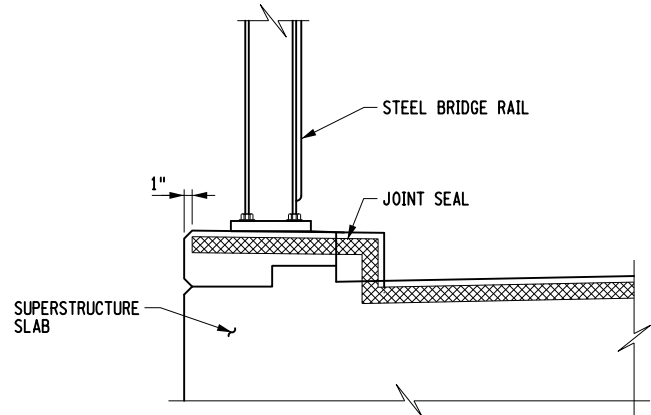
TITLE OF DRAWING
DECK REPAIR PLAN

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-3

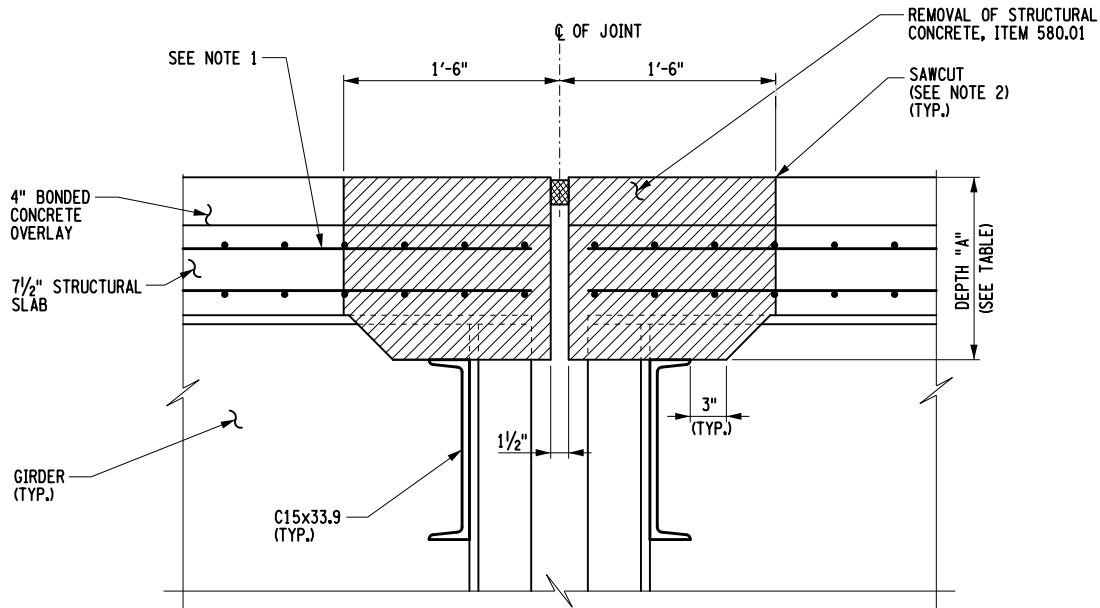


CHECKED BY: J. ADAMCZAK
DRAFTED BY: F. CUOCCIO
CHECKED BY: J. LANDRY
DESIGNED BY: N. PATTERSON
DESIGN SUPERVISOR: J. ADAMCZAK

JOINT REMOVAL (ITEM 580.01) TABLE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	"A" APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
Begin Abt Joint	86.65	1.00	0.33	1.07
Pier 1 Joint	86.65	2.83	1.25	11.37
Pier 2 Joint	86.65	2.83	1.25	11.37
Pier 3 Joint	86.65	2.83	1.25	11.37
End Abt Joint	86.65	1.00	0.33	1.07
TOTAL VOLUME OF REMOVAL OF CONCRETE, ITEM 580.01 (CY):				36.24



TYPICAL EXISTING
JOINT @ CURB
SCALE: NONE



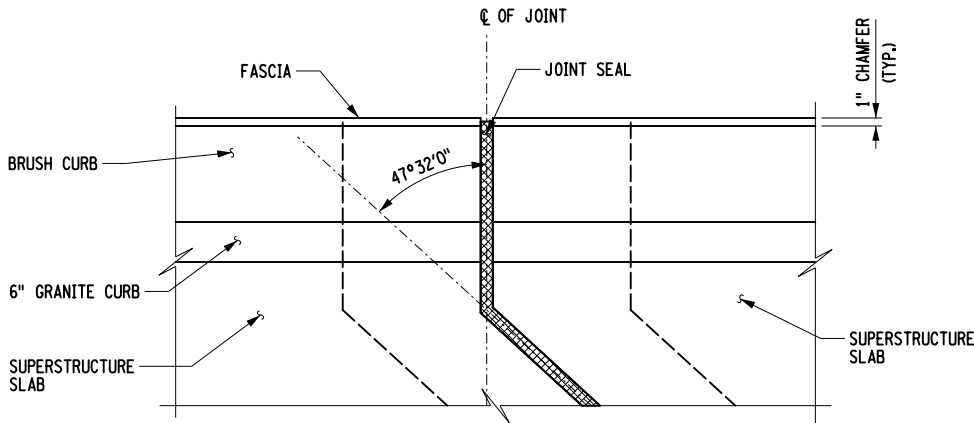
TYPICAL EXISTING JOINT
DETAIL @ PIERS 1, 2 & 3
SCALE: NONE

LEGEND

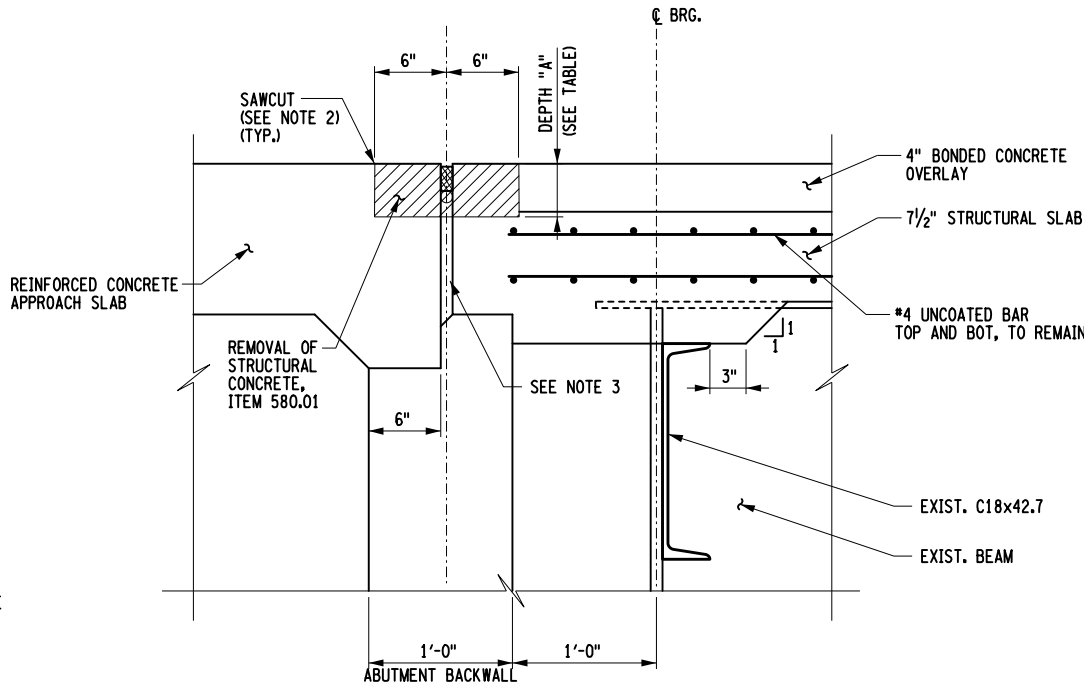
REMOVAL OF STRUCTURAL CONCRETE, ITEM 580.01

NOTES:

1. ALL EXISTING REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. COST INCLUDED UNDER ITEM 580.01.
2. SAWCUT DEPTH SHALL BE TO 3/4" BELOW TOP SURFACE OF STRUCTURAL SLAB. COST INCLUDED UNDER ITEM 580.01.
3. OPENING BENEATH EXISTING JOINT SHALL BE CLEANED ACCORDING TO STANDARD SPECIFICATION SECTION 567-3.04B. TO BE PAID UNDER ITEM 580.01.



TYPICAL PLAN VIEW
JOINT @ CURB
SCALE: NONE



TYPICAL EXISTING JOINT
DETAIL AT ABUTMENTS
SCALE: NONE

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
10/07/2026

SIGNATURE:
STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

GPI
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
EXISTING JOINT REPLACEMENT DETAILS

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST1-4

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

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 7/8
75	1 7/8
80	1 3/4
85	1 5/8
90	1 5/8
95	1 5/8
100	1 5/8
105	1 1/2
110	1 1/2

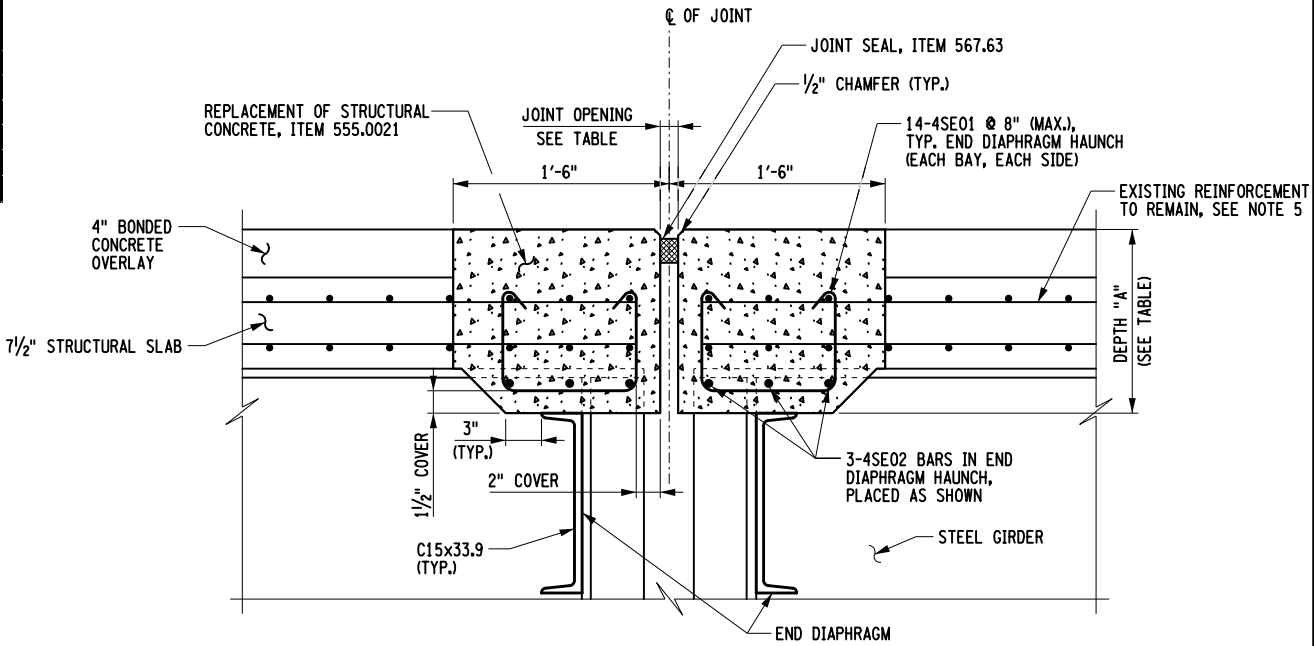
NOTES:
MIN. OPENING (IN.) = 1.5
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.875
TOTAL MOVEMENT (IN.) = 1.75

PIER 3:

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 3/8
35	2 1/4
40	2 1/4
45	2 1/4
50	2 1/4
55	2 1/8
60	2 1/8
65	2
70	1 7/8
75	1 7/8
80	1 7/8
85	1 7/8
90	1 3/4
95	1 5/8
100	1 5/8
105	1 5/8
110	1 5/8

NOTES:
MIN. OPENING (IN.) = 1.625
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 3
TOTAL MOVEMENT (IN.) = 1.875

JOINT REPLACEMENT (ITEM 555.0021) TABLE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	"A" APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
Begin Abt Joint	86.65	1.00	0.33	1.07
Pier 1 Joint	86.65	2.83	1.25	11.37
Pier 2 Joint	86.65	2.83	1.25	11.37
Pier 3 Joint	86.65	2.83	1.25	11.37
End Abt Joint	86.65	1.00	0.33	1.07
TOTAL VOLUME OF PLACEMENT OF CONCRETE, ITEM 555.0021 (CY):				36.24



TYPICAL PROPOSED ARMORLESS JOINT AT PIERS 1, 2, & 3
SCALE: NONE

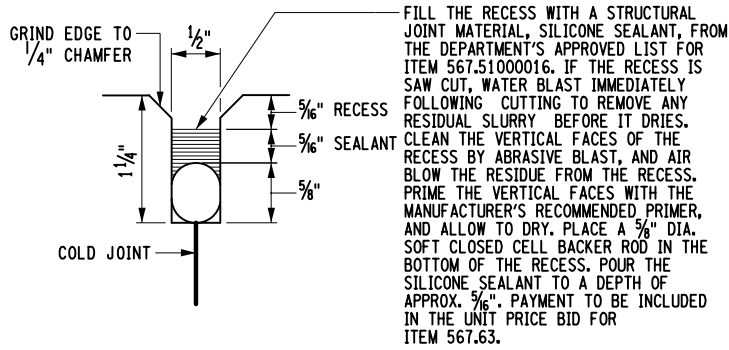
MARK	NO.	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R	REMARKS
JOINTS																					
4SE01	588	4	3'-1"	S3	1,211.1	4.5"	8"	1'-0"	8"			4.5"									
4SE02	126	4	9'-6"	STR	259.5																
TOTAL FOR PIER 1:						1,471	LBS.														

LEGEND

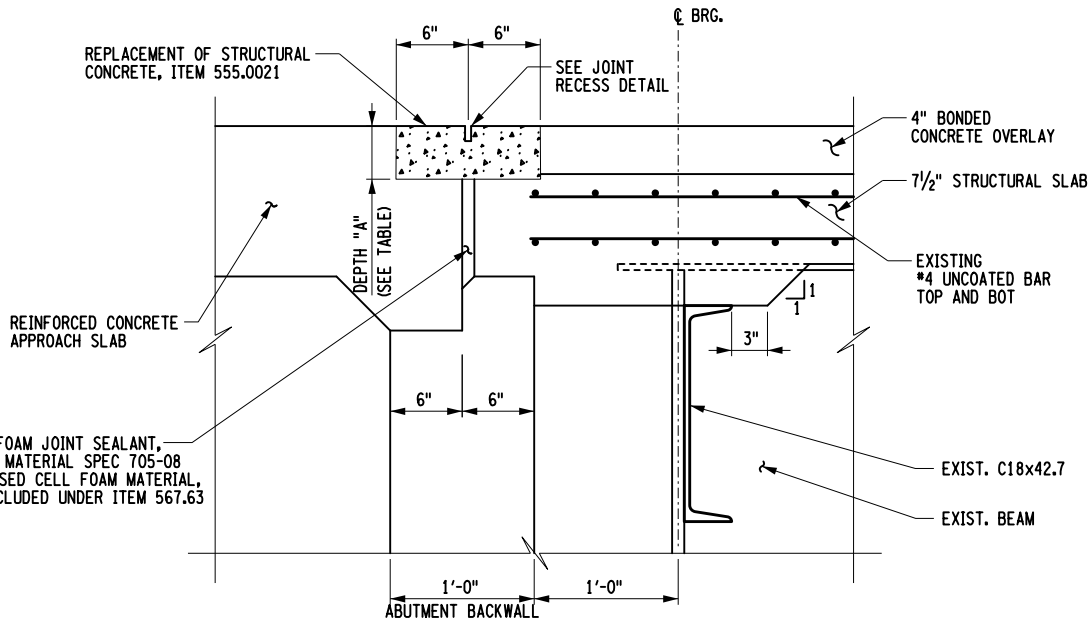
REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 555.0021

NOTES:

- THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLE PROVIDED ON THIS DRAWING.
- THE CONTRACTOR SHALL SUPPLY A JOINT SEAL WITH AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS "MIN. SEAL WIDTH" IN THE TABLE ABOVE. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURES COMPRESSION LIMITS AT THE "MINIMUM OPENING" NOTED IN THE TABLE.
- THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES, (OR) THE TEMPERATURE OF THE SIDE OF A PRESTRESSED BEAM NOT DIRECTLY IN SUNLIGHT. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.
- ALL HEADER REINFORCEMENT SHALL HAVE A 2" MINIMUM COVER.
- ALL EXISTING REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. COST INCLUDED IN ITEM 580.01.
- SAWCUT DEPTH SHALL BE TO 3/4" BELOW TOP SURFACE OF STRUCTURAL SLAB.



JOINT RECESS DETAIL
SCALE: NONE



TYPICAL PROPOSED ARMORLESS JOINT DETAIL AT ABUTMENTS
SCALE: NONE

ALTERED ON:

AFFIXED ON:
10/07/2026

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
PROPOSED JOINT REPLACEMENT DETAILS

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST1-5

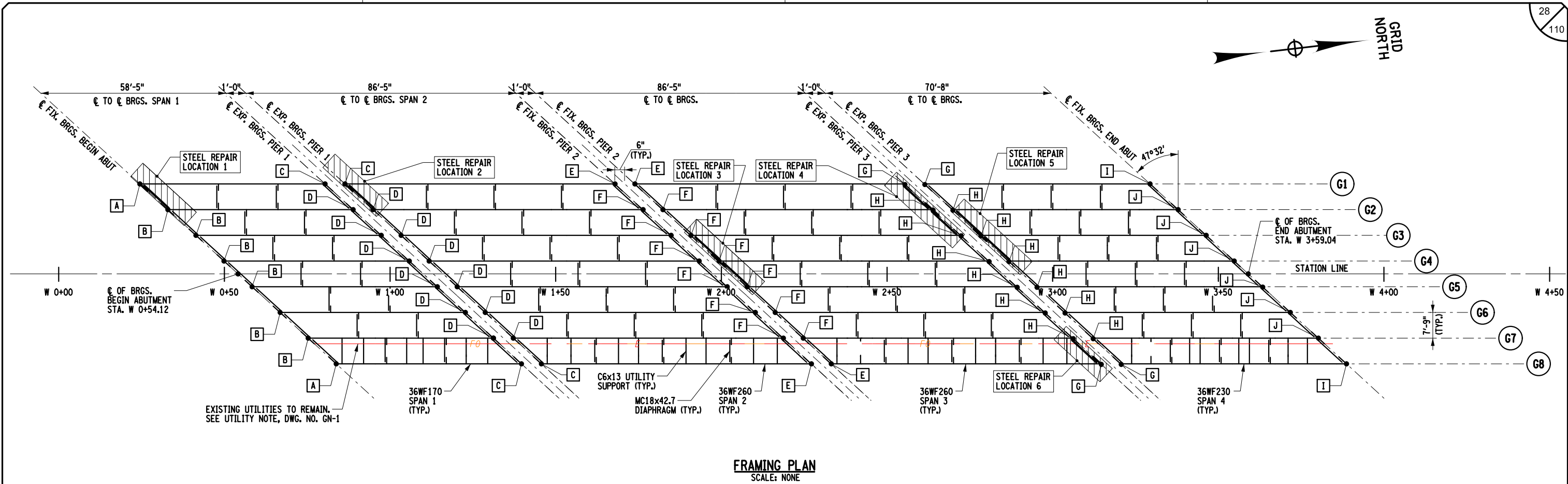
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



REFERENCE NOTES:

- FOR STEEL REPAIR DETAILS, SEE DWG. NOS. ST1-7 THROUGH ST1-22.

LEGEND:

-  STRUCTURAL LIFTING LOCATION, ITEM 585.XX (SEE STRUCTURAL LIFTING LOADS TABLE, THIS SHEET)
-  STEEL REPAIR LOCATION

NOTES:

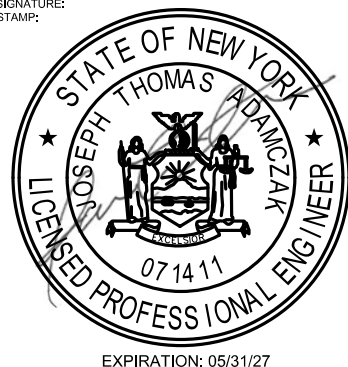
- PRIOR TO INSTALLATION OF NEW BEARINGS, CONTRACTOR SHALL REMOVE EXISTING PAINT, RUST, SCALE, DIRT, AND OTHER FOREIGN MATERIAL FROM EXISTING STEEL SURFACES THAT WILL BE IN CONTACT WITH THE NEW BEARINGS. SURFACES SHALL BE PREPARED USING HAND-HELD POWER TOOLS IN ACCORDANCE WITH ITEM 574.030001, STRUCTURAL STEEL PAINTING: LOCALIZED. PAINT REMOVAL AND CLEANING OPERATIONS SHALL BE PERFORMED WITH CLASS B CONTAINMENT IN ACCORDANCE WITH ITEM 570.160001, CLASS B CONTAINMENT FOR PAINT REMOVAL. PREPARED SURFACES SHALL BE FREE OF LOOSE PAINT, RUST, SCALE, AND OTHER FOREIGN MATERIAL AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION OF NEW BEARINGS. NEW BEARINGS SHALL BE FURNISHED, INSTALLED, AND ATTACHED IN ACCORDANCE WITH ITEM 565, BRIDGE BEARINGS, AND THE CONTRACT DOCUMENTS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

STRUCTURAL LIFTING LOADS					
BEARING LOCATION	LOCATION DESCRIPTION	DL+SDL (kips)	LL+I (kips)	# OF LOCATIONS	ITEM NO.
A	SPAN 1 FASCIA AT BEGIN ABUTMENT	45	61	2	585.01
B	SPAN 1 INTERIOR AT BEGIN ABUTMENT	49	79	6	585.01
C	SPAN 1 FASCIA AT PIER 1	45	61	2	585.02
D	SPAN 1 INTERIOR AT PIER 1	49	79	6	585.02
E	SPANS 2 AND 3 FASCIA AT PIER 2	73	70	8	585.03
F	SPANS 2 AND 3 INTERIOR AT PIER 2	79	90	24	585.03
G	SPAN 4 FASCIA AT PIER 3	57	65	2	585.02
H	SPAN 4 INTERIOR AT PIER 3	63	85	6	585.02
I	SPAN 4 FASCIA AT END ABUTMENT	57	65	2	585.01
J	SPAN 4 INTERIOR AT END ABUTMENT	63	85	6	585.01

NOTE: LOADS IN THIS TABLE ARE UNFACTORED.



TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING STEEL FRAMING PLAN	DRAWING NUMBER: ST1-6

CHECKED BY: J. ADAMCZAK

F. CUOCCIO

DRAFTED BY:

J. LANDRY

CHECKED BY:

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

STEEL REPAIR NOTES:

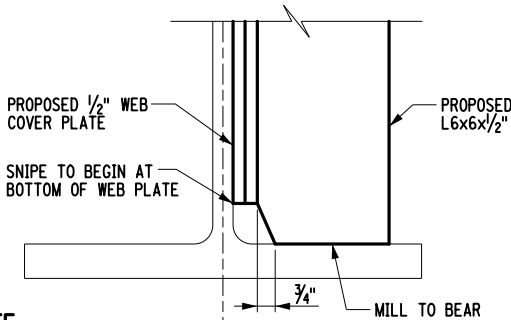
- THESE NOTES ARE PROVIDED FOR GENERAL INFORMATION AND ARE INTENDED TO SUPPLEMENT OTHER NOTES FOUND WITHIN THESE CONTRACT DOCUMENTS. THESE NOTES SHALL NOT SUPERSEDE OR MODIFY NOTES, DETAILS, DIMENSIONS, OR REQUIREMENTS SHOWN ELSEWHERE IN THESE CONTRACT DOCUMENTS. IN THE EVENT OF A DISCREPENCY, THE MORE RESTRICTIVE REQUIREMENT SHALL GOVERN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THESE DRAWINGS WERE PREPARED FROM AVAILABLE RECORD DRAWINGS AS WELL AS INFORMATION PROVIDED IN THE 2025 INSPECTION REPORT. THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING SHOP DRAWINGS. PRIOR TO REMOVAL OF EXISTING DIAPHRAGMS, CONTRACTOR SHALL MEASURE EXISTING DIAPHRAGM CONNECTION AND LOCATIONS TO VERIFY PROPER FIT OF NEW STEEL PIECES TO MATCH FIELD CONDITIONS.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND REPAIR PROCEDURES, IN ACCORDANCE WITH THE NYSDOT STEEL CONSTRUCTION MANUAL (SCM), TO THE ENGINEER FOR APPROVAL FOR ALL STRUCTURAL STEEL ITEMS.
 - ALL STEEL REPAIRS SHALL BE COMPLETED DURING THE RESPECTIVE STAGE THAT DECK AND JOINT WORK IS BEING COMPLETED.
 - DRILLED HOLES SHALL BE CLEANED OF ALL BURRS AND OTHER EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF NEW BOLTS.
 - ALL NEW BOLTED CONNECTIONS OF STRUCTURAL STEEL ELEMENTS SHALL USE 7/8" DIA. ASTM A325 TYPE 1 HIGH-STRENGTH BOLTS. ALL NEW HOLES SHALL BE 15/16". ALL NEW WASHERS SHALL BE ASTM F436. ALL NEW NUTS SHALL BE ASTM A563 GRADE D.
 - ALL NEW STRUCTURAL STEEL ANGLES SHALL CONFORM TO ASTM A709 WITH $F_y = 50$ KSI.
 - ALL NEW STEEL PLATES SHALL CONFORM TO A709 WITH $F_y = 50$ KSI.
 - ALL FABRICATION AND WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
 - THE CONTRACTOR SHALL TAKE CARE AND USE ALL NECESSARY PRECAUTIONS DURING RIVET AND STEEL REMOVAL TO PREVENT DAMAGE TO EXISTING STEEL MEMBERS THAT ARE TO REMAIN.
 - PRIOR TO ANY REMOVAL WORK, THE CONTRACTOR SHALL MARK THE LIMITS OF EACH REPAIR PLATE TO CLEARLY IDENTIFY THE AREA OF REMOVAL. ONLY THE RIVETS/BOLTS ASSOCIATED WITH THE SPECIFIC REPAIR PLATE BEING INSTALLED SHALL BE REMOVED.
 - REMOVAL OF STEEL CONNECTION PLATES AND STIFFENERS MAY BE ACCOMPLISHED BY FLAME CUTTING. FLAME CUTS SHALL BE TO WITHIN 1/8" OF THE EXISTING STEEL THAT IS TO REMAIN. ALL FLAME-CUT EDGES SHALL BE GROUND SMOOTH AND FREE OF SLAG, GOUGES, AND OTHER IRREGULARITIES PRIOR TO INSTALLATION OF NEW STEEL. ALL WELD REMOVAL AREAS SHALL BE MAGNETIC PARTICLE TESTED (MT) PER THE SCM. CONTRACTOR SHALL NOT FLAME CUT OR OTHERWISE MODIFY EXISTING STEEL OUTSIDE OF THE LIMITS SHOWN IN THE CONTRACT DOCUMENTS WITHOUT APPROVAL OF THE ENGINEER.
 - ALL NEW STRUCTURAL STEEL FOR THE REPAIRS, INCLUDING ANGLES, PLATES, SHIMS, IF REQUIRED, AND FILLERS SHALL BE PAID FOR UNDER ITEM 564.510001.
 - REMOVAL OF EXISTING RIVETS, DRILLING NEW HOLES IN EXISTING STEEL, AND INSTALLING NEW HIGH-STRENGTH BOLTS SHALL BE PAID FOR UNDER ITEM 564.510001.
 - ANY NEW REPAIR PLATE INSTALLED OVER AN EXISTING STEEL ELEMENT EXHIBITING DETERIORATION, PITTING, OR OTHER IRREGULAR SURFACE SHALL HAVE ALL RESULTING VOIDS BETWEEN THE EXISTING AND NEW STEEL FILLED WITH AN APPROVED TWO-COMPONENT, 100% SOLIDS EPOXY REPAIR COMPOUND SUITABLE FOR APPLICATION TO STEEL AND FOR EXPOSURE TO DAMP, WET, AND SPLASH-ZONE CONDITIONS. APPROVED EPOXY COMPOUND SHALL BE INSTALLED PER MANUFACTURER REQUIREMENTS. THE COST OF PREPARATION WORK AND PLACEMENT OF COMPOUND SHALL BE INCLUDED UNDER ITEM 564.510001.
 - PRIOR TO INSTALLING THE REPAIR ANGLES AND PLATES, REMOVE ALL VISIBLE DIRT, GREASE, OIL, RUST, LOOSE SCALE, PAINT, AND OTHER FOREIGN MATERIAL FROM THE SURFACES.
 - WEB COVER PLATES AND CONNECTION ANGLES FOR EACH LOCATIONS SHALL BE MATCH-DRILLED IN THE FABRICATION SHOP.
 - NEW BENT CONNECTION PLATES SHALL BE DRILLED IN THE FABRICATION SHOP.

STEEL PAINTING NOTES:

- THE STRUCTURAL STEEL FOR THIS BRIDGE SHALL BE PAINTED IN LOCALIZED AREAS AS NOTED IN THE PLANS. THE COLOR SHALL CONFORM TO STANDARD SPECIFICATION 708-05. FINISH COAT COLOR SHALL BE "SAGE GREEN" (NCSL 7.5 GY 5/4). VIEWING SHALL BE DONE UNDER NORTHERN STANDARD DAYLIGHT. THERE ARE 1,465 SQUARE FEET OF PAINTED STRUCTURAL STEEL ON THIS BRIDGE.
- ASIDE FROM PAINTING REQUIRED FOR THE STEEL REPAIRS, AND AREAS WITHIN AND IMMEDIATELY ADJACENT TO THE REPAIR LIMITS, NO OTHER CLEANING OR PAINTING OF STRUCTURAL STEEL IS REQUIRED.
- THE COST OF ALL CLEANING, SURFACE PREPARATION, PRIMING, AND PAINTING FOR ALL NEW AND EXISTING STEEL SHALL BE PAID FOR UNDER 574.030001 - STRUCTURAL STEEL PAINTING: LOCALIZED.
- PAINT SYSTEM MUST BE FROM NYSDOT APPROVED LIST AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE MANUFACTURER'S CERTIFICATION STATING THAT THE PAINT MEETS THESE REQUIREMENTS.
- EXCEPT WHERE NOTED, PRIOR TO SHIPPING TO THE FIELD, ALL NEW OR REPLACEMENT 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 FIELD APPLIED INTERMEDIATE COAT, AND FINISH COAT.
- ALL COATINGS SHALL BE APPLIED IN A NEAT, WORKMANLIKE MANNER. COATINGS SHALL BE APPLIED UNIFORMLY AND SHALL BE FREE OF RUNS, SAGS, DRIPS, OR OTHER DEFECTS.

LEAD PAINT NOTES:

- THE CONTRACTOR IS REQUIRED TO USE VACUUM SHROUDED TOOLS TO REDUCE EMISSIONS TO A MINIMUM. THE CONTRACTOR SHALL USE TARPS OR OTHER MEANS NECESSARY TO CONTAIN AND MINIMIZE EMISSION OF PAINT DUST TO BE PAID UNDER ITEM 570.160001.
- LIMITS AND METHODS OF REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.01D AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF ANY PAINT REMOVAL OR PAINT STRIPPING REQUIRED SHALL BE INCLUDED IN UNIT PRICE OF THE APPLICABLE STEEL REPAIR ITEM. PAINT WASTE SHALL BE COLLECTED FOLLOWING THE REQUIREMENTS OF THE ENVIRONMENTAL GROUND PROTECTION, AND PAINT WASTE SHALL BE DISPOSED OF FOLLOWING THE REQUIREMENTS OF SECTION 571 - DISPOSAL OF PAINT REMOVAL WASTE.



NOTE:
SNIPE WIDTH SHALL ALSO BE 3/4" IN LOCATIONS WITHOUT WEB COVER PLATE.

SNIPE DETAIL
(BOTTOM SHOWN, TOP SIMILAR)
SCALE: NONE

SUGGESTED SEQUENCE OF CONSTRUCTION FOR STEEL REPAIRS:

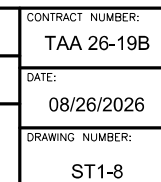
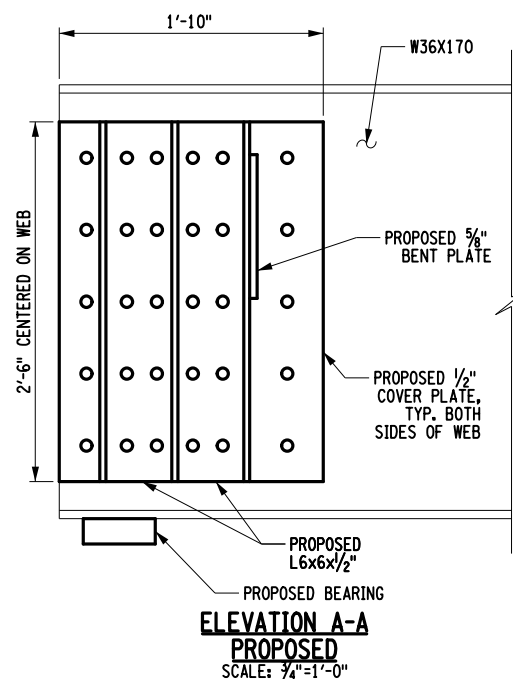
- REMOVE EXISTING BOLTS OR RIVETS FROM DIAPHRAGM AND REMOVE AND STORE DIAPHRAGM.
- REMOVE EXISTING CONNECTION PLATES FROM EXISTING GIRDERS. ALL WELD REMOVAL AREAS SHALL BE MAGNETIC PARTICLE TESTED (MT) PER THE NYS STEEL CONSTRUCTION MANUAL (SCM).
- PREPARE EXISTING WEB SURFACE TO RECEIVE NEW WEB COVER PLATE.
- PLACE ONE WEB COVER PLATE ON EXISTING GIRDER TO BE USED AS A TEMPLATE. ALIGN PLATE WITH THE END OF GIRDER AND CENTER ON THE WEB AS SHOWN IN THE PLAN DETAILS. WEB COVER PLATE SHALL BE TEMPORARILY SECURED IN THE FINAL POSITION PRIOR TO FIELD DRILLING OF WEB CONNECTION HOLES. TEMPORARY ATTACHMENT MAY BE ACCOMPLISHED USING CLAMPS, OR OTHER APPROVED MEANS SUFFICIENT TO MAINTAIN PROPER ALIGNMENT AND PREVENT MOVEMENT DURING DRILLING OPERATIONS.
- FIELD DRILL WEB CONNECTION HOLES THROUGH THE WEB COVER PLATE AND EXISTING GIRDER WEB.
- PLACE SECOND WEB COVER PLATE ON OPPOSITE SIDE OF GIRDER WEB AND INSTALL REQUIRED CONNECTION ANGLES.
- INSTALL BOLTS AND COMPLETELY SECURE WEB COVER PLATES AND CONNECTION ANGLES.
- MEASURE DIAPHRAGM CONNECTION REQUIREMENTS TO VERIFY DIAPHRAGM MODIFICATION REQUIREMENTS.
- CUT EXISTING DIAPHRAGM AS REQUIRED.
- RE-INSTALL DIAPHRAGM USING THE EXISTING CONNECTION PLATE NOT REMOVED DURING REPAIR. PROVIDE THE MINIMUM NUMBER OF BOLTS REQUIRED TO HOLD THE DIAPHRAGM IN PROPER ALIGNMENT WITH THE REPAIRED CONNECTION.
- USE BENT CONNECTION PLATE AS TEMPLATE TO FIELD DRILL NEW CONNECTION ANGLE AND MODIFIED END OF DIAPHRAGM.
- FIELD DRILL CONNECTION HOLES THROUGH THE CONNECTION ANGLE AND MODIFIED END OF DIAPHRAGM.
- INSTALL BOLTS AND COMPLETELY SECURE CONNECTION PLATES AND DIAPHRAGM.
- PAINT ALL STEEL AND HARDWARE WITHIN THE REPAIR AREA AS SPECIFIED IN THE PAINTING NOTES.

ALTERED ON:	AFFIXED ON: 09/30/2026
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.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING STEEL REPAIR NOTES	DRAWING NUMBER: ST1-7



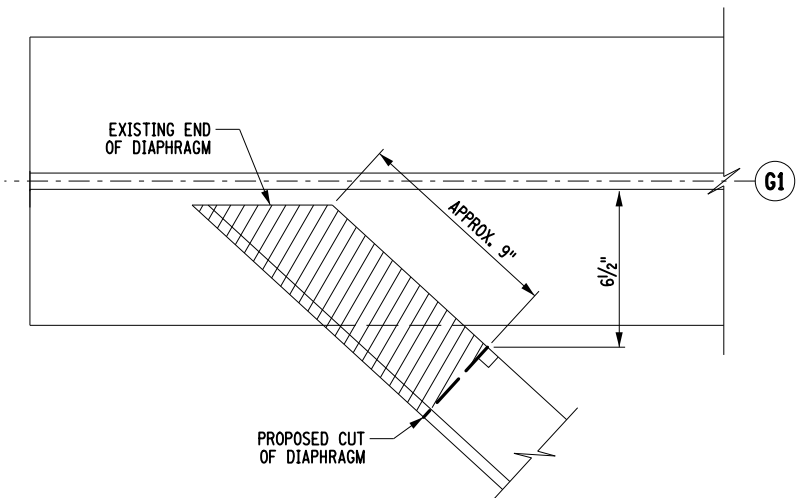
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

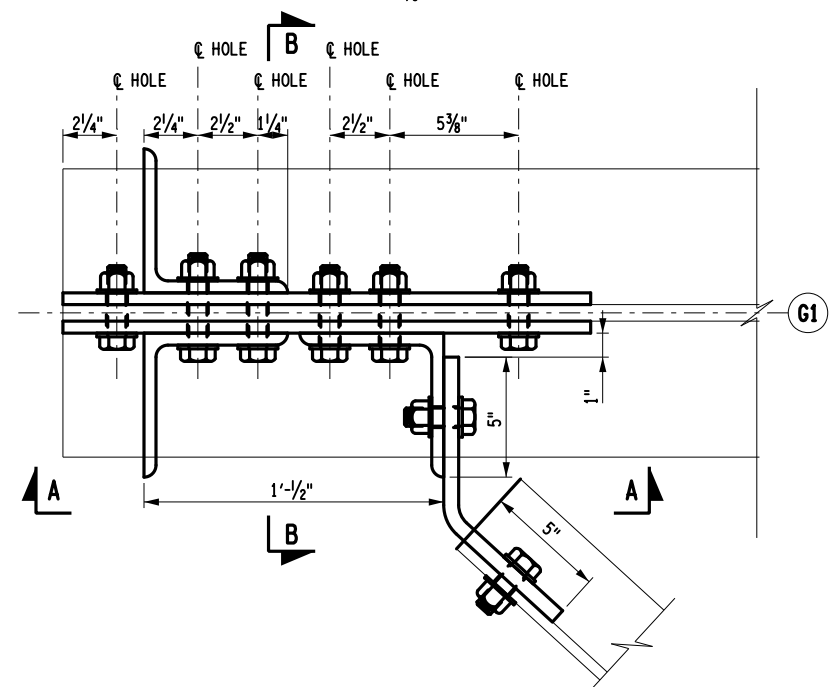
CHECKED BY: J. LANDRY

CHECKED BY: N. PATTERSON

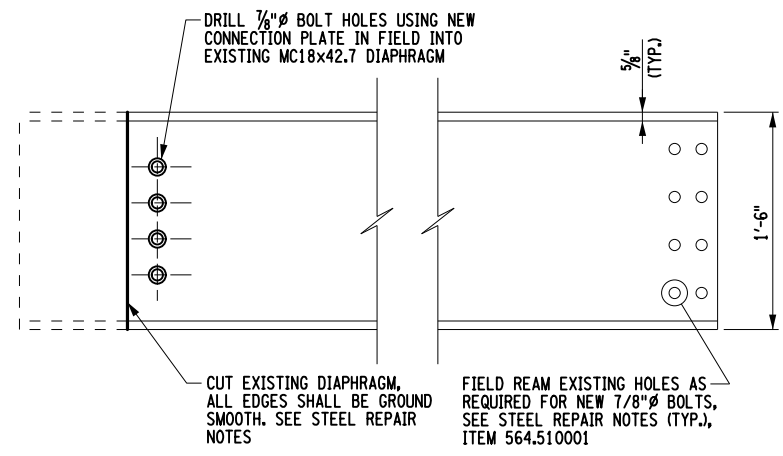
DESIGNED BY: J. ADAMCZAK



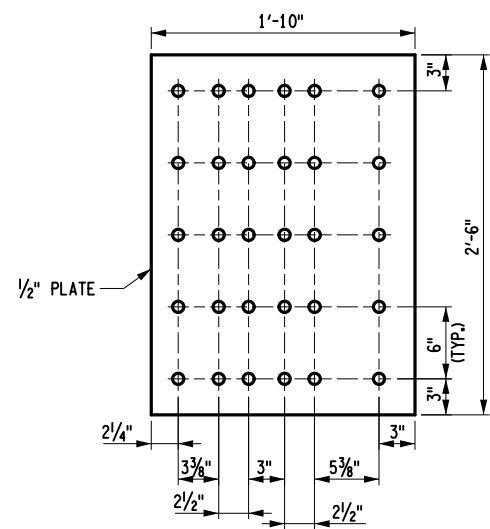
LOC. 1 DIAPHRAGM TRIMMING DETAIL
SCALE: 3/8"=1'-0"



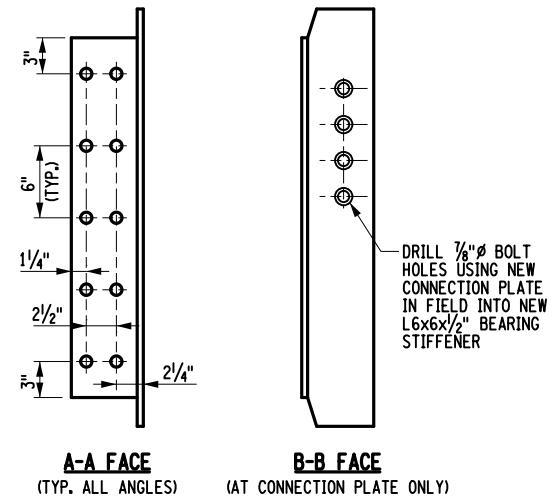
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SCALE: 3/8"=1'-0"



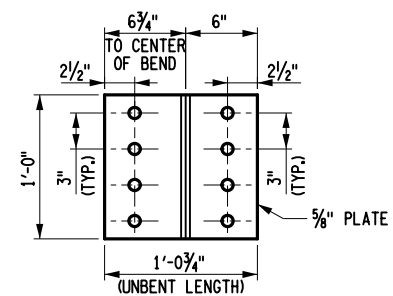
**DETAIL B:
LOC. 1 DIAPHRAGM MODIFICATION DETAIL**
SCALE: 3/4"=1'-0"



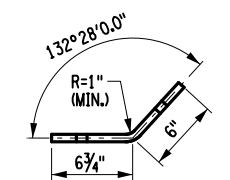
LOC. 1 WEB COVER PLATE BOLT LAYOUT
2 REQUIRED
SCALE: 3/4"=1'-0"



LOC. 1 6x6 ANGLE BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 1 BENT PLATE BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 1 BENT PLATE PLAN
SCALE: 3/4"=1'-0"

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING STEEL REPAIR DETAILS (2 OF 15)	DRAWING NUMBER: ST1-9

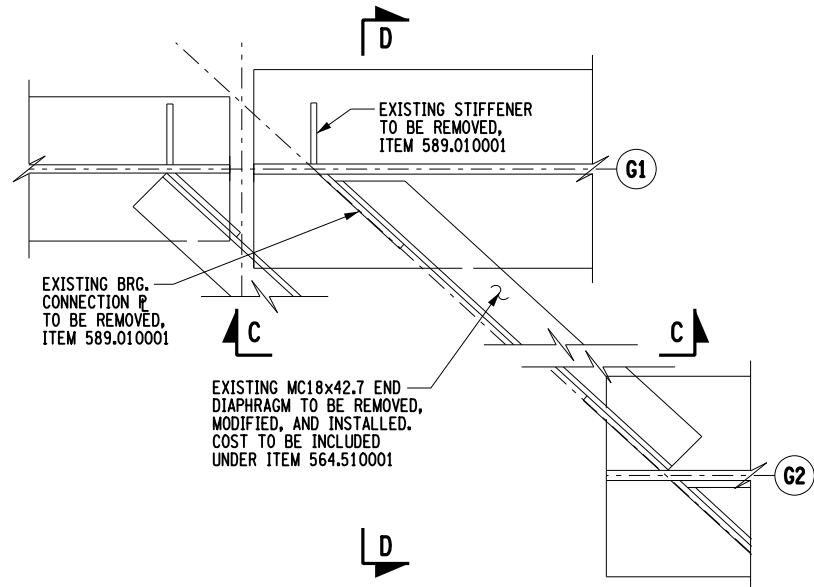
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

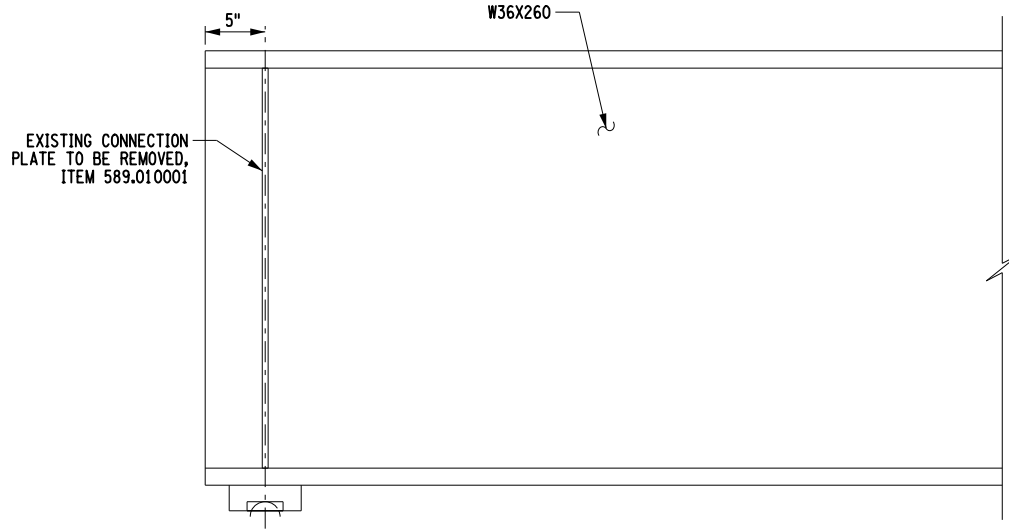
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

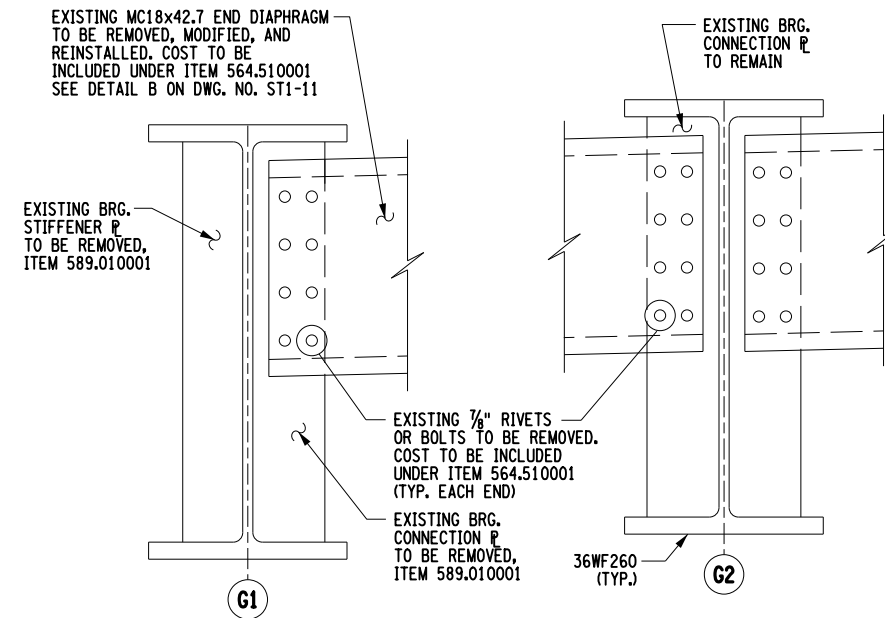
DESIGN SUPERVISOR: J. ADAMCZAK



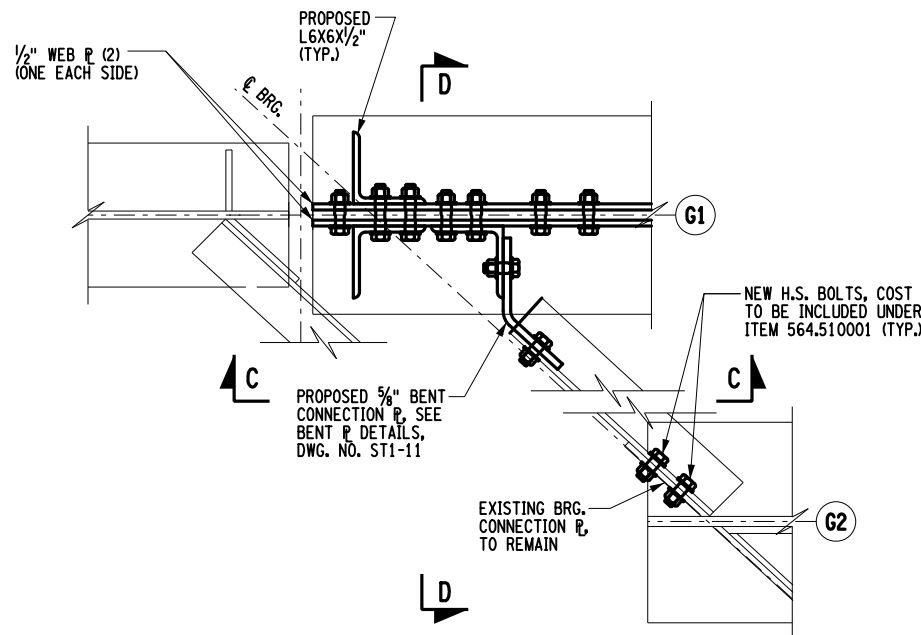
LOCATION 2: PIER 1, SPAN 2, G1
EXISTING
SCALE: 3/4"=1'-0"



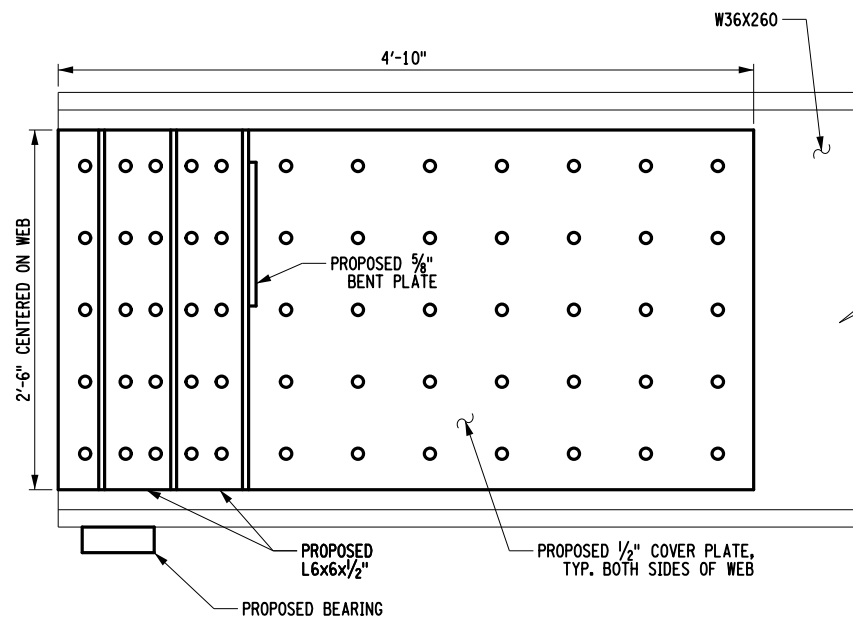
ELEVATION C-C
EXISTING
SCALE: 3/4"=1'-0"



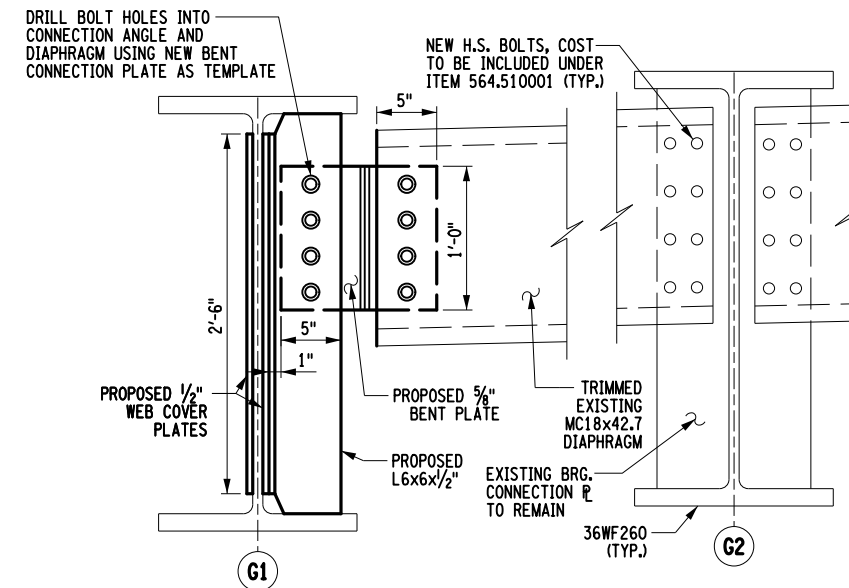
SECTION D-D
EXISTING
SCALE: 3/4"=1'-0"



LOCATION 2: PIER 1, SPAN 2, G1
PROPOSED
SCALE: 3/4"=1'-0"



ELEVATION C-C
PROPOSED
SCALE: 3/4"=1'-0"



SECTION D-D
PROPOSED
SCALE: 3/4"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR WEB PLATE DETAILS, SEE DWG. NO. ST1-11
3. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)
TITLE OF DRAWING
STEEL REPAIR DETAILS
(3 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-10

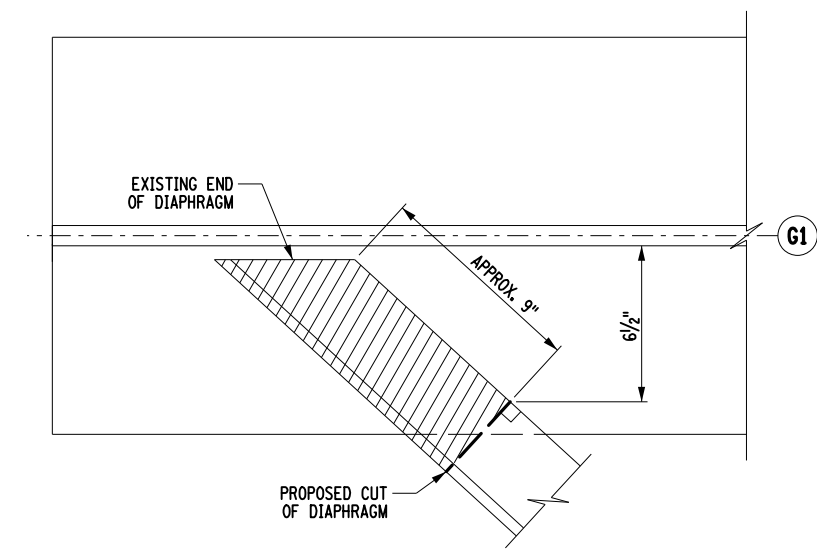
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

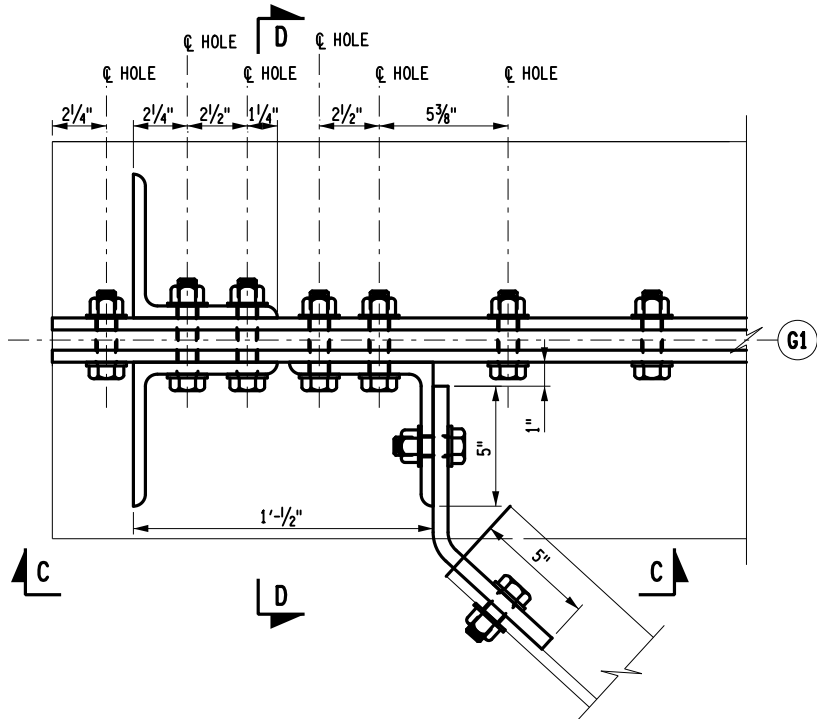
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

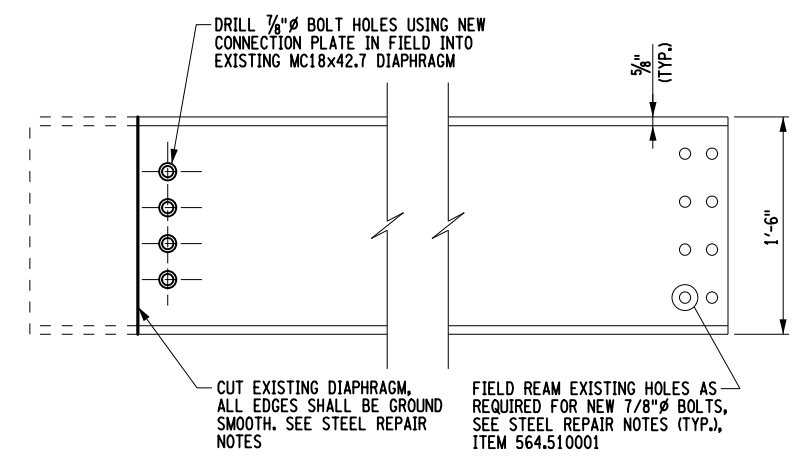
DESIGN SUPERVISOR: J. ADAMCZAK



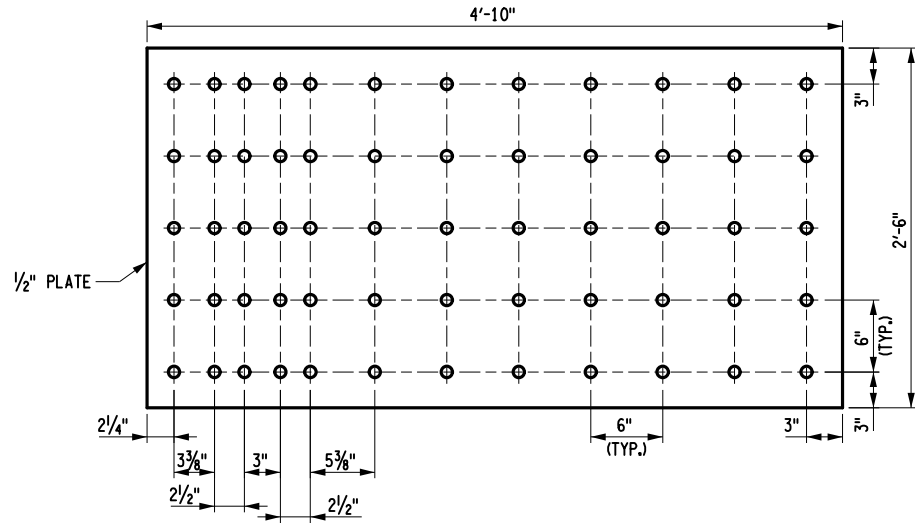
LOC. 2 DIAPHRAGM TRIMMING DETAIL
SCALE: 3/8\"/>



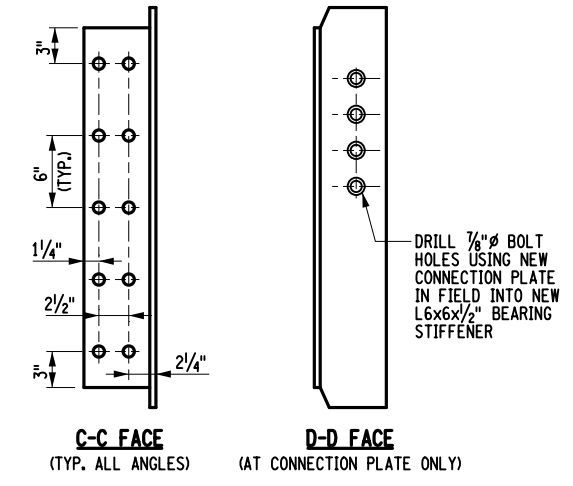
LOC. 2 DIAPHRAGM CONNECTION LAYOUT
SCALE: 3/8\"/>



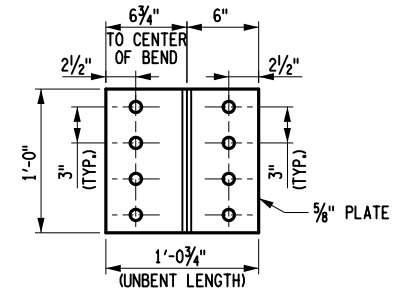
**DETAIL B:
LOC. 2 DIAPHRAGM MODIFICATION DETAIL**
SCALE: 3/4\"/>



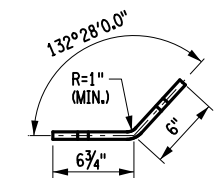
LOC. 2 WEB COVER PLATE BOLT LAYOUT
SCALE: 3/4\"/>



LOC. 2 6x6 ANGLE BOLT LAYOUT
SCALE: 3/4\"/>



LOC. 2 BENT PLATE BOLT LAYOUT
SCALE: 3/4\"/>



LOC. 2 BENT PLATE PLAN
SCALE: 3/4\"/>

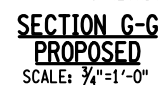
ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- REFERENCE NOTES:**
1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
 2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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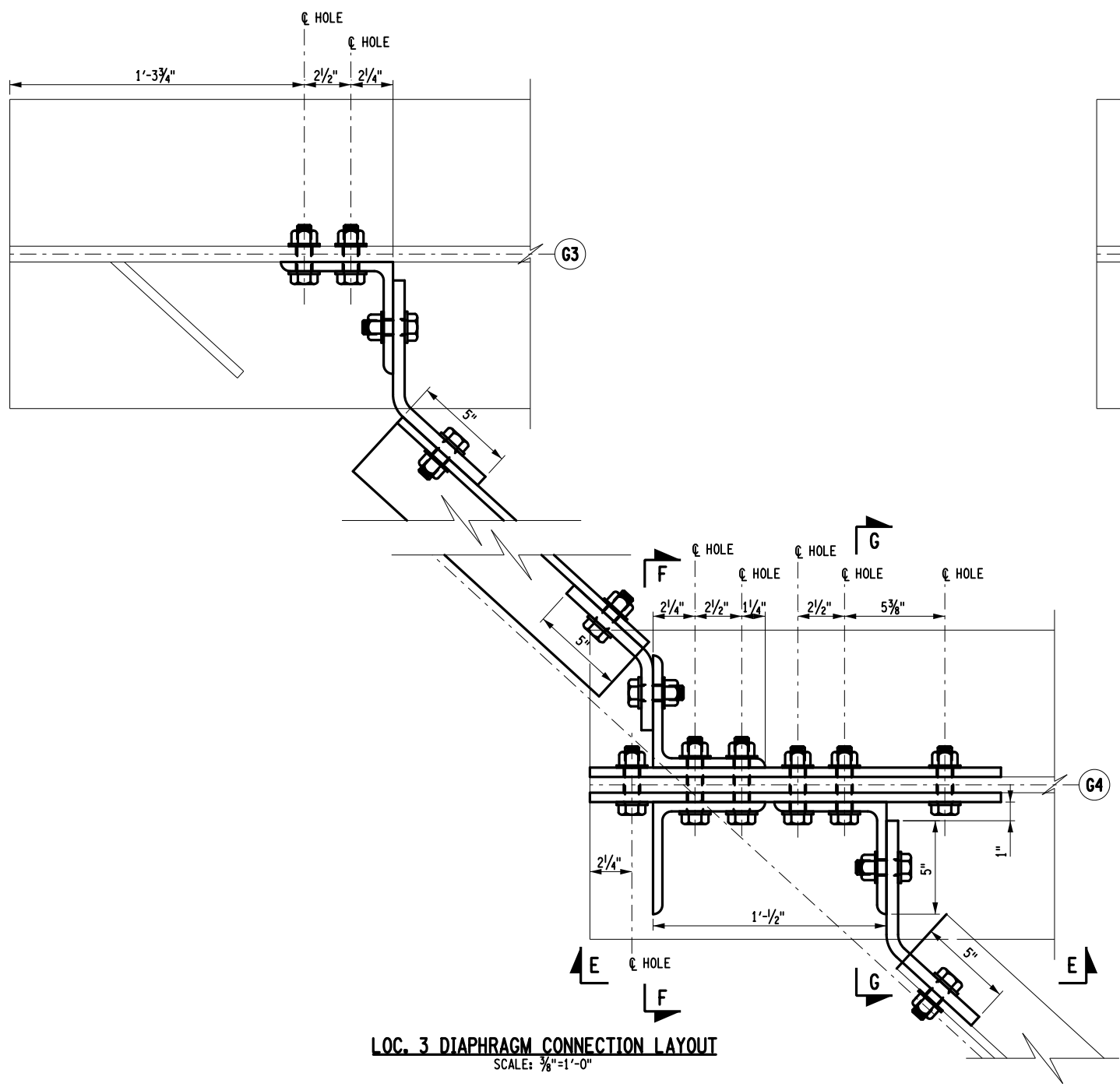
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI	Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
		LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING STEEL REPAIR DETAILS (4 OF 15)		DRAWING NUMBER: ST1-11	

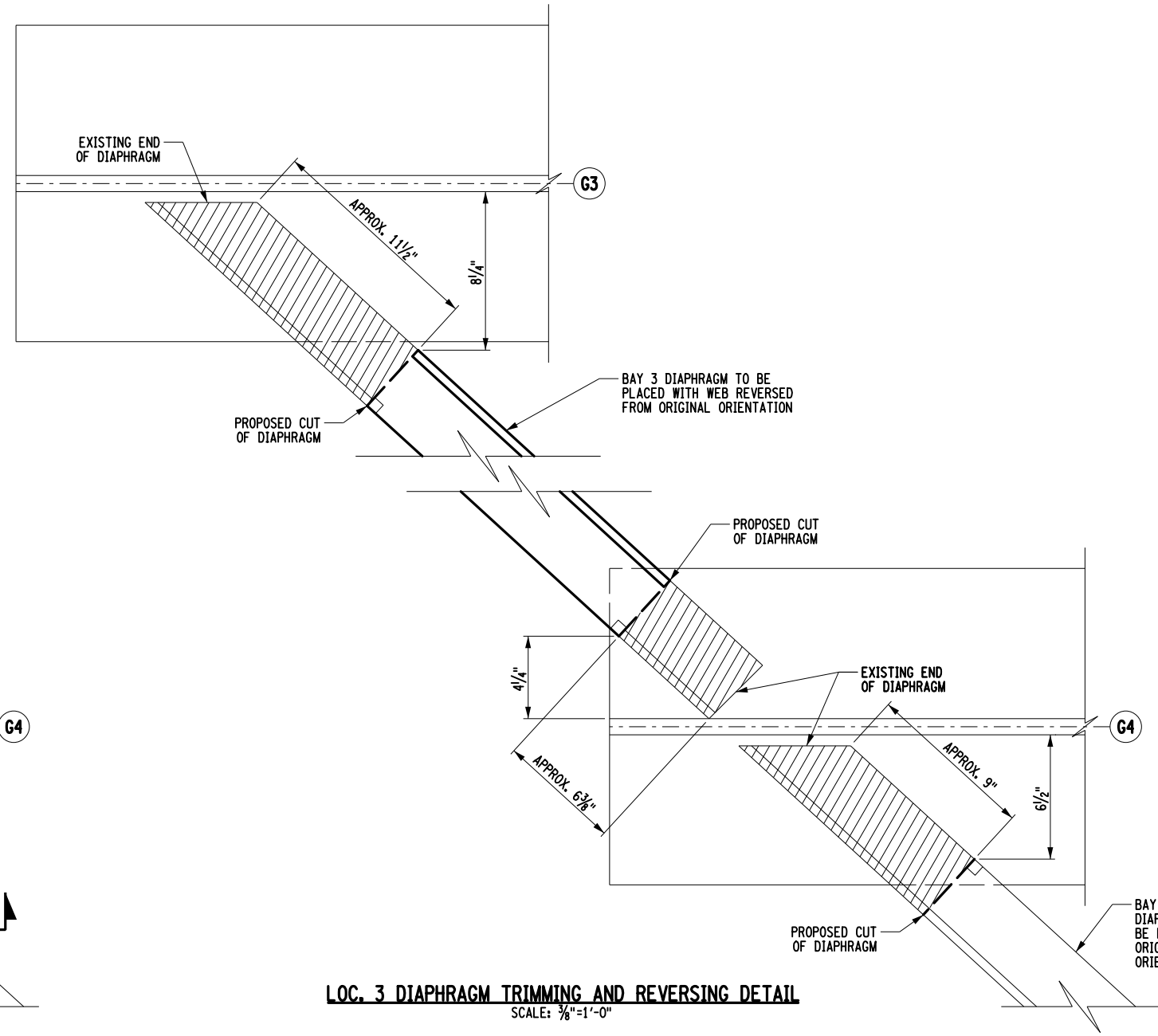


CONTRACT NUMBER:	TAA 26-19
DATE:	08/26/2026
DRAWING NUMBER:	ST1-12

CHECKED BY: J. ADAMCZAK
DRAFTED BY: F. CUOCCIO
CHECKED BY: J. LANDRY
DESIGNED BY: N. PATTERSON
DESIGN SUPERVISOR: J. ADAMCZAK



LOC. 3 DIAPHRAGM CONNECTION LAYOUT
SCALE: 3/8"=1'-0"



LOC. 3 DIAPHRAGM TRIMMING AND REVERSING DETAIL
SCALE: 3/8"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- REFERENCE NOTES:**
1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
 2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: ST1-13
	TITLE OF DRAWING STEEL REPAIR DETAILS (6 OF 15)	

CHECKED BY: J. ADAMCZAK

F. CUOCCIO

DRAFTED BY:

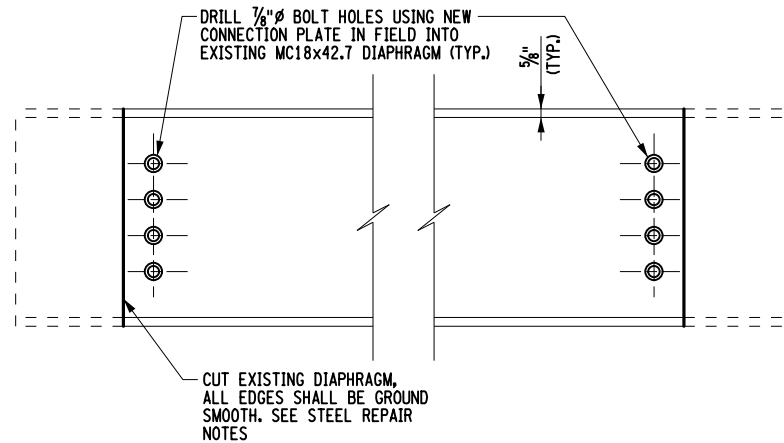
J. LANDRY

CHECKED BY:

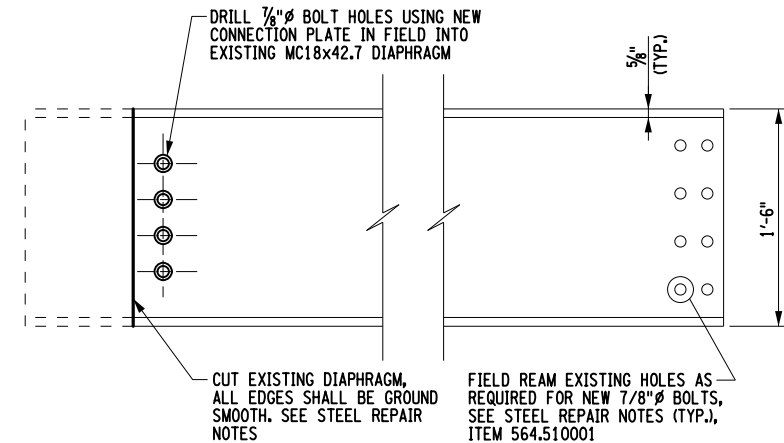
N. PATTERSON

DESIGNED BY:

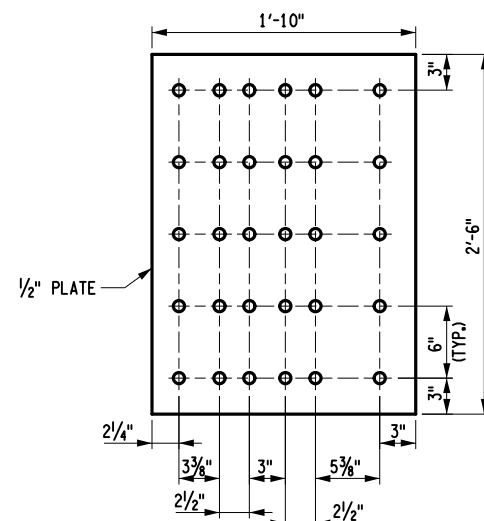
DESIGN SUPERVISOR: J. ADAMCZAK



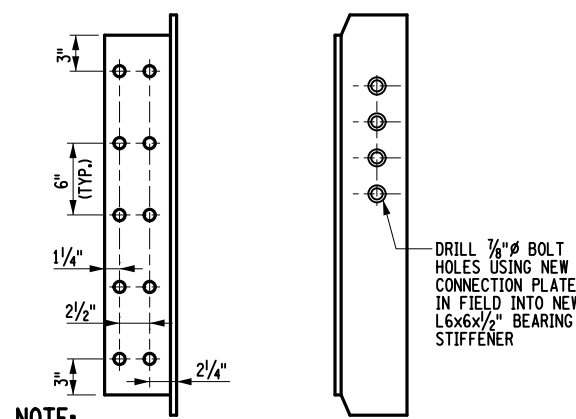
DETAIL B:
LOC. 3 BAY 3 DIAPHRAGM MODIFICATION DETAIL
SCALE: 3/4"=1'-0"



DETAIL C:
LOC. 3 BAY 4 DIAPHRAGM MODIFICATION DETAIL
SCALE: 3/4"=1'-0"



LOC. 3 WEB COVER PLATE BOLT LAYOUT
2 REQUIRED
SCALE: 3/4"=1'-0"

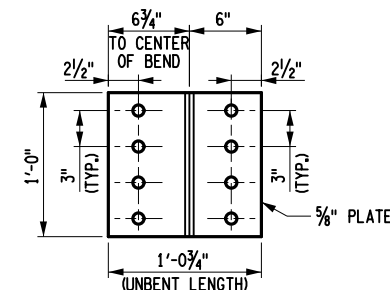


NOTE:
SEE DWG. NO. ST1-12
FOR SECTION LOCATIONS

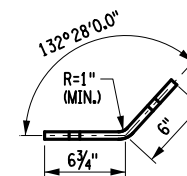
E-E FACE
(TYP. ALL ANGLES)

F-F OR G-G FACE
(AT CONNECTION PLATES ONLY)

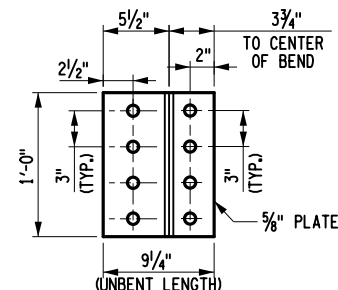
LOC. 3 6x6 ANGLE BOLT LAYOUT
SCALE: 3/4"=1'-0"



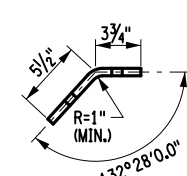
LOC. 3 BENT PLATE TYPE A BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 3 BENT PLATE TYPE A PLAN
SCALE: 3/4"=1'-0"



LOC. 3 BENT PLATE TYPE B BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 3 BENT PLATE TYPE B PLAN
SCALE: 3/4"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)
TITLE OF DRAWING
STEEL REPAIR DETAILS
(7 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-14

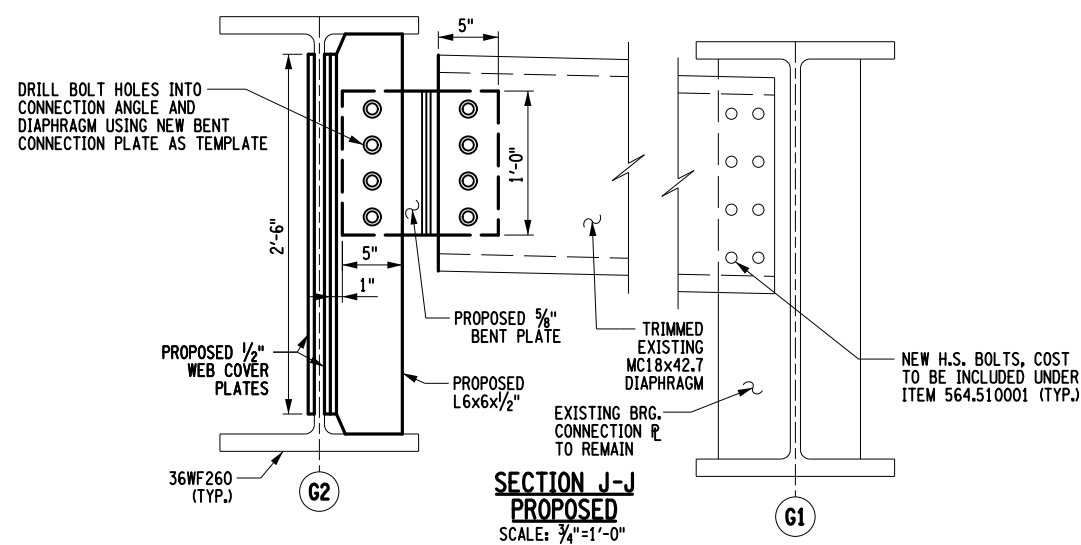
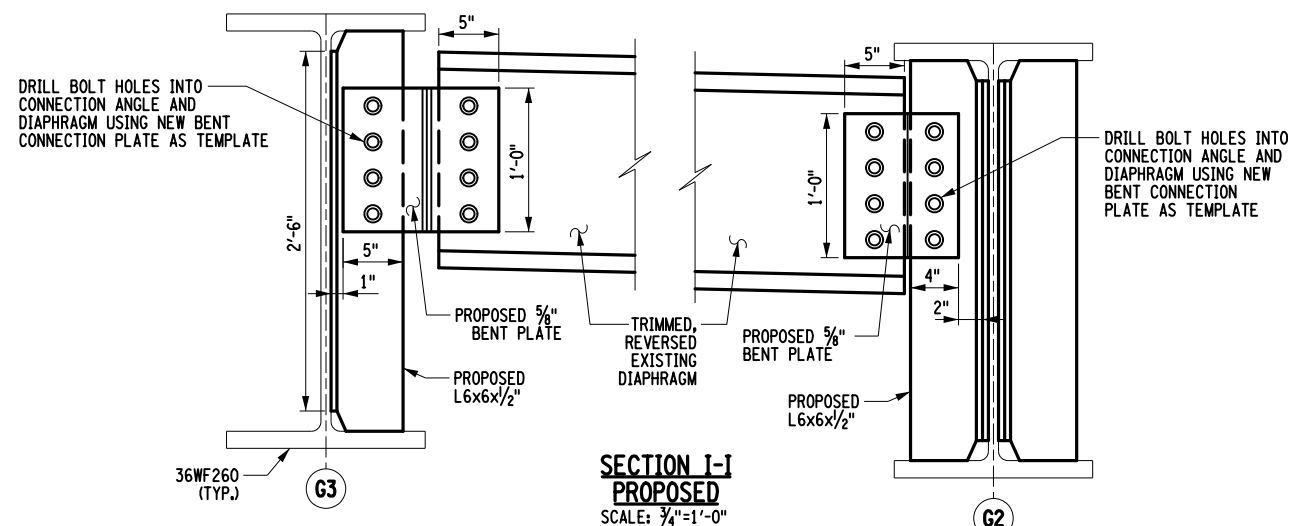
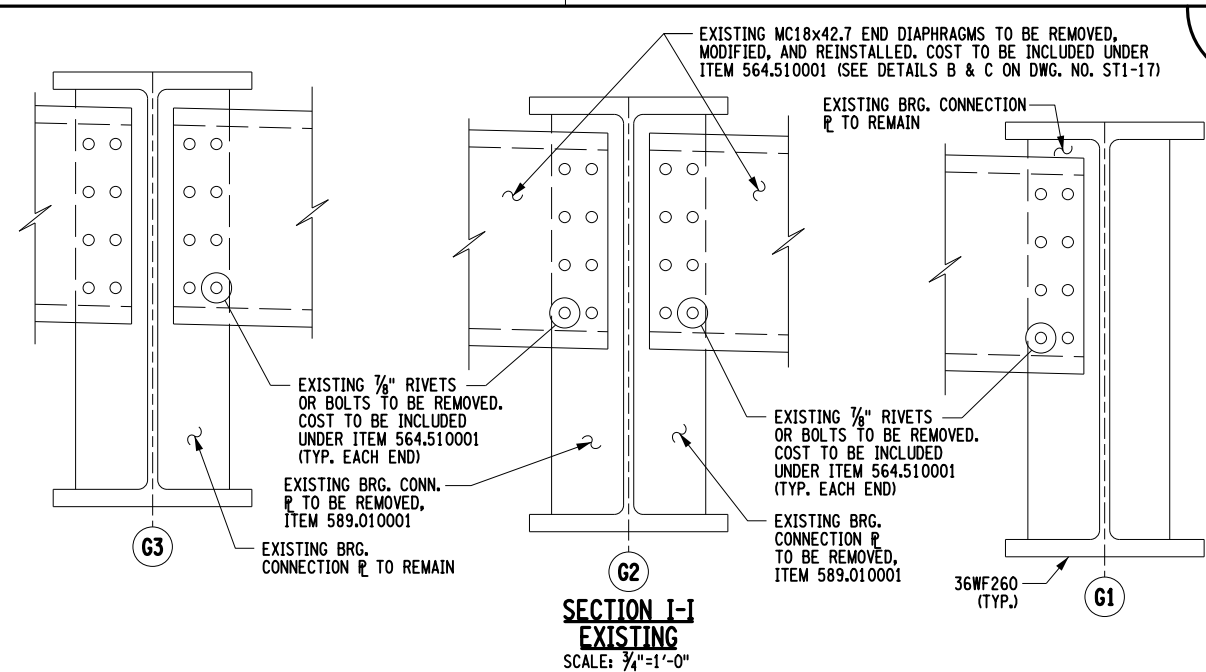
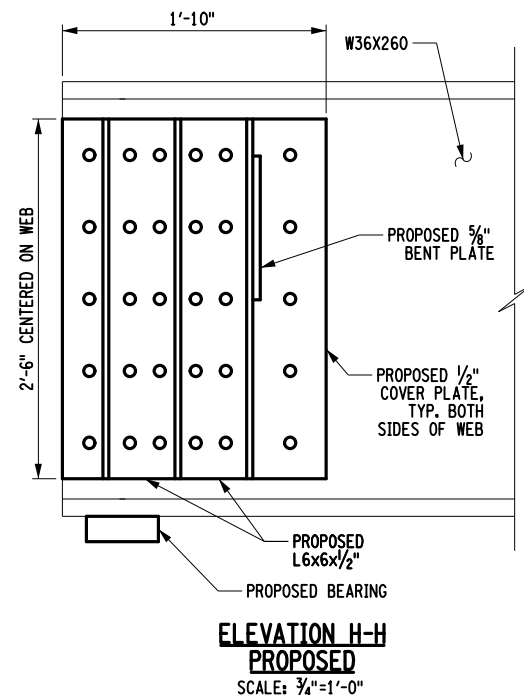
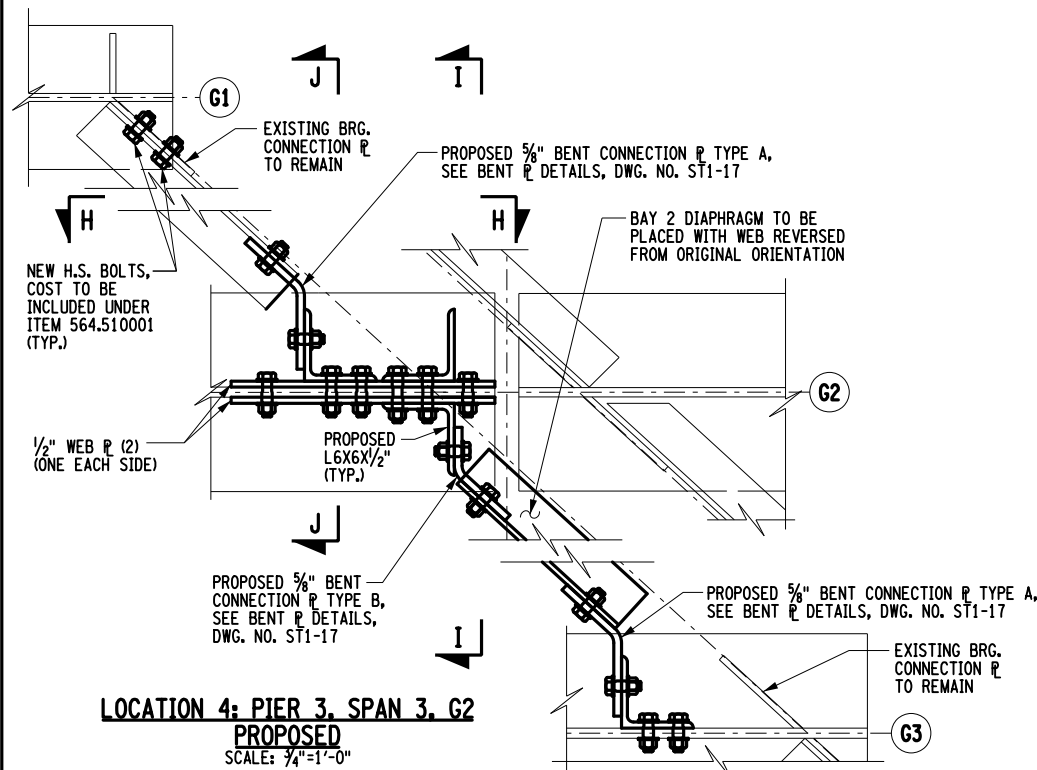
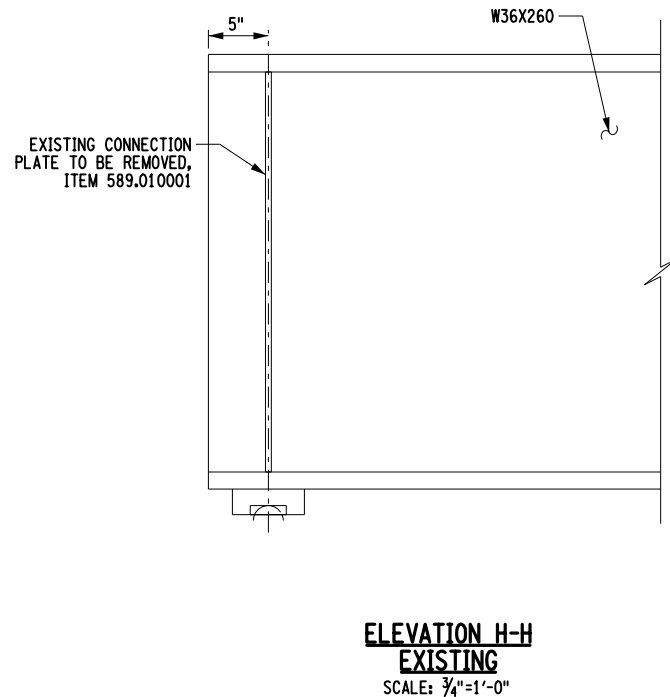
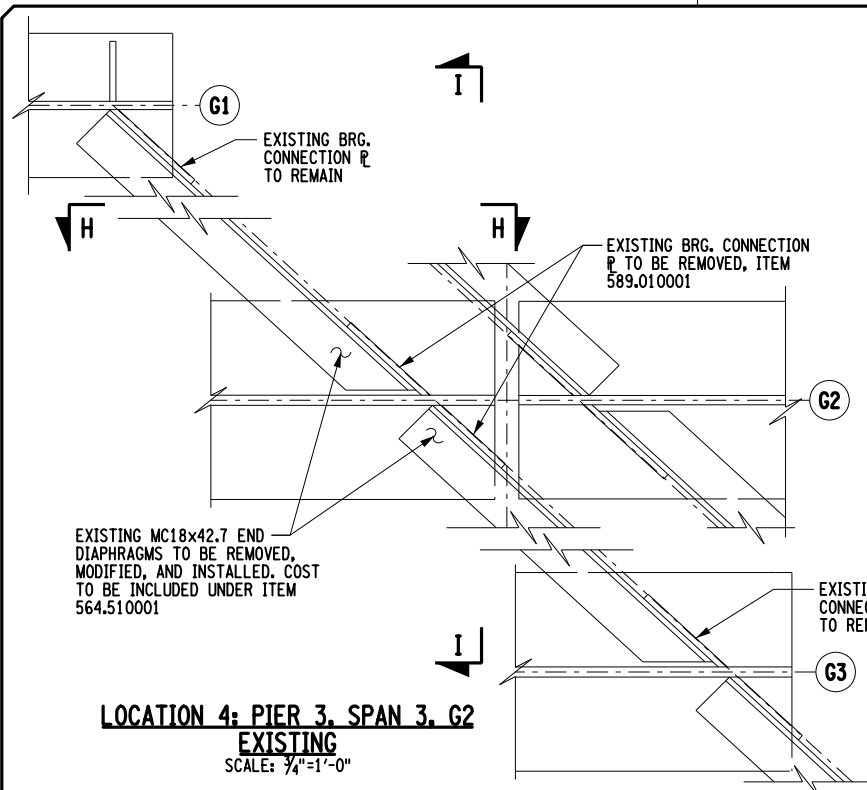
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR WEB PLATE DETAILS, SEE DWG. NO. ST1-17
3. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(8 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-15



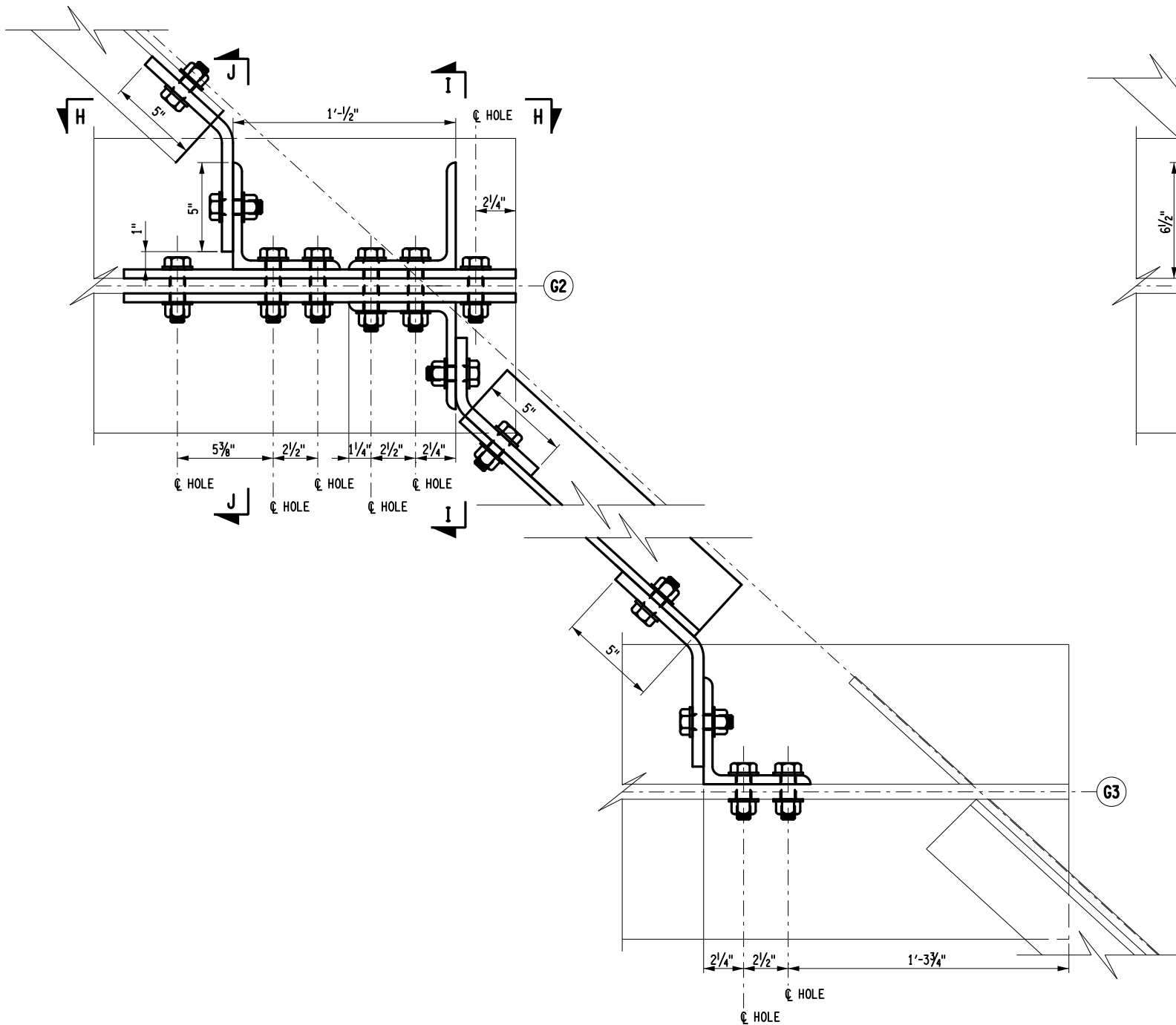
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

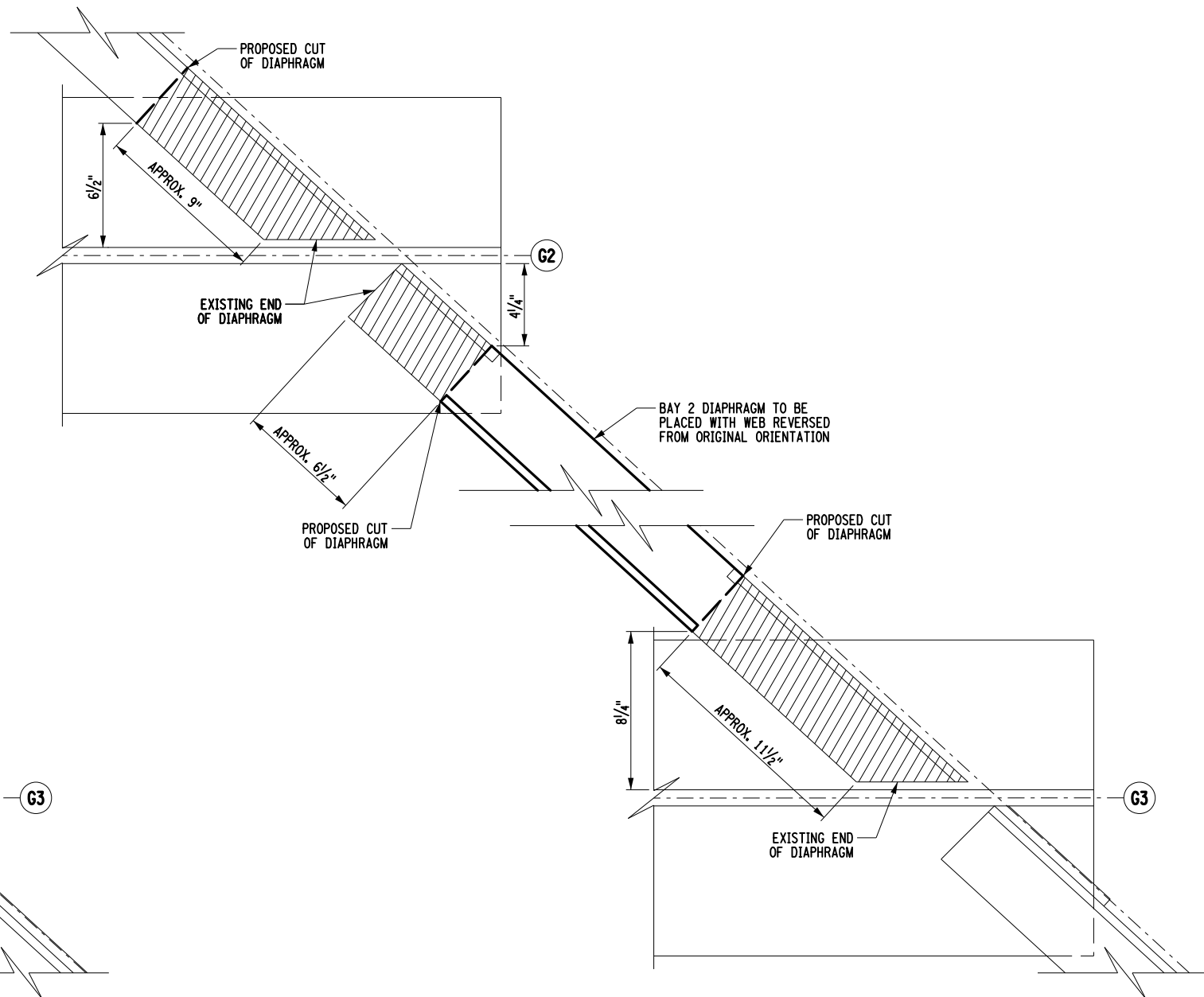
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

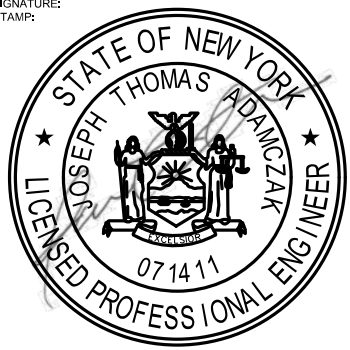
DESIGN SUPERVISOR: J. ADAMCZAK



LOC. 4 DIAPHRAGM CONNECTION LAYOUT
SCALE: 3/8"=1'-0"



LOC. 4 DIAPHRAGM TRIMMING AND REVERSING DETAIL
SCALE: 3/8"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)
TITLE OF DRAWING
STEEL REPAIR DETAILS
(9 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-16

CHECKED BY: J. ADAMCZAK

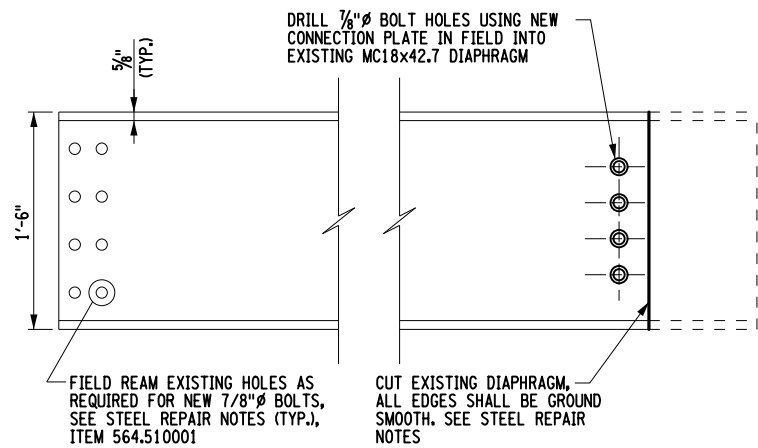
DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

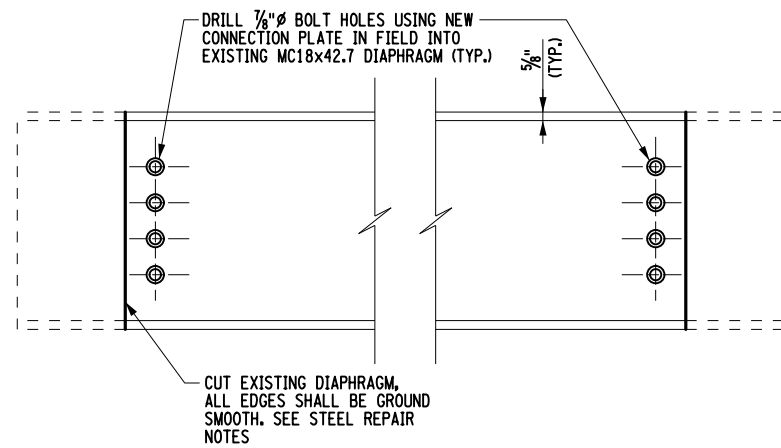
DRAFTED BY: N. PATTERSON

CHECKED BY: J. ADAMCZAK

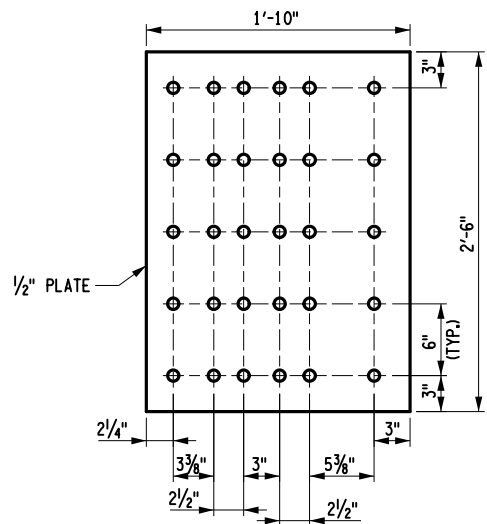
DRAFTED BY: J. ADAMCZAK



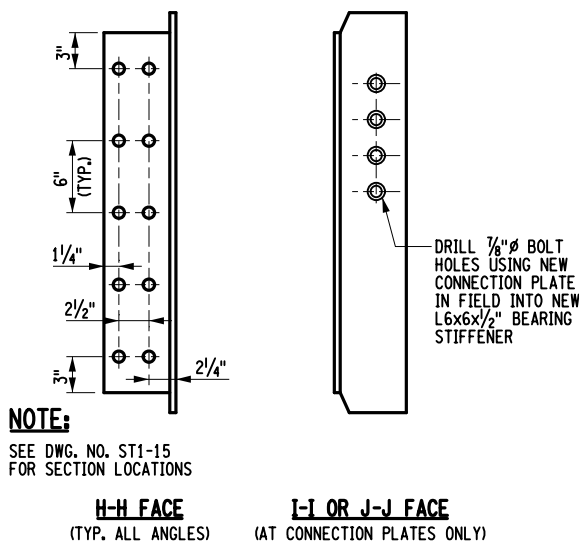
DETAIL B:
LOC. 4 BAY 1 DIAPHRAGM MODIFICATION DETAIL
SCALE: 3/4"=1'-0"



DETAIL C:
LOC. 4 BAY 2 DIAPHRAGM MODIFICATION DETAIL
SCALE: 3/4"=1'-0"

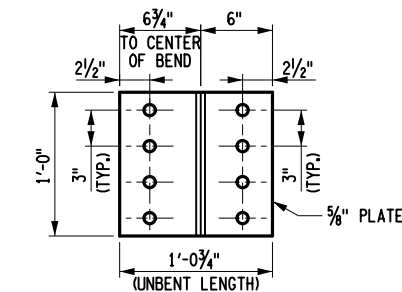


LOC. 4 WEB COVER PLATE BOLT LAYOUT
2 REQUIRED
SCALE: 3/4"=1'-0"

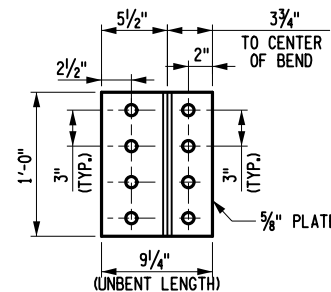


H-H FACE
(TYP. ALL ANGLES)

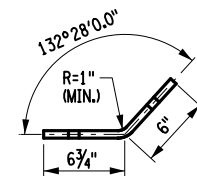
I-I OR J-J FACE
(AT CONNECTION PLATES ONLY)



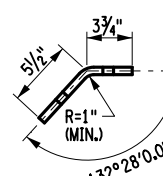
LOC. 4 BENT PLATE TYPE A BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 4 BENT PLATE TYPE B BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 4 BENT PLATE TYPE A PLAN
SCALE: 3/4"=1'-0"



LOC. 4 BENT PLATE TYPE B PLAN
SCALE: 3/4"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(10 OF 15)

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST1-17

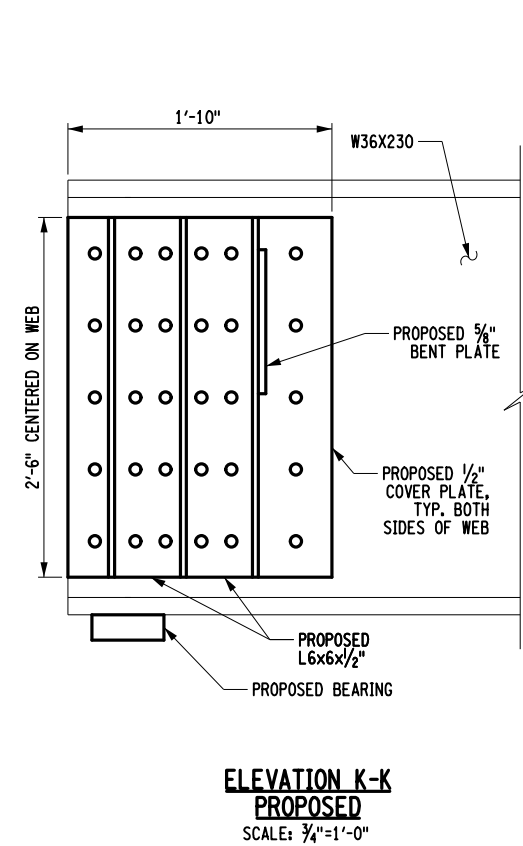
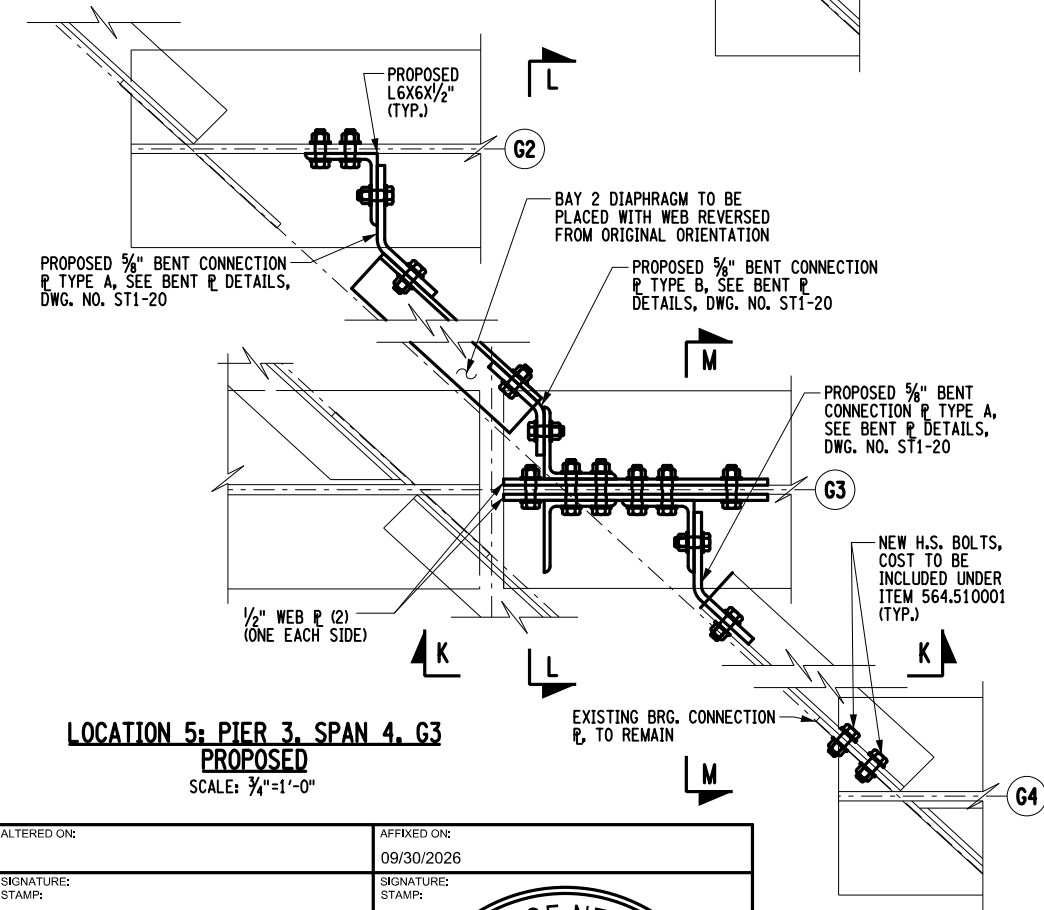
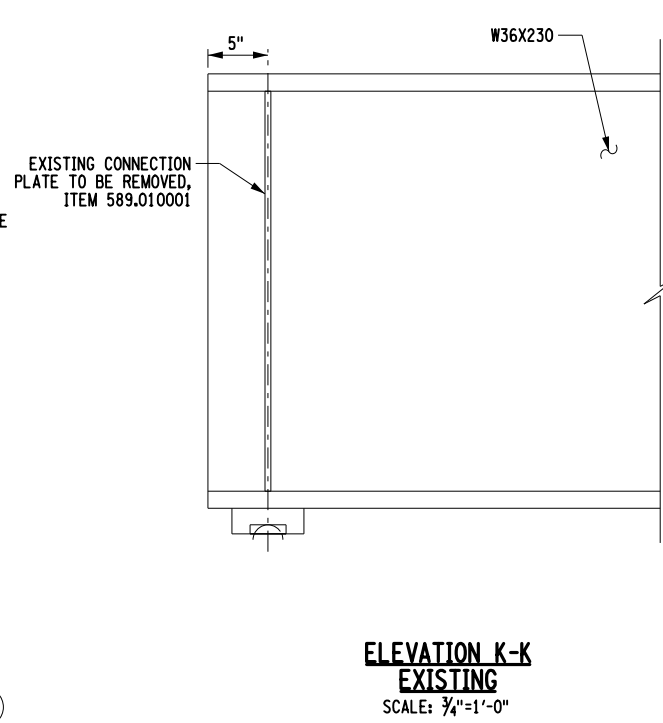
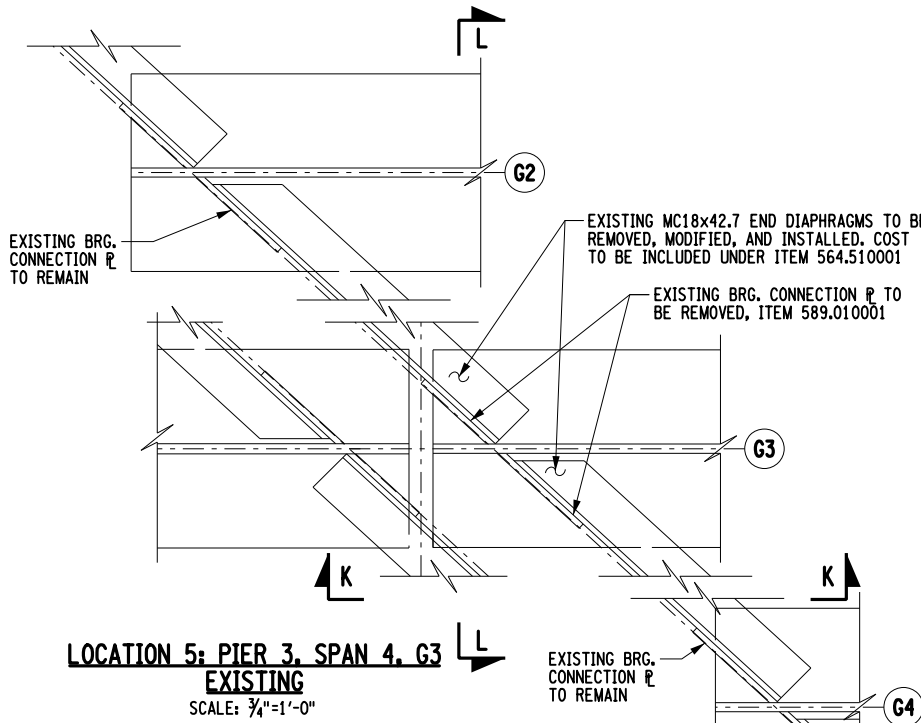
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

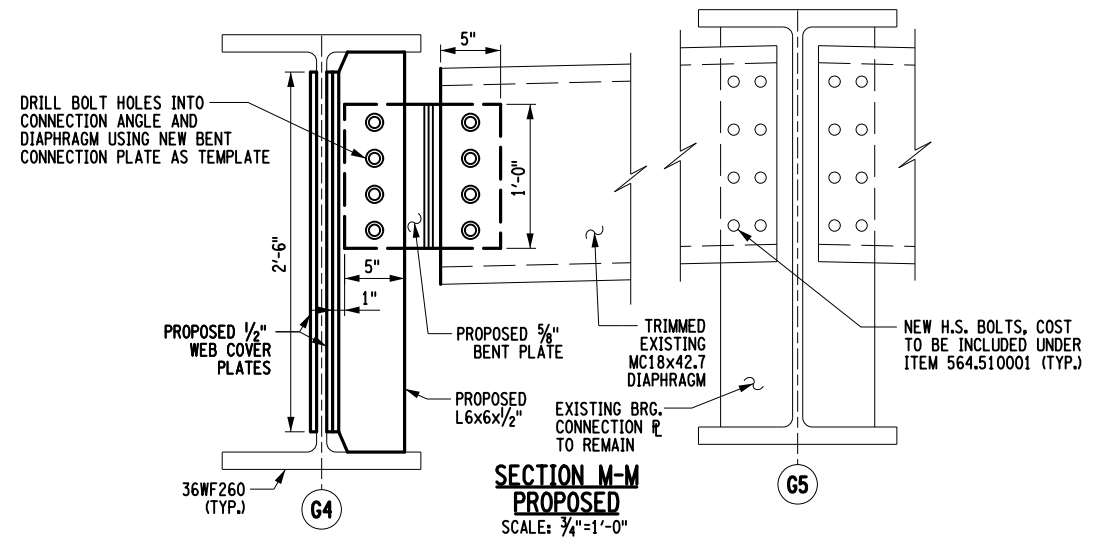
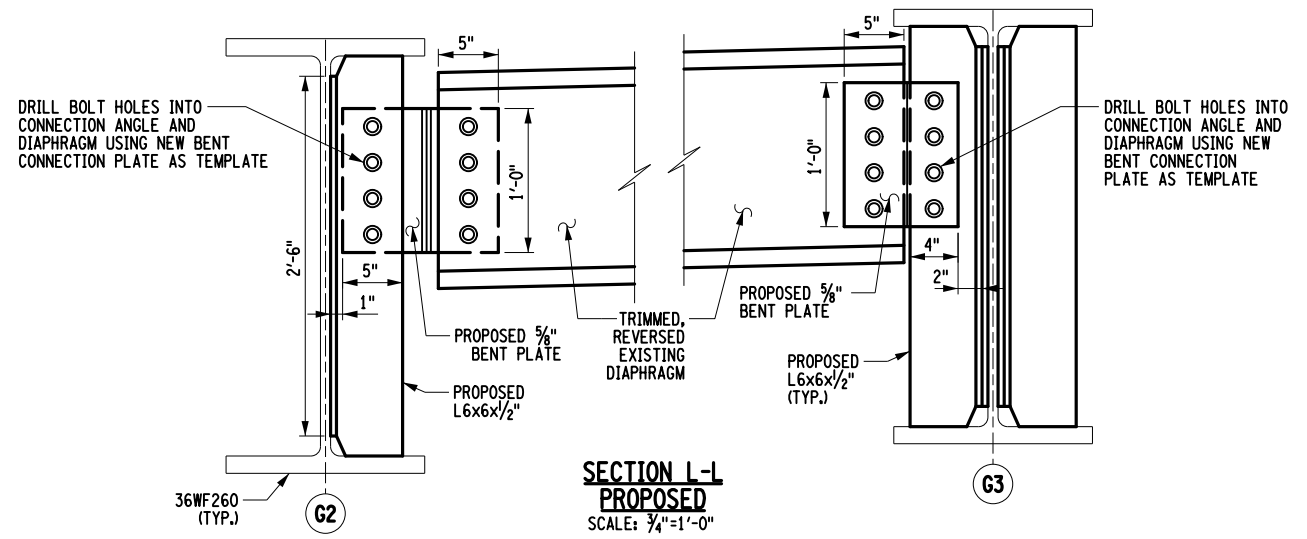
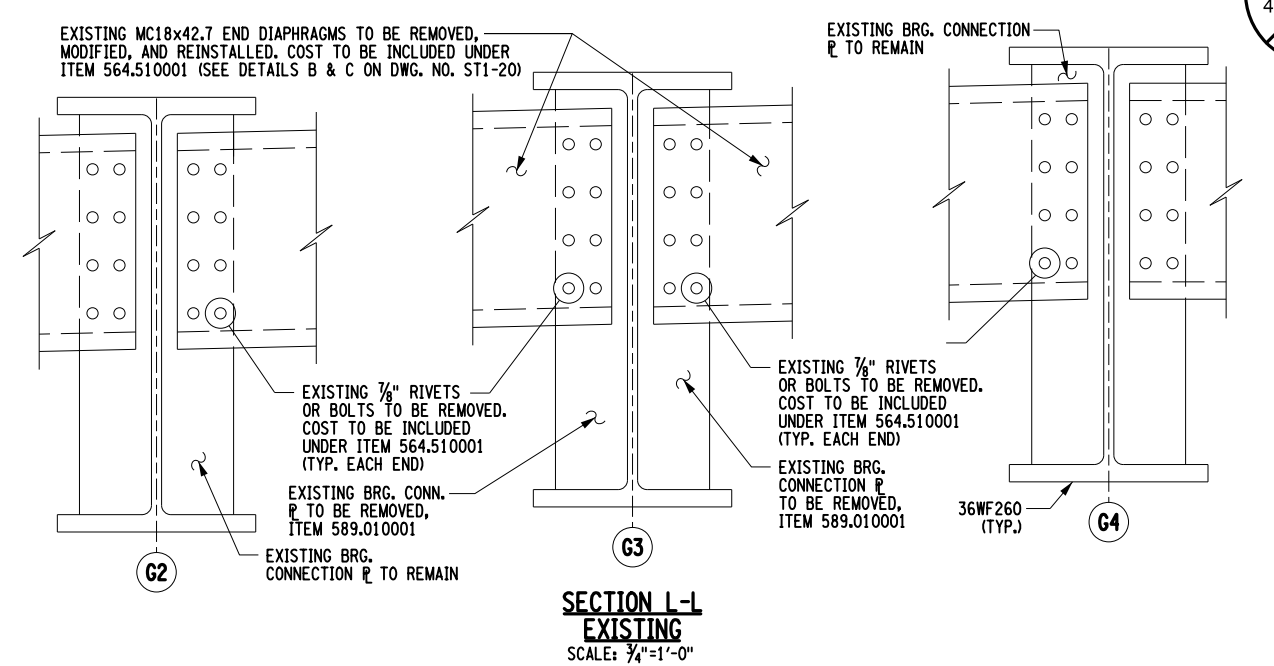
DESIGN SUPERVISOR: J. ADAMCZAK



REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR WEB PLATE DETAILS, SEE DWG. NO. ST1-20
3. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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ALTERED ON: 09/30/2026

SIGNATURE: STAMP:

AFFIXED ON: 09/30/2026

SIGNATURE: STAMP:

STATE OF NEW YORK

JOSEPH THOMAS ADAMCZAK

07 14 11

LICENSED PROFESSIONAL ENGINEER

EXPIRATION: 05/31/27

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE

Thruway Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT: REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT: RT. 9W BRIDGE MP 123.69 (BIN 1053550)

TITLE OF DRAWING: STEEL REPAIR DETAILS (11 OF 15)

CONTRACT NUMBER: TAA 26-19B

DATE: 08/26/2026

DRAWING NUMBER: ST1-18

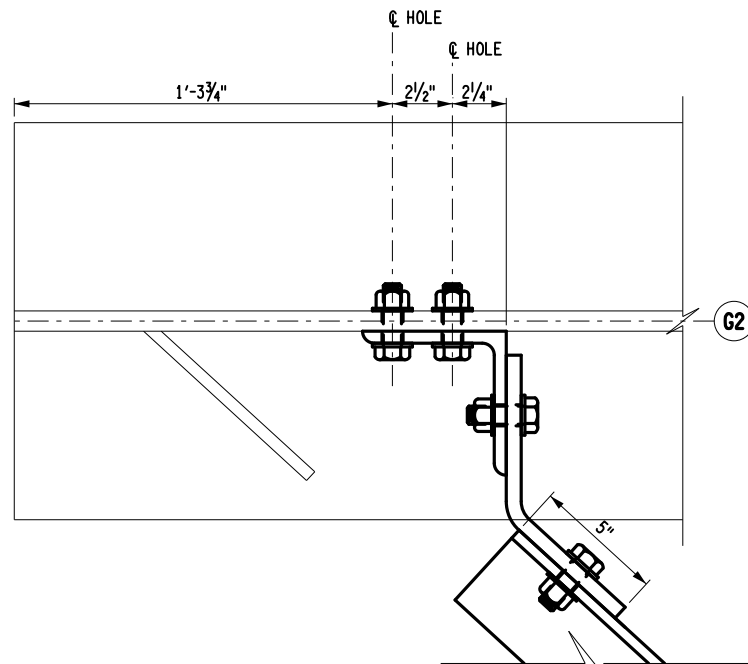
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

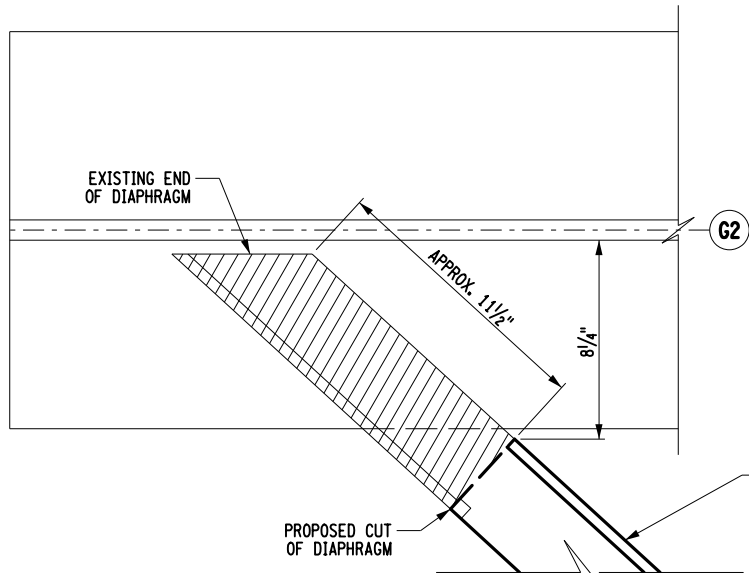
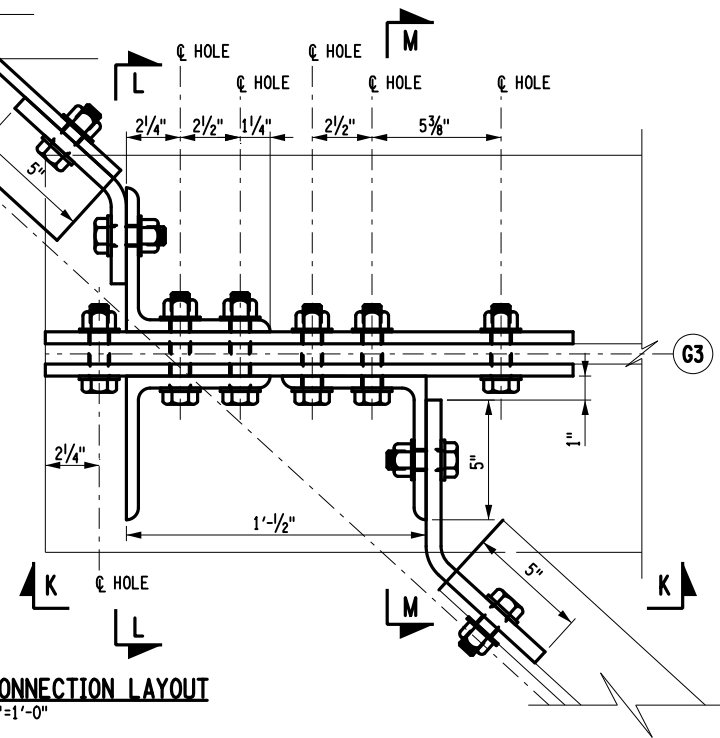
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

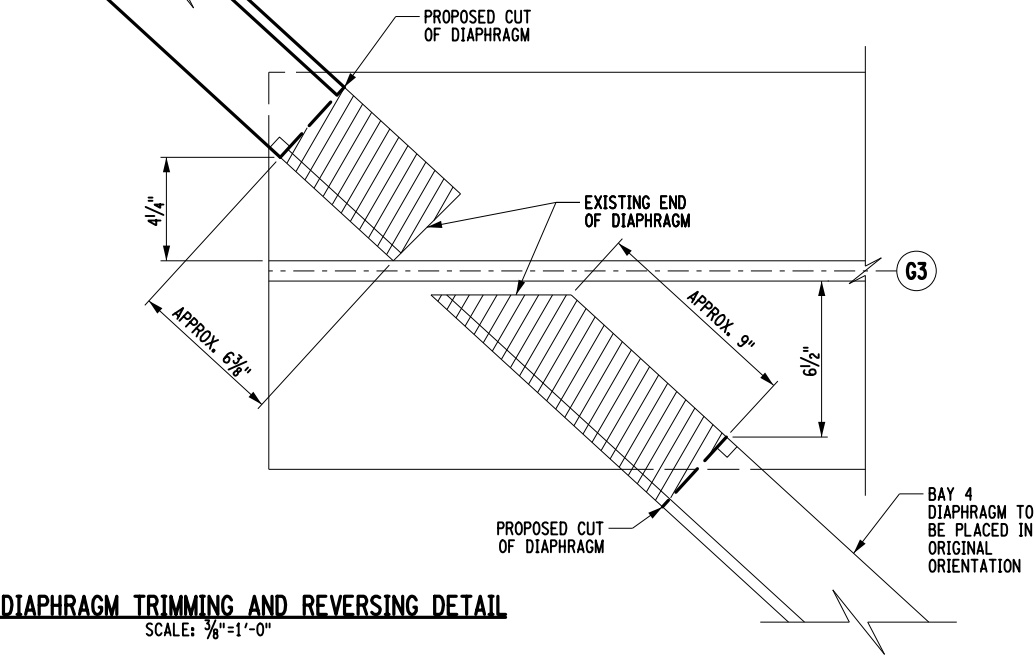
DESIGN SUPERVISOR: J. ADAMCZAK



LOC. 5 DIAPHRAGM CONNECTION LAYOUT
SCALE: 3/8"=1'-0"



LOC. 5 DIAPHRAGM TRIMMING AND REVERSING DETAIL
SCALE: 3/8"=1'-0"



ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

JOSEPH THOMAS ADAMCZAK
LICENSED PROFESSIONAL ENGINEER
071411
EXPIRATION: 05/31/27

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(12 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-19

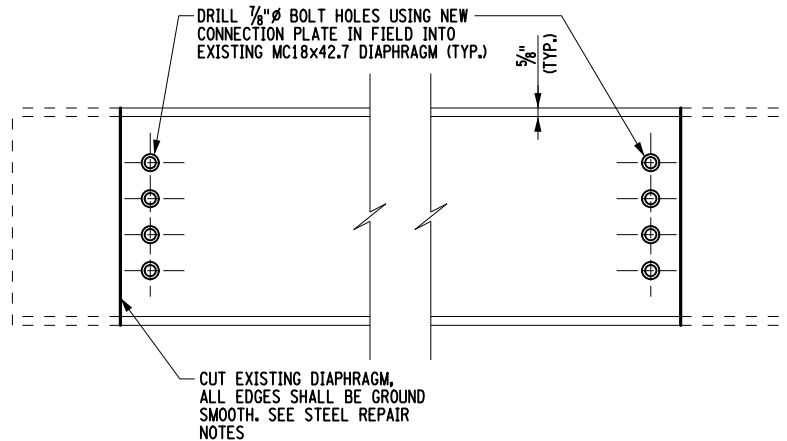
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

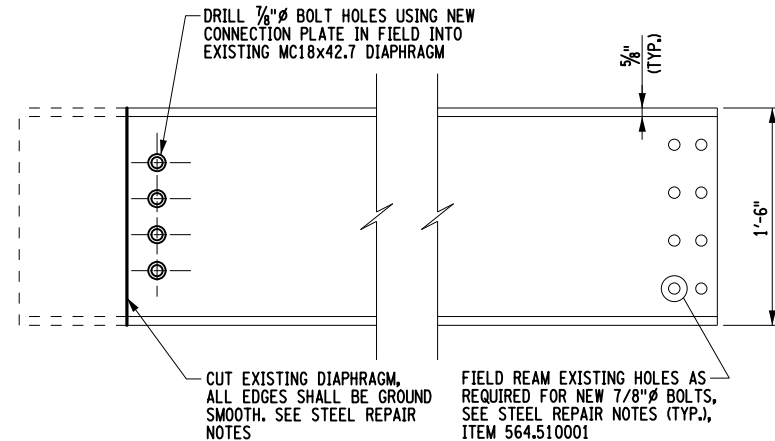
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

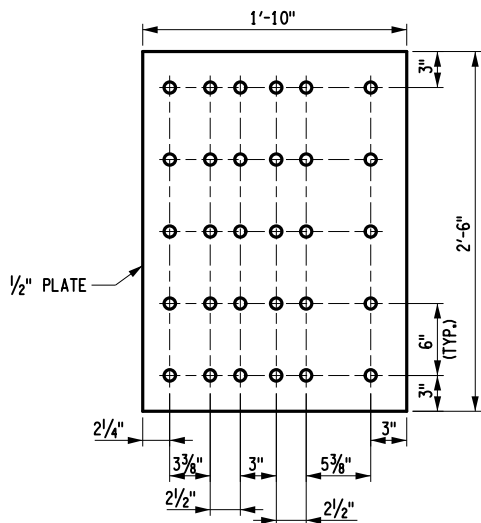
DESIGN SUPERVISOR: J. ADAMCZAK



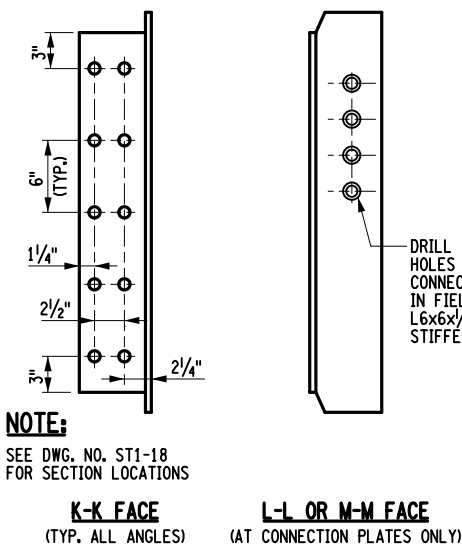
DETAIL B:
LOC. 5 BAY 2 DIAPHRAGM MODIFICATION DETAIL
SCALE: 3/4"=1'-0"



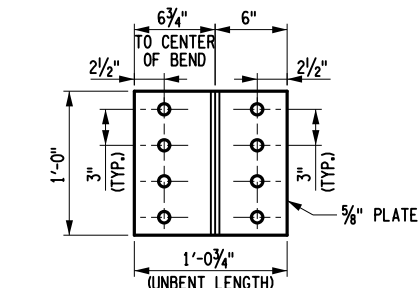
DETAIL C:
LOC. 5 BAY 3 DIAPHRAGM MODIFICATION DETAIL
SCALE: 3/4"=1'-0"



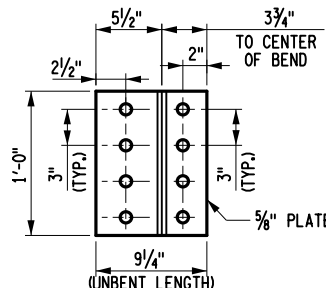
LOC. 5 WEB COVER PLATE BOLT LAYOUT
2 REQUIRED
SCALE: 3/4"=1'-0"



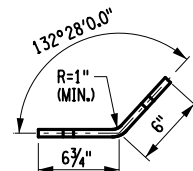
LOC. 5 6x6 ANGLE BOLT LAYOUT
SCALE: 3/4"=1'-0"



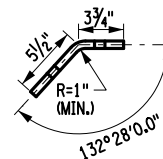
LOC. 5 BENT PLATE TYPE A BOLT LAYOUT
SCALE: 3/4"=1'-0"



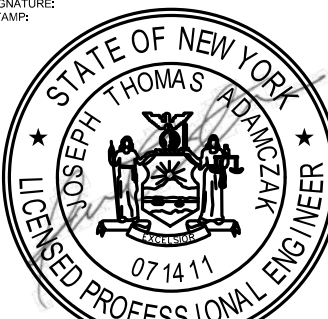
LOC. 5 BENT PLATE TYPE B BOLT LAYOUT
SCALE: 3/4"=1'-0"



LOC. 5 BENT PLATE TYPE A PLAN
SCALE: 3/4"=1'-0"



LOC. 5 BENT PLATE TYPE B PLAN
SCALE: 3/4"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(13 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-20

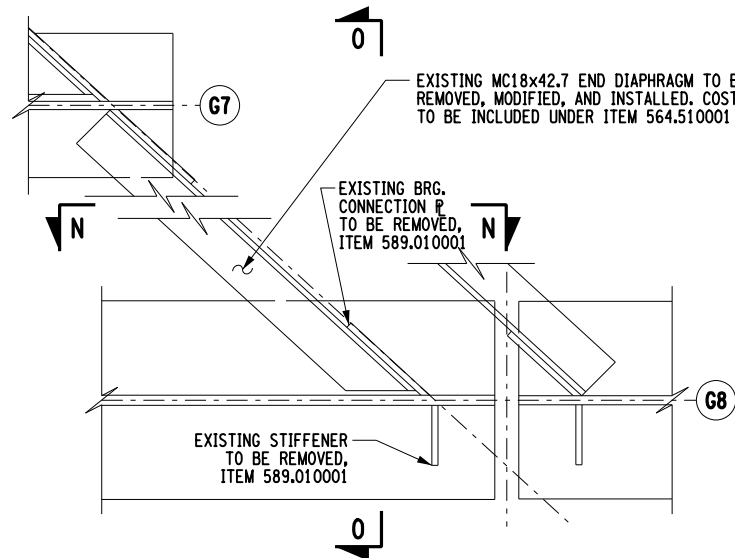
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

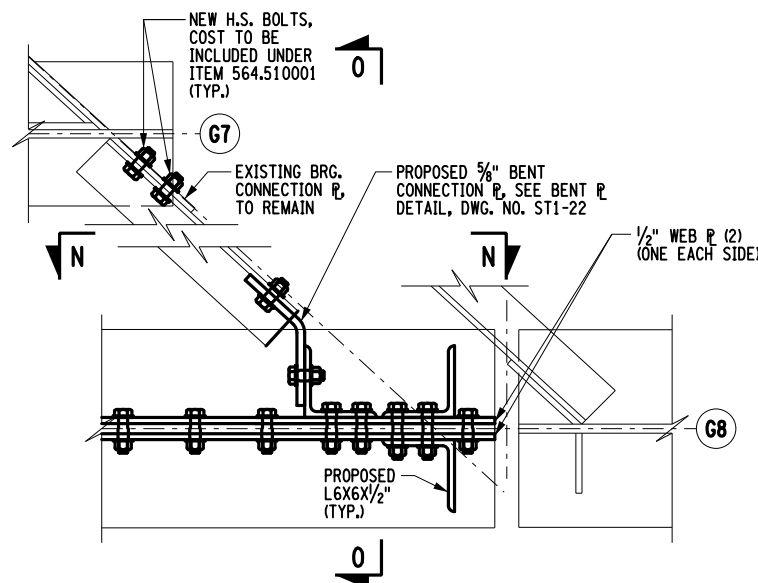
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

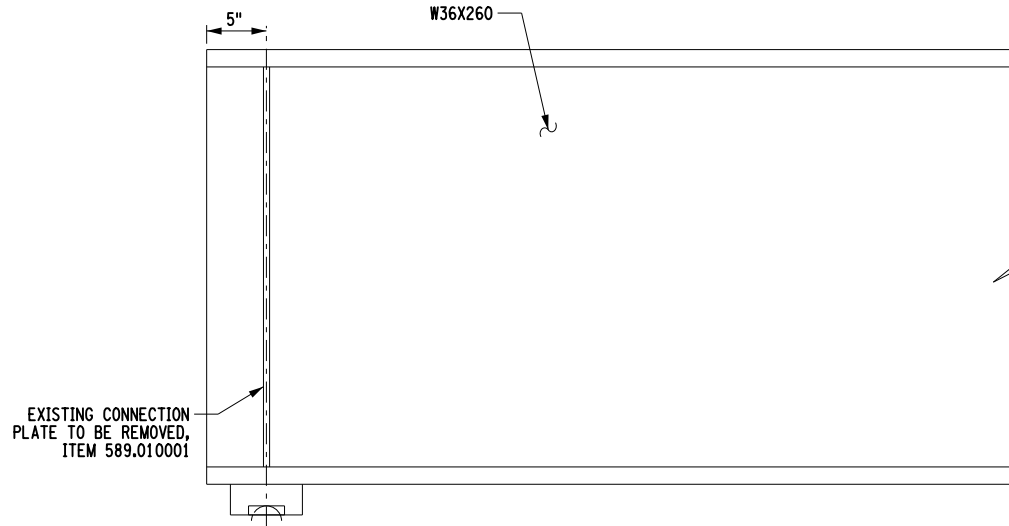
DESIGN SUPERVISOR: J. ADAMCZAK



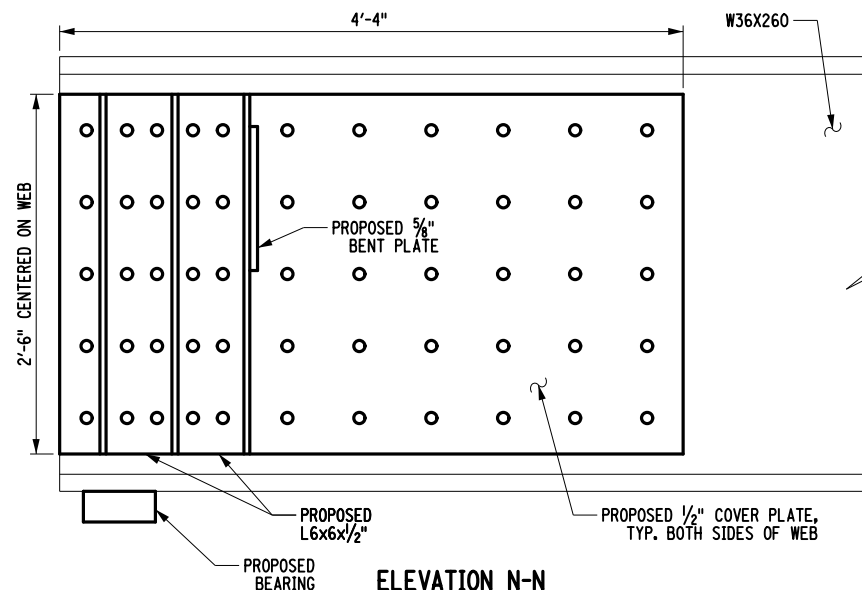
LOCATION 6: PIER 3, SPAN 3, G8
EXISTING
SCALE: 3/4"=1'-0"



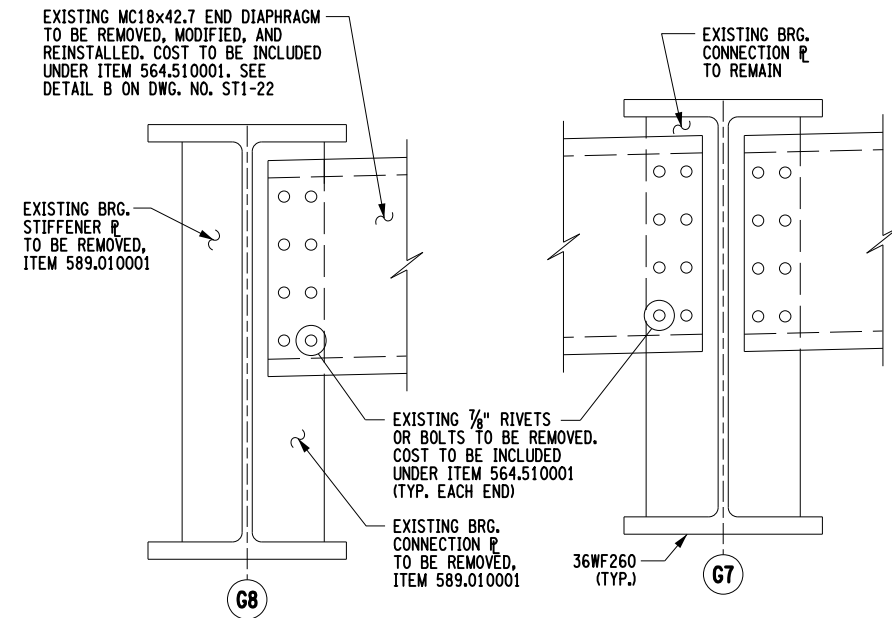
LOCATION 6: PIER 3, SPAN 3, G8
PROPOSED
SCALE: 3/4"=1'-0"



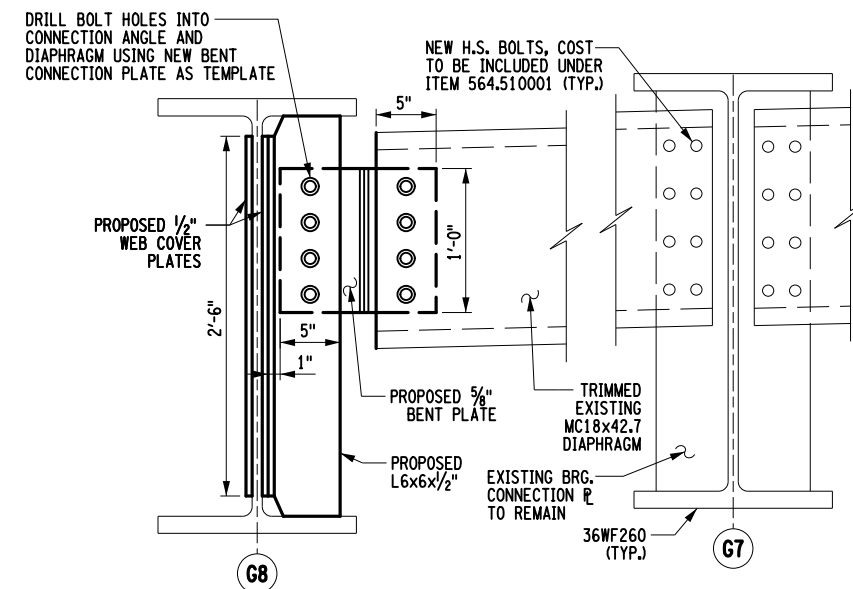
ELEVATION N-N
EXISTING
SCALE: 3/4"=1'-0"



ELEVATION N-N
PROPOSED
SCALE: 3/4"=1'-0"



SECTION O-O
EXISTING
SCALE: 3/4"=1'-0"



SECTION O-O
PROPOSED
SCALE: 3/4"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR WEB PLATE DETAILS, SEE DWG. NO. ST1-22
3. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



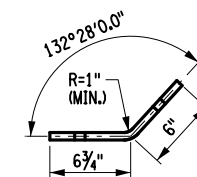
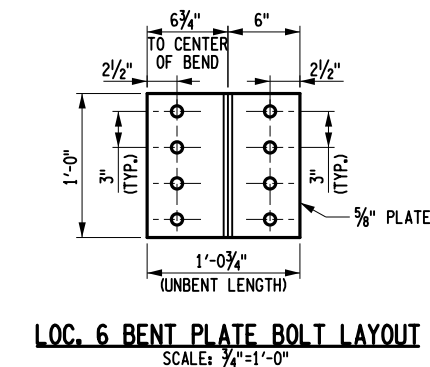
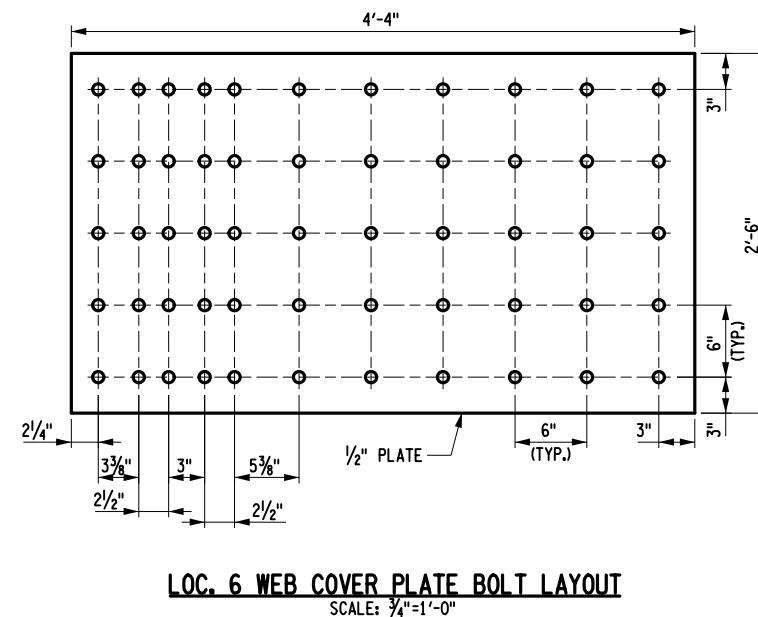
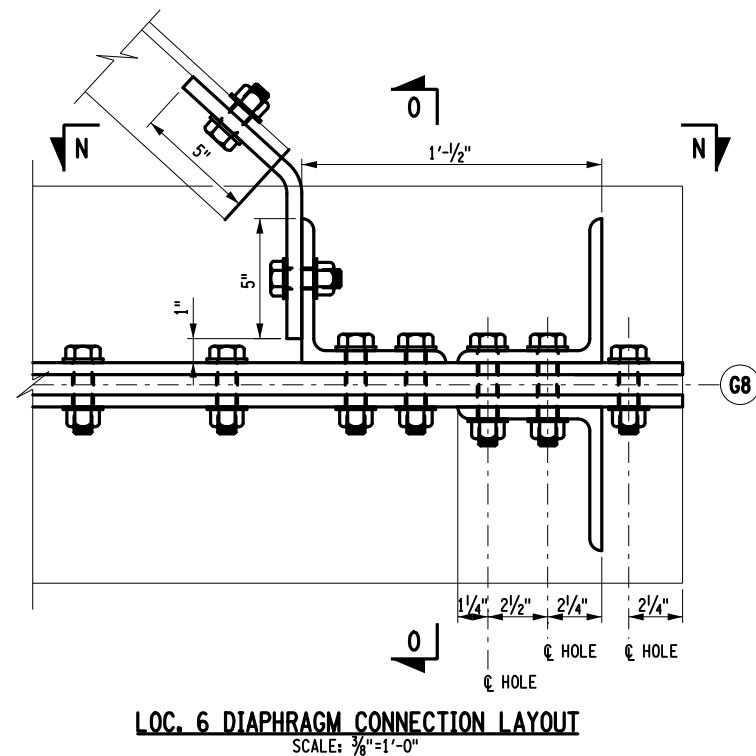
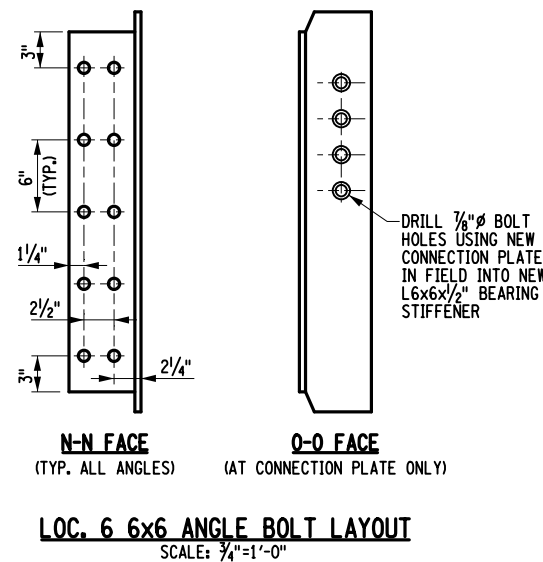
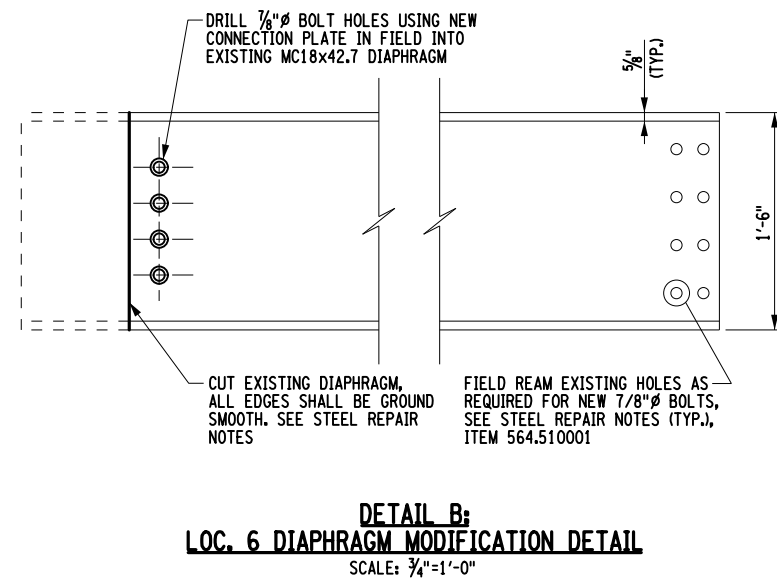
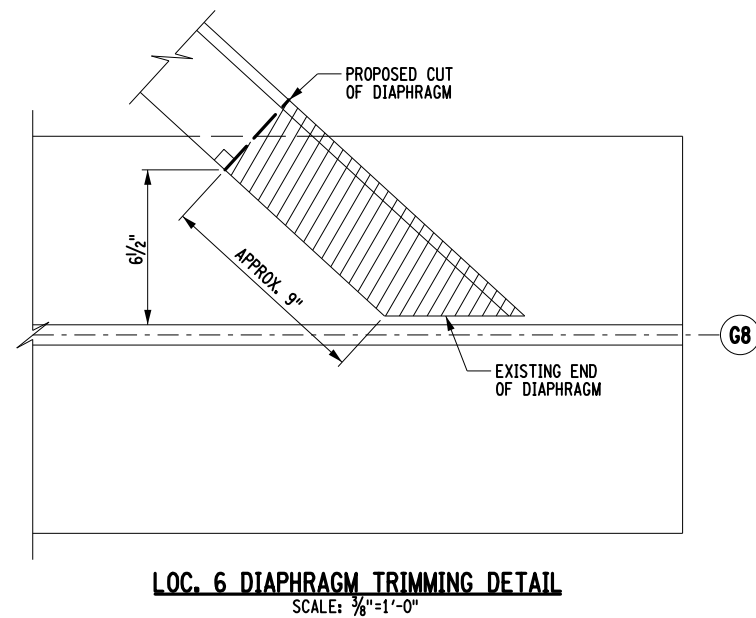
Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)
TITLE OF DRAWING
STEEL REPAIR DETAILS
(14 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-21



ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

REFERENCE NOTES:

1. FOR REPAIR LOCATIONS, SEE DWG. NO. ST1-6
2. FOR STEEL REPAIR NOTES, SEE DWG. NO. ST1-7

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(15 OF 15)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-22

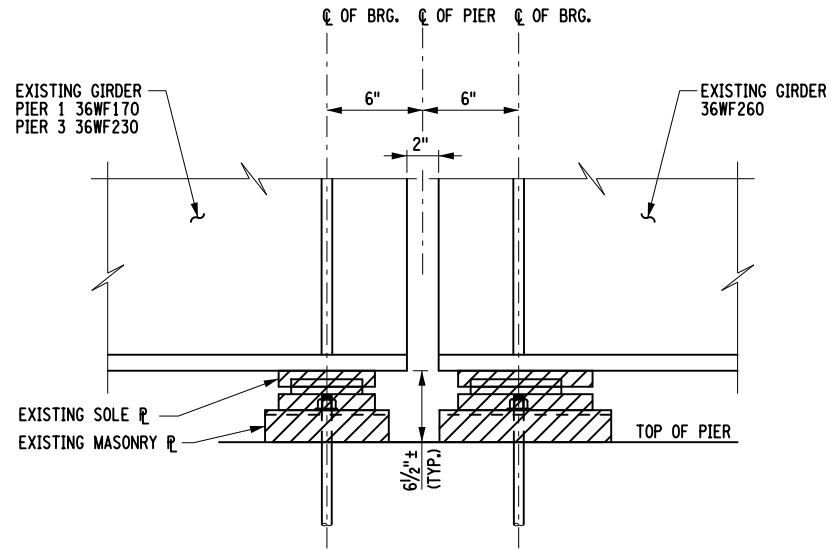
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

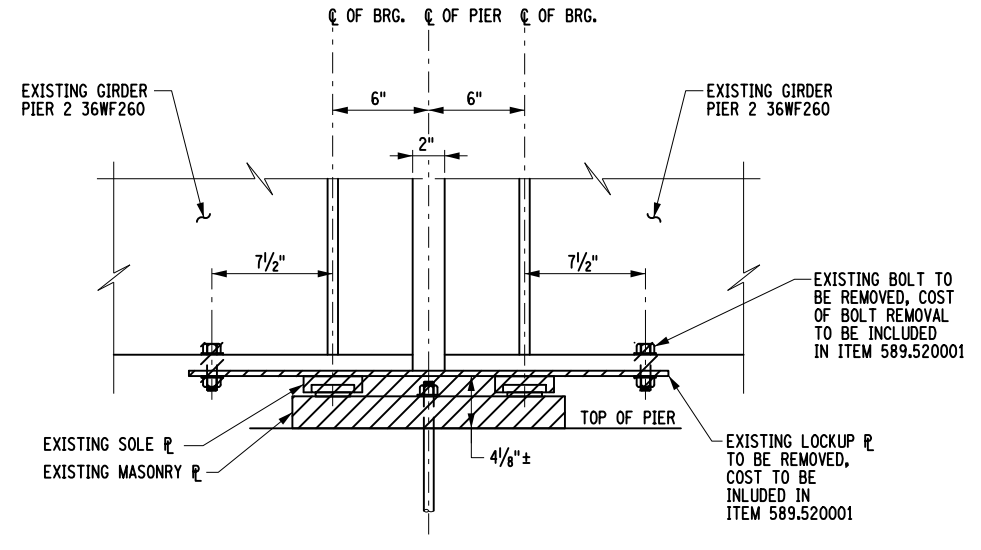
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



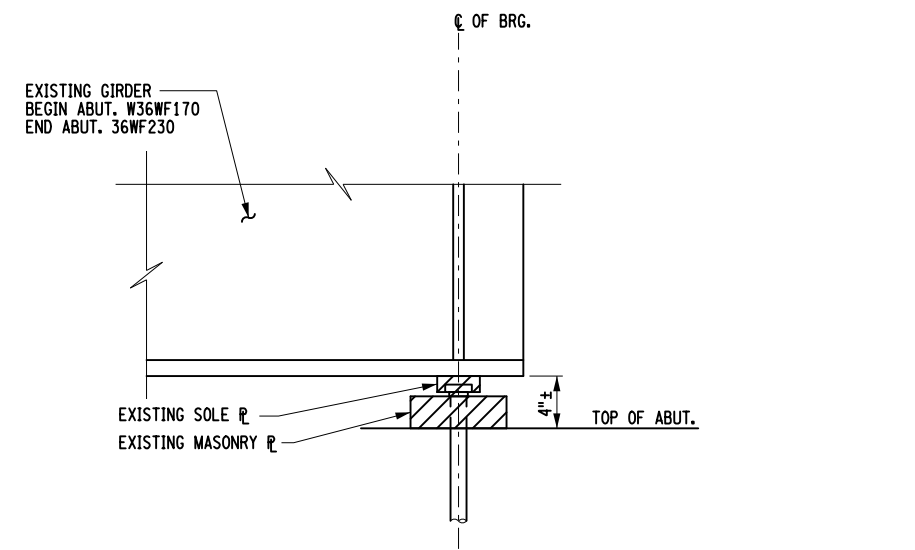
TYPICAL EXPANSION BEARING DETAIL (PIER 1)

(PIER 3 SIMILAR)
SCALE: NONE



TYPICAL FIXED BEARING DETAIL (PIER 2)

SCALE: NONE



TYPICAL FIXED BEARING DETAIL (END ABUTMENT)

(BEGIN ABUTMENT SIMILAR)
SCALE: NONE

LEGEND

REMOVE EXISTING BEARING, PAID FOR UNDER ITEM 589.520001

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI	Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
		LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING EXISTING BEARING DETAILS		DRAWING NUMBER: ST1-23	

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

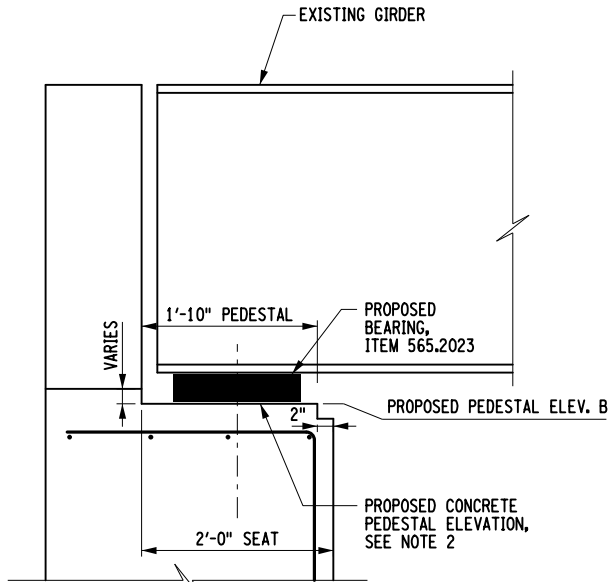
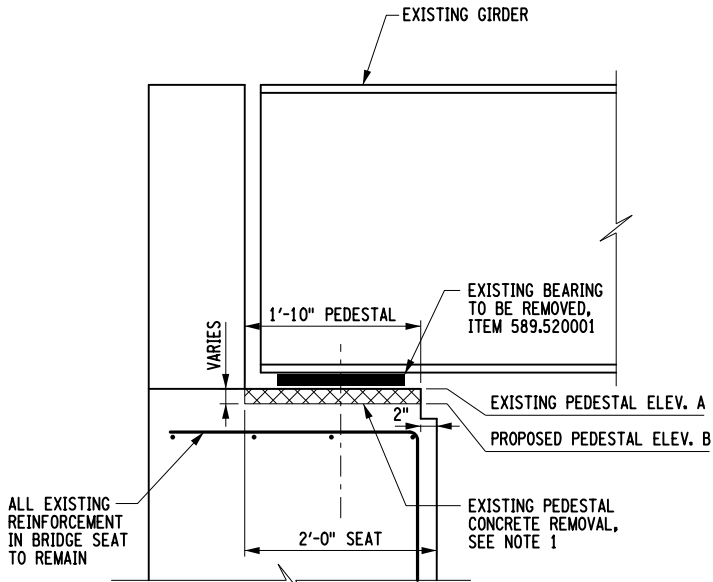
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

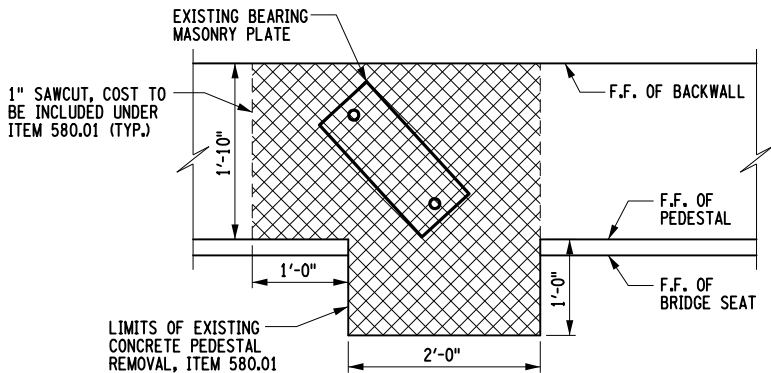
DESIGN SUPERVISOR: J. ADAMCZAK

ABUTMENT ELEVATIONS TABLE					
SUBSTRUCTURE	GIRDER #	EXISTING BEARING HEIGHT	PROPOSED BEARING HEIGHT	EXISTING PEDESTAL ELEV A	PROPOSED PEDESTAL ELEV B
BEGIN ABUTMENT	1	3.75 in	4.464 in	161.13	161.07
	2	3.75 in	4.464 in	161.43	161.38
	3	3.75 in	4.464 in	161.73	161.67
	4	3.75 in	4.464 in	162.02	161.97
	5	3.75 in	4.464 in	162.19	162.14
	6	3.75 in	4.464 in	162.23	162.18
	7	3.75 in	4.464 in	162.27	162.22
	8	3.75 in	4.464 in	162.31	162.26
END ABUTMENT	1	3.75 in	4.375 in	165.15	165.15
	2	3.75 in	4.375 in	165.33	165.31
	3	3.75 in	4.375 in	165.49	165.47
	4	3.75 in	4.375 in	165.64	165.62
	5	3.75 in	4.375 in	165.67	165.65
	6	3.75 in	4.375 in	165.58	165.55
	7	3.75 in	4.375 in	165.47	165.45
	8	3.75 in	4.375 in	165.37	165.35

ABUTMENT CONCRETE VOLUMES TABLE	
SUBSTRUCTURE	REMOVAL OF STRUCTURAL CONCRETE, ITEM 580.01 (CY)
Begin Abutment	0.37
End Abutment	0.37



PIER ELEVATIONS TABLE					
SUBSTRUCTURE	GIRDER #	EXISTING BEARING HEIGHT	PROPOSED BEARING HEIGHT	EXISTING PEDESTAL ELEV A	PROPOSED PEDESTAL ELEV B
PIER 1	1	5.438 in	4.950 in	162.14	162.20
	2	5.438 in	4.950 in	162.14	162.47
	3	5.438 in	4.950 in	162.69	162.75
	4	5.438 in	4.950 in	162.96	163.01
	5	5.438 in	4.950 in	163.10	163.15
	6	5.438 in	4.950 in	163.12	163.17
	7	5.438 in	4.950 in	163.13	163.18
	8	5.438 in	4.950 in	163.14	163.19
PIER 2	1	4.0 in	4.429 in	163.61	163.64
	2	4.0 in	4.429 in	163.84	163.87
	3	4.0 in	4.429 in	164.07	164.10
	4	4.0 in	4.429 in	164.30	164.33
	5	4.0 in	4.429 in	164.40	164.43
	6	4.0 in	4.429 in	164.38	164.41
	7	4.0 in	4.429 in	164.35	164.38
	8	4.0 in	4.429 in	164.32	164.35
PIER 3	1	5.5 in	4.875 in	164.53	164.58
	2	5.5 in	4.875 in	164.72	164.78
	3	5.5 in	4.875 in	164.91	164.97
	4	5.5 in	4.875 in	164.99	165.15
	5	5.5 in	4.875 in	165.15	165.21
	6	5.5 in	4.875 in	165.09	165.15
	7	5.5 in	4.875 in	165.02	165.08
	8	5.5 in	4.875 in	164.95	165.01



LEGEND

 REMOVAL OF STRUCTURAL CONCRETE, ITEM 580.01

NOTES:

- EXISTING PEDESTAL CONCRETE TO BE REMOVED UNDER ITEM 580.01. SEE ABUTMENT CONCRETE ELEVATION TABLES. TOTAL REMOVAL DEPTH SHALL NOT EXCEED 2 INCHES.
- NEW BRIDGE SEAT SHALL BE PREPARED USING GROUT MATERIAL CONFORMING TO SECTION 701-05. SURFACE SHALL BE LEVEL, SMOOTH, AND FREE OF LOOSE OR DETERIORATED CONCRETE AND OTHER FOREIGN MATERIAL. PREPARATION SHALL MEET THE REQUIREMENTS OF SECTION 565-3. COST OF BRIDGE SEAT PREPARATION, INCLUDING GROUT, SHALL BE INCLUDED IN THE BID PRICE FOR THE RESPECTIVE BEARING ITEMS.
- CONTRACTOR SHALL VERIFY FINAL BEARING HEIGHTS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL NOT PROCEED WITH EXISTING PEDESTAL CONCRETE REMOVAL UNTIL FINAL BEARING HEIGHTS HAVE BEEN VERIFIED AND THE REQUIRED PEDESTAL ELEVATIONS HAVE BEEN ESTABLISHED. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE ELEVATIONS SHOWN IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCING WORK.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

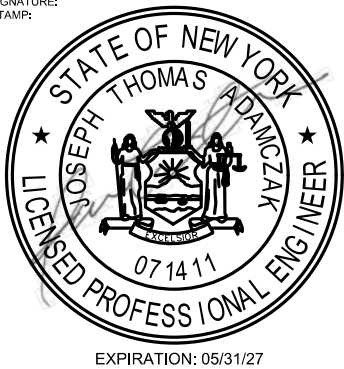
GPI

Greenman-Pedersen, Inc.
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Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

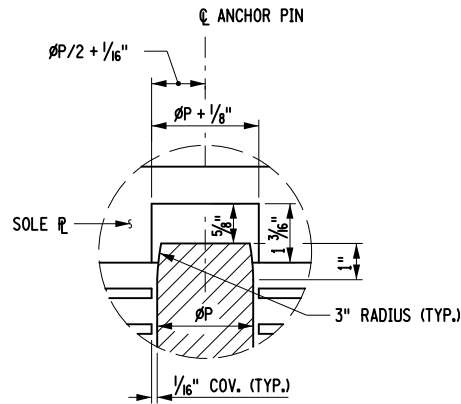
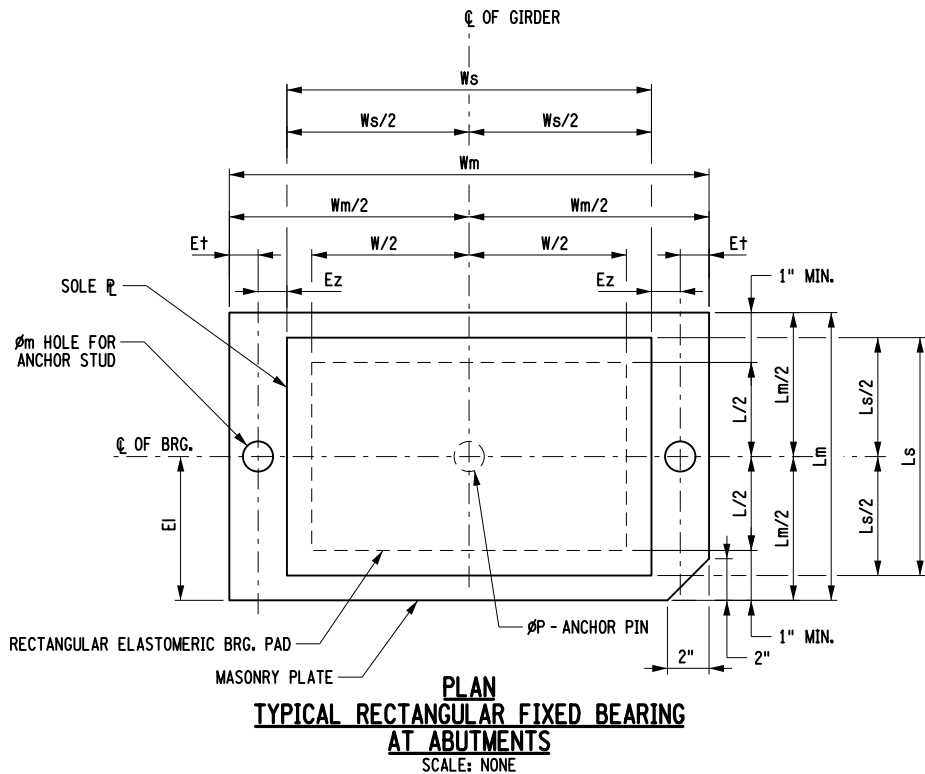
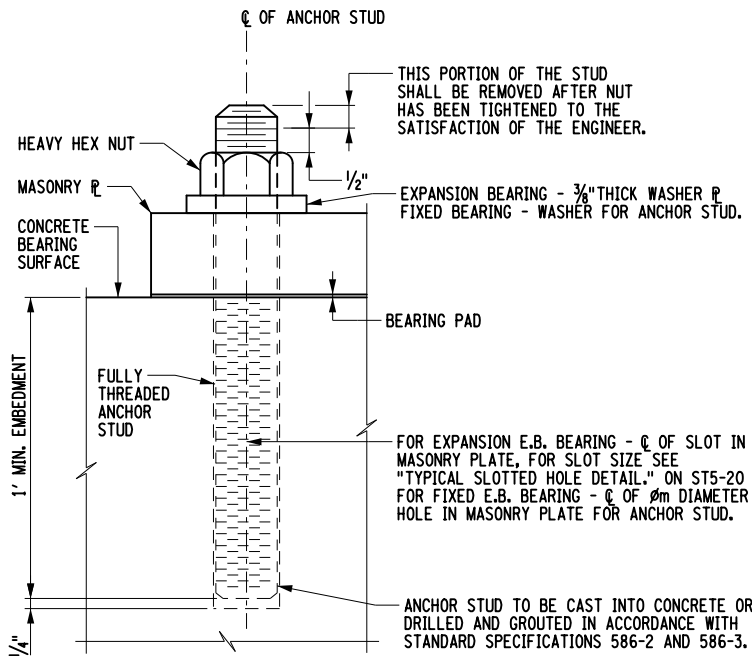
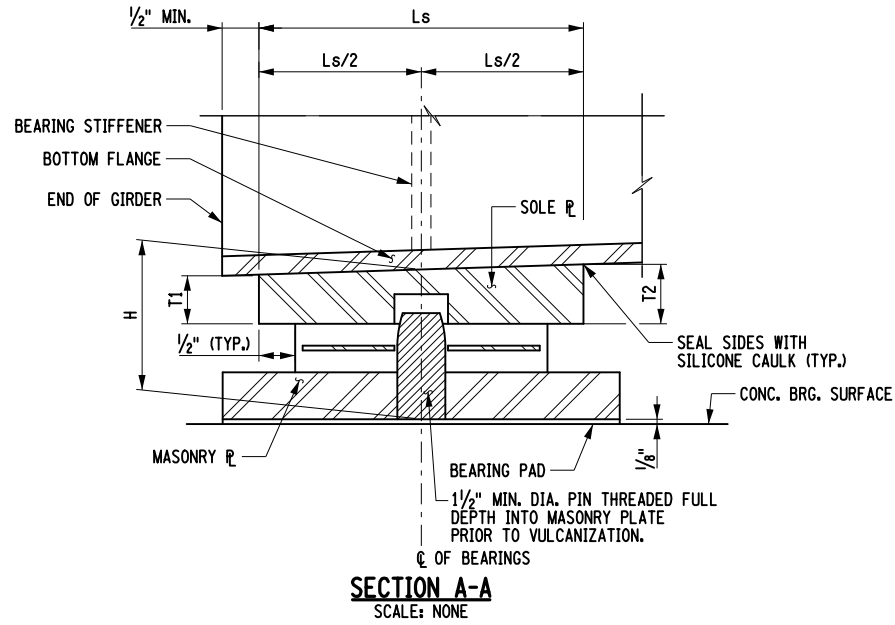
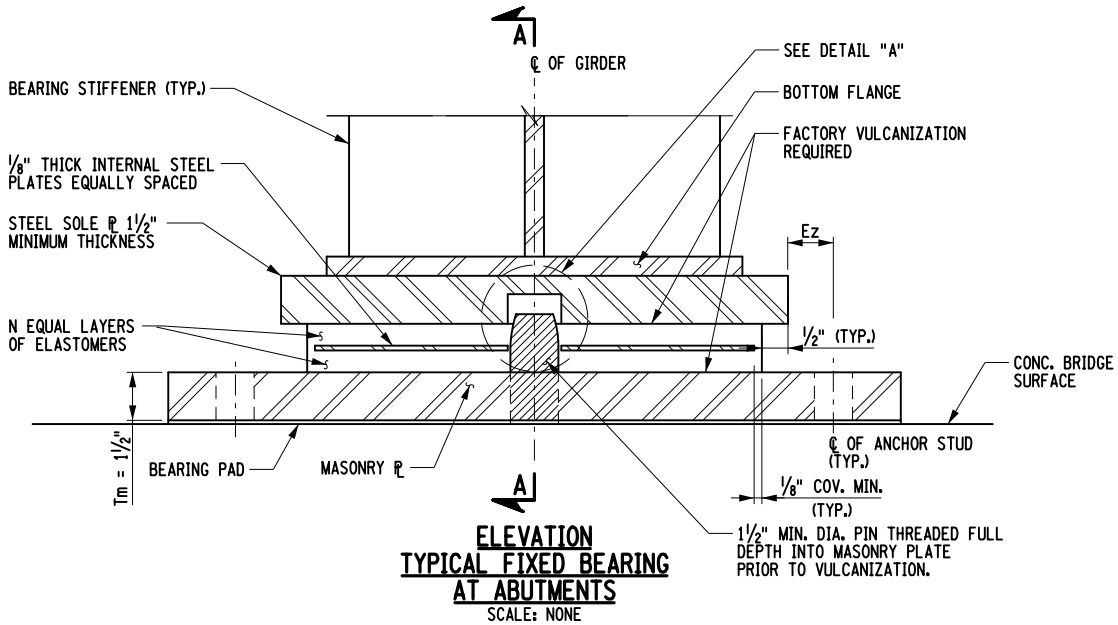
TITLE OF DRAWING
PEDESTAL ELEVATION TABLES

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-24



NOTES:

1. THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
2. ALL ELASTOMER SHALL BE 60 DUROMETER HARDNESS ON THE SHORE A SCALE.
3. ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A709, GR. 50, UNLESS OTHERWISE NOTED.
4. BEARING PADS SHALL CONFORM TO ONE OF THE FOLLOWING MATERIAL SPECIFICATIONS: 728-01, 728-02 OR 728-03.
5. INSTALLATION ALIGNMENT:
THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED $\frac{3}{16}$ ". THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
6. CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
7. THE BEARING PAD, ANCHOR STUDS WASHER PLATES AND NUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.
8. STEEL COMPONENTS, INCLUDING THE MASONRY AND SOLE PLATES, OF THE BEARINGS SHALL BE PAINTED IN ACCORDANCE WITH THE REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 565-2.04D. THE COST OF PAINTING SHALL BE INCLUDED UNDER THE RESPECTIVE BEARING ITEM.



NOTE:

ANCHOR STUDS, WASHERS, WASHER PLATES, ANCHOR PLATES, AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01, "GALVANIZED COATINGS AND REPAIR METHODS." THE COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.

FIXED ELASTOMERIC BEARING (TYPE E.B.) TABLE																														
LOCATION	ITEM NO.	QUANTITY REQUIRED	DL + SDL (kips)	LL w/o IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYERS					hrt (in)	COMP. AREA (sq. in)	SHEAR AREA (sq. in)	MASONRY PLATE						ANCHOR STUDS		WELD SIZE (in)	SOLE PLATE				BRG. H (in)	ØP (PIN DIA.) (in)	
							THICK/ LAYER	NUMBER OF LAYERS	L (in)	W (in)	D				Wm (in)	Lm (in)	Tm (in)	Et (in)	El (in)	Ez (in)	Øm (in)	DIA. (in)		STUDS/ PLATE	Ws (in)	Ls (in)	T1 (in)			T2 (in)
Begin Abutment	565.2023	8	49.0	71.0	120.0	7.11	0.375	3	8.000	16.000		1.125	120	126	24.000	10.000	1.500	2.000	5.000	1.500	1.375	1.000	2	5/16	17.000	9.000	1.500	1.679	4.464	1.500
End Abutment	565.2023	8	63.0	75.0	138.0	7.11	0.375	3	8.000	16.000		1.125	120	126	24.500	10.000	1.500	2.000	5.000	1.500	1.375	1.000	2	5/16	17.500	9.000	1.500	1.500	4.375	1.500

TABLE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
LOADS SHOWN IN THIS TABLE ARE UNFACTORED.

T2 IS UPSTATION OF T1.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

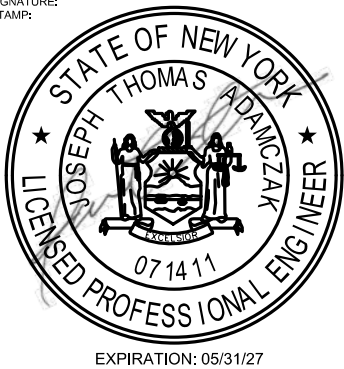
GPI

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TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
BEARING DETAILS
(1 OF 3)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-25



CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

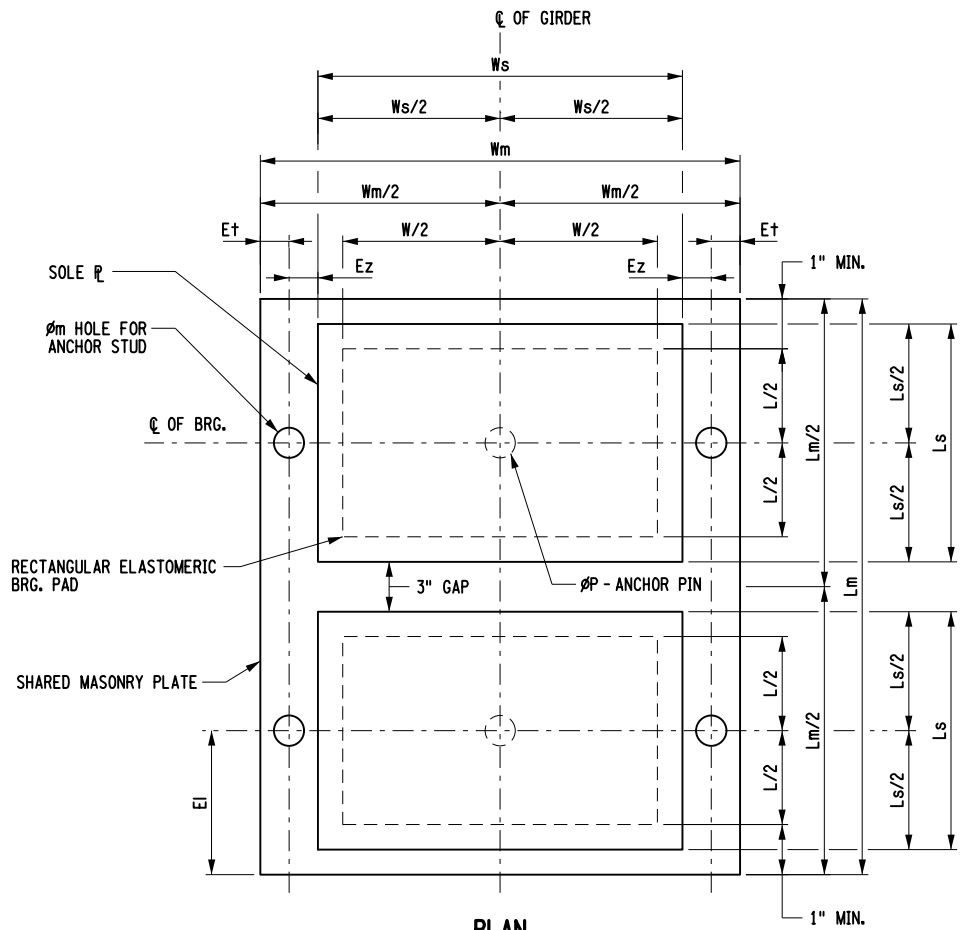
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DRAFTED BY: F. CUOCCIO

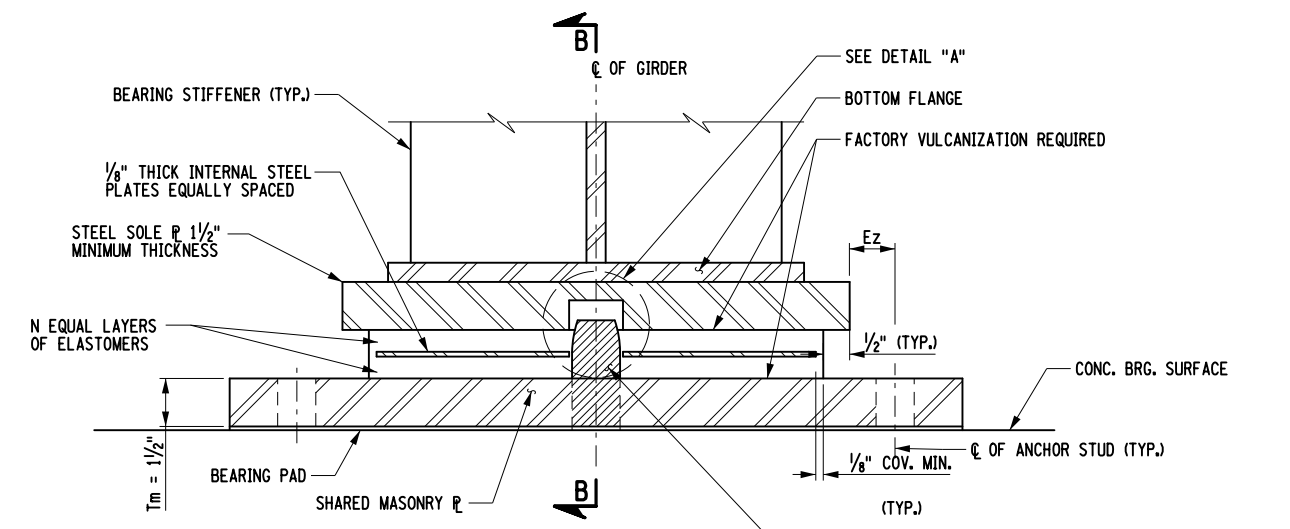
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

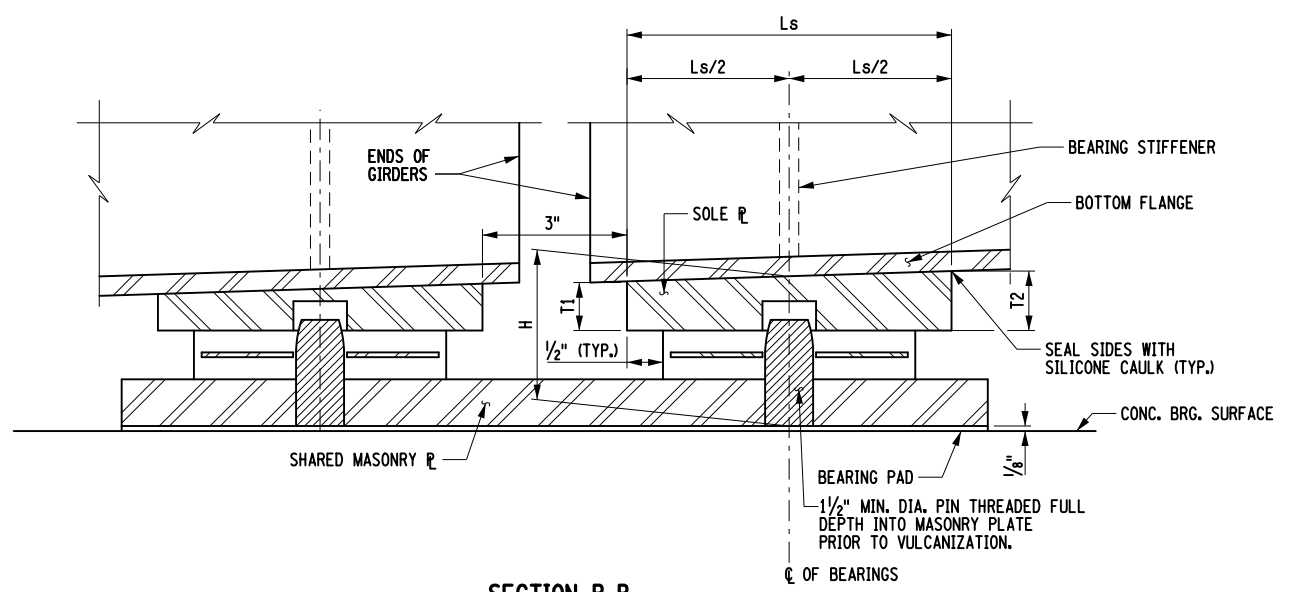
DESIGN SUPERVISOR: J. ADAMCZAK



PLAN
TYPICAL RECTANGULAR FIXED BEARINGS
AT PIER 2
SCALE: NONE



ELEVATION
TYPICAL FIXED BEARINGS
AT PIER 2
SCALE: NONE



SECTION B-B
SCALE: NONE

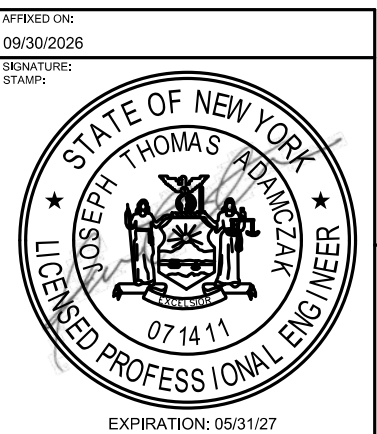
SPECIAL BEARING NOTE:

1. THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FACT THAT THE BEARINGS AT PIER 2, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE DETAILS ON THIS SHEET, SHALL BE PAID UNDER ITEM 565.2023 AS TWO (2) BEARINGS, NOTWITHSTANDING THAT THE BEARINGS ARE MANUFACTURED ON A SHARED MASONRY PLATE.

REFERENCE NOTES:

1. FOR BEARING NOTES, SEE DWG. NO. ST1-25
2. FOR ANCHOR STUD DETAIL AND FIXED BEARING ANCHOR PIN DETAIL "A", SEE DWG. NO. ST1-25

FIXED DOUBLE ELASTOMERIC BEARING (TYPE E.B.) TABLE																														
LOCATION	ITEM NO.	QUANTITY REQUIRED	DL + SDL (kips)	LL w/o IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYERS					hrt (in)	COMP. AREA (sq. in)	SHEAR AREA (sq. in)	MASONRY PLATE						ANCHOR STUDS		WELD SIZE (in)	SOLE PLATE				BRG. H (in)	øP (PIN DIA.) (in)	
							THICK/LAYER	NUMBER OF LAYERS	L (in)	W (in)	D				Wm (in)	Lm (in)	Tm (in)	Et (in)	El (in)	Ez (in)	øm (in)	DIA. (in)		STUDS/ PLATE	Ws (in)	Ls (in)	T1 (in)			T2 (in)
Pier 2, Span 2	565.2023	8	79.0	80.0	159.0	7.38	0.375	3	8.000	18.000		1.125	136	142	26.000	24.000	1.500	2.000	6.000	1.500	1.375	1.000	4	5/16	19.000	9.000	1.500	1.608	4.429	1.500
Pier 2, Span 3	565.2023	8	79.0	80.0	159.0	7.38	0.375	3	8.000	18.000		1.125	136	142										5/16	19.000	9.000	1.500	1.607	4.429	1.500



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
BEARING DETAILS
(2 OF 3)

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST1-26

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

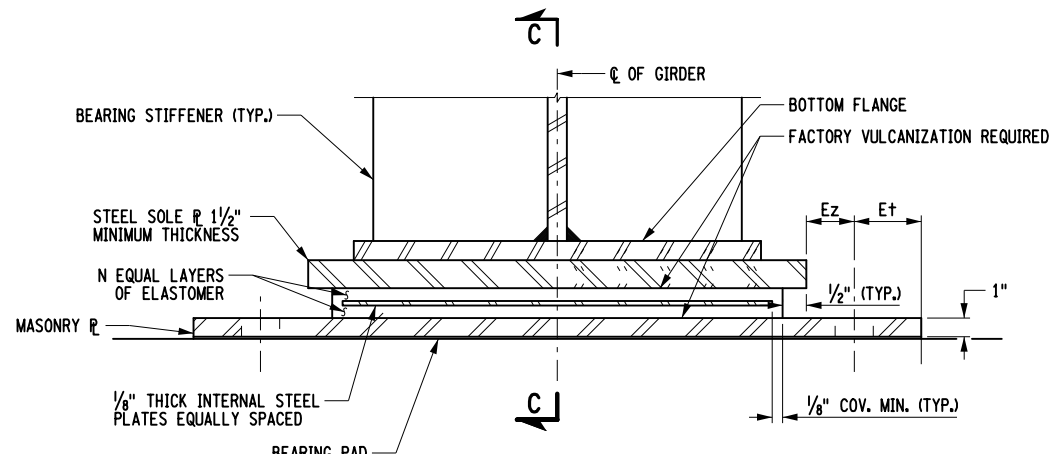
CHECKED BY: J. LANDRY

DRAFTED BY: N. PATTERSON

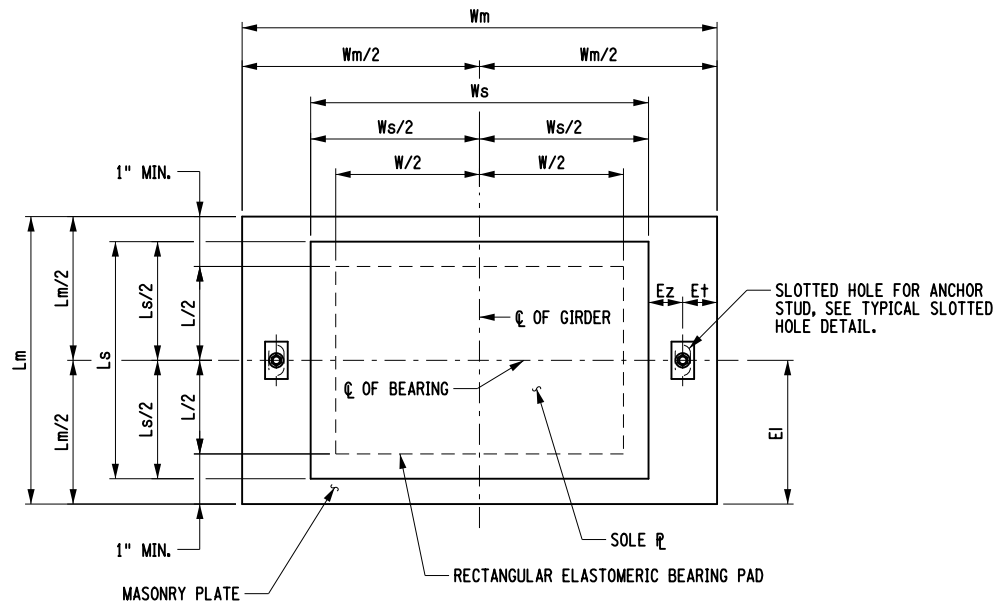
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DRAFTED BY: J. ADAMCZAK

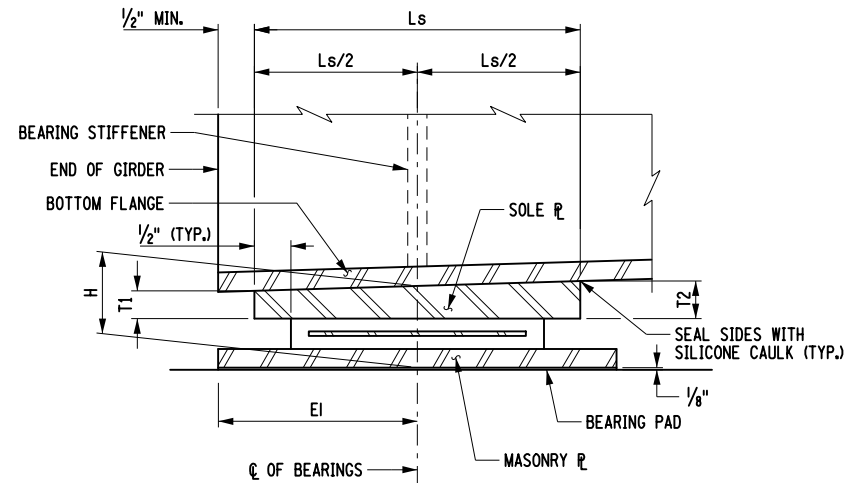
DESIGN SUPERVISOR: J. ADAMCZAK



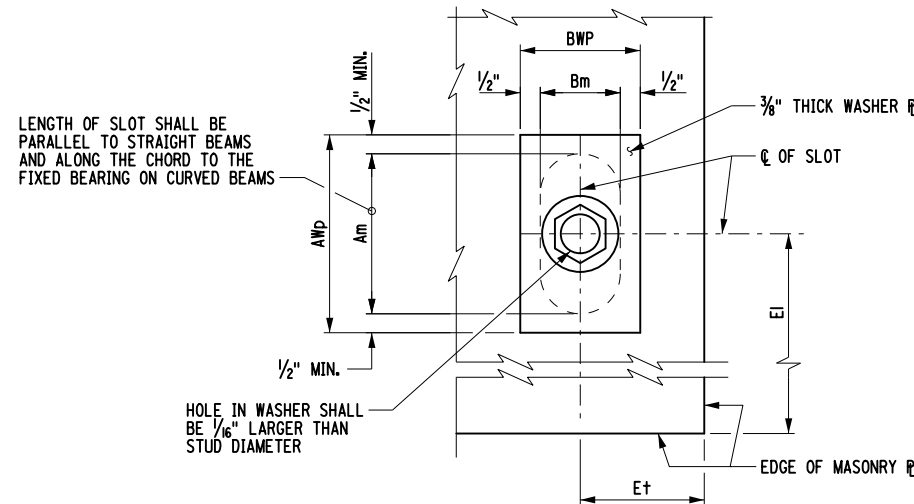
**ELEVATION
TYPICAL EXPANSION BEARING
AT PIERS 1 AND 3**
SCALE: NONE



**PLAN
TYPICAL RECTANGULAR EXPANSION BEARING
AT PIERS 1 AND 3**
SCALE: NONE



**SECTION C-C
SCALE: NONE**



**TYPICAL SLOTTED HOLE DETAIL
MASONRY PLATE**
SCALE: NONE

REFERENCE NOTES:

1. FOR BEARING NOTES, SEE DWG. NO. ST1-25

EXPANSION ELASTOMERIC BEARING (TYPE E.B.) TABLE																																
LOCATION	ITEM NO.	QUANTITY REQUIRED	DL + SDL (kips)	LL w/o IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYERS					hrt (in)	COMP. AREA (sq. in)	SHEAR AREA (sq. in)	MASONRY PLATE								ANCHOR STUDS		WELD SIZE (in)	WASHER PLATE		SOLE PLATE				BRG. H (in)
							THICK/LAYER	NUMBER OF LAYERS	L (in)	W (in)	D				Wm (in)	Lm (in)	Tm (in)	Et (in)	El (in)	Ez (in)	Am (in)	Bm (in)	DIA. (in)	STUDS/ PLATE		Awp (in)	Bwp (in)	Ws (in)	Ls (in)	T1 (in)	T2 (in)	
Pier 1, Span 1	565.2033	8	49.0	71.0	120.0	7.110	0.375	4	8.000	16.000		1.125	122	128	24.000	10.000	1.500	2.000	5.000	1.500	2.500	1.375	1.000	2	5/16	3.500	2.375	17.000	9.000	1.500	1.650	4.950
Pier 1, Span 2	565.2033	8	79.0	80.0	159.0	7.380	0.375	5	8.000	18.000		1.875	138	144	26.000	10.000	1.000	2.000	5.000	1.500	2.500	1.375	1.000	2	5/16	3.500	2.375	19.000	9.000	1.500	1.650	4.950
Pier 3, Span 3	565.2033	8	79.0	80.0	159.0	7.380	0.375	5	8.000	18.000		1.875	138	144	26.000	10.000	1.000	2.000	5.000	1.500	2.500	1.375	1.000	2	5/16	3.500	2.375	19.000	9.000	1.500	1.500	4.875
Pier 3, Span 4	565.2033	8	63.0	75.0	138.0	7.110	0.375	4	8.000	16.000		1.500	122	128	24.500	10.000	1.500	2.000	5.000	1.500	2.500	1.375	1.000	2	5/16	3.500	2.375	17.500	9.000	1.500	1.500	4.875

TABLE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
LOADS SHOWN IN THIS TABLE ARE UNFACTORED.

T2 IS UPSTATION OF T1.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

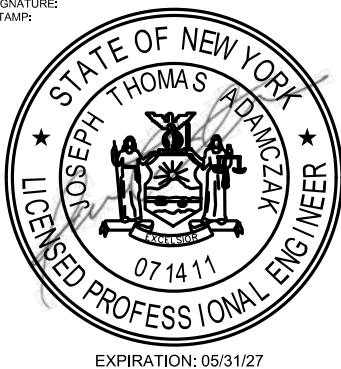
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
**REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23**
LOCATION OF PROJECT
**RT. 9W BRIDGE
MP 123.69 (BIN 1053550)**

TITLE OF DRAWING
**BEARING DETAILS
(3 OF 3)**

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-27



CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUCCIO

CHECKED BY: J. LANDRY

DRAFTED BY: N. PATTERSON

DESIGNED BY: J. ADAMCZAK

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
09/30/2026



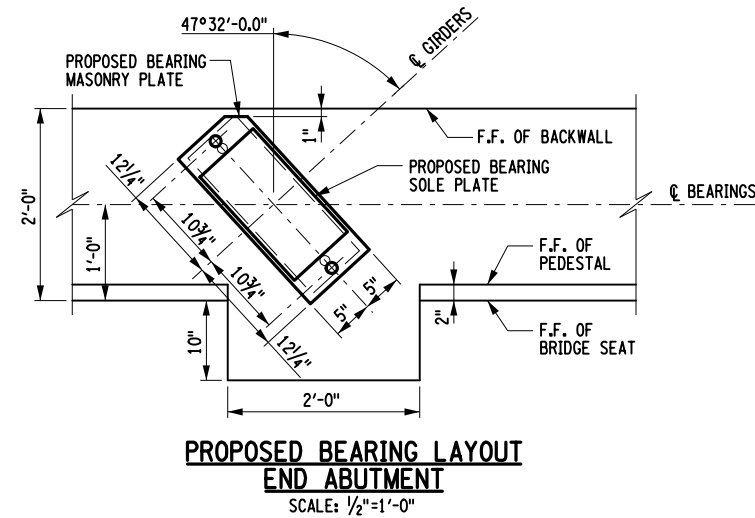
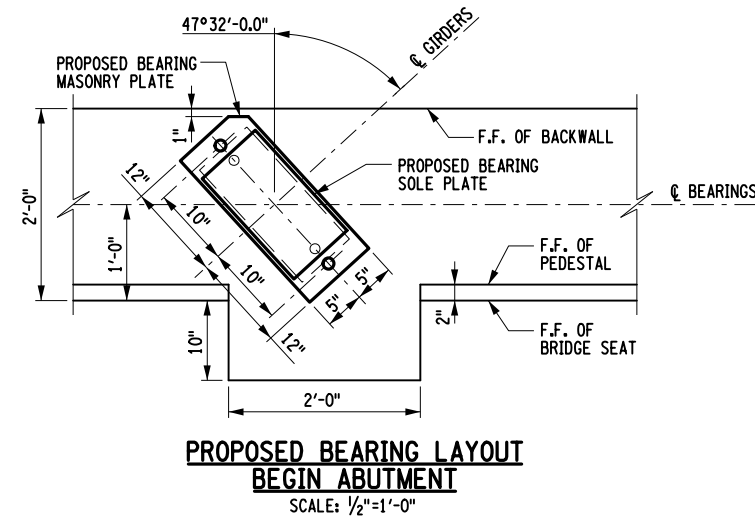
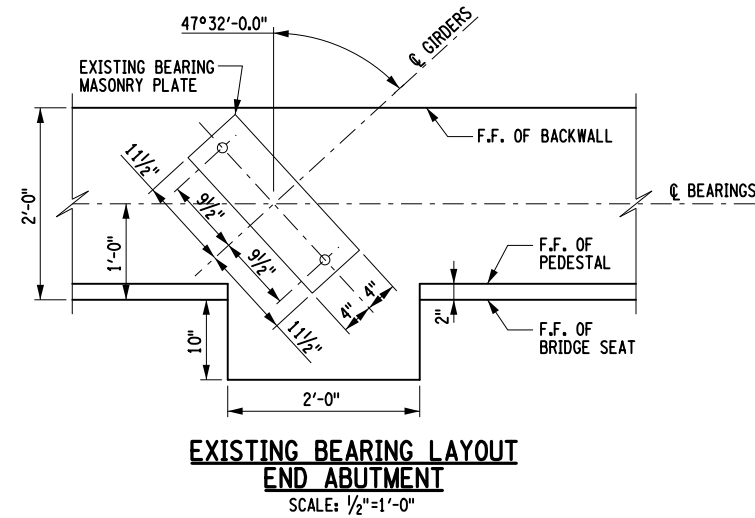
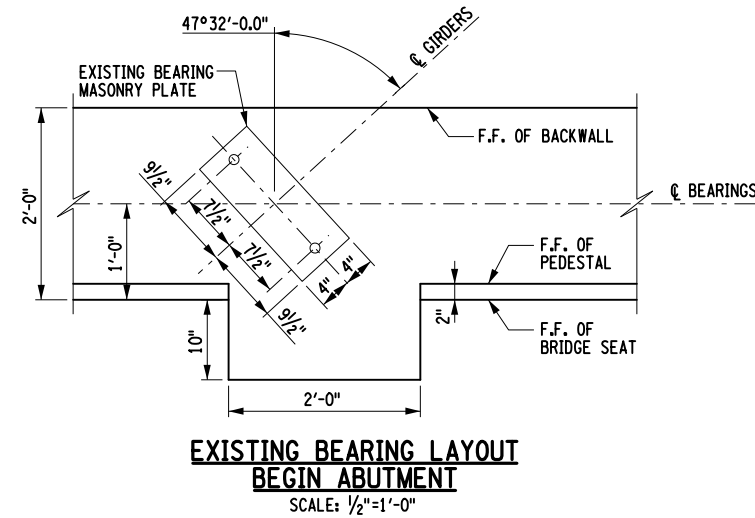
EXPIRATION: 05/31/27

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING ABUTMENT BEARING LAYOUT		DRAWING NUMBER: ST1-28



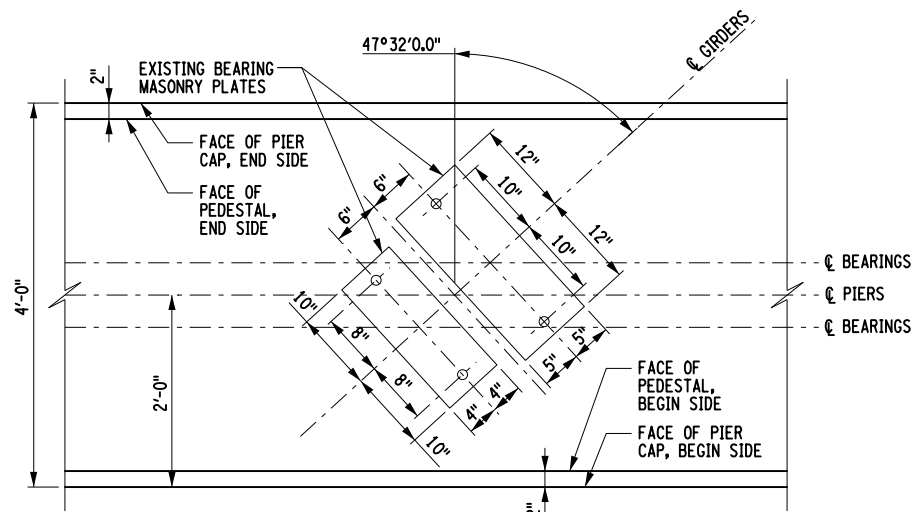
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUCCIO

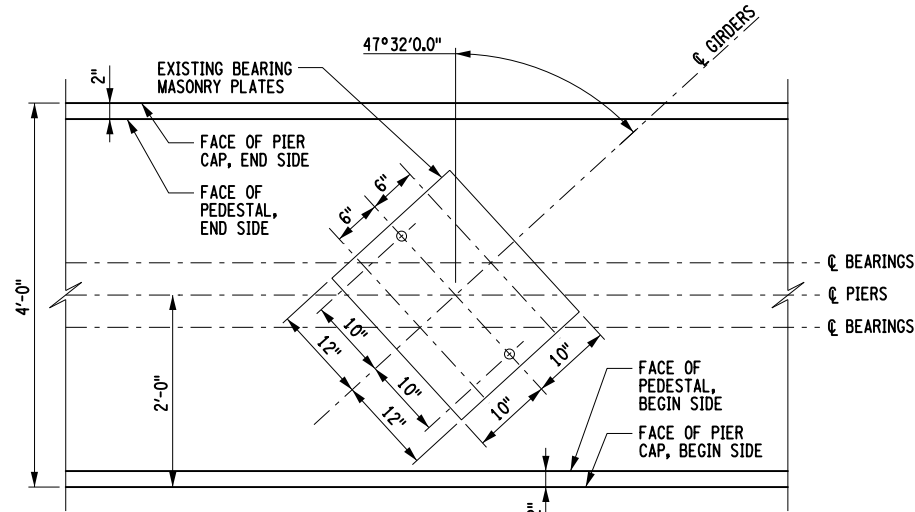
CHECKED BY: J. LANDRY

CHECKED BY: N. PATTERSON

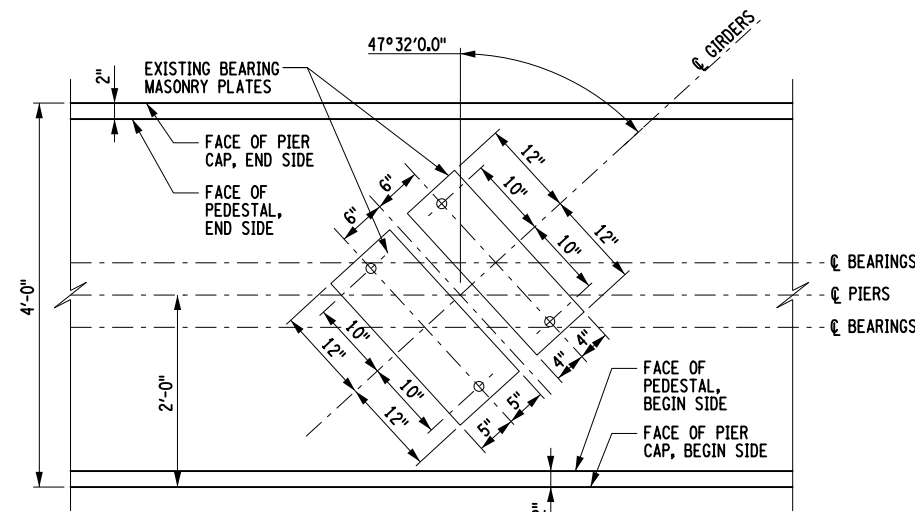
DESIGNED BY: J. ADAMCZAK



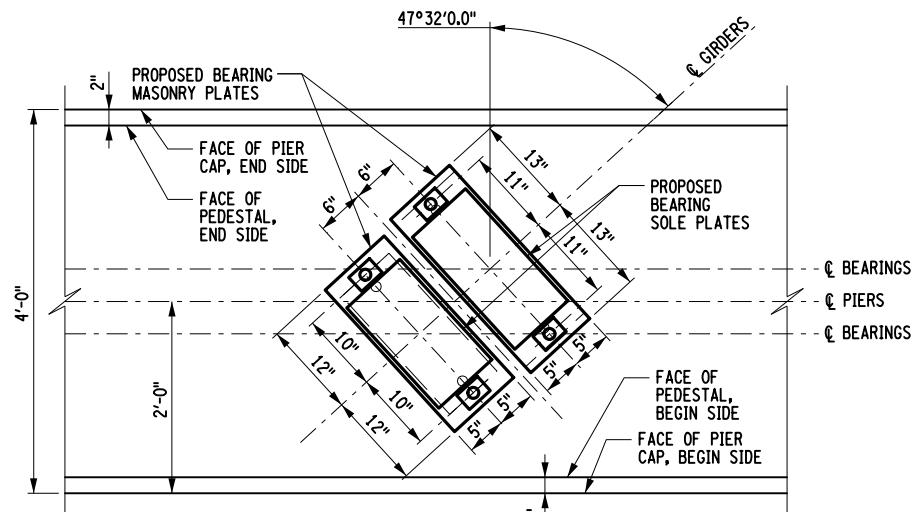
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PIER 1**
SCALE: 1/2"=1'-0"



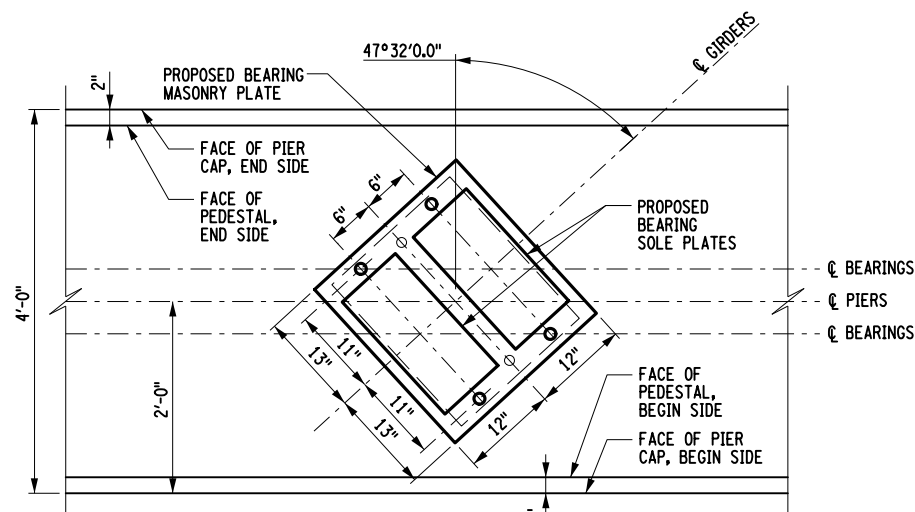
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PIER 2**
SCALE: 1/2"=1'-0"



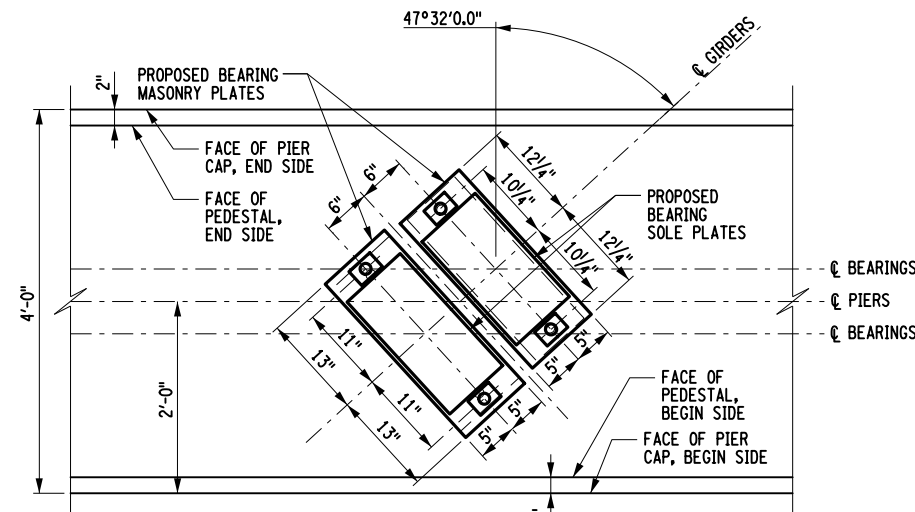
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PIER 3**
SCALE: 1/2"=1'-0"



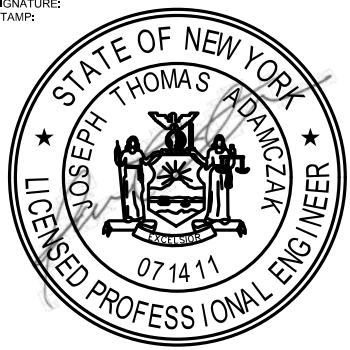
**PROPOSED BEARING LAYOUT
PIER 1**
SCALE: 1/2"=1'-0"



**PROPOSED BEARING LAYOUT
PIER 2**
SCALE: 1/2"=1'-0"



**PROPOSED BEARING LAYOUT
PIER 3**
SCALE: 1/2"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

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Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
PIER BEARING
LAYOUT

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-29

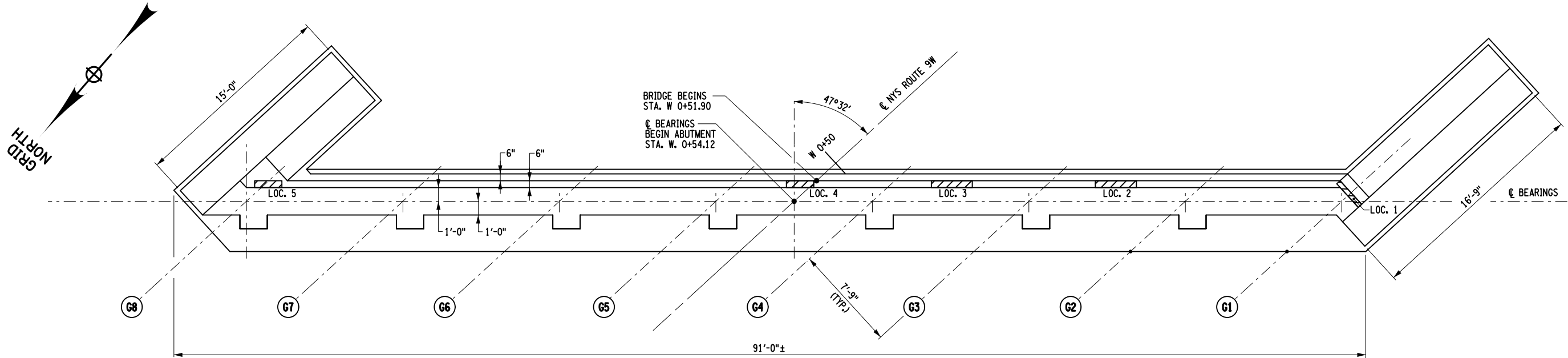
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

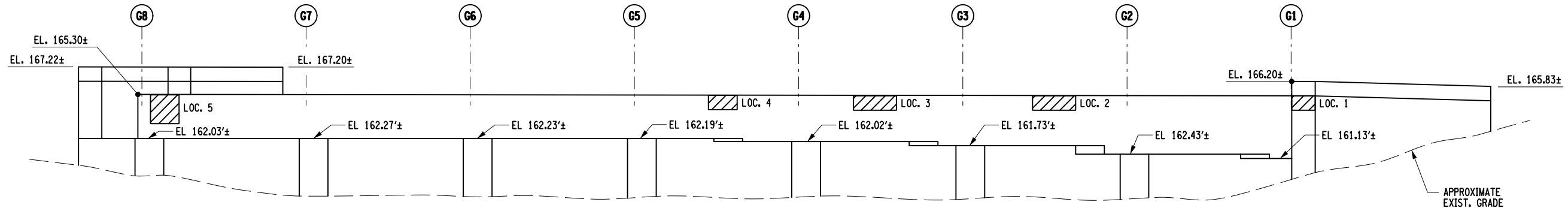
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



BEGIN ABUTMENT
SCALE: 1/8"=1'-0"

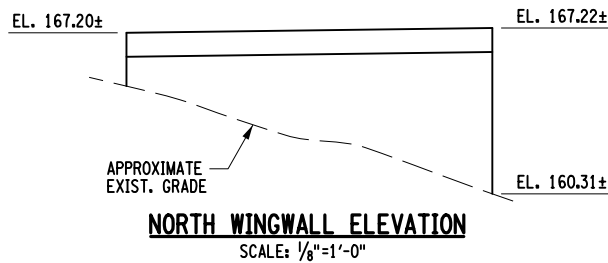


BEGIN ABUTMENT ELEVATION
SCALE: 1/8"=1'-0"

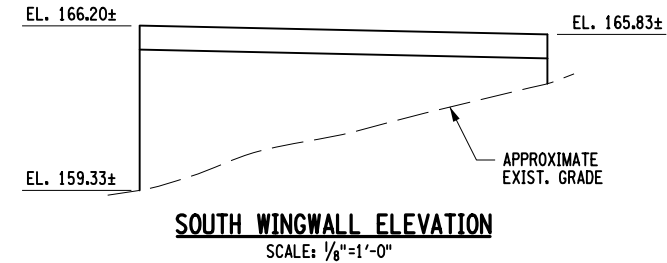
LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

SUBSTRUCTURE REPAIRS TABLE - BEGIN ABUTMENT				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	3.00	1.00	0.25	0.03
2	3.00	1.00	0.25	0.03
3	3.00	1.00	0.25	0.03
4	2.00	1.00	0.25	0.02
5	2.00	2.00	0.25	0.04
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.14



NORTH WINGWALL ELEVATION
SCALE: 1/8"=1'-0"



SOUTH WINGWALL ELEVATION
SCALE: 1/8"=1'-0"

NOTES:

1. ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 AND CONC-2.
2. AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE.
3. FOR PEDESTAL REPAIRS SEE DWG. NO. ST1-11.

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

REVISIONS			
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Thruway
Authority

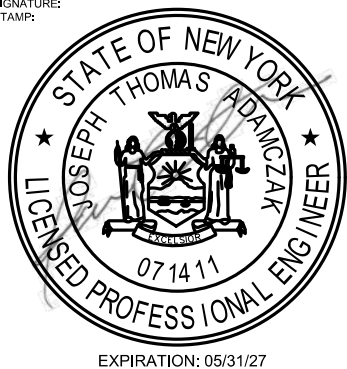
GPI

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TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
BEGIN ABUTMENT

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-30



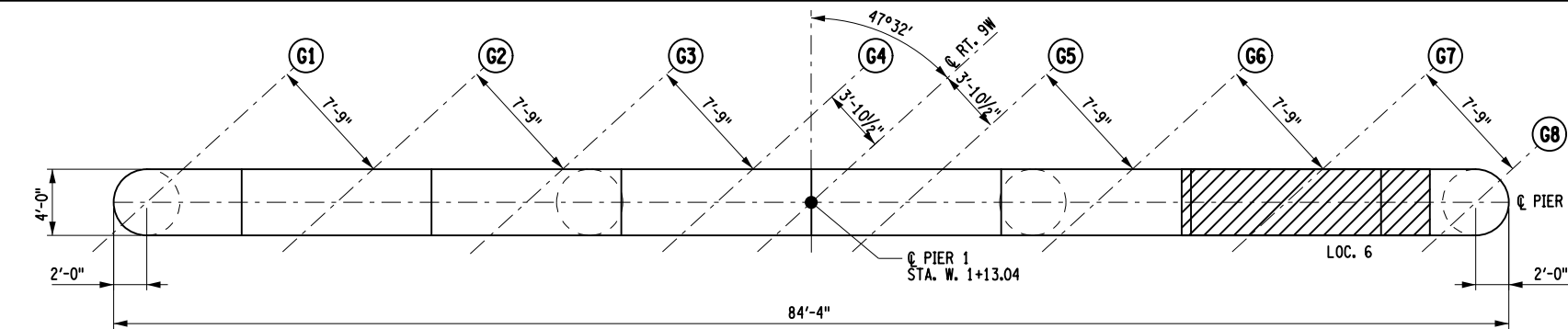
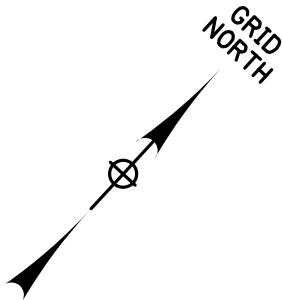
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



PIER 1 TOP OF PIER CAP

SCALE: 7/32"=1'-0"

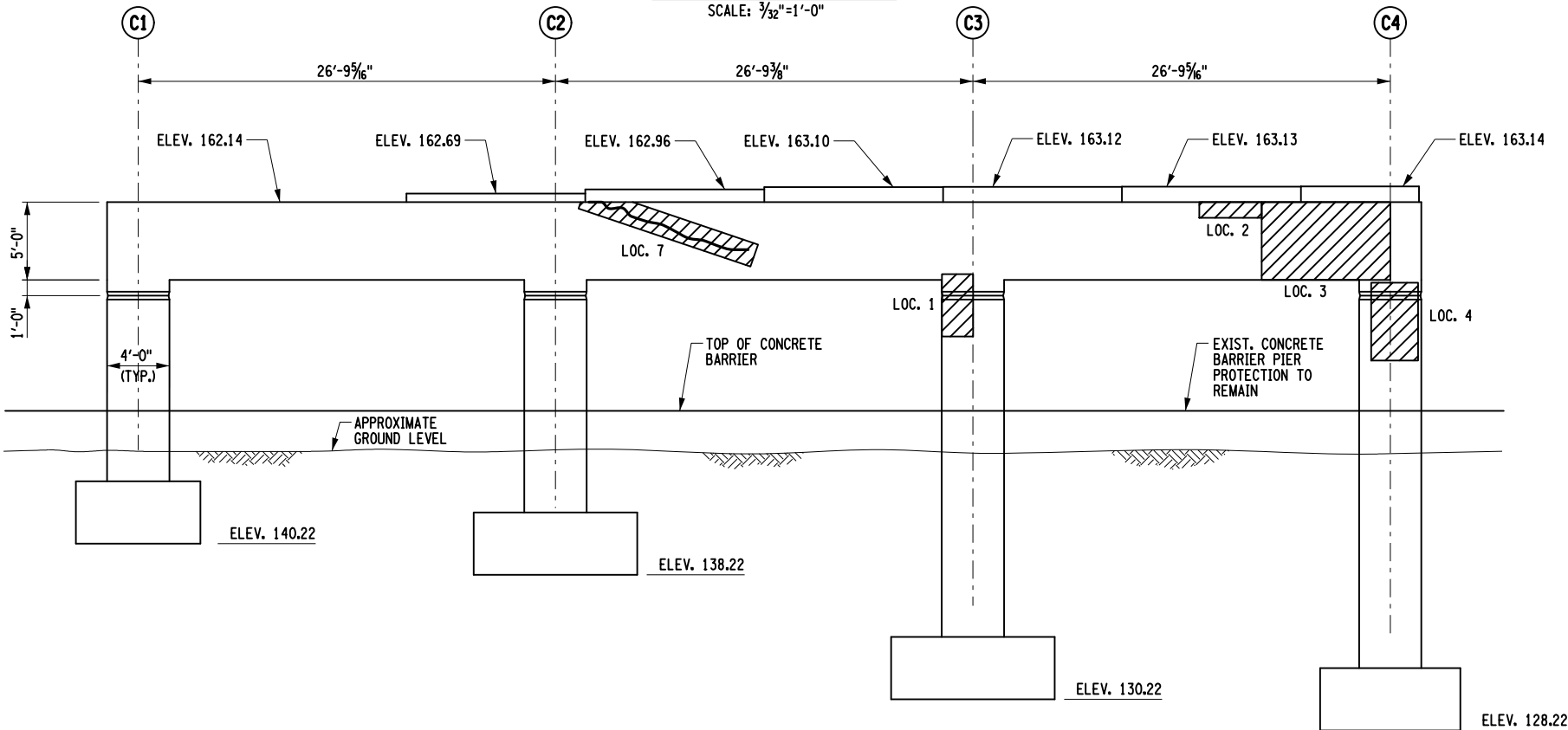
LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

CRACK

PIER NOTES:

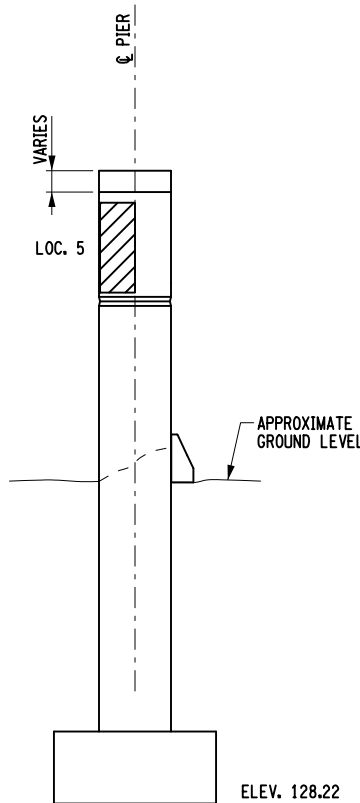
- ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 & CONC-2.
- WHERE REPAIR LOCATIONS ON CIRCULAR SURFACES ARE CONTINUOUS THROUGH THE PIER CENTERLINE, THEY WILL BE NOTED ON BOTH THE BEGIN FACE AND END FACE DRAWINGS.
- IF THERE ARE ANY REPAIR AREAS THAT EXTEND OVER HALF OF THE COLUMN'S PERIMETER, THE CONTRACTOR SHALL ONLY REPAIR 1/4 OF THE PERIMETER AT A TIME TO MINIMIZE THE AREA OF EXPOSED REBAR. IF MORE THAN 3/4 OF THE COLUMN'S PERIMETER IS IN NEED OF REPAIR, THEN THE CONTRACTOR MAY ELECT TO WORK ON TWO 1/4 QUADRANTS OF THE COLUMN AS LONG AS THE TWO 1/4 QUADRANTS ARE NOT ADJACENT TO ONE ANOTHER.
- WHEN COMPLETING REPAIRS, IF PEDESTAL REPAIR WORK IS REQUIRED, THE CONTRACTOR SHALL NOT EXPOSE MORE THAN 25% OF THE BEARING MASONRY PLATE AT ANY ONE TIME. IF BEARING ANCHOR BOLTS ARE EXPOSED DURING THE REPAIR WORK, THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS TO PREVENT MOVEMENT OF THE ANCHOR BOLTS UNTIL THE REPAIR WORK IS COMPLETED.
- MAJOR CRACKS THAT WERE OBSERVED DURING THE PREPARATION OF THESE CONTRACT DRAWINGS ARE SHOWN WITHIN THEIR ASSOCIATED REPAIR AREA. THESE CRACKS SHALL BE REPAIRED IN ACCORDANCE WITH THE "CONCRETE CRACK REPAIR" DETAILS SHOWN ON DWG. NO. CONC-1.
- WHERE UNSOUND CONCRETE IS ENCOUNTERED AT OR BELOW THE EXISTING GRADE, THE CONTRACTOR SHALL REMOVE EARTH AS NECESSARY TO FULLY EXPOSE THE CONCRETE FOR SOUNDING, REMOVAL, AND REPAIR. EARTH REMOVAL REQUIRED TO COMPLETE THE CONCRETE REPAIR WORK SHALL BE PAID FOR UNDER ITEM 206.01 - STRUCTURE EXCAVATION.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.
- EXISTING COLUMNS CONTAIN FIBERGLASS WRAPPING. REPAIR ESTIMATES SHOWN INCLUDE CONTINGENCY. CONTRACTOR SHALL SOUND THE COLUMNS IN THE FIELD TO DETERMINE ANY ADDITIONAL AREAS OF HOLLOW-SOUNDING CONCRETE. REPAIR LIMITS SHALL BE AGREED UPON WITH THE ENGINEER PRIOR TO PERFORMING THE WORK.



PIER 1 ELEVATION

(BEGIN FACE)

SCALE: 7/32"=1'-0"



PIER 1 RIGHT ELEVATION

SCALE: 7/32"=1'-0"

SUBSTRUCTURE REPAIRS TABLE - PIER 1 BEGIN FACE

LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	1.00	4.00	0.25	0.04
2	4.00	1.00	0.25	0.04
3	10.00	5.00	0.25	0.46
4	3.00	5.00	0.25	0.14
5	5.00	5.00	0.25	0.23
6	15.00	4.00	0.25	0.56
7	11.50	1.50	0.25	0.16

TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY): 1.62

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REVISIONS

DATE	DESCRIPTION	BY	SYM.



Thruway Authority

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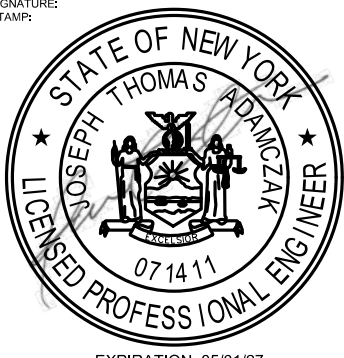
TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
BEGIN FACE PIER 1

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST1-31



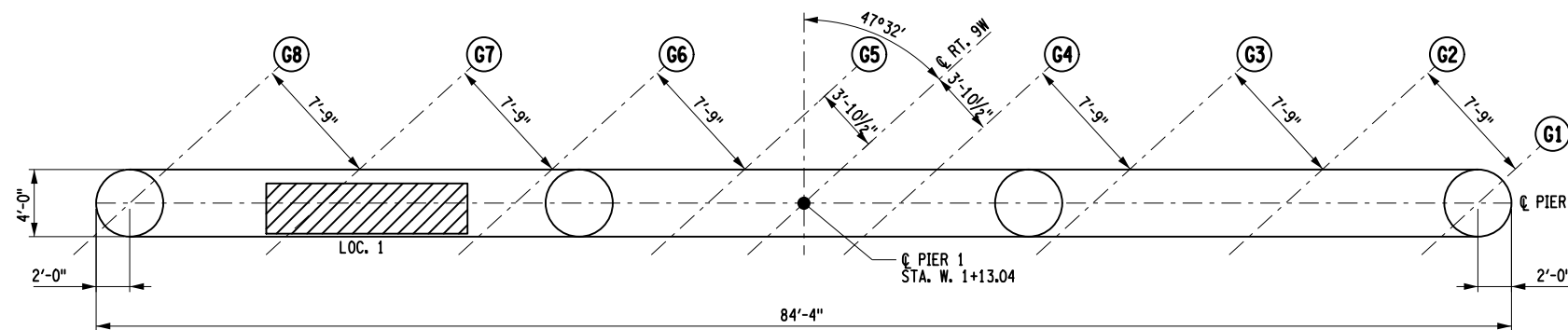
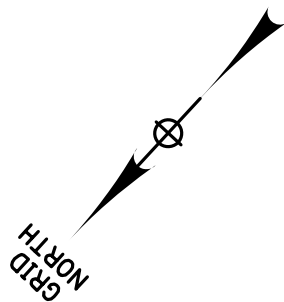
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

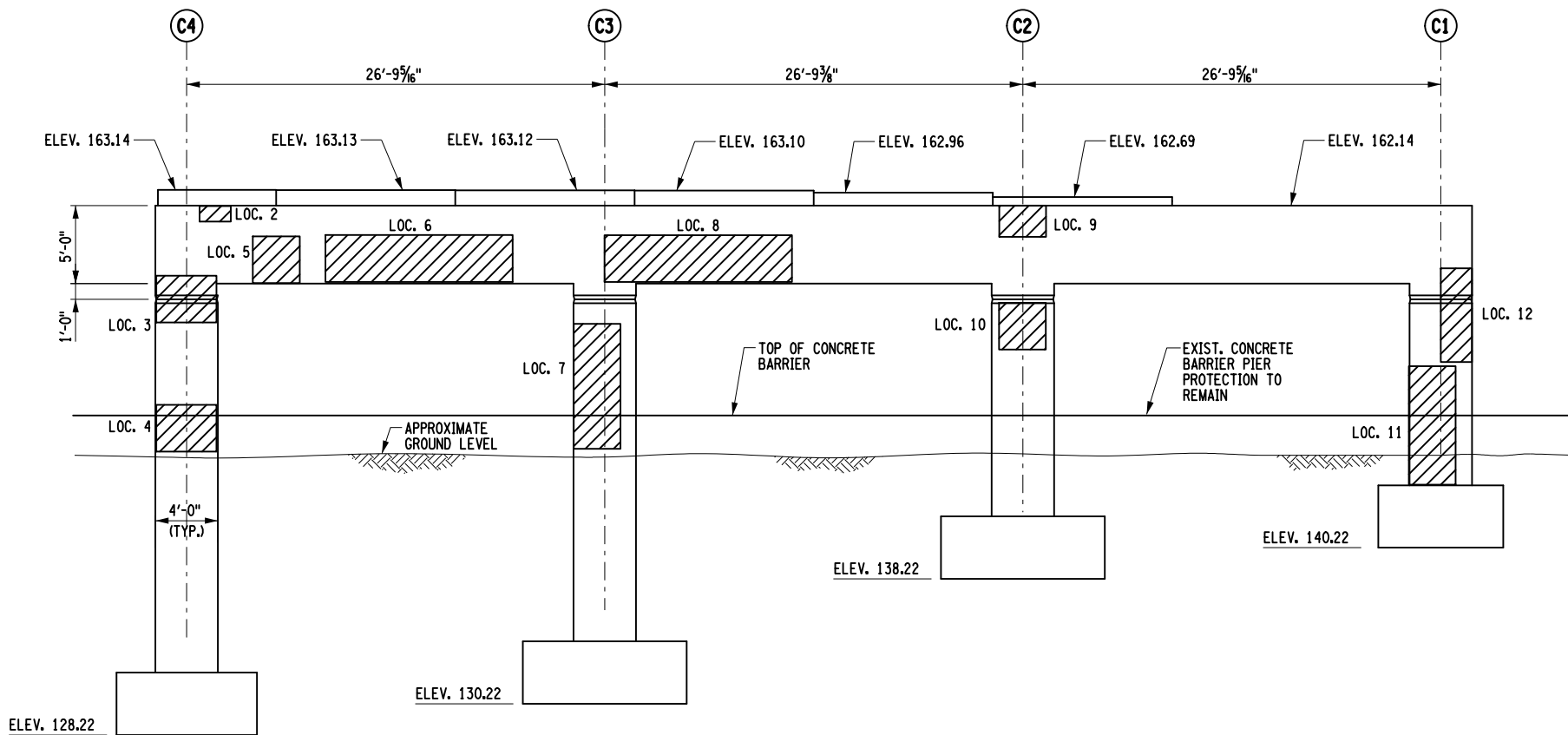
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



PIER 1 BOTTOM OF PIER CAP

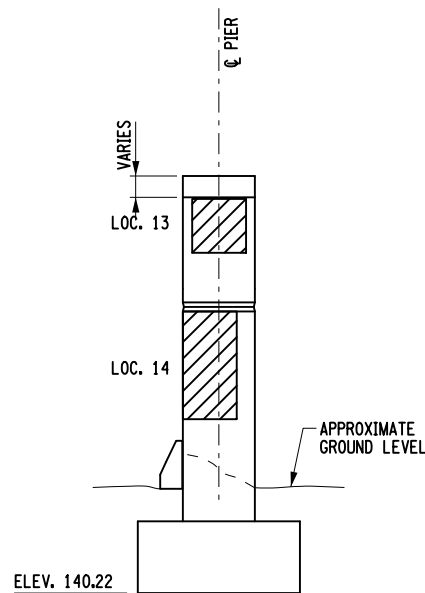
SCALE: $\frac{3}{32}$ "=1'-0"



PIER 1 ELEVATION

(END FACE)

SCALE: $\frac{3}{32}$ "=1'-0"



PIER 1 LEFT ELEVATION

SCALE: $\frac{3}{32}$ "=1'-0"

LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

REFERENCE NOTES:

1. FOR PIER NOTES, SEE DWG. NO. ST1-31.

SUBSTRUCTURE REPAIRS TABLE - PIER 1 END FACE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	12.00	3.00	0.25	0.33
2	2.00	1.00	0.25	0.02
3	5.00	3.00	0.25	0.14
4	5.00	3.00	0.25	0.14
5	3.00	3.00	0.25	0.08
6	12.00	3.00	0.25	0.33
7	3.00	8.00	0.25	0.22
8	12.00	3.00	0.25	0.33
9	3.00	2.00	0.25	0.06
10	3.00	3.00	0.25	0.08
11	3.00	8.00	0.25	0.22
12	2.00	6.00	0.25	0.11
13	3.00	3.00	0.25	0.08
14	3.00	6.00	0.25	0.17
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				2.32

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority



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518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING SUBSTRUCTURE REPAIR END FACE PIER 1	DRAWING NUMBER: ST1-32

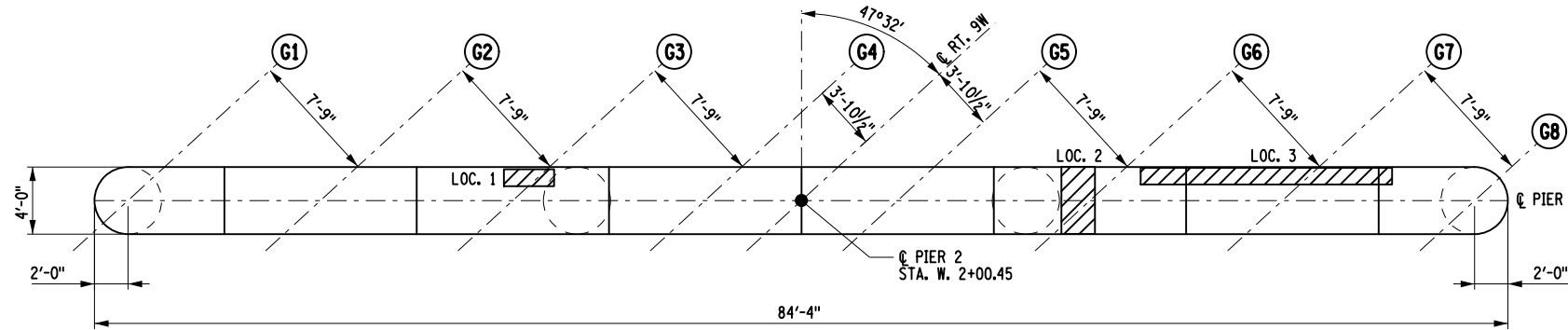
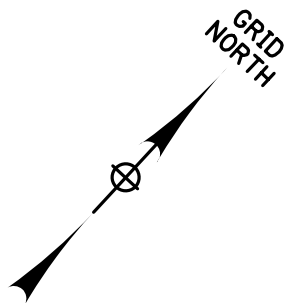
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

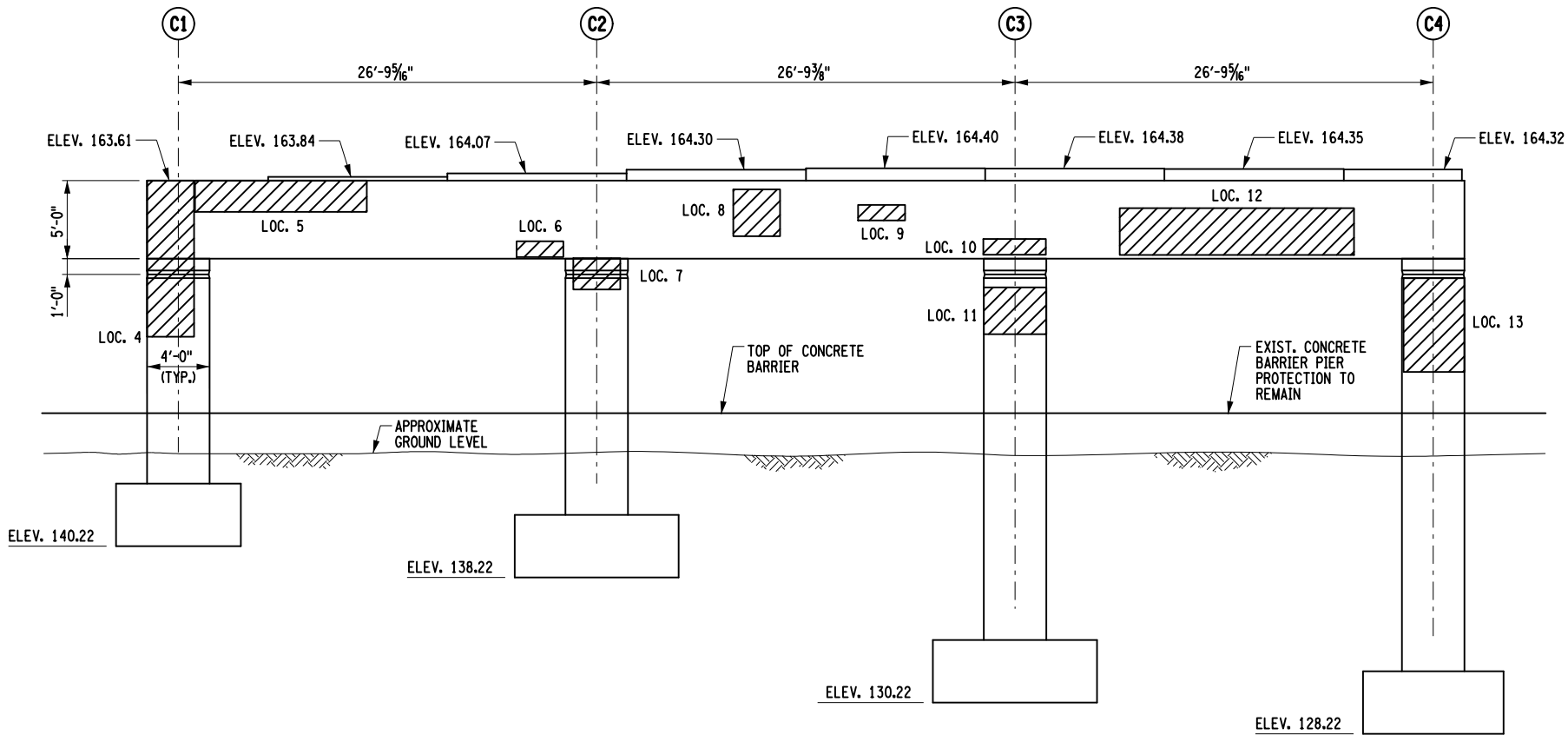
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

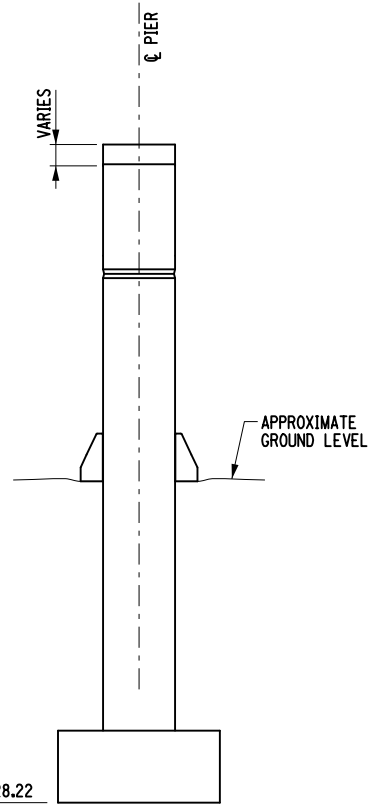
DESIGN SUPERVISOR: J. ADAMCZAK



PIER 2 TOP OF PIER CAP
SCALE: 3/32"=1'-0"



PIER 2 ELEVATION
(BEGIN FACE)
SCALE: 3/32"=1'-0"



PIER 2 RIGHT ELEVATION
SCALE: 3/32"=1'-0"

LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

NOTES:

- FOR PIER NOTES, SEE DWG. NO. ST1-31.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

SUBSTRUCTURE REPAIRS TABLE - PIER 2 BEGIN FACE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	3.00	1.00	0.25	0.03
2	2.00	4.00	0.25	0.07
3	15.00	1.00	0.25	0.14
4	3.00	10.00	0.25	0.28
5	11.00	2.00	0.25	0.20
6	3.00	1.00	0.25	0.03
7	3.00	2.00	0.25	0.06
8	3.00	3.00	0.25	0.08
9	3.00	1.00	0.25	0.03
10	4.00	1.00	0.25	0.04
11	4.00	3.00	0.25	0.11
12	15.00	3.00	0.25	0.42
13	5.00	6.00	0.25	0.28
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				1.76

ALTERED ON:	AFFIXED ON: 09/30/2026
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.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
BEGIN FACE PIER 2

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-33

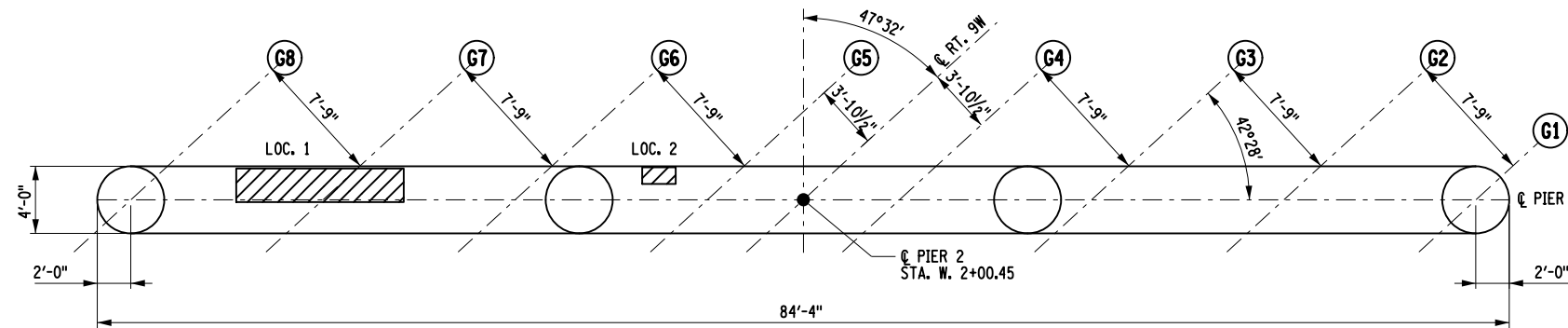
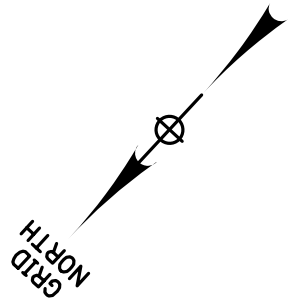
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



PIER 2 BOTTOM OF PIER CAP
SCALE: 3/32"=1'-0"

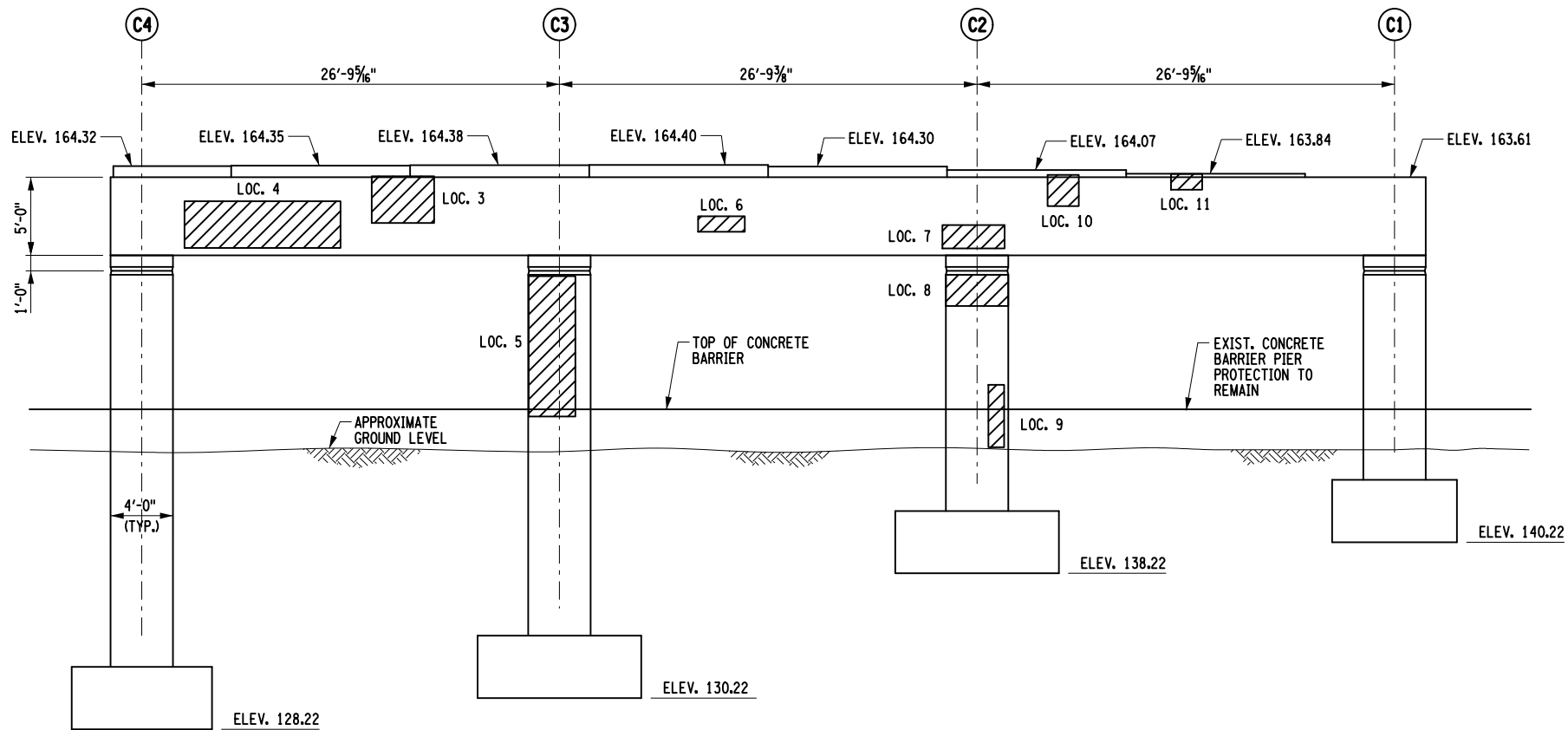
LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

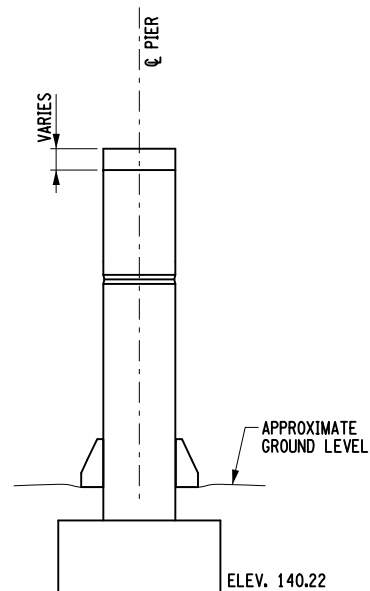
NOTES:

- FOR PIER NOTES, SEE DWG. NO. ST1-31.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

SUBSTRUCTURE REPAIRS TABLE - PIER 2 END FACE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	10.00	2.00	0.25	0.19
2	2.00	1.00	0.25	0.02
3	4.00	3.00	0.25	0.11
4	10.00	3.00	0.25	0.28
5	3.00	9.00	0.25	0.25
6	3.00	1.00	0.25	0.03
7	4.00	1.50	0.25	0.06
8	4.00	2.00	0.25	0.07
9	1.00	4.00	0.25	0.04
10	2.00	2.00	0.25	0.04
11	2.00	1.00	0.25	0.02
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				1.09



PIER 2 ELEVATION
(END FACE)
SCALE: 3/32"=1'-0"



PIER 2 LEFT ELEVATION
SCALE: 3/32"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
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.



Thruway
Authority



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT RT. 9W BRIDGE MP 123.69 (BIN 1053550)	DATE: 08/26/2026
TITLE OF DRAWING SUBSTRUCTURE REPAIR END FACE PIER 2	DRAWING NUMBER: ST1-34



 ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

SUBSTRUCTURE REPAIRS TABLE - PIER 3 BEGIN FACE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	7.00	3.00	0.25	0.19
2	2.00	2.00	0.25	0.04
3	4.00	2.00	0.25	0.07
4	3.00	3.00	0.25	0.08
5	6.00	2.00	0.25	0.11
6	3.00	1.00	0.25	0.03
7	3.00	3.00	0.25	0.08
8	6.00	4.00	0.25	0.22
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.83

1. FOR PIER NOTES, SEE DWG. NO. ST1-31.
2. AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT	REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT	RT. 9W BRIDGE MP 123.69 (BIN 1053550)

TITLE OF DRAWING

SUBSTRUCTURE REPAIR
BEGIN FACE PIER 3

CONTRACT NUMBER:	TAA 26-19B
DATE:	08/26/2026
DRAWING NUMBER:	ST1-35



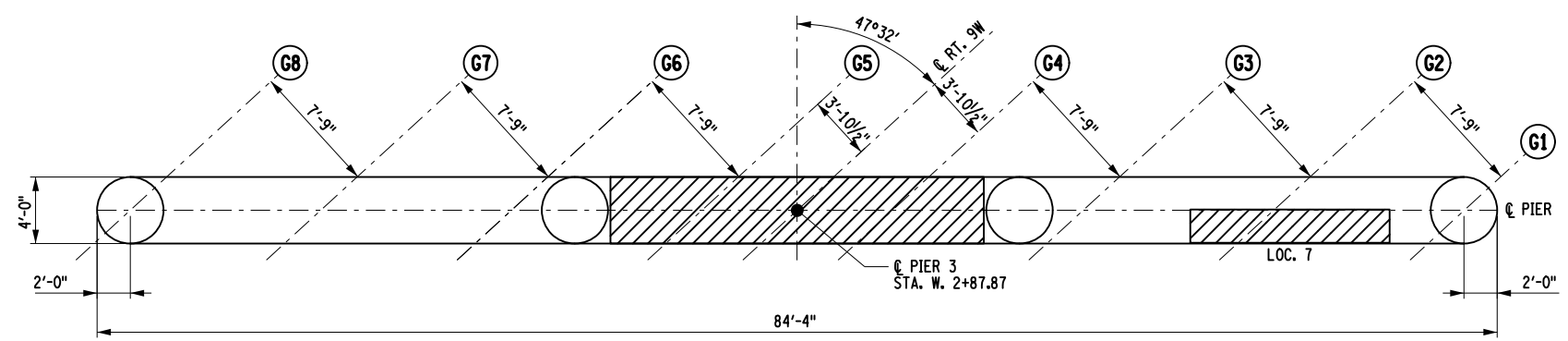
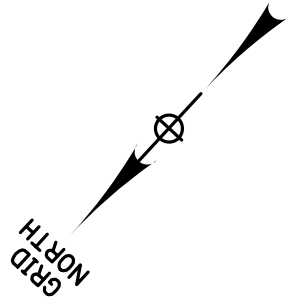
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

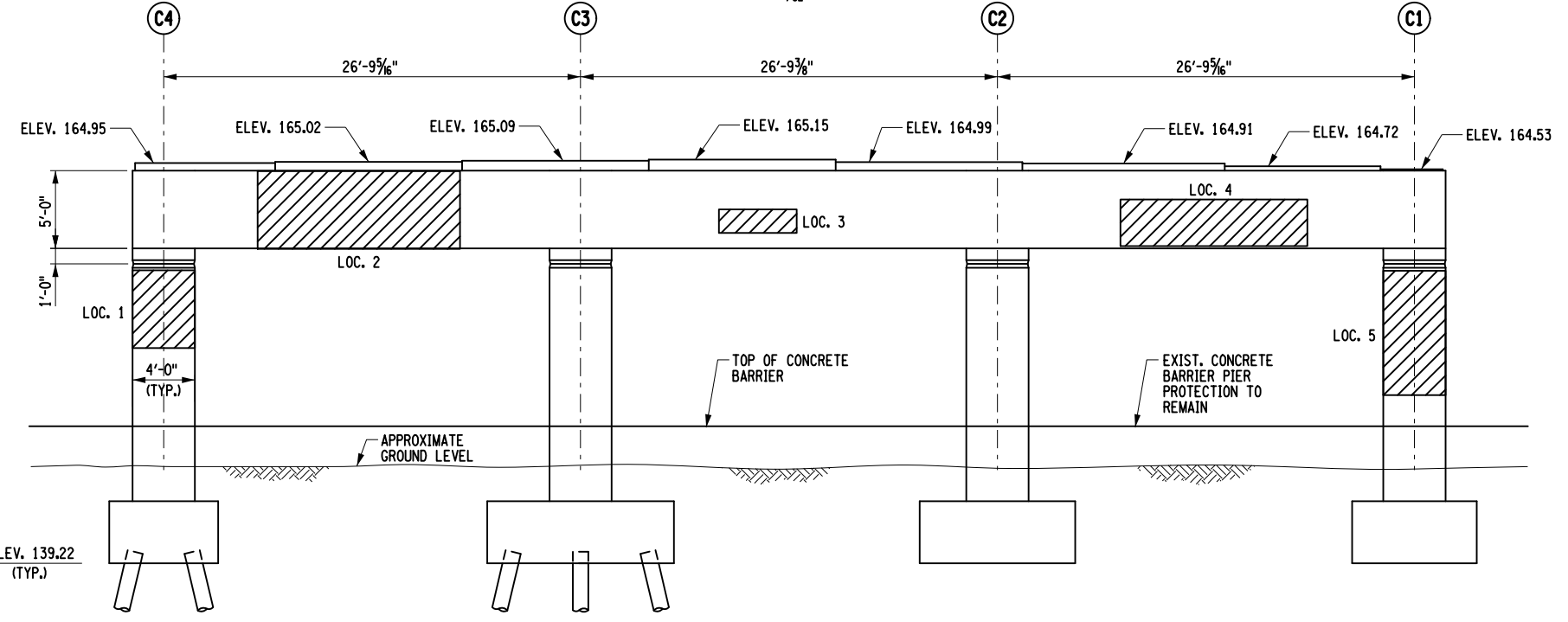
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



PIER 3 BOTTOM OF PIER
SCALE: 3/32"=1'-0"



PIER 3 ELEVATION
(END FACE)
SCALE: 3/32"=1'-0"

NOTE:

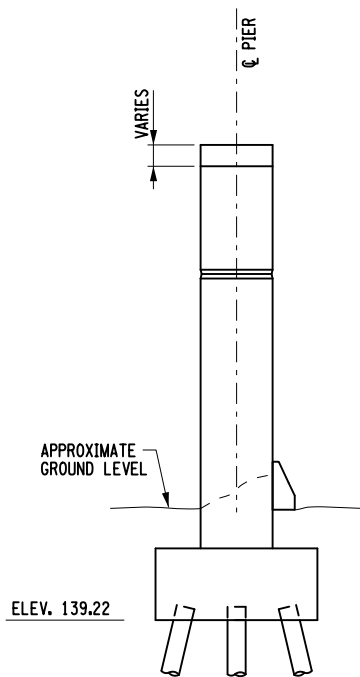
1. FOR PIER NOTES, SEE DWG. NO. ST1-31.
2. AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

LEGEND

 ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

SUBSTRUCTURE REPAIRS TABLE - PIER 3 END FACE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	4.00	5.00	0.25	0.19
2	13.00	5.00	0.25	0.60
3	5.00	1.50	0.25	0.07
4	12.00	3.00	0.25	0.33
5	4.00	8.00	0.25	0.30
6	22.50	4.00	0.25	0.83
7	12.00	2.00	0.25	0.22
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				2.54

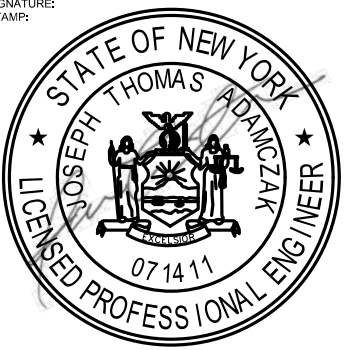
LEFT ELEVATION
SCALE: 3/32"=1'-0"



ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
09/30/2026

SIGNATURE:
STAMP:


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**Thruway Authority**

**GPI**
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
**SUBSTRUCTURE REPAIR
END FACE PIER 3**

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST1-36

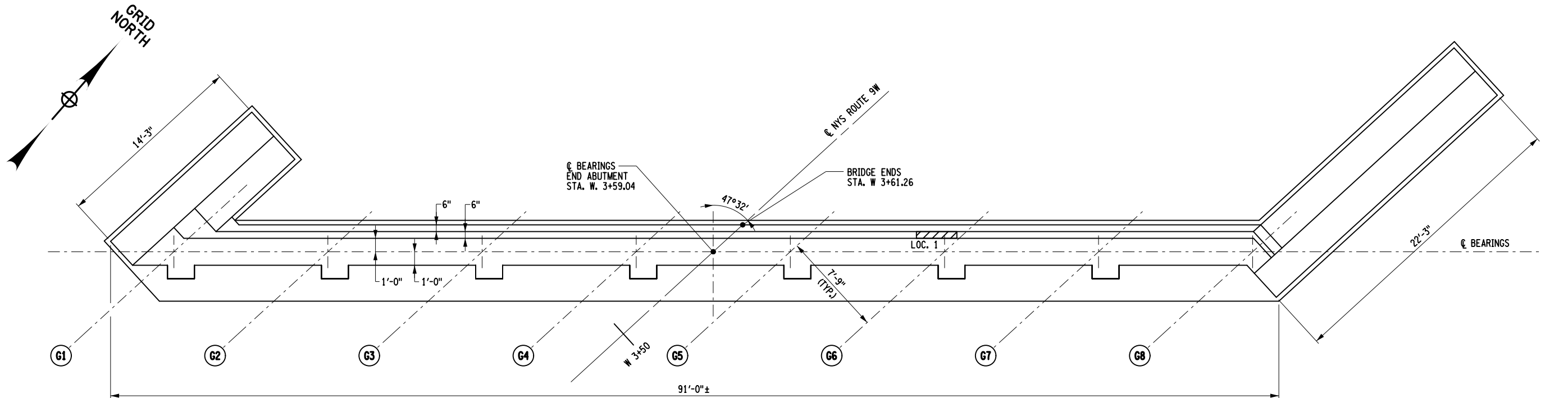
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

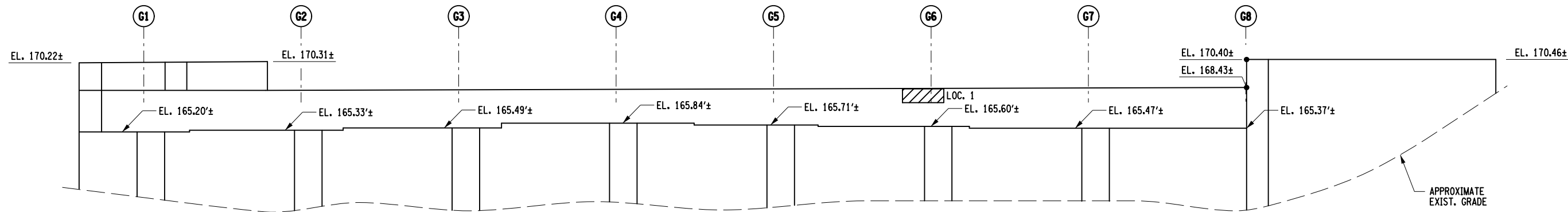
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



END ABUTMENT
SCALE: 1/8"=1'-0"



END ABUTMENT ELEVATION
SCALE: 1/8"=1'-0"

LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

SUBSTRUCTURE REPAIRS TABLE - END ABUTMENT				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2	APPROX. DEPTH (FT)	VOLUME OF REPAIR (CY)
1	3.00	1.00	0.25	0.03
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.03

NOTES:

- ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 AND CONC-2.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.
- FOR PEDESTAL REPAIRS SEE DWG. NO. ST1-11.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

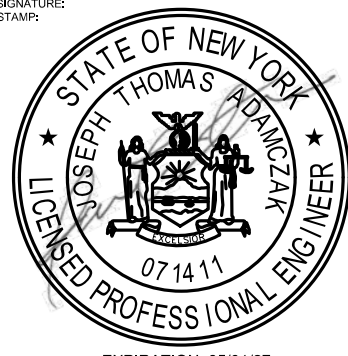
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
RT. 9W BRIDGE
MP 123.69 (BIN 1053550)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
END ABUTMENT

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST1-37



CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

GLENMONT ROAD BRIDGE, MP 139.54		
SHEET NO.	DESCRIPTION	DRAWING NO.
60	INDEX & ESTIMATE OF QUANTITIES	EOQ-1
61	WORK ZONE TRAFFIC CONTROL (1 OF 10)	WZTC2-1
62	WORK ZONE TRAFFIC CONTROL (2 OF 10)	WZTC2-2
63	WORK ZONE TRAFFIC CONTROL (3 OF 10)	WZTC2-3
64	WORK ZONE TRAFFIC CONTROL (4 OF 10)	WZTC2-4
65	WORK ZONE TRAFFIC CONTROL (5 OF 10)	WZTC2-5
66	WORK ZONE TRAFFIC CONTROL (6 OF 10)	WZTC2-6
67	WORK ZONE TRAFFIC CONTROL (7 OF 10)	WZTC2-7
68	WORK ZONE TRAFFIC CONTROL (8 OF 10)	WZTC2-8
69	WORK ZONE TRAFFIC CONTROL (9 OF 10)	WZTC2-9
70	WORK ZONE TRAFFIC CONTROL (10 OF 10)	WZTC2-10
71	BRIDGE PLAN AND ELEVATION	ST2-1
72	TYPICAL BRIDGE SECTION	ST2-2
73	DECK REPAIR PLAN	ST2-3
74	EXISTING JOINT REPLACEMENT DETAILS	ST2-4
75	PROPOSED JOINT REPLACEMENT DETAILS	ST2-5
76	STEEL FRAMING PLAN	ST2-6
77	STEEL REPAIR NOTES	ST2-7
78	STEEL REPAIR DETAILS (1 OF 5)	ST2-8
79	STEEL REPAIR DETAILS (2 OF 5)	ST2-9
80	STEEL REPAIR DETAILS (3 OF 5)	ST2-10
81	STEEL REPAIR DETAILS (4 OF 5)	ST2-11
82	STEEL REPAIR DETAILS (5 OF 5)	ST2-12
83	SUBSTRUCTURE REPAIR BEGIN ABUTMENT	ST2-13
84	SUBSTRUCTURE REPAIR PIER 1	ST2-14
85	SUBSTRUCTURE REPAIR PIER 2	ST2-15
86	SUBSTRUCTURE REPAIR PIER 3	ST2-16
87	SUBSTRUCTURE REPAIR END ABUTMENT	ST2-17

GLENMONT RD (MP 139.54) ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	ESTIMATE	FINAL
206.01	STRUCTURE EXCAVATION	CY	1	
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY	11	
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT CONCRETE FOR STRUCTURES	QU	1	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	800	
559.03	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON EXISTING BRIDGE DECKS	SF	15,500	
564.510002	STRUCTURAL STEEL	LB	4,500	
567.63	BRIDGE JOINT SEAL	LF	174	
570.01	LEAD EXPOSURE CONTROL PLAN	LS	1	
570.02	MEDICAL TESTING	DC	11,360	
570.03	PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS	DC	11,360	
570.04	DECONTAMINATION FACILITIES	CW	4	
570.150001	CLASS A CONTAINMENT FOR PAINT REMOVAL	LS	1	
571.03	DISPOSAL OF HAZARDOUS PAINT WASTE CONTAINING LEAD	LB	39,760	
573.010001	STRUCTURAL STEEL PAINTING FIELD APPLIED, TOTAL REMOVAL	LS	1	
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	11	
582.0051	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	CY	5	
585.04	STRUCTURAL LIFTING OPERATIONS - TYPE D	EA	1	
589.010002	REMOVAL OF EXISTING STEEL - GLENMONT ROAD	LB	1,500	
606.53	RESETTING BOX BEAM GUIDE RAILING	LF	20	
609.04	CAST-IN-PLACE CONCRETE CURB (AS DETAILED)	LF	18	
609.06000008	CURB REMOVAL	LF	18	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.0803	REMOVE PAVEMENT MARKING STRIPES, EPOXY PAINT	LF	2,960	
619.100104	INTERIM PAVEMENT MARKINGS, STRIPES (REMOVABLE WET REFLECTIVE TAPE)	LF	1,670	
619.110513	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATIONS WITH NTCP COMP	EA	4	
619.130201	TEMPORARY TRAFFIC SIGNALS - PORTABLE TRAFFIC SIGNAL SYSTEM	ELOC	2	
619.17060025	LINEAR DELINEATION SYSTEMS	LF	150	
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF	1,220	
619.1714	TEMPORARY POSITIVE BARRIER - CATEGORY 4 (PINNING PERMITTED)	LF	780	
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF	1,080	
619.1719	WARNING LIGHTS ON TEMPORARY POSITIVE BARRIERS	EA	40	
619.24	NIGHTTIME OPERATIONS	LS	1	
619.99230103	ACCESSIBLE SHUTTLE ACCOMODATIONS FOR PEDESTRIANS	CW	6	
625.01	SURVEY OPERATIONS	LS	1	
680.56	EMERGENCY PRE-EMPTION SYSTEM	EA	1	

REVISIONS					Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
DATE	DESCRIPTION	BY	SYM.			LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
						TITLE OF DRAWING INDEX & ESTIMATE OF QUANTITIES	DRAWING NUMBER: EOQ2-1

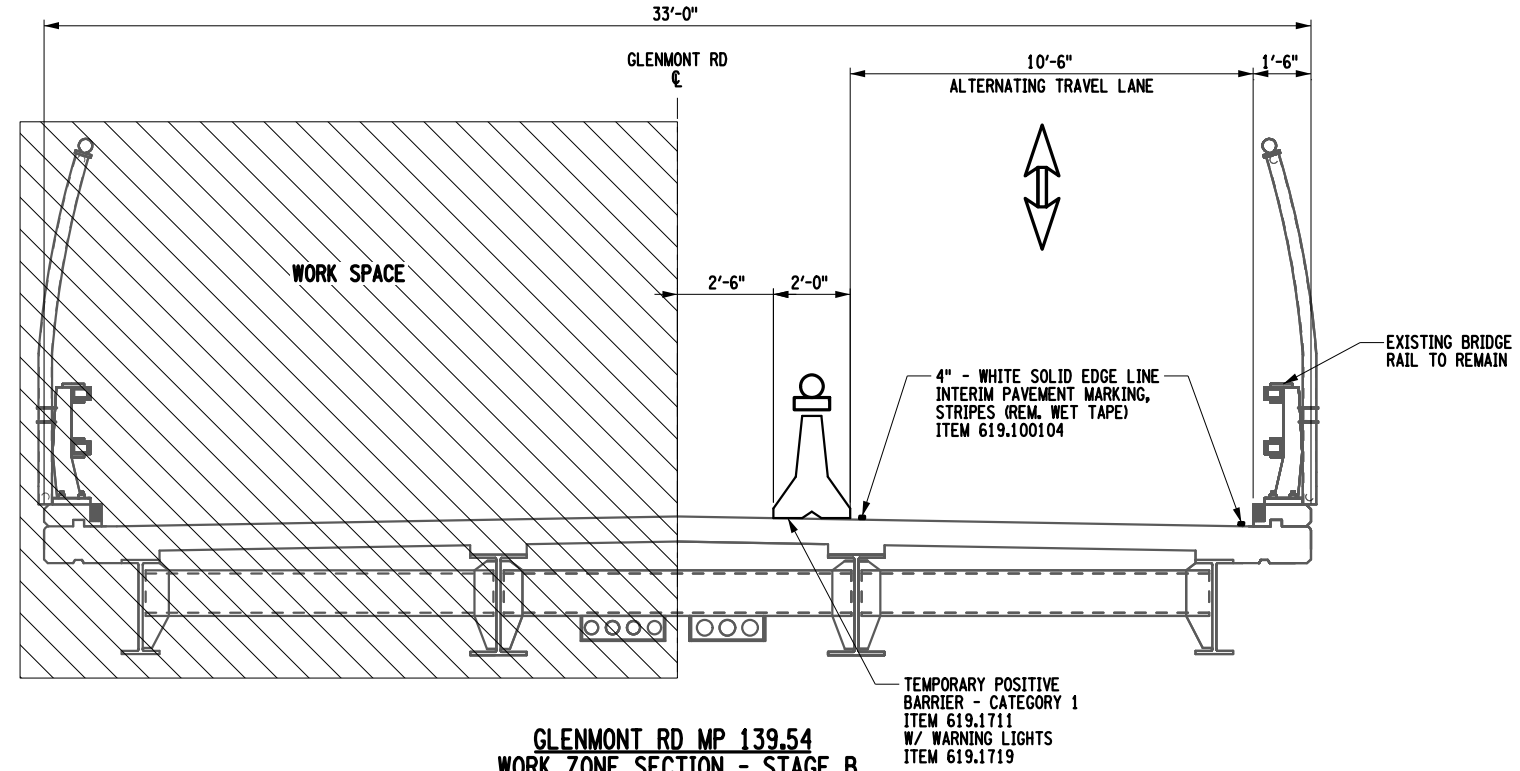
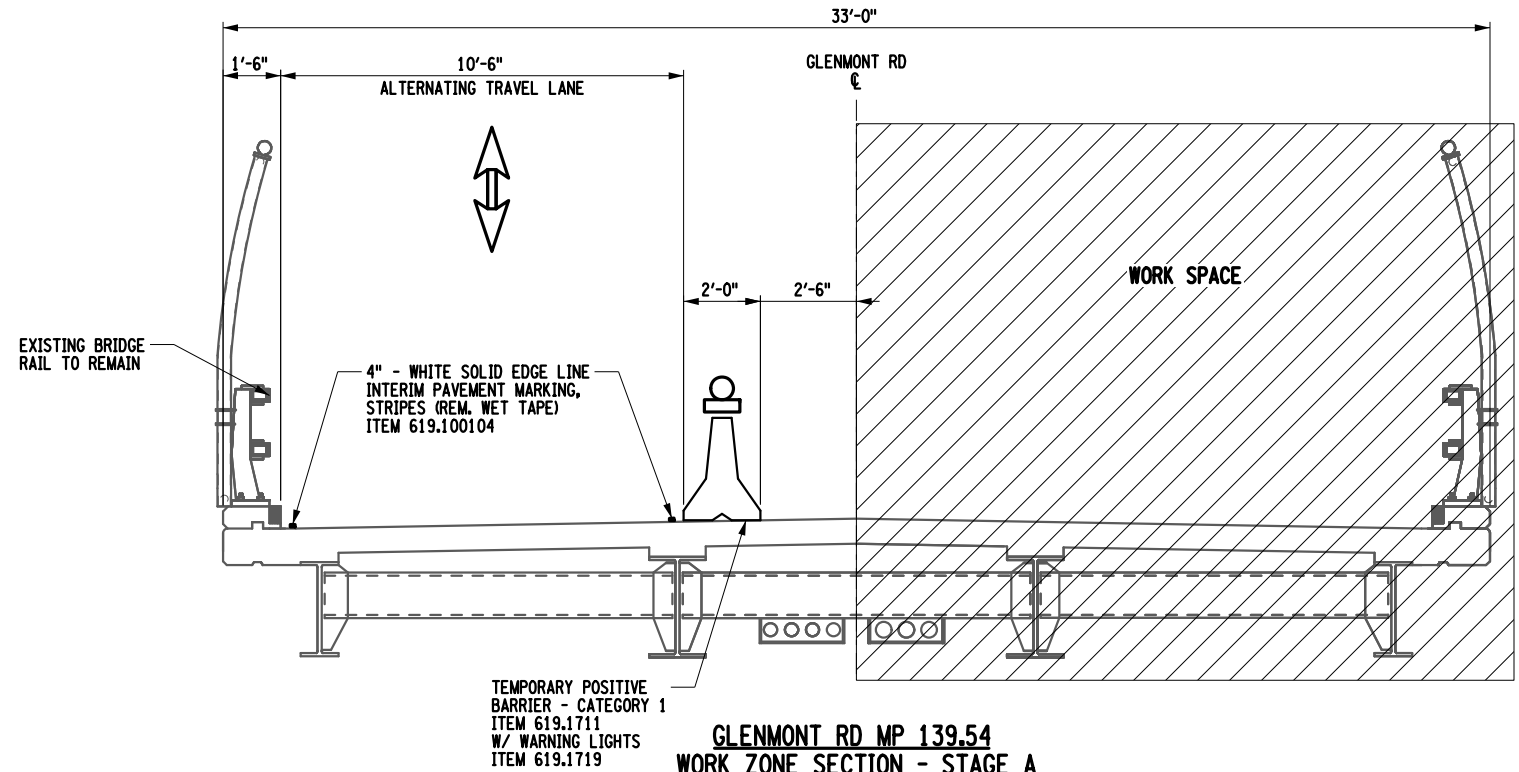
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



NOTE:
1. DURING ANY STAGE THE CONTRACTOR SHALL COVER COMPLETELY ANY EXISTING CONFLICTING PAVEMENT MARKINGS. COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE) ITEMS 619.0803 (TYP).

ALTERED ON:	AFFIXED ON:
SIGNATURE:	SIGNATURE:
STAMP:	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.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: WZTC2-1
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (1 OF 10)	

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

NOTES:

1. THE TEMPORARY SIGNALS ON GLENMONT ROAD REQUIRE A LUMINAIRE TO ILLUMINATE THE PORTABLE TRAFFIC SIGNAL AND THE SURROUNDING AREA. LIGHTING SHALL BE AUTOMATIC, DUSK TO DAWN, TO THE APPROVAL OF THE ENGINEER. COST TO BE INCLUDED IN THE PRICE BID FOR ITEM 619.130201.
2. REFER TO DWG WZTC2-1 FOR TYPICAL SECTIONS.
3. GLENMONT ROAD (URBAN) - PRECONSTRUCTION POSTED SPEED LIMIT = 40 MPH.

TEMPORARY TRAFFIC SIGNAL NOTES:

1. TEMPORARY SIGNAL SHOWN SHALL BE USED AS A GUIDELINE, CONTRACTOR IS RESPONSIBLE FOR LAYING OUT EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS.
2. SIGNAL HEAD REPLACEMENT SHALL MEET THE REQUIREMENTS OF M.U.T.C.D. CHAPTER 4, AND NYSDOT STANDARD SPECIFICATIONS AND SHEETS.
3. ALL PHASES SHALL BE ACTUATED WITH PASSIVE VEHICLE DETECTION (MICROWAVE OR VIDEO) PHASES NOT CALLED SHALL BE SKIPPED UNLESS RECALL IS ON MINIMUM GREEN TIMES SHALL BE SET TO 8 SECONDS AND EXTENTION TIME TO 3 SECONDS.
4. PHASE 1 SHALL NOT BE ALLOWED TO TRANSFER DIRECTLY TO PHASES 3 IN ANY INSTANCE IF PHASE 1 ACTIVATES, IT MUST BE FOLLOWED BY PHASE 2.
5. AN EMERGENCY PRE-EMPTION SYSTEM IS INCLUDED IN THIS CONTRACT (ITEM 680.56). IT IS TO BE INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL TO ENABLE THE SIGNAL TO PRE-EMPTED BY EMERGENCY PERSONNEL. THE CONTRACTOR SHALL SUPPLY THE ENGINEER IN CHARGE (E.I.C.) WITH 3 DEVICES THAT CAN BE USED TO PRE-EMPT THE SIGNAL. THE E.I.C. SHALL PROVIDE THE DEVICES TO SELKIRK FIRE CHIEF, THOMAS NERI, FOR DISTRIBUTION TO THE APPROPRIATE EMERGENCY VEHICLES.

TEMPORARY TRAFFIC SIGNAL TIMING PLAN											
SIGNAL TIMING INTERVALS	SIGNAL HEAD NUMBERS								INTERVAL TIMING	RECALL	
	1	2	3	4	5	6	7	P1			
PHASE 1	G	G	R	R	R	R	R	W*	12 SECONDS		
YELLOW CLEARANCE	Y	Y	R	R	R	R	R	DW	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	DW	1 SECOND		
PHASE 2	R	R	G	G	R	R	FY(L)	DW	60 SECONDS	MIN.	
YELLOW CLEARANCE	R	R	Y	Y	R	R	R	DW	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	DW	34 SECONDS		
PHASE 3	R	R	R	R	G	G	FY(R)	DW	40 SECONDS		
YELLOW CLEARANCE	R	R	R	R	Y	Y	R	DW	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	DW	34 SECONDS		

PEDESTRIAN PHASES SHALL ONLY ACTIVATE IF A PUSH BUTTON IS ACTUATED. OTHERWISE SIGNAL DISPLAY WILL REMAIN A STEADY "HAND" SYMBOL

W = WALK (MAN SYMBOL)
FDW = FLASHING DON'T WALK (HAND SYMBOL)
DW = DON'T WALK (HAND SYMBOL)

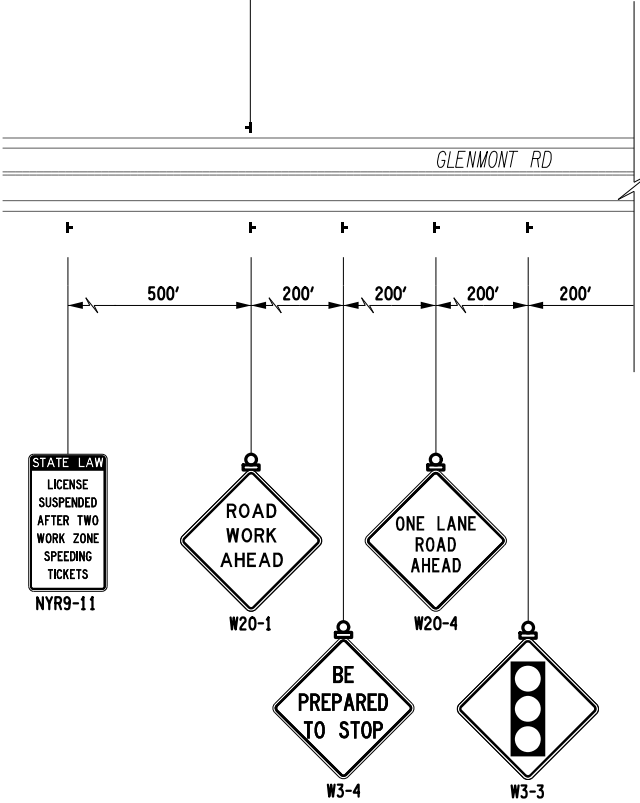
- 7 SECOND WALK, 10 SECOND FLASHING DON'T WALK



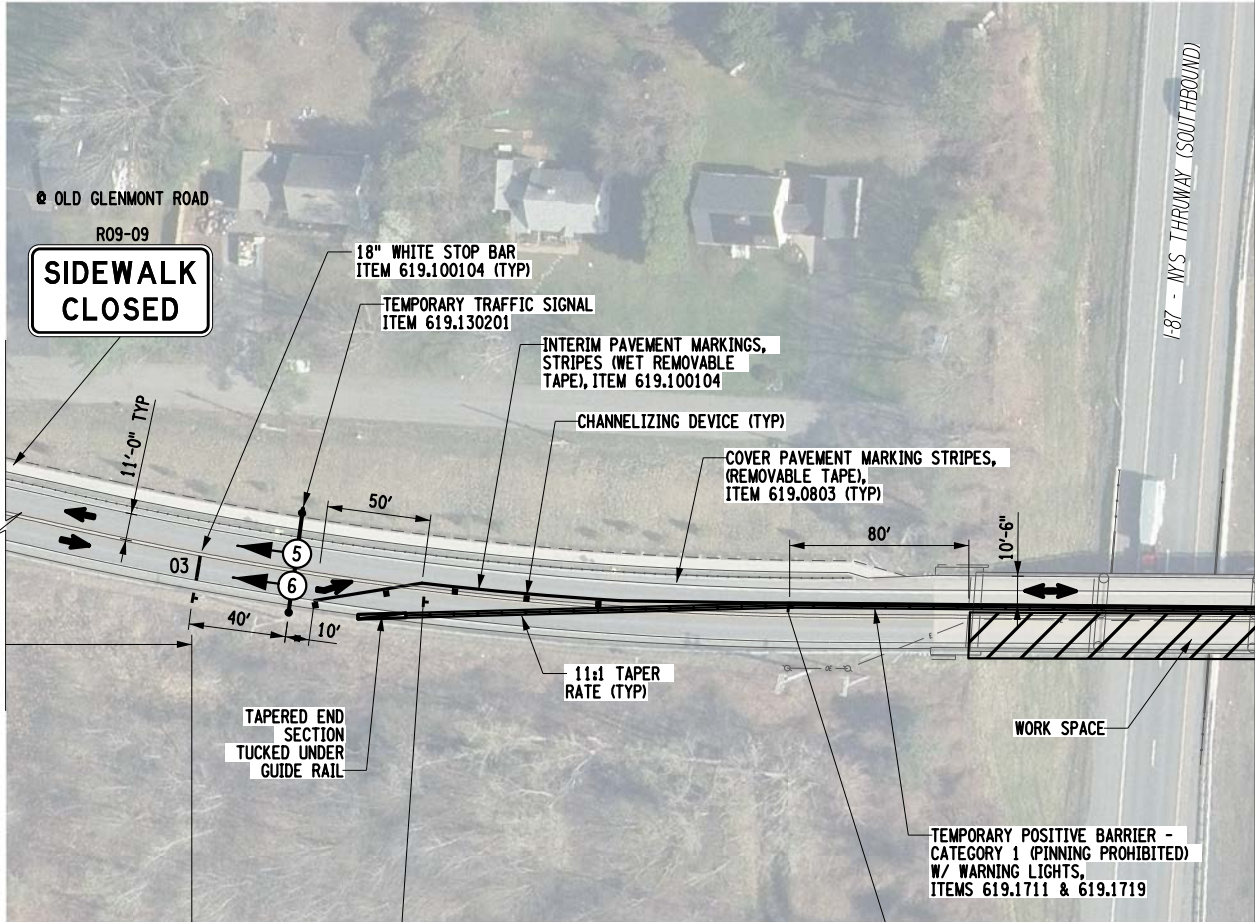
4. TEMPORARY / INTERIM PAVEMENT MARKINGS SHALL BE USED AS SHOWN, OR IN ACCORDANCE TO THE CONTRACT DOCUMENTS. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING SHALL BE REMOVED OR COVERED.
5. THE TEMPORARY POSITIVE BARRIER SHALL NOT BE PLACED ALONG THE TWO-WAY TRAFFIC TAPER. THE LANE SHALL BE CLOSED USING CHANNELIZING DEVICES AND PAVEMENT MARKINGS.
6. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS ARE REQUIRED ON THE SIGNAL AHEAD SIGNS (W3-3). FLASHING WARNING LIGHTS ARE RECOMMENDED ON THE ROAD WORK AHEAD SIGNS (W20-1) AND ONE LANE AHEAD SIGNS (W20-4) AND MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY, AS DETERMINED BY THE ENGINEER.

7. WHERE NO-PASSING LINES ARE NOT ALREADY IN PLACE, THEY SHALL BE ADDED FOR A DISTANCE OF 500'-600' FROM THE STOP BAR. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING SHALL BE REMOVED OR COVERED. IF A PASSING ZONE IS SHORTENED, THE REMAINING LENGTH MUST MEET MINIMUM REQUIREMENTS.
8. THE SUPPORTS FOR TEMPORARY TRAFFIC CONTROL SIGNALS SHALL NOT ENCROACH INTO THE MINIMUM REQUIRED WIDTH OF A "PEDESTRIAN ACCESS ROUTE" OF 4'.

G20-2
END
ROAD WORK



ADVANCED WARNING SIGNAGE
LAYOUT



GLENMONT RD
WORKZONE PLAN STAGE A

STOP
HERE ON
RED
R10-6L



MATCHLINE - SEE DWG WZTC2-3



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (2 OF 10)	DRAWING NUMBER: WZTC2-2

CHECKED BY: A. JACKSON

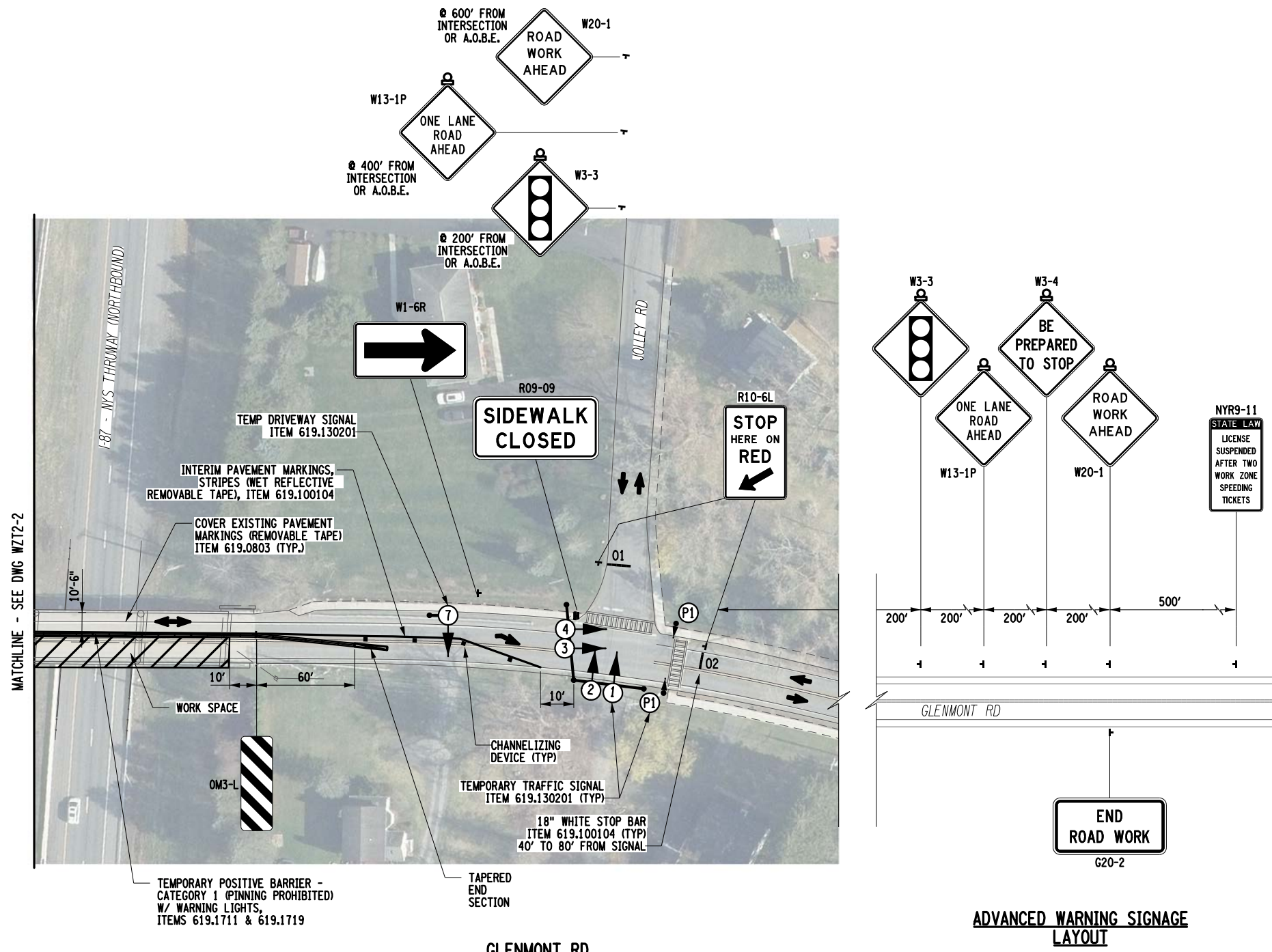
DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

63
110



GLENMONT RD
WORKZONE PLAN STAGE A

- NOTE:**
1. REFER TO DWG WZTC2-1 FOR TYPICAL SECTIONS.
 2. THE CONTRACTOR SHALL COVER ANY CONFLICTING SIGNS WITHIN THE WORK LIMITS A.O.B.E. PAID UNDER PRICE BID FOR ITEM 619.01

ALTERED ON:
10/07/2026

SIGNATURE:
STAMP:

AFFIXED ON:
10/07/2026

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

GPI
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL (3 OF 10)

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
WZTC2-3

NOTES:

1. THE TEMPORARY SIGNALS ON GLENMONT ROAD REQUIRE A LUMINAIRE TO ILLUMINATE THE PORTABLE TRAFFIC SIGNAL AND THE SURROUNDING AREA. LIGHTING SHALL BE AUTOMATIC, DUSK TO DAWN, TO THE APPROVAL OF THE ENGINEER. COST TO BE INCLUDED IN THE PRICE BID FOR ITEM 619.130201.
2. REFER TO DWG WZTC2-2 FOR ADDITIONAL NOTES AND SIGNAL TIMING.
3. REFER TO DWG WZTC2-1 FOR TYPICAL SECTIONS.



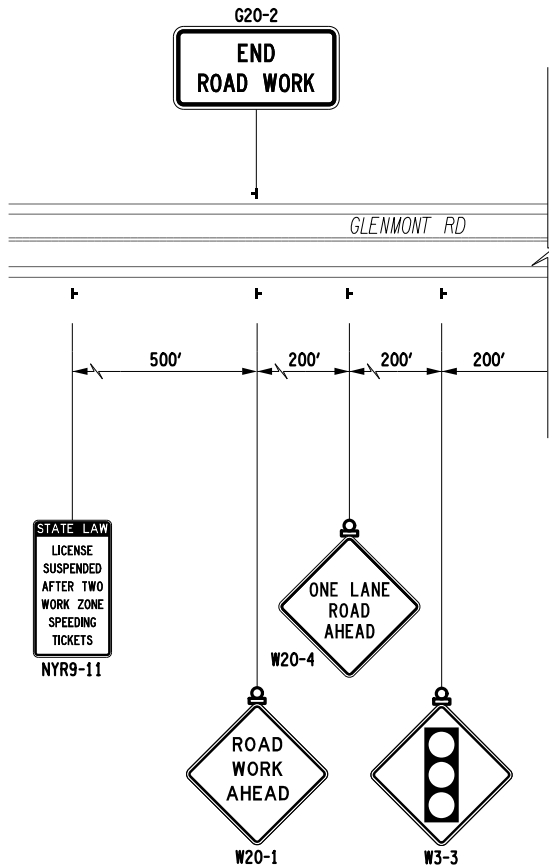
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DRAFTED BY: E. AMLIN

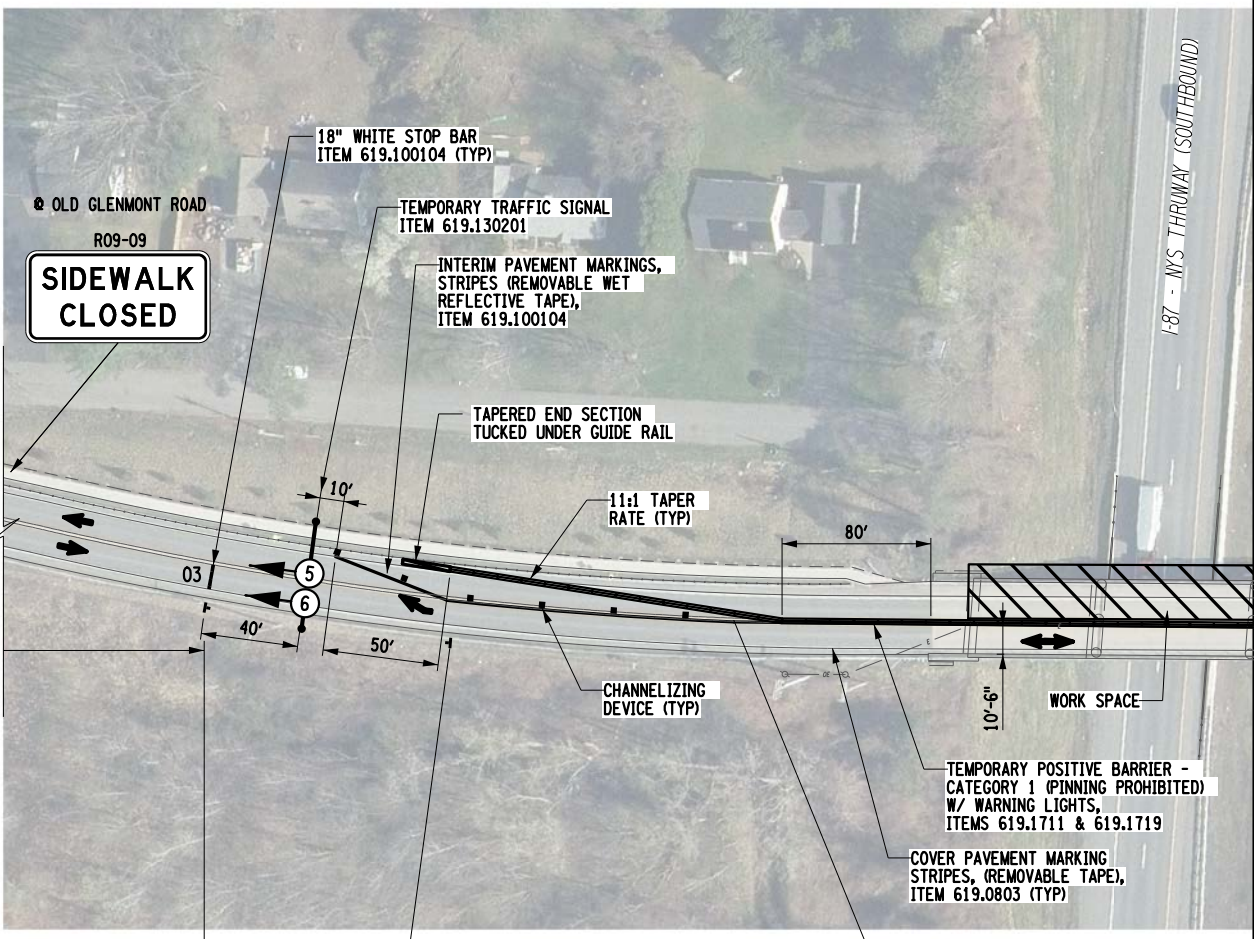
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



ADVANCED WARNING SIGNAGE LAYOUT



WORKZONE PLAN STAGE B

ALTERED ON:	AFFIXED ON:
SIGNATURE: STAMP:	10/07/2026 SIGNATURE: STAMP:

EXPIRATION: 10/31/2028

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: WZTC2-4
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (4 OF 10)	

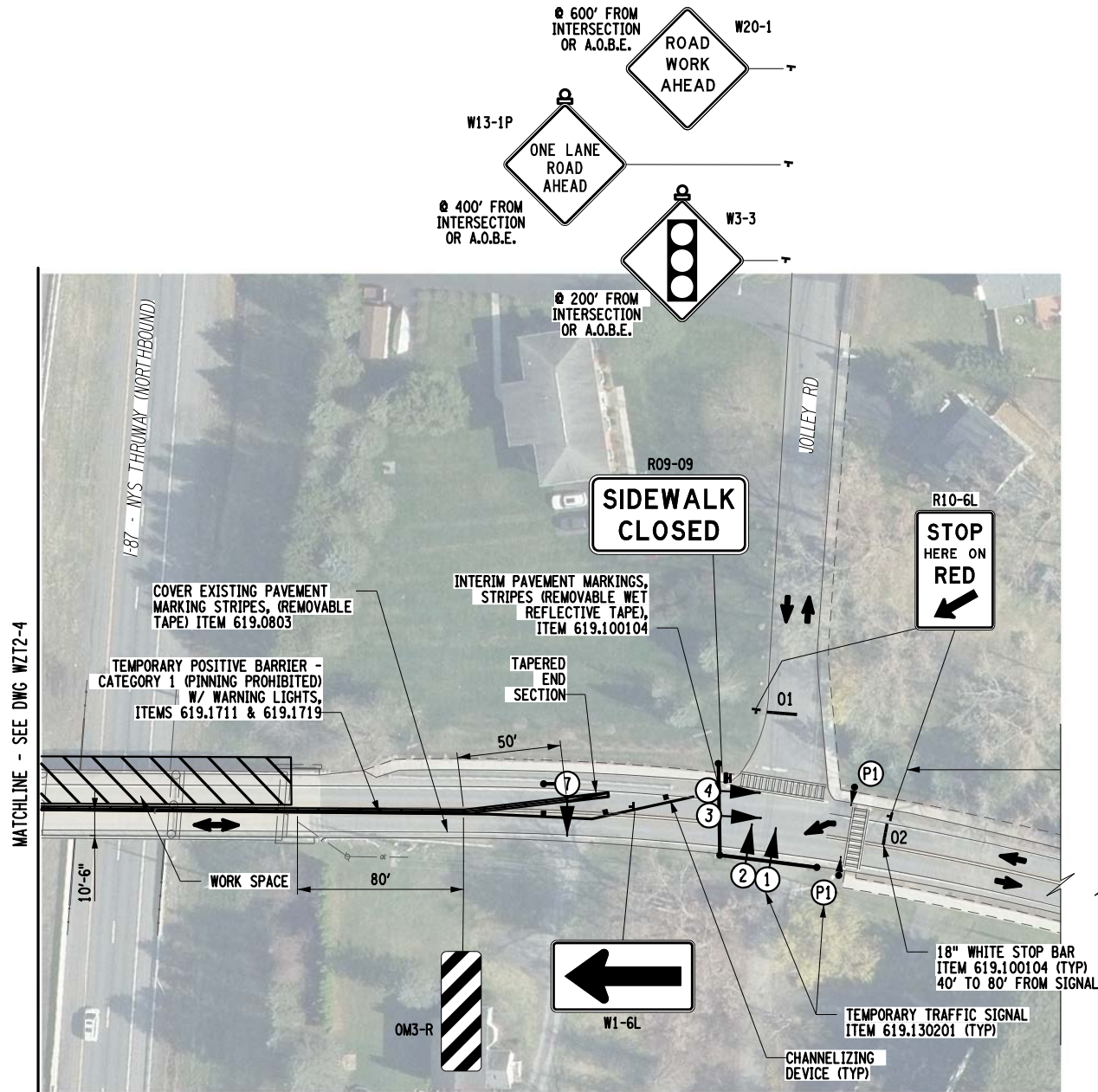
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

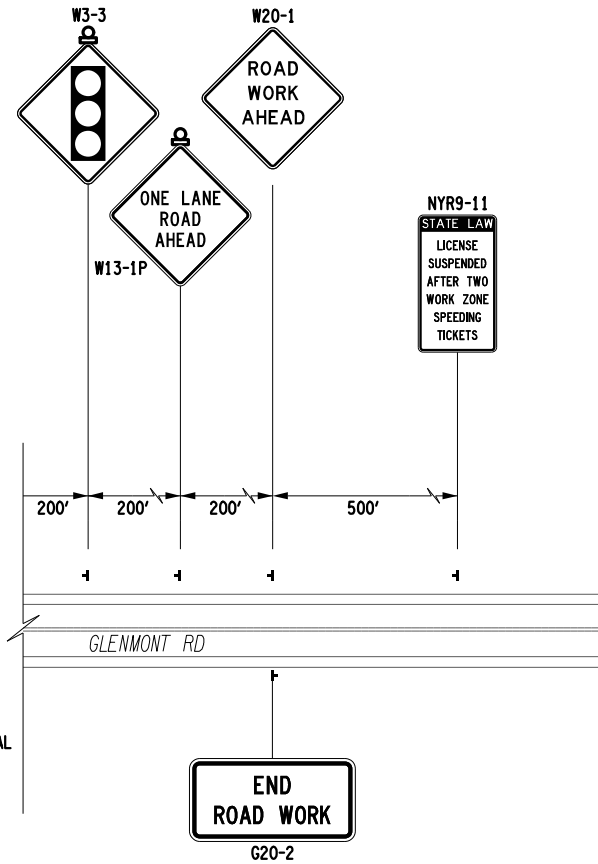
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



WORKZONE PLAN STAGE B



ADVANCED WARNING SIGNAGE LAYOUT



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

NOTE:

1. REFER TO DWG WZTC2-1 FOR TYPICAL SECTIONS.
2. THE CONTRACTOR SHALL COVER ANY CONFLICTING SIGNS WITHIN THE WORK LIMITS A.O.B.E. PAID UNDER PRICE BID FOR ITEM 619.01

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL
(5 OF 10)

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
WZTC2-5

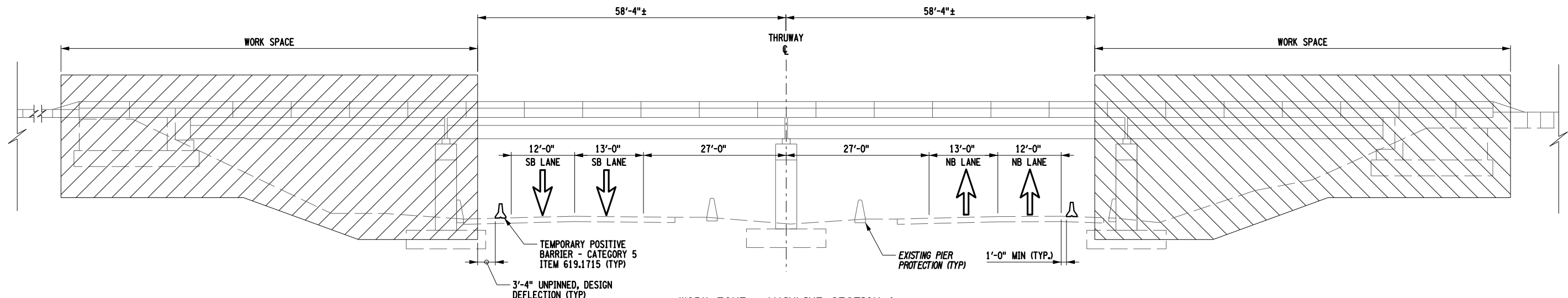
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

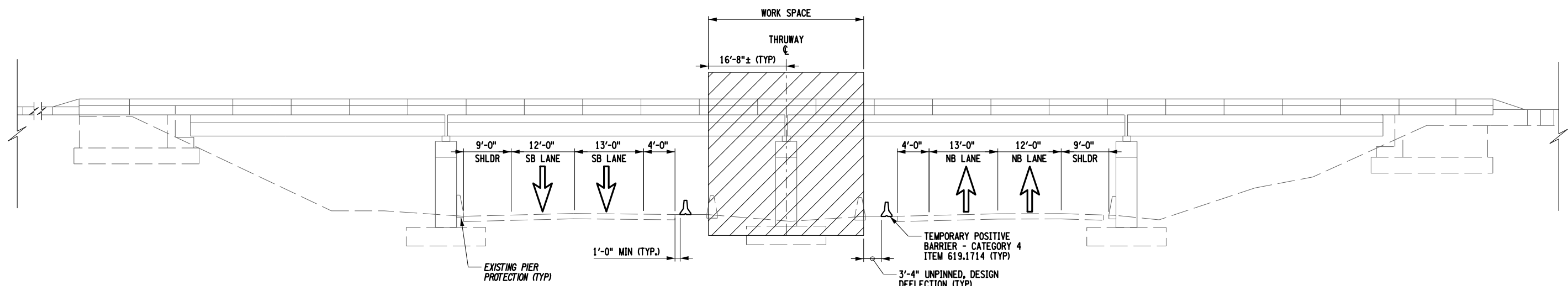
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



WORK ZONE - MAINLINE SECTION 1
RIGHT SHOULDER CLOSURES
MP 139.54 - I-87 NYS THRUWAY
SCALE: NONE



WORK ZONE - MAINLINE SECTION 2
MEDIAN CLOSURE
MP 139.54 - I-87 NYS THRUWAY
SCALE: NONE

NOTE:

1. THE CONTRACTOR SHALL PROPERLY TERMINATE AND ANCHOR ANY REMAINING BARRIER SYSTEM DURING REMOVALS/MODIFICATIONS. OVERLAP TEMPORARY POSITIVE BARRIER 75 FT MINIMUM WITH EXSITING BARRIER SYSTEM.

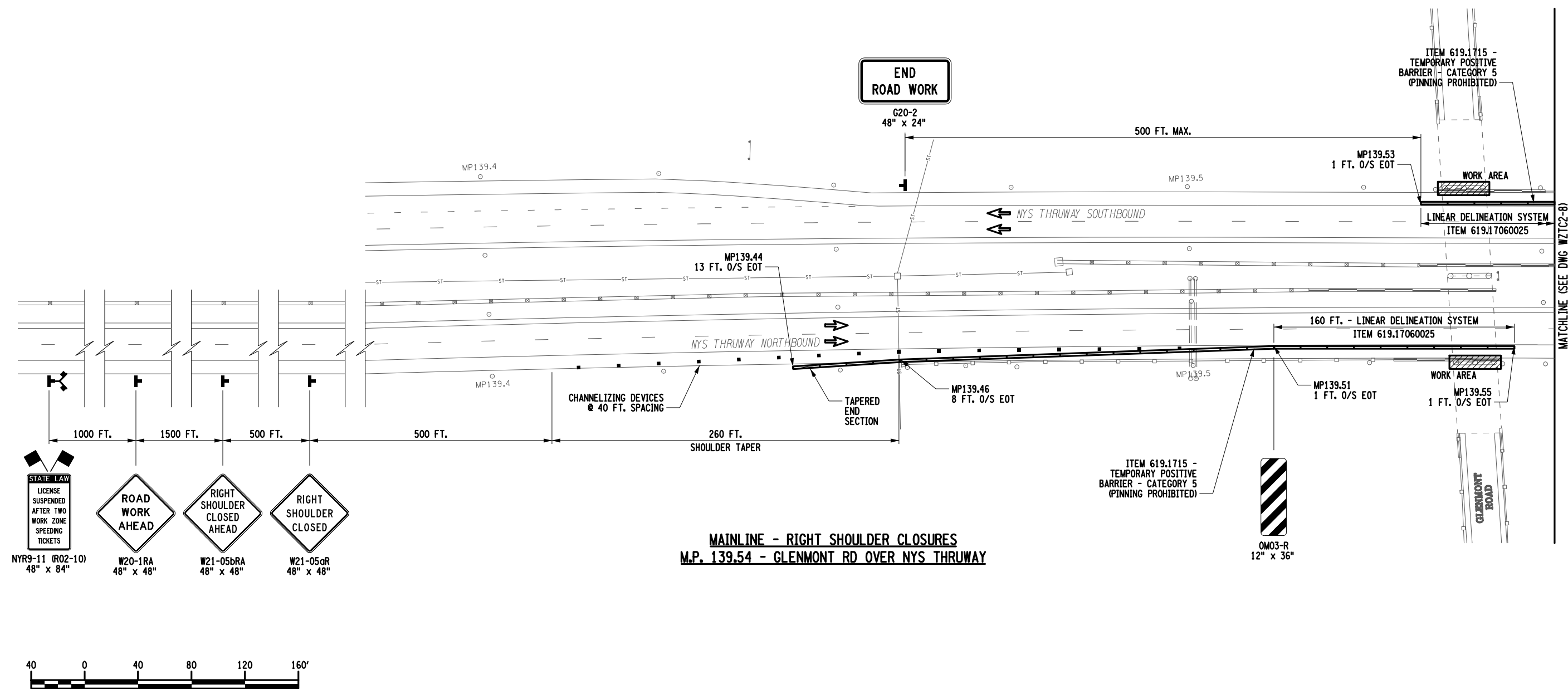
ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (6 OF 10)	DRAWING NUMBER: WZTC2-6

DESIGN SUPERVISOR: J. ADAMCZAK



ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM

**Thruway
Authority**

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT	REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT	GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)
TITLE OF DRAWING	WORK ZONE TRAFFIC CONTROL (7 OF 10)

CONTRACT NUMBER:	TAA 26-19B
DATE:	08/26/2026
DRAWING NUMBER:	WZTC2-7

CHECKED BY: A. JACKSON

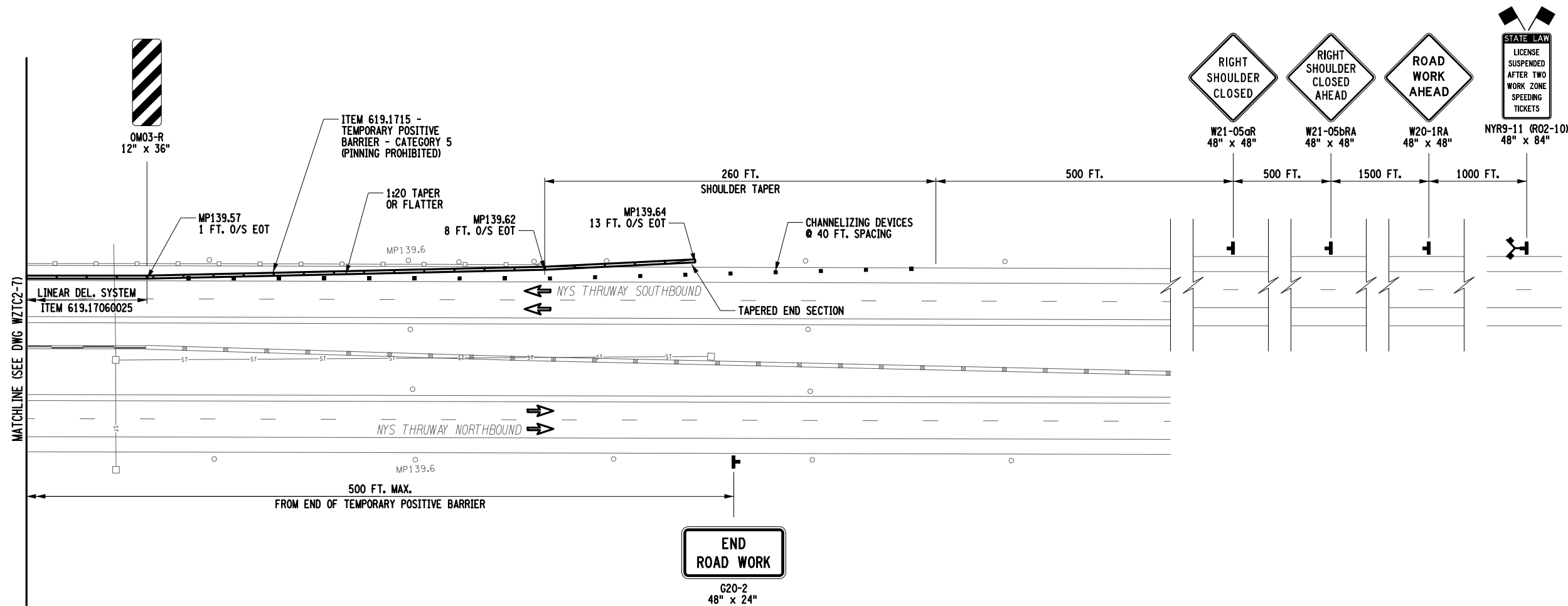
DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

GRID
NORTH



MAINLINE - RIGHT SHOULDER CLOSURES
M.P. 139.54 - GLENMONT RD OVER NYS THRUWAY

ALTERED ON:	AFFIXED ON:
SIGNATURE: STAMP:	10/07/2026 SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER C. CORNWELL
LICENSED PROFESSIONAL ENGINEER
086050
EXPIRATION: 10/31/2028

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: WZTC2-8
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (8 OF 10)	

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

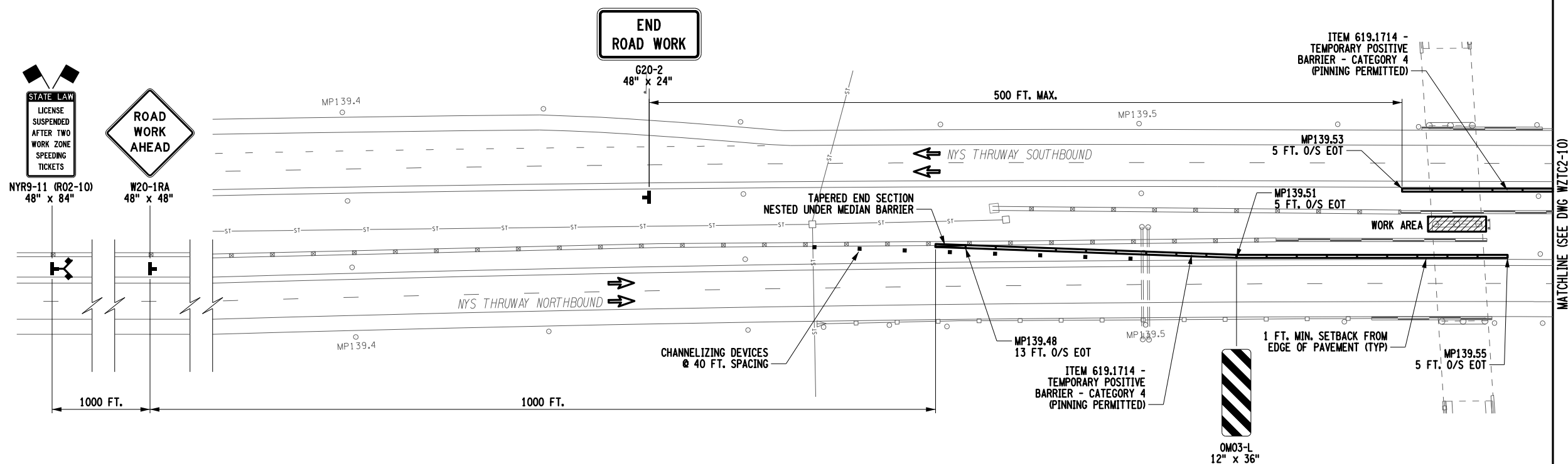
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

69
110

GRID
NORTH



MAINLINE - MEDIAN CLOSURE
M.P. 139.54 - GLENMONT RD OVER NYS THRUWAY



ALTERED ON:	AFFIXED ON:
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER C. CORNWELL
LICENSED PROFESSIONAL ENGINEER
086050
EXPIRATION: 10/31/2028

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: WZTC2-9
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (9 OF 10)	

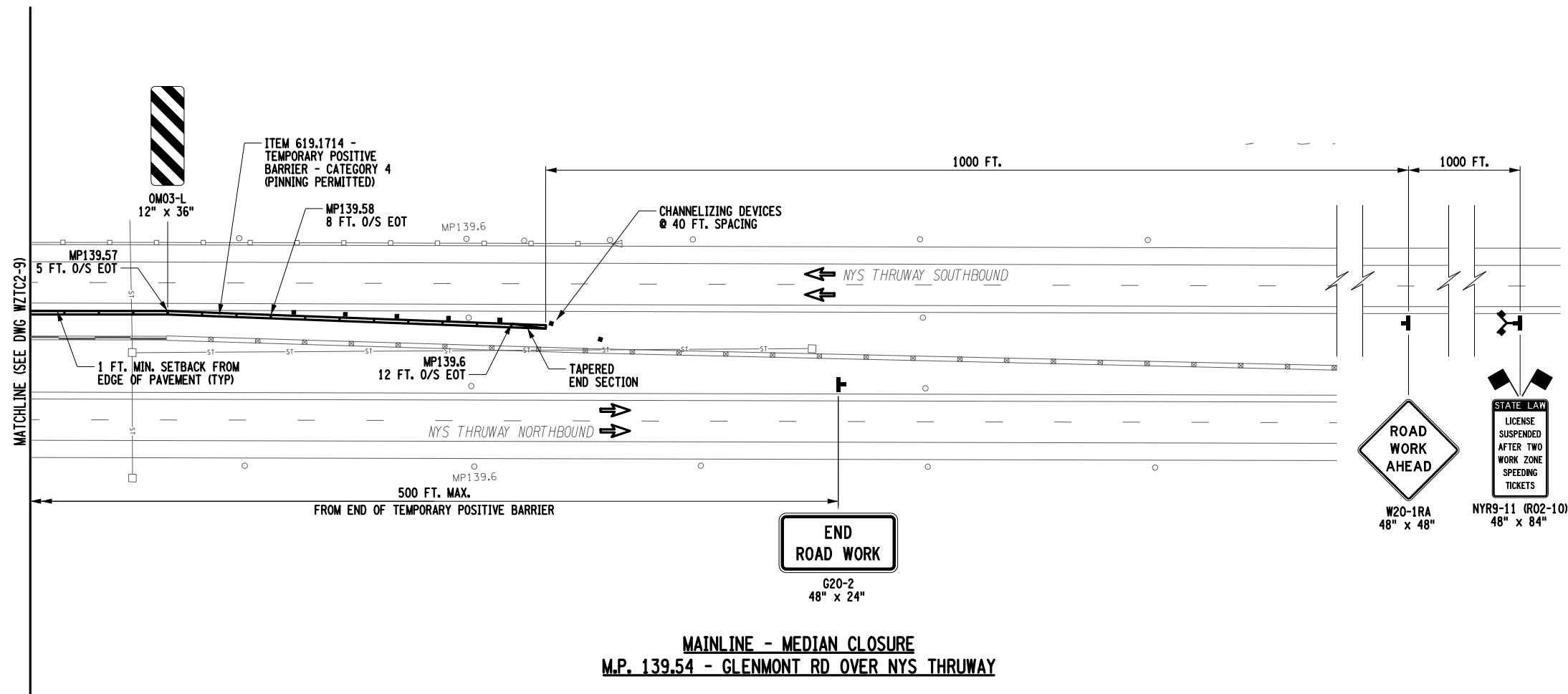
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



MAINLINE - MEDIAN CLOSURE
M.P. 139.54 - GLENMONT RD OVER NYS THRUWAY

**END
ROAD WORK**
G20-2
48" x 24"

**ROAD
WORK
AHEAD**
W20-1RA
48" x 48"

**STATE LAW
LICENSE
SUSPENDED
AFTER TWO
WORK ZONE
SPEEDING
TICKETS**
NYR9-11 (R02-10)
48" x 84"



ALTERED ON:	AFFIXED ON: 10/07/2026
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.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: WZTC2-10
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (10 OF 10)	

CHECKED BY: J. ADAMCZAK

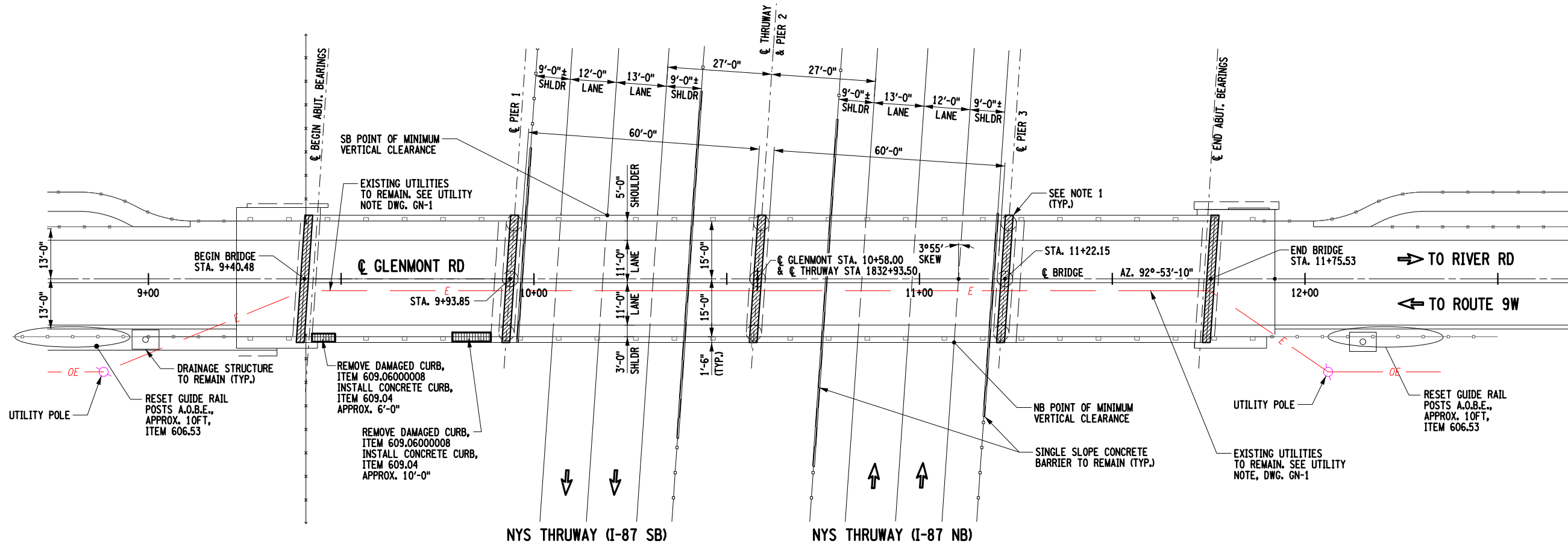
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CHECKED BY: J. LANDRY

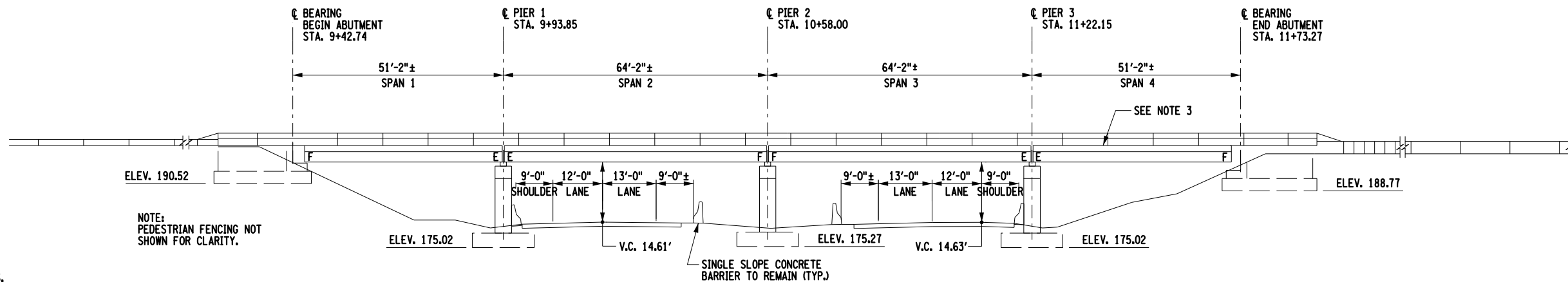
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

GRID
NORTH



GLENMONT RD MP 139.54
PLAN



ELEVATION

LEGEND

- JOINT REFERENCES, SEE DWG. ST2-4 AND ST2-5
- CURB REPLACEMENT LOCATIONS SEE DWG. CONC-2

NOTES:

- REMOVE EXISTING BRIDGE JOINT SYSTEM AND INSTALL NEW ARMORLESS JOINT SYSTEM. SEE DWG. NO. ST2-4 AND ST2-5 FOR DETAILS.
- REMOVE AND REPLACE DETERIORATED CONCRETE IN DECK, ITEM 582.0051. SEE DWG. NO. ST2-3 FOR ANTICIPATED REPAIR LOCATIONS AND SIZES.
- FOR CURB RESETTING, RAILING AND POST CONNECTION DETAILS, SEE DWG. CONC-2
- IN ADDITION TO THOSE UTILITIES CARRIED BY THIS STRUCTURE, THE CONTRACTORS ATTENTION IS DRAWN TO THE PRESENCE OF OVERHEAD HIGH VOLTAGE ELECTRIC LINES IN PROXIMITY TO THIS BRIDGE, THE CONTRACTOR SHALL PLAN HIS OPERATIONS ACCORDINGLY.

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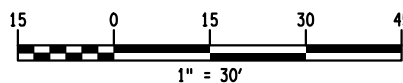
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

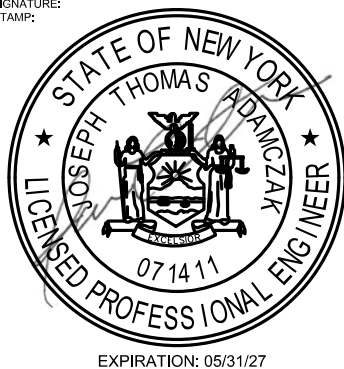
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM



TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)
TITLE OF DRAWING
BRIDGE PLAN
AND ELEVATION

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-1



CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

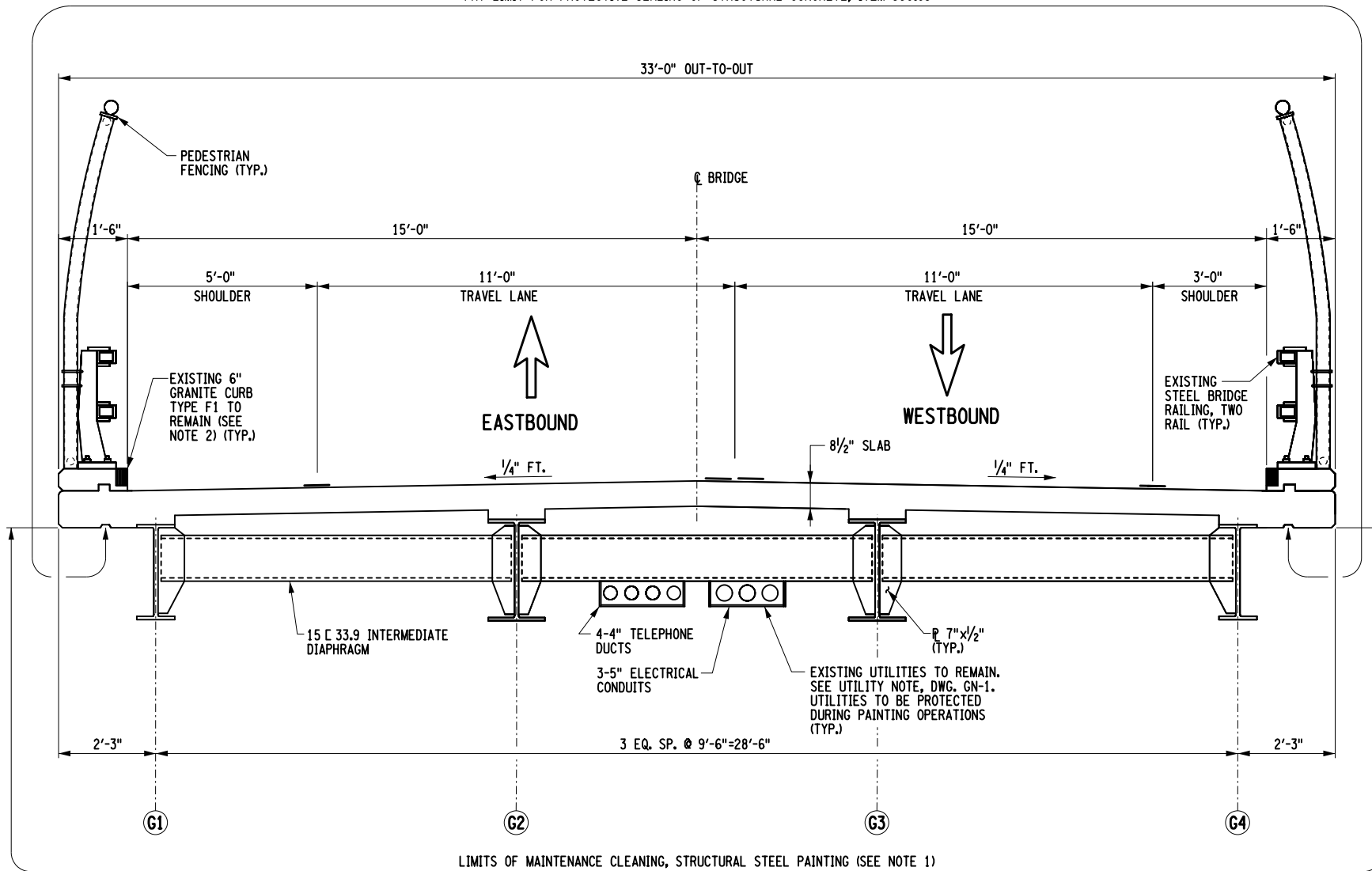
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

72
110

PAY LIMIT FOR PROTECTIVE SEALING OF STRUCTURAL CONCRETE, ITEM 559.03

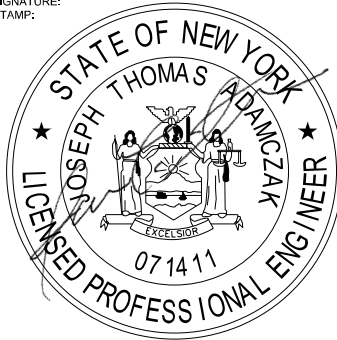


TYPICAL BRIDGE SECTION

(LOOKING UPSTATION)
SCALE: 1/4"=1'-0"

NOTES:

1. ALL STRUCTURAL STEEL TO BE PAINTED, TO BE PAID UNDER ITEM 573.010001.
2. PORTIONS OF EXISTING CURB TO BE RESET AT LOCATIONS AS SHOWN IN DWG. NO. ST2-1, ITEM 609.04 AND ITEM 609.06000008.

ALTERED ON:	AFFIXED ON: 10/07/2026
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.



**Thruway
Authority**

GPI

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TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
TYPICAL BRIDGE SECTION

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-2

CHECKED BY: J. ADAMCZAK

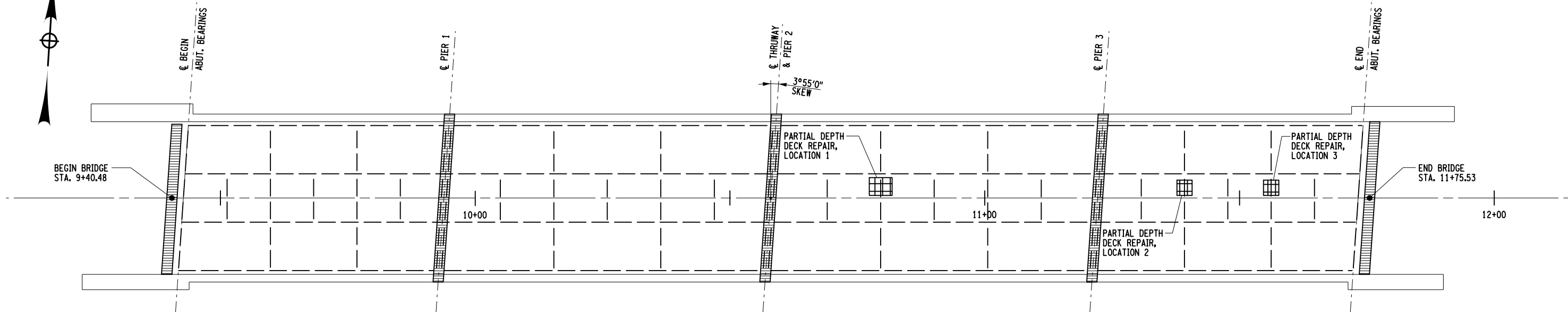
DRAFTED BY: F. CUCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

GRID
NORTH



CONCRETE DECK REPAIR LOCATIONS PLAN

SCALE: 1"=20'-0"

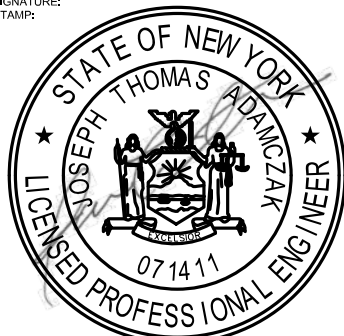
DECK REPAIRS (ITEM 582.0051) TABLE				
REPAIR TYPE	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	APPROXIMATE DEPTH (FT)	AREA OF REPAIRS (CY)
PARTIAL DEPTH 1	4.50	3.50	0.50	0.29
PARTIAL DEPTH 2	3.00	3.00	0.50	0.17
PARTIAL DEPTH 3	3.00	3.00	0.50	0.17
TOTAL AREA OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY)				0.63

ALTERED ON:

AFFIXED ON:
09/30/2026

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



EXPIRATION: 05/31/27

LEGEND

-  PARTIAL DEPTH REPAIR AREAS, SEE DWG. CONC-2 FOR DETAILS
-  JOINT REPAIR AREAS, SEE DWG. NO. ST2-4 AND ST2-5 FOR DETAILS AND QUANTITIES

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REVISIONS

DATE	DESCRIPTION	BY	SYMBOL



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TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
DECK REPAIR PLAN

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-3

CHECKED BY: J. ADAMCZAK

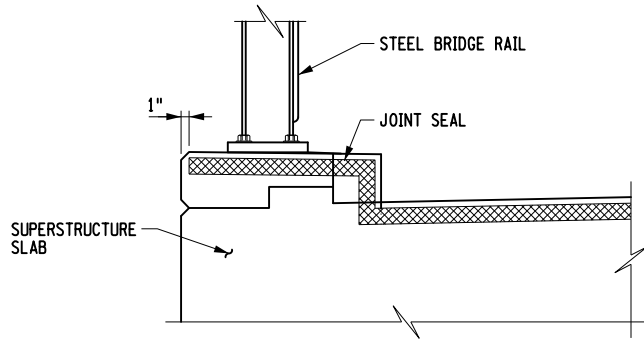
DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

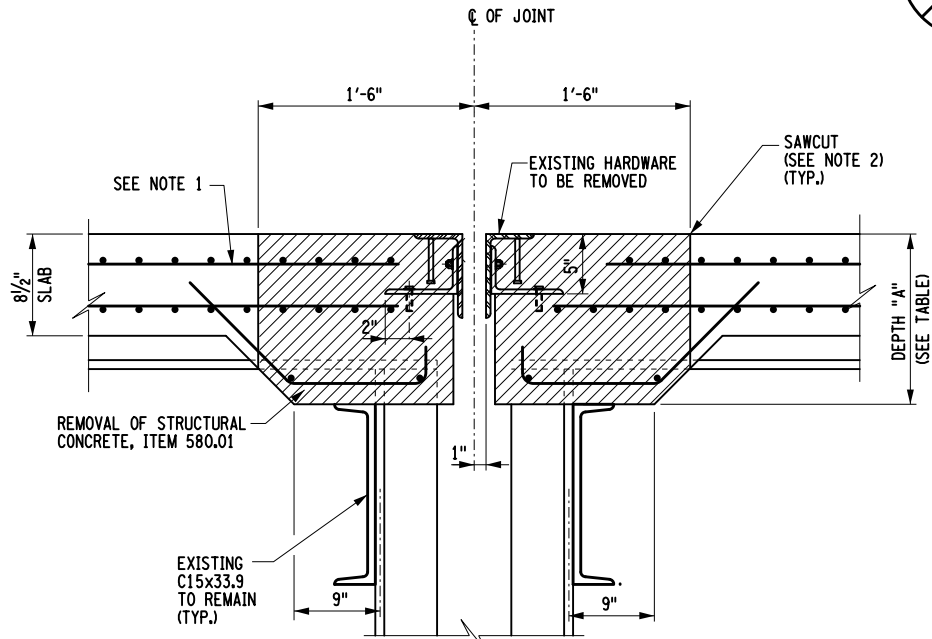
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

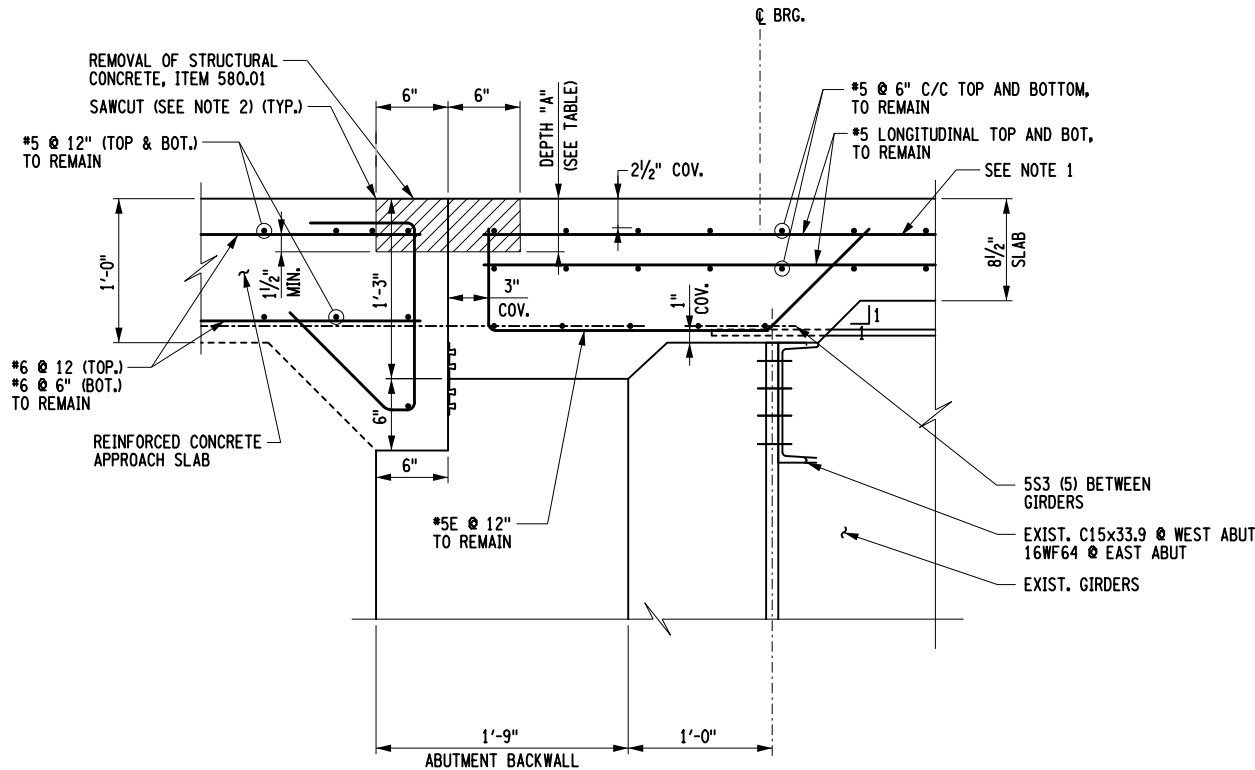
JOINT REMOVAL (ITEM 580.01) TABLE				
LOCATION	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	"A" APPROXIMATE DEPTH (FT)	VOLUME OF REMOVAL (CY)
Begin Abt Joint	33.08	1.00	0.42	0.51
Pier 1 Joint	33.08	2.83	1.25	4.33
Pier 2 Joint	33.08	1.00	1.00	1.23
Pier 3 Joint	33.08	2.83	1.25	4.33
End Abt Joint	33.08	1.00	0.42	0.51
TOTAL VOLUME OF REMOVAL OF CONCRETE, ITEM 580.01 (CY):				10.91



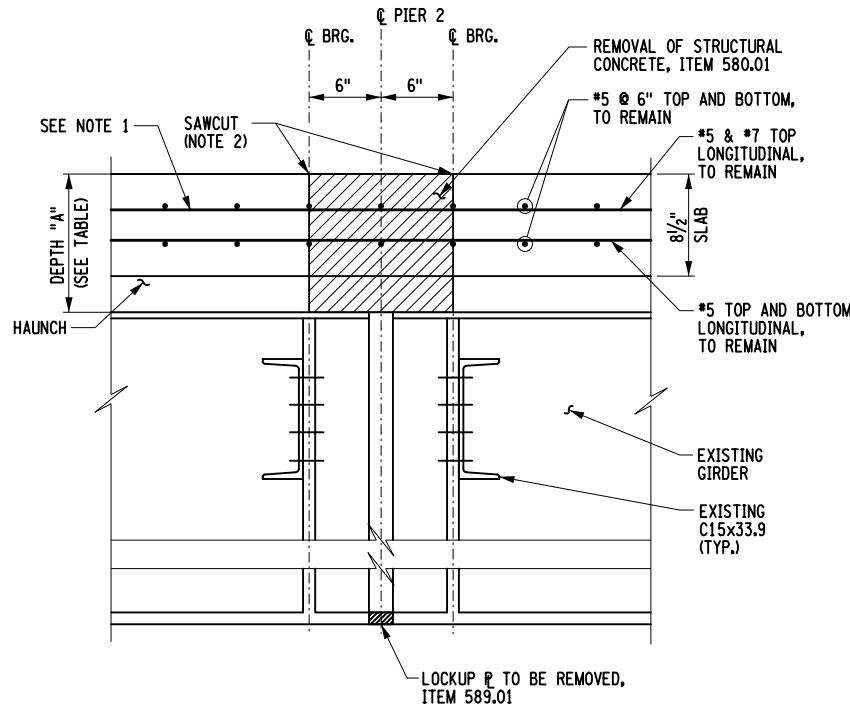
TYPICAL EXISTING
JOINT @ CURB
SCALE: NONE



EXISTING SECTION OF DECK
AT PIERS 1 & 3
SCALE: NONE



EXISTING SECTION
AT ABUTMENTS
SCALE: NONE



EXISTING SECTION OF DECK
AT PIER 2
SCALE: NONE

LEGEND

REMOVAL OF DECK SLAB, AND ALL MISCELLANEOUS FEATURES OF EXISTING JOINT SYSTEM, ITEM 580.01

NOTES:

- ALL EXISTING REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. COST INCLUDED UNDER ITEM 580.01.
- SAWCUT DEPTH SHALL BE TO 3/4" BELOW TOP SURFACE OF STRUCTURAL SLAB. COST INCLUDED UNDER ITEM 580.01.

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON:
10/07/2026
SIGNATURE:
STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
EXISTING
JOINT REPLACEMENT DETAILS

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST2-4

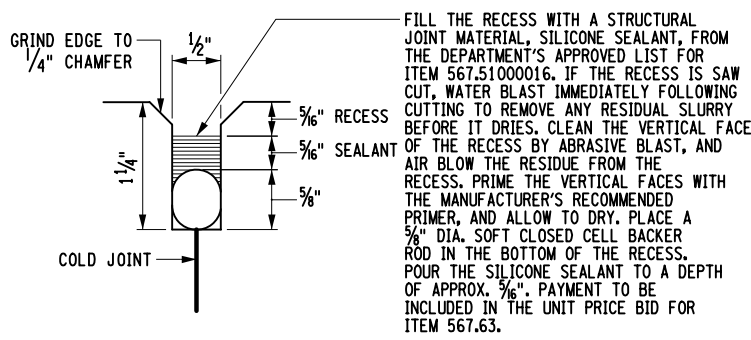
CHECKED BY: J. ADAMCZAK
F. CUOCCIO
J. LANDRY
N. PATTERSON
DESIGNED BY: J. ADAMCZAK

PIERS 1 & 3:

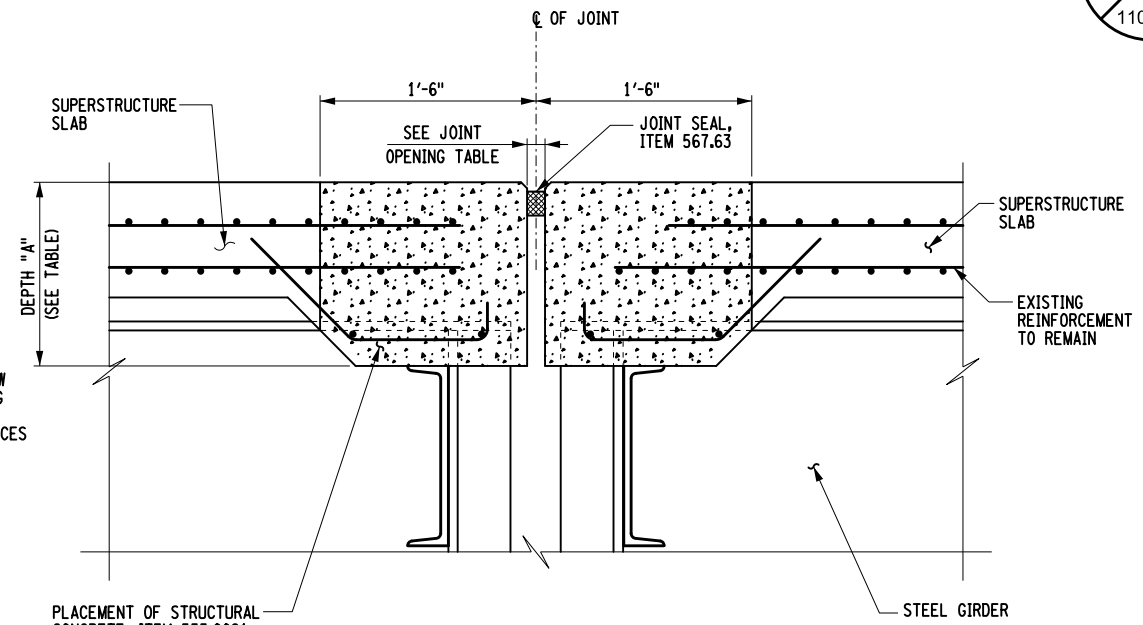
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/2
35	2 3/8
40	2 3/8
45	2 1/4
50	2 1/4
55	2 1/4
60	2 1/8
65	2 1/8
70	2
75	2
80	1 7/8
85	1 7/8
90	1 7/8
95	1 3/4
100	1 3/4
105	1 5/8
110	1 5/8

NOTES:
MIN. OPENING (IN.) = 1.625
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 3
TOTAL MOVEMENT (IN.) = 1.375

JOINT REPLACEMENT (ITEM 555.0021) TABLE				
LOCATION	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	"A" APPROXIMATE DEPTH (FT)	VOLUME OF PLACEMENT (CY)
Begin Abt Joint	33.08	1.00	0.42	0.51
Pier 1 Joint	33.08	2.83	1.25	4.33
Pier 2 Joint	33.08	1.00	1.00	1.23
Pier 3 Joint	33.08	2.83	1.25	4.33
End Abt Joint	33.08	1.00	0.42	0.51
TOTAL VOLUME OF PLACEMENT OF CONCRETE, ITEM 555.0021 (CY):				10.91



JOINT RECESS DETAIL
SCALE: NONE

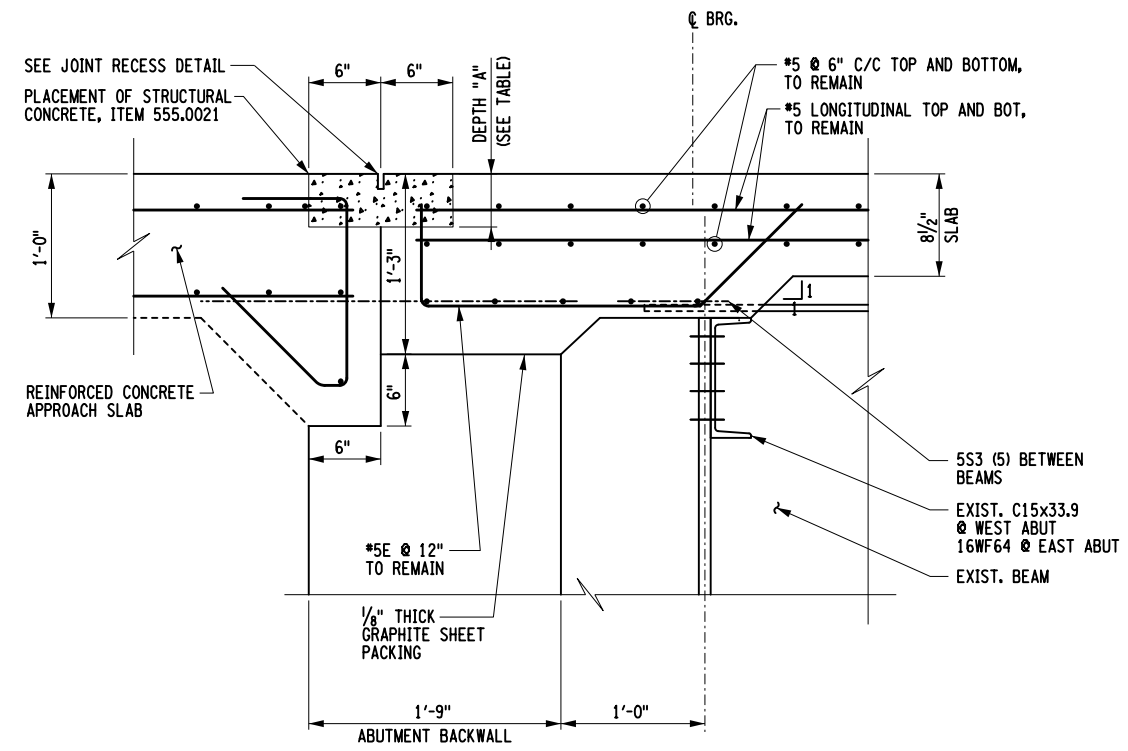


TYPICAL PROPOSED ARMORLESS
EXPANSION JOINT SECTION
AT PIERS 1 & 3
SCALE: NONE

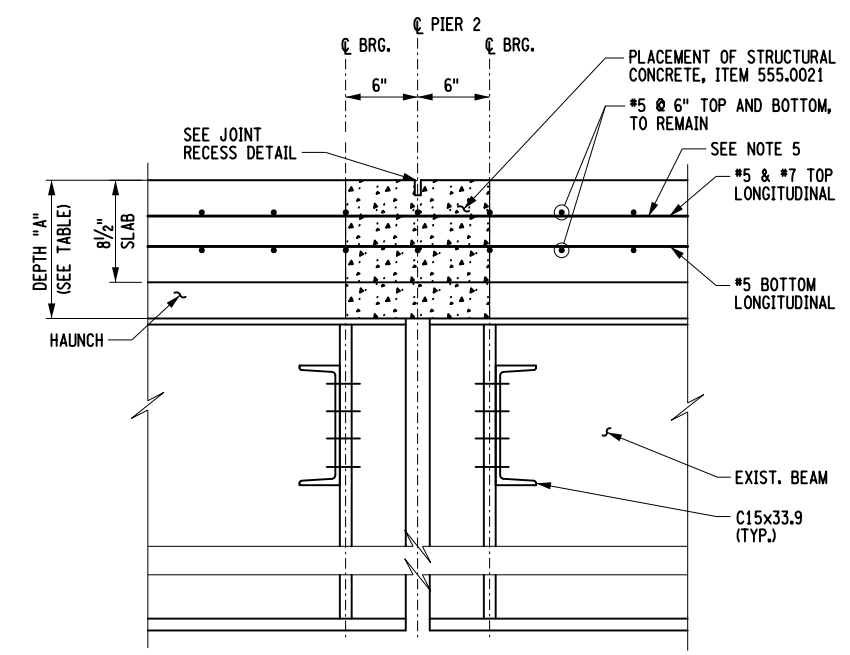
LEGEND

 REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 555.0021

- NOTES:**
1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLE PROVIDED ON THIS DRAWING.
 2. THE CONTRACTOR SHALL SUPPLY A JOINT SEAL WITH AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS "MIN. SEAL WIDTH" IN THE TABLE ABOVE. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURES COMPRESSION LIMITS AT THE "MINIMUM OPENING" NOTED IN THE TABLE.
 3. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES, (OR) THE TEMPERATURE OF THE SIDE OF A PRESTRESSED BEAM NOT DIRECTLY IN SUNLIGHT. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.
 4. ALL HEADER REINFORCEMENT SHALL HAVE A 2" MINIMUM COVER.
 5. ALL EXISTING EWINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. COST INCLUDED IN ITEM 580.01. EXISTING REINFORCEMENT IN NEED OF REPLACEMENT WILL BE PAID UNDER ITEM 556.0202.
 6. SAWCUT DEPTH SHALL BE TO 3/4" BELOW TOP SURFACE OF STRUCTURAL SLAB.



PROPOSED SECTION
AT ABUTMENTS
SCALE: NONE



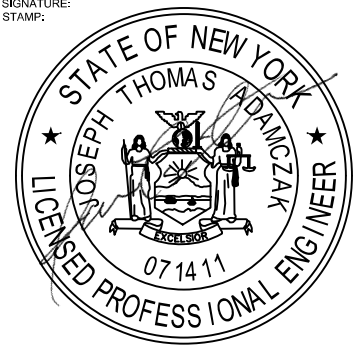
PROPOSED SECTION OF DECK
AT PIER 2
SCALE: NONE

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
10/07/2026

SIGNATURE:
STAMP:



EXPIRATION: 05/31/27

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23

LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
PROPOSED JOINT REPLACEMENT DETAILS

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST2-5

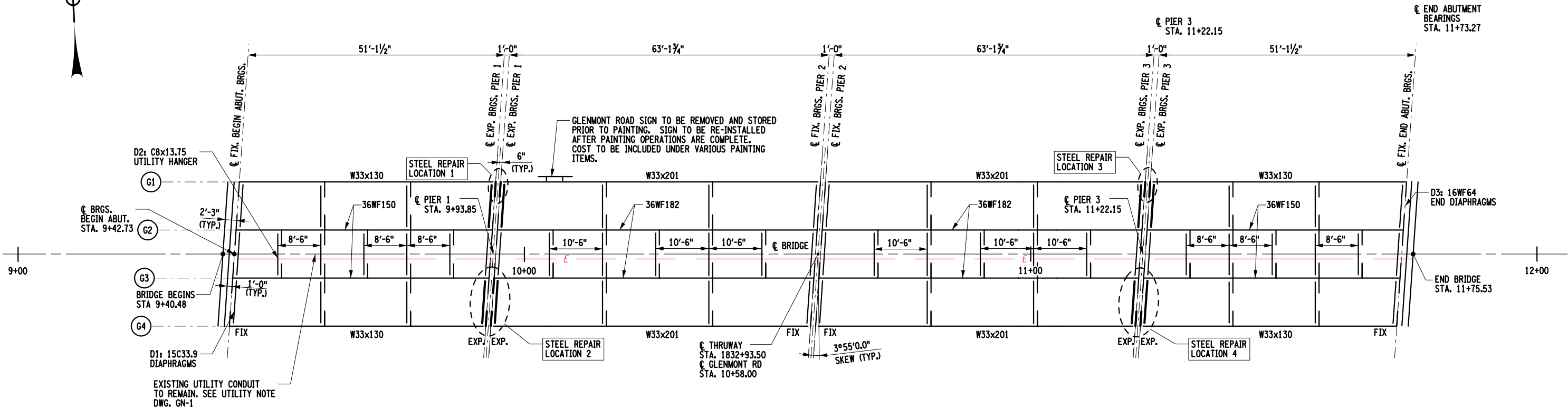
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



STEEL FRAMING PLAN
SCALE: 1"=20'

REFERENCE NOTES:

1. FOR STEEL REPAIR DETAILS, SEE DWG. NO. ST2-7 THROUGH ST2-12.

NOTES:

1. ALL STRUCTURAL STEEL TO BE PAINTED, TO BE PAID FOR UNDER ITEM 573.010001

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: ST2-6
	TITLE OF DRAWING STEEL FRAMING PLAN	

CHECKED BY: J. ADAMCZAK

F. CIUCCIO

DRAFTED BY:

J. LANDRY

CHECKED BY:

N. PATTERSON

DESIGNED BY: J. ADAMCZAK

STEEL REPAIR NOTES:

THESE NOTES ARE PROVIDED FOR GENERAL INFORMATION AND ARE INTENDED TO SUPPLEMENT OTHER NOTES FOUND WITHIN THESE CONTRACT DOCUMENTS. THESE NOTES SHALL NOT SUPERSEDE OR MODIFY NOTES, DETAILS, DIMENSIONS, OR REQUIREMENTS SHOWN ELSEWHERE IN THESE CONTRACT DOCUMENTS. IN THE EVENT OF A DISCREPANCY, THE MORE RESTRICTIVE REQUIREMENT SHALL GOVERN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

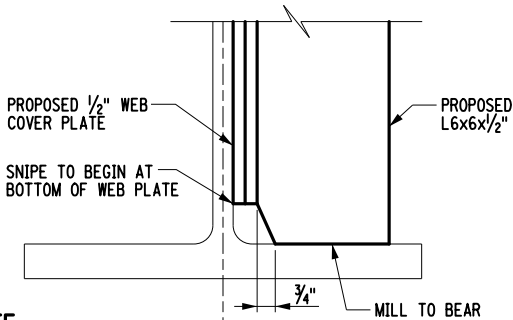
- THESE DRAWINGS WERE PREPARED FROM AVAILABLE RECORD DRAWINGS AS WELL AS INFORMATION PROVIDED IN THE 2025 INSPECTION REPORT. THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING SHOP DRAWINGS. PRIOR TO REMOVAL OF EXISTING DIAPHRAGMS, CONTRACTOR SHALL MEASURE EXISTING DIAPHRAGM CONNECTIONS AND LOCATIONS TO VERIFY PROPER FIT OF NEW STEEL PIECES TO MATCH FIELD CONDITIONS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND REPAIR PROCEDURES, IN ACCORDANCE WITH THE NYSDOT STEEL CONSTRUCTION MANUAL (SCM), TO THE ENGINEER FOR APPROVAL FOR ALL STRUCTURAL STEEL ITEMS.
- ALL STEEL REPAIRS SHALL BE COMPLETED DURING THE RESPECTIVE STAGE THAT DECK AND JOINT WORK IS BEING COMPLETED.
- DRILLED HOLES SHALL BE CLEANED OF ALL BURRS AND OTHER EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF NEW BOLTS.
- ALL NEW BOLTED CONNECTIONS OF STRUCTURAL STEEL ELEMENTS SHALL USE 7/8" DIA. ASTM A325 TYPE 1 HIGH-STRENGTH BOLTS. ALL NEW HOLES SHALL BE 15/16". ALL NEW WASHERS SHALL BE ASTM F436. ALL NEW NUTS SHALL BE ASTM A563 GRADE D.
- ALL NEW STRUCTURAL STEEL ANGLES SHALL CONFORM TO ASTM A709 WITH Fy = 50 KSI.
- ALL NEW STEEL PLATES SHALL CONFORM TO A709 WITH Fy = 50 KSI.
- ALL FABRICATION AND WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
- THE CONTRACTOR SHALL TAKE CARE AND USE ALL NECESSARY PRECAUTIONS DURING RIVET AND STEEL REMOVAL TO PREVENT DAMAGE TO EXISTING STEEL MEMBERS THAT ARE TO REMAIN.
- PRIOR TO ANY REMOVAL WORK, THE CONTRACTOR SHALL MARK THE LIMITS OF EACH REPAIR PLATE TO CLEARLY IDENTIFY THE AREA OF REMOVAL. ONLY THE RIVETS/BOLTS ASSOCIATED WITH THE SPECIFIC REPAIR PLATE BEING INSTALLED SHALL BE REMOVED.
- REMOVAL OF STEEL CONNECTION PLATES AND STIFFENERS MAY BE ACCOMPLISHED BY FLAME CUTTING. FLAME CUTS SHALL BE TO WITHIN 1/8" OF THE EXISTING STEEL THAT IS TO REMAIN. ALL FLAME-CUT EDGES SHALL BE GROUND SMOOTH AND FREE OF SLAG, GOUGES, AND OTHER IRREGULARITIES PRIOR TO INSTALLATION OF NEW STEEL. ALL WELD REMOVAL AREAS SHALL BE MAGNETIC PARTICLE TESTED (MT) PER THE SCM. CONTRACTOR SHALL NOT FLAME CUT OR OTHERWISE MODIFY EXISTING STEEL OUTSIDE OF THE LIMITS SHOWN IN THE CONTRACT DOCUMENTS WITHOUT APPROVAL OF THE ENGINEER.
- ALL NEW STRUCTURAL STEEL FOR THE REPAIRS, INCLUDING ANGLES, PLATES, SHIMS, IF REQUIRED, AND FILLERS SHALL BE PAID FOR UNDER ITEM 564.510002.
- REMOVAL OF EXISTING RIVETS, DRILLING NEW HOLES IN EXISTING STEEL, AND INSTALLING NEW HIGH-STRENGTH BOLTS SHALL BE PAID FOR UNDER ITEM 564.510002.
- ANY NEW REPAIR PLATE INSTALLED OVER AN EXISTING STEEL ELEMENT EXHIBITING DETEIORATION, PITTING, OR OTHER IRREGULAR SURFACE SHALL HAVE ALL RESULTING VOIDS BETWEEN THE EXISTING AND NEW STEEL FILLED WITH AN APPROVED TWO-COMPONENT, 100% SOLIDS EPOXY REPAIR COMPOUND SUITABLE FOR APPLICATION TO STEEL AND FOR EXPOSURE TO DAMP, WET, AND SPLASH-ZONE CONDITIONS. APPROVED EPOXY COMPOUND SHALL BE INSTALLED PER MANUFACTURER REQUIREMENTS. THE COST OF PREPARATION WORK AND PLACEMENT OF COMPOUND SHALL BE INCLUDED UNDER ITEM 564.510002.
- PRIOR TO INSTALLING THE REPAIR ANGLES AND PLATES, REMOVE ALL VISIBLE DIRT, GREASE, OIL, RUST, LOOSE SCALE, PAINT, AND OTHER FOREIGN MATERIAL FROM THE SURFACES.
- WEB COVER PLATES AND CONNECTION ANGLES FOR EACH LOCATIONS SHALL BE MATCH-DRILLED IN THE FABRICATION SHOP.
- NEW BENT CONNECTION PLATES SHALL BE DRILLED IN THE FABRICATION SHOP.

STEEL PAINTING NOTES:

- THE STRUCTURAL STEEL FOR THIS BRIDGE SHALL BE CLEANED AND REPAINTED. IN GENERAL, THIS INCLUDES ALL GIRDERS, DIAPHRAGMS, CONNECTIONS, AND BEARINGS OR AS OTHERWISE NOTED IN THE PLANS. IT IS ANTICIPATED THAT A SIGNIFICANT PORTION OF THE STRUCTURAL STEEL WILL REQUIRE NEAR WHITE METAL BLAST CLEANING IN ACCORDANCE WITH THE NYS STANDARD SPECIFICATION ITEM 573 - STRUCTURAL STEEL PAINTING: FIELD APPLIED TOTAL REMOVAL.
- THE NEW FINISH COLOR SHALL CONFORM TO STANDARD SPECIFICATION 708-05. FINISH COAT COLOR SHALL BE "SAGE GREEN" (MUNSELL 7.5 GY 5/4). VIEWING SHALL BE DONE UNDER NORTHERN STANDARD DAYLIGHT. THERE IS 11,360 SQUARE FEET OF PAINTED STRUCTURAL STEEL ON THIS BRIDGE.
- PAINTING OPERATIONS SHALL BE COMPLETED AFTER REQUIRED STEEL REPAIRS HAVE BEEN MADE. NEW GALVANIZED STEEL SIGN STRUCTURE SHALL NOT BE PAINTED.
- THE COST OF ALL CLEANING, SURFACE PREPARATION, PRIMING, AND PAINTING FOR ALL NEW AND EXISTING STEEL SHALL BE PAID FOR UNDER 573.010001-STRUCTURAL STEEL PAINTING: FIELD APPLIED.
- PAINT SYSTEM MUST BE FROM NYSDOT APPROVED LIST AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE MANUFACTURER'S CERTIFICATION STATING THAT THE PAINT MEETS THESE REQUIREMENTS.
- EXCEPT WHERE NOTED, PRIOR TO SHIPPING TO THE FIELD, ALL NEW OR REPLACEMENT 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 FIELD APPLIED INTERMEDIATE COAT, AND FINISH COAT.
- ALL COATINGS SHALL BE APPLIED IN A NEAT, WORKMANLIKE MANNER. COATINGS SHALL BE APPLIED UNIFORMLY AND SHALL BE FREE OF RUNS, SAGS, DRIPS, OR OTHER DEFECTS.

LEAD PAINT NOTES:

- CLASS A CONTAINMENT SHALL BE PROVIDED FOR PAINT REMOVAL AND CLEANING OPERATIONS FOR THE ENTIRE BRIDGE STRUCTURE WITHIN THE LIMITS OF WORK. CONTAINMENT SHALL FULLY ENCLOSE THE WORK AREA AND SHALL PREVENT THE RELEASE OF PAINT, DUST, DEBRIS, AND OTHER MATERIALS GENERATED BY THE WORK. THE COST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING THE CONTAINMENT SYSTEM SHALL BE INCLUDED IN ITEM 570.150001.
- LIMITS AND METHODS OF REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.01D AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF ANY PAINT REMOVAL OR PAINT STRIPPING REQUIRED SHALL BE INCLUDED IN UNIT PRICE OF THE APPLICABLE STEEL REPAIR ITEM. PAINT WASTE SHALL BE COLLECTED FOLLOWING THE REQUIREMENTS OF THE ENVIRONMENTAL GROUND PROTECTION, AND PAINT WASTE SHALL BE DISPOSED OF FOLLOWING THE REQUIREMENTS OF SECTION 571-DISPOSAL OF PAINT REMOVAL WASTE.



NOTE:

SNIPE WIDTH SHALL ALSO BE 3/4" IN LOCATIONS WITHOUT WEB COVER PLATE.

SNIPE DETAIL
(BOTTOM SHOWN, TOP SIMILAR)
SCALE: NONE

SUGGESTED SEQUENCE OF CONSTRUCTION FOR STEEL REPAIRS:

- REMOVE EXISTING BOLTS OR RIVETS FROM DIAPHRAGM AND REMOVE AND STORE DIAPHRAGM.
- REMOVE EXISTING CONNECTION PLATES FROM EXISTING GIRDERS. ALL WELD REMOVAL AREAS SHALL BE MAGNETIC PARTICLE TESTED (MT) PER THE NYS STEEL CONSTRUCTION MANUAL (SCM).
- PREPARE EXISTING WEB SURFACE TO RECEIVE NEW WEB COVER PLATE.
- PLACE ONE WEB COVER PLATE ON EXISTING GIRDER TO BE USED AS A TEMPLATE. ALIGN PLATE WITH THE END OF GIRDER AND CENTER ON THE WEB AS SHOWN IN THE PLAN DETAILS. WEB COVER PLATE SHALL BE TEMPORARILY SECURED IN THE FINAL POSITION PRIOR TO FIELD DRILLING OF WEB CONNECTION HOLES. TEMPORARY ATTACHMENT MAY BE ACCOMPLISHED USING CLAMPS, OR OTHER APPROVED MEANS SUFFICIENT TO MAINTAIN PROPER ALIGNMENT AND PREVENT MOVEMENT DURING DRILLING OPERATIONS.
- FIELD DRILL WEB CONNECTION HOLES THROUGH THE WEB COVER PLATE AND EXISTING GIRDER WEB.
- PLACE SECOND WEB COVER PLATE ON OPPOSITE SIDE OF GIRDER WEB AND INSTALL REQUIRED CONNECTION ANGLES.
- INSTALL BOLTS AND COMPLETELY SECURE WEB COVER PLATES AND CONNECTION ANGLES.
- MEASURE DIAPHRAGM CONNECTION REQUIREMENTS TO VERIFY DIAPHRAGM MODIFICATION REQUIREMENTS.
- CUT EXISTING DIAPHRAGM AS REQUIRED.
- RE-INSTALL DIAPHRAGM USING THE EXISTING CONNECTION PLATE NOT REMOVED DURING REPAIR. PROVIDE THE MINIMUM NUMBER OF BOLTS REQUIRED TO HOLD THE DIAPHRAGM IN PROPER ALIGNMENT WITH THE REPAIRED CONNECTION.
- USE BENT CONNECTION PLATE AS TEMPLATE TO FIELD DRILL NEW CONNECTION ANGLE AND MODIFIED END OF DIAPHRAGM.
- FIELD DRILL CONNECTION HOLES THROUGH THE CONNECTION ANGLE AND MODIFIED END OF DIAPHRAGM.
- INSTALL BOLTS AND COMPLETELY SECURE CONNECTION PLATES AND DIAPHRAGM.
- PAINT ALL STEEL AND HARDWARE WITHIN THE REPAIR AREA AS SPECIFIED IN THE PAINTING NOTES.

ALTERED ON:	AFFIXED ON: 09/30/2026
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.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING STEEL REPAIR NOTES	DRAWING NUMBER: ST2-7

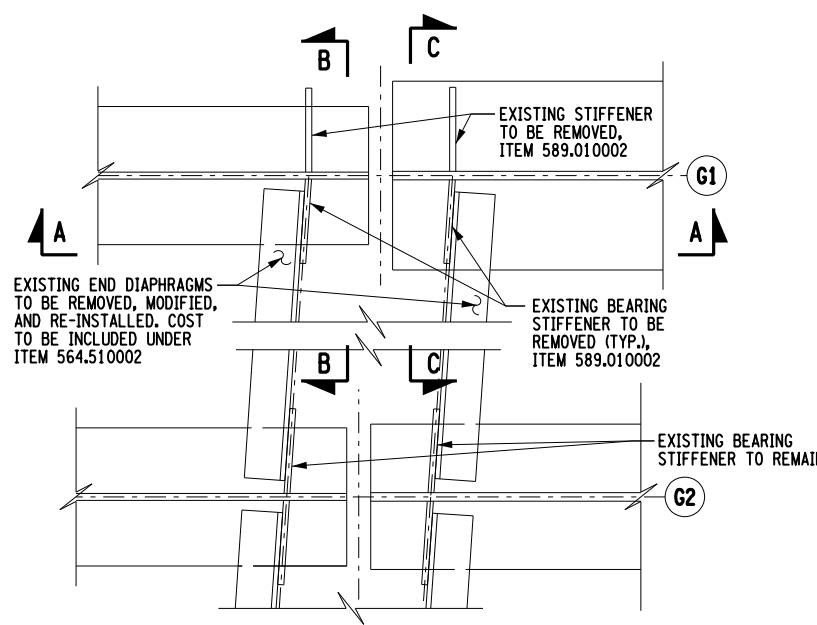
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

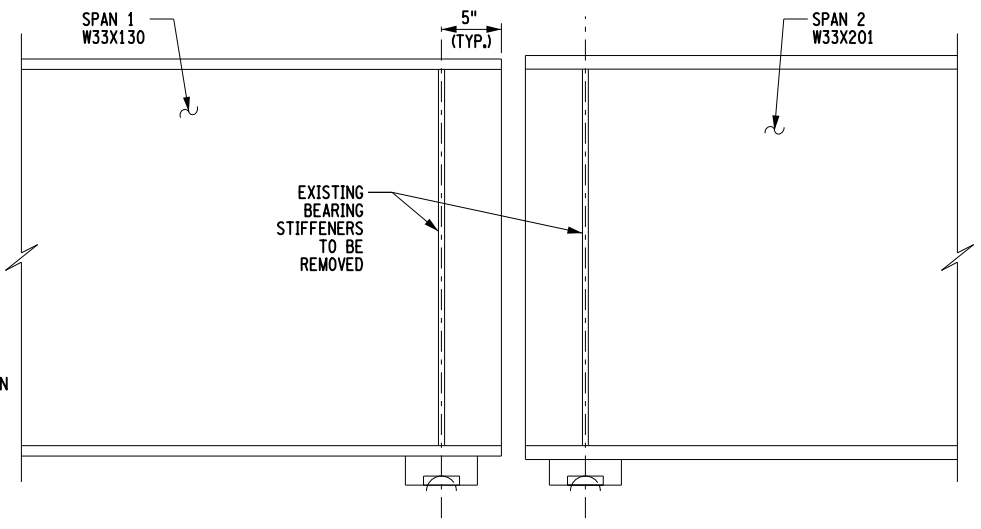
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

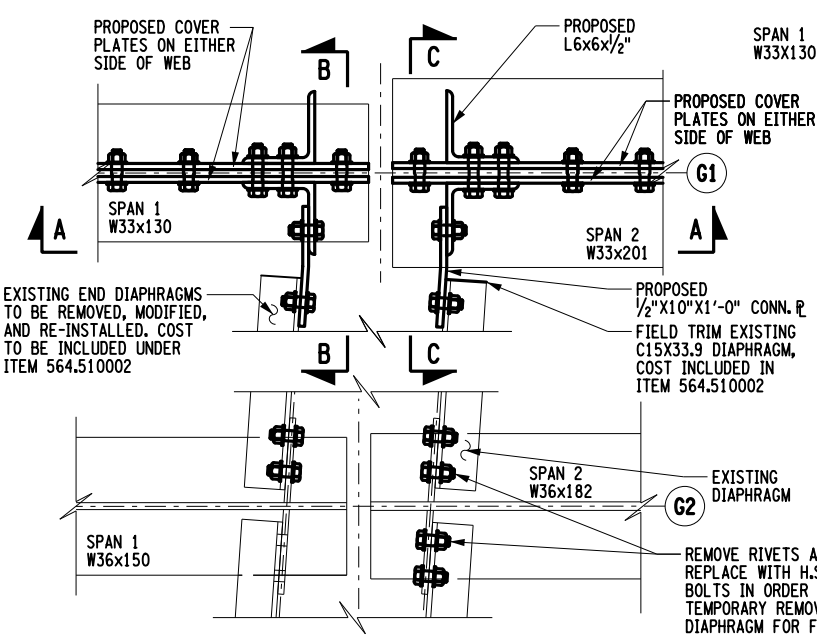
DESIGN SUPERVISOR: J. ADAMCZAK



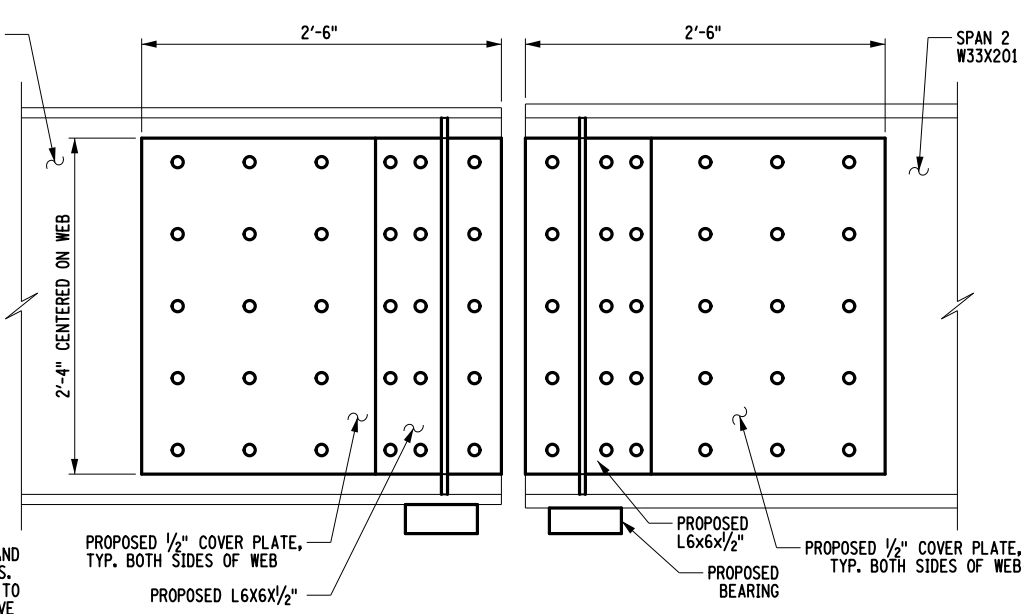
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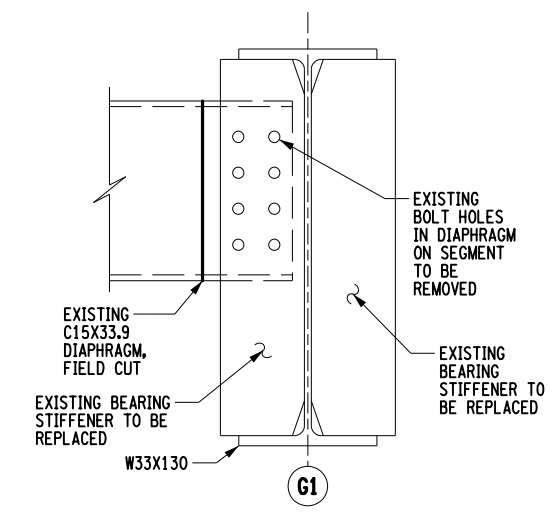
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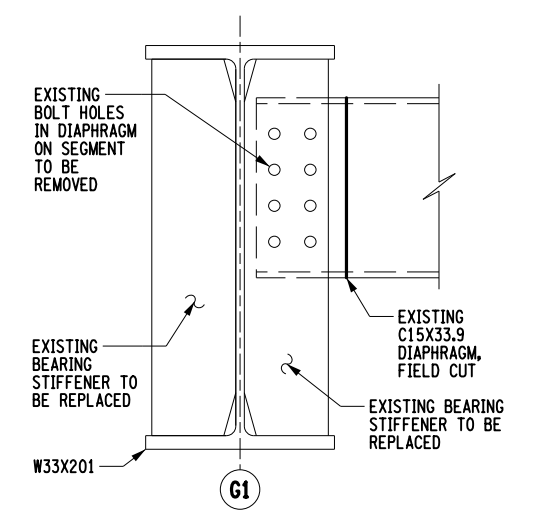
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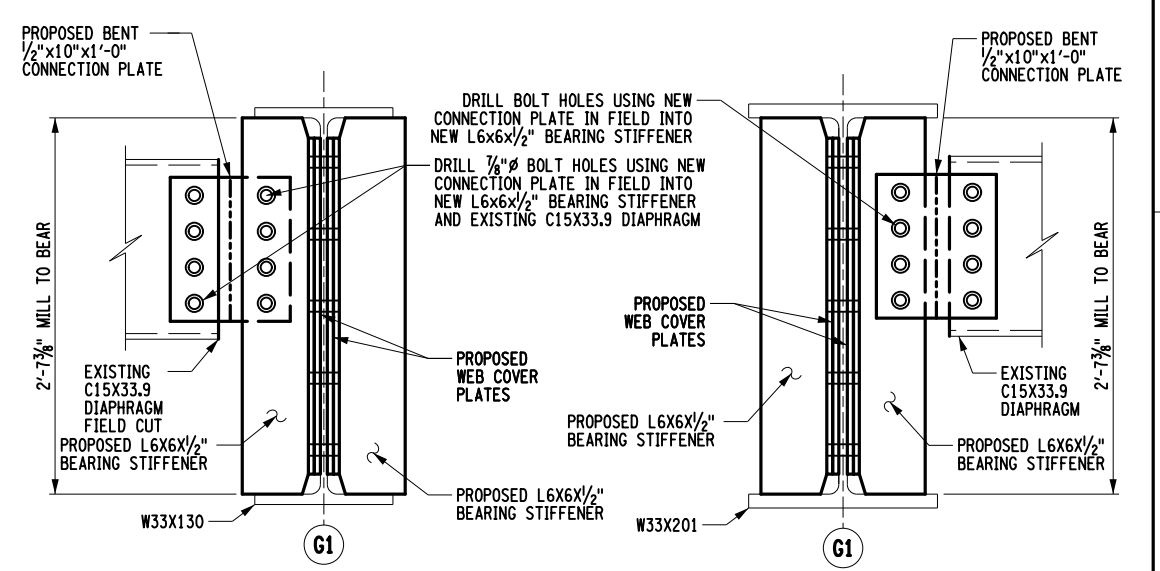
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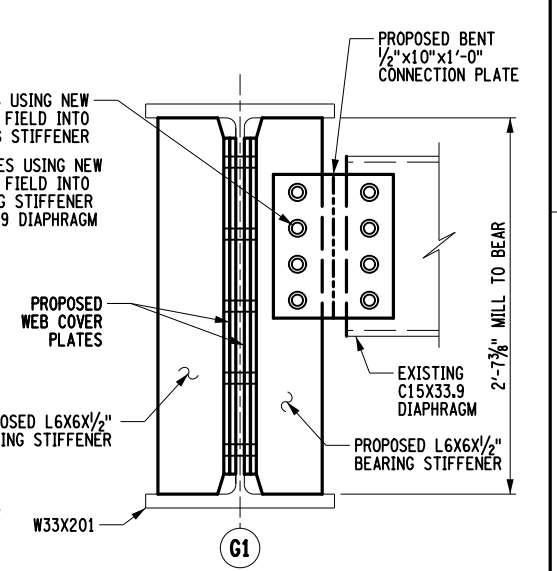
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SECTION C-C
EXISTING
SCALE: 3/4"=1'-0"



SECTION B-B
PROPOSED
SCALE: 3/4"=1'-0"



SECTION C-C
PROPOSED
SCALE: 3/4"=1'-0"

REFERENCE NOTES:

1. SEE DRAWING ST2-6 FOR REPAIR LOCATIONS.
2. SEE DRAWING ST2-12 FOR WEB COVER PLATE BOLT LAYOUT DETAILS.
3. SEE DRAWING ST2-7 FOR STEEL REPAIR NOTES.
4. EXISTING DIAPHRAGMS FIELD CUT SHALL HAVE ALL ENDS GROUND SMOOTH.
5. THE CONTRACTORS ATTENTION IS DRAWN TO THE GIRDER DEPTHS VARY BETWEEN FASCIA GIRDERS AND INTERIOR GIRDERS ON ALL SPANS FOR THIS STRUCTURE.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)

TITLE OF DRAWING
STEEL REPAIR DETAILS (1 OF 5)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-8

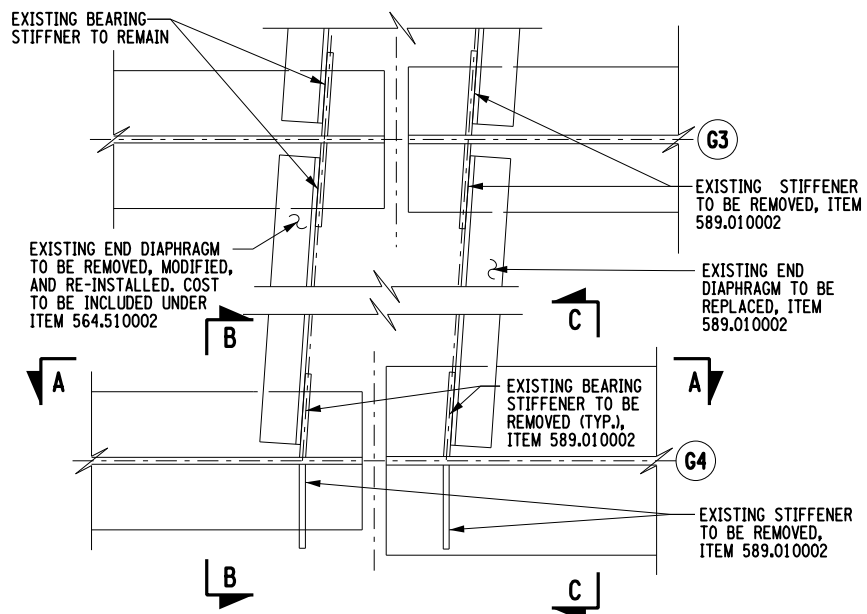
ALTERED ON:
09/30/2026

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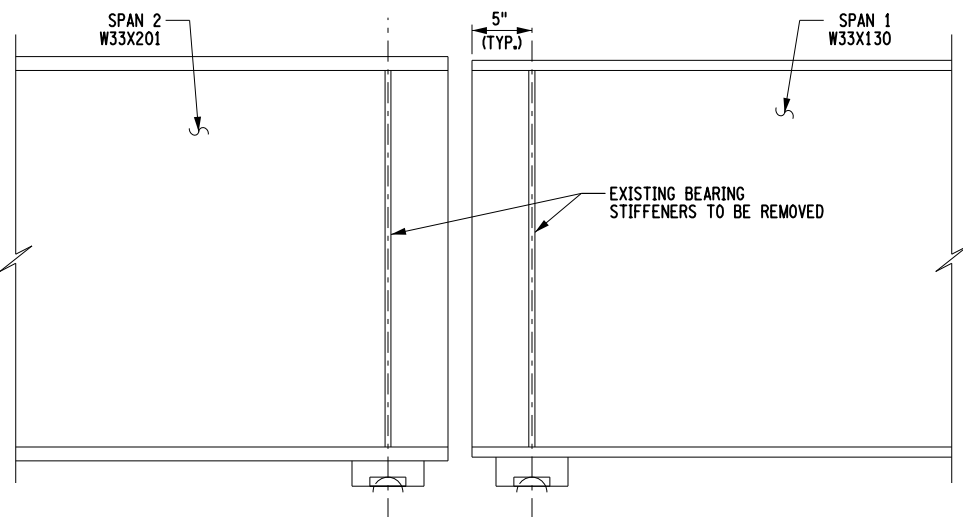
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09/30/2026

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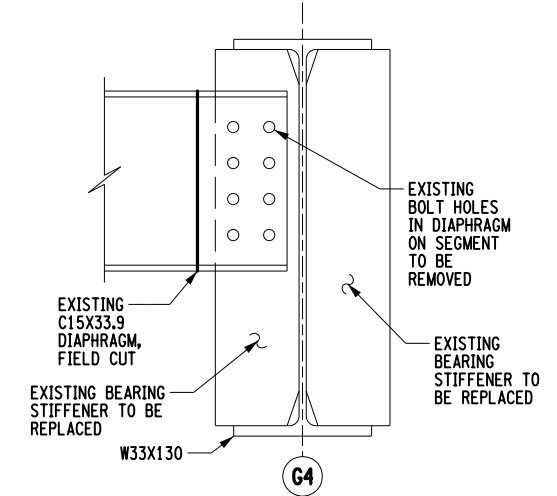
CHECKED BY: J. ADAMCZAK
DRAFTED BY: F. CUOCCIO
CHECKED BY: J. LANDRY
CHECKED BY: N. PATTERSON
DESIGNED BY: J. ADAMCZAK
DESIGN SUPERVISOR: J. ADAMCZAK



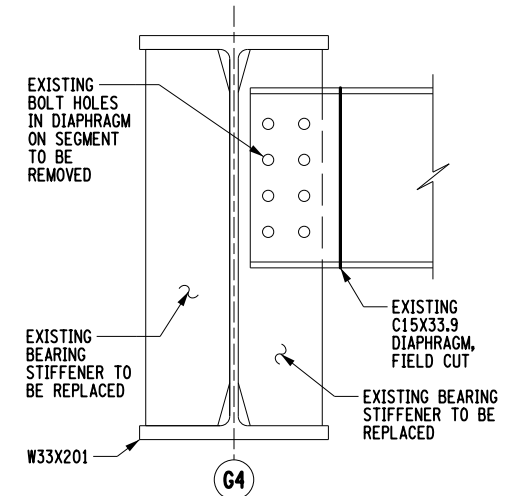
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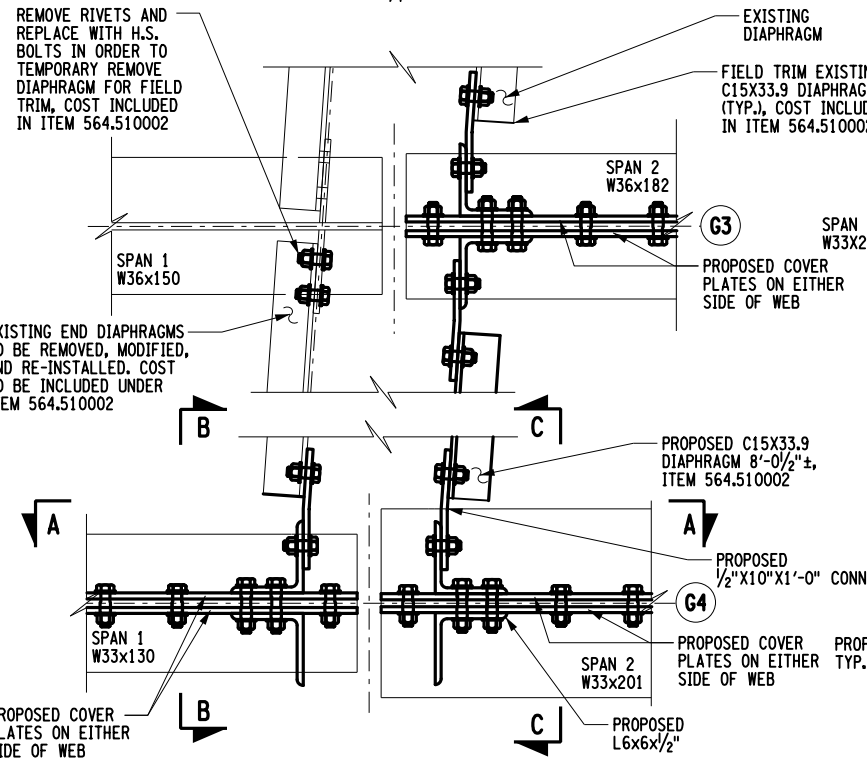
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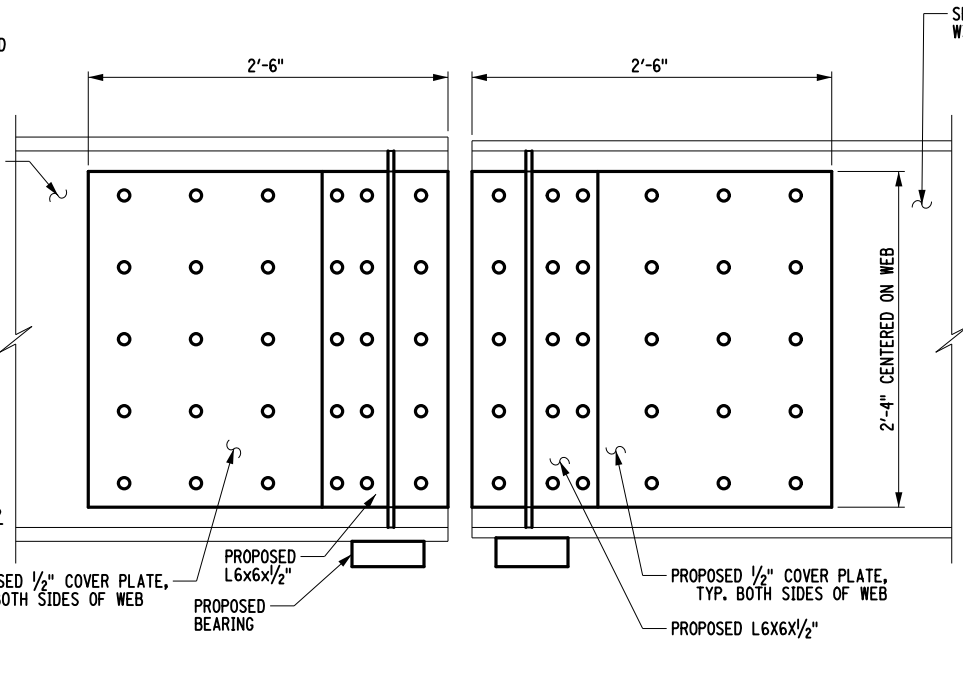
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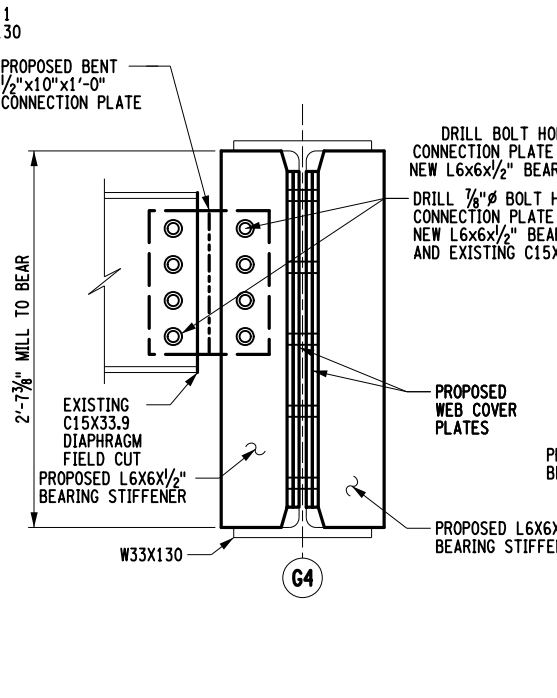
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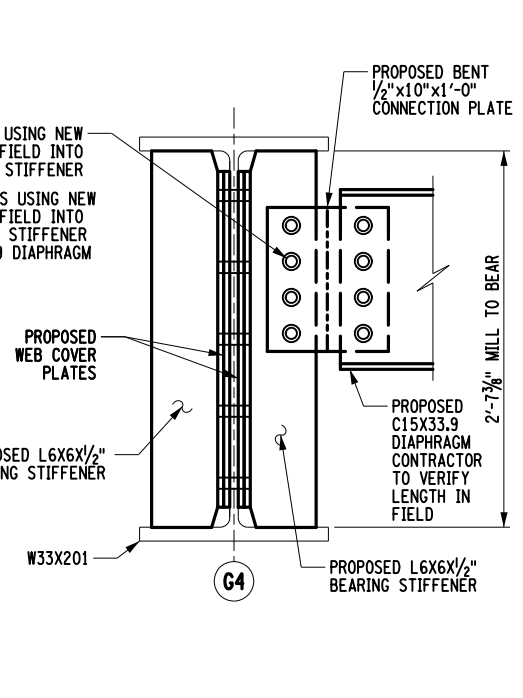
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ELEVATION A-A
PROPOSED
SCALE: 3/4"=1'-0"



SECTION B-B
PROPOSED
SCALE: 3/4"=1'-0"



SECTION C-C
PROPOSED
SCALE: 3/4"=1'-0"

REFERENCE NOTES:

1. SEE DRAWING ST2-6 FOR REPAIR LOCATIONS.
2. SEE DRAWING ST2-12 FOR WEB COVER PLATE BOLT LAYOUT DETAILS.
3. SEE DRAWING ST2-7 FOR STEEL REPAIR NOTES.
4. EXISTING DIAPHRAGMS FIELD CUT SHALL HAVE ALL ENDS GROUND SMOOTH.
5. THE CONTRACTORS ATTENTION IS DRAWN TO THE GIRDER DEPTHS VARY BETWEEN FASCIA GIRDERS AND INTERIOR GIRDERS ON ALL SPANS FOR THIS STRUCTURE.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

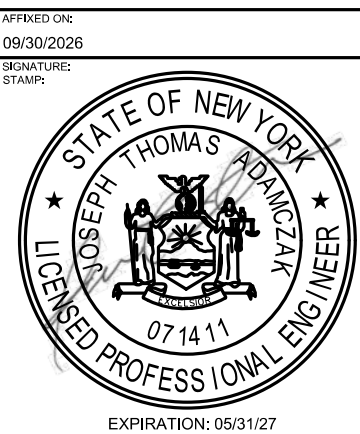
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(2 OF 5)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-9



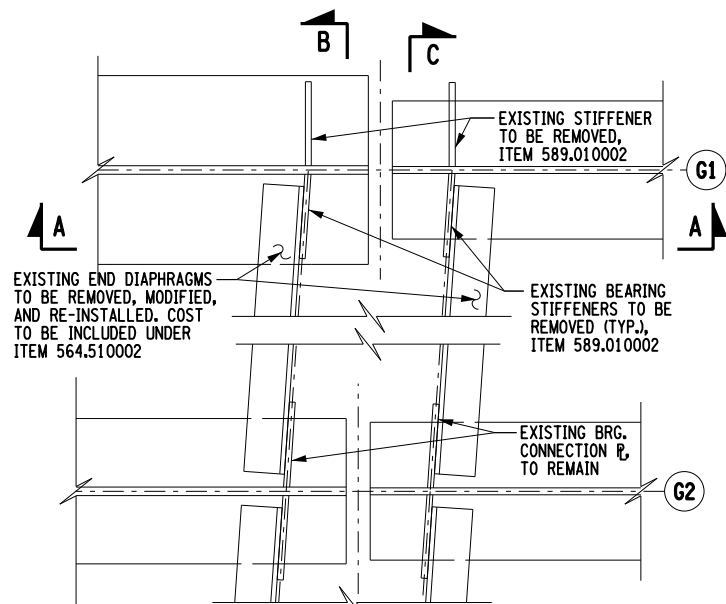
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

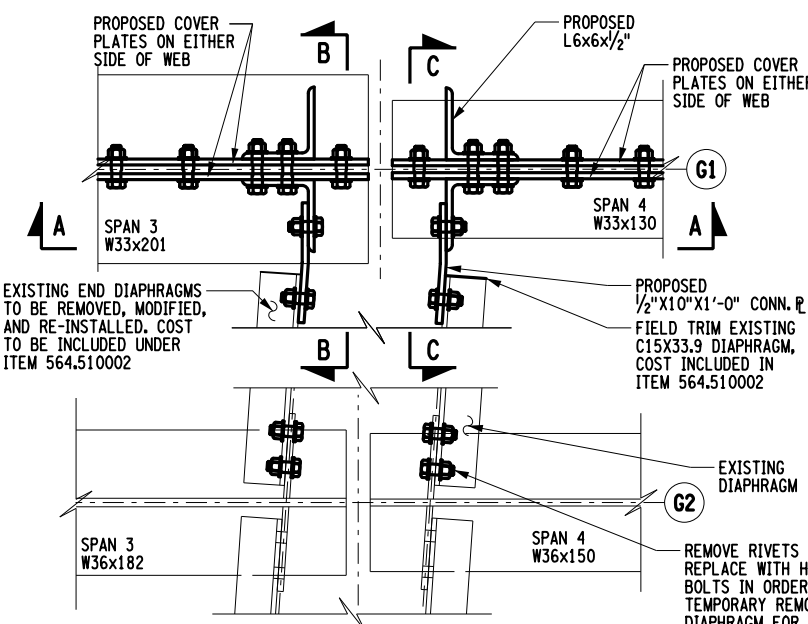
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

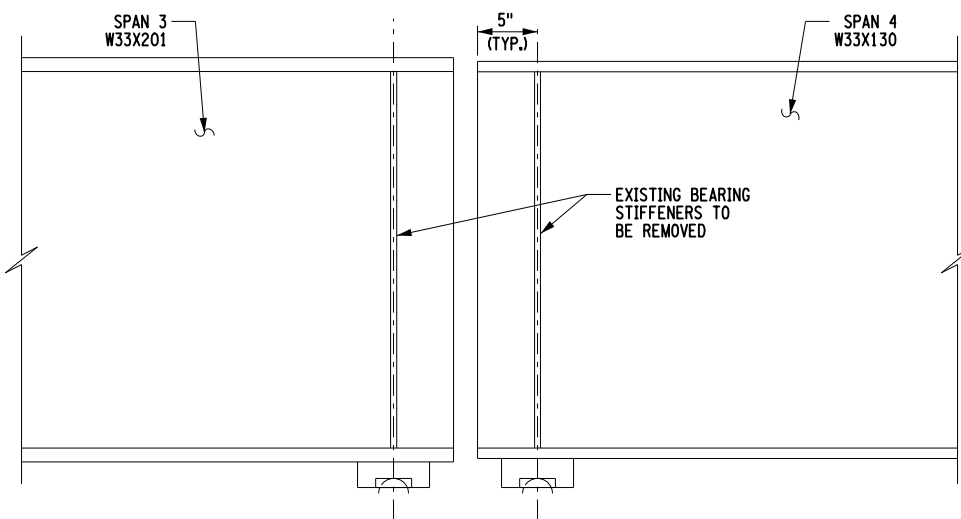
DESIGN SUPERVISOR: J. ADAMCZAK



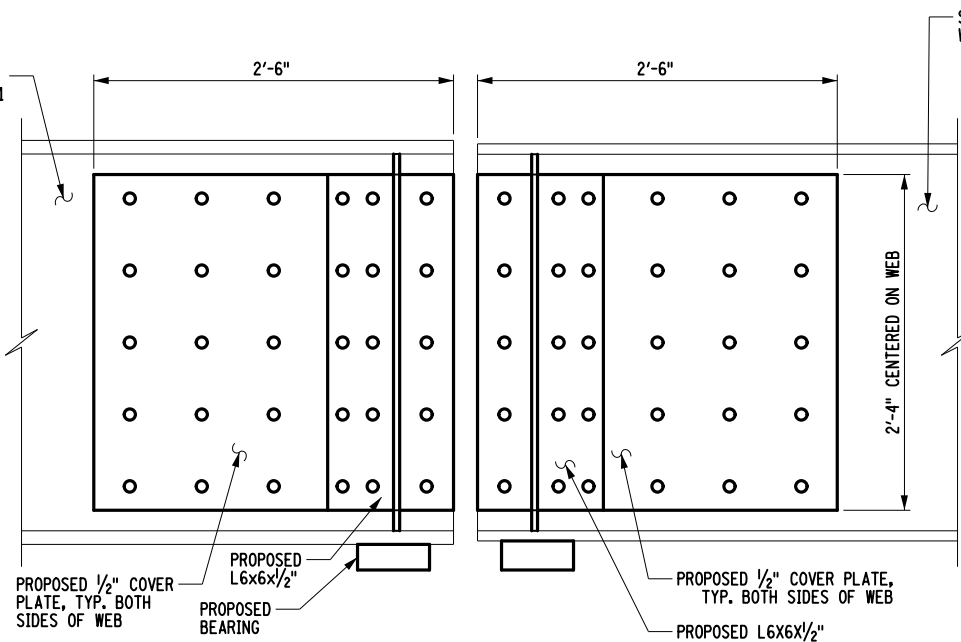
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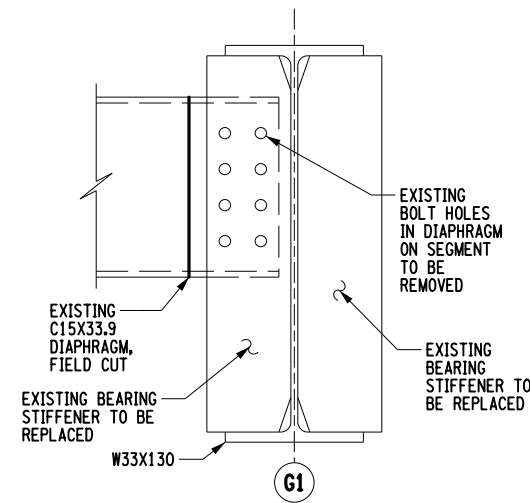
LOCATION 3: PIER 3, SPANS 3 & 4, G1 & G2
PROPOSED
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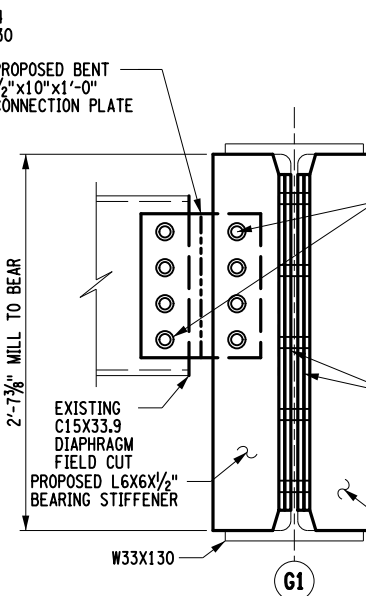
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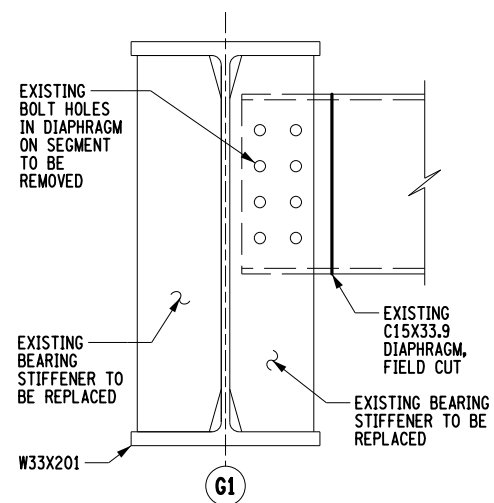
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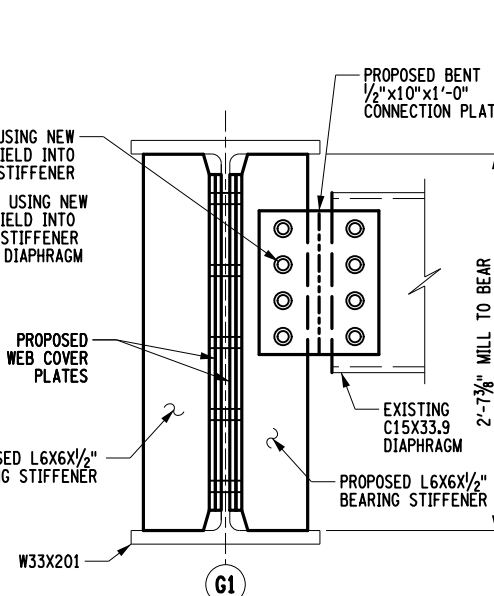
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SCALE: 3/4"=1'-0"



SECTION B-B
PROPOSED
SCALE: 3/4"=1'-0"



SECTION C-C
EXISTING
SCALE: 3/4"=1'-0"



SECTION C-C
PROPOSED
SCALE: 3/4"=1'-0"

REFERENCE NOTES:

1. SEE DRAWING ST2-6 FOR REPAIR LOCATIONS.
2. SEE DRAWING ST2-12 FOR WEB COVER PLATE BOLT LAYOUT DETAILS.
3. SEE DRAWING ST2-7 FOR STEEL REPAIR NOTES.
4. EXISTING DIAPHRAGMS FIELD CUT SHALL HAVE ALL ENDS GROUND SMOOTH.
5. THE CONTRACTORS ATTENTION IS DRAWN TO THE GIRDER DEPTHS VARY BETWEEN FASCIA GIRDERS AND INTERIOR GIRDERS ON ALL SPANS FOR THIS STRUCTURE.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

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80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

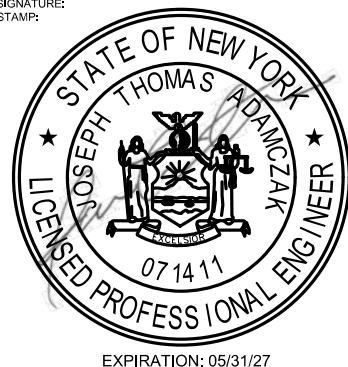
TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
STEEL REPAIR DETAILS
(3 OF 5)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-10

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON:
09/30/2026
SIGNATURE:
STAMP:



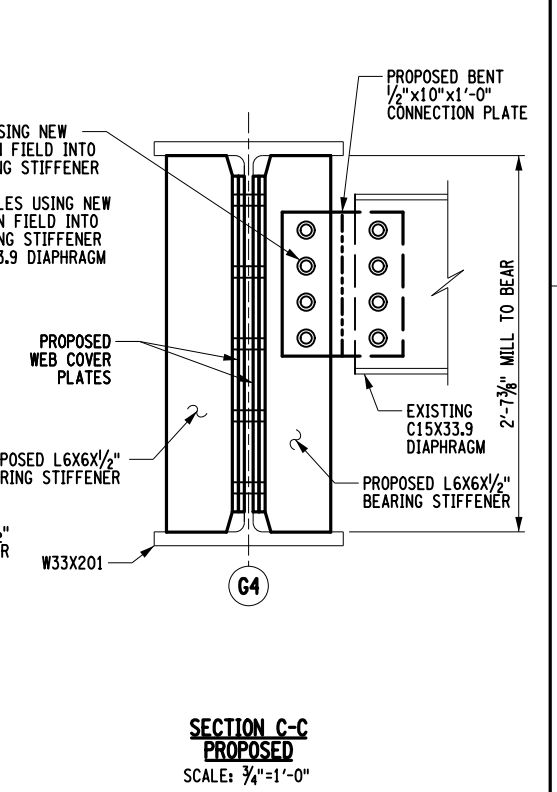
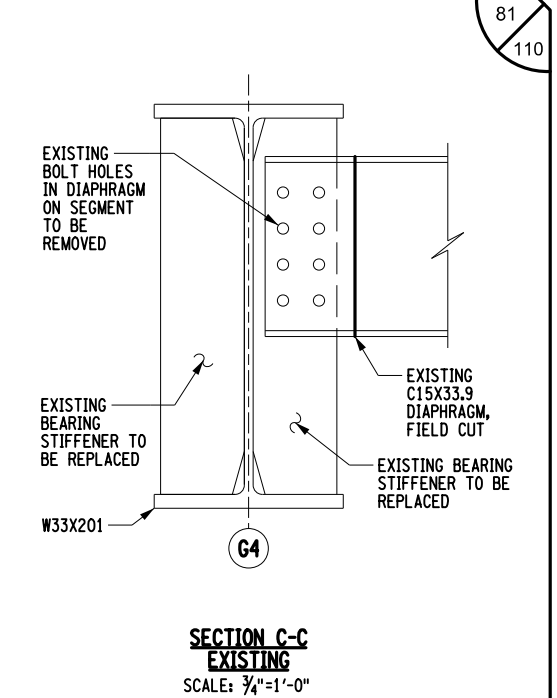
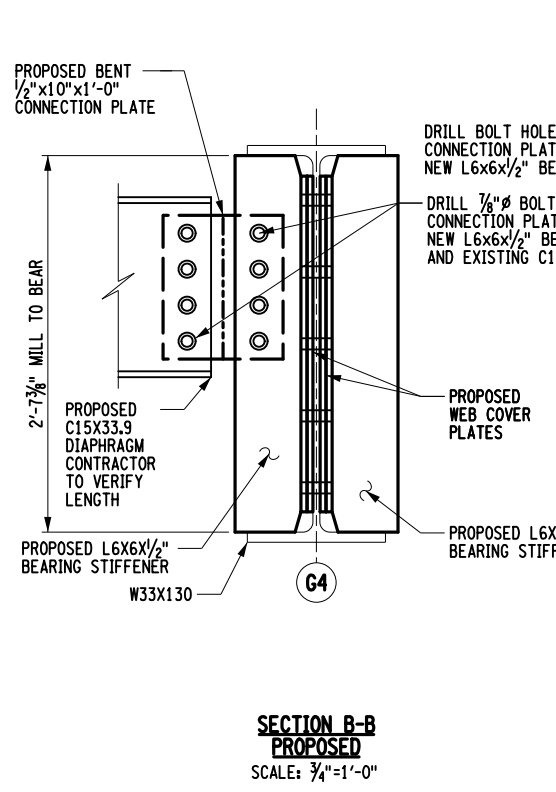
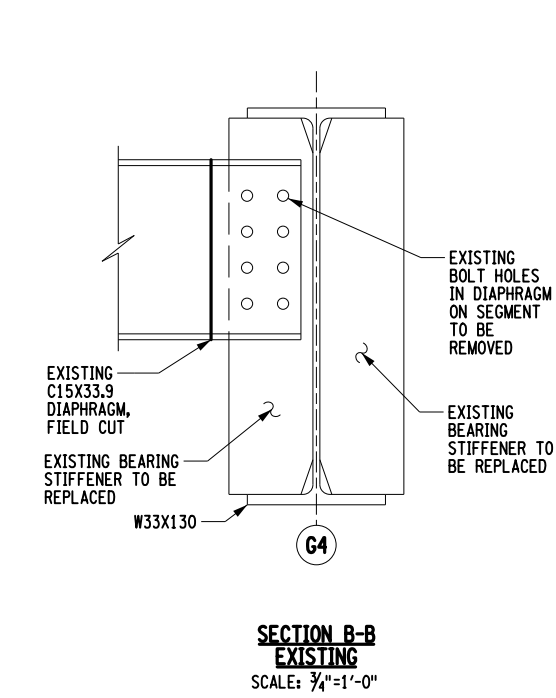
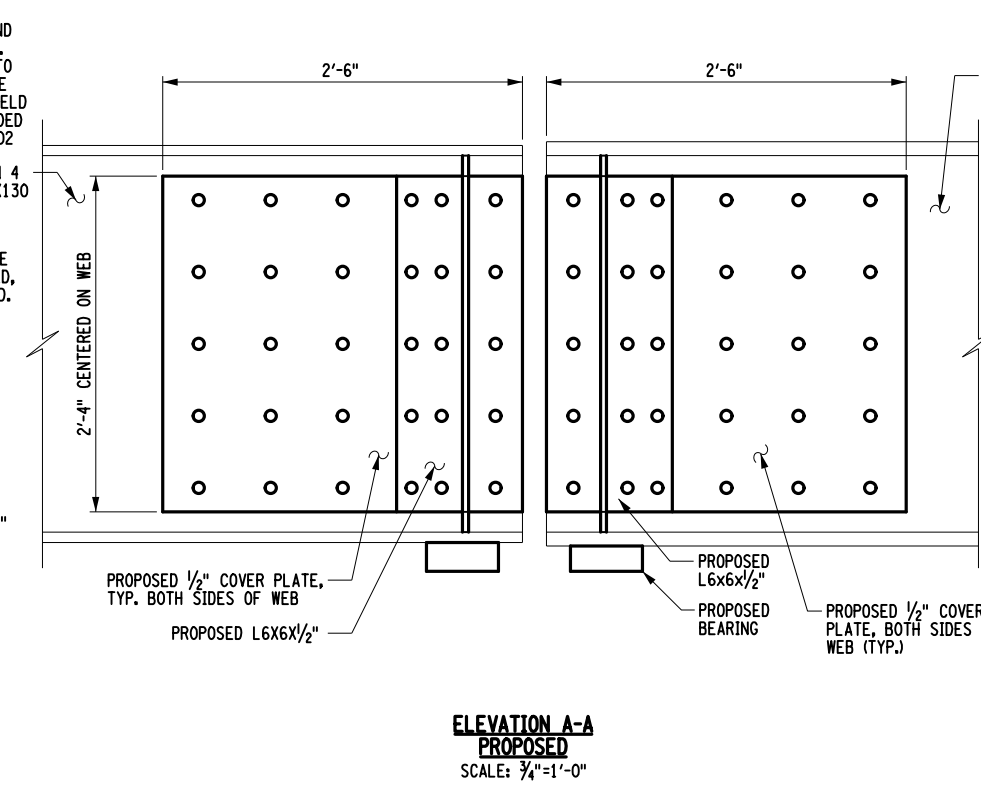
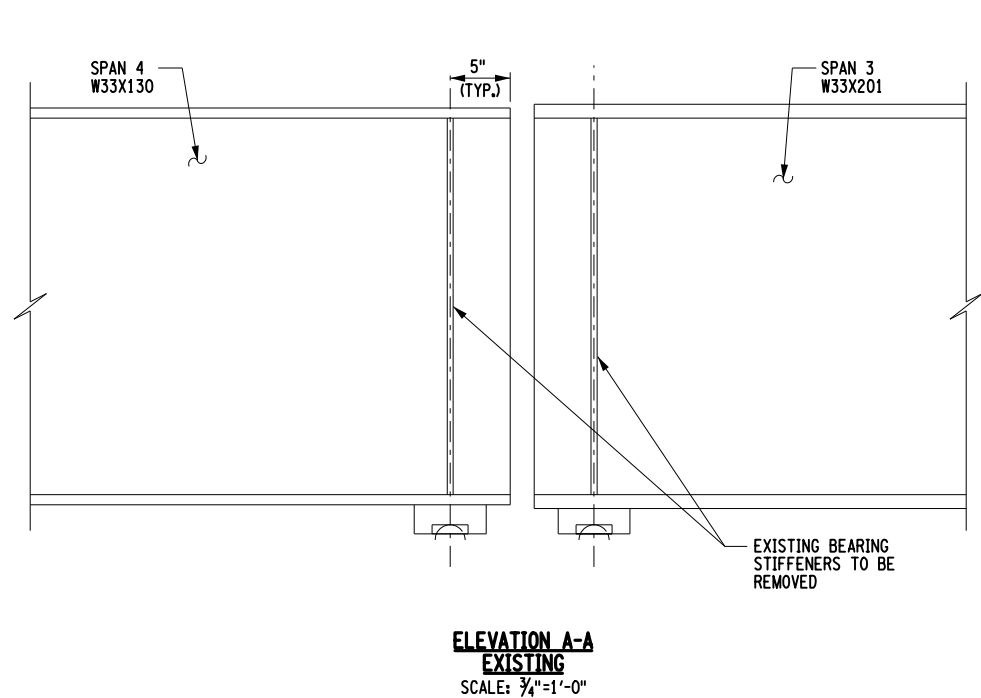
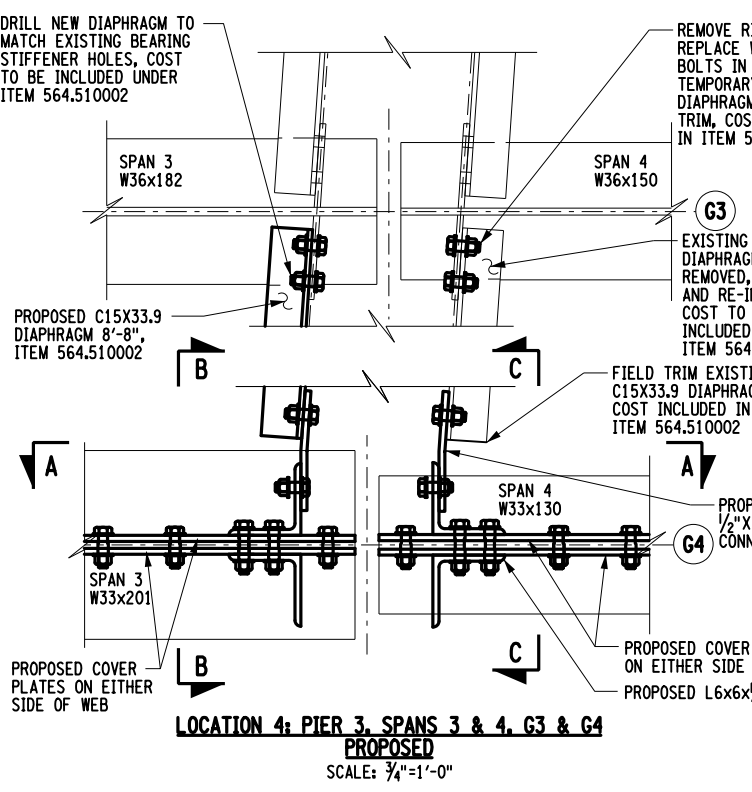
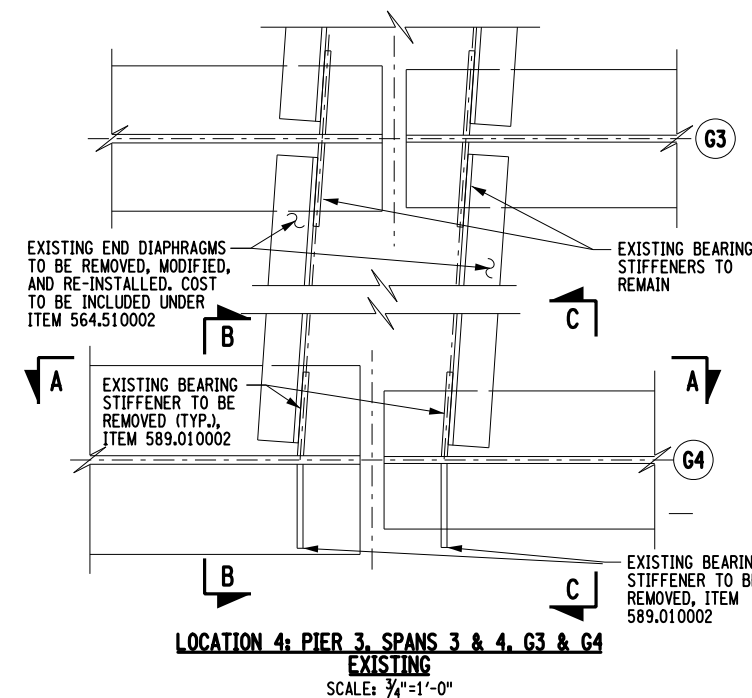
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



REFERENCE NOTES:

1. SEE DRAWING ST2-6 FOR REPAIR LOCATIONS.
2. SEE DRAWING ST2-12 FOR WEB COVER PLATE BOLT LAYOUT DETAILS.
3. SEE DRAWING ST2-7 FOR STEEL REPAIR NOTES.
4. EXISTING DIAPHRAGMS FIELD CUT SHALL HAVE ALL ENDS GROUND SMOOTH.
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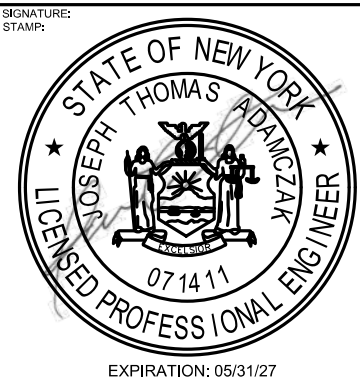
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)
TITLE OF DRAWING
STEEL REPAIR DETAILS
(4 OF 5)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-11



CHECKED BY: J. ADAMCZAK

F. CUOCCIO

DRAFTED BY:

J. LANDRY

CHECKED BY:

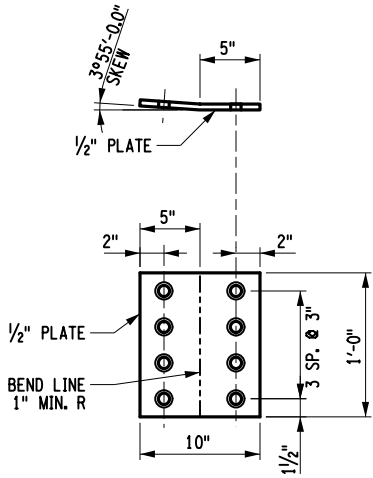
N. PATTERSON

DESIGNED BY:

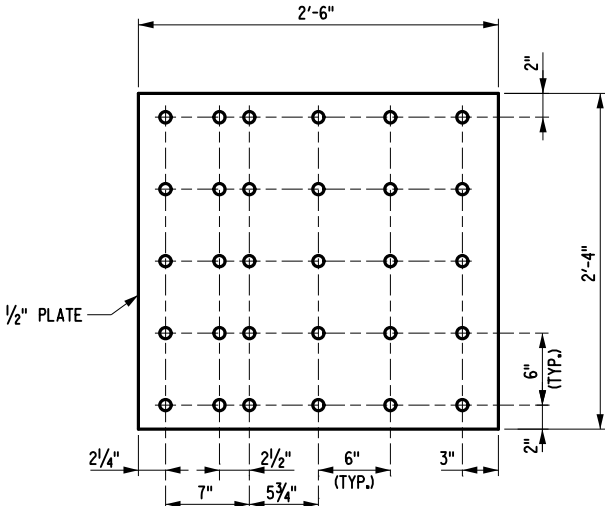
DESIGN SUPERVISOR: J. ADAMCZAK

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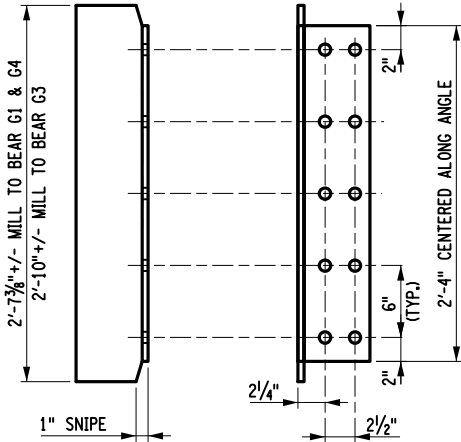
1. SEE DRAWING ST2-7 FOR STEEL REPAIR NOTES.



10" CONNECTION PLATE BOLT LAYOUT
LOCATIONS 1, 2, 3 AND 4
(TOTAL 10 ACROSS LOCATIONS)
SCALE: 3/4"=1'-0"



2'-6" WEB COVER PLATE BOLT LAYOUT
LOCATIONS 1, 2, 3, AND 4
(TOTAL 18 ACROSS LOCATIONS)
SCALE: 3/4"=1'-0"



L6X6X1/2" SHOP BOLT LAYOUT
LOCATIONS 1, 2, 3, AND 4
(TOTAL 16 FOR G1 & G4 LOCATIONS,
2 FOR G3 LOCATIONS)
SCALE: 3/4"=1'-0"

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING STEEL REPAIR DETAILS (5 OF 5)	DRAWING NUMBER: ST2-12

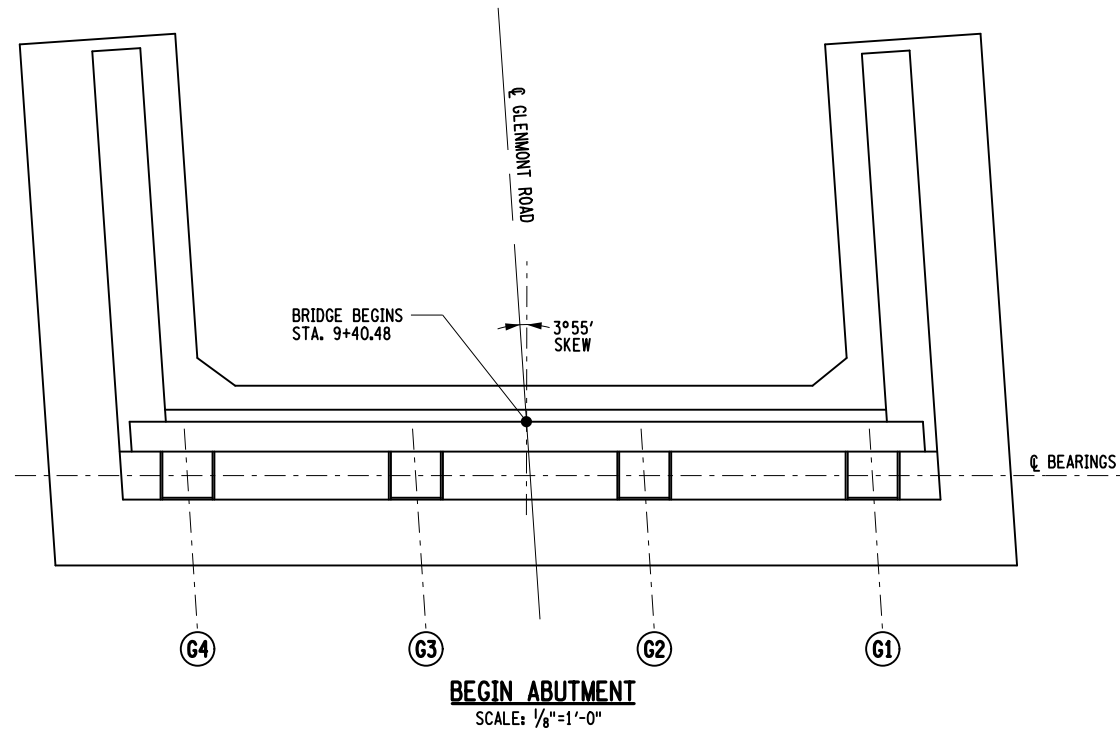
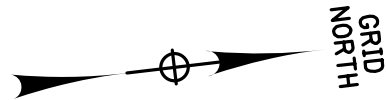
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



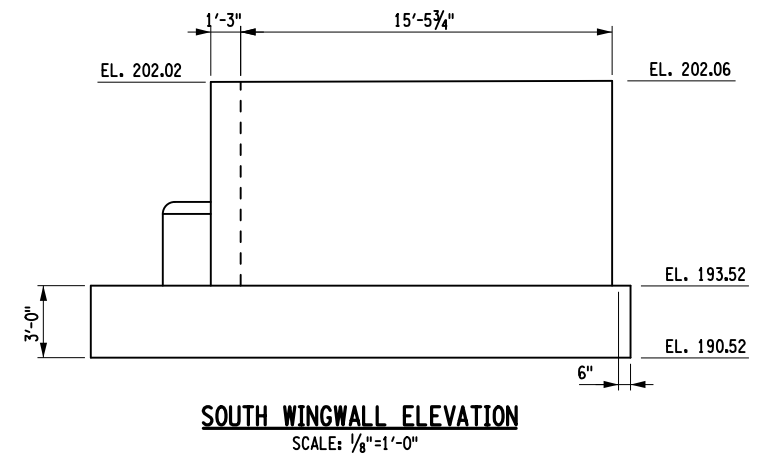
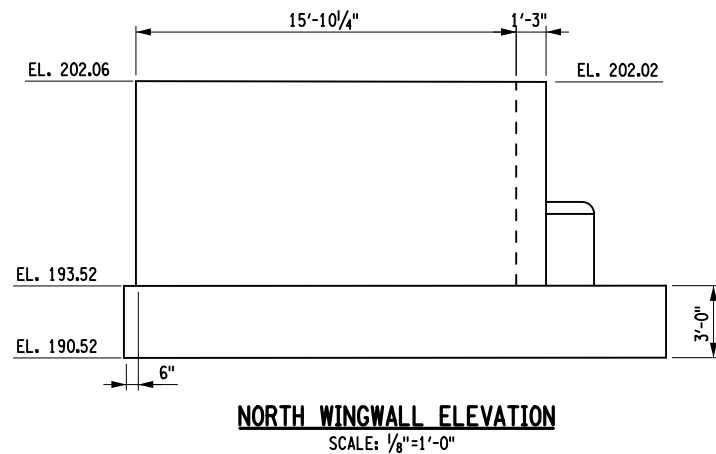
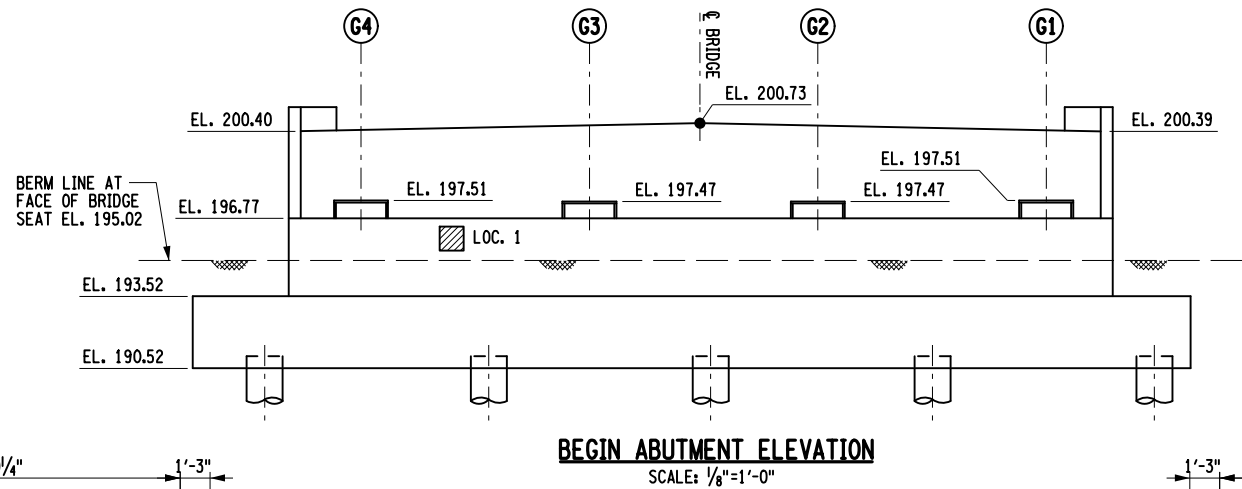
SUBSTRUCTURE REPAIRS TABLE - BEGIN ABUTMENT				
LOCATION	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
1	1.00	1.00	0.25	0.01
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.01

NOTES:

- ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 AND CONC-2.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

LEGEND

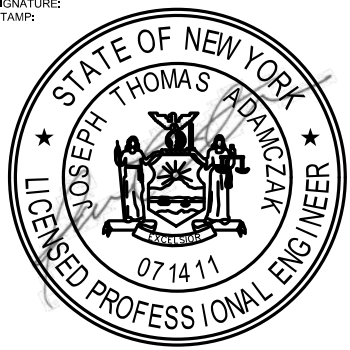
 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051



NORTH WINGWALL ELEVATION
SCALE: 1/8"=1'-0"

SOUTH WINGWALL ELEVATION
SCALE: 1/8"=1'-0"

ALTERED ON:	AFFIXED ON:
SIGNATURE:	SIGNATURE:
STAMP:	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.



Thruway Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
TITLE OF DRAWING SUBSTRUCTURE REPAIR BEGIN ABUTMENT	DRAWING NUMBER: ST2-13

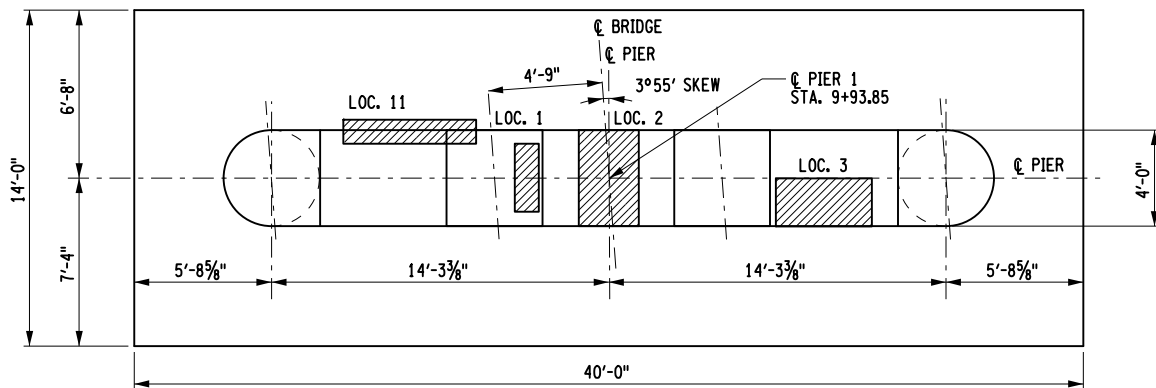
SUBSTRUCTURE REPAIRS TABLE - PIER 1				
LOCATION	APPROXIMATE WIDTH (ft)	APPROXIMATE HEIGHT (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
1	1.00	3.00	0.25	0.03
2	2.50	5.00	0.25	0.12
3	3.50	2.00	0.25	0.06
4	2.00	1.00	0.25	0.02
5	3.00	2.00	0.25	0.06
6	6.00	2.00	0.25	0.11
7	3.00	5.00	0.25	0.14
8	2.00	5.00	0.25	0.09
9	1.00	3.00	0.25	0.03
10	2.00	4.00	0.25	0.07
11	5.00	1.00	0.25	0.05
12	3.00	1.00	0.25	0.03
13	12.00	1.00	0.25	0.11
14	3.00	2.00	0.25	0.06
15	2.00	3.00	0.25	0.06
16	2.00	3.00	0.25	0.06
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				1.08

NOTES:

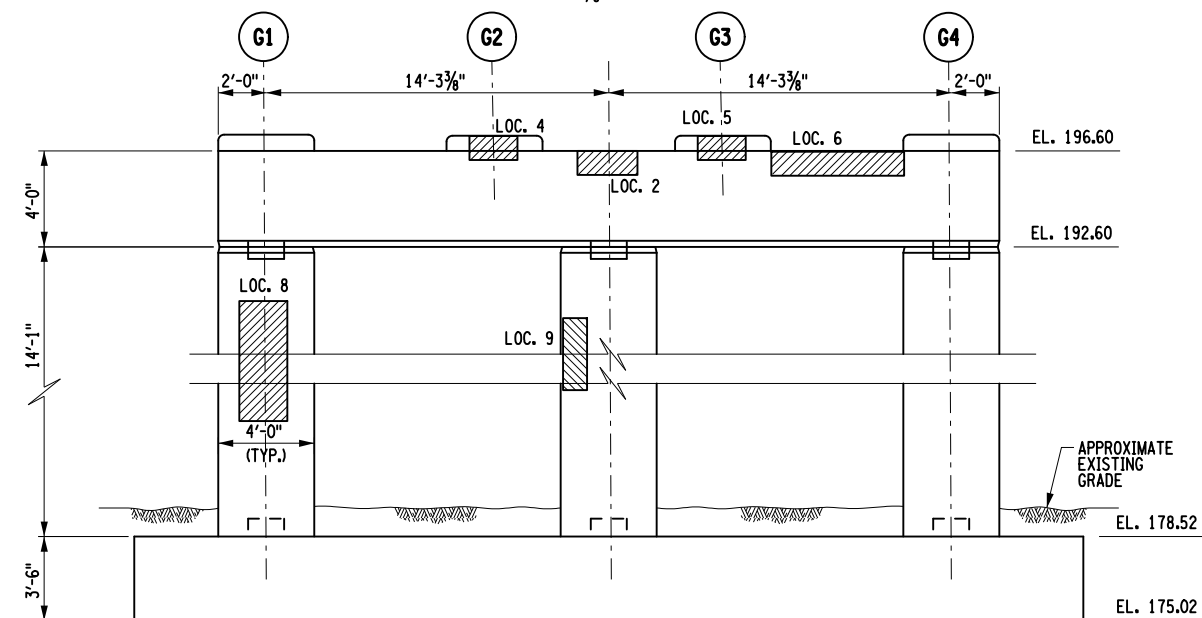
- ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 & CONC-2.
- WHERE REPAIR LOCATIONS ON CIRCULAR SURFACES ARE CONTINUOUS THROUGH THE PIER CENTERLINE, THEY WILL BE NOTED ON BOTH THE BEGIN FACE AND END FACE DRAWINGS.
- IF THERE ARE ANY REPAIR AREAS THAT EXTEND OVER HALF OF THE COLUMN'S PERIMETER, THE CONTRACTOR SHALL ONLY REPAIR 1/4 OF THE PERIMETER AT A TIME TO MINIMIZE THE AREA OF EXPOSED REBAR. IF MORE THAN 3/4 OF THE COLUMN'S PERIMETER IS IN NEED OF REPAIR, THEN THE CONTRACTOR MAY ELECT TO WORK ON TWO 1/4 QUADRANTS OF THE COLUMN AS LONG AS THE TWO 1/4 QUADRANTS ARE NOT ADJACENT TO ONE ANOTHER.
- WHEN COMPLETING REPAIRS, IF PEDESTAL REPAIR WORK IS REQUIRED, THE CONTRACTOR SHALL NOT EXPOSE MORE THAN 25% OF THE BEARING MASONRY PLATE AT ANY ONE TIME. IF BEARING ANCHOR BOLTS ARE EXPOSED DURING THE REPAIR WORK, THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS TO PREVENT MOVEMENT OF THE ANCHOR BOLTS UNTIL THE REPAIR WORK IS COMPLETED.
- MAJOR CRACKS THAT WERE OBSERVED DURING THE PREPARATION OF THESE CONTRACT DRAWINGS ARE SHOWN WITHIN THEIR ASSOCIATED REPAIR AREA. THESE CRACKS SHALL BE REPAIRED IN ACCORDANCE WITH THE "CONCRETE CRACK REPAIR" DETAILS SHOWN ON DWG. CONC-1.
- WHERE UNSOUND CONCRETE IS ENCOUNTERED AT OR BELOW THE EXISTING GRADE, THE CONTRACTOR SHALL REMOVE EARTH AS NECESSARY TO FULLY EXPOSE THE CONCRETE FOR SOUNDING, REMOVAL, AND REPAIR. EARTH REMOVAL REQUIRED TO COMPLETE THE CONCRETE REPAIR WORK SHALL BE PAID FOR UNDER ITEM 206.01 - STRUCTURE EXCAVATION.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

LEGEND

 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051

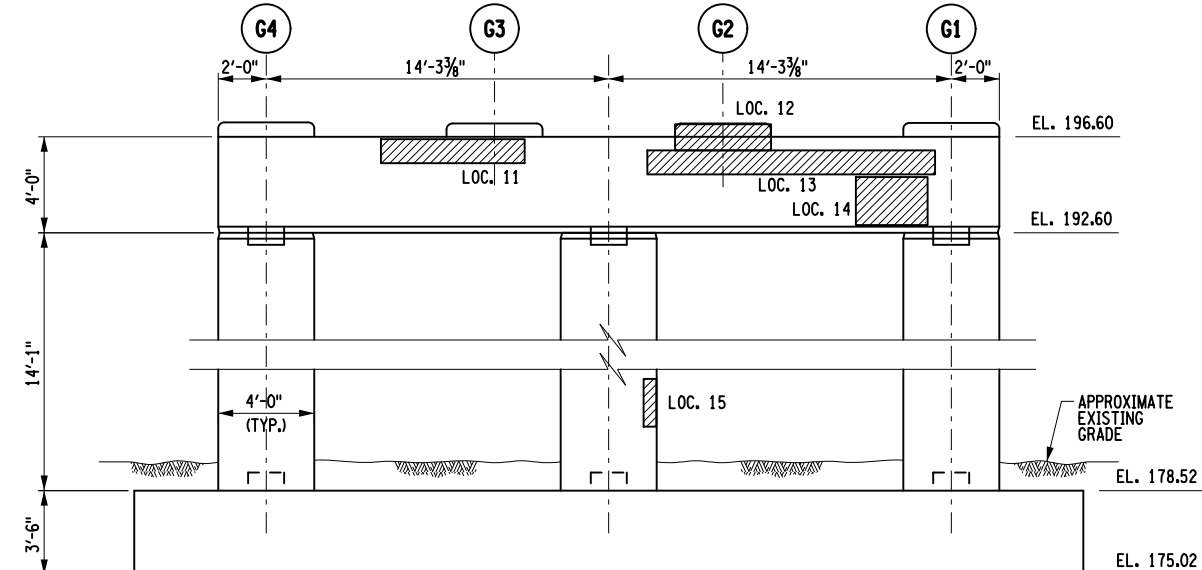
**PIER 1 TOP OF PIER CAP**

SCALE: 1/8"=1'-0"

**PIER 1 ELEVATION**

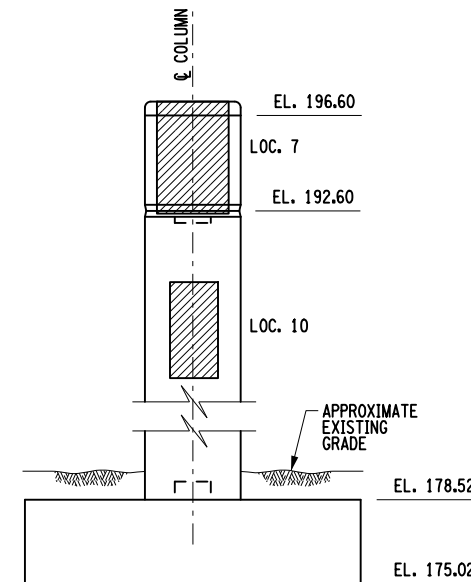
(BEGIN VIEW)

SCALE: 1/8"=1'-0"

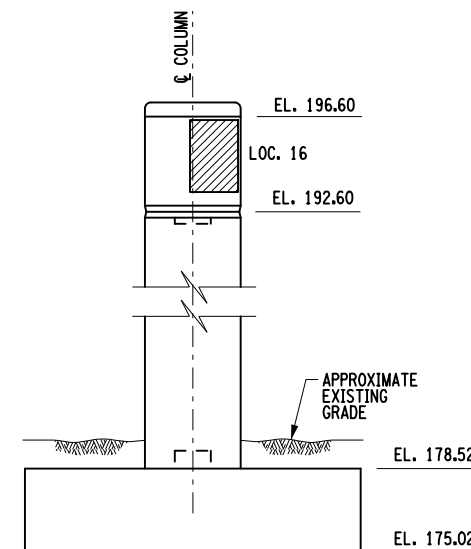
**PIER 1 ELEVATION**

(END VIEW)

SCALE: 1/8"=1'-0"

**PIER 1 RIGHT ELEVATION**

SCALE: 1/8"=1'-0"

**PIER 1 LEFT ELEVATION**

SCALE: 1/8"=1'-0"

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

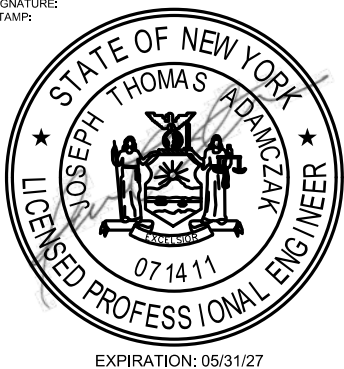
**Thruway Authority****GPI**

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
PIER 1

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-14



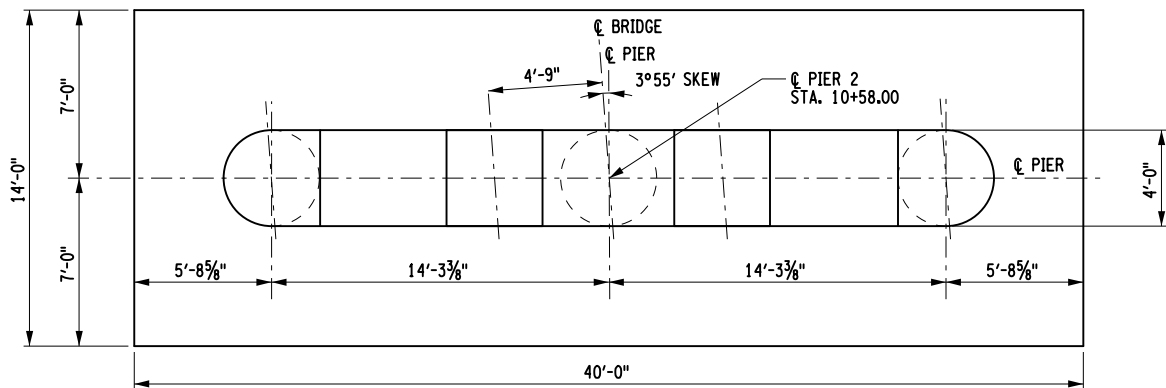
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

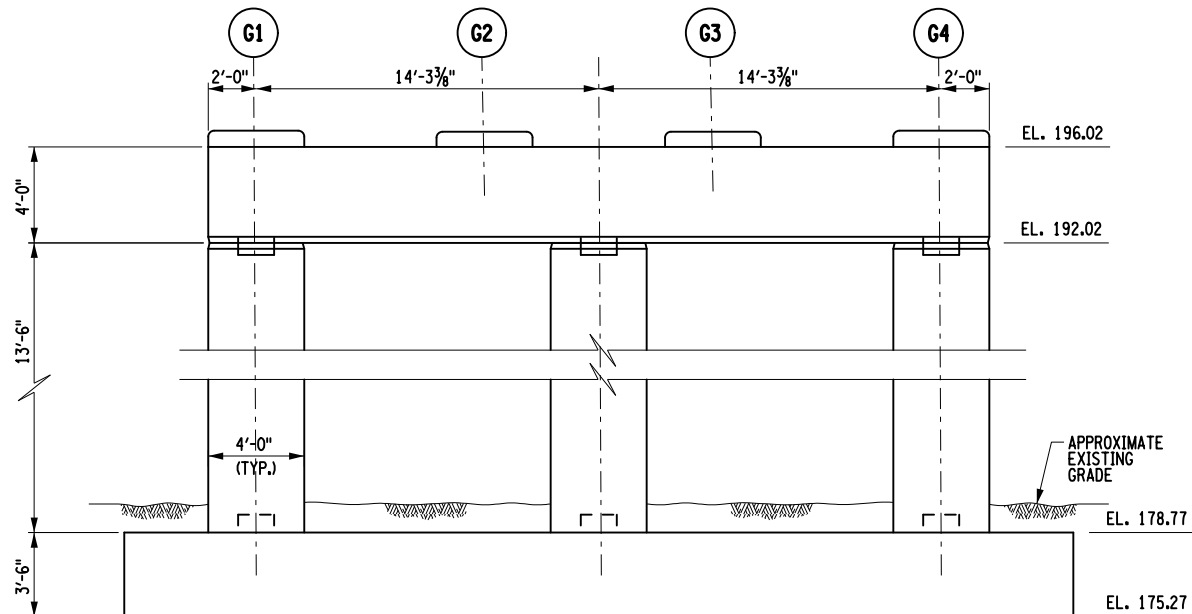
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



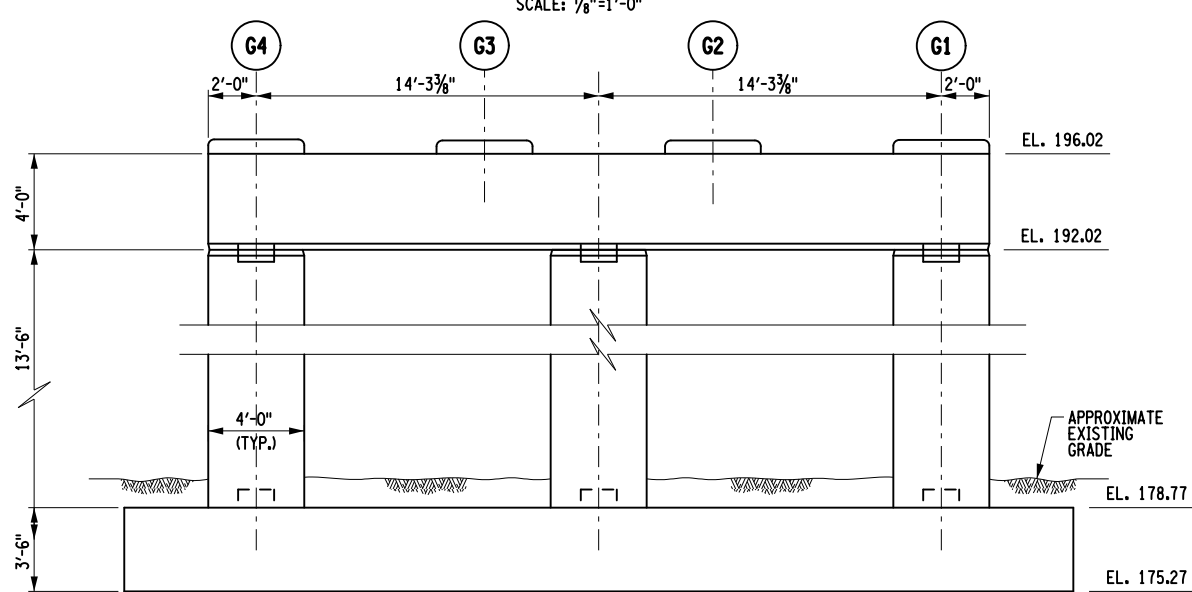
PIER 2 TOP OF PIER CAP

SCALE: 1/8"=1'-0"



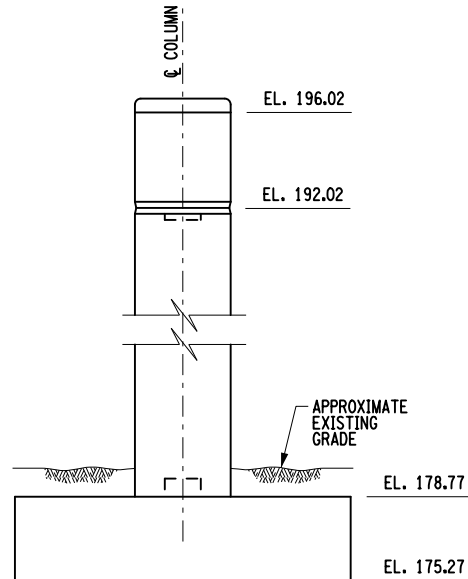
PIER 2 ELEVATION

(BEGIN VIEW)
SCALE: 1/8"=1'-0"



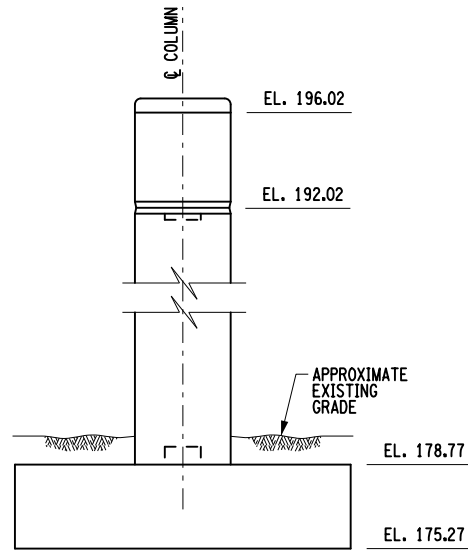
PIER 2 ELEVATION

(END VIEW)
SCALE: 1/8"=1'-0"



PIER 2 RIGHT ELEVATION

SCALE: 1/8"=1'-0"



PIER 2 LEFT ELEVATION

SCALE: 1/8"=1'-0"

SUBSTRUCTURE REPAIRS TABLE - PIER 2				
LOCATION	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
NO REPAIRS TO BE PERFORMED AT THIS LOCATION				0.00
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.00

NOTE:

- NO PROPOSED WORK, DETAILS FOR INFORMATIONAL PURPOSES ONLY.
- ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.
- FOR ADDITIONAL PIER NOTES, SEE DRAWING ST2-14

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

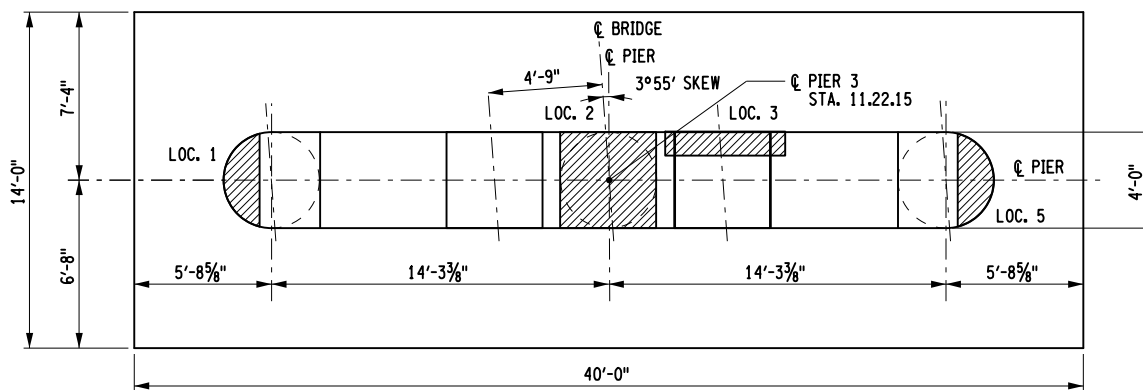
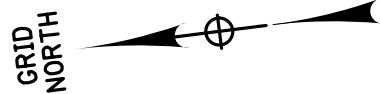
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

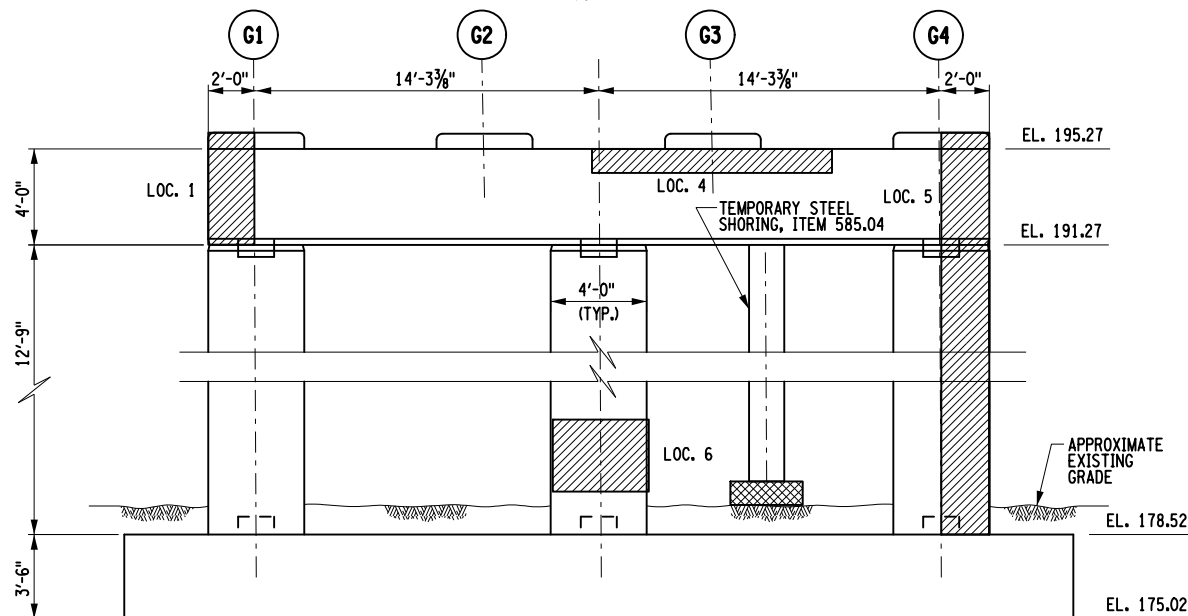
TITLE OF DRAWING
SUBSTRUCTURE REPAIR
PIER 2

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST2-15



PIER 3 TOP OF PIER CAP

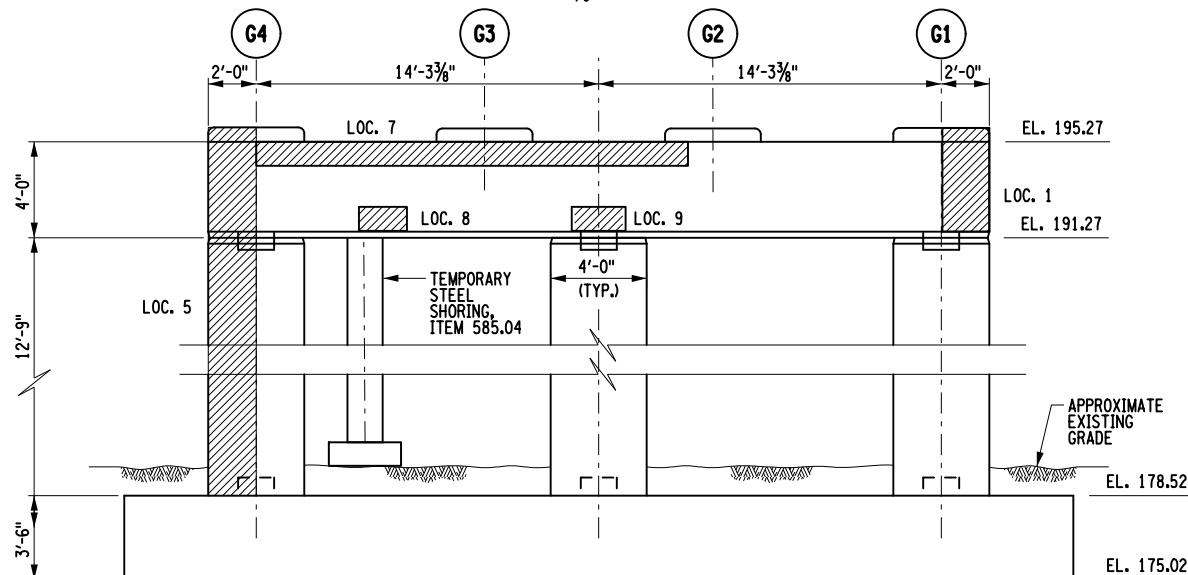
SCALE: 1/8"=1'-0"



PIER 3 ELEVATION

(BEGIN VIEW)

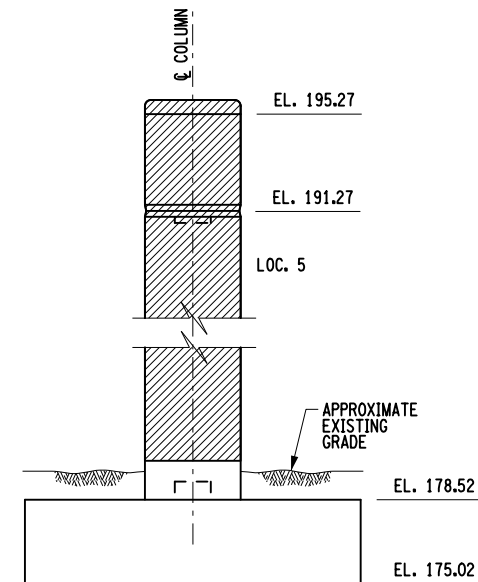
SCALE: 1/8"=1'-0"



PIER 3 ELEVATION

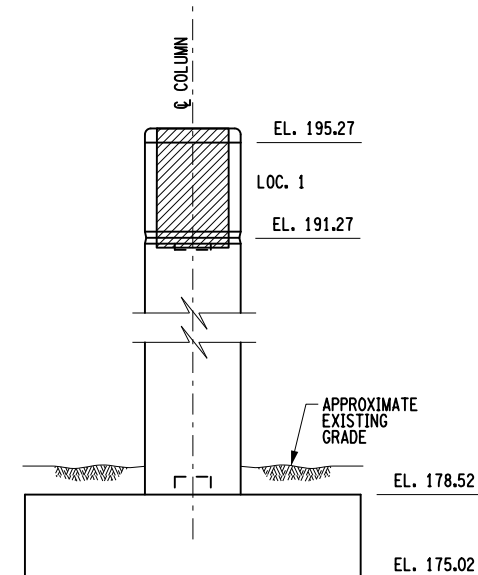
(END VIEW)

SCALE: 1/8"=1'-0"



PIER 3 RIGHT ELEVATION

SCALE: 1/8"=1'-0"



PIER 3 LEFT ELEVATION

SCALE: 1/8"=1'-0"

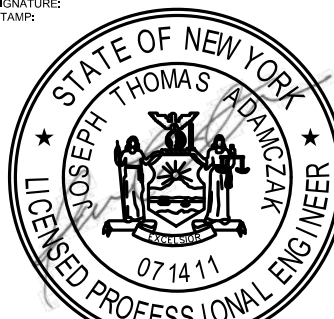
SUBSTRUCTURE REPAIRS TABLE - PIER 3				
LOCATION	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
1	7.00	3.00	0.25	0.19
2	4.00	4.00	0.25	0.15
3	5.00	1.00	0.25	0.05
4	10.00	1.00	0.25	0.09
5	4.00	16.75	0.25	0.62
6	4.00	3.00	0.25	0.11
7	18.00	1.25	0.25	0.21
8	2.00	1.00	0.25	0.02
9	2.50	1.00	0.25	0.02
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				1.46

NOTES:

1. ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. CONC-1 & CONC-2.
2. ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.
3. FOR ADDITIONAL PIER NOTES, SEE DRAWING ST2-14.
4. DESIGN LOADS TO BE CONSIDERED FOR TEMPORARY SHORING, ITEM 585.04 SHALL BE DL+SDL=70 Kips, LL+I=70 Kips.

LEGEND

 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051

ALTERED ON:	AFFIXED ON:
SIGNATURE:	09/30/2026
STAMP:	SIGNATURE:
	STAMP:
	
	EXPIRATION: 05/31/27

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
GLENMONT ROAD BRIDGE
MP 139.54 (BIN 1022440)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
PIER 3

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST2-16

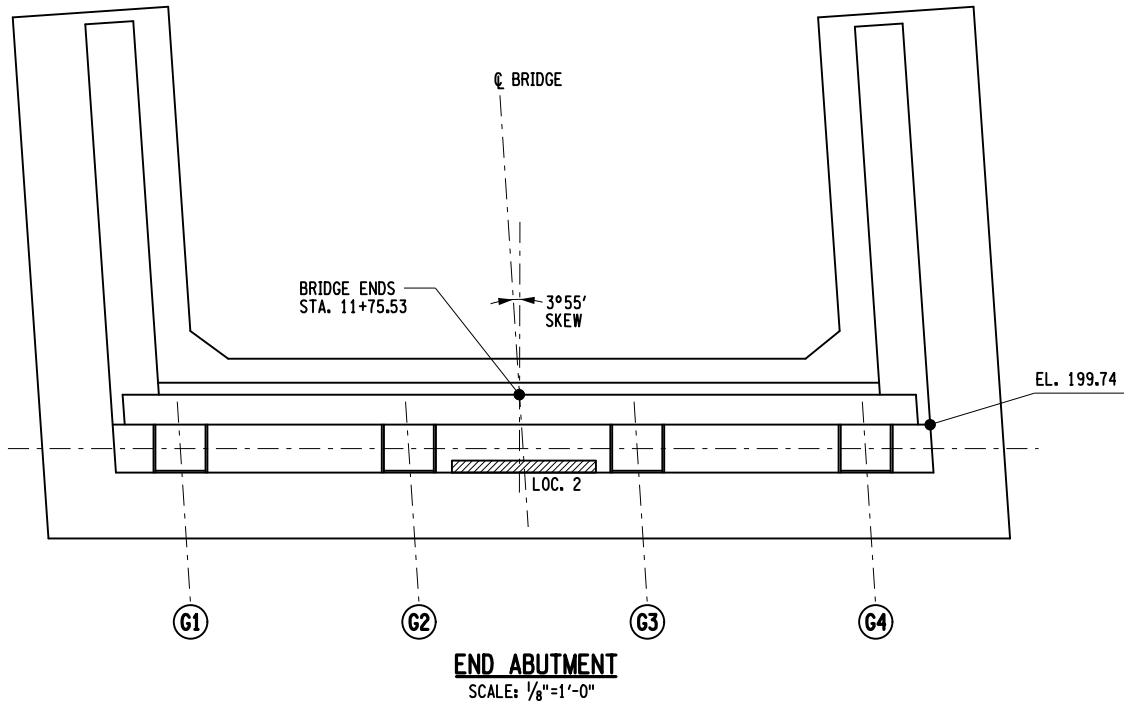
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



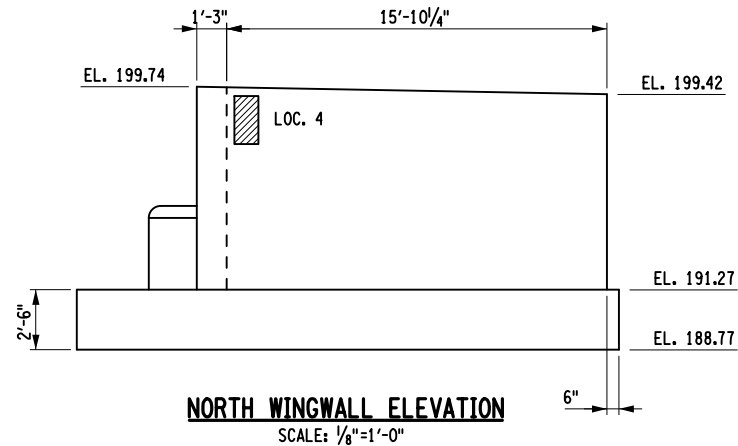
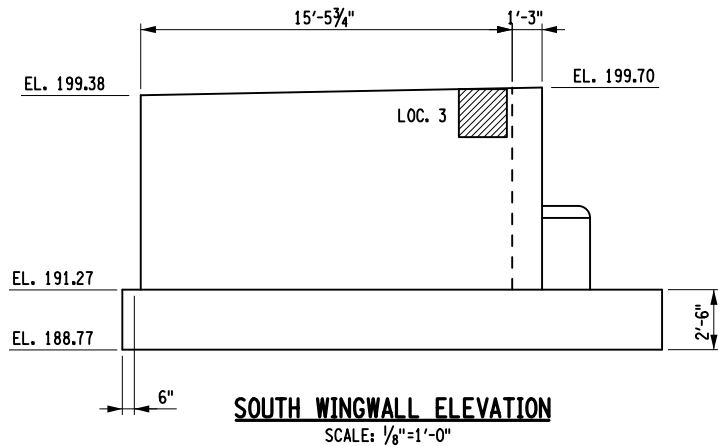
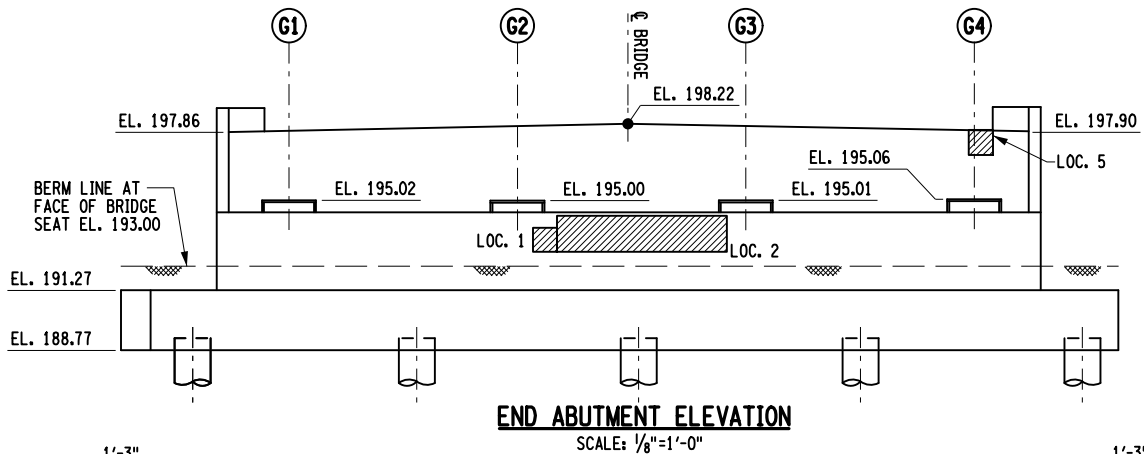
SUBSTRUCTURE REPAIRS TABLE - END ABUTMENT				
LOCATIO N	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
1	1.00	1.00	0.25	0.01
2	6.00	1.50	0.25	0.08
3	2.00	2.00	0.25	0.04
4	1.00	2.00	0.25	0.02
5	1.00	1.00	0.25	0.01
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.16

NOTES:

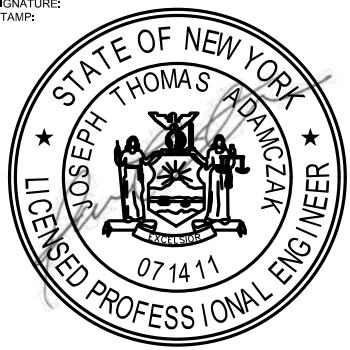
1. ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 AND CONC-2.
2. AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

LEGEND

 REMOVAL AND REPLACEMENT
OF STRUCTURAL CONCRETE,
ITEM 582.0051



ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT GLENMONT ROAD BRIDGE MP 139.54 (BIN 1022440)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING SUBSTRUCTURE REPAIR END ABUTMENT	DRAWING NUMBER: ST2-17

MARIAVILLE ROAD BRIDGE, MP 159.23		
SHEET NO.	DESCRIPTION	DRAWING NO.
88	INDEX & ESTIMATE OF QUANTITIES	EOQ-1
89	WORK ZONE TRAFFIC CONTROL (1 OF 10)	WZTC3-1
90	WORK ZONE TRAFFIC CONTROL (2 OF 10)	WZTC3-2
91	WORK ZONE TRAFFIC CONTROL (3 OF 10)	WZTC3-3
92	WORK ZONE TRAFFIC CONTROL (4 OF 10)	WZTC3-4
93	WORK ZONE TRAFFIC CONTROL (5 OF 10)	WZTC3-5
94	WORK ZONE TRAFFIC CONTROL (6 OF 10)	WZTC3-6
95	WORK ZONE TRAFFIC CONTROL (7 OF 10)	WZTC3-7
96	WORK ZONE TRAFFIC CONTROL (8 OF 10)	WZTC3-8
97	WORK ZONE TRAFFIC CONTROL (9 OF 10)	WZTC3-9
98	WORK ZONE TRAFFIC CONTROL (10 OF 10)	WZTC3-10
99	BRIDGE PLAN AND ELEVATION	ST3-1
100	TYPICAL BRIDGE SECTION	ST3-2
101	DECK REPAIR PLAN	ST3-3
102	EXISTING JOINT REPLACEMENT DETAILS	ST3-4
103	PROPOSED JOINT REPLACEMENT DETAILS	ST3-5
104	STEEL FRAMING PLAN	ST3-6
105	SIGN REPAIR	ST3-7
106	SUBSTRUCTURE REPAIR BEGIN ABUTMENT	ST3-8
107	SUBSTRUCTURE REPAIR PIER 1	ST3-9
108	SUBSTRUCTURE REPAIR PIER 2	ST3-10
109	SUBSTRUCTURE REPAIR PIER 3	ST3-11
110	SUBSTRUCTURE REPAIR END ABUTMENT	ST3-12

MARIAVILLE RD (MP 159.23) ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	ESTIMATE	FINAL
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY	15	
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT CONCRETE FOR STRUCTURES	QU	1	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	930	
559.03	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON EXISTING BRIDGE DECKS	SF	18,500	
564.20010008	HOT-DIP GALVANIZING OF STRUCTURAL STEEL	LB	4,500	
564.510003	STRUCTURAL STEEL	LB	4,500	
567.63	BRIDGE JOINT SEAL	LF	233	
570.01	LEAD EXPOSURE CONTROL PLAN	LS	1	
570.02	MEDICAL TESTING	DC	13,145	
570.03	PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS	DC	13,145	
570.04	DECONTAMINATION FACILITIES	CW	4	
570.150002	CLASS A CONTAINMENT FOR PAINT REMOVAL	LS	1	
571.03	DISPOSAL OF HAZARDOUS PAINT WASTE CONTAINING LEAD	LB	46,008	
573.010002	STRUCTURAL STEEL PAINTING FIELD APPLIED, TOTAL REMOVAL	LS	1	
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	15	
582.0051	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	CY	4	
589.010003	REMOVAL OF EXISTING STEEL	LB	2,000	
606.53	RESETTING BOX BEAM GUIDE RAILING	LF	30	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.0803	COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE)	LF	3,410	
619.100104	INTERIM PAVEMENT MARKINGS, STRIPES (REMOVABLE WET REFLECTIVE TAPE)	LF	3,300	
619.110513	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATIONS WITH NYCIP COMP	EA	4	
619.130202	TEMPORARY TRAFFIC SIGNALS - PORTABLE TRAFFIC SIGNAL SYSTEM	ELOC	2	
619.17060025	LINEAR DELINEATION SYSTEMS	LF	150	
619.1713	TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED)	LF	1,310	
619.1714	TEMPORARY POSITIVE BARRIER - CATEGORY 4 (PINNING PERMITTED)	LF	360	
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF	1,340	
619.1719	WARNING LIGHTS ON TEMPORARY POSITIVE BARRIERS	EA	40	
619.1802	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 2)	EA	2	
619.1803	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 3)	EA	3	
619.24	NIGHTTIME OPERATIONS	LS	1	
619.99230101	FURNISH TRANSPORTATION SERVICES FOR PEDESTRIANS	LS	1	
625.01	SURVEY OPERATIONS	LS	1	
645.61000125	INSTALL OVERHEAD SIGN PANEL (THRUWAY SUPPLIED)	SF	208	
647.25	REMOVE AND DISPOSE OVERHEAD SIGN PANEL, SIGN PANEL ASSEMBLY	EA	1	

REVISIONS						Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23 LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	TITLE OF DRAWING INDEX & ESTIMATE OF QUANTITIES	CONTRACT NUMBER: TAA 26-19B DATE: 08/26/2026 DRAWING NUMBER: EOQ3-1
DATE	DESCRIPTION	BY	SYM.						

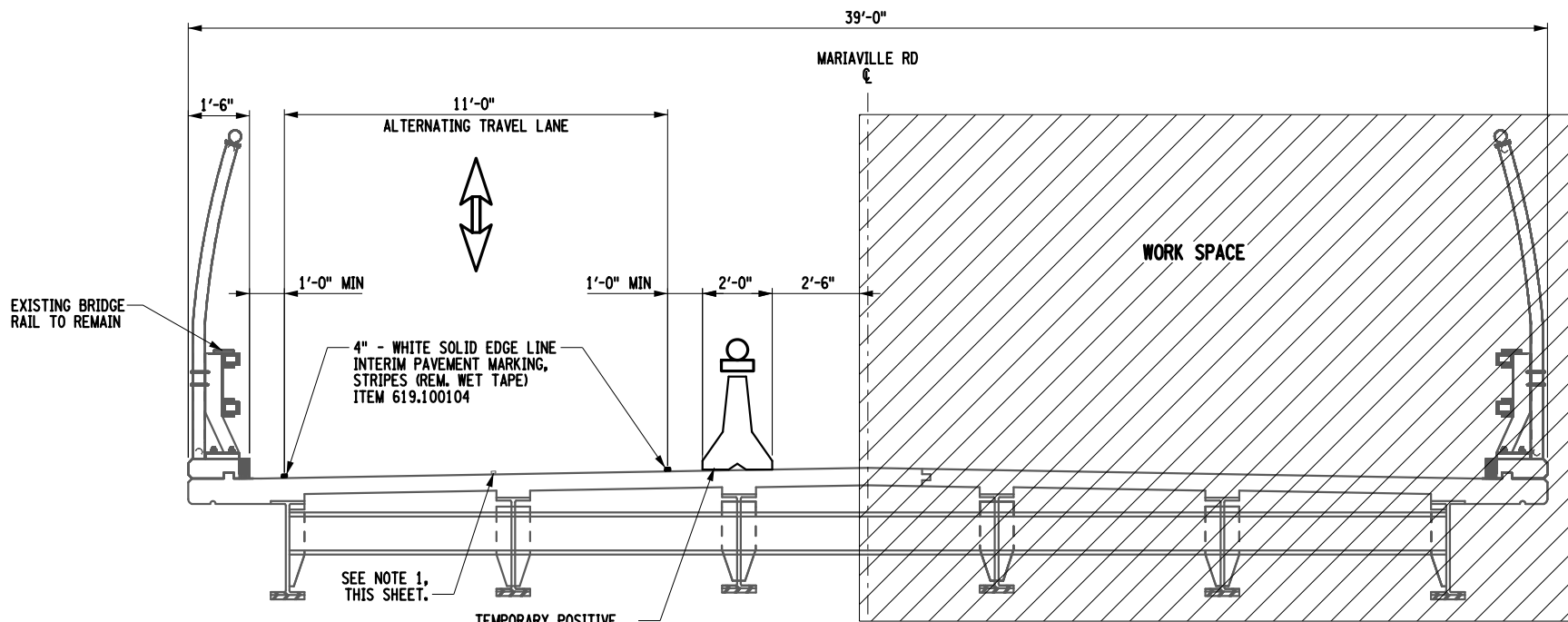
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

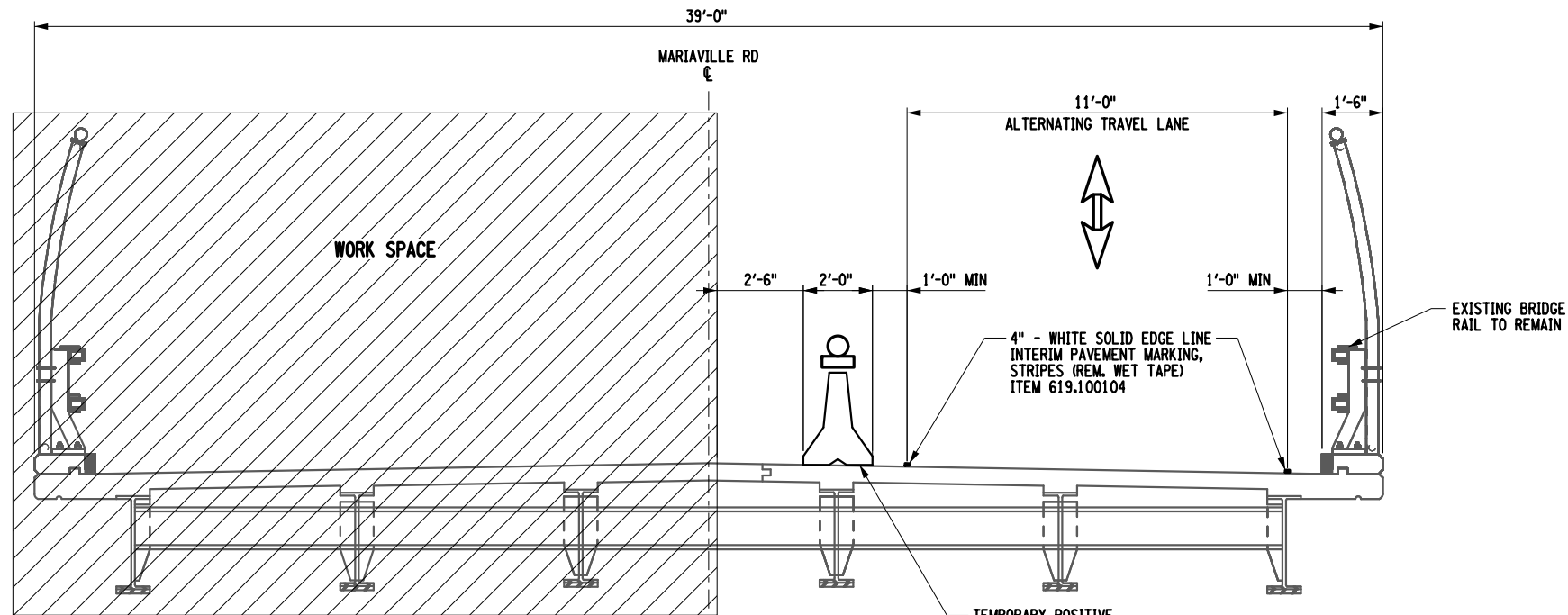
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



MARIAVILLE RD MP 159.23
WORK ZONE SECTION - STAGE A
(LOOKING UPSTATION)
SCALE: NONE



MARIAVILLE RD MP 159.23
WORK ZONE SECTION - STAGE B
(LOOKING UPSTATION)
SCALE: NONE

NOTE:

1. DURING ANY STAGE THE CONTRACTOR SHALL COVER COMPLETELY ANY EXISTING CONFLICTING PAVEMENT MARKINGS. COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE) ITEMS 619.0803 (TYP).

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT MARIVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
 GPI Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (1 OF 10)	DRAWING NUMBER: WZTC3-1

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK

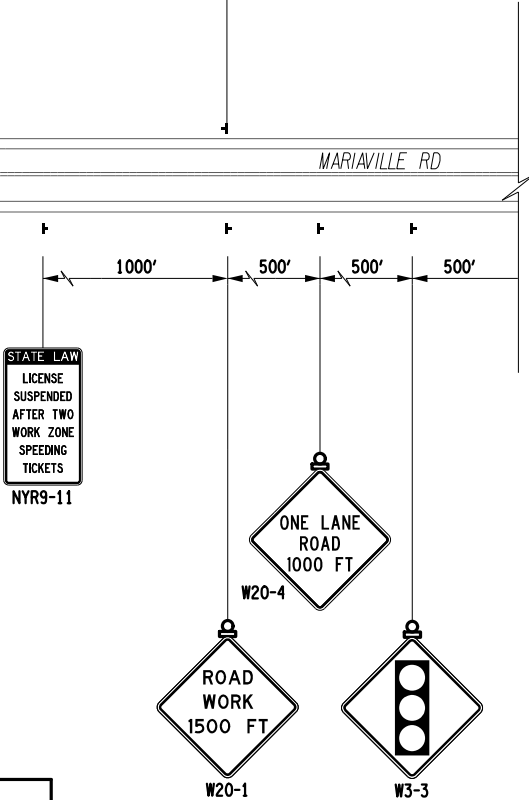
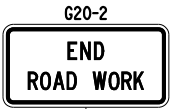
TEMPORAARY TRAFFIC SIGNAL TIMING PLAN											
SIGNAL TIMING INTERVALS	SIGNAL HEAD NUMBER								INTERVAL TIMING		RECALL
	1	2	3	4	5	6	7	8			
PHASE 1	G	G	R	R	R	R	R	R	30 SECONDS		
YELLOW CLEARANCE	Y	Y	R	R	R	R	R	R	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	R	45 SECONDS		
PHASE 2	R	R	G	G	R	R	R	R	12 SECONDS		
YELLOW CLEARANCE	R	R	Y	Y	R	R	R	R	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	R	4 SECONDS		
PHASE 3	R	R	R	R	G	G	R	R	12 SECONDS		
YELLOW CLEARANCE	R	R	R	R	Y	Y	R	R	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	R	4 SECONDS		
PHASE 4	R	R	R	R	R	R	G	G	30 SECONDS	MIN.	
YELLOW CLEARANCE	R	R	R	R	R	R	Y	Y	4 SECONDS		
ALL RED CLEARANCE	R	R	R	R	R	R	R	R	45 SECONDS		

TEMPORARY TRAFFIC SIGNAL NOTES:

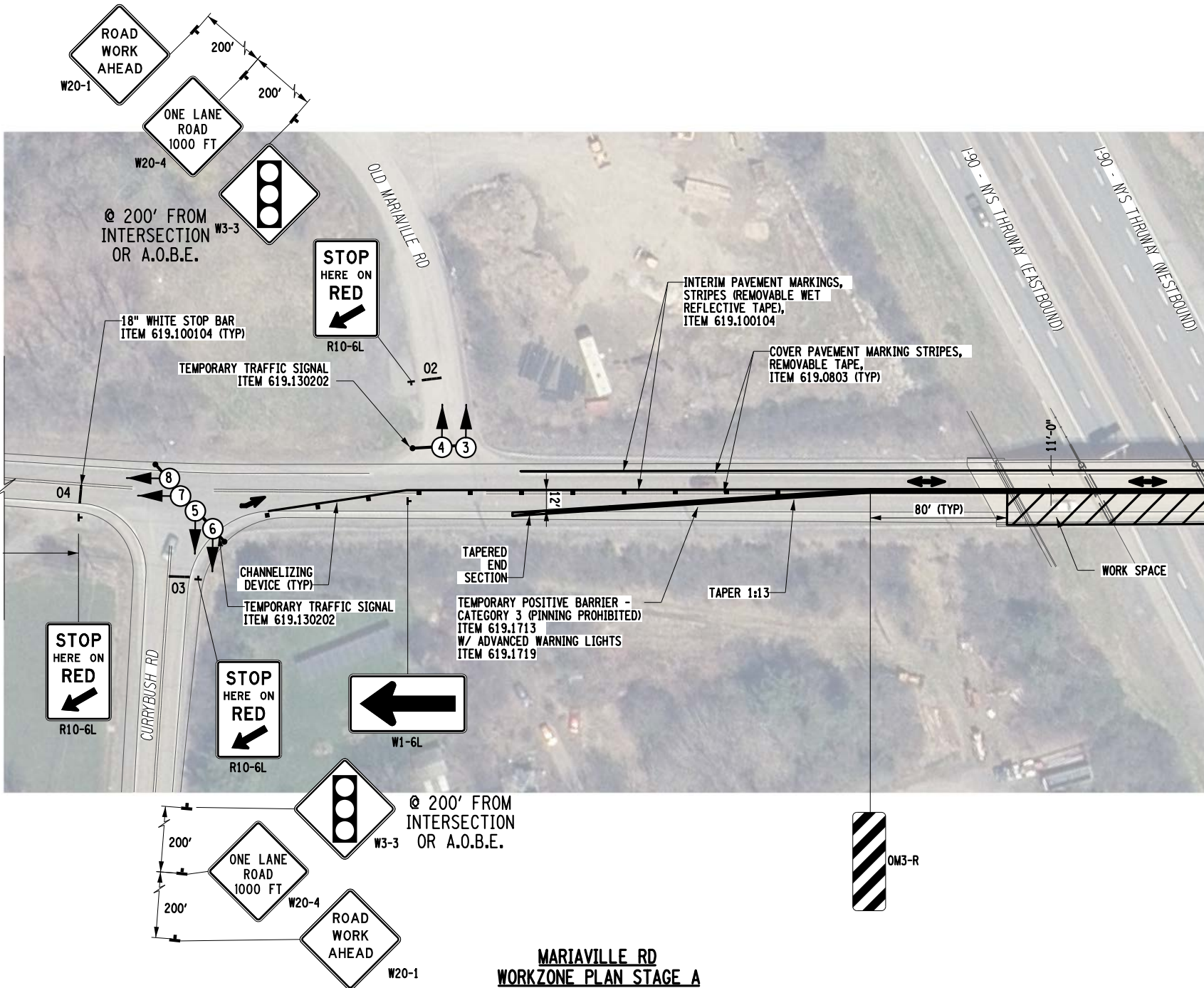
1. TEMPORARY SIGNAL SHOWN SHALL BE USED AS A GUIDELINE, CONTRACTOR IS RESPONSIBLE FOR LAYING OUT EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS.
2. SIGNAL HEAD REPLACEMENT SHALL MEET THE REQUIREMENTS OF M.U.T.C.D. CHAPTER 4, AND NYSDOT STANDARD SPECIFICATIONS AND SHEETS.
3. ALL PHASES SHALL BE ACTUATED WITH PASSIVE VEHICLE DETECTION (MICROWAVE OR VIDEO) PHASES NOT CALLED SHALL BE SKIPPED UNLESS RECALL IS ON MINIMUM GREEN TIMES SHALL BE SET TO 8 SECONDS AND EXTENTION TIME TO 3 SECONDS.
4. PHASE 2 & 3 SHALL NOT BE ALLOWED TO TRANSFER DIRECTLY TO PHASE 1 IN ANY INSTANCE PHASE 1 MUST BE PROCEEDED BY PHASE 4.

NOTES:

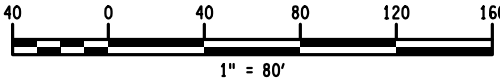
1. MARIAVILLE ROAD (URBAN) - PRECONSTRUCTION POSTED SPEED LIMIT = 45 MPH.
2. REFER TO DWG WZTC3-1 FOR TYPICAL SECTIONS.
3. TEMPORARY / INTERIM PAVEMENT MARKINGS SHALL BE USED AS SHOWN, OR IN ACCORDANCE TO THE CONTRACT DOCUMENTS. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING SHALL BE REMOVED OR COVERED.
4. THE TEMPORARY POSITIVE BARRIER SHALL NOT BE PLACED ALONG THE TWO-WAY TRAFFIC TAPER. THE LANE SHALL BE CLOSED USING CHANNELIZING DEVICES AND PAVEMENT MARKINGS.
5. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS ARE REQUIRED ON THE SIGNAL AHEAD SIGNS (W3-3). FLASHING WARNING LIGHTS ARE RECOMMENDED ON THE ROAD WORK AHEAD SIGNS (W20-1) AND ONE LANE AHEAD SIGNS (W20-4) AND MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY, AS DETERMINED BY THE ENGINEER.
6. WHERE NO-PASSING LINES ARE NOT ALREADY IN PLACE, THEY SHALL BE ADDED FOR A DISTANCE OF 500'-600' FROM THE STOP BAR. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING SHALL BE REMOVED OR COVERED. IF A PASSING ZONE IS SHORTENED, THE REMAINING LENGTH MUST MEET MINIMUM REQUIREMENTS.
7. THE SUPPORTS R TEMPORARY TRAFFIC CONTROL SIGNALS SHALL NOT ENCROACH INTO THE MINIMUM REQUIRED WIDTH OF A "PEDESTRIAN ACCESS ROUTE" OF 4'.



ADVANCED WARNING SIGNAGE LAYOUT



MARIAVILLE RD WORKZONE PLAN STAGE A



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (2 OF 10)	DRAWING NUMBER: WZTC3-2

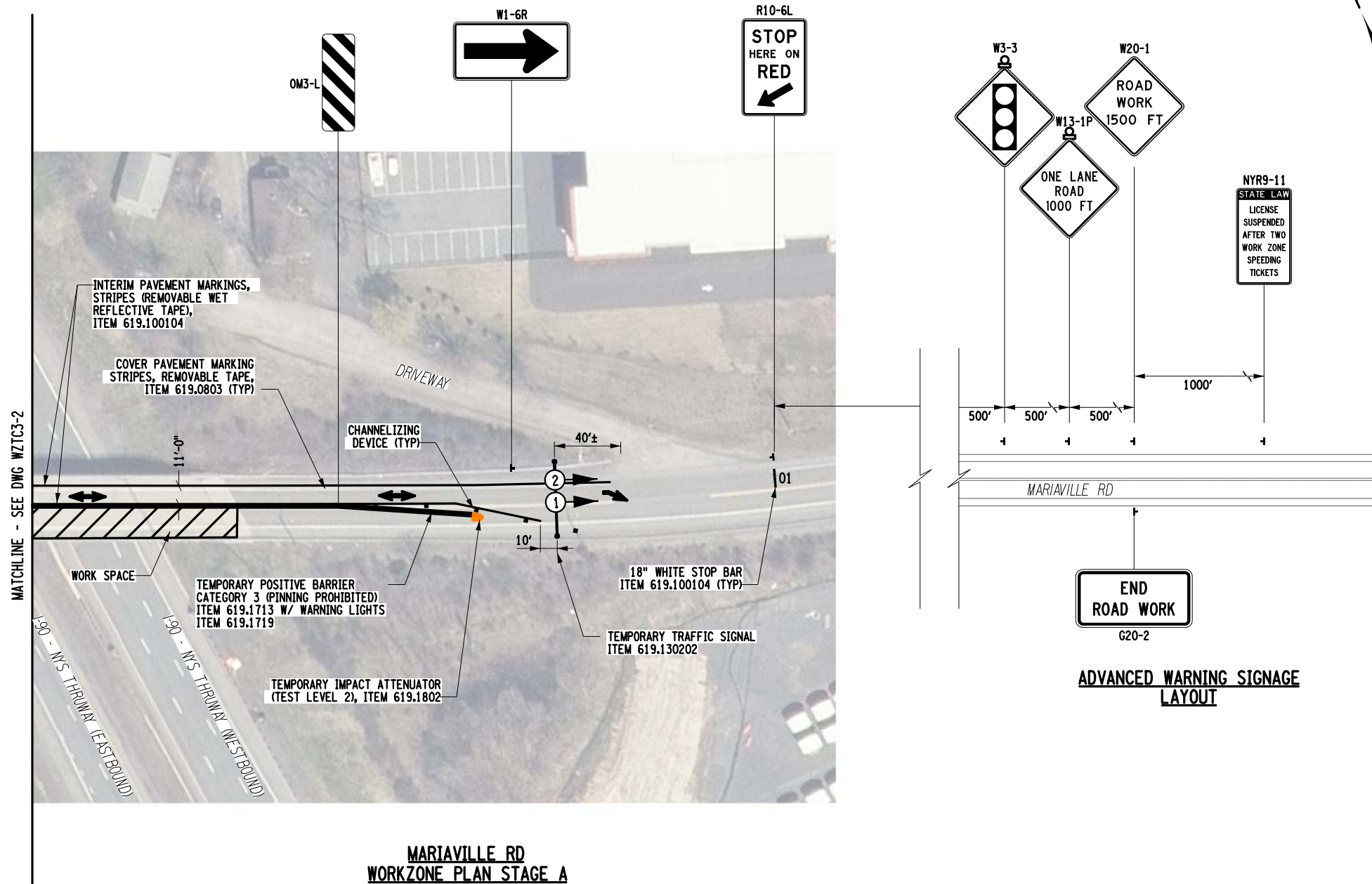
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



MARIVILLE RD
WORKZONE PLAN STAGE A

ADVANCED WARNING SIGNAGE
LAYOUT

ALTERED ON:

10/07/2026

SIGNATURE:

STAMP:

SIGNATURE:

STAMP:

STATE OF NEW YORK

CHRISTOPHER C. CORNWELL

086050

PROFESSIONAL ENGINEER

EXPIRATION: 10/31/2028

REFERENCE NOTE:

1. REFER TO DWG WZTC3-1 FOR TYPICAL SECTIONS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

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80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
LOCATION OF PROJECT MARIVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (3 OF 10)	DRAWING NUMBER: WZTC3-3

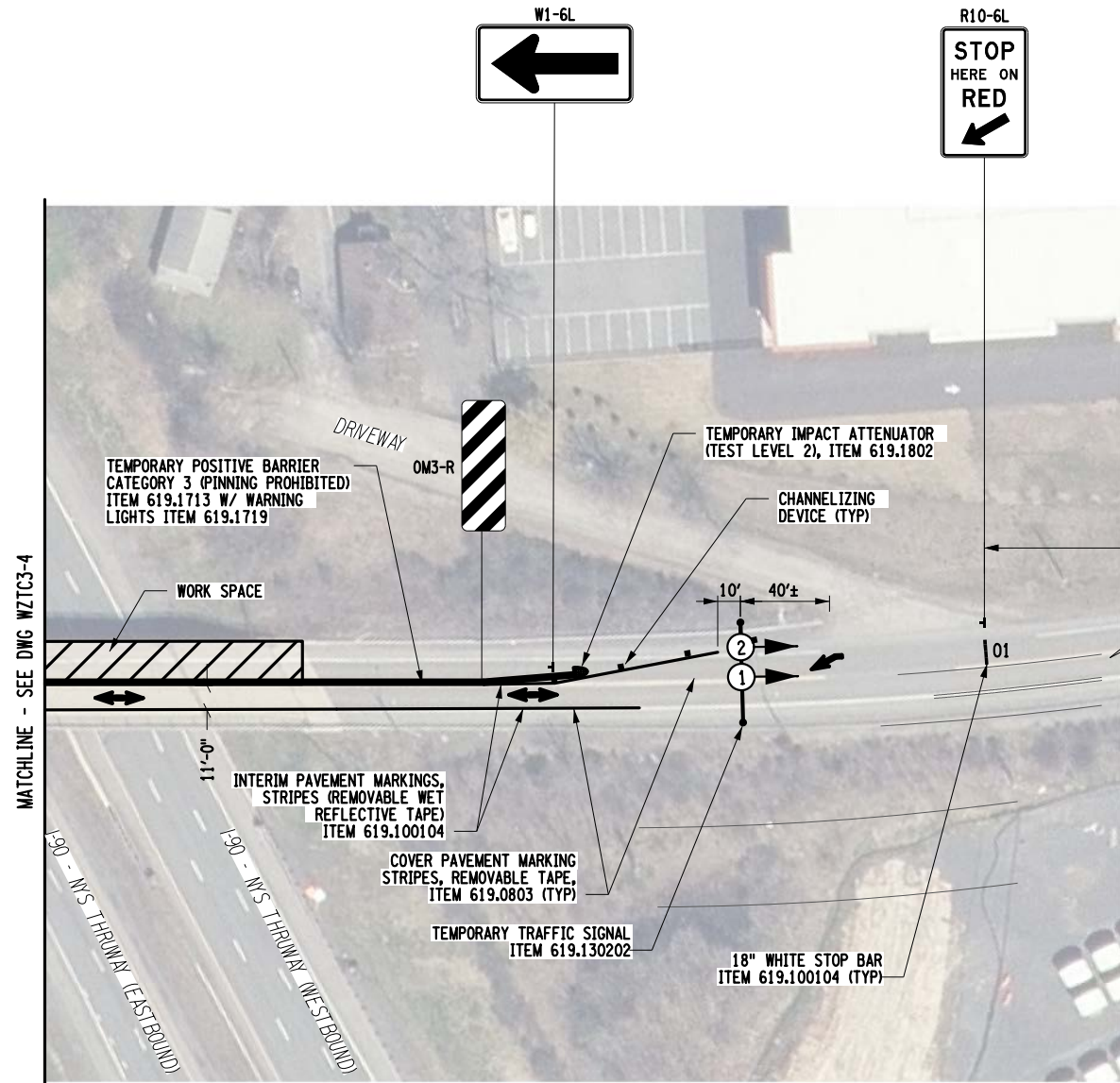
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

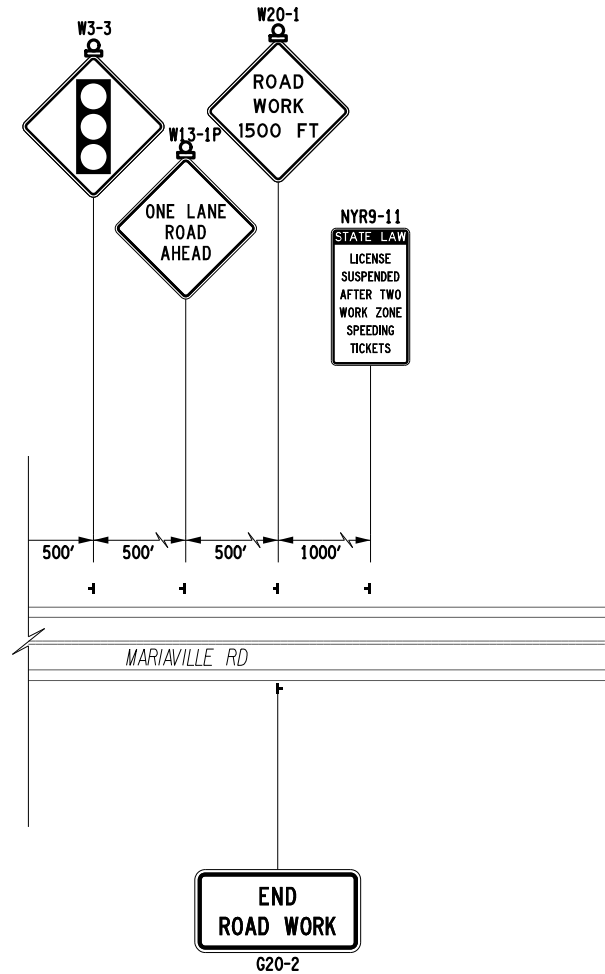
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



WORK ZONE PLAN STAGE B



ADVANCED WARNING SIGNAGE LAYOUT

REFERENCE NOTE:

1. REFER TO DWG WZTC3-1 FOR TYPICAL SECTIONS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

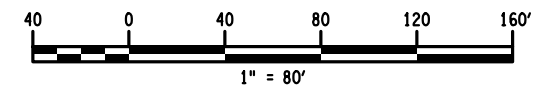


Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIAVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL
(5 OF 10)

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
WZTC3-5



EXPIRATION: 10/31/2028

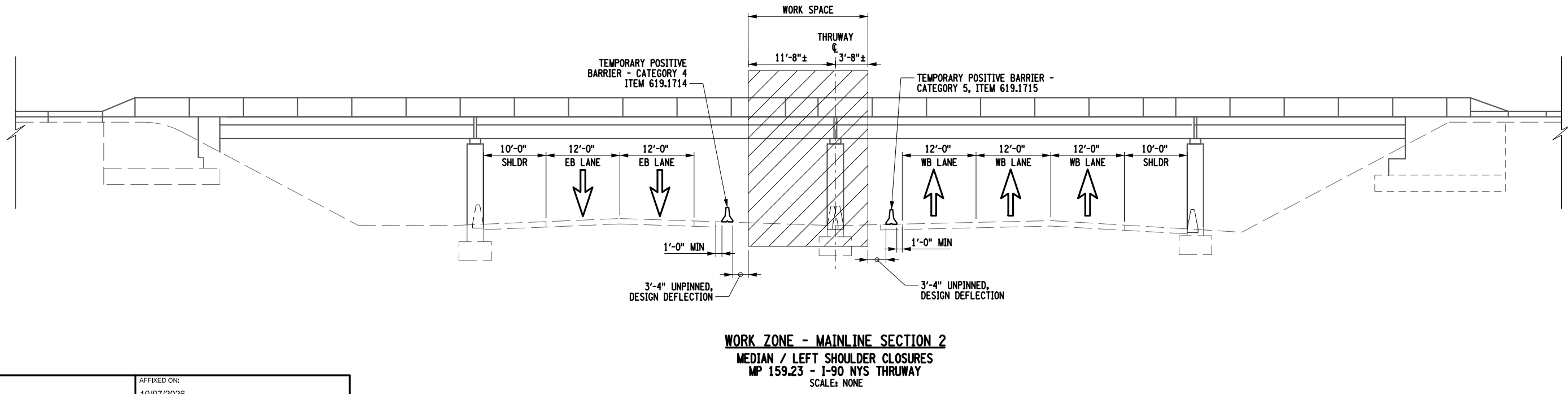
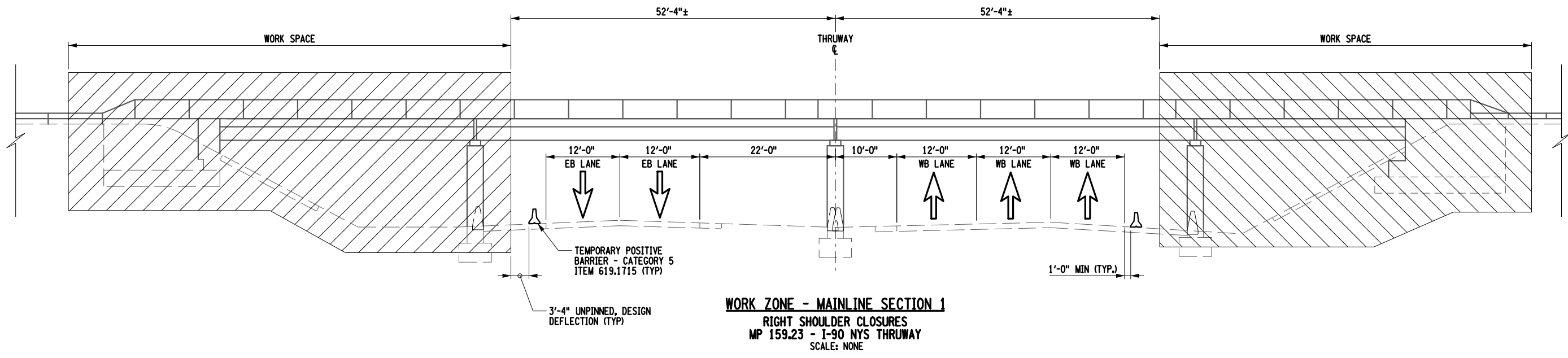
CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



NOTE:
1. THE CONTRACTOR SHALL PROPERLY TERMINATE AND ANCHOR ANY REMAINING BARRIER SYSTEM DURING REMOVALS/MODIFICATIONS. OVERLAP TEMPORARY POSITIVE BARRIER 75 FT MINIMUM WITH EXSITING BARRIER SYSTEM.

ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER C. CORNWELL
LICENSED PROFESSIONAL ENGINEER
086050
EXPIRATION: 10/31/2028

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 GPI	Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
		LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (6 OF 10)		DRAWING NUMBER: WZTC3-6	

CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

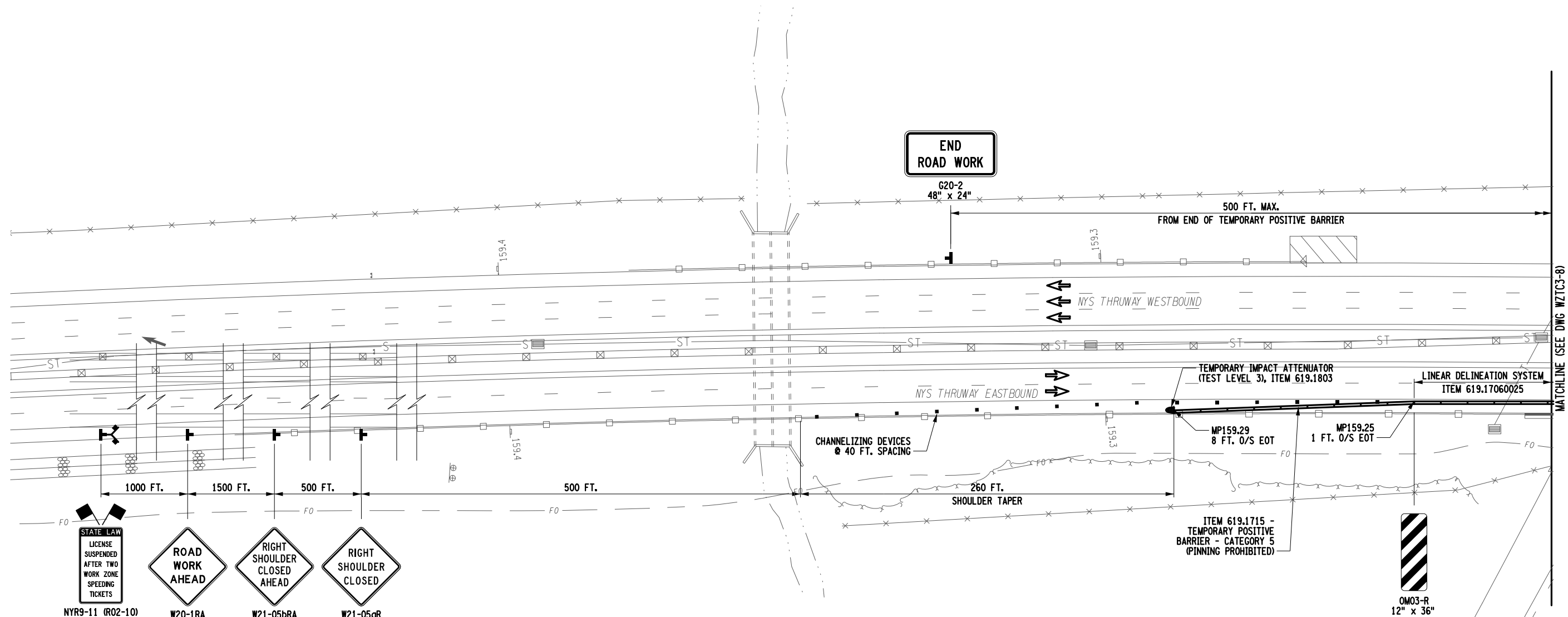
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



95
110



MAINLINE - RIGHT SHOULDER CLOSURES
M.P. 159.23 - MARIAVILLE RD OVER NYS THRUWAY

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (7 OF 10)	DRAWING NUMBER: WZTC3-7



CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

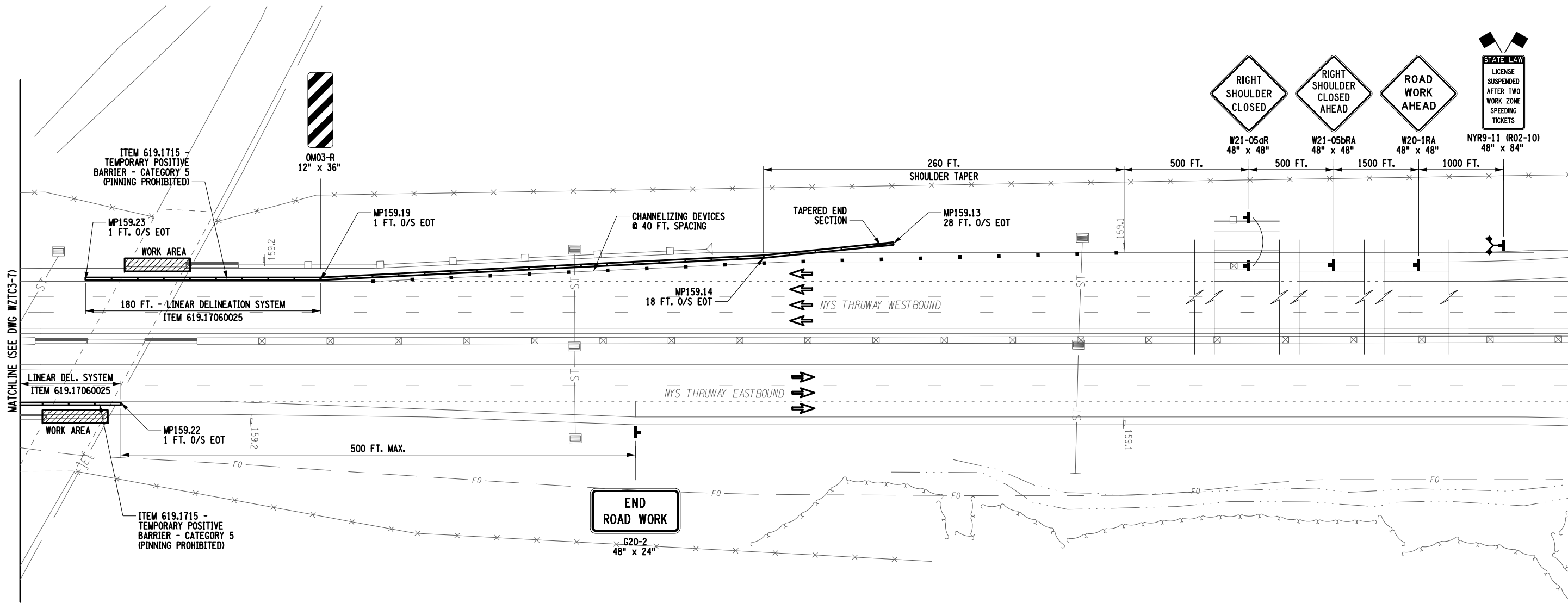
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



96
110



MAINLINE - RIGHT SHOULDER CLOSURES
M.P. 159.23 - MARIAVILLE RD OVER NYS THRUWAY

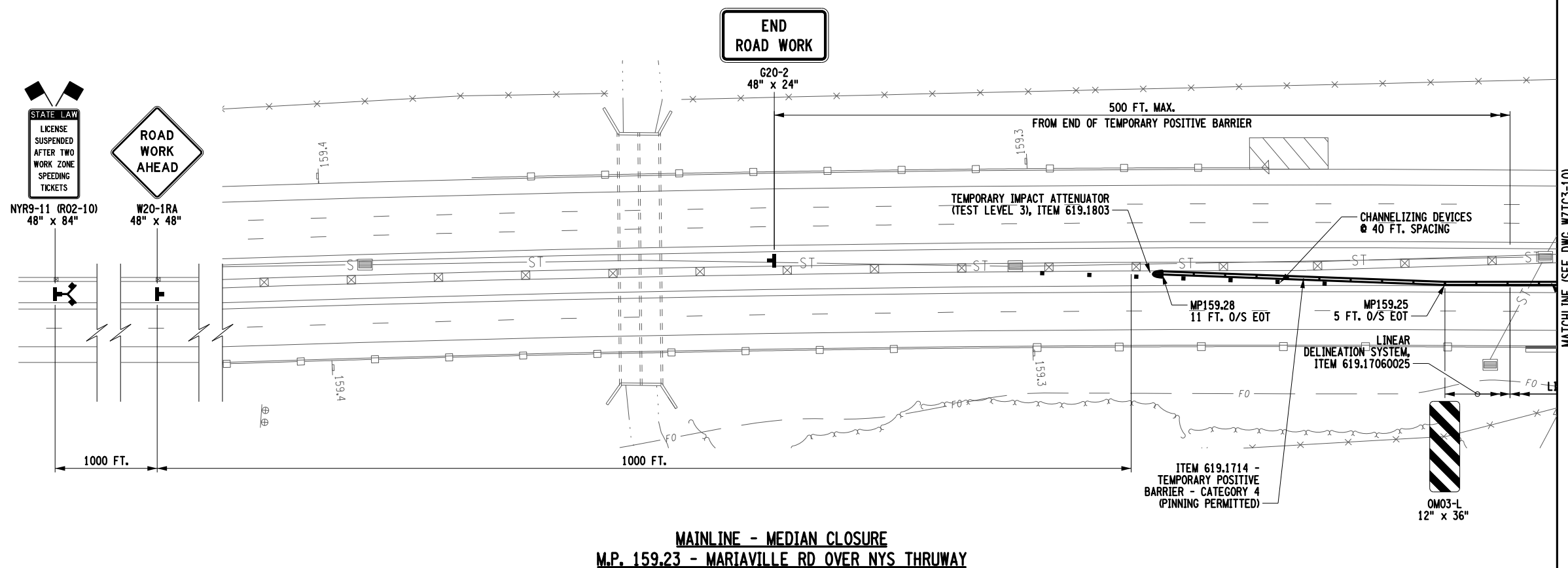
ALTERED ON:	AFFIXED ON:
SIGNATURE:	SIGNATURE:
STAMP:	STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (8 OF 10)	DRAWING NUMBER: WZTC3-8





MAINLINE - MEDIAN CLOSURE
M.P. 159.23 - MARIAVILLE RD OVER NYS THRUWAY

ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 
	EXPIRATION: 10/31/2028

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REVISIONS			
DATE	DESCRIPTION	BY	SY



Thruway Authority



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Albany, NY 12205
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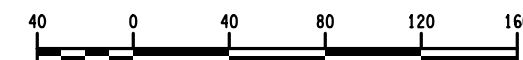
TITLE OF PROJECT	REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT	MARIVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)

TITLE OF DRAWING	WORK ZONE TRAFFIC CONTROL (9 OF 10)
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CONTRACT NUMBER:
TAA 26-19B

DATE: 08/26/2026

DRAWING NUMBER:
WZTC:3-9



CHECKED BY: A. JACKSON

DRAFTED BY: E. AMLIN

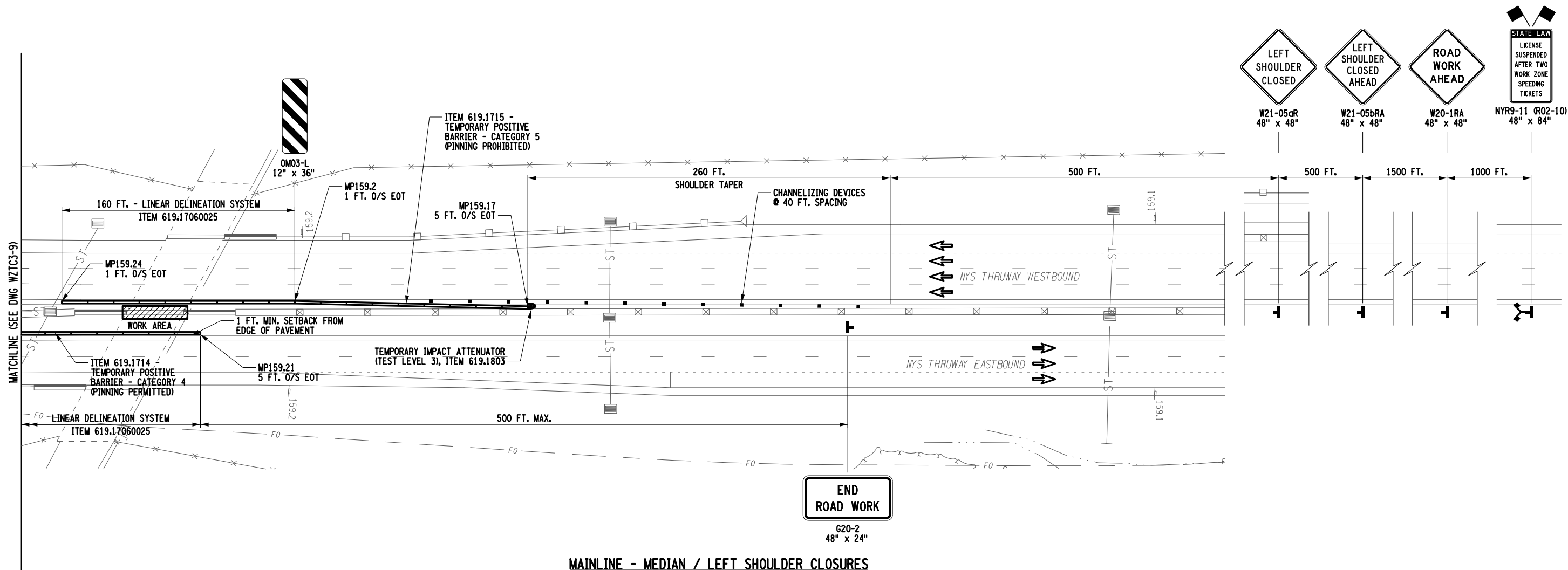
CHECKED BY: C. CORNWELL

DESIGNED BY: G. KEHN

DESIGN SUPERVISOR: J. ADAMCZAK



98
110



END
ROAD WORK

G20-2
48" x 24"

MAINLINE - MEDIAN / LEFT SHOULDER CLOSURES
M.P. 159.23 - MARIAVILLE RD OVER NYS THRUWAY

ALTERED ON:	AFFIXED ON:
SIGNATURE:	SIGNATURE:
STAMP:	STAMP:

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DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL (10 OF 10)	DRAWING NUMBER: WZTC3-10

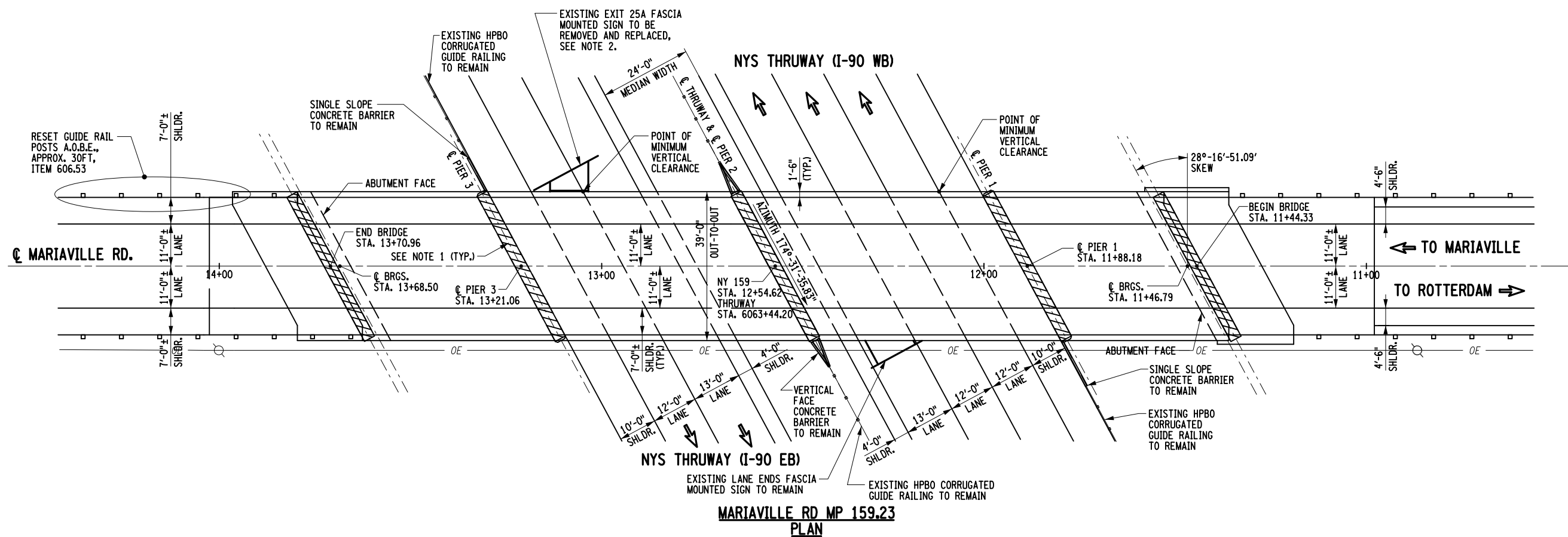
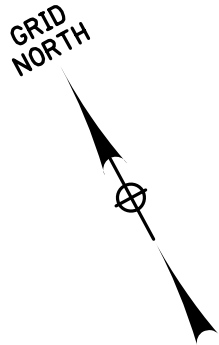
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



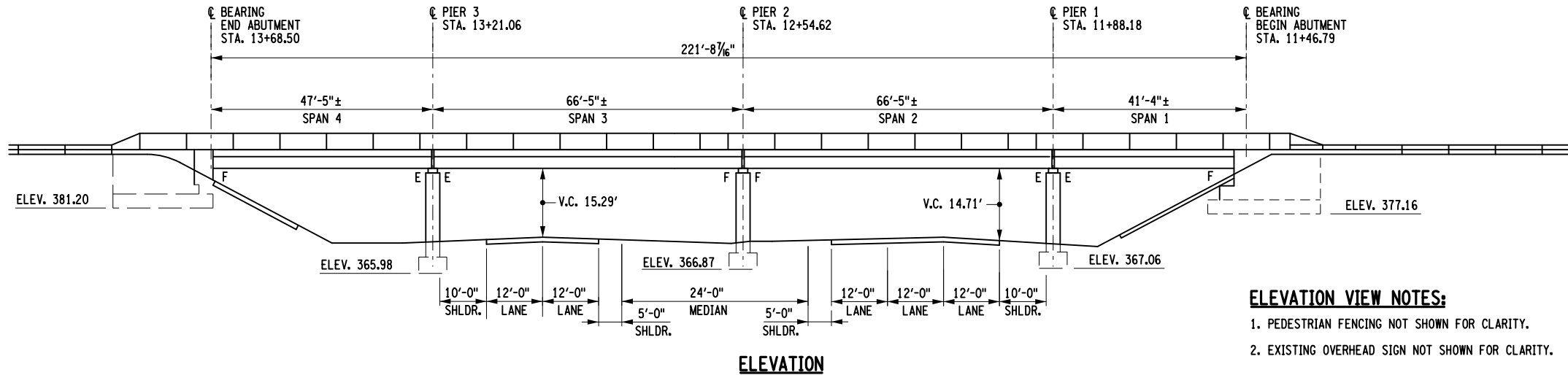
MARIVILLE ROAD (BIN 1038760)		
LOAD FACTOR (LFD) RATING: SPAN 3 (OVER EB I-90) CONTROLLING		
BEAM	EXTERIOR	INTERIOR
INVENTORY	HS-38 (68 TONS)	HS-36 (64 TONS)
OPERATING	HS-64 (115 TONS)	HS-60 (108 TONS)
LIVE LOAD: HS-20		

NOTES:

1. REMOVE EXISTING BRIDGE JOINT SYSTEM AND INSTALL NEW ARMORLESS JOINT SYSTEM. SEE DWG. NO. ST3-4 AND ST3-5 FOR DETAILS.
2. EXISTING EXIT 25A SIGN TO BE REMOVED AND REPLACED, SEE DWG. NO. ST3-7.
3. REMOVE AND REPLACE DETERIORATED CONCRETE IN DECK, ITEM 582.0051. SEE DWG. NO. ST3-3 FOR ANTICIPATED REPAIR LOCATIONS AND SIZES.
4. FOR RAILING AND POST CONNECTION DETAILS, SEE DWG. CONC-2.
5. THE CONTRACTORS ATTENTION IS DRAWN TO THE PRESENCE OF OVERHEAD HIGH VOTAGE ELECTRIC LINES IN PROXIMITY TO THIS BRIDGE. CONTRACTOR SHALL PLAN THEIR OPERATIONS ACCORDINGLY.

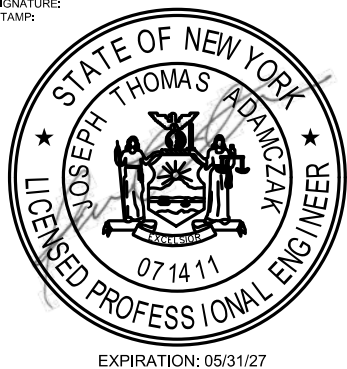
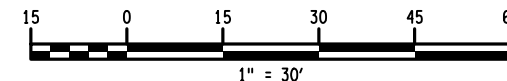
LEGEND

JOINT RECONSTRUCTION, SEE DWG. ST3-4 AND ST3-5



ELEVATION VIEW NOTES:

1. PEDESTRIAN FENCING NOT SHOWN FOR CLARITY.
2. EXISTING OVERHEAD SIGN NOT SHOWN FOR CLARITY.



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

**Thruway
Authority**

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)
TITLE OF DRAWING
BRIDGE PLAN
AND ELEVATION

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-1

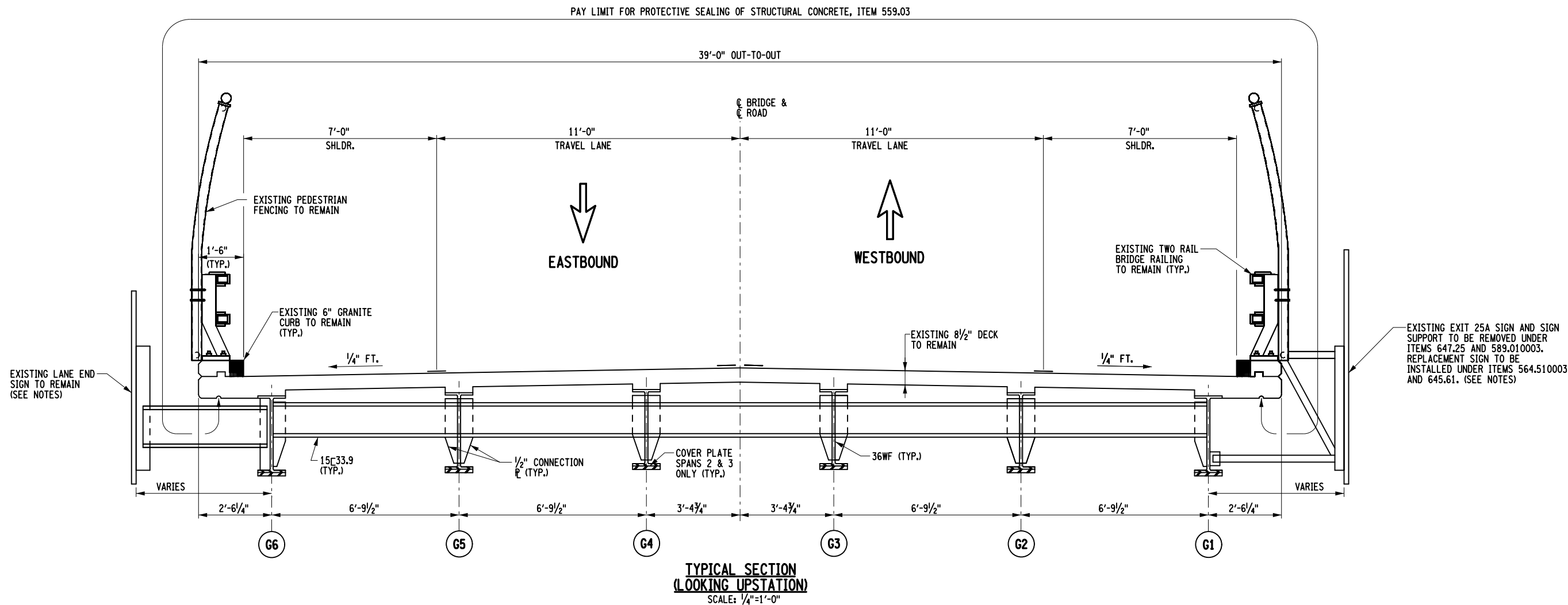
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



NOTES:

1. ALL STRUCTURAL STEEL TO BE PAINTED. TO BE PAID FOR UNDER ITEM 573.010002.
2. THE EXISTING WESTBOUND LANE ENDS SIGN SHALL REMAIN IN PLACE AND VISIBLE TO TRAFFIC DURING ALL WORK OPERATIONS. THE CONTRACTOR SHALL USE CAUTION TO PROTECT THE SIGN WHEN PERFORMING WORK. IF DAMAGES OCCUR, THEY SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
3. CONTRACTOR SHALL MAINTAIN TEMPORARY ADVANCED WARNING SIGNS FOR EASTBOUND EXIT 25A IN SUCH A MANNER THAT THE TRAVELING PUBLIC IS PROVIDED WITH ALL THE NECESSARY GUIDANCE INFORMATION AT ALL TIMES. TEMPORARY SIGN LOCATIONS AND SIGNING SHALL BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL OF THE EXISTING OVERHEAD SIGN. COST OF TEMPORARY SIGNING SHALL BE INCLUDED UNDER ITEM 619.01.
4. FOR SIGN REMOVAL AND REPLACEMENT DETAILS, SEE DWG. NO. ST3-7.

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
	LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
 Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING TYPICAL BRIDGE SECTION	DRAWING NUMBER: ST3-2

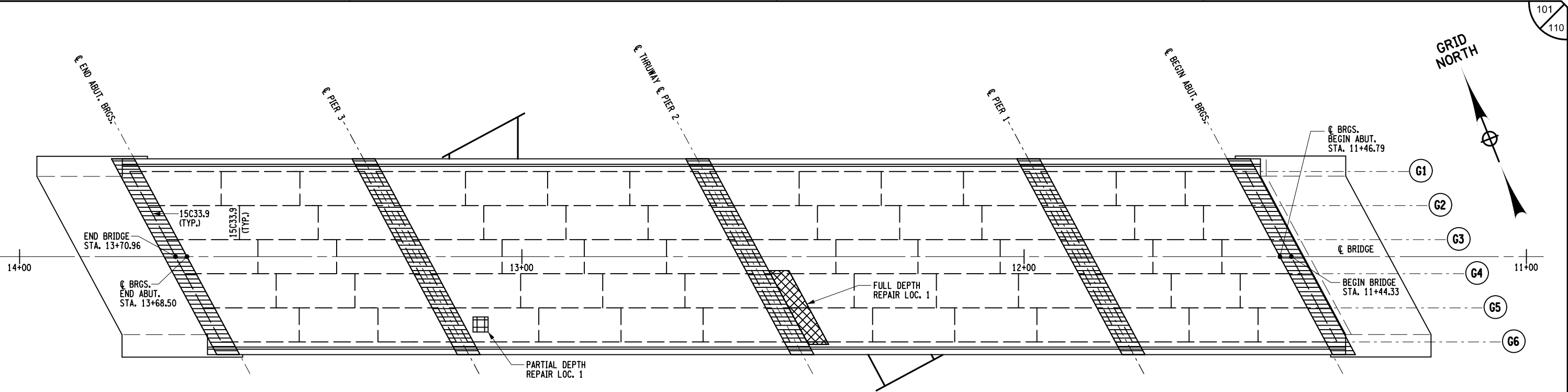
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



CONCRETE DECK REPAIR LOCATIONS PLAN
SCALE: 1"=20'-0"

DECK REPAIRS (ITEM 582.0051) TABLE				
REPAIR TYPE	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	APPROXIMATE DEPTH (FT)	AREA OF REPAIRS (CY)
Partial Depth 1	3.00	3.00	0.50	0.17
Full Depth 1	4.00	16.70	0.71	1.75
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				1.92

ALTERED ON:

AFFIXED ON:
09/30/2026

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



EXPIRATION: 05/31/27

LEGEND



PARTIAL DEPTH TOP SURFACE SPALLING PATCH REPAIR AREAS, SEE DWG. NO. CONC-1 AND CONC-2 FOR DETAILS



FULL DEPTH DECK REPAIR AREAS, SEE DWG. NO. CONC-1 AND CONC-2 FOR DETAILS



JOINT REPAIR AREAS, SEE DWG. NO. ST3-4 AND ST3-5 FOR DETAILS

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NOTES:

1. AFTER CONCRETE REPAIRS TO SUPERSTRUCTURES, ALL EXPOSED CONCRETE SUPERSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIAVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

DECK REPAIR PLAN

CONTRACT NUMBER:
TAA 26-19B

DATE:
08/26/2026

DRAWING NUMBER:
ST3-3

CHECKED BY: J. ADAMCZAK

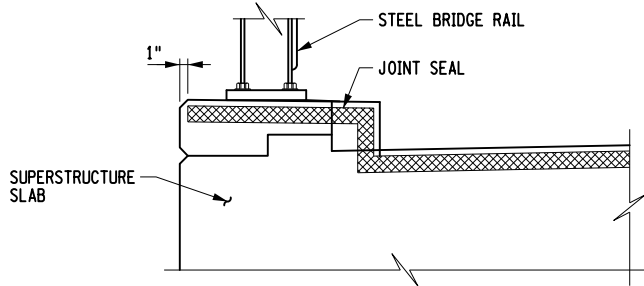
DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

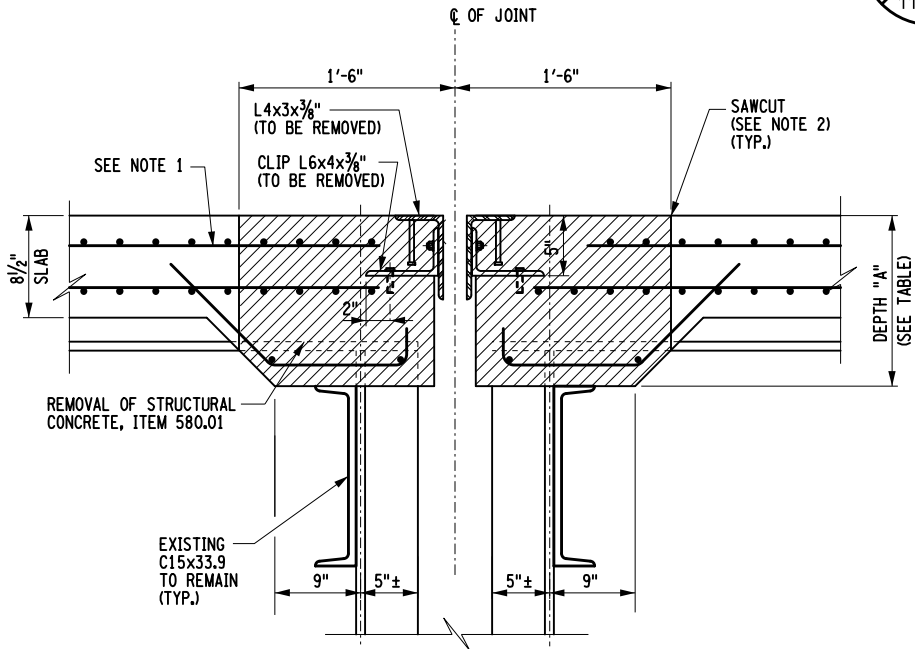
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

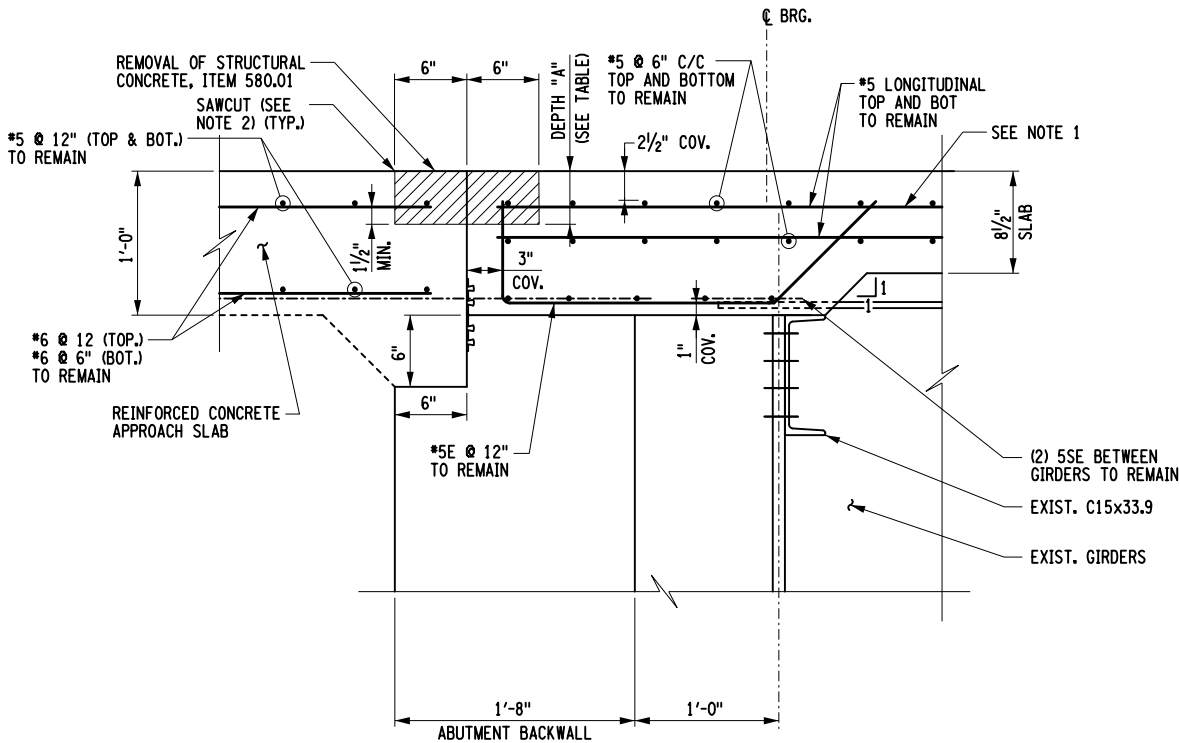
JOINT REMOVAL (ITEM 580.01) TABLE				
LOCATION	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	"A" APPROXIMATE DEPTH (FT)	VOLUME OF REMOVAL (CY)
BA Joint	42.15	1.00	0.42	0.65
Pier 1 Joint	42.15	3.00	1.25	5.85
Pier 2 Joint	42.15	1.00	1.00	1.56
Pier 3 Joint	42.15	3.00	1.25	5.85
EA Joint	42.15	1.00	0.42	0.65
TOTAL VOLUME OF REMOVAL OF CONCRETE, ITEM 580.01 (CY):				14.57



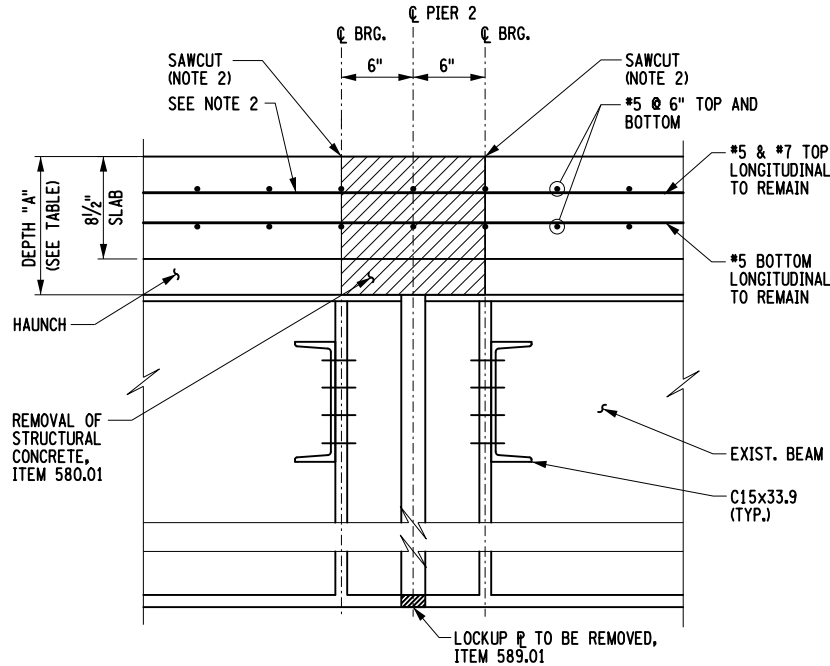
TYPICAL EXISTING
JOINT @ CURB
SCALE: NONE



EXISTING SECTION OF DECK
AT PIERS 1 & 3
SCALE: NONE



EXISTING SECTION
AT ABUTMENTS
SCALE: NONE



EXISTING SECTION OF DECK
AT PIER 2
SCALE: NONE

LEGEND

REMOVAL OF DECK SLAB, AND ALL MISCELLANEOUS FEATURES OF EXISTING JOINT SYSTEM, ITEM 580.01

NOTES:

- ALL EXISTING REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. COST INCLUDED UNDER ITEM 580.01.
- SAWCUT DEPTH SHALL BE TO 3/4" BELOW TOP SURFACE OF STRUCTURAL SLAB. COST INCLUDED UNDER ITEM 580.01.

ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

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80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIAVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

TITLE OF DRAWING
EXISTING
JOINT REPLACEMENT DETAILS

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-4

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

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	2
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 1/2
100	1 1/2
105	1 3/8
110	1 3/8

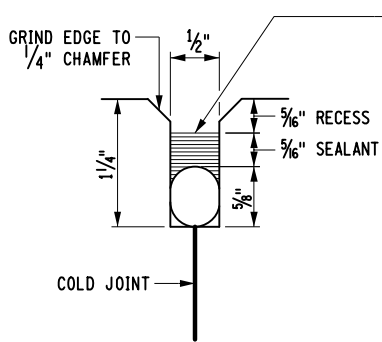
NOTES:
MIN. OPENING (IN.) = 1.375
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.75
TOTAL MOVEMENT (IN.) = 1.375

PIER 3:

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2
35	2
40	1 7/8
45	1 7/8
50	1 3/4
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 3/8
95	1 3/8
100	1 3/8
105	1 3/8
110	1 3/8

NOTES:
MIN. OPENING (IN.) = 1.375
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.5
TOTAL MOVEMENT (IN.) = 1.25

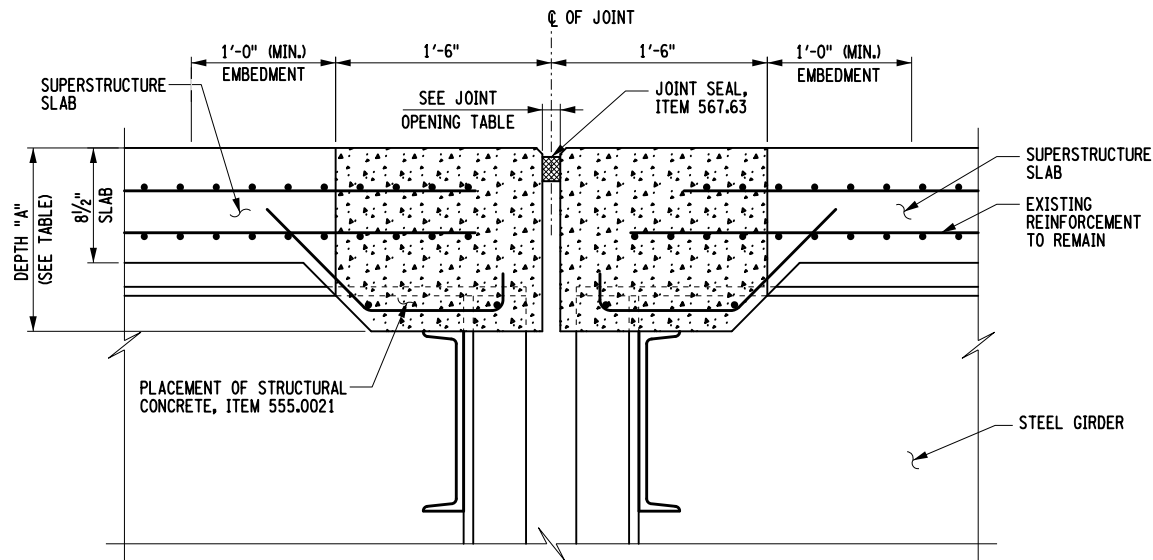
JOINT REPLACEMENT (ITEM 555.0021) TABLE				
LOCATION	APPROXIMATE LENGTH (FT)	APPROXIMATE WIDTH (FT)	"A" APPROXIMATE DEPTH (FT)	VOLUME OF PLACEMENT (CY)
BA Joint	42.15	1.00	0.42	0.65
Pier 1 Joint	42.15	3.00	1.25	5.85
Pier 2 Joint	42.15	1.00	1.00	1.56
Pier 3 Joint	42.15	3.00	1.25	5.85
EA Joint	42.15	1.00	0.42	0.65
TOTAL VOLUME OF PLACEMENT OF CONCRETE, ITEM 555.0021				14.57



FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, SILICONE SEALANT, FROM THE DEPARTMENT'S APPROVED LIST FOR ITEM 567.5100016. IF THE RECESS IS SAW CUT, WATER BLAST IMMEDIATELY FOLLOWING CUTTING TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES. CLEAN THE VERTICAL FACES OF THE RECESS BY ABRASIVE BLAST, AND AIR BLOW THE RESIDUE FROM THE RECESS. PRIME THE VERTICAL FACES WITH THE MANUFACTURER'S RECOMMENDED PRIMER, AND ALLOW TO DRY. PLACE A 3/8" DIA. SOFT CLOSED CELL BACKER ROD IN THE BOTTOM OF THE RECESS. POUR THE SILICONE SEALANT TO A DEPTH OF APPROX. 3/8". PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 567.63.

JOINT RECESS DETAIL

SCALE: NONE



TYPICAL PROPOSED ARMORLESS EXPANSION JOINT SECTION AT PIERS 1 & 3

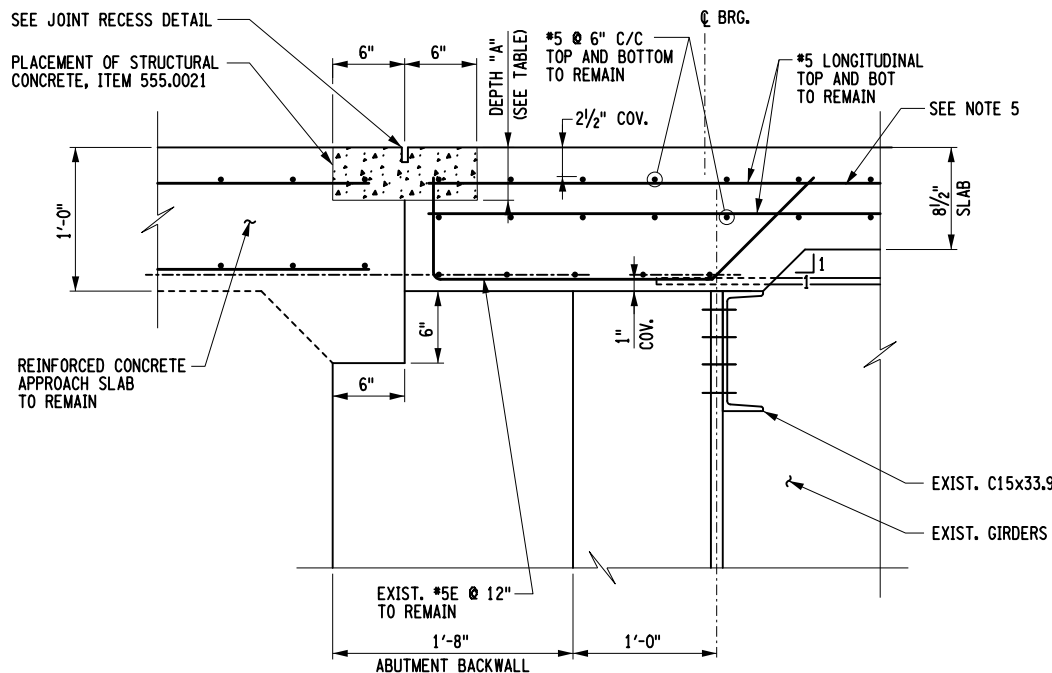
SCALE: NONE

LEGEND

 REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 555.0021

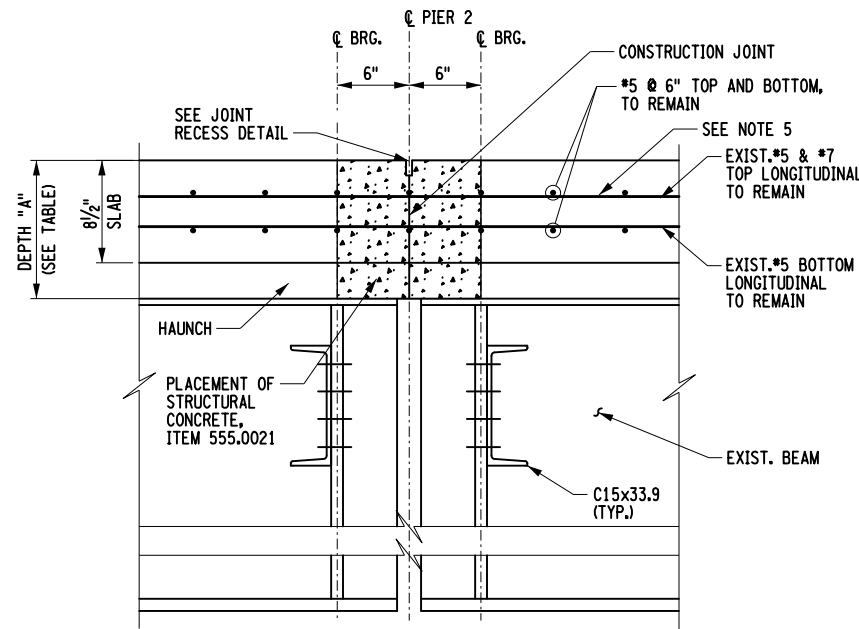
NOTES:

1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLE PROVIDED ON THIS DRAWING.
2. THE CONTRACTOR SHALL SUPPLY A JOINT SEAL WITH AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS "MIN. SEAL WIDTH" IN THE TABLE ABOVE. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURES COMPRESSION LIMITS AT THE "MINIMUM OPENING" NOTED IN THE TABLE.
3. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES, (OR) THE TEMPERATURE OF THE SIDE OF A PRESTRESSED BEAM NOT DIRECTLY IN SUNLIGHT. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.
4. ALL HEADER REINFORCEMENT SHALL HAVE A 2" MINIMUM COVER.
5. ALL EXISTING REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-302A. COST INCLUDED IN ITEM 580.01. EXISTING REINFORCEMENT IN NEED OF REPLACEMENT WILL BE PAID FOR UNDER ITEM 556.0202.
6. SAWCUT DEPTH SHALL BE TO 3/4" BELOW TOP SURFACE OF STRUCTURAL SLAB.



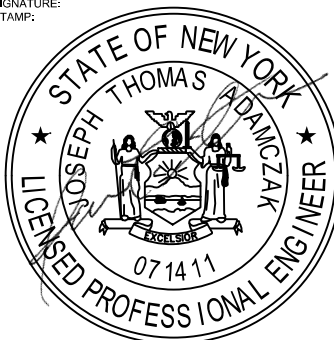
PROPOSED SECTION AT ABUTMENTS

SCALE: NONE



PROPOSED SECTION OF DECK AT PIER 2

SCALE: NONE

ALTERED ON:	AFFIXED ON: 10/07/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIAVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

TITLE OF DRAWING
PROPOSED
JOINT REPLACEMENT DETAILS

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-5

CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

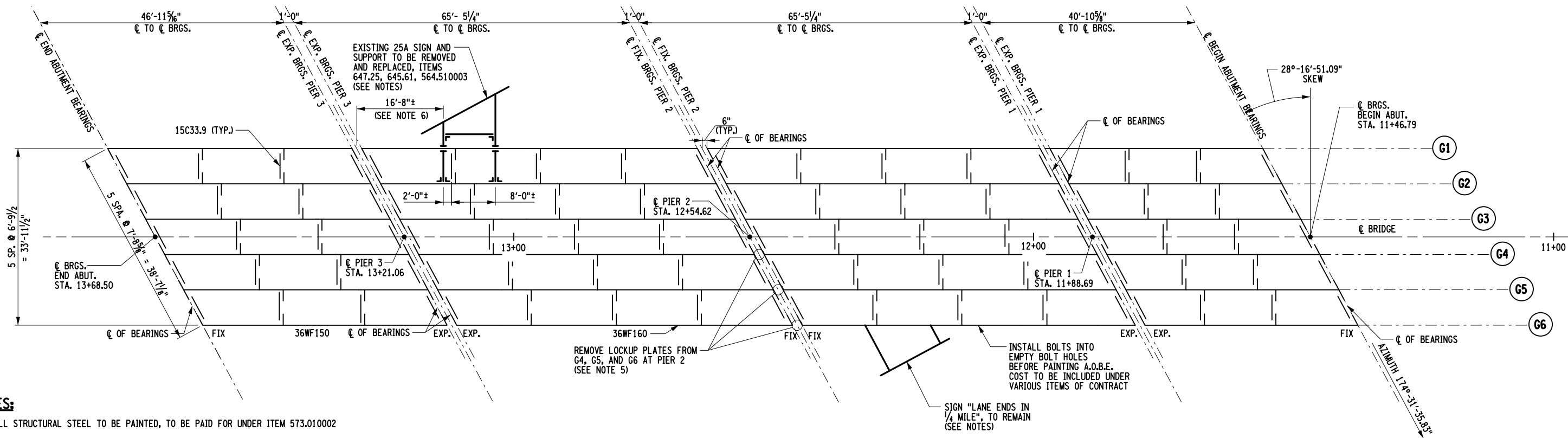
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

104
110

GRID
NORTH



NOTES:

1. ALL STRUCTURAL STEEL TO BE PAINTED, TO BE PAID FOR UNDER ITEM 573.010002
2. THE EXISTING WESTBOUND LANE ENDS SIGN SHALL REMAIN IN PLACE AND VISIBLE TO TRAFFIC DURING ALL WORK OPERATIONS. THE CONTRACTOR SHALL USE CAUTION TO PROTECT THE SIGN WHEN PERFORMING WORK. IF DAMAGES OCCUR, THEY SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
3. CONTRACTOR SHALL MAINTAIN TEMPORARY ADVANCED WARNING SIGNS FOR EASTBOUND EXIT 25A IN SUCH A MANNER THAT THE TRAVELING PUBLIC IS PROVIDED WITH ALL THE NECESSARY GUIDANCE INFORMATION AT ALL TIMES. TEMPORARY SIGN LOCATIONS AND SIGNING SHALL BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL OF THE EXISTING OVERHEAD SIGN. COST OF TEMPORARY SIGNING SHALL BE INCLUDED UNDER ITEM 619.01.
4. FOR SIGN REMOVAL AND REPLACEMENT DETAILS, SEE DWG. NO. ST3-7.
5. FOR LOCKUP PLATE LOCATION, SEE EXISTING DECK SECTION AT PIER 2 DETAIL, DWG. NO. ST3-4.
6. LOCATION OF PROPOSED SIGN TO BE CENTERED OVER THE TWO LANES AND VERIFIED IN FIELD BY THE ENGINEER. PROPOSED SIGN SHALL NOT INTERFERE WITH BOLT HOLES FOR EXISTING SIGN BRACKETS OR THE EXISTING DIAPHRAGMS BETWEEN THE FASCIA GIRDER AND FIRST INTERIOR GIRDER.

FRAMING PLAN
SCALE: NONE

ALTERED ON:	AFFIXED ON: 09/30/2026
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

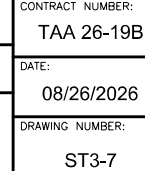
GPI

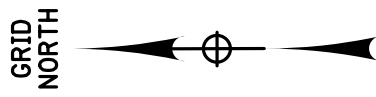
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIAVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

STEEL FRAMING PLAN

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-6





CHECKED BY: J. ADAMCZAK

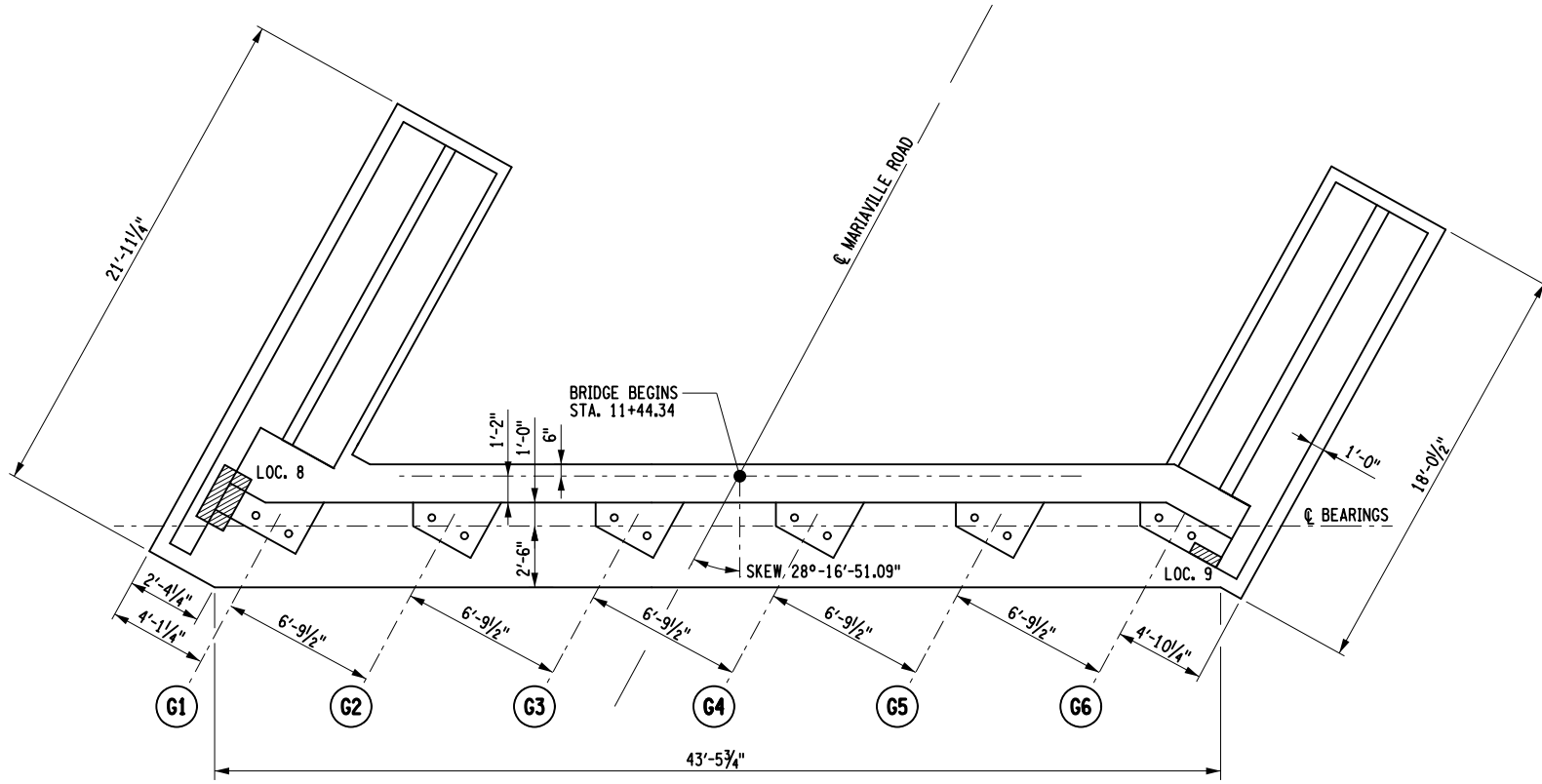
DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

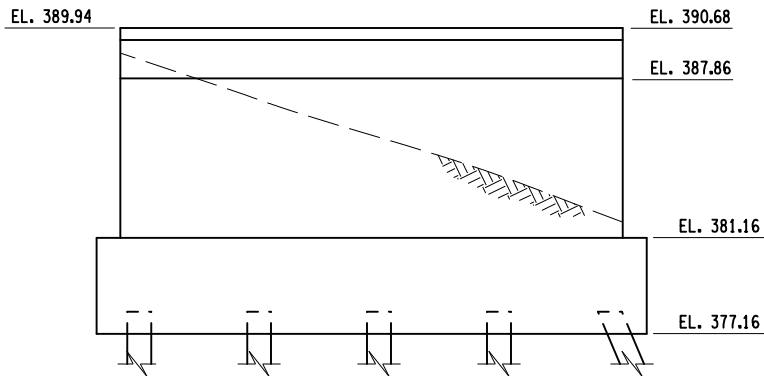
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK

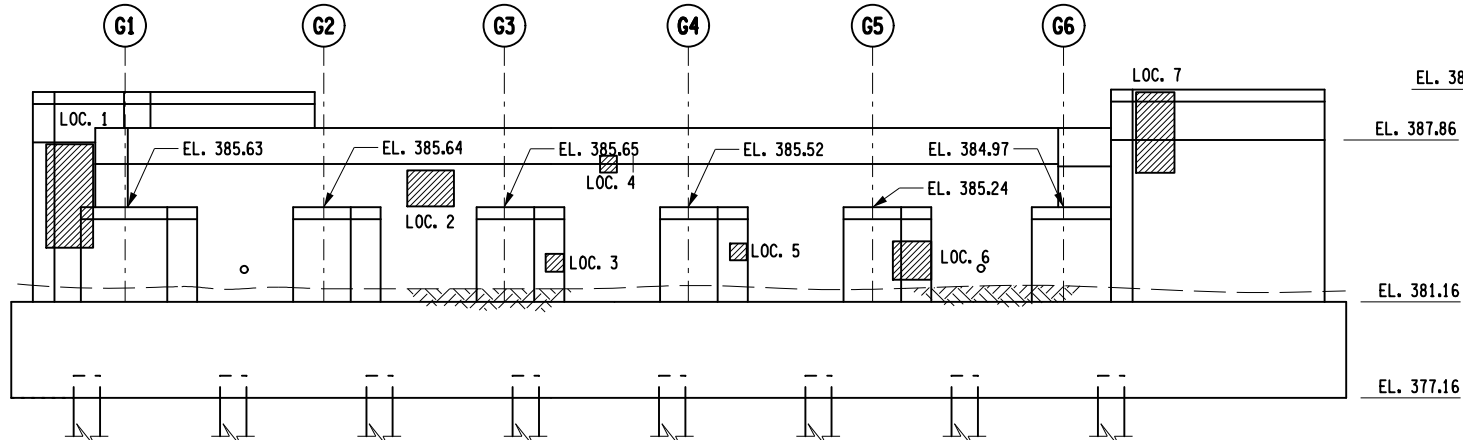
SUBSTRUCTURE REPAIRS TABLE - BEGIN ABUTMENT				
LOCATION	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT/WIDTH 2 (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
1	4.00	5.00	0.25	0.19
2	3.00	2.00	0.25	0.06
3	1.00	1.00	0.25	0.01
4	1.00	1.00	0.25	0.01
5	1.00	1.00	0.25	0.01
6	2.00	2.00	0.25	0.04
7	1.00	3.00	0.25	0.03
8	2.00	3.00	0.25	0.06
9	2.00	1.00	0.25	0.02
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.41



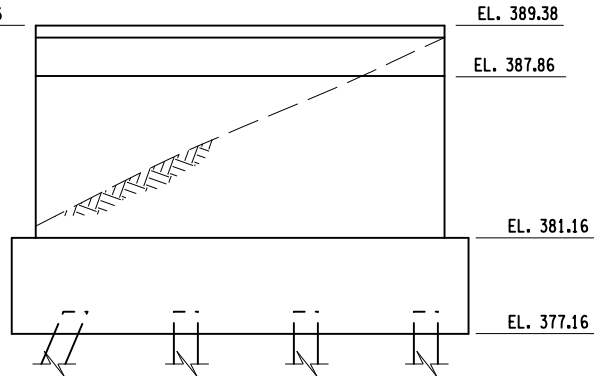
BEGIN ABUTMENT
SCALE: 1/8"=1'-0"



NORTH WINGWALL ELEVATION
SCALE: 1/8"=1'-0"



BEGIN ABUTMENT ELEVATION
SCALE: 1/8"=1'-0"



SOUTH WINGWALL ELEVATION
SCALE: 1/8"=1'-0"

NOTES:

- ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 AND CONC-1.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

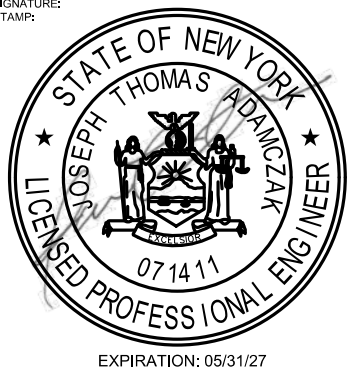


Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
BEGIN ABUTMENT

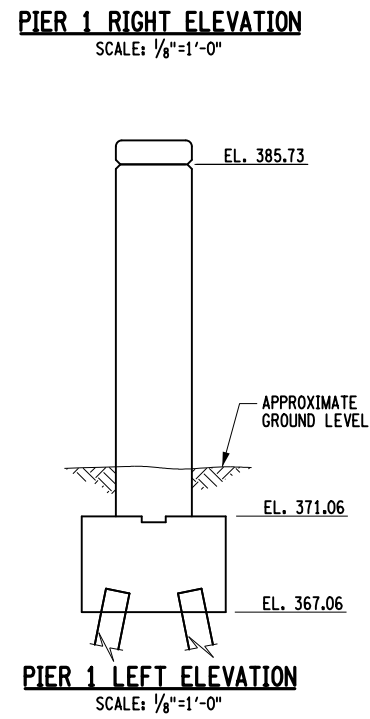
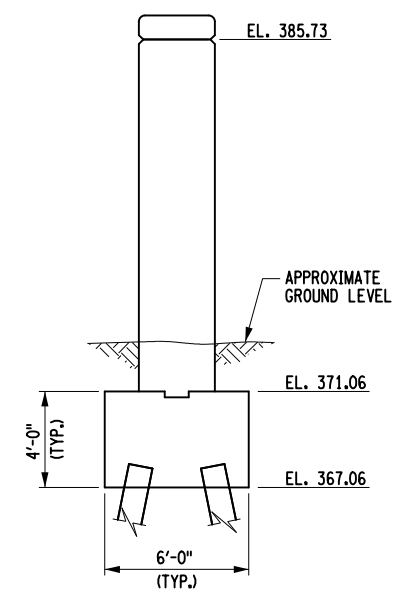
CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-8





NOTES:

1. NO PROPOSED WORK, DETAILS FOR INFORMATIONAL PURPOSES ONLY.
2. ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.



	Thruway Authority	TITLE OF PROJECT REHABILITATION OF VARIOUS THRUWAY BRIDGES MP 123.69, MP 139.54 & MP 159.23	CONTRACT NUMBER: TAA 26-19B
		LOCATION OF PROJECT MARIAVILLE ROAD BRIDGE MP 159.23 (BIN 1038760)	DATE: 08/26/2026
	Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 GPINET.COM	TITLE OF DRAWING SUBSTRUCTURE REPAIR PIER 1	DRAWING NUMBER: ST3-9

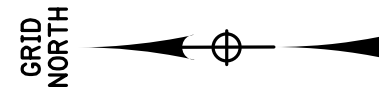
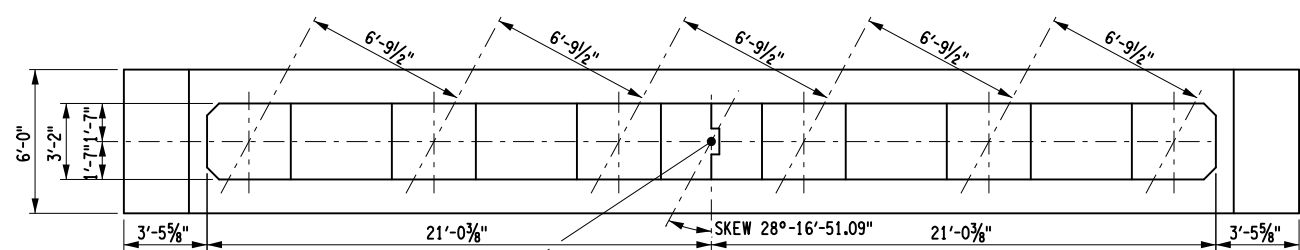
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CUOCCIO

CHECKED BY: J. LANDRY

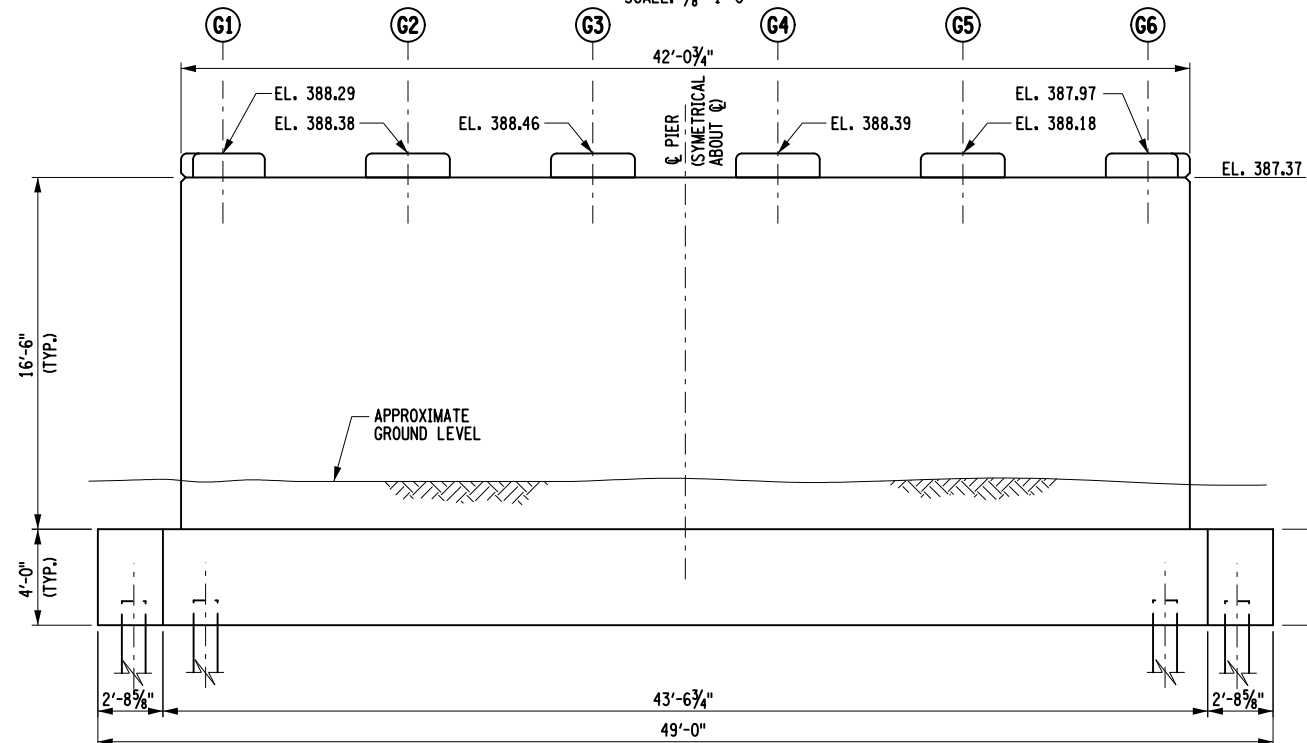
DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



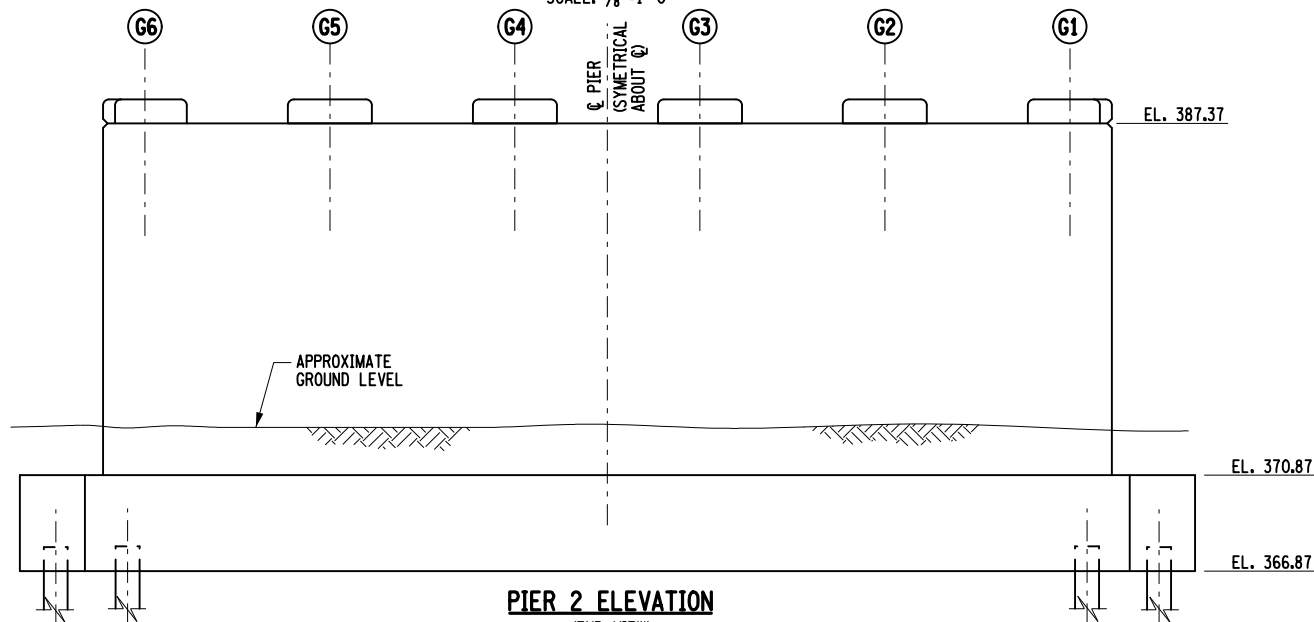
PIER 2 TOP OF PIER CAP

SCALE: 1/8"=1'-0"



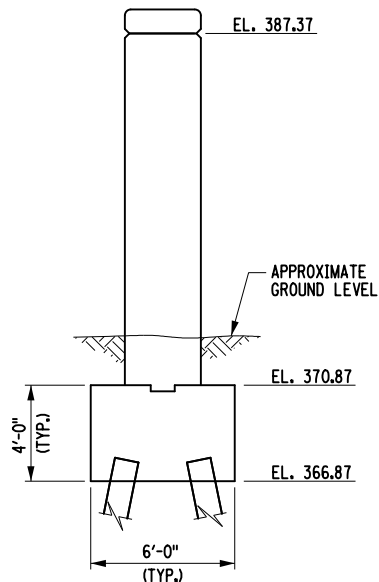
PIER 2 ELEVATION

(BEGIN VIEW)
SCALE: 1/8"=1'-0"



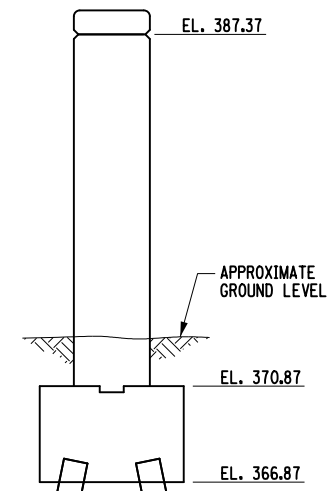
PIER 2 ELEVATION

(END VIEW)
SCALE: 1/8"=1'-0"



PIER 2 RIGHT ELEVATION

SCALE: 1/8"=1'-0"



PIER 2 LEFT ELEVATION

SCALE: 1/8"=1'-0"

SUBSTRUCTURE REPAIRS TABLE - PIER 2				
LOCATION	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT/WIDTH 2 (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
NO REPAIRS TO BE PERFORMED AT THIS LOCATION				0.00
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.00

NOTES:

1. NO PROPOSED WORK, DETAILS FOR INFORMATIONAL PURPOSES ONLY.
2. ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

ALTERED ON:	AFFIXED ON: 09/30/2026
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.



Thruway
Authority

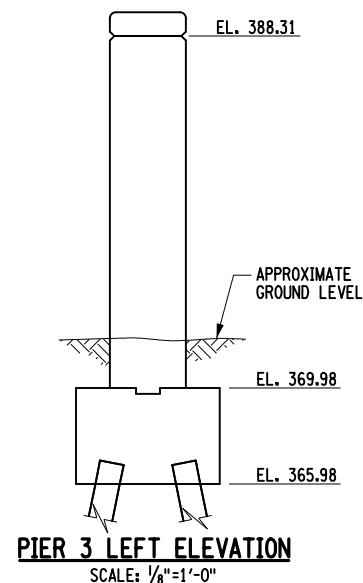
GPI

Greenman-Pedersen, Inc.
80 Wolf Road, Suite 600
Albany, NY 12205
518.453.9431 GPINET.COM

TITLE OF PROJECT
REHABILITATION OF VARIOUS THRUWAY
BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
PIER 2

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-10



CONTRACT NUMBER:	TAA 26-19B
DATE:	08/26/2026
DRAWING NUMBER:	ST3-11

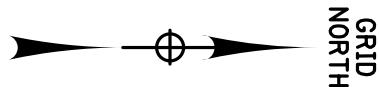
CHECKED BY: J. ADAMCZAK

DRAFTED BY: F. CIUCCIO

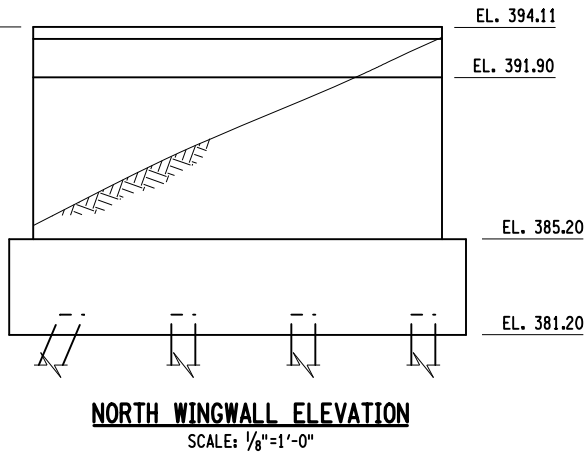
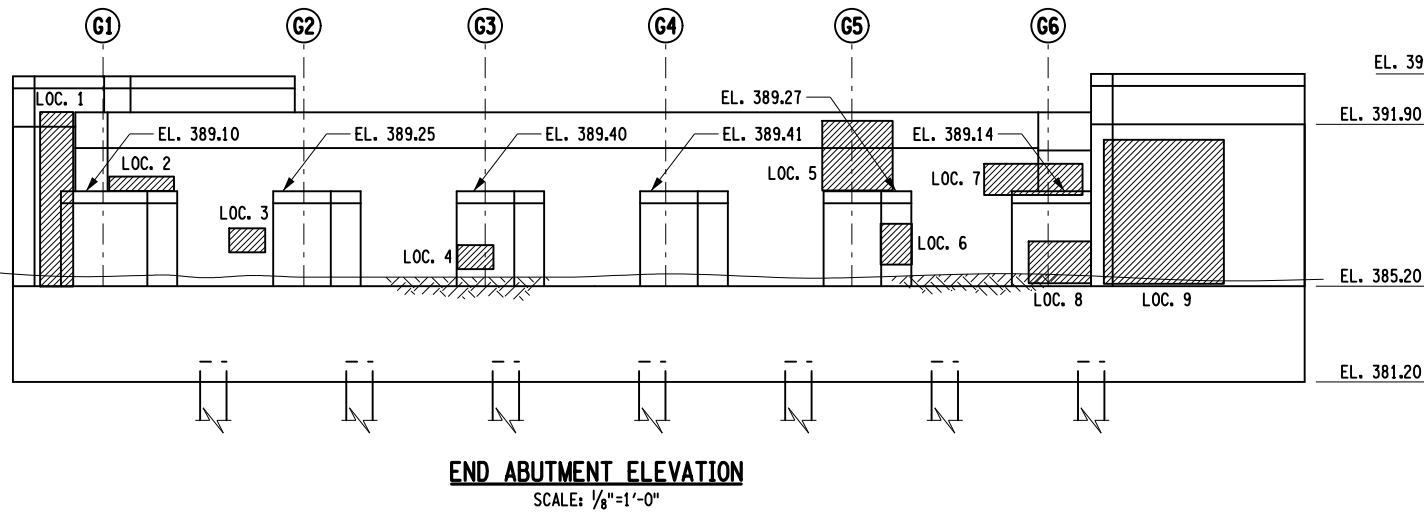
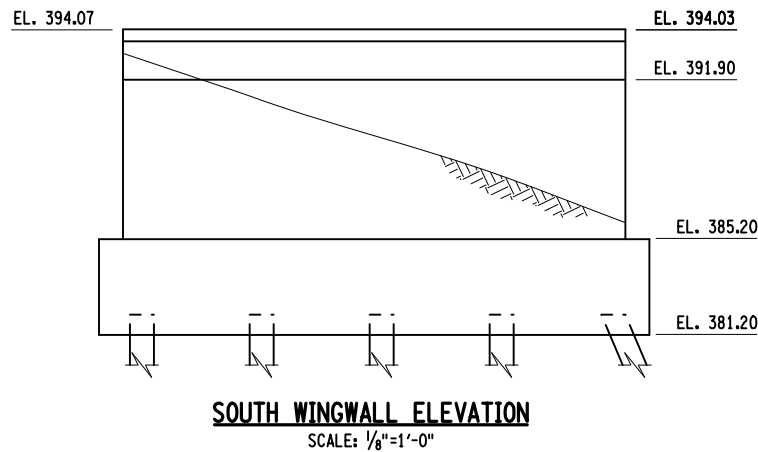
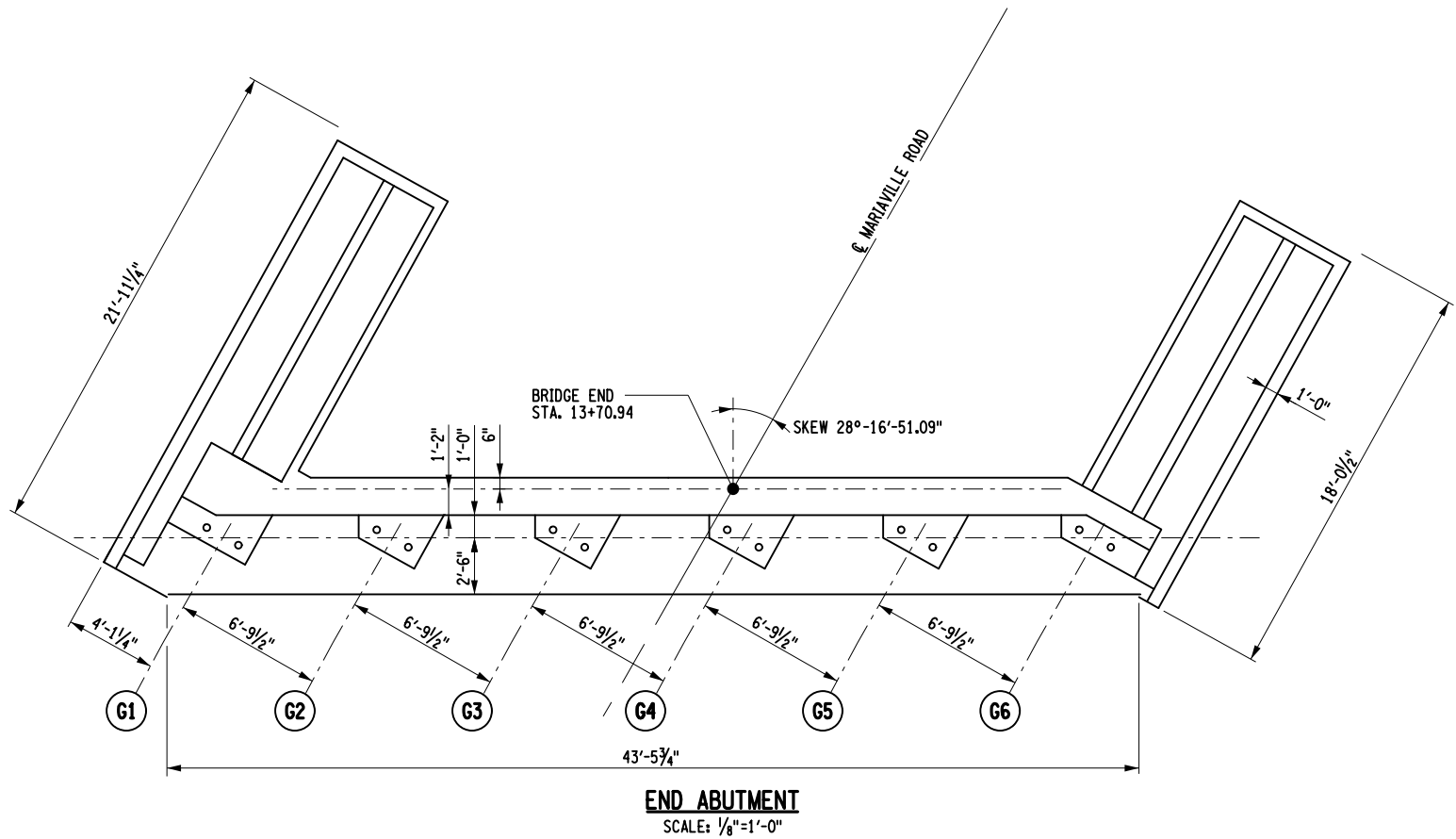
CHECKED BY: J. LANDRY

DESIGNED BY: N. PATTERSON

DESIGN SUPERVISOR: J. ADAMCZAK



SUBSTRUCTURE REPAIRS TABLE - END ABUTMENT				
LOCATION	APPROXIMATE WIDTH (FT)	APPROXIMATE HEIGHT/WIDTH 2 (FT)	APPROXIMATE DEPTH (FT)	VOLUME OF REPAIR (CY)
1	2.00	6.00	0.25	0.11
2	3.00	1.00	0.25	0.03
3	2.00	1.00	0.25	0.02
4	2.00	1.00	0.25	0.02
5	3.00	3.00	0.25	0.08
6	2.00	2.00	0.25	0.04
7	5.00	2.00	0.25	0.09
8	3.00	2.00	0.25	0.06
9	5.00	6.00	0.25	0.28
TOTAL VOLUME OF REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE, ITEM 582.0051 (CY):				0.72



NOTES:

- ALL CONCRETE REPAIR SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON DWG. NO. CONC-1 AND CONC-2.
- AFTER CONCRETE REPAIRS TO SUBSTRUCTURES, ALL EXPOSED CONCRETE SUBSTRUCTURE SURFACES SHALL BE CLEANED AND SEALED UNDER ITEM 559.03 - PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE.

LEGEND

ITEM 582.0051, REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority



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TITLE OF PROJECT
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BRIDGES MP 123.69, MP 139.54 & MP 159.23
LOCATION OF PROJECT
MARIVILLE ROAD BRIDGE
MP 159.23 (BIN 1038760)

TITLE OF DRAWING
SUBSTRUCTURE REPAIR
END ABUTMENT

CONTRACT NUMBER:
TAA 26-19B
DATE:
08/26/2026
DRAWING NUMBER:
ST3-12

