

NEW YORK AND ALBANY DIVISIONS
PLANS FOR THE
INSTALLATION OF PROTECTIVE SCREENING
ON 16 BRIDGES AT

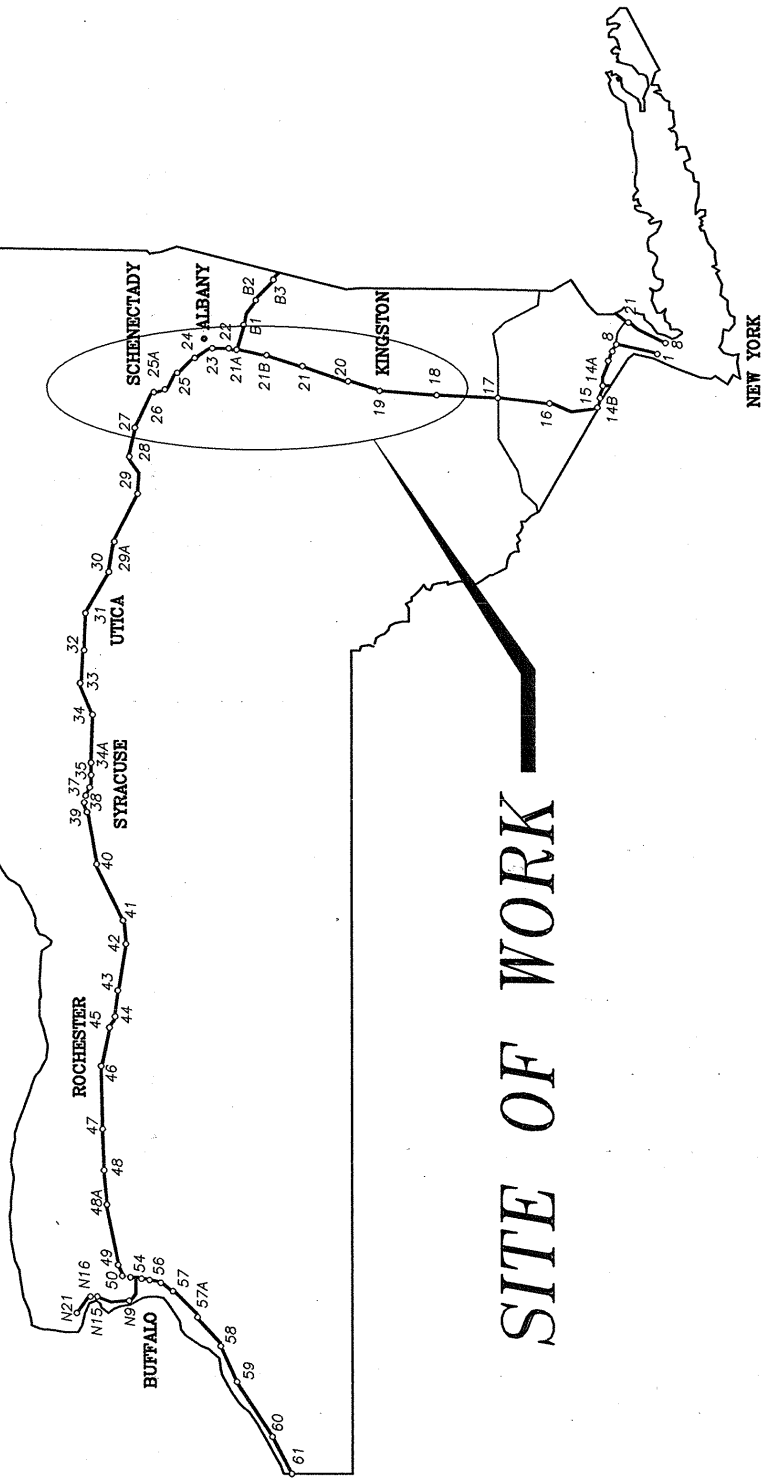
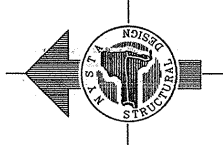
M.P. 74.17	BIN 5515380	M.P. 104.04	BIN 5515600	M.P. 158.93	BIN 7513690
M.P. 78.65	BIN 5515400	M.P. 105.34	BIN 5515610	M.P. 161.04	BIN 5513720
M.P. 82.71	BIN 5515410	M.P. 123.69	BIN 1053550	M.P. 169.70	BIN 5515780
M.P. 95.27	BIN 5515540	M.P. 135.42	BIN 5513500	M.P. 175.12	BIN 5515840
M.P. 96.56	BIN 5515550	M.P. 136.70	BIN 5513520		
M.P. 103.16	BIN 5515590	M.P. 158.54	BIN 1004170		

ULSTER, GREENE, ALBANY, SCHENECTADY AND MONTGOMERY COUNTIES

13 SHEETS

TA 00-70F

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12	TRAFFIC CONTROL AT INTERCHANGES, SERVICE AREAS & PARKING AREAS
13	THRUWAY TRAFFIC PLANS FOR MISCELLANEOUS OPERATIONS



CONTRACTOR'S NAME: ROGERS FENCE CO., INC.	
AWARD DATE: MAY 1, 2001	
COMPLETION DATE: NOV 9, 2001	
FINAL ACCEPTANCE DATE: FEB 5, 2002	
INSPECTION FIRM'S NAME: GREENMAN-ROSEN	
RESIDENT ENG./E.C. BEANARD G. WILLIAMS	
FINAL COST TOTAL: \$428,008.30	
FISCAL SHARE	COST(S)
1	\$ 428,008.30



PROJECT ENGINEER

M. J. J. J.

RECOMMENDED BY: Christopher A. White
DIRECTOR, OFFICE OF FACILITIES DESIGN

DATE: 8/31/00

RECOMMENDED BY: H. J. J. J.
DIRECTOR, OFFICE OF TRAFFIC ENGINEERING

DATE: 8/31/00

RECOMMENDED BY: J. J. J. J.
DIRECTOR, OFFICE OF CONTRACTS AND CONSTRUCTION MANAGEMENT

DATE: 8/31/00

APPROVED BY: J. J. J. J.
DIRECTOR OF ENGINEERING SERVICES

DATE: 8/31/00

TYPE OF CONSTRUCTION:

INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES.
PAINT BRIDGE RAILING ON 5 BRIDGES BEFORE INSTALLING
THE PROTECTIVE SCREENING.

STANDARD SHEETS:

NONE

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE GOVERNED BY
AND IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF
TRANSPORTATIONS "STANDARD SPECIFICATIONS METRIC" ADOPTED JANUARY 2,
1995 INCLUDING ADDENDA NO. 1 AND NO. 2 EXCEPT AS MODIFIED IN
THESE PLANS AND BY THE PROPOSAL.

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:
MD 98-3, "COMPREHENSIVE BRIDGE MANAGEMENT PROGRAM", MD 95-5,
"BRIDGE INSPECTION PROGRAM" AND MD 98-6, "BRIDGE MANAGEMENT
ACTIVITIES".

SPECIAL MAINTENANCE REQUIREMENTS: NONE

NOTES:

WARNING: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR
ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THESE PLANS IN ANY
MANNER. ALTERATIONS TO THESE PLANS ARE REQUIRED. THE ALTERATIONS
SHALL BE MAINTAINED IN ACCORDANCE WITH ARTICLE 145 - SUBSECTION 7209
OF THE NEW YORK STATE EDUCATION LAW.

SIGNATURES HEREON HAVE BEEN AFFIXED BY PERSONS ACTING IN
THEIR OFFICIAL CAPACITY AS INDICATED.

ALL PROTECTIVE SCREENING AND APPURTENANCES INSTALLED UNDER
THIS CONTRACT SHALL BE MAINTAINED BY THE NEW YORK STATE
DEPARTMENT OF TRANSPORTATION OR OTHERS AS LISTED BELOW.

MAINTENANCE BY THE NYSOTI

M.P. 123.69
M.P. 158.54

MAINTENANCE BY OTHERS

M.P. 74.17 - TOWN OF NEW PALTZ
M.P. 78.65 - TOWN OF NEW PALTZ
M.P. 82.71 - TOWN OF ROSENDALE
M.P. 95.27 - ULSTER COUNTY
M.P. 96.56 - TOWN OF ULSTER
M.P. 103.16 - ULSTER COUNTY
M.P. 104.04 - TOWN OF SAUGERTIES
M.P. 105.34 - TOWN OF SAUGERTIES
M.P. 135.42 - TOWN OF BETHLEHEM
M.P. 136.70 - TOWN OF BETHLEHEM
M.P. 158.93 - D AND H RAILROAD
M.P. 161.04 - SCHENECTADY COUNTY
M.P. 169.70 - MONTGOMERY COUNTY
M.P. 175.12 - MONTGOMERY COUNTY

GENERAL NOTES

GENERAL NOTES

1. DESIGN SPECIFICATIONS: CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES WITH ALL INTERIM SPECIFICATIONS AND MODIFICATIONS AND 1981 NEW YORK STATE STEEL CONSTRUCTION MANUAL INCLUDING CURRENT ADDITIONS AND MODIFICATIONS, EXCEPT AS MODIFIED BY THE NEW YORK STATE THRUWAY AUTHORITY STRUCTURES DESIGN MANUAL - SECOND EDITION.
2. MATERIAL AND CONSTRUCTION SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 1995 INCLUDING ADDENDA NOTED ON THE PROPOSAL COVER.
3. RECORD PLANS: RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE FOR REVIEW BY ALL PROSPECTIVE BIDDERS AT THE AUTHORITY HEADQUARTERS IN ALBANY PRIOR TO THE LETTING DATE. REFER TO CONTRACTS CT 53-9, TA 90-76B, CT 53-10, FACT 50-1, TAA 91-10B, CT 48-1, TAA 81-2B, CT 52-7, D253419, CT 52-8P, TAA 87-1B, TAA 90-14B, D96243, MT 53-9, MT 53-3, TAA 92-40B, CT 52-23 AND TAA 91-2B.
4. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES.

RECONSTRUCTION NOTES

5. THE CONTRACTOR SHALL EXAMINE AND VERIFY, IN THE FIELD, ALL CONDITIONS AND DIMENSIONS. DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION OR SUBSEQUENT REHABILITATION DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. IF THE FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REFERENCE OF THE REVIEWER.
6. THERE SHALL BE NO CLAIM AGAINST THE AUTHORITY MADE BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS, AS MAY BE REQUIRED, DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS. THE CONTRACTOR WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS IN THE CONTRACT.
7. THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES, WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR, AS ORDERED BY THE ENGINEER, AND PAYMENT SHALL BE MADE AT THE BID PRICE FOR THE APPROPRIATE ITEMS.

8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THAT FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
 9. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING FACILITY CAUSED BY HIS OPERATIONS AND SHALL REPAIR ALL DAMAGE WITHOUT COST TO THE AUTHORITY, AND TO THE SATISFACTION OF THE ENGINEER.
 10. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
 11. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS AND OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE APPROPRIATE ITEMS.
- ## SUPERSTRUCTURE NOTES
2. WELDING SHALL CONFORM TO THE 1981 NEW YORK STATE STEEL CONSTRUCTION MANUAL, INCLUDING ALL ADDENDA UNLESS OTHERWISE NOTED.

SUPERSTRUCTURE NOTES

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

13. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE COMPLIED WITH THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH "THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE CONTRACT DOCUMENTS.
14. DISTANCES SHOWN ARE APPROXIMATE ONLY AND MAY BE REVISED BY THE ENGINEER-IN-CHARGE TO MEET FIELD CONDITIONS (DRIVEWAYS, HIGHWAY ALIGNMENT, ETC.).
15. THE SIGNING SHOWN IS A MINIMUM ONLY. ADDITIONAL SIGNING MAY BE REQUIRED TO MEET TRAFFIC AND/OR FIELD CONDITIONS.
16. DURING NON-WORKING HOURS, ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AT LEAST 9.144 m FROM THE EDGE OF THE PAVEMENT OR BE BEYOND THE DEFLECTION DISTANCE OF A GUIDE RAIL SYSTEM APPROVED BY THE ENGINEER.
17. ALL PRIVATE VEHICLES SHALL BE PARKED OUTSIDE THE WORK ZONE AND OFF THE TRAVELED WAY, OR IN A SIMILAR MANNER AS DESCRIBED IN NOTE 16.

MISCELLANEOUS NOTES

18. THE CONTRACTOR SHALL REMOVE THE EXISTING SNOW FENCE MOUNTED TO THE BRIDGE RAIL AT M.P. 123.69 ROUTE 9W. ALL MATERIAL SHALL BE DELIVERED TO THE D.O.T. ALBANY-RENSSELAIR AT THE INTERSECTION OF NY-155 & RT. 86A, ALBANY-RENSSELAIR, NY-12486. CONTRACTOR SHALL SELL-ORDER AT 5:00 P.M. TO COORDINATE THE DELIVERY OF THE MATERIALS. GREENE RESIDENCY AT RTE. 23, CATARAUGUS, NY 12413.
19. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
20. IT WILL BE THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO USE METHODS AND EQUIPMENT WHICH WILL INSURE THE SATISFACTORY COMPLETION OF THE REQUIRED WORK.
21. PROTECTION OF THE PUBLIC: THE CONTRACTOR SHALL MAINTAIN AND PROTECT AUTHORITY TRAFFIC IN ACCORDANCE WITH ITEM 619.01M, THE TRAFFIC CONTROL SHEETS AND PERTINENT PROVISIONS OF THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1983 EDITION. THE CONTRACTOR'S INTENTION IS OBJECTED TO THE REQUIREMENTS OF SECTION 107 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE STANDARD SPECIFICATIONS DATED JANUARY 2, 1995 INCLUDING CURRENT ADDITIONS AND MODIFICATIONS.
22. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OVER THRUWAY TRAFFIC UNTIL THE E.I.C. IS SATISFIED THAT NO EQUIPMENT, TOOLS, MATERIALS OR DEBRIS CAN FALL TO THE ROADWAY BELOW. THE E.I.C. SHALL APPROVE ALL POSITIVE PROTECTION PROCEDURES TAKING PLACE OVER LIVE TRAFFIC BEFORE THE CONTRACTOR BEGINS

RAILROAD NOTES

23. SEE THE PROPOSAL FOR ADDITIONAL INFORMATION REQUIRED FOR THE CONTRACTORS "RAILROAD PROTECTIVE LIABILITY POLICY".
24. THE CONTRACTOR'S EQUIPMENT OR MATERIALS SHALL NOT BE STORED ON THE RAILROAD'S RIGHT-OF-WAY.

ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	ESTIMATE	FINAL
570.090101M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090102M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090103M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090104M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090105M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
25570.789101M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789102M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789103M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789104M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789105M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.927501M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927502M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927503M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927504M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927505M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25607.0611M	PROTECT. SCREENING -- BRIDGES	M	2352	2 3 58.52
25607.2536M	REMOVE AND STORE EXISTING SNOW FENCE	M	86	86
619.01M	BASIC MAINTENANCE & PROTECTION OF TRAFFIC	L.S.	NEC.	
619.02M	CONSTRUCTION SIGNS	L.S.	NEC.	
619.0303M	FLASHING ARROW BOARDS	L.S.	NEC	
25697.01M	INTERIM PAYMENTS	D-C	0.0	
25699.04M	MOBILIZATION	L.S.	NEC.	

WORK TO BE DONE

1. INSTALL PROTECTIVE SCREENING ON SIXTEEN BRIDGES OVER THE THRUWAY AS NOTED.
2. HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL ON FIVE BRIDGES PRIOR TO INSTALLING PROTECTIVE SCREENING.
3. REMOVE AND STORE EXISTING SNOW FENCE ON BRIDGE AT M.P. 123.69

[illegible]

TABLE OF LANE, SHOULDER & SIDEWALK WIDTHS; LENGTHS OF EXISTING RAILING

CONTACT	B.I.N	M.P.	FEATURE	WIDTH OF LANES	WIDTH OF SIDEWALKS	C.R.	RAILING PAINT ITEMS	TYPE OF EXISTING RAILING	TOTAL LENGTH (METERS)	LOCATION OF EXPANSION BEARINGS
TOWN OF NEW PALTZ	5515380	74.17	BROOKSIDE ROAD	3.962 m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING	135	BOTH ABUTMENTS PIERS 1 & 2
TOWN OF NEW PALTZ	5515400	78.65	HORSENDEN ROAD	~~3.658~~ 3.962 m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING	202	PIERS 1, 3 & 5
TOWN OF ROSENDALE	5515410	82.71	GRIST MILL ROAD	~~3.658~~ 3.962 m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING	130	PIERS 1, 2 & 3
ULSTER COUNTY	5515540	95.27	SAWKILL RUBY ROAD C.R. 90	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	177	PIERS 1 & 3
TOWN OF ULSTER	5515550	96.56	SHEEHAN LANE	~~3.658~~ 3.962 m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING W/ THRIE BEAM	141	WEST ABUTMENT PIERS 1 & 3
ULSTER COUNTY	5515590	103.16	MALDEN ROAD C.R. 89	4.267 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	132	BOTH ABUTMENTS PIERS 1 & 3
TOWN OF SAUGERTIES	5515600	104.04	LAUREN TICE ROAD	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	129	BOTH ABUTMENTS PIERS 1 & 3
TOWN OF SAUGERTIES	5515610	105.34	WEST CAMP ROAD	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	129	BOTH ABUTMENTS PIERS 1 & 3
NEW YORK STATE	1053550	123.69	COXSACKIE-RAVENA RT. 9W	~~7.010~~ 3.353 m	NONE	N	NONE	2-RAIL STEEL RAILING W/ SNOW FENCE	~~183~~ 192	PIERS 1 & 3
TOWN OF BETHLEHEM	5513500	135.42	BEAVER DAM ROAD	3.353 m	NONE	N	NONE	2-RAIL STEEL RAILING	144	PIERS 1 & 3
TOWN OF BETHLEHEM	5513520	136.70	CLAPPER ROAD	3.962 m	NONE	N	NONE	2-RAIL STEEL RAILING	~~125~~ 134	PIERS 1 & 3
NEW YORK STATE	1004170	158.54	SCHENECTADY - DUANESBURG RD. RT.-7	4.267 m	NONE	Y	NONE	2-RAIL STEEL RAILING	153	BOTH ABUTMENTS
D & H RAILROAD	7513690	158.93	D & H RAILROAD	NA	NONE	N	NONE	NO RAILING	144	BOTH ABUTMENTS AND PIER 2
SCHENECTADY COUNTY	5513720	161.04	GORDON ROAD C.R. 32R	4.267 m	NONE	N	NONE	2-RAIL STEEL RAILING	147	PIERS 1, 2 & 3
MONTGOMERY COUNTY	5515780	169.70	BULLS HEAD ROAD C.R. 23	4.267 m	NONE	N	NONE	2-RAIL STEEL RAILING	~~122~~ 142	PIERS 1 & 3
MONTGOMERY COUNTY	5515840	175.12	SNOOKS CORNERS RD C.R. 22	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	159	EAST ABUTMENT PIERS 1, 2 & 3

NOTES

- INFORMATION SHOWN IN TABLE IS FROM RECORD PLANS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CHANGE IF NECESSARY.
- THE BRIDGE AT M.P. 96.56 HAS A THREE-BEAM UPGRADE ATTACHED TO THE FOUR-RAIL BRIDGE RAILING. THE CONTRACTOR SHALL VERIFY THAT THE EXISTING THRIE-BEAM BOLTS WILL NOT INTERFERE WITH THE INSTALLATION OF THE PROTECTIVE SCREENING BEFORE ORDERING THE MATERIALS. ADJUSTMENTS TO THE SIZE OF THE NEW BASEPLATES MAY BE NECESSARY.
- THE CONTRACTOR SHALL REMOVE THE EXISTING SNOW FENCE MOUNTED TO THE BRIDGE RAIL AT M.P. 123.69 ROUTE 9W. ALL MATERIAL SHALL BE DELIVERED TO THE D.O.T. ALBANY RESIDENCE AT THE INTERSECTION OF RT. 189 & RT. 98A-VOORHEESVILLE, NY 12106. GREENE RESIDENCY, AT ROUTE 23, CAIRO, NY 12113.



CONTRACT NUMBER:
TA 00-70F
DATE:
10/00
DRAWING NUMBER:
411

TABLE OF EXISTING
BRIDGE RAILING

TITLE OF DRAWING
M.P. 74.17 TO M.P. 175.12

LOCATION OF PROJECT
ON 16 BRIDGES OVER THE THRUWAY

TITLE OF PROJECT
INSTALLATION OF PROTECTIVE SCREENING
ON 16 BRIDGES OVER THE THRUWAY

200 SOUTHERN BLVD., ALBANY, N.Y. 12209

DEPARTMENT OF ENGINEERING AND MAINTENANCE

NEW YORK STATE THRUWAY AUTHORITY

REVISIONS

DATE	DESCRIPTION	BY	SYM.
11/1/01	FIELD MEASUREMENT	CM	Δ
1/6/02	ADDRESS CHANGE	CM	Δ



as-built
Revisions

DATE	DESCRIPTION	BY	STN.
7/6/01	BRACKET SUBSTITUTION	CM	
11/9/01	SURFCESED ITEM	CM	
7/6/01	NOTE	CM	

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
INSTALLATION OF PROTECTIVE SCREENING
ON 16 BRIDGES OVER THE THRUWAY

LOCATION OF PROJECT
M.P. 74.17 TO M.P. 175.12

TITLE OF DRAWING
PROTECTIVE SCREENING ON
2-RAIL STEEL BRIDGE RAIL

CONTRACT NUMBER:
TA 00-70F

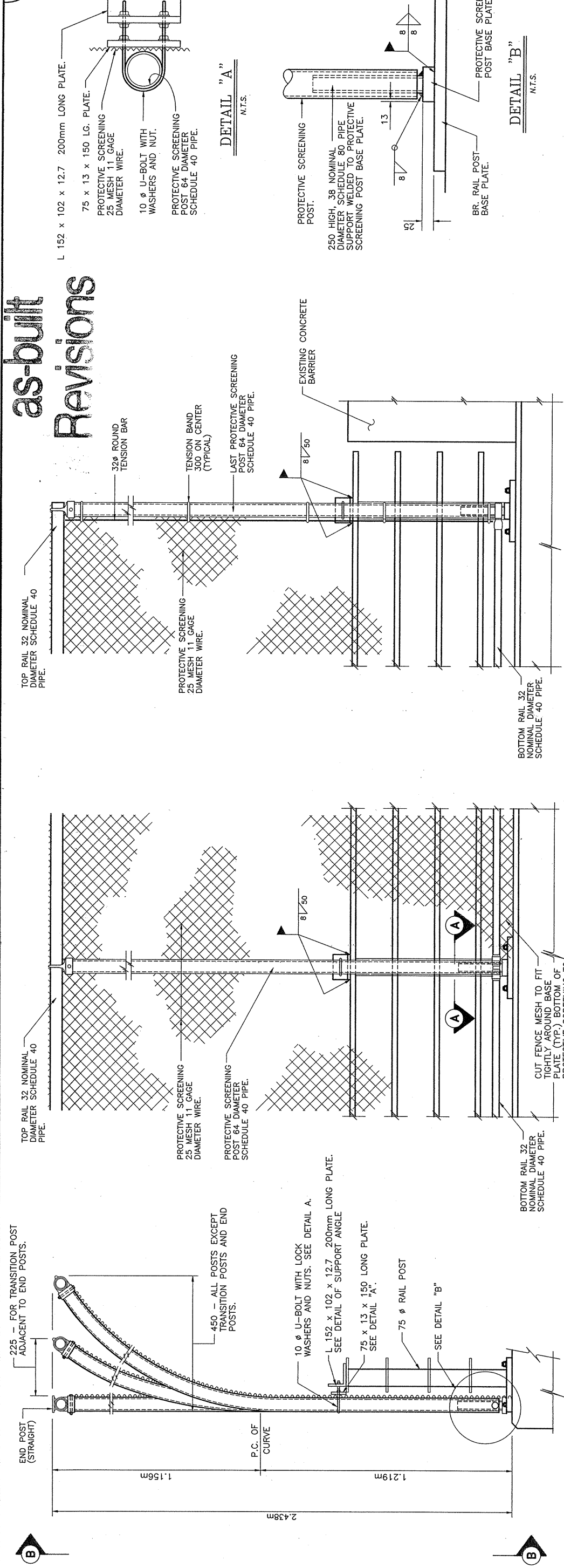
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DRAWING NUMBER:

5B1

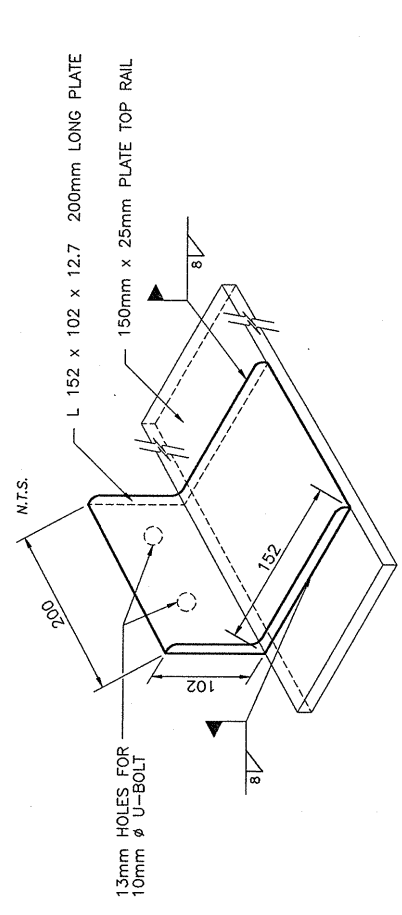
IN CHARGE OF: *Paul Chape* DESIGNED BY: *Michael A. ...* DRAFTED BY: *Michael A. ...* CHECKED BY: *Michael A. ...* C:/FENCING/00701/LANTICE/RAL

7R1
13

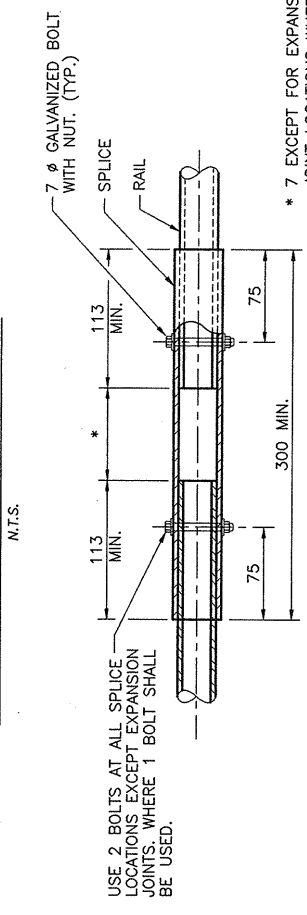


as-built
Revisions

**TYPICAL ELEVATION
CHAIN LINK PROTECTIVE SCREENING END**



DETAIL OF SUPPORT ANGLE



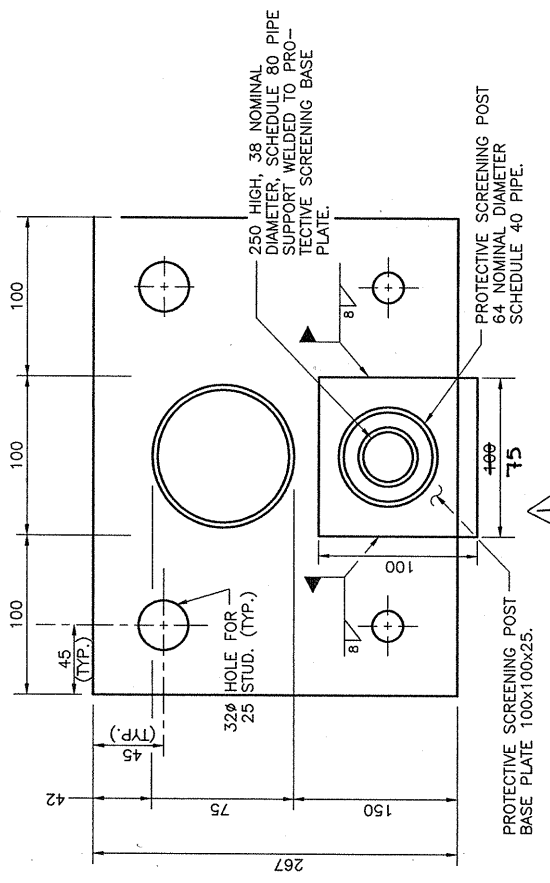
* 7 EXCEPT FOR EXPANSION JOINT LOCATIONS WHERE THE DIMENSION SHALL BE SET EQUAL TO THE BRIDGEWORK JOINT PLUS 7 (25 MIN.).

RAIL SPLICE DETAIL

N.T.S.

NOTES:

1. NO WELD SHALL START OR STOP WITHIN 7 OF THE EDGE OF ANY PLATE.
2. THE PROTECTIVE SCREENING POSTS SHALL BE PLACED WITH THE RAILING POSTS SO THAT THE SPACING OF THE PROTECTIVE SCREENING POSTS DOES NOT EXCEED 3.2m. SPACING SHALL BE AS NEARLY UNIFORM AS POSSIBLE. THERE SHALL ALWAYS BE PROTECTIVE SCREENING POSTS AT THE FIRST AND LAST RAILING POST, REGARDLESS OF THE PROTECTIVE SCREENING POST SPACING ON THE BRIDGE.
3. ON COMPLETION OF ALL WELDING OPERATIONS, NECESSARY FIELD GALVANIZING IN ACCORDANCE WITH SECTION 719-01 OF THE STANDARD SPECIFICATIONS SHALL BE DONE. THEREAFTER, TOUCH-UP PAINTING OF THE AFFECTED AREAS SHALL BE DONE IN ACCORDANCE WITH ITEM 25570.9275XXM, POWER TOOL CLEANING AND REPAINTING OF BRIDGE RAIL (NON-GALVANIZED). NO SEPARATE PAYMENT WILL BE MADE FOR TOUCH-UP PAINTING. THE COST FOR TOUCH-UP PAINTING SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THIS CONTRACT.
4. ALL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM 25607.0611M UNLESS OTHERWISE SHOWN.



SECTION A-A (SIDEWALK NOT SHOWN)

N.T.S.

NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED ALL ELEVATIONS ARE SHOWN IN METERS.



DATE	DESCRIPTION	BY	SYM.
7/6/14	BASE PLATE ADJUSTMENT	CM	

REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY

LOCATION OF PROJECT
M.P. 74.17 TO 175.12

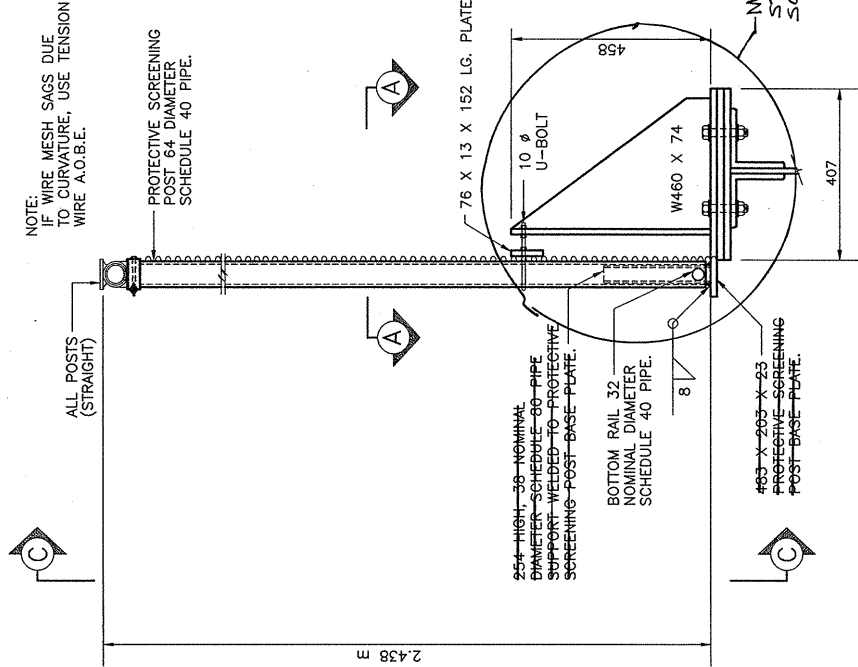
TITLE OF DRAWING
PROTECTIVE SCREENING ON LAUREN TICE RD. BRIDGE
M.P. 104.04



CONTRACT NUMBER
TA 00-70F

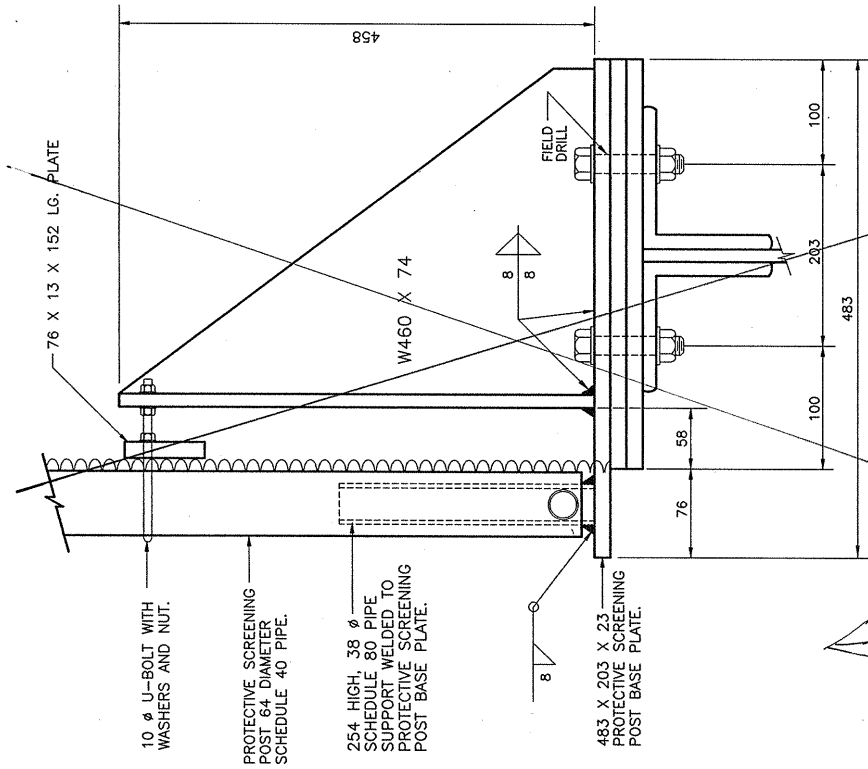
DATE
10/00

DRAWING NUMBER
7R1



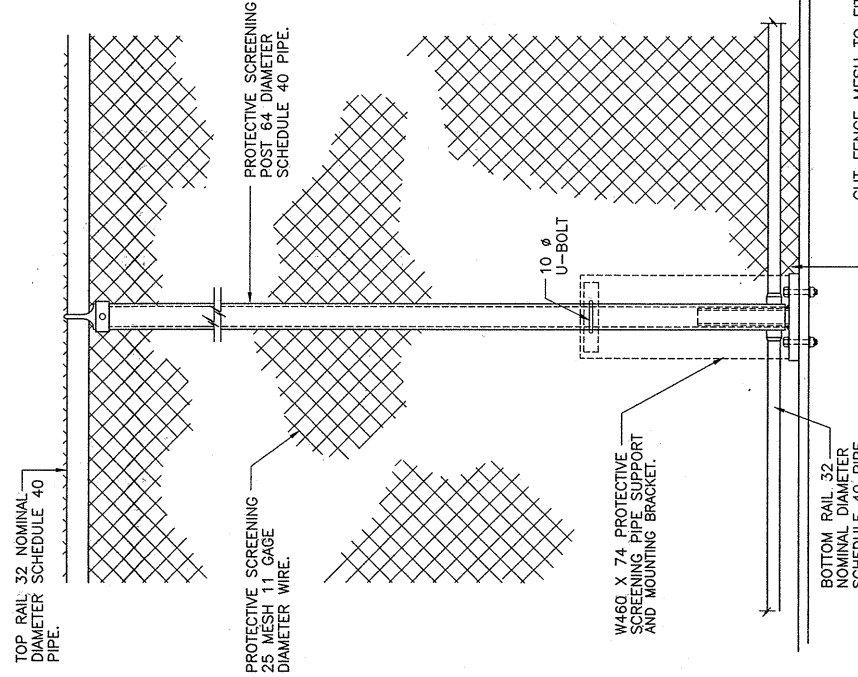
TYPICAL SECTION
CHAIN LINK PROTECTIVE SCREENING

NT.S.



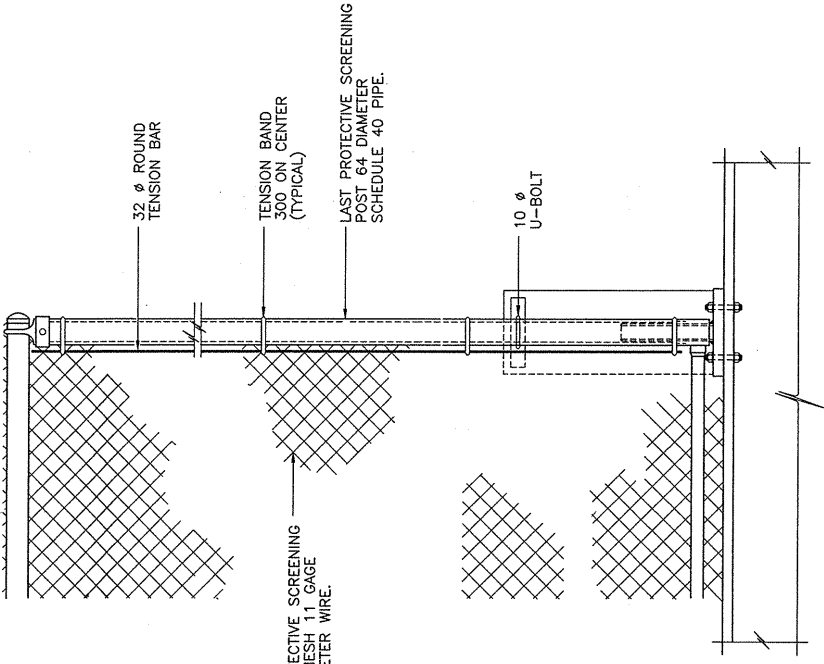
STRUCTURAL STEEL
PROTECTIVE/SCREENING POST ASSEMBLY

NT.S.



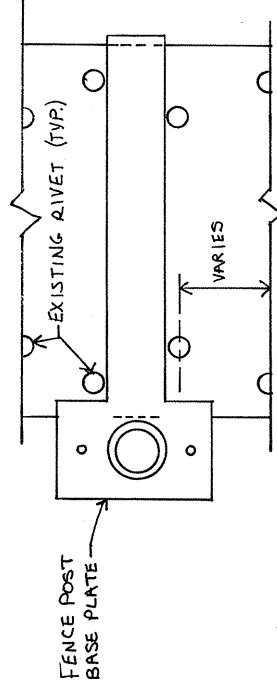
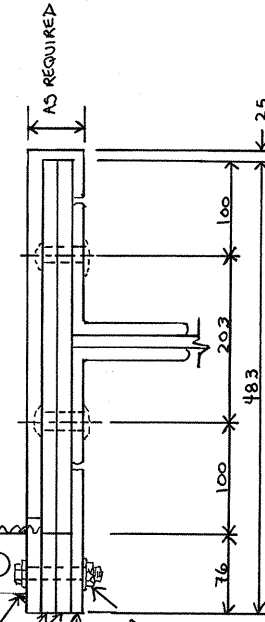
TYPICAL ELEVATION
CHAIN LINK PROTECTIVE SCREENING END

NT.S.



TYPICAL ELEVATION
CHAIN LINK PROTECTIVE SCREENING END

NT.S.



STRUCTURAL STEEL
PROTECTIVE SCREENING POST ASSEMBLY

NOTES: N.T.S.

1. NO WELD SHALL START OR STOP WITHIN 7mm OF THE EDGE OF ANY PLATE.
2. THE PROTECTIVE SCREENING POSTS SHALL BE PLACED SO THAT THE SPACING OF THE PROTECTIVE SCREENING POSTS DOES NOT EXCEED 3.20 m. SPACING SHALL BE AS NEARLY UNIFORM AS POSSIBLE.



DATE	DESCRIPTION	BY	SYM.
9/01	POST ASSEMBLY MODIFICATIONS	CM	

REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
INSTALLATION OF PROTECTIVE SCREENING
ON 16 BRIDGES OVER THE THRUWAY

LOCATION OF PROJECT
M.P. 74.17 TO M.P. 175.12

TITLE OF DRAWING
PROTECTIVE SCREENING ON
BRIDGE @ M.P. 158.93

CONTRACT NUMBER:
TA 00-70F

DATE:
10/00

DRAWING NUMBER:
8R1



NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS
UNLESS OTHERWISE NOTED ALL ELEVATIONS ARE
SHOWN IN METERS.

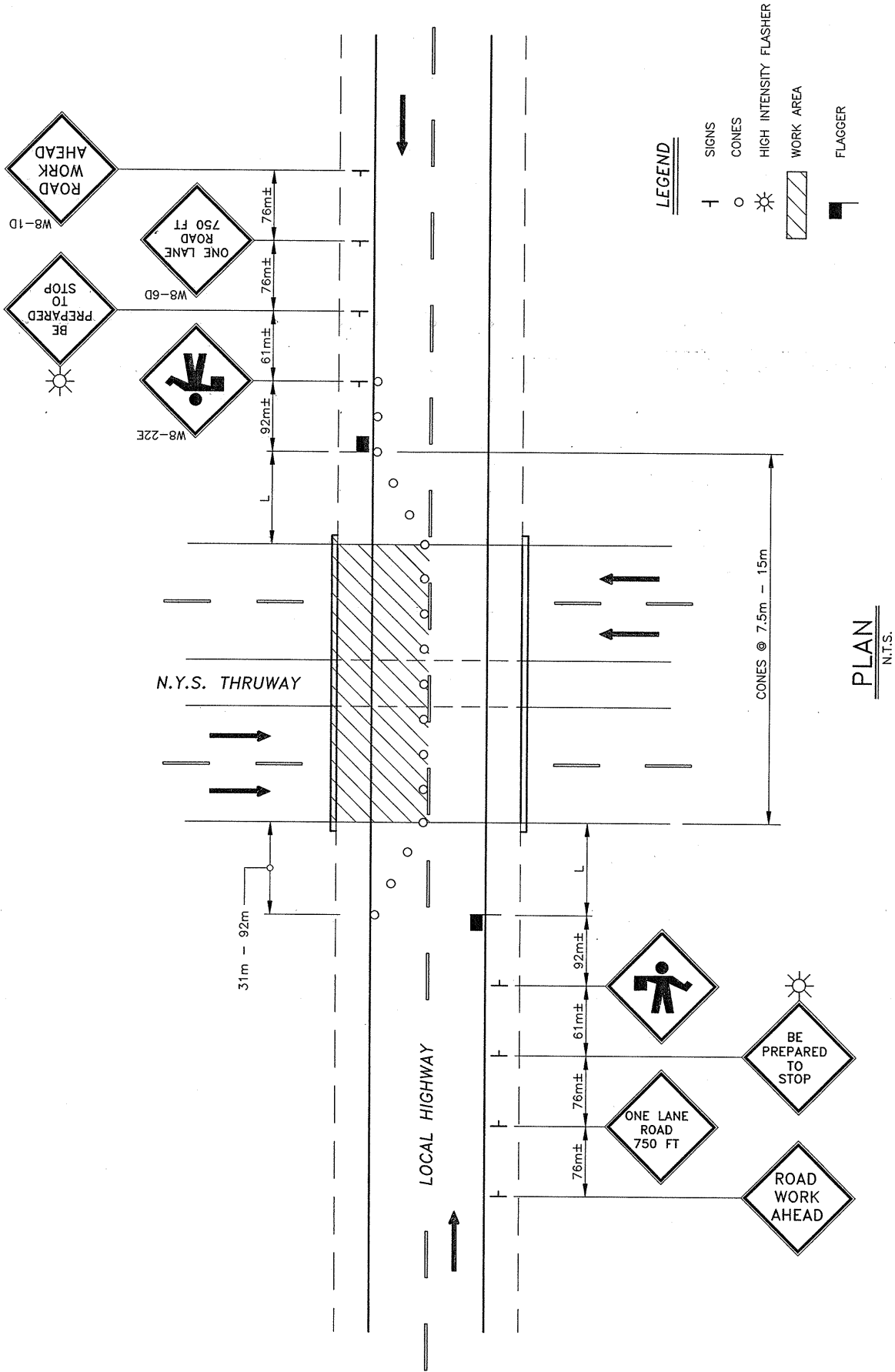
No as-built Revisions

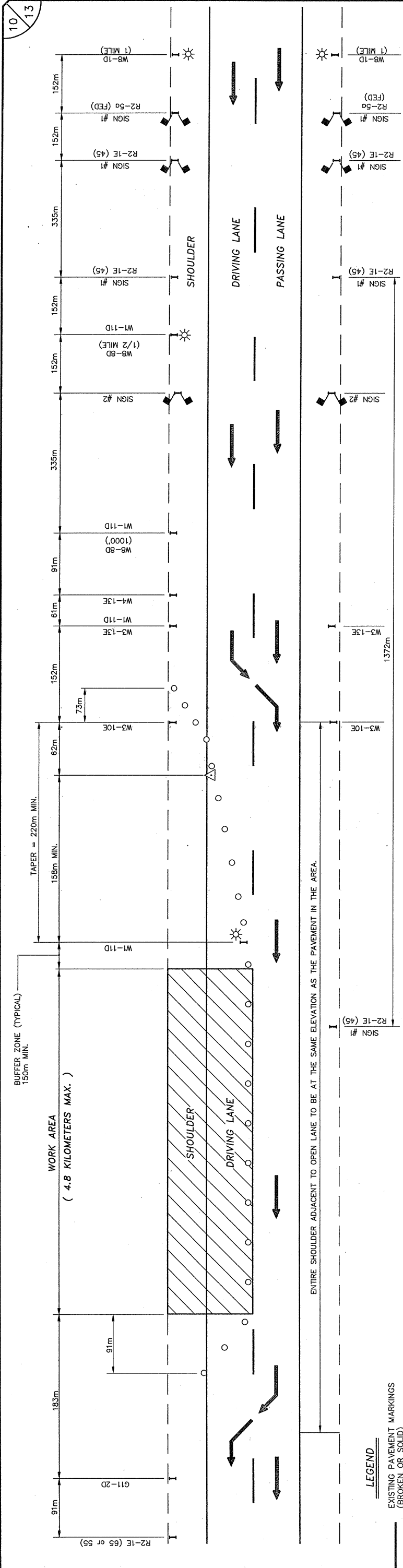
WIDTH OF APPROACH LANE	ESTIMATED 85% APPROACH SPEED (<i>k</i>)							
	40	48	56	64	72	80	89	97
3.66m	38	55	75	98	165	183	201	220
3.35m	35	50	69	90	151	168	184	201
3.05m	32	46	63	81	137	152	168	183

APPROXIMATE LENGTH OF TAPER (L) AND LOCATION OF FLAGGER.

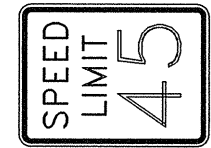
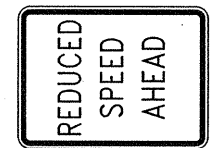
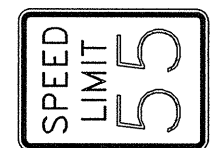
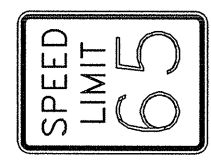
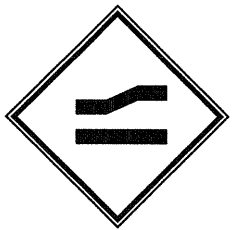
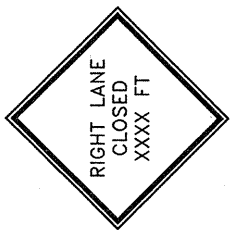
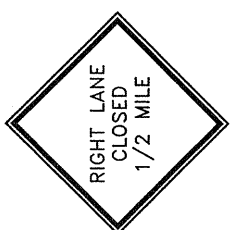
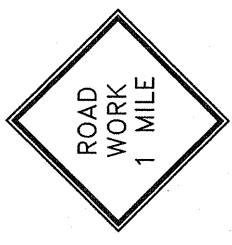
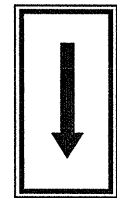
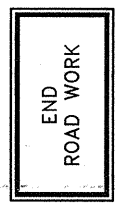
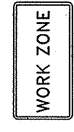
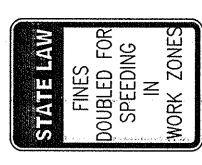
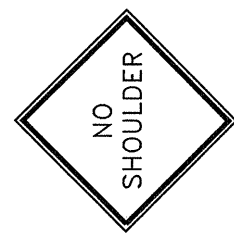
NOTES

1. NOTES 1 THROUGH 5 BELOW REFER TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", PUBLISHED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
2. FOR SIGN DETAILS, SEE SECTIONS 238.2, 238.4 AND 238.7.
3. ALL SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE
4. THE "BE PREPARED TO STOP" SIGNS SHALL BE 1.2m x 1.2m.
5. FOR LENGTH OF TAPER, L, VALUES, SEE TABLE 1 ABOVE AND SECTION 262.22.

[illegible]



No as-built Revisions



NOTES:

1. ALL SIGNS MAY BE FOUND IN THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL "W" SERIES SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE. ALL REFLECTORIZED SIGN BACKGROUNDS SHALL BE CLASS "B" OR "C" REFLECTIVE SHEETING.
2. SIGN SUPPORTS SHALL RESIST OVERTURNING IN WINDS AND PROVIDE A MINIMUM MOUNTING HEIGHT OF 1.5 METERS TO THE SIGN BOTTOM. SIGNS SHALL BE PLACED AT OR AS NEAR AS PRACTICABLE TO THE LOCATIONS SHOWN. LATERAL PLACEMENT OF SIGNS SHALL CONFORM TO SECTIONS 201.5 AND/OR 301.2 OF THE MUTCD.
3. FLAGGERS ARE TO BE PROVIDED AND LOCATED IN THE PATTERN AS DIRECTED BY THE ENGINEER. WHEN USED, A W8-22E SIGN WILL BE PLACED NOT CLOSER THAN 152 METERS NOR FURTHER THAN 792 METERS AHEAD OF THE FLAGGER.
4. ALL FLASHING LIGHTS SHOWN ON THIS SHEET SHALL BE PLACED IN OPERATION FROM 1/2 HOUR AFTER SUNSET TO 1/2 HOUR BEFORE SUNRISE OR AS ORDERED BY THE ENGINEER.
5. FLASHING ARROWBOARDS SHALL CONFORM TO SECTION 284.5 OF THE MUTCD. THE MINIMUM SIZE SHALL BE TYPE C (2.4m x 1.2m) FULL ARROW FLASH. NO CHEVRONS NOR SEQUENTIAL ARROW FLASH WILL BE ALLOWED.
6. THESE PLANS SHALL BE MODIFIED TO LEFT LANE CLOSURE(S) BY CHANGING SIGNS W1-11D TO W1-12D, W8-8D TO W8-7D, W3-10E TO W3-9E AND W3-13E TO W3-12E. THE LEFT LANE CLOSURE SHALL BE THE MIRROR IMAGE OF THE RIGHT LANE CLOSURE.
7. THE TRAFFIC SUPERVISOR WILL APPROVE THE CONDITION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO USE AND WILL REVIEW THE PROPOSED TRAFFIC CONTROL PATTERN (FOR PRECISE DEVICE POSITIONING) PRIOR TO INSTALLATION.
8. EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN THE PROJECT LIMITS.
9. THE MINIMUM BUFFER ZONE LENGTH SHALL BE 150m. THE LENGTH OF THE BUFFER ZONE SHALL BE EXTENDED WHEN NECESSARY AS ORDERED BY THE ENGINEER TO ENSURE ADEQUATE SIGHT DISTANCE FOR APPROACHING VEHICLES OF THE LANE CLOSURE TAPER.
10. SEE PROPOSAL FOR SIGN FACE LAYOUT.
11. WHEN THE DISTANCE BETWEEN THE SECOND R2-1E(4S) SIGN AND THE END OF THE WORK ZONE EXCEEDS 1372M, ADDITIONAL R2-1E(4S) SIGNS SHALL BE PLACED IN THE WORK ZONE TO MAINTAIN A MINIMUM SPACING OF 1927M. NOTE THAT ADDITIONAL SIGNS MAY BE NEEDED JUST BEYOND ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE AND BEYOND THE ALREADY SPECIFIED SIGNING.
12. ANY EXISTING SPEED LIMIT SIGNS SHALL BE COVERED SO AS NOT TO CONFLICT WITH THE WORK ZONE SPEED LIMIT.
13. FOR NIGHTTIME OPERATIONS, ALL PROVISIONS OF SECTION 619-3.13 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
14. THIS SHEET APPLIES TO TWO, THREE, AND FOUR LANE SECTIONS.

[illegible]

REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY	LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12
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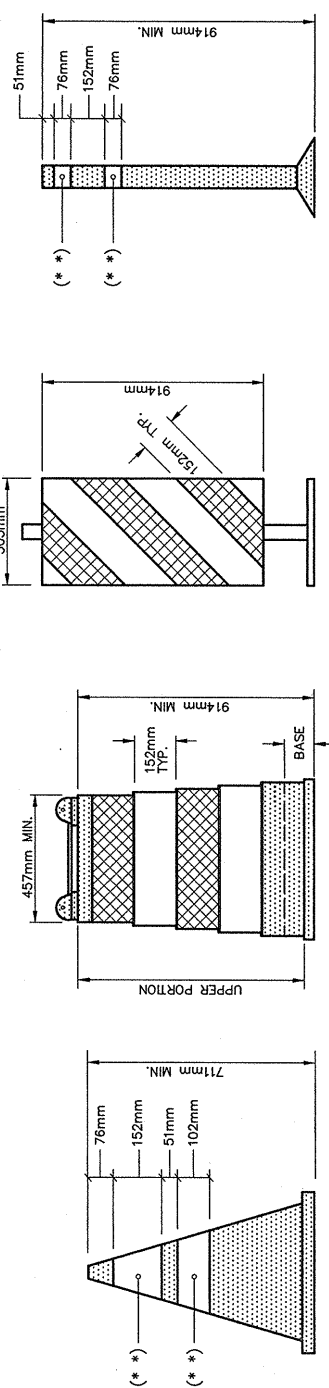
TITLE OF DRAWING

LANE CLOSURE
(DAILY)

CONTRACT NUMBER: TA 00-70F	DRAWING NUMBER: 10
DATE: 6/00	



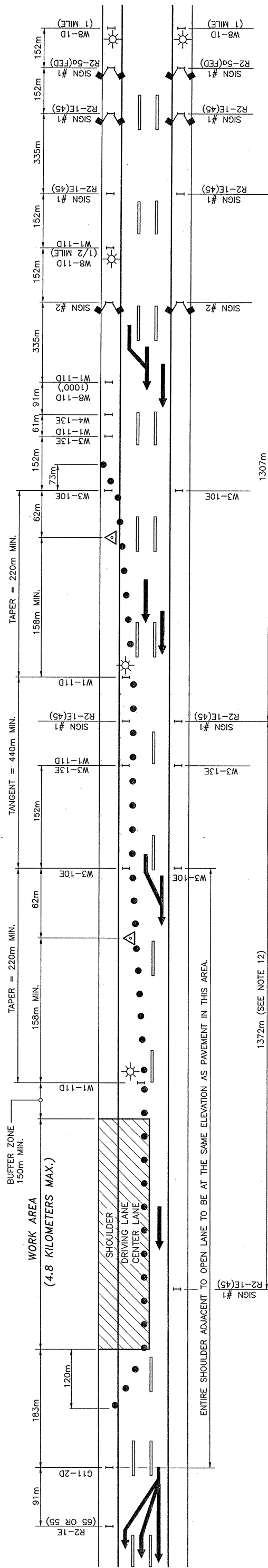
The seal of the New York State Thruway Authority is circular. It features a stylized figure of a person running or jumping over a globe. The text "NEW YORK STATE THRUWAY AUTHORITY" is written around the perimeter of the seal.



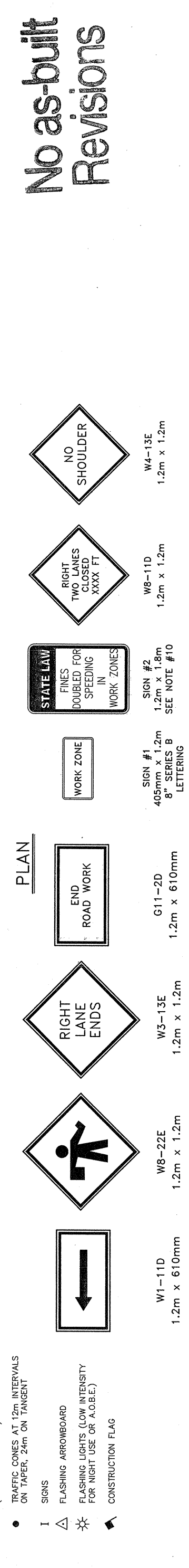
VERTICAL PANEL TUBULAR MARKER

(OPTIONAL DEVICES)

TRAFFIC CONTROL DEVICES

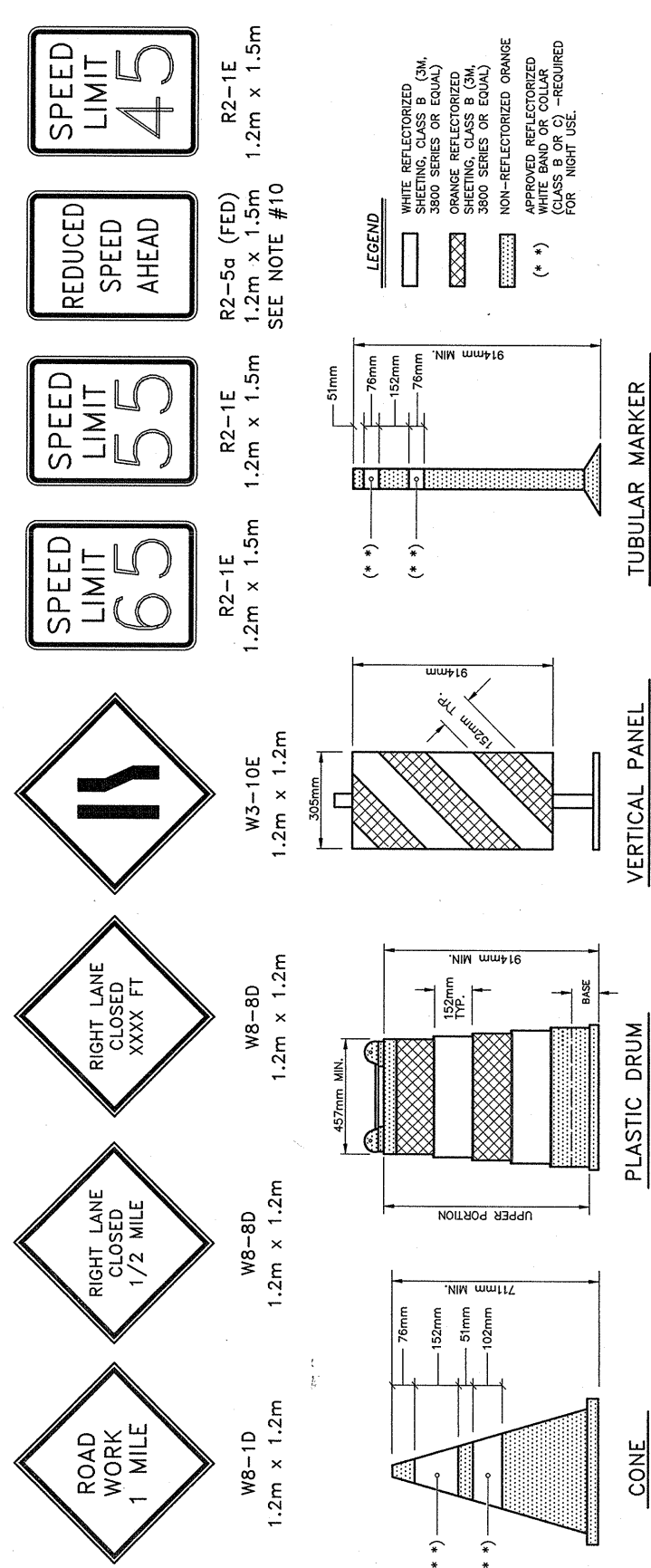


TWO LANE CLOSURE



No as-built Revisions

1. SIGNS MAY BE FOUND IN THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL "W" SERIES SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE. ALL REFLECTORIZED SIGN BACKGROUNDS SHALL BE CLASS "B" OR "C" REFLECTIVE SHEETING.
2. SIGN SUPPORTS SHALL RESIST OVERTURNING IN WINDS AND PROVIDE A MINIMUM MOUNTING HEIGHT OF 1.5 METERS TO THE SIGN BOTTOM. SIGNS SHALL BE PLACED AT OR AS NEAR AS PRACTICABLE TO THE LOCATIONS SHOWN. LATERAL PLACEMENT OF SIGNS SHALL CONFORM TO SECTIONS 201.5 AND/OR 301.2 OF THE MUTCD.
3. FLAGGERS ARE TO BE PROVIDED AND LOCATED IN THE PATTERN AS DIRECTED BY THE ENGINEER. WHEN USED, W8-72E SIGNS SHALL BE PLACED NOT CLOSER THAN 152 METERS NOR FURTHER THAN 792 METERS AHEAD OF THE FLAGGER.
4. ALL FLASHING LIGHTS SHOWN ON THIS SHEET SHALL BE PLACED IN OPERATION FROM 1/2 HOUR AFTER SUNSET TO 1/2 HOUR BEFORE SUNRISE OR AS ORDERED BY THE ENGINEER.
5. FLASHING ARROWBOARDS SHALL CONFORM TO SECTION 294.5 OF THE MUTCD. THE MINIMUM SIZE SHALL BE TYPE C (2.4m x 1.2m) FULL ARROW FLASH. NO CHEVRONS NOR SEQUENTIAL ARROW FLASH WILL BE ALLOWED.
6. THESE PLANS SHALL BE MODIFIED TO LEFT LANE CLOSURE(S) BY CHANGING SIGNS W1-11D TO W1-72D, W8-80 TO W8-7D, W8-11D TO W8-10D, W3-10E TO W3-9E AND W3-13E TO W3-12E. THE LEFT LANE CLOSURES SHALL BE THE MIRROR IMAGE OF THE RIGHT LANE CLOSURE(S).
7. THE TRAFFIC SUPERVISOR WILL APPROVE THE CONDITION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO USE, AND WILL REVIEW THE PROPOSED TRAFFIC CONTROL PATTERN (FOR PRECISE DEVICE POSITIONING) PRIOR TO INSTALLATION.
8. EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN THE PROJECT LIMITS.
9. THE MINIMUM BUFFER ZONE LENGTH SHALL BE 150m. THE LENGTH OF THE BUFFER ZONE SHALL BE EXTENDED WHEN NECESSARY AS ORDERED BY THE ENGINEER TO ENSURE ADEQUATE SIGHT DISTANCE FOR APPROACHING VEHICLES OF THE LANE CLOSURE TAPER.
10. SEE PROPOSAL FOR SIGN FACE LAYOUT.
11. FOR NIGHTTIME OPERATIONS, ALL PROVISIONS OF SECTION 619-3.13 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
12. WHEN THE DISTANCE BETWEEN THE SECOND R2-1E(45) SIGN AND THE END OF THE WORK ZONE EXCEEDS 1372m, ADDITIONAL R2-1E(45) SIGNS SHALL BE PLACED IN THE WORK ZONE TO MAINTAIN A MAXIMUM SPACING OF 1372m. NOTE THAT ADDITIONAL SIGNS MAY BE NEEDED JUST BEYOND ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE AND BEYOND THE ALREADY SPECIFIED SIGNING.
13. ANY EXISTING SPEED LIMIT SIGNS SHALL BE COVERED SO AS NOT TO CONFLICT WITH THE WORK ZONE SPEED LIMIT.
14. THIS SHEET APPLIES TO THREE AND FOUR LANE SECTIONS.

[illegible]

WHITE ON GREEN

EXIT
300 FT.

G5-3X (MOD)
1.5m x 1.1m
(203mm SERIES F)

WHITE ON GREEN

EXIT
XXX

G5-3X
1.5m x 1.1m

WHITE ON BLUE

SERVICE
AREA

I7-3C
1.2m x 1.1m

RIGHT LANE
CLOSED
500 FT.

WB-8D
1.2m x 1.2m

LEFT LANE
CLOSED
500 FT.

WB-7D
1.2m x 1.2m

ROAD
WORK
XXX FT.

WB-1D
1.2m x 1.2m

END
ROAD WORK

G11-2D
1.2m x 610mm

EXIT
XX

G5-2X
1.2m x 1.1m

RIGHT LANE
CLOSED
500 FT.

WB-22E †
1.2m x 1.2m

ROAD
WORK
XXX FT.

WB-20E ††
1.2m x 1.2m

EXIT
XXX

G5-3X
1.5m x 1.1m

WHITE ON GREEN

EXIT
XX

G5-2X
1.2m x 1.1m

RIGHT LANE
CLOSED
500 FT.

WB-8D
1.2m x 1.2m

LEFT LANE
CLOSED
500 FT.

WB-7D
1.2m x 1.2m

ROAD
WORK
XXX FT.

WB-1D
1.2m x 1.2m

END
ROAD WORK

G11-2D
1.2m x 610mm

EXIT
XX

G5-2X
1.2m x 1.1m

RIGHT LANE
CLOSED
500 FT.

WB-22E †
1.2m x 1.2m

ROAD
WORK
XXX FT.

WB-20E ††
1.2m x 1.2m

EXIT
XXX

G5-3X
1.5m x 1.1m

WHITE ON GREEN

EXIT
XX

G5-2X
1.2m x 1.1m

RIGHT LANE
CLOSED
500 FT.

WB-8D
1.2m x 1.2m

LEFT LANE
CLOSED
500 FT.

WB-7D
1.2m x 1.2m

ROAD
WORK
XXX FT.

WB-1D
1.2m x 1.2m

END
ROAD WORK

G11-2D
1.2m x 610mm

EXIT
XX

G5-2X
1.2m x 1.1m

RIGHT LANE
CLOSED
500 FT.

WB-22E †
1.2m x 1.2m

ROAD
WORK
XXX FT.

WB-20E ††
1.2m x 1.2m

EXIT
XXX

G5-3X
1.5m x 1.1m

NOTE: ALL "W" SERIES SIGNS SHALL BE BLACK LEGEND ON FLOURESCENT ORANGE BACKGROUND.

SIGNS
N.T.S.

WHITE REFLECTORIZED SHEETING, CLASS B
(3M, 3800 SERIES OR EQUAL)

ORANGE REFLECTORIZED SHEETING, CLASS B
(3M, 3800 SERIES OR EQUAL)

NON-REFLECTORIZED ORANGE

(*) APPROVED REFLECTORIZED WHITE BAND OR COLLAR (CLASS B OR C) -REQUIRED FOR NIGHT USE

LEGEND

WHITE REFLECTORIZED SHEETING, CLASS B
(3M, 3800 SERIES OR EQUAL)

ORANGE REFLECTORIZED SHEETING, CLASS B
(3M, 3800 SERIES OR EQUAL)

NON-REFLECTORIZED ORANGE

(*) APPROVED REFLECTORIZED WHITE BAND OR COLLAR (CLASS B OR C) -REQUIRED FOR NIGHT USE

VERTICAL PANEL

TUBULAR MARKER

(OPTIONAL DEVICES)

305mm

914mm MIN.

152mm TYP.

914mm MIN.

51mm

76mm

152mm

76mm

914mm MIN.

711mm MIN.

76mm

152mm

51mm

102mm

PLASTIC DRUM

UPPER PORTION

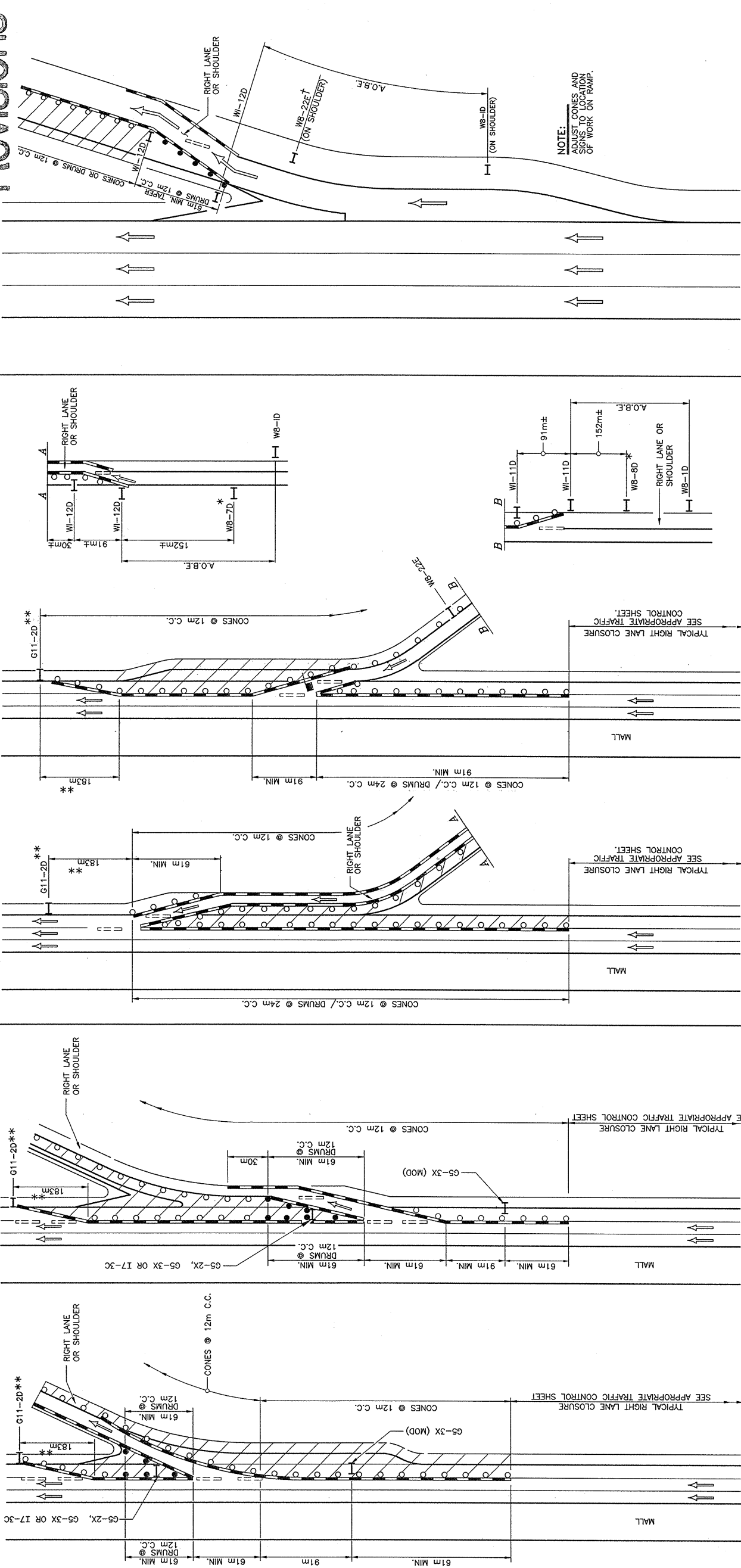
457mm MIN.

152mm TYP.

914mm MIN.

BASE

TRAFFIC CONTROL DEVICES
N.T.S.



TYPICAL
DECELERATION LANE
N.T.S.

TYPICAL
ACCELERATION LANE
N.T.S.

TYPICAL
WORK ZONE ON RAMP
N.T.S.

NOTE:
ADJUST CONES AND
SIGNS TO LOCATION
OF WORK ON RAMP.

NOTE:
IF NECESSARY, CONSULT
THE DIVISION TRAFFIC
SUPERVISOR FOR OTHER
VARIATIONS.

- LEGEND
- FLAGGER

EXISTING PAVEMENT MARKINGS
(BROKEN OR SOLID)

REMOVAL OF EXISTING PAVEMENT
MARKINGS DURING CONSTRUCTION

TEMPORARY PAVEMENT MARKING
FOR CONSTRUCTION (SEE NOTE A)

SIGN

WORK AREA

APPROPRIATE EXIT NUMBER OR
DISTANCE

TRAFFIC CONES (SPACING AS SHOWN)

DRUM

USE ONLY FOR LANE CLOSURE
ON TWO-LANE RAMPS

ONLY IF WORK ENDS HERE

USE ONLY WHEN FLAGGER IS
ON DUTY

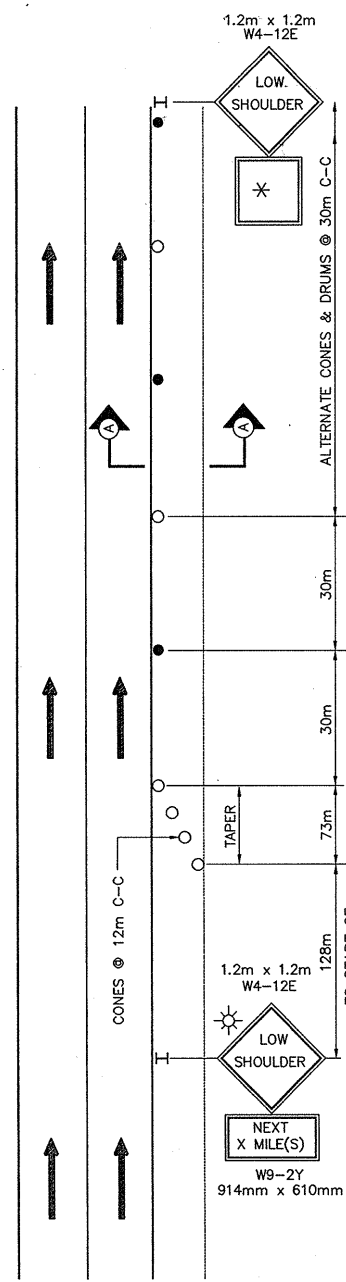
REMOVE DURING NON-WORK HOURS

LEGEND

A. EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN PROPOSED WORK ZONE. IF THE CONTRACTOR EXCEEDS A PERIOD OF 2 WEEKS OR AS DIRECTED BY THE ENGINEER, CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT MARKINGS OF EXISTING PAVEMENT AND INSTALLATIONS OF TEMPORARY MARKINGS AS DETAILED. TEMPORARY MARKINGS SHALL BE UNIFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. WHEN ALL WORK IS COMPLETED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE TEMPORARY MARKINGS AND RESTORE THE EXISTING MARKINGS.

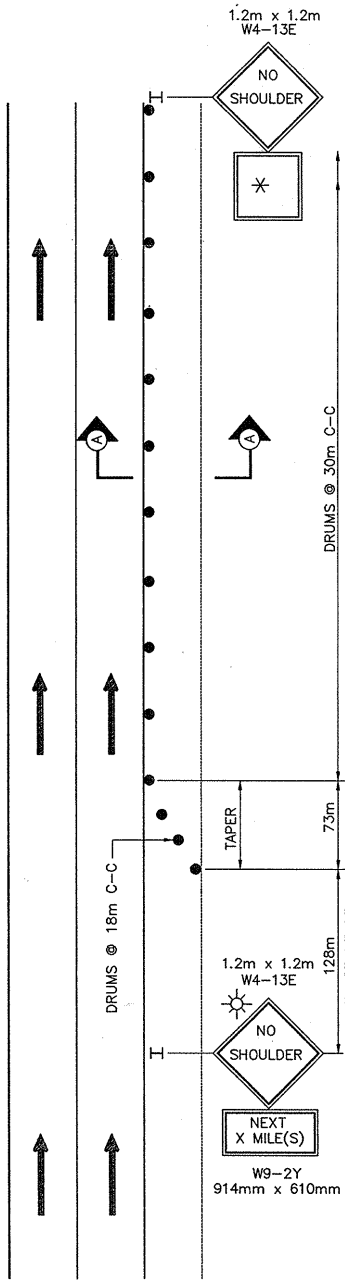
B. ON ANY SECTION OF THE EXPRESSWAY, WHERE THE MAINLINE ADJACENT TO AN ACCELERATION LANE IS REQUIRED (R-12D) AND "YIELD AHEAD" (W2-16D) SIGNS MUST BE PLACED ON THE ACCELERATION LANE (ENTRANCE RAMP) IN ACCORDANCE WITH THE GUIDELINES ESTABLISHED IN THE N.Y.S.M.U.T.C.D.

NOTES



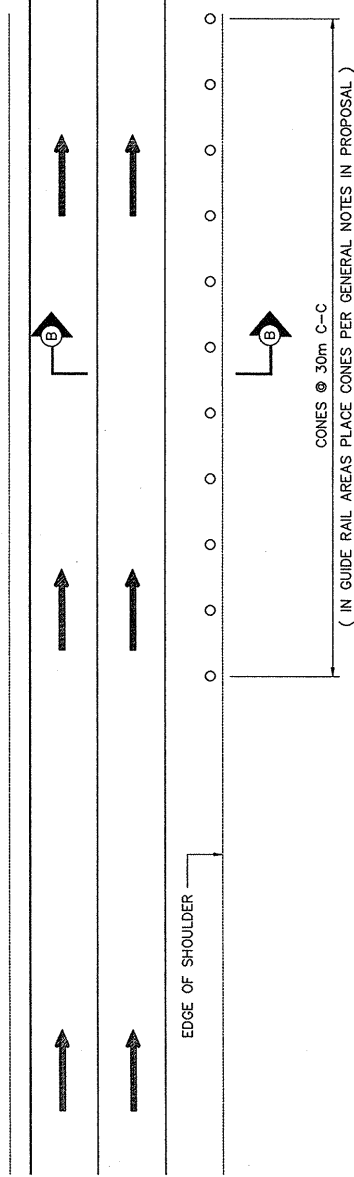
TRAFFIC CONTROL PLAN IN AREAS WITH A SHOULDER DROP OF 38mm TO 102mm

(*) W9-2Y SIGN IS REQUIRED EVERY 805m UNLESS WITHIN 305m OF END OF SECTION
NOTE: REPEAT W4-12E SIGN EVERY 305m

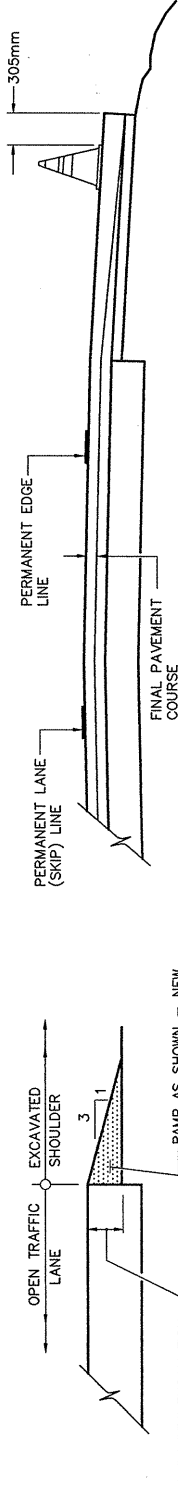


TRAFFIC CONTROL PLAN IN AREAS WITH A SHOULDER DROP OF MORE THAN 102mm AND LESS THAN 457mm

NOTE: REPEAT W4-13E SIGN EVERY 305m.



TRAFFIC CONTROL PLAN IN AREAS WITH FINAL PAVEMENT COURSE PLACED AND PERMANENT PAVEMENT DELINEATION INSTALLED WITH DROP AT EDGE OF SHOULDER

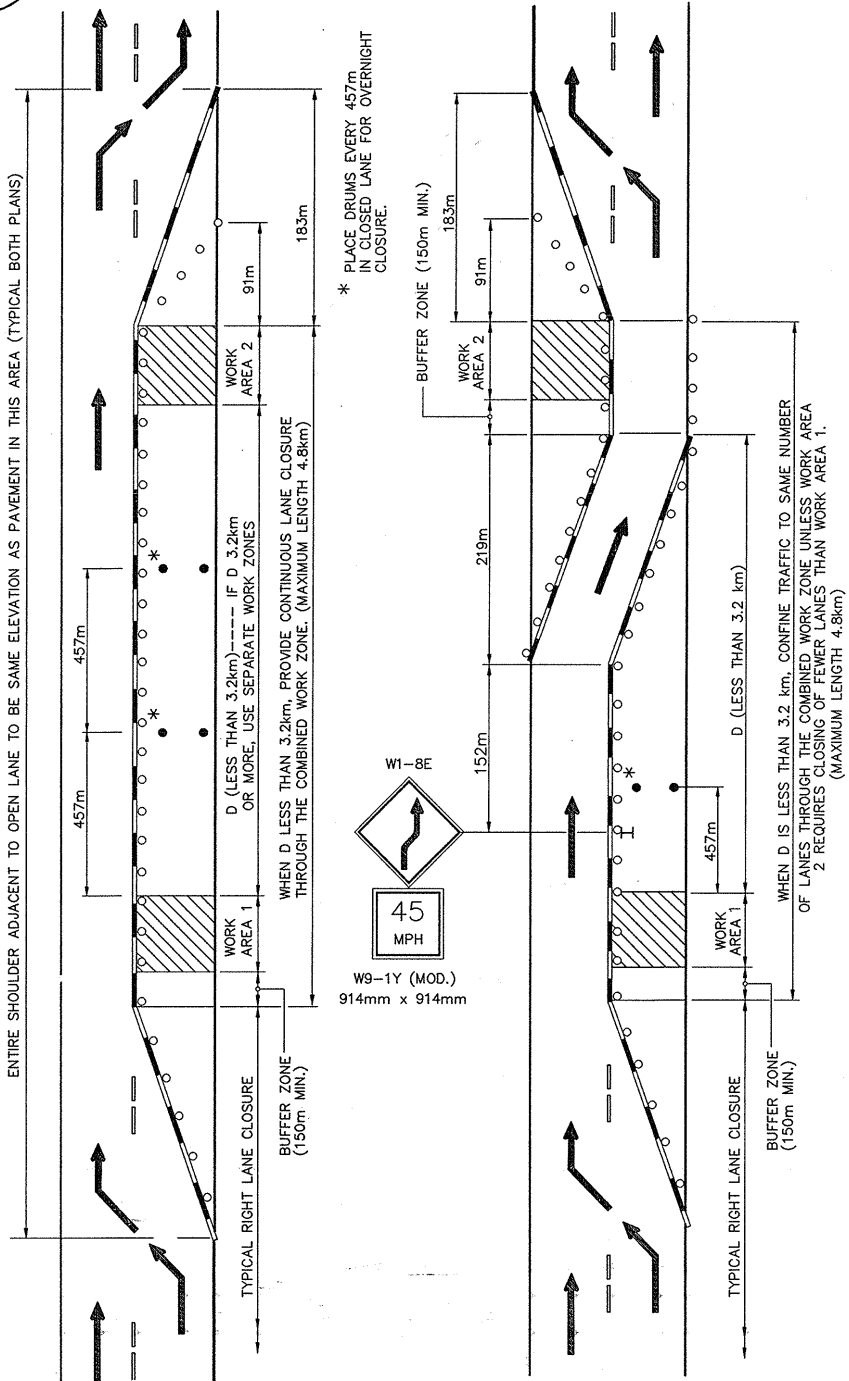


SECTION A-A

SECTION B-B

(AREAS WITHOUT SHOULDER BACK-UP INSTALLED)

ENTIRE SHOULDER ADJACENT TO OPEN LANE TO BE SAME ELEVATION AS PAVEMENT IN THIS AREA (TYPICAL BOTH PLANS)



SUCCESSIVE WORK ZONES - TWO LANE SECTIONS

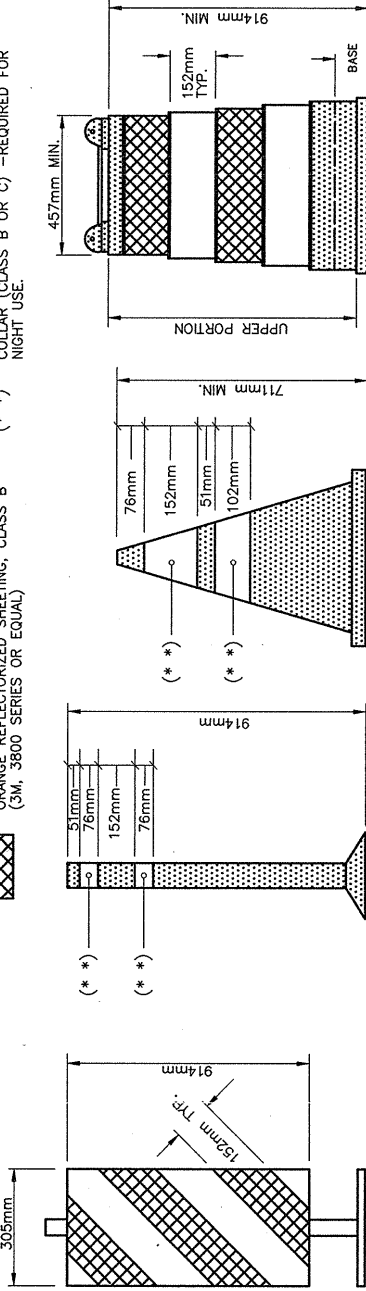
(THREE LANE SIMILAR)

LEGEND

- WHITE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
- ORANGE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
- NON-REFLECTORIZED ORANGE APPROVED REFLECTORIZED WHITE BAND OR COLLAR (CLASS B OR C) - REQUIRED FOR NIGHT USE
- (*)

(*) OPTIONAL DEVICES MAY BE SUBSTITUTED FOR THOSE LISTED WITH THE APPROVAL OF THE ENGINEER.

No as-built Revisions



TRAFFIC CONTROL DEVICES

(OPTIONAL DEVICES) (*)

NOTE "A"

EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN PROJECT LIMITS. IF CONTRACTOR'S OPERATIONS IN ANY WORK AREA WILL EXCEED A PERIOD OF 2 WEEKS, OR AS DIRECTED BY THE ENGINEER, CONTRACTOR SHALL COMPLETELY REMOVE PORTIONS OF EXISTING MARKINGS AND REPLACE WITH NEW MARKINGS AS DETAILED ABOVE. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

WHEN ALL WORK IS TO BE COMPLETED IN THE WORK AREA, OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE TEMPORARY MARKINGS AND RESTORE THE EXISTING MARKINGS.

NOTES FOR SHOULDER EXCAVATION PROTECTION:

THE DISTANCE BETWEEN THE W4-12E OR W4-13E SIGNS SHALL NOT EXCEED 305m. USE W9-2Y ON FIRST SIGN TO NEAREST 805m WHEN THE AREA BEING PROTECTED EXCEEDS 805m IN LENGTH. ONLY THE LEFT OR RIGHT SHOULDER MAY BE WORKED ON AT ONE TIME.

DRUMS AND CONES SHALL BE PLACED AND MAINTAINED SO THAT AT LEAST TWO IF THE DEPTH OF EXCAVATION EXCEEDS 457mm, THE ADJACENT LANE MUST REMAIN CLOSED, OR TEMPORARY CONCRETE BARRIER MUST BE USED TO PROTECT THE CONDITION.

TYPICAL PLAN FOR RIGHT SHOULDER SHOWN. LEFT SHOULDER PROTECTION IS IDENTICAL. EXCAVATED SHOULDER TO BE RAMPED DOWN (SECTION A-A) DURING NON-WORK HOURS.

LEGEND

- TRAFFIC CONE
- DRUM
- FLASHING LIGHT, LOW INTENSITY, FOR NIGHT USE OR A.O.B.E.
- SIGN (ALL "W" SERIES SIGNS TO BE BLACK ON FLUORESCENT ORANGE)
- REMOVAL OF EXISTING PAVEMENT MARKINGS DURING CONSTRUCTION
- TEMPORARY PAVEMENT MARKING FOR CONSTRUCTION (SEE NOTE A)

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF MAINTENANCE AND ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
INSTALLATION OF PROTECTIVE SCREENING
ON 16 BRIDGES OVER THE THRUWAY

LOCATION OF PROJECT
M.P. 74.17 TO M.P. 175.12

TITLE OF DRAWING
THRUWAY TRAFFIC PLANS
FOR MISCELLANEOUS
OPERATIONS

CONTRACT NUMBER:
TA 00-70F
DATE:
6/00
DRAWING NUMBER:
13