



ALBANY DIVISION
PLANS FOR
REMOVAL, REHABILITATION, CONSTRUCTION

OF THE
I-90 BRIDGE OVER NY ROUTE 5S & CANALWAY TRAIL - ERIE CANAL TRAIL
AT
MILEPOST 178.38
IN
MONTGOMERY COUNTY

TAA 25-06B D215009

95 SHEETS BIN 5002939

TYPE OF CONSTRUCTION:

DECK REPLACEMENT, SUBSTRUCTURE REPAIR, GUIDE RAIL REPLACEMENT, MILL AND INLAY

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

100% AUTHORITY

ALL APPROACH AND BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE ELEMENTS.

100% MUNICIPALITY OR STATE: & CANALWAY TRAIL

NY 5S BLVD SHOULDERS, GUIDE RAILS, AND PAVEMENT; TRAILWAY PAVEMENT AND LAWN.

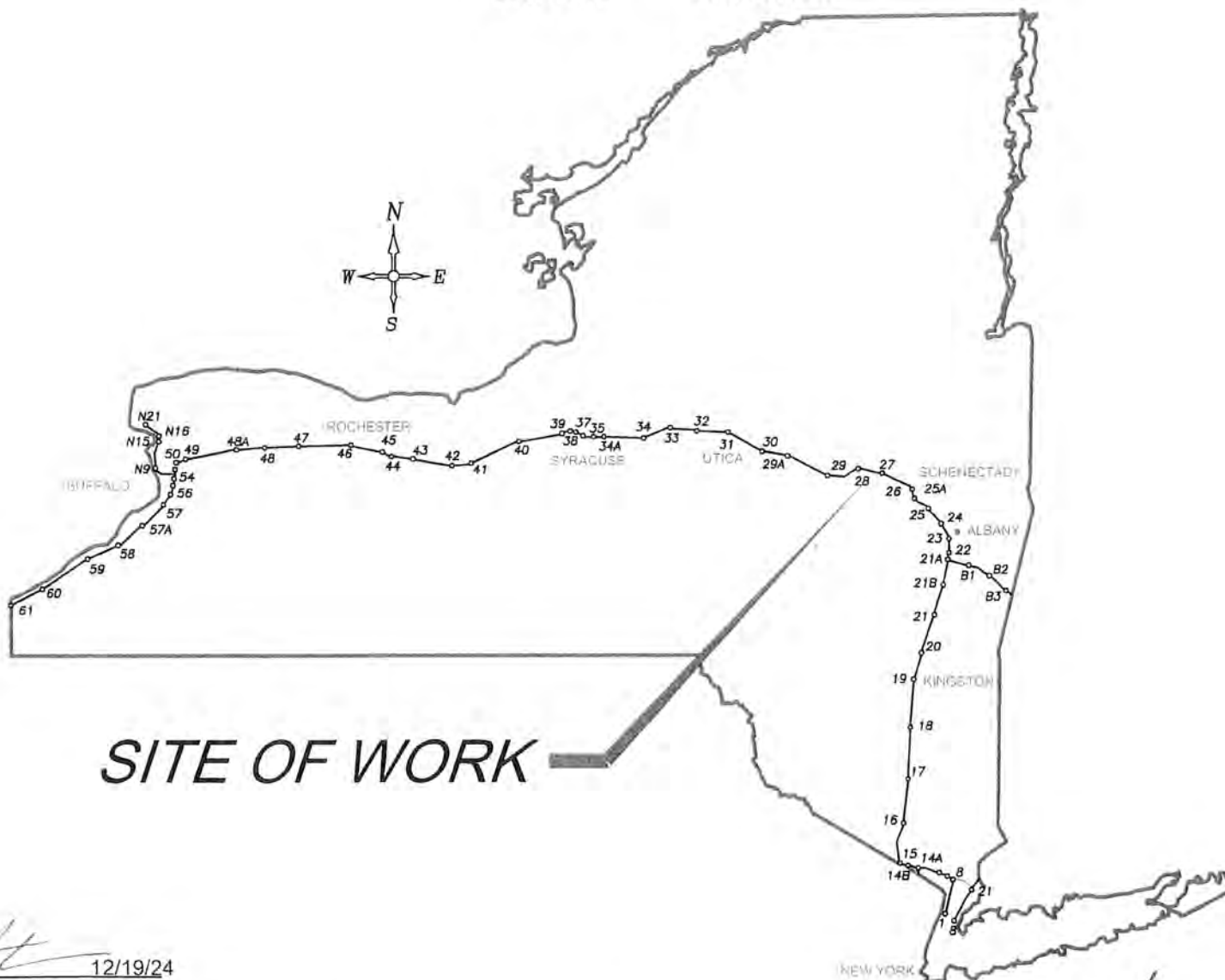
LOAD RATING TABLE

CONTROLLING MEMBER	INVENTORY LOAD RATING	OPERATING LOAD RATING
EXTERIOR GIRDERS G1, G7, G8, G16 (LFR)	HS 21 (38 TONS)	HS 34 (61 TONS)
INTERIOR GIRDER G2 TO G6 & G9 TO G15 (LFR)	HS 24 (43 TONS)	HS 36 (65 TONS)

HS-20 LIVE LOADING, LFR METHODS
INCLUDES FUTURE WEARING COURSE OF 0.020 ksf.

	PROJECT LIMITS		CONTRACT LIMITS	
	FROM STA.	TO STA.	FROM STA.	TO STA.
NY ROUTE 5S	NY5S 10+00	NY5S 12+75	WZTC LIMITS	
MAINLINE I-90 EB	190WB 10+30	190WB 24+75	WZTC LIMITS	
MAINLINE I-90 WB	190EB 10+00	190EB 24+75	WZTC LIMITS	

LDIG NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811



SITE OF WORK

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: _____

RECOMMENDED BY: *[Signature]*
DIRECTOR, OFFICE OF DESIGN DATE: 12/19/24

RECOMMENDED BY: *[Signature]* DATE: 12/20/24
DIVISION DIRECTOR

RECOMMENDED BY: *[Signature]* DATE: 12/20/24
TRAFFIC ENGINEER

RECOMMENDED BY: *[Signature]* DATE: 12/21/2024
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT

RECOMMENDED BY: *[Signature]* DATE: 12/21/2024
DIRECTOR OF MAINTENANCE AND OPERATIONS

APPROVED BY: *[Signature]* DATE: 12/23/2024
CHIEF ENGINEER

PREPARED AND RECOMMENDED BY: *[Signature]* DATE: 12/10/2024
PARSONS
DANIEL LEVINE, P.E.
NY'S LICENSE NUMBER: 097330

REVIEWED BY: *[Signature]*

PROJECT MANAGER: *[Signature]*

BUREAU DIRECTOR: *[Signature]*

PW/ D. LEVINE
CHECKED BY: D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DESIGNED BY: J.P. O'LOUGHLIN
DESIGN SUPERVISOR: D. LEVINE

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

<p style="text-align: center;">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>SYM.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				DATE	DESCRIPTION	BY	SYM.																		<p>TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL</p>	<p>CONTRACT NUMBER: TAA 25-06B</p>
DATE	DESCRIPTION	BY	SYM.																							
		<p>LOCATION OF PROJECT ALBANY DIVISION MP 178.38</p>	<p>DATE: 12/11/2024</p>																							
		<p>TITLE OF DRAWING LEGEND (SHEET 1 OF 2)</p>	<p>DRAWING NUMBER: LEG-1</p>																							

PW/ D. LEVINE
CHECKED BY: D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DESIGNED BY: J.P. O'LOUGHLIN
DESIGN SUPERVISOR: D. LEVINE

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			
△	ADPI.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	⊕	DSR	STRUCTURE, ROUND	Ⓜ	ICELLT	CELL PHONE TOWER	⊕	MEEP	EASEMENT, EXISTING	⊕	SRM	REFERENCE MARKERS	⊕	UGMH	GAS, MANHOLE			
⊙	AEQNAHD	EQUATION AHEAD	⊕	DSR	STRUCTURE, ROUND	Ⓜ	ICJB	CONDUIT JACK OR BORING	⊕	MEPAP.P	EASEMENT, PERM., APPROX.	⊕	SRSC3	SHLD, CTY, 123 DIG.	⊕	UGLM	GAS, LINE MARKER			
⊙	AEQNBK	EQUATION BACK	⊕	DSR	STRUCTURE, ROUND	Ⓜ	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	⊕	SRSC2	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.	⊕	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT			
⊙	APCC	POINT OF COMPOUND CURVATURE	⊕	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	Ⓜ	ICTU	CONDUIT TURNING UP	⊕	MFP.P	FEE ACQUISITION, BACK LINE	⊕	SRSI	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	Ⓜ	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	SRSN3	SHLD, NATIONAL, 3 DIG.	⊕	ULPP	LIGHTING, POLE, PED.
⊙	APOC	POINT OF CURVATURE				Ⓜ	IEZR	E-ZPASS READER	Ⓜ	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UMFC	MISC. FILLER CAP
△	APOE	POINT OF END				Ⓜ	IEZTR	TRANSMITTAL READER	Ⓜ	IEZTR	TRANSMITTAL READER	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	SRSS3	SHLD, STATE, 3 DIG.	⊕	UOLM	OIL, LINE MARKER
⊙	APOL	POINT ON LINE				Ⓜ	IFXCAB	FIBER OPTIC X-CONNECT CABINET	Ⓜ	IFXCAB	FIBER OPTIC X-CONNECT CABINET	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS4	SHLD, STATE, 4 DIG.	⊕	UP	POLE, WITH UTILITY
⊙	APOS	POINT ON SPIRAL				Ⓜ	IFUSSPL	FUSION SPLICE	Ⓜ	IFUSSPL	FUSION SPLICE	⊕	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL			⊕	UPD	POLE, DEAD (NO UTILITY)
⊙	APOT	POINT ON TANGENT				Ⓜ	IHARADV	HAR ADVISORY SIGN	Ⓜ	IHARADV	HAR ADVISORY SIGN	⊕	MPCC	PT., CROSS CUT				⊕	UPL	POLE, WITH LIGHT
△	APOVC	POINT ON VERTICAL CURVE				Ⓜ	IHARST	HAR SITE	Ⓜ	IHARST	HAR SITE	⊕	MPDH	PT., DRILL HOLE				⊕	USMH	SANITARY SEWER MANHOLE
△	APOVT	POINT ON VERTICAL TANGENT				Ⓜ	ILC	LOAD CENTER	Ⓜ	ILC	LOAD CENTER	⊕	MPF	PT., FENCE LOCATION				⊕	UTB	TELEPHONE, BOOTH
Y	APORC	POINT ON REVERSE CURVE				Ⓜ	IMECSPL	MECHANICAL SPLICE	Ⓜ	IMECSPL	MECHANICAL SPLICE	⊕	MPIP	PT., IRON PIPE				⊕	UTLM	TELEPHONE, LINE MARKER
⊙	APT	POINT OF TANGENCY	Ⓜ	IMSCS	PORT. SPEED & COUNT SENSOR	Ⓜ	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	UTMH	TELEPHONE, MANHOLE						
⊙	APVC	POINT OF VERTICAL CURVATURE	Ⓜ	IMSCS	MICRO SPEED & COUNT SENSOR	Ⓜ	IMSCS	MICRO SPEED & COUNT SENSOR	⊕	MPM	PT., MONUMENT	⊕	UTVLM	CABLE TV, LINE MARKER						
△	APVCC	POINT OF VERT. CMPND CURVE	Ⓜ	IMT	MICROWAVE TRANSCEIVER	Ⓜ	IMT	MICROWAVE TRANSCEIVER	⊕	MPMM	PT., MONUMENT, MISC.	⊕	UTVPB	CABLE TV, PULL BOX						
⊙	APVI	POINT OF VERT. INTERSECTION	Ⓜ	IOVHMS	PERM. OVERHEAD VMS	Ⓜ	IOVHMS	PERM. OVERHEAD VMS	⊕	MPN	PT., NAIL	⊕	UUB	UNKNOWN, BOX						
△	APVRC	POINT OF VERT. REVERSE CURVE	Ⓜ	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	Ⓜ	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE	TRAFFIC WORK ZONE						⊕	UUB	UNKNOWN, BOX
⊙	APVT	POINT OF VERTICAL TANGENCY	Ⓜ	IPEDS	PEDESTRIAN SIGNAL HEAD	Ⓜ	IPEDS	PEDESTRIAN SIGNAL HEAD	⊕	MPSP	PT., SPIKE				⊕	UUB	UNKNOWN, BOX			
⊙	ASC	SPIRAL TO CURVE	Ⓜ	IPSS	PAVEMENT SURFACE SENSOR	Ⓜ	IPSS	PAVEMENT SURFACE SENSOR	⊕	MPST	PT., STAKE				⊕	UUB	UNKNOWN, BOX			
△	ASPI	SPIRAL POINT OF INTERSECTION	Ⓜ	IPVMS	PERM. VMS	Ⓜ	IPVMS	PERM. VMS	⊕	MPTW	PT., TREE W/ WIRE				⊕	UUB	UNKNOWN, BOX			
⊙	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRM	RAMP METER	Ⓜ	IRM	RAMP METER	⊕	MPWL	PT., WALL LOCATION				⊕	UUB	UNKNOWN, BOX			
⊙	AST	SPIRAL TO TANGENT	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION						⊕	UUB	UNKNOWN, BOX			
⊙	ATS	TANGENT TO SPIRAL	Ⓜ	ISP	SOLAR PANEL	Ⓜ	ISP	SOLAR PANEL							⊕	MFS.P.T	FEE ACQUISITION	⊕	UUB	UNKNOWN, BOX
△	AVEVT	VERTICAL EVENT POINT	Ⓜ	ISST	SPREAD SPECT. TRANSCEIVER	Ⓜ	ISST	SPREAD SPECT. TRANSCEIVER							⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	UUB	UNKNOWN, BOX
⊙	AVHIGH	VERTICAL HIGH POINT	Ⓜ	ITDB	TELEPHONE DEMARCATION BLK	Ⓜ	ITDB	TELEPHONE DEMARCATION BLK							⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	UUB	UNKNOWN, BOX
⊙	AVLOW	VERTICAL LOW POINT	Ⓜ	ITP	SUBSURFACE TEMP. PROBE	Ⓜ	ITP	SUBSURFACE TEMP. PROBE							⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	UUB	UNKNOWN, BOX
BRIDGE			Ⓜ	IVTRT	VEHICLE TO RDWY TRANSCEIVER	Ⓜ	IVTRT	VEHICLE TO RDWY TRANSCEIVER				⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	UUB	UNKNOWN, BOX			
			Ⓜ	IWIMD	WEIGHT IN MOTION DETECTOR	Ⓜ	IWIMD	WEIGHT IN MOTION DETECTOR				⊕	RES P	ELEVATION, SPOT	⊕	UUB	UNKNOWN, BOX			
CONTROL			Ⓜ	IWVR	WIRELESS VIDEO REPEATER	Ⓜ	IWVR	WIRELESS VIDEO REPEATER				⊕	RGA	GUIDE RAIL, ANCHOR	⊕	UUB	UNKNOWN, BOX			
			Ⓜ	IWVRC	WIRELESS VIDEO RECEIVER	Ⓜ	IWVRC	WIRELESS VIDEO RECEIVER				⊕	RGP	GUIDE POST, SINGLE	⊕	UUB	UNKNOWN, BOX			
⊕	BSC	BRIDGE, SCUPPER	Ⓜ	IWVTT	WIRELESS VIDEO TRANSMITTER	Ⓜ	IWVTT	WIRELESS VIDEO TRANSMITTER				ROADWAY			⊕	UUB	UNKNOWN, BOX			
⊕	LTS	TREE, STUMP	Ⓜ	LTKP	UNKNOWN POINT	Ⓜ	LTKP	UNKNOWN POINT	⊕	TWZAP.P	ARROW PANEL				⊕	UUB	UNKNOWN, BOX			
△	CBP	BASELINE, POINT	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.						⊕	TWZAPC.P	ARROW PANEL, CAUTION MODE				⊕	UUB	UNKNOWN, BOX			
⊙	CBPOL	BASELINE, POINT ON LINE							⊕	TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT				⊕	UUB	UNKNOWN, BOX			
⊙	CBSP	BASELINE, SPUR POINT							⊕	TWZBCD.P	BARRICADE (TYPE III)				⊕	UUB	UNKNOWN, BOX			
⊙	CBTP	BASELINE, TIE POINT							⊕	TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)				⊕	UUB	UNKNOWN, BOX			
⊕	CPBM	BENCHMARK							⊕	TWZFLG.P	FLAGGER				⊕	UUB	UNKNOWN, BOX			
⊕	CPH	POINT, HORIZ. PHOTOGRAMMETRY							⊕	TWZFT.P	FLAG TREE				⊕	UUB	UNKNOWN, BOX			
⊕	CPSM	POINT, SURVEY MARKER, PERM.							⊕	TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)				⊕	UUB	UNKNOWN, BOX			
⊕	CPSV	POINT, VERT., PHOTOGRAMMETRY							⊕	TWZLUM.P	LUMINAIRE (TEMPORARY)				⊕	UUB	UNKNOWN, BOX			
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY							⊕	TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC	⊕	UUB	UNKNOWN, BOX						
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY							⊕	TWZSDT.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊕	UUB	UNKNOWN, BOX						
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY	⊕	TWZSGN.P	SIGN (TEMPORARY)	⊕	UUB	UNKNOWN, BOX												
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY	⊕	TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)	⊕	UUB	UNKNOWN, BOX												
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY	⊕	TWZWL.P	WARNING LIGHT	⊕	UUB	UNKNOWN, BOX												
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY	⊕	TWZWV.P	WORK VEHICLE	⊕	UUB	UNKNOWN, BOX												
⊕	CPV	POINT, VERT., PHOTOGRAMMETRY	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX												

- 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	SYL



TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/06/2024
TITLE OF DRAWING LEGEND (SHEET 2 OF 2)	DRAWING NUMBER: LEG-2

PARSONS

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
X	TA 201-01	Clearing and Grubbing (Dwg. CG)
	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
	TA 203-02	Slope Flattening Details
X	TA 404-01	Highway Pavement Repair Details (Dwg. PRD)
	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
X	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	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 611-01	Living Snow Fences
	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
X	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
	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
	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
X	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
X	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)
	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)
	TA 619-32	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 619-34	Vacant
X	TA 619-35	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-36	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-37	Buffalo Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
X	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
X	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10 ft Treadle Frame (Sheets 1-4)

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

Highway Work Type

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

MILEPOST FROM: 178.23							
TO: 178.48							
PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements	X						
Drainage							
Rock Slope Remediation							
Pavement Striping	X						
Other:							
PAVEMENT TREATMENT	X	X	X	X	X	X	X
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling	X						
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							
Rubbilize with Overlay							
Other:							

Structure Work Type

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

MILEPOST: 178.38							
PROJECT TYPE	X	X	X	X	X	X	X
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System							
Protective Screening							
Painting							
Steel Repair							
Wearing Surface Treatment							
Deck Repairs							
Joint Rehabilitation							
Joint Replacement							
Bearing Rehabilitation							
Bearing Replacement	X						
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation							
Electrical							
Cathodic Protection System							
Fender or Pier Protection System							
Deck Replacement	X						
Superstructure Replacement							
Bridge Replacement							
Added Bridge (New Location)							
Abandoned Bridge							
Other: Substructure Repairs	X						

New York State Department of Transportation Standard Sheets

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

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

PW/ D. LEVINE CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



PARSONS

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/10/2024
TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1

GENERAL NOTES

- DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION) 2020, AND AS AMENDED BY NEW YORK STATE DEPARTMENT OF TRANSPORTATION LRFD BLUE PAGES, THE NEW YORK STATE THRUWAY AUTHORITY ORANGE PAGES AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL, 2021 U.S. CUSTOMARY EDITION.
- CONSTRUCTION AND MATERIAL SPECIFICATION: ALL WORK UNDER THIS CONTRACT AS SHOWN IN THESE PLANS AND/OR SPECIFICATIONS AND THE ACCOMPANYING PROPOSAL IS TO BE IN CONFORMITY WITH "STANDARD SPECIFICATIONS" (U.S. CUSTOMARY UNITS), NEW YORK STATE DEPARTMENT OF TRANSPORTATION OFFICE OF ENGINEERING, CURRENT VERSION, WITH ALL CURRENT ADDENDA, & ALL REVISIONS ISSUED BY NYS DOT ENGINEERING BULLETINS, DIRECTIVES OR INSTRUCTIONS BEFORE THE FIRST PUBLISH DATE OF THE ADVERTISEMENT FOR THE CONTRACT, EXCEPT AS AMENDED ON THE PLANS AND/OR IN THE SPECIFICATIONS IN THE PROJECT PROPOSAL.
- DESIGN LIVE LOAD: AASHTO HS-20

LOAD RATINGS:

LFR:INVENTORY: HS-21 OPERATING: HS-34

HS LOAD RATINGS WERE COMPUTED IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION 3RD EDITION WITH 2019 AND 2020 INTERIM REVISIONS. ALL RATINGS PROVIDE FOR A 20 PSF FUTURE WEARING SURFACE.
- CONCRETE:
THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS.
- REINFORCEMENT:
UNLESS OTHERWISE NOTED, ALL BAR REINFORCEMENT SHALL BE ASTM A615 GRADE 60 AND BE SUPPLIED GALVANIZED IN ACCORDANCE WITH ASTM A767, AND MEET THE REQUIREMENTS OF NYS DOT MATERIAL SPECIFICATION 709-11. ALL WIRE FABRIC REINFORCEMENT SHALL BE ASTM A1064. NO SUBSTITUTIONS WILL BE ALLOWED. WIRE FABRIC SHALL BE GALVANIZED AND FABRICATED IN ACCORDANCE WITH ASTM A767 AND ASTM A1234 AND MEET THE REQUIREMENTS OF NYS DOT MATERIAL SPECIFICATION 709-02. THE REQUIREMENTS OF ASTM A767 SECTION 4.3 CHROMATING WILL NOT BE WAIVED FOR BAR REINFORCEMENT AND/OR WIRE FABRIC REINFORCEMENT. REINFORCEMENT FOR REINFORCED CONCRETE PIPE AND RELATED DRAINAGE STRUCTURES SHALL MEET THE REQUIREMENTS OF NYS DOT MATERIAL SPECIFICATION "SECTION 706 - CONCRETE, CLAY, AND PLASTIC PIPE".
- THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE THEMSELVES WITH THE PRESENT CONDITIONS AND TO JUDGE FOR THEMSELVES THE EXTENT AND NATURE OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF THEIR FAILURE TO INCLUDE IN THE BID, ALL ITEMS AND MATERIALS WHICH THEY ARE REQUIRED TO FURNISH IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD, ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS TO MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER.

- 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 UNIT BID PRICE FOR THE APPROPRIATE ITEMS.
- THE CONTRACTOR SHALL EXERCISE CAUTION AND PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR BE RE-USED, OR WHICH ARE TO REMAIN THE PROPERTY OF THE THRUWAY 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 THRUWAY AUTHORITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR, WITH NO ADDITIONAL COST TO THE THRUWAY AUTHORITY.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY THEIR OPERATIONS TO THE EXISTING ROADWAYS WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO EXISTING ROADWAYS WHICH ARE NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER, WITHOUT COST TO THE THRUWAY AUTHORITY.
- ALL WORK SHALL BE LIMITED TO WITHIN THE RIGHTS OF WAY, EASEMENTS, OR LIMITS OF RELEASE.
- WHENEVER 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.
- THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.
- HAZARDOUS MATERIALS CONTAINING LEAD AND ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN CERTAIN STRUCTURES CONTAINED IN THE CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURES AND/OR DURING FIELD INSPECTIONS AND ARE PRESENTED IN THE TABLE BELOW. SEE PRELIMINARY ASBESTOS SCREENING: PRELIMINARY INVESTIGATION AND HAZARDOUS MATERIALS WORKPLAN PREPARED BY HUNT EAS DATED MAY 2, 2024 AND REVISED JUNE 7, 2024. ALSO REFERENCE THE LIMITED ASBESTOS SURVEY PREPARED BY ATLANTIC TESTING LABORATORIES DATED OCTOBER 24, 2024.
- UNIT BID PRICES SHALL INCLUDE ANY ADDITIONAL COSTS INCURRED TO MEET U.S. ARMY CORP. OF ENGINEERS, NYSDEC, NYS DOT, US EPA, AND OSHA REGULATIONS.
- THE EXISTING B.I.N. PLATE SHALL BE REMOVED AND RETURNED TO THE AUTHORITY. A NEW B.I.N. PLATE SHALL BE FABRICATED BY THE AUTHORITY AND MOUNTED TO THE BRIDGE BY THE CONTRACTOR UNDER ITEM 645.51000125.
- RECORD PLANS FOR THE EXISTING BRIDGE WILL BE AVAILABLE AS PROJECT SPECIFIC SUPPLEMENTAL INFORMATION.
- NO DIRECT PAYMENT SHALL BE MADE FOR WORK INDICATED ON THE DRAWINGS OR WITHIN THE SPECIFICATIONS FOR WHICH NO ITEM NUMBER IS INDICATED. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

- 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 DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- THE CONTRACTOR IS REQUIRED TO PROTECT THEIR WORKERS IN ACCORDANCE WITH SECTION 107-05 OF THE NYS DOT STANDARD SPECIFICATIONS AND SHALL SUBMIT A HEALTH AND SAFETY PLAN TO THE ENGINEER PRIOR TO COMMENCING WORK.
- SUBSURFACE EXPLORATIONS HAVE NOT BEEN MADE FOR THIS PROJECT. SEE EXISTING DRAWINGS FOR RECORD BORING INFORMATION.
- THERE IS NO IDENTIFIED SPOIL AREA WITHIN THE THRUWAY AUTHORITY'S RIGHT-OF-WAY FOR THIS CONTRACT. THEREFORE, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL AND WASTE FROM THE AUTHORITY'S PROPERTY. THE CONTRACTOR SHALL BID ACCORDINGLY FOR THIS CONDITION.
- THE CONTRACTOR SHALL HAVE AN ENGINEER LICENSED IN THE STATE OF NEW YORK PREPARE AND STAMP PLANS AND CALCULATIONS AS INDICATED IN THE NYS DOT STANDARD SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING WORK:
 - DEMOLITION AND REMOVAL OF STRUCTURES & SUPERSTRUCTURE SLAB
 - SUPERSTRUCTURE SLAB POUR
 - LATERAL STABILITY AND LATERAL, VERTICAL & TORSIONAL STRENGTH OF GIRDERS DURING SUPERSTRUCTURE SLAB POUR
 - TEMPORARY SUPPORTS AT ANY CANTILEVERED SLABS.
 - PIER REPAIR OPERATIONS
 ALL CALCULATIONS FOR THE ABOVE WORK SHALL BE INDEPENDENTLY CHECKED.
- ALL METAL REINFORCING BAR CHAIRS AND SUPPORTS SHALL HAVE PLASTIC SHOES.

BRIDGE REMOVAL, EXCAVATION & BACKFILL NOTES:

- BOTH EXISTING ABUTMENTS AND PIER COLUMNS SHALL BE EXCAVATED TO THE LIMITS INDICATED ON THE PLANS UNDER ITEM 206.01
- THE EXISTING SUPERSTRUCTURE SLAB SHALL BE REMOVED UNDER ITEM 202.2202.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL SAFETY REQUIREMENTS. A SUPERSTRUCTURE SLAB REMOVAL PLAN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO BEGINNING THE DEMOLITION.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS OR OTHER MATERIAL ONTO NYSS & ERIE CANAL TRAILWAY BELOW THE BRIDGE EXCEPT WHERE THE PLANS OR SPECIFICATIONS SPECIFICALLY PERMIT THE DROPPING OF MATERIALS. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED. IF MATERIAL FALLS ON THE AREA BELOW AND ADJACENT TO THE BRIDGE, IT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR ON A DAILY BASIS AT NO COST TO THE THRUWAY 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 PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.
- LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.01 AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF ANY PAINT REMOVAL OR PAINT STRIPPING REQUIRED SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE SUPERSTRUCTURE REMOVAL ITEM. PAINT WASTE SHALL BE COLLECTED FOLLOWING THE REQUIREMENTS OF THE ENVIRONMENTAL GROUND PROTECTION ITEM. PAINT WASTE SHALL BE DISPOSED OF FOLLOWING THE REQUIREMENTS OF NYS DOT STANDARD SPECIFICATIONS SECTION 571 DISPOSAL OF PAINT REMOVAL WASTE.
- IN ADDITION TO THE EXCAVATION PROTECTION SYSTEMS SHOWN IN THE PLANS, (I.E. LAYBACKS), THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL TEMPORARY SUPPORTS, BRACING, AND OTHER DEVICES REQUIRED OR DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF WORKERS, ADJACENT STRUCTURES, ROADWAYS AND UTILITIES. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
- ALL PLACEMENTS OF SELECT STRUCTURAL FILL, ITEM 203.21 SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY. THE CONTRACTOR SHALL ADD WATER AS REQUIRED TO OBTAIN THE SPECIFIED COMPACTION & DENSITY. THE CONTRACTOR SHALL PROVIDE A STANDARD PROCTOR GRAPH FOR THE SELECT MATERIAL USED.
- THE COST OF WATER USED FOR COMPACTION OF VARIOUS ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE ITEM. NO SEPARATE PAYMENT SHALL BE MADE.
- IN THE EVENT THAT WORK IMPACTS EXISTING ROADWAY NYSS EITHER DURING EXCAVATION OR OTHER OPERATIONS, THE ROADWAY SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

SUBSTRUCTURE NOTES:

- THE COST OF ALL JOINT MATERIALS AND WATERSTOPS IS TO BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL EXPOSED EDGES OF ABUTMENTS AND WINGWALLS SHALL HAVE A MINIMUM CHAMFER OF 1", EXCEPT WHERE OTHERWISE NOTED ON THE PLANS.
- REINFORCEMENT BAR SCHEDULES ARE FOR INFORMATION ONLY. ALL BAR SCHEDULES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.

SUPERSTRUCTURE NOTES:

- ALL STEEL FABRICATION IS GOVERNED BY, AND SHALL MEET THE REQUIREMENTS OF, THE NEW YORK STATE STEEL CONSTRUCTION MANUAL, 4TH EDITION (JANUARY 2018), EXCEPT AS DIRECTED WITHIN THESE PLANS OR AS ORDERED BY THE ENGINEER.
- STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE ASTM A709 GR. 50 UNLESS OTHERWISE NOTED.
- ALL BOLTS SHALL BE ASTM F3125 GRADE A325, TYPE 1 H.S. BOLTS WITH ASTM A563 DH HEAVY HEX NUTS & F436 TYPE 1 HARDENED WASHERS. ALL NUTS, BOLTS, & WASHERS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL. ALL NEW H.S. BOLTS SHALL BE 7/8" DIA. EXCEPT AS NOTED.
- WELDING:
ALL WELDING SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL UNLESS OTHERWISE NOTED.
- FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE "TOTAL WEIGHT FOR PROGRESS PAYMENT" IS AS FOLLOWS:

ITEM	TOTAL WEIGHT FOR PROGRESS PAYMENT
564.510001	56,000 LB

* WEIGHT OF WESTBOUND BRIDGE REPAIR STEEL

THESE WEIGHTS SHALL BE USED IN DETERMINING PARTIAL PROGRESS PAYMENTS. UNDER NO CIRCUMSTANCES SHALL THE "TOTAL WEIGHT FOR PROGRESS PAYMENTS" BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THE TOTAL WEIGHT FOR PROGRESS PAYMENT AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND TOTAL WEIGHT FOR PROGRESS PAYMENT SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.

- SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL AND SHALL BE SUBMITTED IN ACCORDANCE WITH THE NYSTA PROCEDURES. SHOP DRAWINGS SHALL BE SUBMITTED IN ENGLISH UNITS OF MEASURE (U.S. CUSTOMARY UNITS). THE WEIGHTS OF ALL COMPONENTS SHALL BE INDICATED ON THE BILL OF MATERIAL WITHIN THE SHOP DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN SUBSECTION 204 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). THE METHODS USED BY THE CONTRACTOR SHALL BE DOCUMENTED ON THE ERECTION DRAWINGS WITH ALL SUPPORTING STABILITY CALCULATIONS SUBMITTED AND STAMPED BY A LICENSED AND REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE SCM.

SAMPLE IDENTIFICATION	MATERIAL	LOCATION	APPROX QUANTITY	ITEM NO.
AT5796A103A AT5796A103B	BLACK SHEET PACKING	BETWEEN ABUTMENT BACKWALL AND SUPERSTRUCTURE SLAB	800 SF	210.481201

* SEE GENERAL NOTE 14

DESIGNED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
PWV/

ALTERED ON: AFFIXED ON: 12/10/2024

SIGNATURE: STAMP:

SIGNATURE: DANIEL A. LEVINE
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/06/2024
TITLE OF DRAWING GENERAL NOTES (SHEET 1 OF 2)	DRAWING NUMBER: GNN-1

GENERAL NOTES (CONT'D)

SUPERSTRUCTURE NOTES:

8. DIAPHRAGMS SHALL BE FABRICATED TO FIT GIRDERS IN-SITU. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO THE PREPARATION OF SHOP DRAWINGS.

9. GALVANIZING NOTES:

ALL STRUCTURAL 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.

a. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.

b. ALL EXPOSED STEEL SURFACES ON DIAPHRAGMS, UTILITY SUPPORTS, AND SHIMS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.

c. REASONABLE ACCOMODATIONS FOR THE PREVENTION OF WET STORAGE STAINING (WHITE RUST) OF HOT-DIPPED GALVANIZED (HDG) MATERIALS SHALL BE PROVIDED AT ALL TIMES. STORAGE OF HDG MATERIALS OUTDOORS SHOULD BE AVOIDED IF POSSIBLE. IF OUTDOOR STORAGE IS UNAVOIDABLE, EXAMPLES OF REASONABLE ACCOMMODATIONS ARE AS FOLLOWS: STORAGE MATERIALS OFF OF THE GROUND AWAY FROM ALL VEGETATION, NON-RESINOUS WOODEN SPACES 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 HAS 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 THRUWAY AUTHORITY.

d. STUD SHEAR CONNECTORS SHALL BE INSTALLED PRIOR TO GALVANIZING. THE CONTRACTOR'S WORKER SAFETY PLAN SHALL SPECIFY THE TYPE OF WALKING/WORKING PRECAUTIONS TO BE IMPLEMENTED TO PROTECT THE WORKERS.

11. PAINTING NOTES:

a. GALVANIZED SURFACES SHALL BE PAINTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 657 OF THE NYS DOT STANDARD SPECIFICATIONS- CONSTRUCTION AND MATERIALS. THE COLOR SHALL CONFORM TO THE REQUIREMENTS OF SECTION 657 OF THE NYS DOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. FINISH COAT COLOR SHALL MATCH THE EXISTING BRIDGE PAINT. VIEWING SHALL BE DONE UNDER NORTHERN STANDARD DAYLIGHT. THESE SURFACES SHALL BE PAINTED IMMEDIATELY AFTER GALVANIZING OR AFTER THE SURFACE HAS WEATHERED FOR A MINIMUM OF 6 MONTHS.

b. EXISTING STEEL UNDER THE BRIDGE JOINTS WITHIN THE "CRITICAL AREA" ARE TO BE CLEANED AND PAINTED UNDER ITEM 574.9403--25. FINISH COAT COLOR SHALL MATCH THE EXISTING BRIDGE PAINT. VIEWING SHALL BE DONE UNDER NORTHERN STANDARD DAYLIGHT.

12. THE COST FOR ALL BOLTS, NUTS, WASHERS, WELDS AND DIAPHRAGM CONNECTION SHIM PLATES SHALL BE INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL ITEM. NO SPECIAL OR DIRECT PAYMENT WILL BE MADE FOR THESE MATERIALS.

SUPERSTRUCTURE SLAB NOTES:

1. DECK FORMS SHALL BE STAY-IN-PLACE (SIP) FORMS BETWEEN ALL GIRDERS AND SHALL BE REMOVABLE FORMS FOR BOTH FASCIA OVERHANGS. SIP FORMS AND SUPPORTS SHALL CONFORM TO ASTM A653, COATING DESIGNATION G235. FABRICATION SHALL BE IN CONFORMANCE WITH ASTM A924.

2. IN ORDER TO PREVENT MOVEMENT OF THE BRIDGE OVERHANG BRACKET DURING DECK CONCRETE PLACEMENT, AS WELL AS TO PREVENT LATERAL DISTORTION OF THE GIRDER WEB, AN OVERHANG BRACKET THAT IS BRACED BY THE BOTTOM FLANGE SHALL BE USED.

3. THE SURFACES OF GIRDERS SHALL BE PROTECTED FROM DECK OVERHANG FORM SUPPORTS TO PREVENT DAMAGE TO THE PAINTED SURFACES.

4. ALL LONGITUDINAL AND TRANSVERSE TOP MAT DECK REINFORCING SHALL BE STAGGERED 1/2 THE SPACING ABOVE THE BOTTOM MAT DECK REINFORCING STEEL UNLESS OTHERWISE INDICATED IN THE PLANS.

5. THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE SLAB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER, ITEM 569.04.

6. PROTECTIVE SEALER, ITEM 559.01, SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES OF THE STRUCTURAL DECK SLAB, BARRIERS, APPROACH SLABS, AND EXPOSED TOP SURFACES OF SLEEPER SLABS. ONLY PENETRATING TYPE SEALER AS INDICATED IN THE SPECIFICATION SHALL BE USED.

WORK ZONE TRAFFIC CONTROL NOTES:

1. PROTECTION OF THE PUBLIC: CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH SECTION 619, THE NYSTA ADDENDUM TO THE STANDARD SPECIFICATIONS, THE TRAFFIC CONTROL PLANS, THE MUTCD, AND THE NEW YORK STATE SUPPLEMENT TO THE MUTCD. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 107, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE CURRENT STANDARD SPECIFICATIONS.

2. FOR ADDITIONAL WORK ZONE TRAFFIC CONTROL NOTES, SEE DWG. TCN-1.

EROSION & SEDIMENT CONTROL NOTES:

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

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

3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRECT OR INDIRECT CONTAMINATION OF ALL WATER BODIES (INCLUDING WETLANDS) BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED CONSTRUCTION. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY GROUND SURFACES OR WATER BODIES (INCLUDING WETLANDS), NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY GROUND SURFACES OR WATER BODIES (INCLUDING WETLANDS). CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT PIT IN ACCORDANCE WITH STANDARD SPECIFICATIONS SHOWN WITHIN NYSDEC'S 2016 BLUE BOOK (SECTION 2 RESOURCE PLANNING). COST SHALL BE INCLUDED IN THE VARIOUS 209 ITEMS.

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

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

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

7. PROVIDE TEMPORARY STABILIZATION (SEED AND MULCH-TEMPORARY, ITEM 209.1003) FOR ALL DISTURBED AREAS AS SOON AS PRACTICABLE AND WITHIN 14-DAYS OF WHEN THE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

ITEM 698.06 STEEL/IRON PRICE ADJUSTMENT NOTES:

1. THE STEEL/IRON PRICE ADJUSTMENT ITEM IS INCLUDED IN THE CONTRACT TO PROTECT THE CONTRACTOR AND AUTHORITY FROM WIDE VARIATIONS IN THE COST OF STEEL DURING THE COURSE OF THIS CONTRACT.

WARNING: UNDERGROUND FIBER OPTIC CONDUIT:

1. THE THRUWAY'S FIBER OPTIC "BACKBONE" IS LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS ADVISED TO CONTACT UDIG NEW YORK AT 1-800-962-7962 (OR 811) PRIOR TO ANY EXCAVATION. FURTHERMORE, PURSUANT TO N.Y.S. CODE RULE 753, THE CONTRACTOR MUST BE PREPARED TO VERIFY THE LOCATION OF THE FIBER OPTIC LINE THROUGH HAND DUG TEST HOLES AT ONE OR MORE LOCATIONS WITHIN THE WORK AREA PRIOR TO ANY EXCAVATION. HAND DUG TEST HOLES SHALL BE PAID FOR UNDER ITEM 206.05 - TEST PIT EXCAVATION (EACH) AS REQUIRED.

UTILITY NOTES:

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

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

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

COORDINATION NOTES:

1. THE CONTRACTOR MAY BE REQUIRED TO COORDINATE THEIR WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES. THE CONTRACTOR SHALL SCHEDULE THEIR OPERATIONS SO AS TO CAUSE MINIMAL DISRUPTION TO TRAFFIC.

WORK TO BE DONE:

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

REHABILITATION OF WESTBOUND STRUCTURE:

1. ESTABLISH AND PERFORM WORKZONE TRAFFIC CONTROL TO SET-UP CROSS-OVER.
2. ESTABLISH AND PERFORM WORKZONE TRAFFIC CONTROL TO SHIFT TRAFFIC TO EASTBOUND STRUCTURE.
3. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
4. INSTALL WZTC MEASURES ALONG NY55 AND PROTECTIVE SHIELDING OVER THE ERIE CANALWAY TRAIL.
5. REMOVE AND DISPOSE OF EXISTING SUPERSTRUCTURE SLAB, END DIAPHRAGMS, BEARINGS, PEDESTALS, AND PORTIONS OF THE SUBSTRUCTURE AS INDICATED. REMOVAL OF DECK IS TO UTILIZE A HOLD AND RELEASE (TRAFFIC CONTROL) METHOD ON NY ROUTE 55 IN COORDINATION WITH LOCAL AUTHORITIES.

6. EXCAVATE FOR PROPOSED SUBSTRUCTURE REPAIRS.

7. PERFORM SUBSTRUCTURE REPAIRS.

8. INSTALL NEW GIRDER END DIAPHRAGMS.

9. INSTALL NEW GIRDER BEARINGS.

10. CONSTRUCT BRIDGE DECK AND TOPSIDE FEATURES.

11. CONSTRUCT BEGIN AND END APPROACH SLAB.

12. RECONSTRUCT BEGIN AND END APPROACHES.

13. TIE-IN PROPOSED WORK WITH EXISTING. CUT AND MILL PORTION OF EXISTING PAVEMENT TO COMPLETE TIE-IN.

REHABILITATION OF EASTBOUND STRUCTURE:


14. ESTABLISH AND PERFORM WORKZONE TRAFFIC CONTROL TO SHIFT TRAFFIC TO WESTBOUND STRUCTURE.

15. REPEAT STEPS 4 THROUGH 13 FOR THE EASTBOUND STRUCTURE.

16. USING SHORT-DURATION LANE CLOSURES, INSTALL NEW PAVEMENT MARKINGS AND SIGNS AS SHOWN ON THE CONTRACT PLANS. REMOVE WORKZONE TRAFFIC CONTROL AND SPLIT TRAFFIC TO FINAL EASTBOUND AND WESTBOUND LAYOUT.

17. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER TURF ESTABLISHMENT.

PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

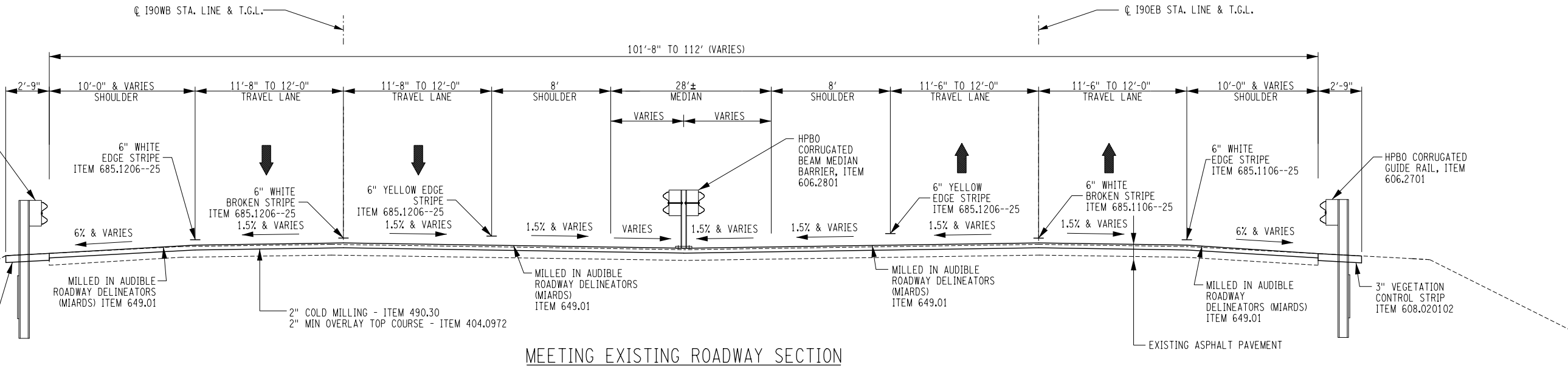
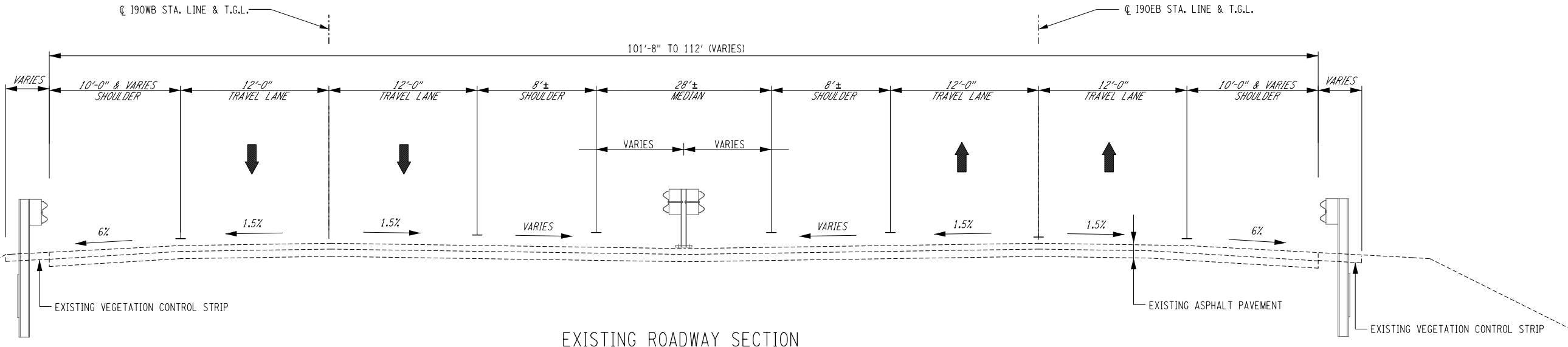
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/06/2024
TITLE OF DRAWING GENERAL NOTES (SHEET 2 OF 2)	DRAWING NUMBER: GNN-2

PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: TA



- NOTES:
- EXISTING STRIPED TRAVEL LANE AND SHOULDER WIDTHS VARY.
 - STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
 - PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
 - REFER TO GNP-01 TO GNP-03 FOR LOCATION OF GUIDE RAILS.

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
 STAMP:

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
404.0972	9.5 F2 TOP COURSE HMA, 70 SERIES COMPACTION	TON	685.1106--25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
407.0103	STRAIGHT TACK COAT	GAL	685.1206--25	YELLOW REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF			
606.2801	HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER	LF			
608.020102	VEGETATION CONTROL STRIP	TON			
649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF			

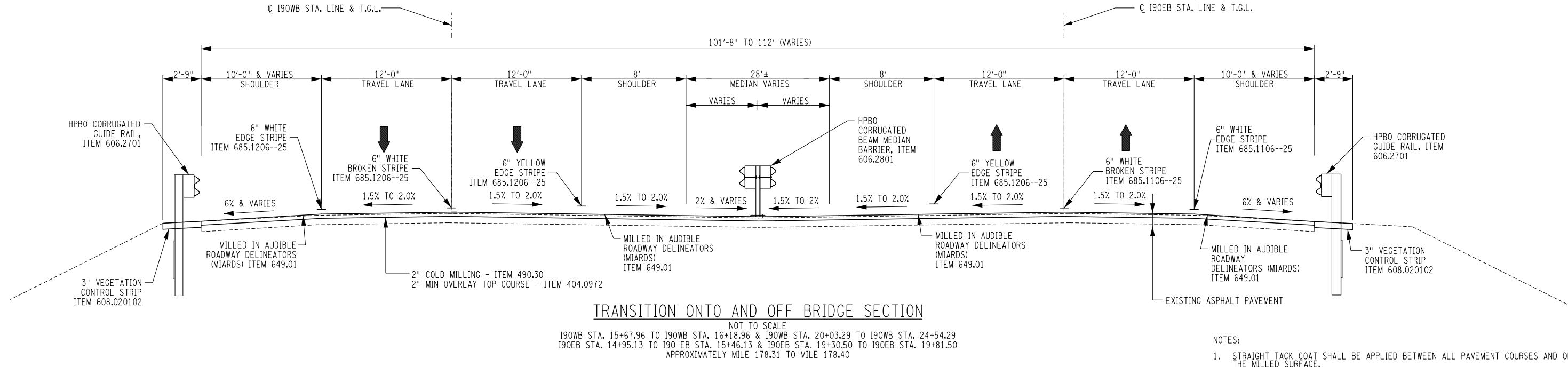
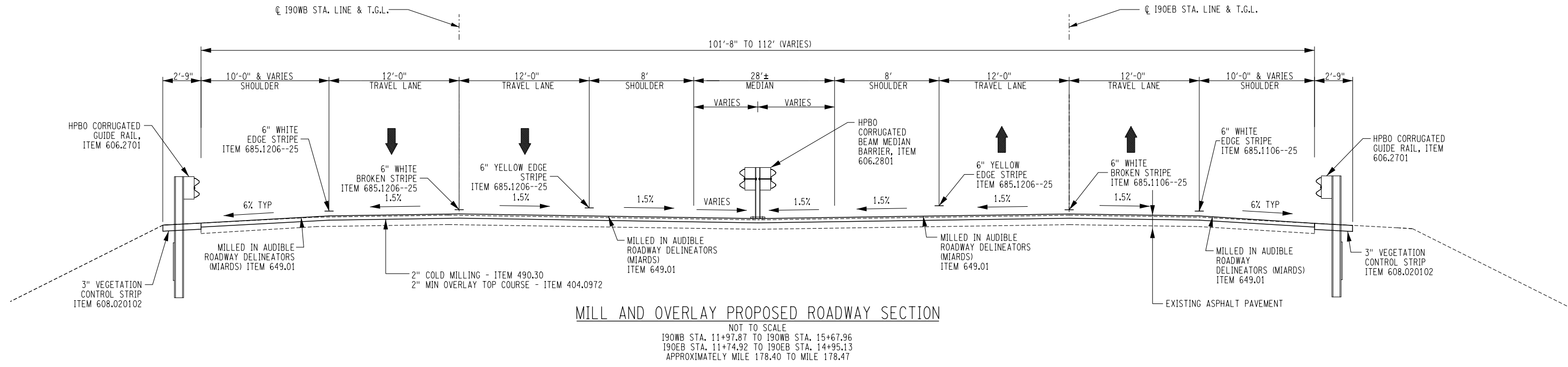
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING TYPICAL SECTION (SHEET 1 OF 3)	DRAWING NUMBER: TYP-01

PW/ CHECKED BY: TA DRAFTED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: TA



- NOTES:
1. STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
 2. PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
 3. REFER TO GNP-01 TO GNP-03 FOR LOCATION OF GUIDE RAILS.
 4. SAFETY EDGE TAPER IS TO BE 35 DEGREES FROM FINISHED GRADE.
 5. SEE PLAN FOR SHOULDER WIDTH AND LANE TRANSITIONS.

ALTERED ON:

AFFIXED ON: 12/10/2024

SIGNATURE: DANIEL A. LEVINE
STAMP:

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
404.0972	9.5 F2 TOP COURSE HMA, 70 SERIES COMPACTION	TON	685.1106--25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
407.0103	STRAIGHT TACK COAT	GAL	685.1206--25	YELLOW REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF			
606.2801	HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER	LF			
608.020102	VEGETATION CONTROL STRIP	TON			
649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF			

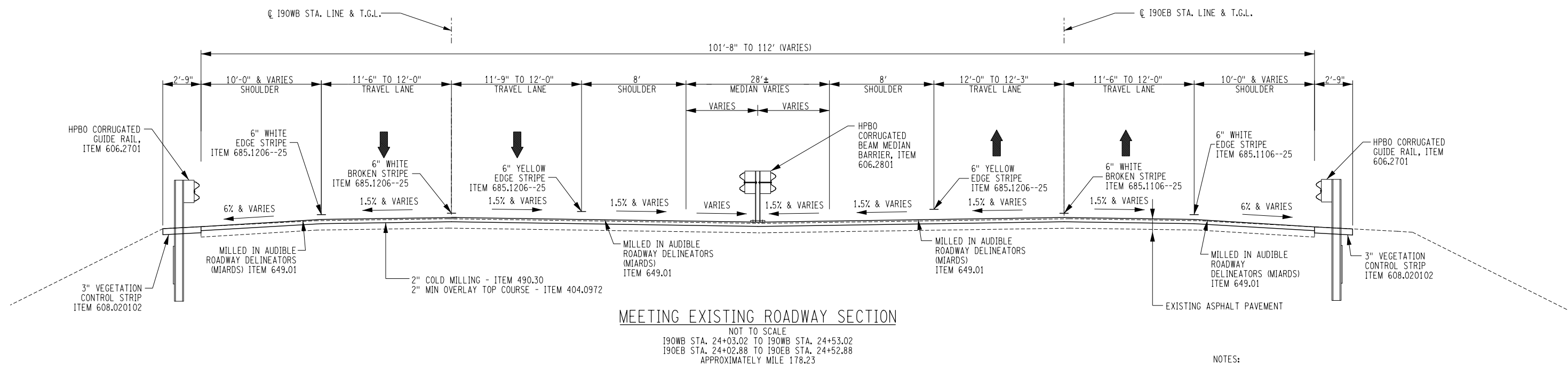
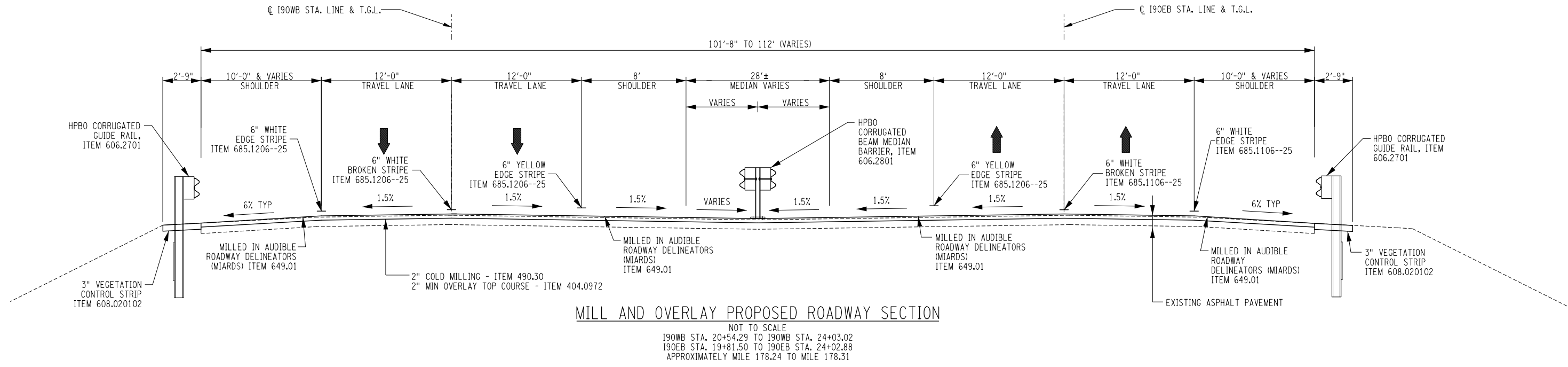
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DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING TYPICAL APPROACH SECTION (SHEET 2 OF 3)	DRAWING NUMBER: TYP-02

PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: TA



- NOTES:
1. STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
 2. PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
 3. REFER TO GNP-01 TO GNP-03 FOR LOCATION OF GUIDE RAILS.
 4. SAFETY EDGE TAPER IS TO BE 35 DEGREES FROM FINISHED GRADE.
 5. SEE PLAN FOR SHOULDER WIDTH AND LANE TRANSITIONS.

ALTERED ON:

AFFIXED ON: 12/10/2024

SIGNATURE: DANIEL A. LEVINE
STAMP:

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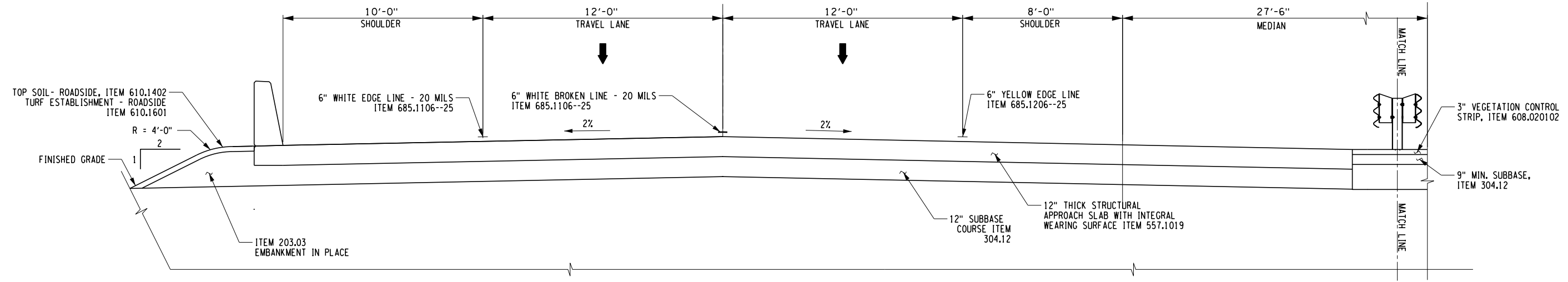
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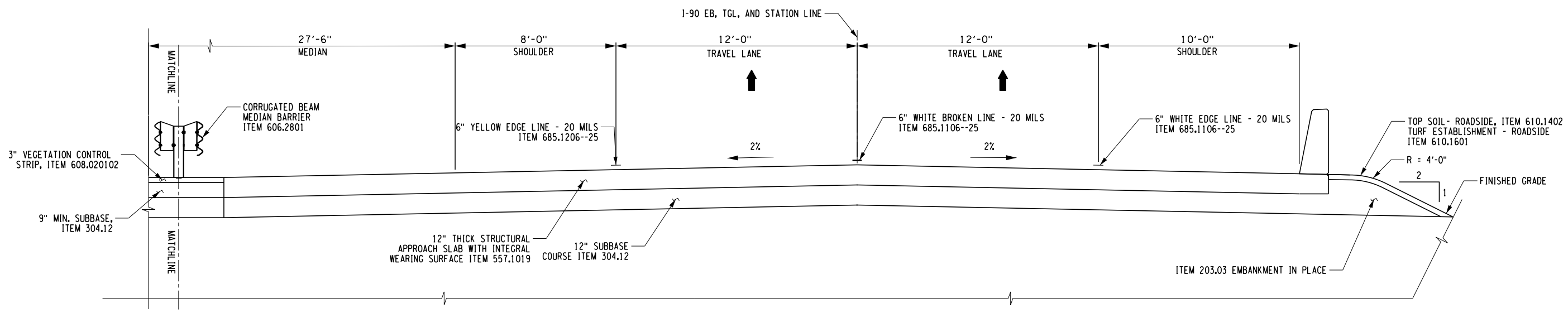
TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S
 LOCATION OF PROJECT: ALBANY DIVISION MP 178.38
 TITLE OF DRAWING: TYPICAL APPROACH SECTION (SHEET 3 OF 3)

CONTRACT NUMBER: TAA 25-06B
 DATE: 12/11/2024
 DRAWING NUMBER: TYP-03


PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



PROPOSED I-90 OVER NY ROUTE 5S WB TYP. APPROACH SECTION (LOOKING UPSTATION)
 STA. 16+18.96 TO 16+44.96 AND 19+77.29 TO 20+03.29
 SCALE: 3/16" = 1'-0"




PROPOSED I-90 OVER NY ROUTE 5S EB TYP. APPROACH SECTION (LOOKING UPSTATION)
 STA. 15+46.13 TO 15+72.13 AND 19+04.47 TO 19+30.47
 SCALE: 3/16" = 1'-0"

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING TYPICAL APPROACH SECTIONS		DRAWING NUMBER: TYP-4

CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

A. GENERAL NOTES

1. ALL WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE NYS SUPPLEMENT AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYS DOT) STANDARD SPECIFICATION SECTION 619, AND NYSTA SUPPLEMENT TO THE STANDARD SPECIFICATIONS, EXCEPT WHERE MODIFIED BY THE CONTRACT PLANS AND PROPOSAL.
2. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONDITION OR PRACTICE, ALL OPERATIONS IN THAT AREA SHALL CEASE. IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE ENGINEER BEFORE WORK MAY BE RESUMED.
3. MOBILE LANE CLOSURES MAY BE UTILIZED TO INSTALL TRAFFIC CONTROL DEVICES.
4. A QUANTITY OF 6 PORTABLE VARIABLE MESSAGE SIGNS IN CONFORMANCE WITH ITEM 619.110513 HAVE BEEN INCLUDED IN THIS CONTRACT 2 ARE FOR USE ON THE MAINLINE, 2 ARE FOR USE ON NYS ROUTE 5S, AND 2 ARE FOR USE ON THE CANALWAY TRAIL. THE LOCATION OF EACH SIGN SHALL BE DETERMINED BY THE NEW YORK STATE THRUWAY AUTHORITY (NYSTA). PORTABLE VARIABLE MESSAGE SIGNS (PVMS) WILL BE OPERATED BY THE THRUWAY STATEWIDE OPERATIONS CENTER (TSOC). THE SOFTWARE CONTROL PACKAGE SHALL BE NTCIP PROTOCOL COMPLIANT COMMUNICATING THROUGH DAKTRONICS VANGUARD SOFTWARE, OR VER-MAC CENTRALO VERSION 3.0.2.1.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES THROUGHOUT THE PROJECT AREA AT ALL TIMES. ALL EXISTING HIGHWAY MEDIAN TURNAROUND AREAS OUTSIDE THE WORK ZONE TRAFFIC CONTROL LIMITS SHALL REMAIN OPEN FOR EMERGENCY VEHICLE USE.
6. CLOSURES REQUIRING NIGHTTIME WORK SHALL BE CONDUCTED IN CONJUNCTION WITH THE REQUIREMENTS OF SECTION 619-3.19 OF THE NYS DOT STANDARD SPECIFICATIONS. COST TO BE INCLUDED IN ITEM 619.24.
7. ALL EXISTING PAVEMENT MARKINGS ON THE THRUWAY MAINLINE THAT CONFLICT WITH WORK ZONE TRAFFIC CONTROL MARKINGS SHALL BE COVERED UNDER PAY ITEM 619.0803.

B. CHANGES TO WORK ZONE TRAFFIC CONTROL (WZTC) PLANS:

1. LANE AND SHOULDER CLOSURES, AND WORK HOUR RESTRICTIONS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER SHALL RETAIN THE RIGHT TO CHANGE LANE AND SHOULDER CLOSURES AND WORK HOUR RESTRICTIONS THROUGHOUT THE DURATION OF THE CONTRACT.
2. THE CONTRACTOR MAY SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL CHANGES TO THE WORK ZONE TRAFFIC CONTROL SCHEMES AND CONSTRUCTION SEQUENCES PRESENTED IN THESE PLANS.
3. THE WORK ZONE TRAFFIC CONTROL SCHEMES INCLUDED IN THESE PLANS DESCRIBE RECOMMENDED METHODS AND NECESSARY CONTROL DEVICES. THE ENGINEER MAY ORDER ADDITIONAL METHODS, ADDITIONAL DEVICES, OR ANY COMBINATION THEREOF, TO BETTER MEET FIELD CONDITIONS.
4. ANY PROPOSED TRAFFIC CONTROL SCHEME THAT DEVIATES FROM THE WORK ZONE TRAFFIC CONTROL DRAWINGS, INCLUDING THE RESTRICTIONS STATED THEREIN, WILL ONLY BE CONSIDERED AS PART OF A VALUE ENGINEERING PROPOSAL.

C. WZTC RESTRICTIONS:

1. INTERSTATE TRAFFIC SHALL BE MAINTAINED ON A PAVED SURFACE AT ALL TIMES. THE MINIMUM LANE WIDTH SHALL BE 11FT.
2. THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE DAWN OR AFTER SUNSET WITHOUT AN APPROVED LIGHTING PLAN. THE LIGHTING PLAN SHALL BE APPROVED PRIOR TO START OF WORK BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A LIGHTING PLAN IN CONFORMANCE WITH SPECIFICATION SECTION 619.5.19 NIGHTTIME OPERATIONS, AND SHALL BEAR ALL COSTS.
3. LANE CLOSURES SHALL NOT BE ALLOWED WHEN EITHER VISIBILITY OR PAVEMENT CONDITION ARE JUDGED TO BE INADEQUATE BY THE ENGINEER.
4. THE CONTRACTOR SHALL SCHEDULE AND PROGRESS THE CONTRACT WORK IN A MANNER THAT MINIMIZES THE DURATION OF LANE CLOSURES. LANE CLOSURES SHALL BE USED ONLY WHEN WORK IS ACTUALLY IN PROGRESS.
5. SEE LANE CLOSURES CHARTS ON NYSTA STANDARD SHEETS TA 619-31 FOR LANE CLOSURE RESTRICTIONS.

D. WZTC COORDINATION:

1. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE OTHER CONTRACTS, MAINTENANCE OPERATIONS, OR BRIDGE INSPECTIONS IN PROGRESS IN THE WORK AREA. THE ENGINEER AND THE CONTRACTOR SHALL COMMUNICATE WITH, AND COORDINATE OPERATIONS WITH, THE OTHER OPERATIONS SO THAT NO CONFLICT IN WORK SCHEDULING OR LOCATION OCCURS. LANE CLOSURES SHALL BE REPORTED TO THE NYSTA, ONE WEEK IN ADVANCE OF THE CLOSURE.
2. BEFORE ANY ROADWAY WIDTH RESTRICTIONS CAN BE MADE, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH TWENTY-ONE (21) CALENDAR DAYS NOTICE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY UPON THE REMOVAL OF THE LANE WIDTH RESTRICTION. FAILURE OF THE CONTRACTOR TO PROVIDE THE NECESSARY NOTICE MAY RESULT IN DELAYS TO THE CONTRACTOR'S OPERATIONS.

E. WZTC SIGNING AND DEVICES:

1. THE SIGN AND APPURTENANCE DISTANCES SHOWN ON THE WZTC PLANS ARE APPROXIMATE. THE DISTANCES MAY BE AMENDED BY THE ENGINEER TO BETTER MEET FIELD CONDITIONS.
2. THE CONSTRUCTION AND REGULATORY SIGNS FOR A PARTICULAR WORK ZONE TRAFFIC CONTROL PHASE SHALL BE IN PLACE PRIOR TO THE START OF THAT PHASE. ALL CONSTRUCTION SIGNS SHALL EITHER BE REMOVED OR COVERED COMPLETELY WITH OPAQUE MATERIAL WHEN NOT REQUIRED.
3. ALL SIGNS, INCLUDING GUIDE SIGNS, SHALL INDICATE THE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, REPOSITIONED, OR CHANGED IMMEDIATELY AS DIRECTED BY THE ENGINEER. NO SIGN SHALL BE PLACED AT ANY LOCATION WHERE IT COULD BE OBTURED BY TEMPORARY OR PERMANENT OBJECTS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL.
4. THE BOTTOM OF TEMPORARY CONSTRUCTION SIGNS SHALL BE A MINIMUM OF 7 FT ABOVE THE EDGE OF SHOULDER.
5. THE FLAGS SHALL BE INSTALLED ON SIGNS AT LOCATIONS IDENTIFIED ON THE PLANS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 WORK ZONE TRAFFIC CONTROL.
6. AT NIGHT, FLASHING ARROW BOARDS SHALL NOT BE OPERATED AT SUCH BRIGHTNESS THAT SIGNS, DRUMS, IMPACT ATTENUATION DEVICES, OR OTHER TRAFFIC CONTROL DEVICES CANNOT EASILY BE SEEN BY APPROACHING MOTORISTS. TO ENSURE THAT FLASHING ARROW BOARDS ARE NOT TOO BRIGHT FOR NIGHT OPERATION, THE CONTRACTOR SHALL MAKE AN ON SITE INSPECTION OF EACH ARROW BOARD AT THE BEGINNING OF ITS FIRST NIGHT OF OPERATION. IF THIS INSPECTION FINDS THAT AN ARROW BOARD IS TOO BRIGHT, THE CONTRACTOR SHALL PROMPTLY REDUCE THE LAMP INTENSITY. IN THIS CONTEXT, "PROMPTLY", SHALL MEAN NO LATER THAN THE BEGINNING OF THE NEXT NIGHT OF THE ARROW BOARD'S OPERATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL. FAILURE TO COMPLY WITH THIS NOTE SHALL BE CONSIDERED UNSATISFACTORY WORK ZONE TRAFFIC CONTROL. PAYMENT DEDUCTIONS SHALL BE MADE IN CONFORMANCE WITH SECTION 619, WORK ZONE TRAFFIC CONTROL.
7. IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE NYS DOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY TRAFFIC CONTROL DEVICES. THAT IS, THE CONTRACTOR SHALL ENSURE THAT ALL SUCH ITEMS AS SIGNS, CONES, FLASHERS, DRUMS, ETC. ARE IN PLACE AND IN GOOD CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD THE MAINTENANCE AND PROTECTION OF TRAFFIC.
8. WZTC SIGNS AND APPURTENANCES SHALL BE PLACED/STORED OFF THE EDGE OF SHOULDER. THE CONTRACTOR IS ENCOURAGED TO LEAVE SIGNS AND APPURTENANCES BEHIND APPROVED BARRIER IN THE AREA THAT THEY ARE NEEDED TO REDUCE CLOSURE SETUP TIME AND MAXIMIZE THE AMOUNT OF "WORK TIME" DURING EACH WORK DAY. WZTC SIGNS AND APPURTENANCES SHALL NOT BE STORED OFF THE EDGE OF THE SHOULDER FROM NOVEMBER 15 TO APRIL 1, THEY SHALL BE PICKED UP AT THE END OF EACH WORK DAY.

F. CONSTRUCTION VEHICLES:

1. PARKING OF PERSONAL VEHICLES IS PROHIBITED WITHIN THE PROJECT LIMITS. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED WITHIN 30 FT OF THE EDGE OF PAVEMENT OF MAINLINE AND ROADS. ALL PARKING PLANS MUST BE APPROVED BY THE ENGINEER.
2. DRIVING AGAINST TRAFFIC, REGARDLESS OF WHETHER OR NOT THE AREA HAS BEEN CLOSED TO TRAFFIC, SHALL NOT BE ALLOWED AT ANYTIME EXCEPT FOR TRAFFIC CONE PICKUP AND ON CLOSED RAMPS AND AS SPECIFICALLY PERMITTED BY THE ENGINEER.
3. ESCORT VEHICLES EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT OR AN OPERATING ARROW BOARD SHALL BE REQUIRED WHEN TRANSPORTING SLOW MOVING CONSTRUCTION EQUIPMENT ALONG ANY PORTION OF THE ROADWAY THAT IS OPEN TO TRAFFIC UNLESS PROTECTED BY AN APPROVED PHYSICAL BARRIER.
4. ALL VEHICLES THAT WILL MOVE INTO AND OUT OF TRAFFIC AT WORK AREAS SHALL BE EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT THAT SHALL BE MOUNTED SO AS TO BE EASILY SEEN BY APPROACHING TRAFFIC.

G. RESPONSIBILITY FOR EMERGENCY REPAIRS:

1. THE CONTRACTOR SHALL SUBMIT, IN WRITING, TO THE ENGINEER IN CHARGE, THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF HIS/HER AND ANY SUB CONTRACTOR'S STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS.

H. ROADSIDE HAZARDS:

1. IF THE SHOULDER TO BE USED FOR WORK ZONE TRAFFIC CONTROL SHOWS SIGNS OF DISTRESS, IT SHALL BE REPLACED PRIOR TO TRAFFIC BEING PLACED ON IT. THE SHOULDER SHALL BE CLOSED USING THE TYPICAL WORK ZONE TRAFFIC CONTROL SCHEMES FOR SHOULDER CLOSURES SHOWN IN THE NYSTA STANDARD SHEETS.
2. EXCAVATIONS THAT PRODUCE A DROP OFF ON BOTH SIDES OF THE TRAVEL LANES SHALL NOT BE PERMITTED, UNLESS PROTECTED WITH CONCRETE BARRIER. SEE TABLE 619-3 IN SECTION 619-3.02K FOR PAVEMENT EDGE DROP-OFF PROTECTION.
3. WHEN NOT IN USE, THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION EQUIPMENT, SIGNS, TRAFFIC CONTROL DEVICES, MATERIALS OR ANY OTHER APPURTENANCES ALONG THE ROADWAY WITHIN THE CLEAR ZONE UNLESS PROTECTED BY AN APPROVED PHYSICAL BARRIER.
4. 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 619-3.02E. DELINEATION AND DROP OFF PROTECTION SHALL BE AS SPECIFIED IN SECTION 619 WORK ZONE TRAFFIC CONTROL.

I. 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.

J. BARRIER VEHICLE WITH MOUNTED ATTENUATORS

1. BARRIER VEHICLES (BV) WITH MOUNTED ATTENUATORS ARE REQUIRED WHEN WORKERS ARE PRESENT IN A CLOSED TRAVEL LANE OR CLOSED SHOULDER. A BV SHALL BE USED AT EACH WORK LOCATION WITHIN THE CLOSURE. THE COST SHALL BE INCLUDED IN THE COST BID FOR ITEM 619.01.
2. BARRIER VEHICLES WITH MOUNTED ATTENUATORS SHALL BE PLACED TO ACCOMMODATE ANTICIPATED ROLL-AHEAD DISTANCE (DISTANCE BETWEEN THE FRONT OF THE BV TRUCK AND THE FIRST WORKER OR VEHICLE TO BE PROTECTED). FOLLOW TRUCK MANUFACTURER'S INSTRUCTIONS.

K. FLASHING ARROW PANEL


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.

L. NIGHTTIME OPERATION

1. LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE SCHEDULE AND SUSPENSION OF WORK INCLUDED IN THE CONTRACT PROPOSAL.
2. THE CONTRACTOR IS ENCOURAGED TO ESTABLISH PERMANENT LIGHTING SETUPS ALONG THE WORK ZONE TO MAXIMIZE THE AMOUNT OF "WORK TIME" EACH NIGHT. THE CONTRACTOR SHALL SUBMIT HIS LIGHTING PLAN 30 DAYS PRIOR TO THE START OF NIGHTTIME OPERATIONS.
3. NIGHTTIME OPERATIONS SHALL COMPLY WITH SECTION 619-3.19 OF THE STANDARD SPECIFICATIONS.



M. SEQUENCE OF OPERATIONS: I-90 OVER NYS ROUTE 5S

- STAGE 1
ESTABLISH STAGE 2 WB CROSSOVER AND STAGE 2 EB SHIFT ON MAINLINE.
- STAGE 2
INSTALL PEDESTRIAN PROTECTION SYSTEM ON TRAIL.
INSTALL TPB AND SHOULDER CLOSURES ALONG NYS ROUTE 5S.
UTILIZE LANE CLOSURES ON NYS ROUTE 5S AS NEEDED FOR WORK UNDER BRIDGE.
UTILIZE TEMPORARY STOPPAGES ON NYS ROUTE 5S WHILE RAISING AND LOWERING STEEL.
REMOVE WB BRIDGE.
CONSTRUCT WB BRIDGE.
- STAGE 3
PLACE WB TRAFFIC BACK ON NEW WB BRIDGE.
REMOVE STAGE 2 CROSSOVER.
ESTABLISH STAGE 4 WZTC, EB CROSSOVER, WB SHIFT.
- STAGE 4
UTILIZE LANE CLOSURES ON NYS ROUTE 5S AS NEEDED FOR WORK UNDER BRIDGE.
UTILIZE TEMPORARY STOPPAGES ON NYS ROUTE 5S WHILE RAISING AND LOWERING STEEL.
REMOVE EB BRIDGE.
CONSTRUCT EB BRIDGE.
- STAGE 5
REMOVE PEDESTRIAN PROTECTION SYSTEM ON TRAIL.
REMOVE TPB AND SHOULDER CLOSURES ALONG NYS ROUTE 5S.
PLACE EB TRAFFIC BACK ON NEW EB BRIDGE.
REMOVE STAGE 4 CROSSOVER.
- STAGE 6
UTILIZE DAILY LANE CLOSURES TO COMPLETE MILL AND INLAY OPERATIONS ON BOTH EB AND WB.
- STAGE 7
COMPLETE ALL FINAL PAVEMENT MARKINGS ON MAINLINE AND NYS ROUTE 5S USING MOBILE OPERATIONS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING TRAFFIC CONTROL NOTES		DRAWING NUMBER: TCN-1

CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
1		NYR9-12	48 X 72	WHITE	BLACK	
2		W20-1	48 X 48	ORANGE	BLACK	
3		R4-9	36 X 48	WHITE	BLACK	
4		W1-4bR	48 X 48	ORANGE	BLACK	
5		W1-4bL	48 X 48	ORANGE	BLACK	
6		W3-5	48 X 48	ORANGE	BLACK	
7		G20-5aP	36 X 24	ORANGE	BLACK	
8		R2-1	36 X 48	WHITE	BLACK	

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
9		OM3-L	12 X 36	YELLOW	BLACK	
10		OM3-R	12 X 36	YELLOW	BLACK	
11		G20-2	36 X 18	ORANGE	BLACK	
12		R2-11	36 X 48	WHITE	BLACK	
13		R2-12	36 X 54	WHITE	BLACK	
14		W1-4bL MOD	30 X 36	ORANGE	BLACK	
15		W1-4bR MOD	30 X 36	ORANGE	BLACK	
16		W1-8R	30 X 36	YELLOW	BLACK	

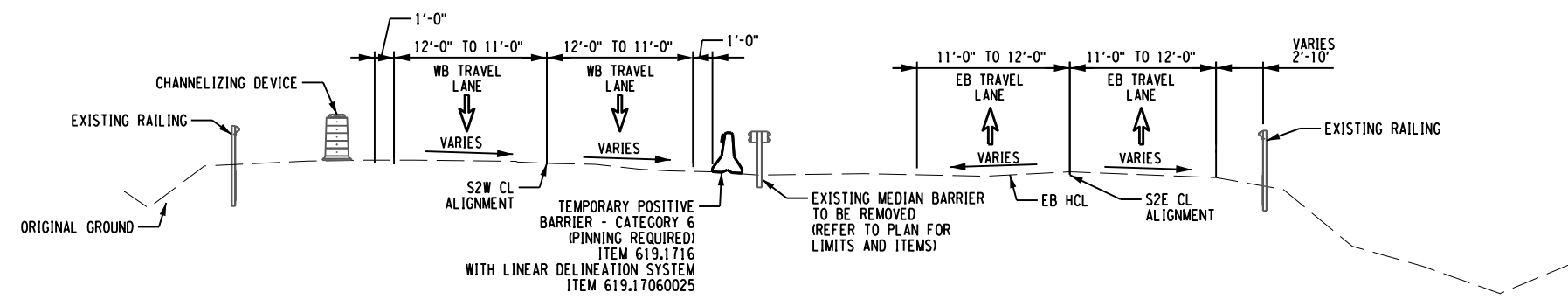
ALTERED ON:	AFFIXED ON: 12/06/2024
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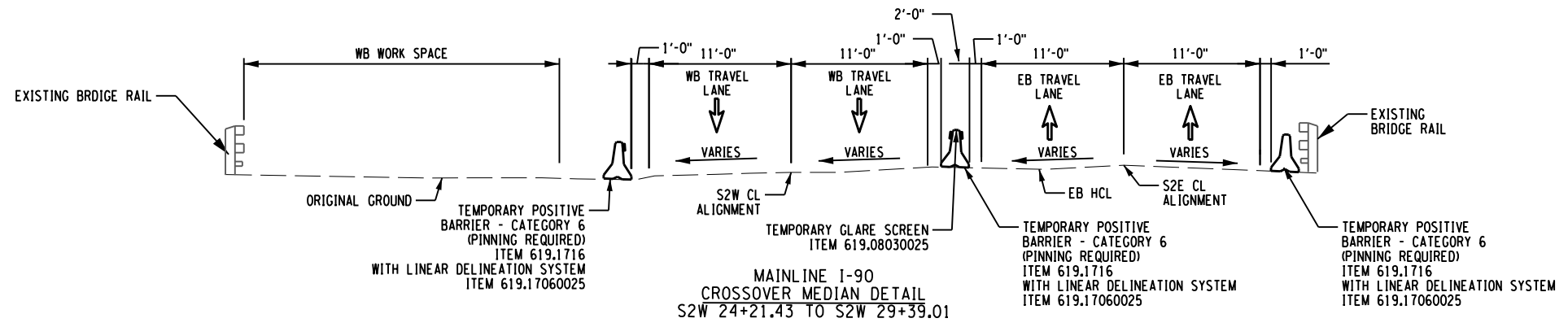
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
 ALBANY, NY 607-798-3931 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

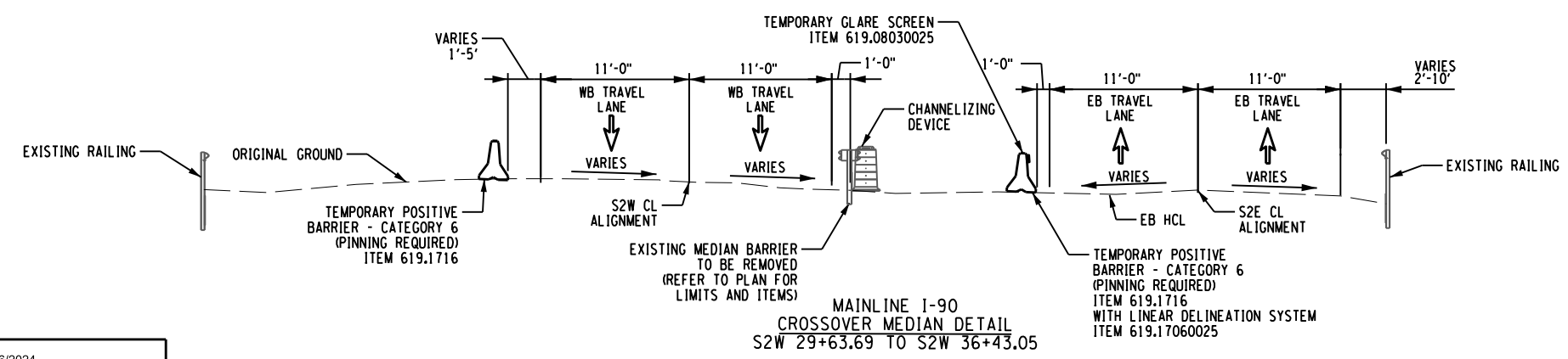
TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL SIGN TABLE	DRAWING NUMBER: WZSD-1



MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S2W 16+68.58 TO S2W 24+21.43



MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S2W 24+21.43 TO S2W 29+39.01



MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S2W 29+63.69 TO S2W 36+43.05

CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

ALTERED ON:	AFFIXED ON: 12/06/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JAMES M. CUMMINGS
LICENSED PROFESSIONAL ENGINEER
080958
EXP. 12/31/2026

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HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
ALBANY, NY 607-798-8981 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TYPICALS STAGE 2	DRAWING NUMBER: TC-1

CONTRACT NUMBER: TAA 25-06B
DATE: 12/6/2024
DRAWING NUMBER: TC-1

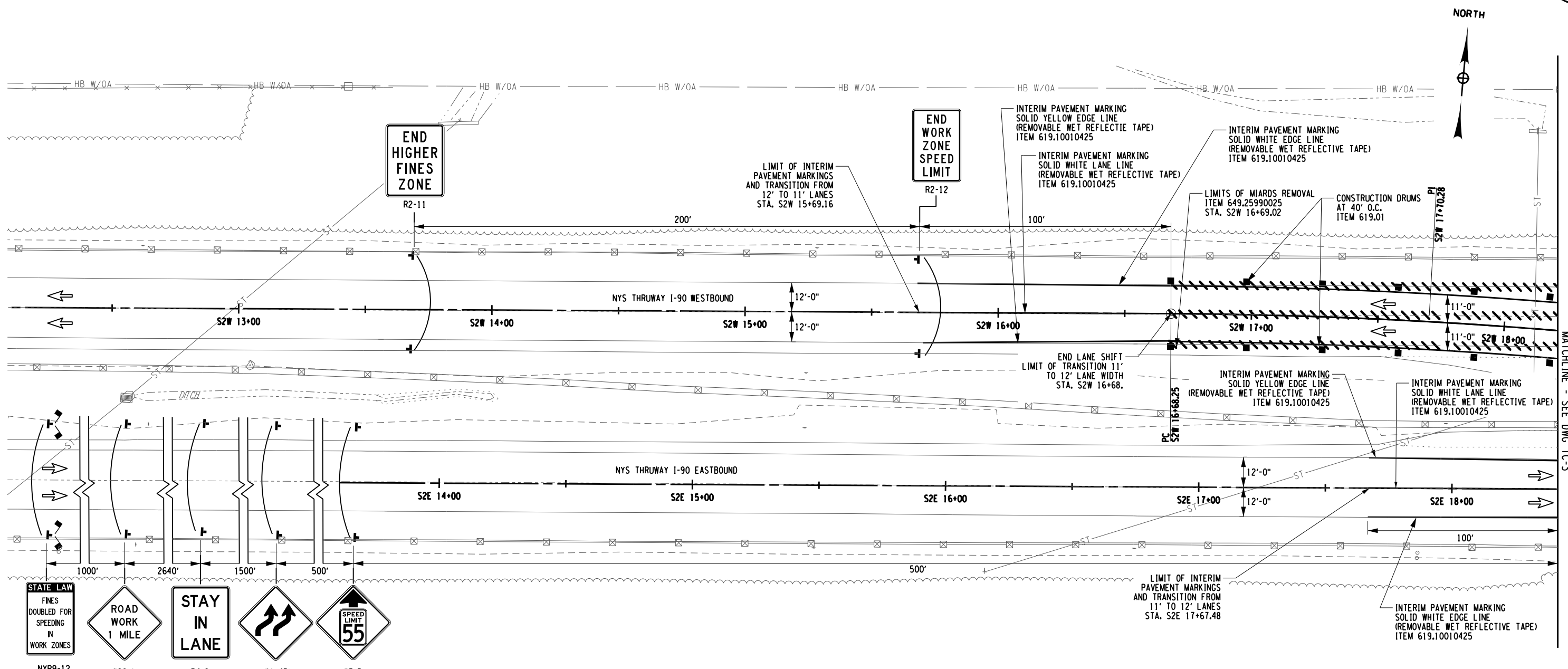
CHECKED BY: JMC

DRAFTED BY: RM

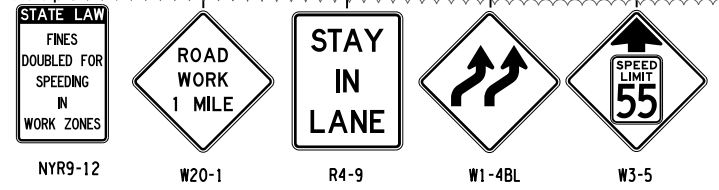
CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

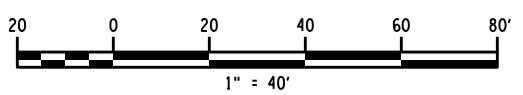


WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2



LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER (TPB)
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 2 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

- NOTES:
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCRANCH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
 2. MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



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SIGNATURE: _____ SIGNATURE: _____
STAMP: _____ STAMP: _____

STATE OF NEW YORK
JAMES M. CUMMINGS
LICENSED PROFESSIONAL ENGINEER
080958
EXP. 12/31/2026

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE
Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
ALBANY, NY 607-798-8981 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT
REHABILITATION OF I-90 BRIDGE OVER
NY 5S & ERIE CANAL TRAIL

LOCATION OF PROJECT
ALBANY DIVISION
MP 178.38

TITLE OF DRAWING
**WORK ZONE
TRAFFIC CONTROL
STAGE 2**

CONTRACT NUMBER:
TAA 25-06B

DATE:
12/6/2024

DRAWING NUMBER:
TC-2

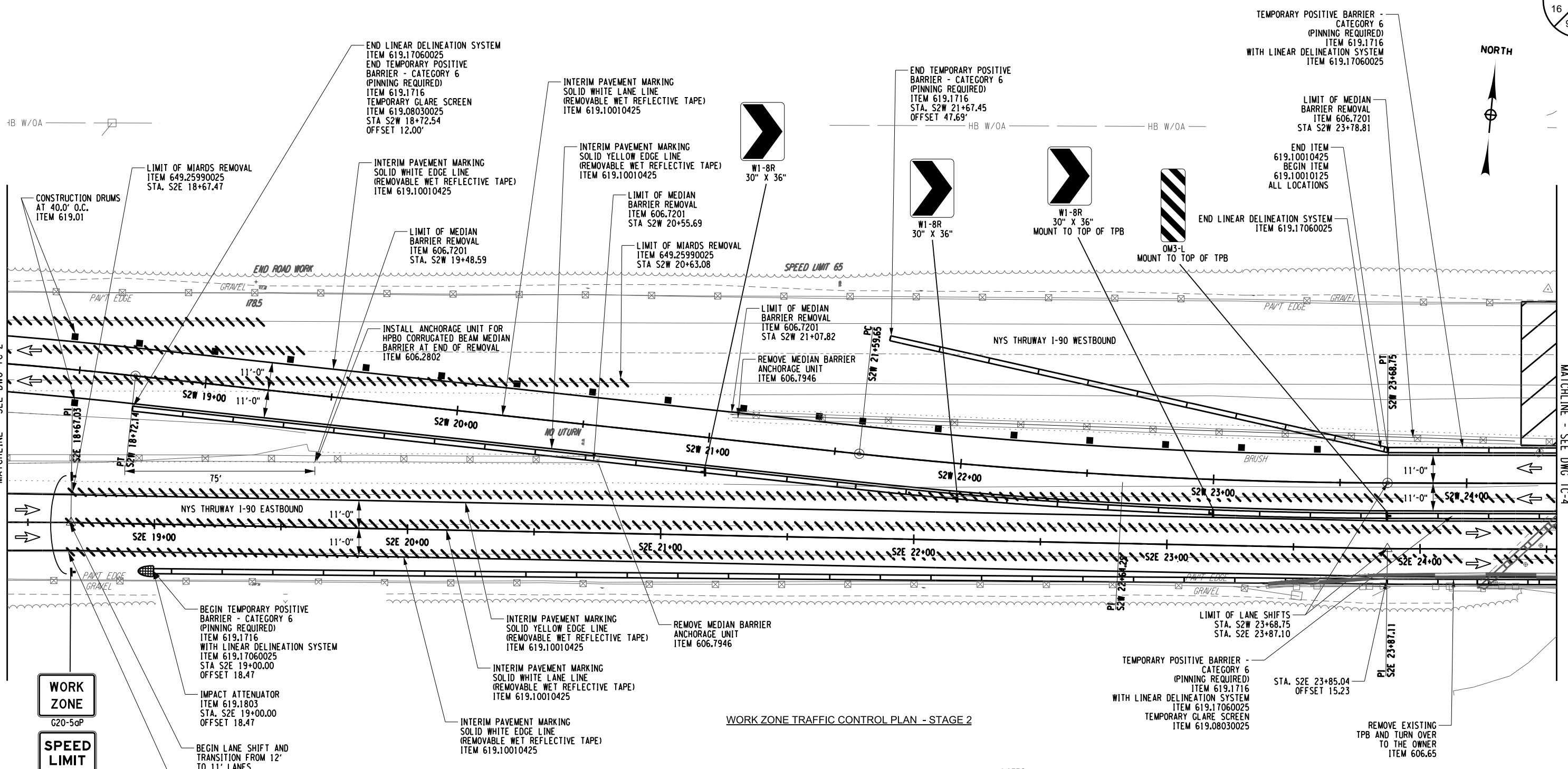
CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

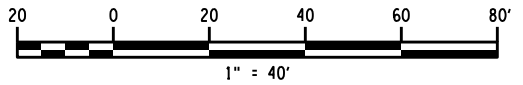
DESIGN SUPERVISOR: JMC



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER (TPB)		STAGE 2 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04
	WARNING FLAGS (MIN. 18" X 18")		

- NOTES:
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
 2. MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



ALTERED ON:

AFFIXED ON: 12/06/2024

SIGNATURE: STAMP:

SIGNATURE: STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL
 LOCATION OF PROJECT: ALBANY DIVISION MP 178.38
 TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL STAGE 2

CONTRACT NUMBER: TAA 25-06B
 DATE: 12/6/2024
 DRAWING NUMBER: TC-3

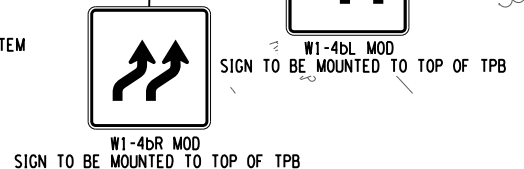
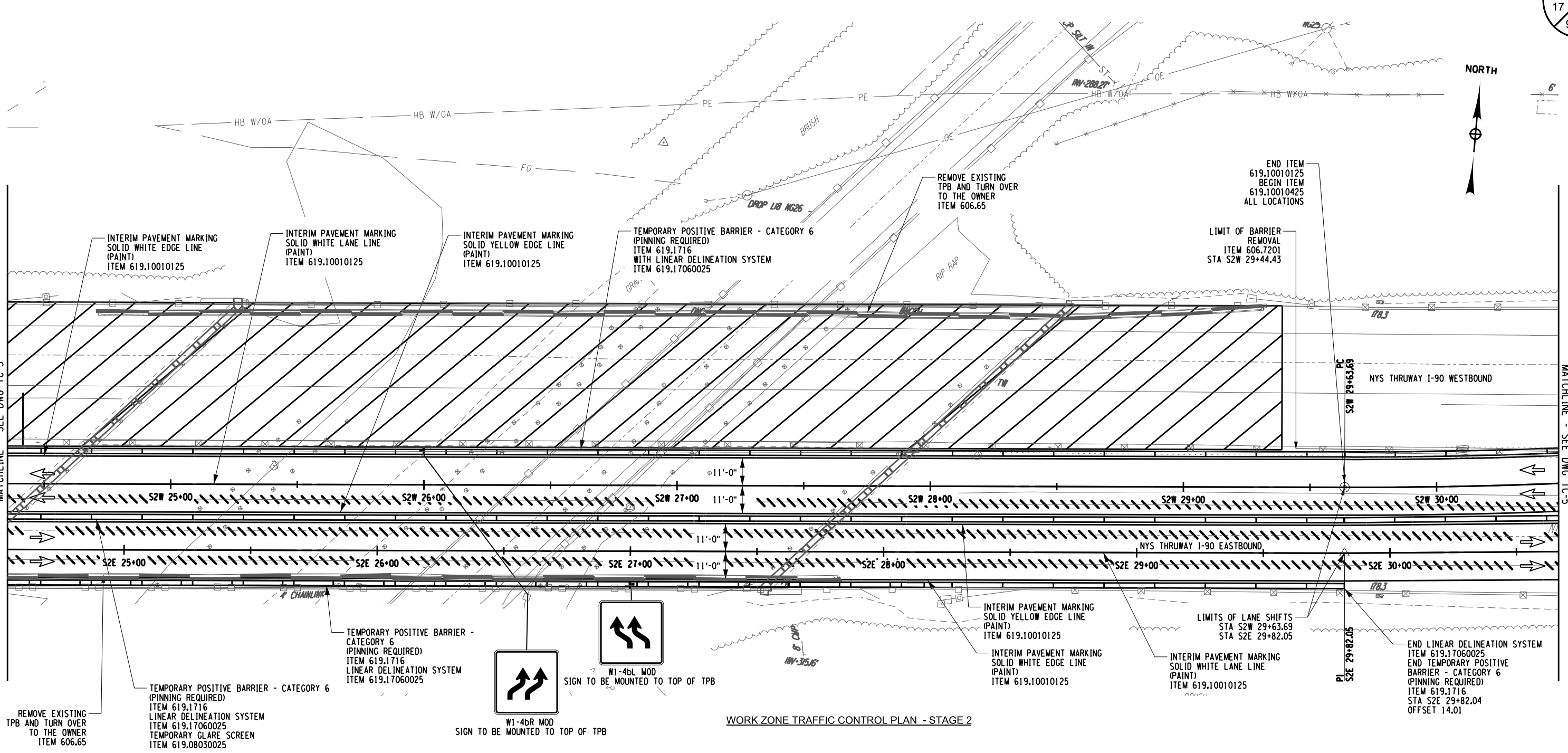
CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

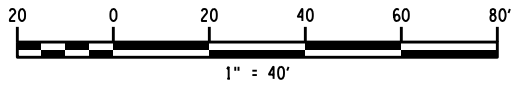
DESIGN SUPERVISOR: JMC



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER (TPB)
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425/ ITEM 619.10010125
	STAGE 2 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

- NOTES:
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
 2. MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



ALTERED ON: _____ AFFIXED ON: 12/06/2024

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DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
ALBANY, NY 607-798-8981 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-4

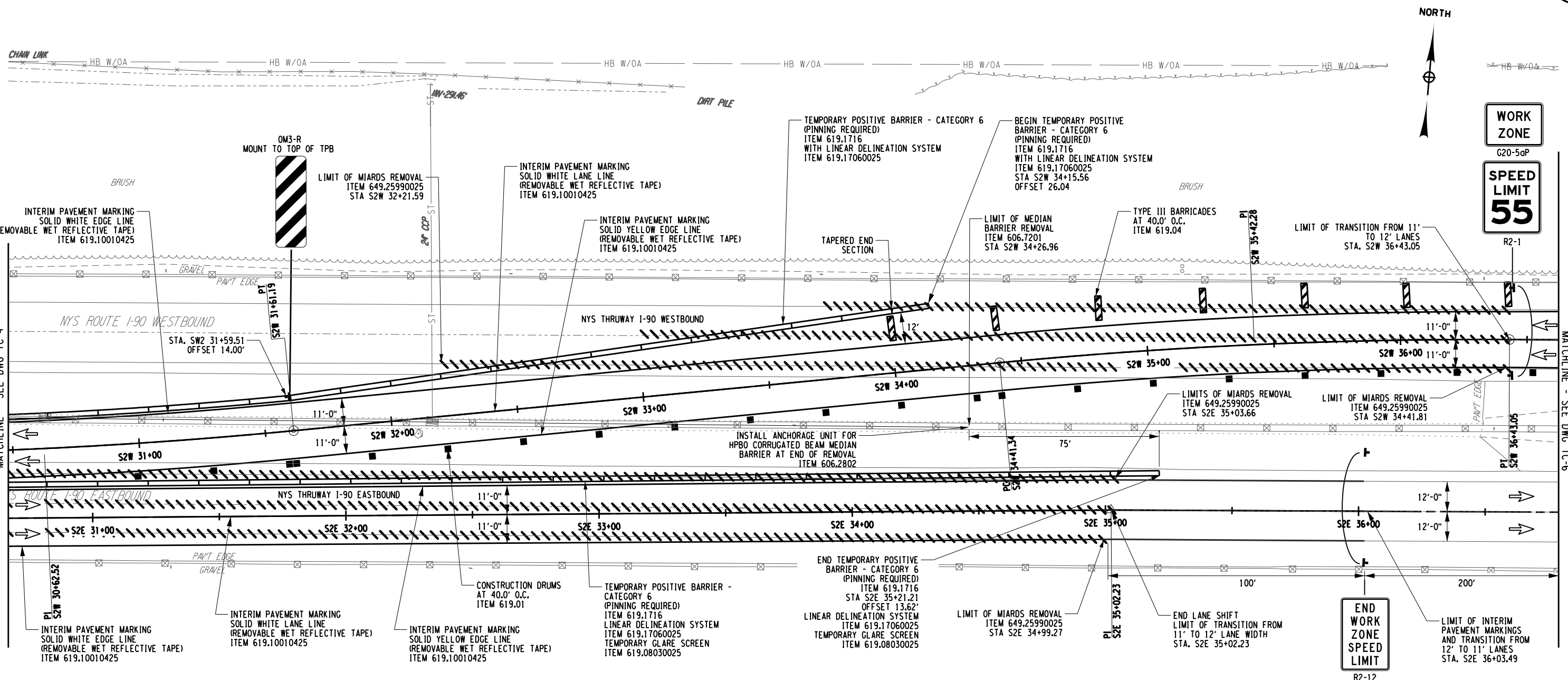
CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

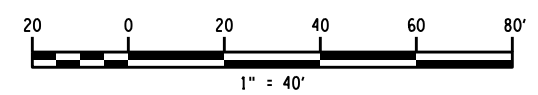
DESIGN SUPERVISOR: JMC



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER (TPB)		STAGE 2 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04
	WARNING FLAGS (MIN. 18" X 18")		

- NOTES:
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCROACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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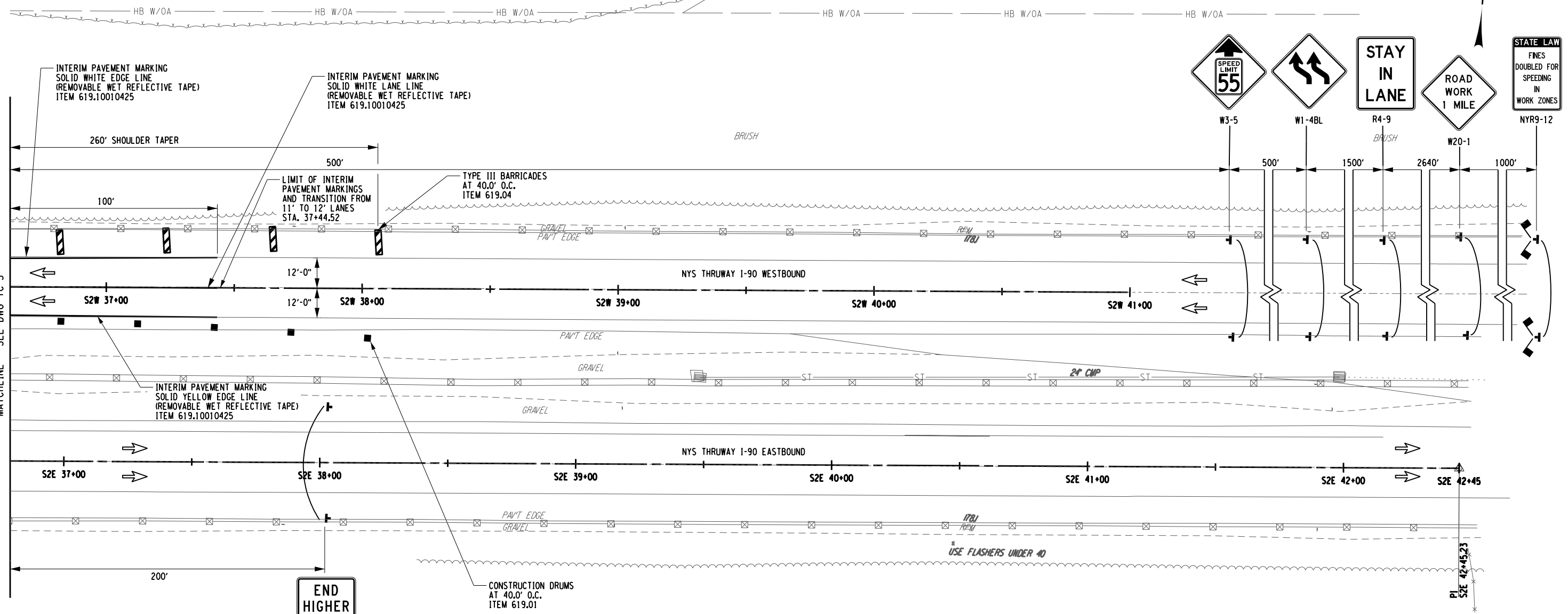
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
 ALBANY, NY 607-798-8081 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-5

NORTH

CHECKED BY: JMC
DRAFTED BY: RM
DESIGNED BY: GM
DESIGN SUPERVISOR: JMC

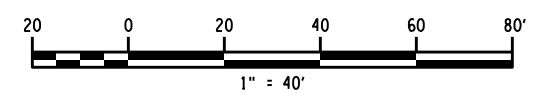


WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

END HIGHER FINES ZONE
R2-11

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER (TPB)		STAGE 2 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04
	WARNING FLAGS (MIN. 18" X 18")		

- NOTES:
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ALTERED ON:	AFFIXED ON: 12/06/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JAMES M. CUMMINGS
LICENSED PROFESSIONAL ENGINEER
080958
EXP. 12/31/2026

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-6

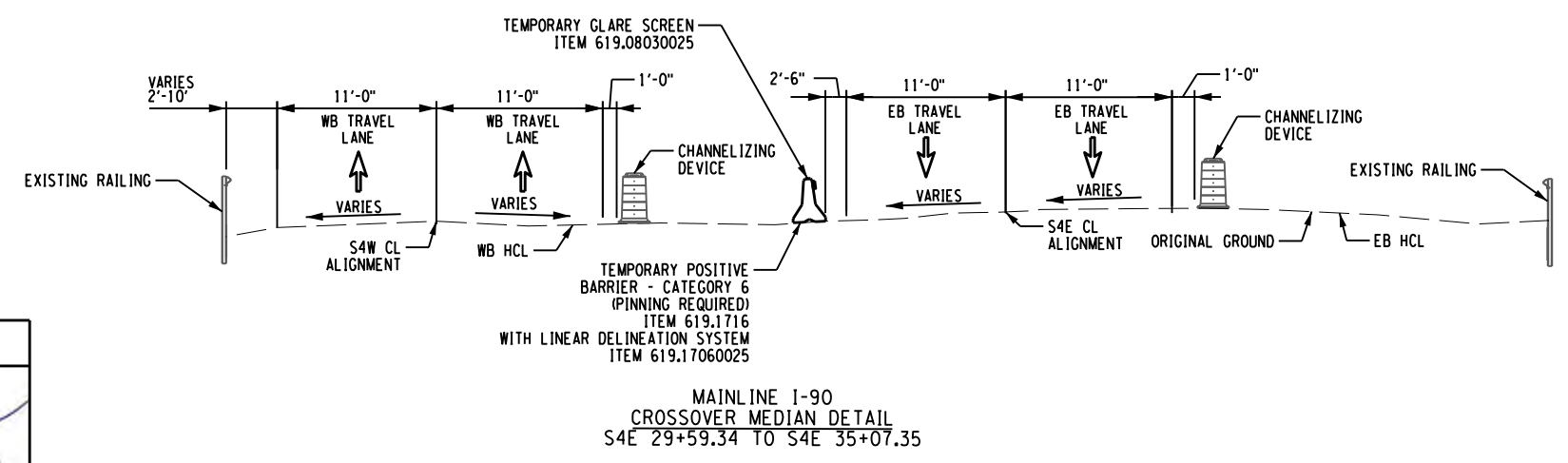
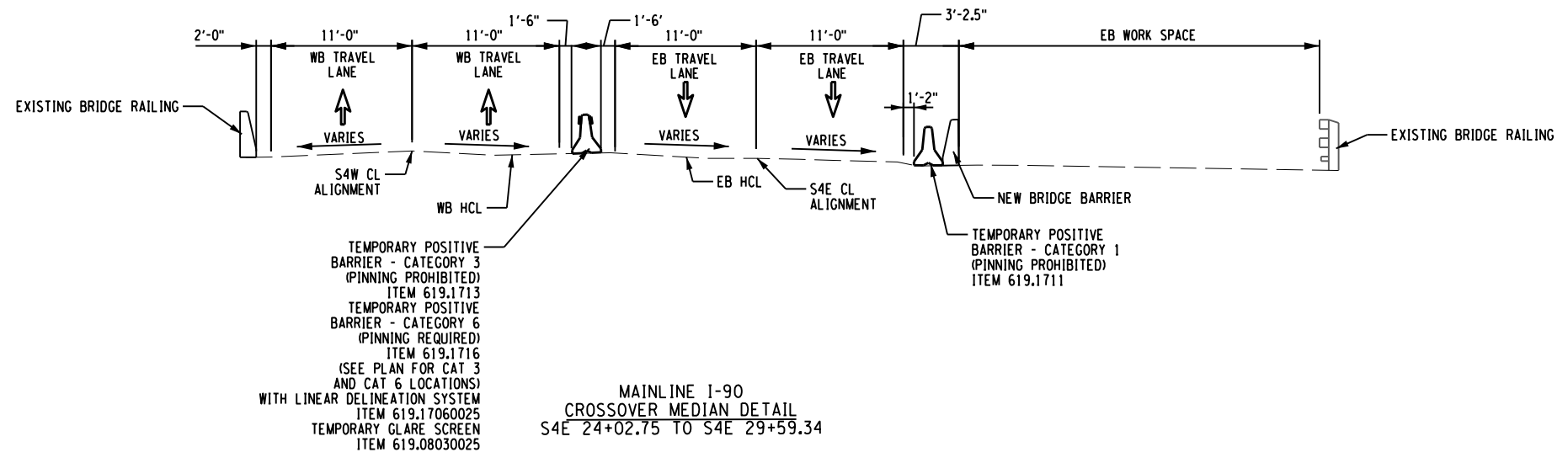
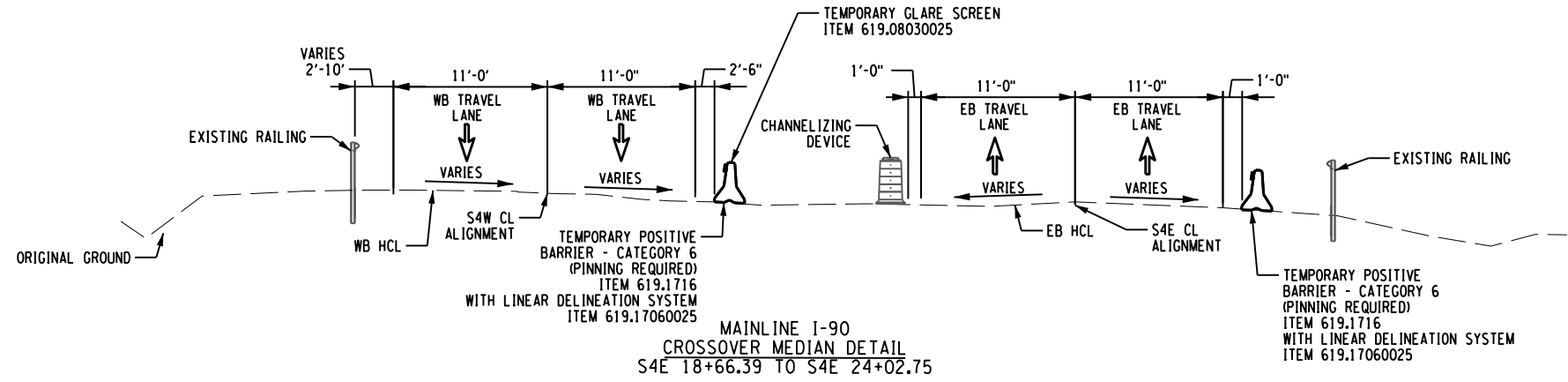
CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC



ALTERED ON:	AFFIXED ON: 12/06/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
JAMES M. CUMMINGS
LICENSED PROFESSIONAL ENGINEER
080958
EXP. 12/31/2026

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
ALBANY, NY 607-798-8981 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT
REHABILITATION OF I-90 BRIDGE OVER
NY 5S & ERIE CANAL TRAIL

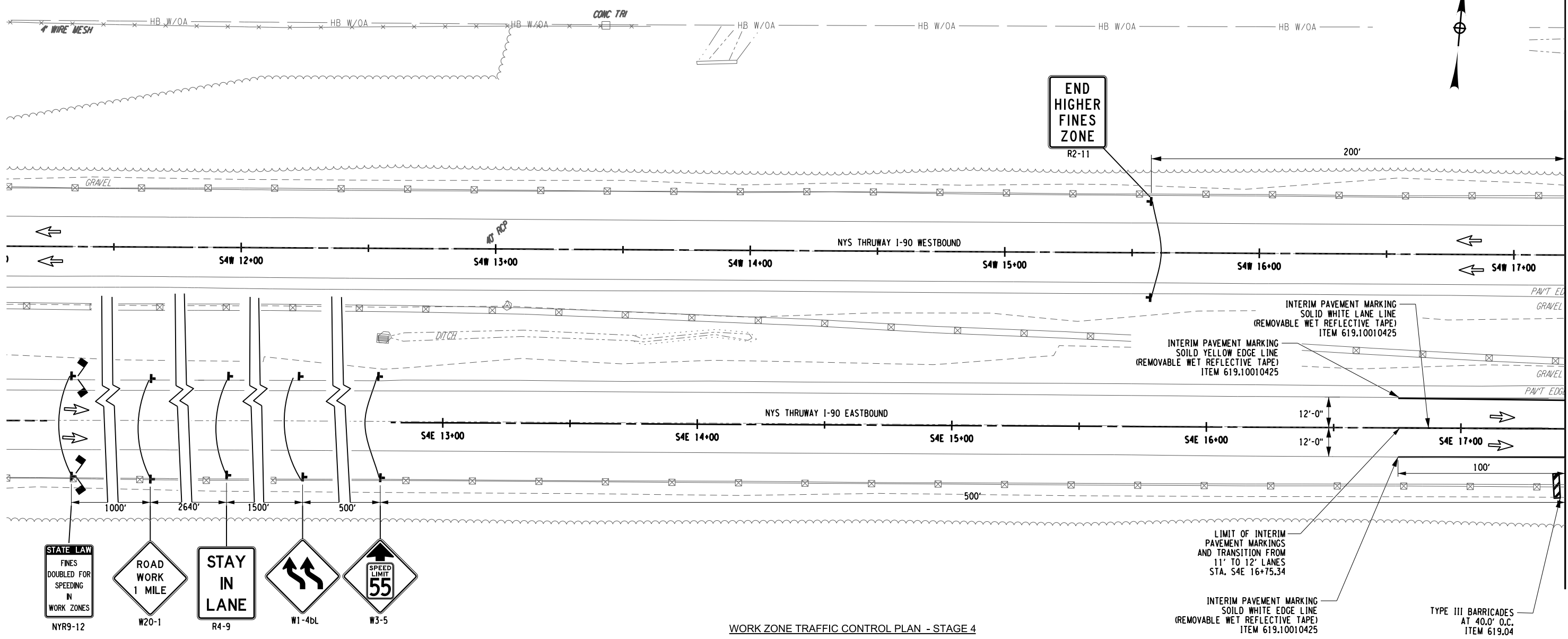
LOCATION OF PROJECT
ALBANY DIVISION
MP 178.38

TITLE OF DRAWING
WORK ZONE TRAFFIC
CONTROL TYPICALS
STAGE 4

CONTRACT NUMBER:
TAA 25-06B

DATE:
12/6/2024

DRAWING NUMBER:
TC-7



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

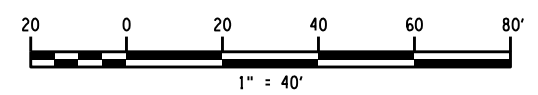
MATCHLINE - SEE DWG TC-9

LEGEND

	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER (TPB)		STAGE 4 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04
	WARNING FLAGS (MIN. 18" X 18")		

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ECT) SHALL NOT ENCRUCH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY..



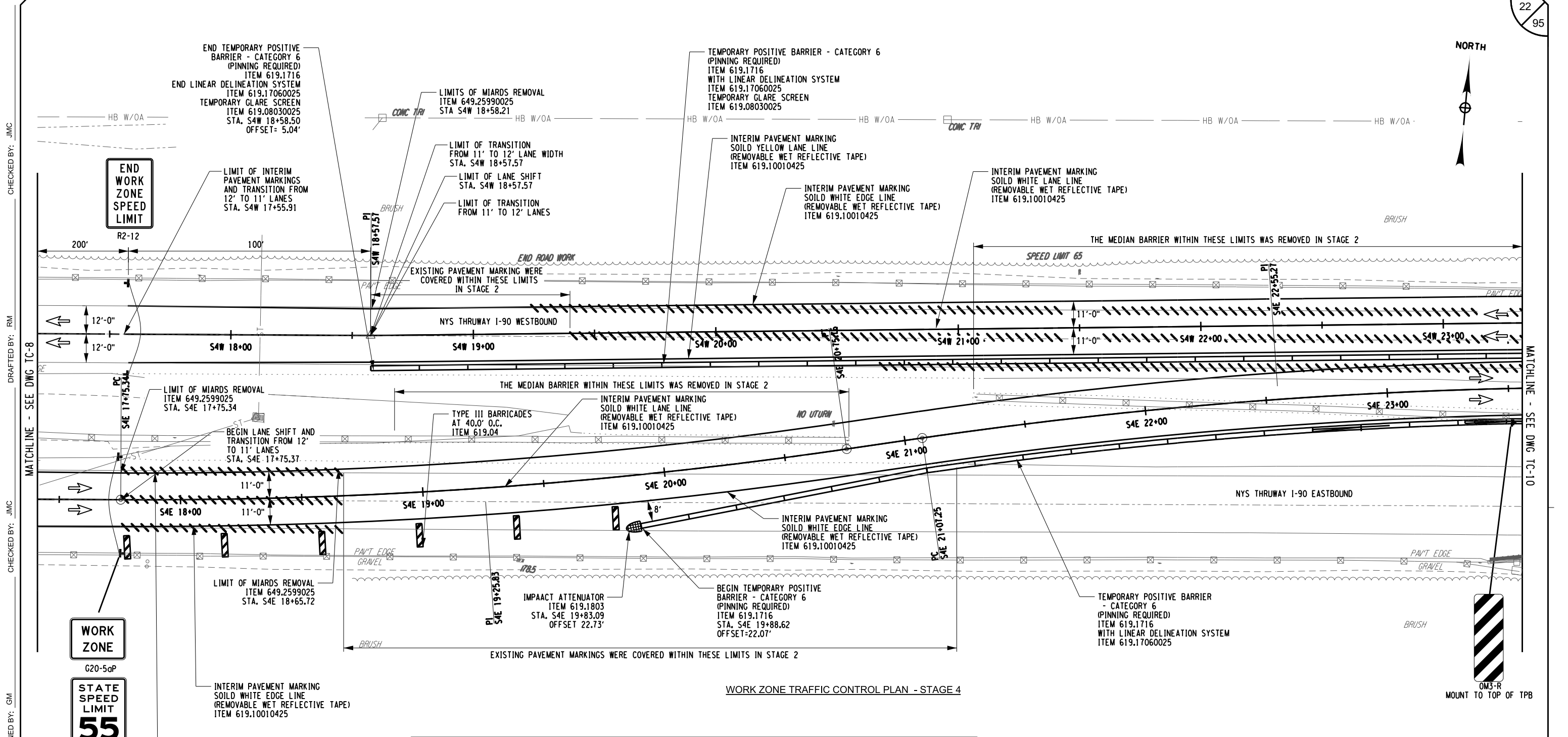
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SIGNATURE: STAMP:	SIGNATURE: STAMP:

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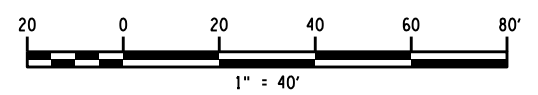
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 4	DRAWING NUMBER: TC-8



LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER (TPB)		STAGE 4 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04
	WARNING FLAGS (MIN. 18" X 18")		

- NOTES:
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC.) SHALL NOT ENCROACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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ALBANY, NY 607-798-8981 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018200 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 4	DRAWING NUMBER: TC-9

DESIGNED BY: GM CHECKED BY: JMC DRAFTED BY: RM CHECKED BY: JMC DESIGN SUPERVISOR: JMC



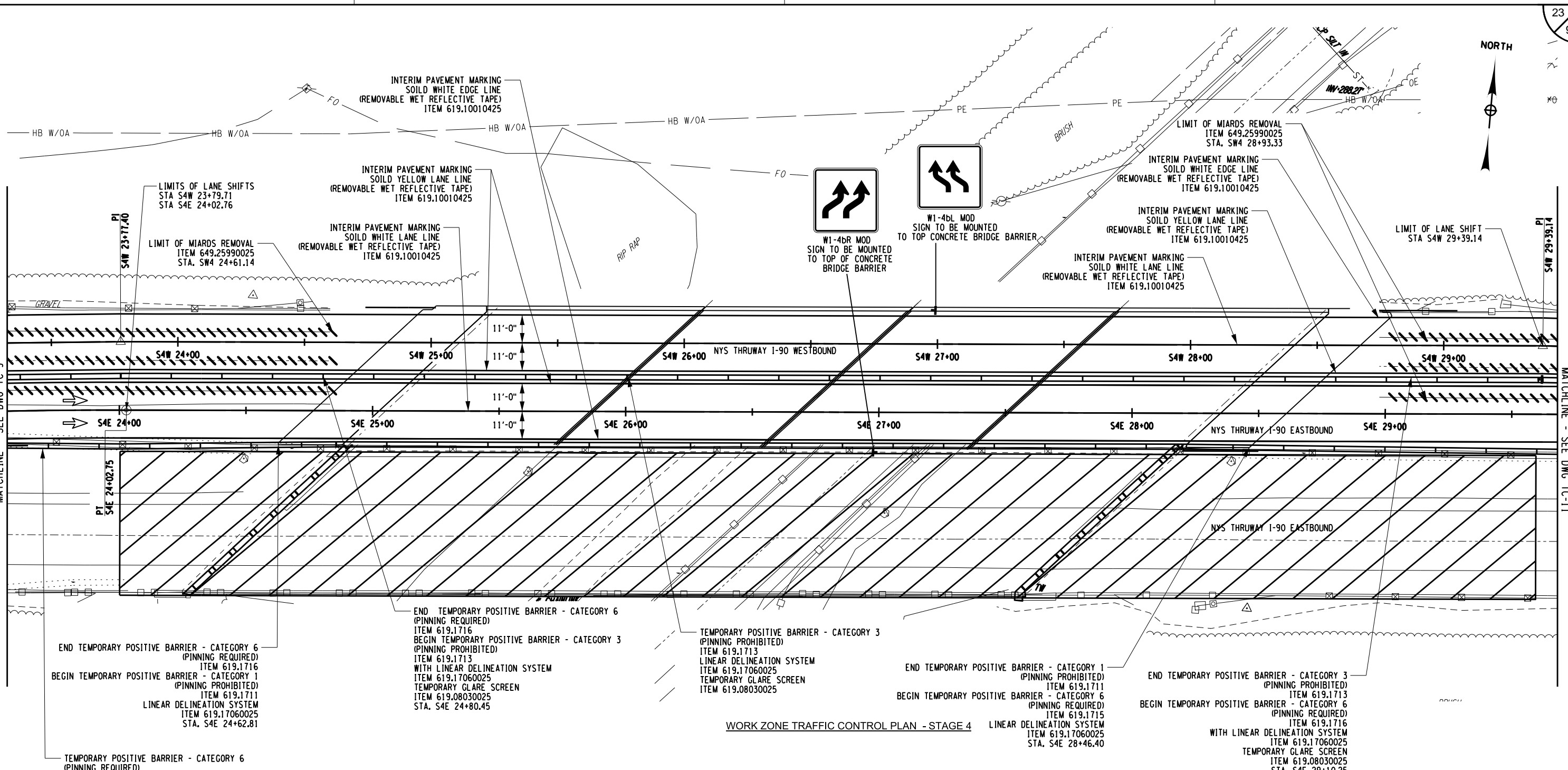
CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

END TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716
 BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED) ITEM 619.1711
 LINEAR DELINEATION SYSTEM ITEM 619.17060025 STA. S4E 24+62.81

TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716
 WITH LINEAR DELINEATION SYSTEM ITEM 619.17060025

END TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716
 BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED) ITEM 619.1713
 WITH LINEAR DELINEATION SYSTEM ITEM 619.17060025
 TEMPORARY GLARE SCREEN ITEM 619.08030025 STA. S4E 24+80.45

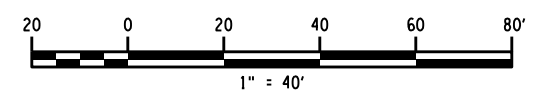
TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED) ITEM 619.1713
 LINEAR DELINEATION SYSTEM ITEM 619.17060025
 TEMPORARY GLARE SCREEN ITEM 619.08030025

END TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED) ITEM 619.1711
 BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1715
 LINEAR DELINEATION SYSTEM ITEM 619.17060025 STA. S4E 28+46.40

END TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED) ITEM 619.1713
 BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716
 WITH LINEAR DELINEATION SYSTEM ITEM 619.17060025
 TEMPORARY GLARE SCREEN ITEM 619.08030025 STA. S4E 29+10.25

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER (TPB)
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 4 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

NOTES:
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SIGNATURE: _____ STAMP: _____

EXP. 12/31/2026

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
 ALBANY, NY 607-798-9981 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT
REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL

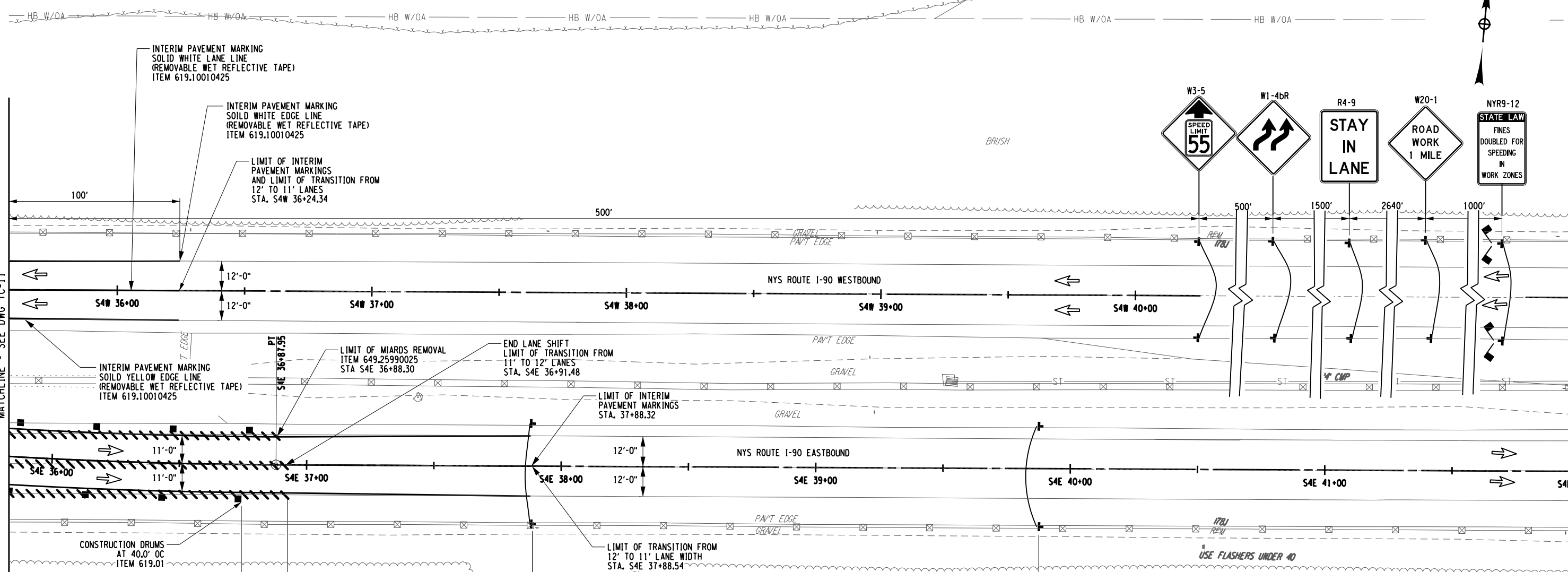
LOCATION OF PROJECT
ALBANY DIVISION MP 178.38

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 4

CONTRACT NUMBER:
TAA 25-06B

DATE:
12/6/2024

DRAWING NUMBER:
TC-10



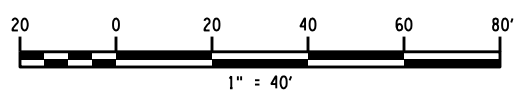
END WORK ZONE SPEED LIMIT
R2-12

END HIGHER FINES ZONE
R2-11

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER (TPB)		STAGE 4 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04
	WARNING FLAGS (MIN. 18" X 18")		

- NOTES:**
- WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ECT.) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
 - MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY..



CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

ALTERED ON:

AFFIXED ON: 12/06/2024

SIGNATURE STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL
 LOCATION OF PROJECT: ALBANY DIVISION MP 178.38
 TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL STAGE 4

CONTRACT NUMBER: TAA 25-06B
 DATE: 12/6/2024
 DRAWING NUMBER: TC-12

WORK ZONE TRAFFIC CONTROL STAGE 2 WB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S2W 10+00.00 668.251	N 85°08'32.3" E	1492754.61	547107.66
PC	S2W 16+68.25 Radius: 2000.000 Length: 203.888 Chord: 203.800 Tangent: 102.032	Delta: 5°50'27.5" Right DOC (Arc): 2°51'53.2" Direction: N 88°03'46.0" E Direction: S 89°01'00.3" E	1492811.20	547773.51
CC			1490818.39	547942.88
PT	S2W 18+72.14 287.506	S 89°01'00.3" E	1492818.092	547977.197
PC	S2W 21+59.65 Radius: 2000.000 Length: 209.102 Chord: 209.006 Tangent: 104.646	Delta: 5°59'25.1" LEFT DOC (Arc): 2°51'53.2" Direction: N 87°59'17.2" E Direction: N 84°59'34.6" E	1492813.16	548264.66
CC			1494812.86	548298.98
PT	S2W 23+68.75 594.940	N 84°59'34.6" E	1492820.50	548473.54
PC	S2W 29+63.69 Radius: 2000.000 Length: 197.500 Chord: 197.420 Tangent: 98.830	Delta: 5°39'28.7" LEFT DOC (Arc): 2°51'53.2" Direction: N 82°09'50.3" E Direction: N 79°20'05.9" E	1492872.42	549066.21
CC			1494864.79	548891.65
PT	S2W 31+61.19 280.151	N 79°20'05.9" E	1492899.34	549261.78
PC	S2W 34+41.34 Radius: 2000.000 Length: 201.714 Chord: 201.629 Tangent: 100.943	Delta: 5°46'43.3" RIGHT DOC (Arc): 2°51'53.2" Direction: N 82°13'27.5" E Direction: N 85°06'49.2" E	1492951.18	549537.10
CC			1490985.73	549907.23
PT	S2W 36+43.05 641.524	N 85°06'49.2" E	1492978.46	549736.87
POE	S2W 42+84.58		1493033.11	550376.06

WORK ZONE TRAFFIC CONTROL STAGE 2 EB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S2E 10+00.00 867.029	N 85°08'21.5" E	1492684.62	547093.10
PI	S2E 18+67.03 520.078	N 85°58'29.2" E	1492758.09	547957.01
PI	S2E 23+87.11 594.940	N 84°59'34.6" E	1492794.60	548475.81
PI	S2E 29+82.05 520.188	N 84°24'26.6" E	1492846.52	549068.48
PI	S2E 35+02.23 742.994	N 85°07'13.0" E	1492897.22	549586.19
POE	S2E 42+45.23		1492960.42	550326.49

WORK ZONE TRAFFIC CONTROL STAGE 4 WB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S4W 10+00.00 857.568	N 85°09'39.7" E	1492754.61	547107.66
PI	S4W 16+57.57 519.834	N 84°12'19.9" E	1492826.95	547962.17
PI	S4W 23+77.40 561.743	N 85°00'07.2" E	1492879.44	548479.35
PI	S4W 29+39.14 585.209	N 86°02'10.7" E	1492928.38	549038.96
PI	S4W 35+24.35 756.033	N 85°07'22.0" E	1492968.83	549622.77
POE	S4W 42+80.39		1493033.11	550376.06

WORK ZONE TRAFFIC CONTROL STAGE 4 EB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S4E 10+00.00 775.340	N 85°08'34.5" E	1492684.62	547093.10
PC	S4E 17+75.34 Radius: 2000.000 Length: 300.423 Chord: 300.141 Tangent: 150.495	Delta: 8°36'23.3" LEFT DOC (Arc): 2°51'53.2" Direction: N 80°50'22.8" E Direction: N 76°32'11.1" E	1492750.27	547865.66
CC			1494743.09	547696.32
PT	S4E 20+75.76 31.482	N 76°32'11.1" E	1492798.05	548161.97
PC	S4E 21+07.25 Radius: 2000.000 Length: 295.504 Chord: 295.236 Tangent: 148.022	Delta: 8°27'56.1" RIGHT DOC (Arc): 2°51'53.2" Direction: N 80°46'09.2" E Direction: N 85°00'07.2" E	1492805.38	548192.59
CC			1490860.35	548658.24
PT	S4E 24+02.75 603.328	N 85°00'07.2" E	1492852.74	548484.00
PC	S4E 30+06.08 Radius: 2000.000 Length: 227.512 Chord: 227.389 Tangent: 113.879	Delta: 6°31'03.8" RIGHT DOC (Arc): 2°51'53.2" Direction: N 88°15'39.1" E Direction: S 88°28'49.0" E	1492905.30	549085.03
CC			1490912.91	549259.27
PT	S4E 32+33.59 231.043	S 88°28'49.0" E	1492912.20	549312.32
PC	S4E 34+64.63 Radius: 2000.000 Length: 223.320 Chord: 223.204 Tangent: 111.776	Delta: 6°23'51.6" LEFT DOC (Arc): 2°51'53.2" Direction: N 88°19'15.3" E Direction: N 85°07'19.5" E	1492906.08	549543.28
CC			1494905.37	549596.32
PT	S4E 36+87.95 562.138	N 85°07'19.5" E	1492912.62	549766.39
POE	S4E 42+50.09		1492960.42	550326.49


CHECKED BY: JMC

DRAFTED BY: RM

CHECKED BY: JMC



DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

ALTERED ON:	AFFIXED ON: 12/06/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL LOCATION OF PROJECT ALBANY DIVISION MP 178.38	CONTRACT NUMBER: TAA 25-06B DATE: 12/6/2024 DRAWING NUMBER: TC-13
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ALIGNMENT TABLES	

CHECKED BY: JMC

DRAFTED BY: RM

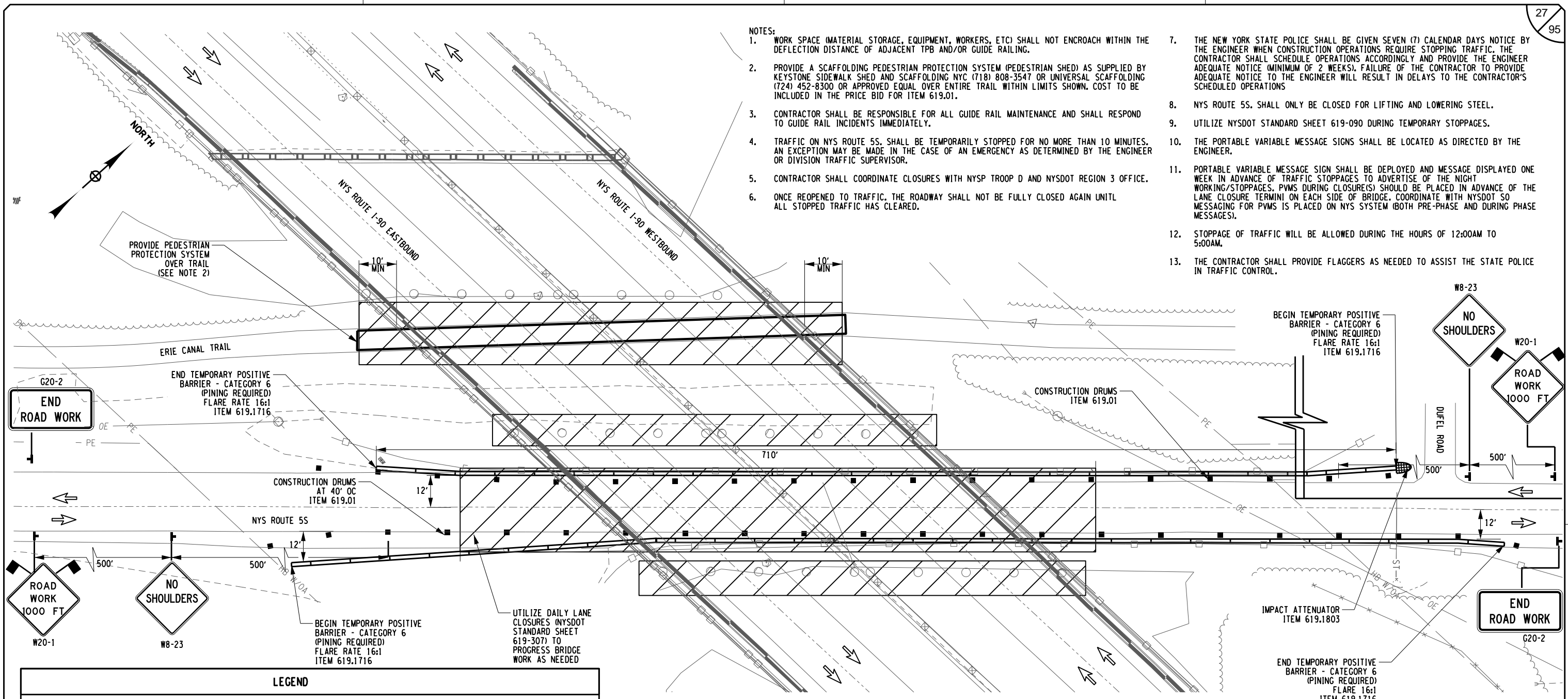
CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMC

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCOACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
2. PROVIDE A SCAFFOLDING PEDESTRIAN PROTECTION SYSTEM (PEDESTRIAN SHED) AS SUPPLIED BY KEYSTONE SIDEWALK SHED AND SCAFFOLDING NYC (718) 808-3547 OR UNIVERSAL SCAFFOLDING (724) 452-8300 OR APPROVED EQUAL OVER ENTIRE TRAIL WITHIN LIMITS SHOWN. COST TO BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.
4. TRAFFIC ON NYS ROUTE 55, SHALL BE TEMPORARILY STOPPED FOR NO MORE THAN 10 MINUTES. AN EXCEPTION MAY BE MADE IN THE CASE OF AN EMERGENCY AS DETERMINED BY THE ENGINEER OR DIVISION TRAFFIC SUPERVISOR.
5. CONTRACTOR SHALL COORDINATE CLOSURES WITH NYS TROOP D AND NYS DOT REGION 3 OFFICE.
6. ONCE REOPENED TO TRAFFIC, THE ROADWAY SHALL NOT BE FULLY CLOSED AGAIN UNTIL ALL STOPPED TRAFFIC HAS CLEARED.
7. 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 (MINIMUM OF 2 WEEKS). FAILURE OF THE CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO THE ENGINEER WILL RESULT IN DELAYS TO THE CONTRACTOR'S SCHEDULED OPERATIONS
8. NYS ROUTE 55, SHALL ONLY BE CLOSED FOR LIFTING AND LOWERING STEEL.
9. UTILIZE NYS DOT STANDARD SHEET 619-090 DURING TEMPORARY STOPPAGES.
10. THE PORTABLE VARIABLE MESSAGE SIGNS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER.
11. PORTABLE VARIABLE MESSAGE SIGN SHALL BE DEPLOYED AND MESSAGE DISPLAYED ONE WEEK IN ADVANCE OF TRAFFIC STOPPAGES TO ADVERTISE OF THE NIGHT WORKING/STOPPAGES. PVMS DURING CLOSURE(S) SHOULD BE PLACED IN ADVANCE OF THE LANE CLOSURE TERMINI ON EACH SIDE OF BRIDGE. COORDINATE WITH NYS DOT SO MESSAGING FOR PVMS IS PLACED ON NYS SYSTEM (BOTH PRE-PHASE AND DURING PHASE MESSAGES).
12. STOPPAGE OF TRAFFIC WILL BE ALLOWED DURING THE HOURS OF 12:00AM TO 5:00AM.
13. THE CONTRACTOR SHALL PROVIDE FLAGGERS AS NEEDED TO ASSIST THE STATE POLICE IN TRAFFIC CONTROL.



WORK ZONE TRAFFIC CONTROL PLAN - NYS ROUTE 55 AND TRAIL

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER, (TPB)
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

ALTERED ON:	AFFIXED ON: 12/06/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE
Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
ALBANY, NY 607-798-8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/6/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL NYS ROUTE 55 AND TRAIL	DRAWING NUMBER: TC-14

GUIDE RAIL INSTALLATION TABLE										
ITEM 606.2701 - HPBO CORRUGATED BEAM GUIDE RAIL ITEM 606.2801 - HPBO CORRUGATED MEDIAN BARRIER ITEM 606.8903 - TRANSITION: HPBO CORRUGATED BEAM GUIDE RAIL TO SINGLE SLOPE CONCRETE HALF SECTION BARRIER ITEM 606.8906 - TRANSITION: HPBO CORRUGATED BEAM MEDIAN GUIDE RAIL TO BARRIER ITEM 606.2703 - MEDIAN BARRIER CONCRETE ANCHOR										
LOCATION					LENGTH	ITEM 606.2701 (LF)	ITEM 606.2801 (LF)	ITEM 606.8903 (LF)	ITEM 606.8906 (LF)	ITEM 606.2703 (EA)
FROM		TO		SIDE						
STATION	OFFSET	STATION	OFFSET							
WB 11+47.87	22.80 LT	WB 16+09.74	22.90 LT	WB	461.87	461.87				
WB 16+09.74	22.90 LT	WB 16+47.89	22.90 LT	WB	38.15			38.15		
WB 20+20.42	23.07 LT	WB 20+58.57	23.07 LT	WB	38.15			38.15		
WB 20+58.57	23.07 LT	WB 24+53.02	23.04 LT	WB	394.45	394.45				
EB 11+24.92	23.02 RT	EB 14+90.89	23.14 RT	EB	365.97	365.97				
EB 14+90.89	23.14 RT	EB 15+29.04	23.14 RT	EB	38.15			38.15		
EB 19+01.48	22.75 RT	EB 19+39.63	22.75 RT	EB	38.15			38.15		
EB 19+39.63	22.75 RT	EB 24+52.88	22.70 RT	EB	513.25	513.25				
EB 10+88.92	25.67 LT	EB 12+00.92	25.94 LT	EB/WB	112.00			112.00		1
WB 12+53.60	24.03 RT	WB 15+78.48	32.92 RT	EB/WB	323.00			323.00		1
WB 15+78.48	32.92 RT	WB 16+09.15	32.92 RT	EB/WB	30.67				30.67	
WB 19+40.32	34.58 RT	WB 19+70.99	34.32 RT	EB/WB	30.67				30.67	
WB 19+70.99	34.32 RT	WB 24+53.02	53.09 RT	EB/WB	482.03			482.03		

ADDITIONAL MEDIAN BARRIER REPLACEMENT FOR WORKZONE TRAFFIC CONTROL TABLE									
ITEM 606.7201 - REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER ITEM 606.2801 - HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER ITEM 606.2802 - ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER ITEM 606.7946 - REMOVING AND DISPOSING ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER									
LOCATION					LENGTH	ITEM 606.7201 (LF)	ITEM 606.2801 (LF)	ITEM 606.2802 (EA)	ITEM 606.7946 (EA)
FROM		TO		SIDE					
STATION	OFFSET	STATION	OFFSET						
EB/WB 1088.92	33.75	EB/WB1200.92	33.75	MEDIAN	11	11	11		
EB/WB 1253.6	33.75	EB/WB 1578.48	33.75	MEDIAN	325	325	325		
EB/WB 1970.99	33.75	EB/WB 2453.02	33.75	MEDIAN	482	482	482		
S2W 19+48.59	33.75			MEDIAN				1	1
S2W 34+26.96	33.75			MEDIAN				1	1
TOTAL						818	818	2	2

NOTES:

- MEDIAN BARRIER REMOVAL LIMITS ARE SHOWN ON THE WZTC SERIES OF DRAWINGS. THE CONTRACTOR SHALL INVENTORY ALL MEDIAN BARRIER TO BE REMOVED FOR WZTC PURPOSES AND RECORD BEGIN/END LOCATIONS FOR TRANSITIONS, END TERMINALS, AND RAIL RUNS. THE CONTRACTOR SHALL REPLACE THE MEDIAN BARRIER SUCH THAT IT IS THE SAME LOCATION AND TYPE AS ORIGINALLY INSTALLED PRIOR TO REMOVAL FOR WZTC (PRECONSTRUCTION CONDITIONS). COST TO INVENTORY AND MARK EXISTING RAIL SHALL BE INCLUDED IN THE COST FOR VARIOUS GUIDE RAIL ITEMS. ADJUSTMENTS TO THE NEAREST SPLICE WILL BE ALLOWED A.O.B.E. TO REPLACEMENT LENGTHS, BUT NOT LESS THAN SHOWN ON THE PLANS. PAYMENT LENGTHS WILL BE ADJUSTED TO LIMITS OF REMOVAL AND REPLACEMENT
- A PORTION OF THIS QUANTITY IS TO REPLACE THE FIRST 15' OF THE TRANSITION FROM HPBO TO W-BEAM MEDIAN BARRIER. PAYMENT SHALL BE MADE UNDER ITEM 606.2801, HOWEVER WORK SHALL CONFORM TO STANDARD SHEET 606-27.


GUIDE RAIL REMOVAL TABLE									
ITEM 606.7101 - HPBO CORRUGATED BEAM GUIDE RAIL ITEM 606.7201 - HPBO CORRUGATED MEDIAN BARRIER ITEM 606.7941 - MEDIAN BARRIER CONCRETE ANCHOR									
LOCATION					LENGTH	ITEM 606.7101 (LF)	ITEM 606.7201 (LF)	ITEM 606.7941 (EA)	
FROM		TO		SIDE					
STATION	OFFSET	STATION	OFFSET						
WB 11+47.87	22.80 LT	WB 16+66.91	21.78 LT	WB	519.04	519.04			
WB 20+00.00	23.07 LT	WB 24+53.02	23.04 LT	WB	453.02	453.02			
EB 11+24.92	23.02 RT	EB 14+65.60	23.14 RT	EB	340.68	340.68			
EB 18+81.23	22.75 RT	EB 24+52.88	22.70 RT	EB	571.65	571.65			
EB 10+88.92	25.67 LT	EB 12+00.92	25.94 LT	EB/WB	112.00			112.00	1
WB 12+53.60	24.03 RT	WB 24+53.02	53.09 RT	EB/WB	1199.56			1199.56	1

DELINEATOR TABLE						
ITEM 646.0603-25 - INSTALL DELINEATOR OR TENTH MILE MARKER ON POST ITEM 646.0604-25 - INSTALL DELINEATOR OR TENTH MILE MARKER, BACK-TO-BACK ON POST						
STATION	OFFSET (APPROX.)	MOUNT	COLOR	NOTES	ITEM 646.0603-25 (EA)	ITEM 646.0604-25 (EA)
				ALLOWANCE	8	8
TOTAL					8	8

NOTE:

- ALL DELINEATORS SHALL BE INSTALLED AS PER NYSTA STANDARD SHEET TA 646-01 AND SHALL BE INSTALLED AS SINGLE DELINEATOR (WHITE OR YELLOW) OR TENTH MILE MARKER AS NOTED.

FENCE TABLE						
ITEM 607.06120025 - PROTECTIVE SCREENING (SNOW FENCE)						
LOCATION					TO	ITEM 607.06120025 (LF)
FROM		TO		SIDE		
STATION	OFFSET	STATION	OFFSET			
EB16+25.85	23.50	EB17+99.85	23.50	EB	174	174
WB17+49.39	23.50	WB19+23.39	23.50	WB	174	174
TOTAL					348	348

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

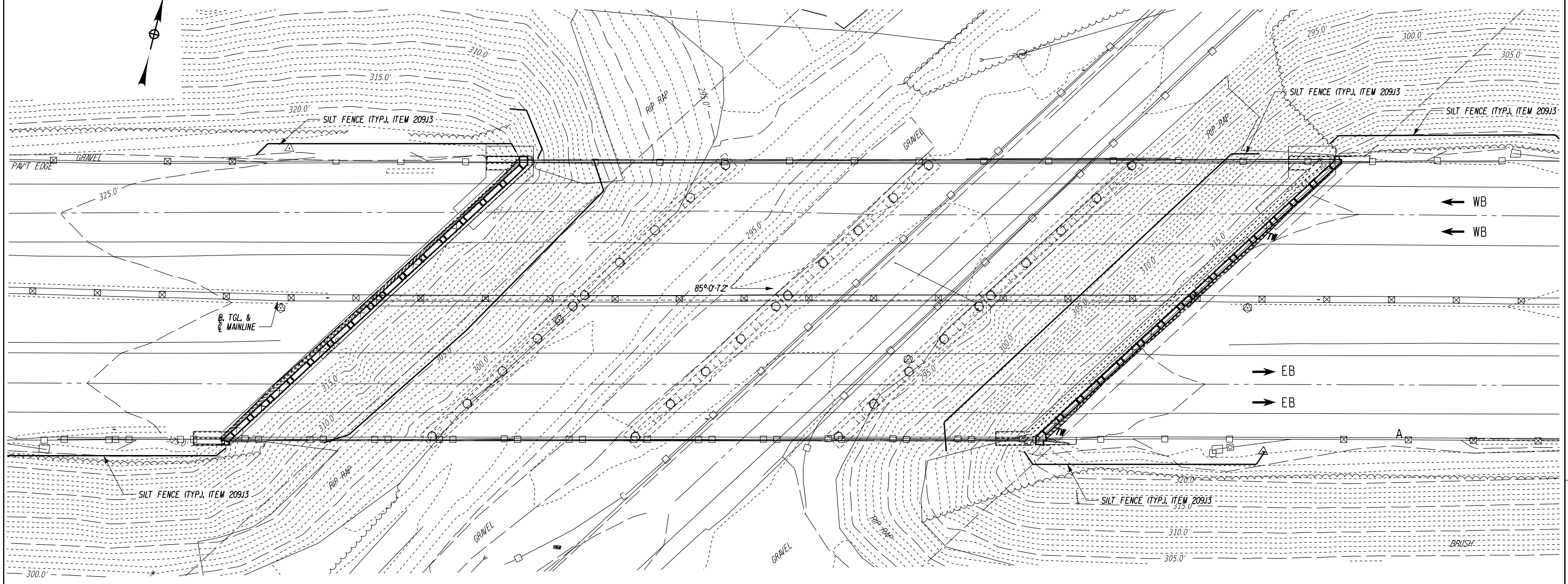
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING MISCELLANEOUS TABLES	DRAWING NUMBER: MSC-1

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



LEGEND

◆ SILT FENCE (ITEM 209.13)

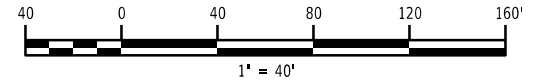
ITEM 209.13 (LF) SILT FENCE - TEMPORARY	
LOCATION	LENGTH
I-90 WB	100
I-90 EB	100
NY 55	360

NOTES:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS REPRESENTATION WHEN ENCOUNTERED DURING THE ACTUAL WORK, WILL BE HANDLED ACCORDING TO THE SPECIFICATIONS GOVERNING THIS PROJECT.

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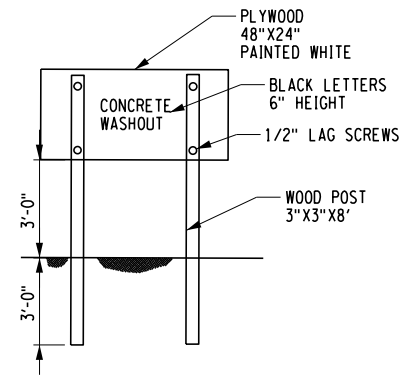
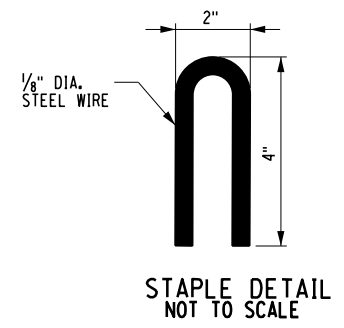
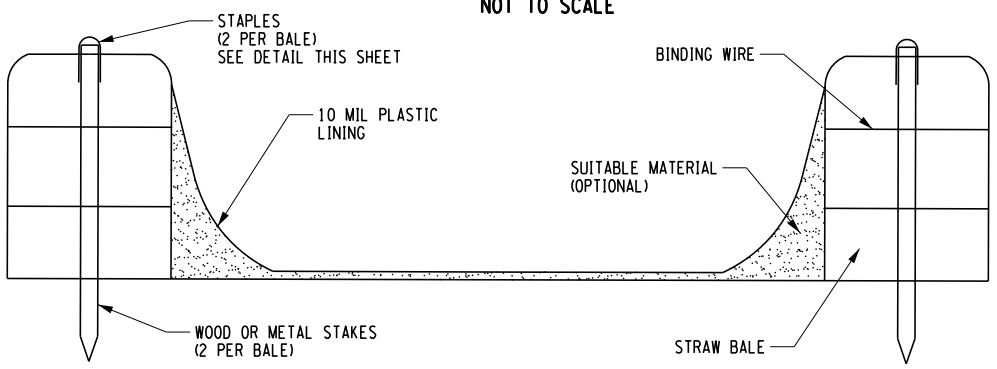
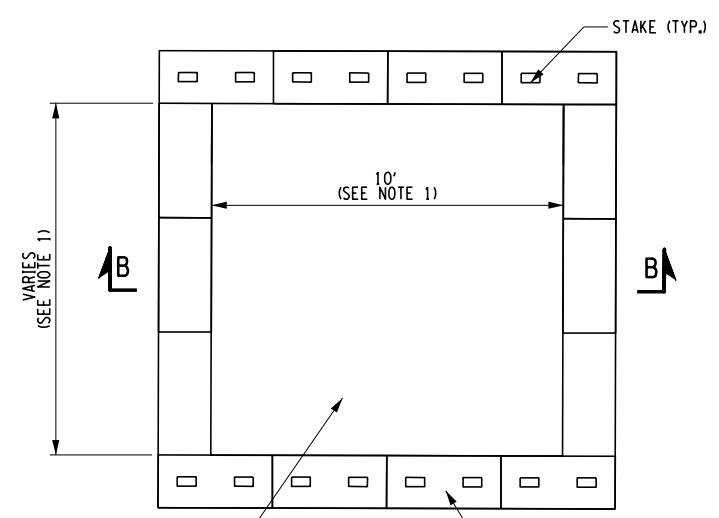
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING EROSION AND SEDIMENT CONTROL PLAN	DRAWING NUMBER: ECP-1

PWZ
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



CONCRETE WASHOUT DETAIL

CONCRETE WASHOUT NOTES:

1. ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. LOCATE WASHOUT AREA AT LEAST 50-FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID OR SOLID WASTE.
4. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4-INCHES.
5. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10-FEET, BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
6. STRAW BALES, WOOD STAKES, AND SANDBAG MATERIALS SHALL CONFORM TO THE PROVISIONS IN THE EROSION AND SEDIMENT CONTROL SPECIFICATION.
7. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
8. HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.
9. WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES SHALL BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
10. THE COST FOR THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE PRICE BID FOR ALL CONCRETE ITEMS.

STORMWATER POLLUTION PREVENTION AND EROSION CONTROL NOTES:

1. INSTALL SILT FENCING AS SHOWN ON THE PLANS AND AROUND THE PERIMETER OF ANY STOCKPILE AREAS AND ADD ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO PERFORMING ANY EARTH DISTURBANCE.
2. WHERE WORK IS SUSPENDED ON THE PROJECT, ALL AREAS OF SOIL DISTURBANCE SHALL BE STABILIZED PER ITEM 209.1003, TEMPORARY SEED AND MULCH, PRIOR TO SHUT DOWN.
3. ALL STOCKPILES SHALL BE ENCIRCLED WITH SILT FENCE AND COVERED WITH A TARP OR SEEDED AND MULCHED WITHIN 24HRS OF CREATION. COST OF WORK SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
4. CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS OFF ALL PAVED SURFACES AT THE END OF EACH DAY OR AS DIRECTED BY ENGINEER. COST OF CLEANING SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
5. CONTRACTOR SHALL NOT WASH CONCRETE OR SLURRY TRUCKS, TOOLS, OR EQUIPMENT OUT ONTO BARE GROUND OR DIRECTLY INTO STORM OR SANITARY SEWER SYSTEMS (INCLUDING SWALES, DITCHES AND WETLANDS). EXCESS CONCRETE, SLURRY AND WASH WATER SHALL BE COLLECTED IN A WASH BASIN AND DISPOSED OF PROPERLY.
6. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE ENGINEER THEIR WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATIONS AS REQUIRED BY SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS.
7. INSPECTION, PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY SOIL EROSION AND POLLUTION CONTROL DEVICES SHALL BE PERFORMED ON A SCHEDULE BASIS IN ACCORDANCE WITH SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS. THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE PAID FOR UNDER THE ITEMS SHOWN.
8. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAM OR WATERWAY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE OR SLURRY LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
9. MAXIMUM DISTURBANCE AREA IS LESS THAN 1.0 ACRE. NO SWPPP IS REQUIRED.
10. IF DEWATERING IS REQUIRED THE COST SHALL BE INCLUDED IN PRICE BID FOR THE ITEM REQUIRING THE DEWATERING. THE CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION IF THEY ELECT TO USE WELL POINTS.
11. ALL CONTROLS SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL EROSION CONTROL MEASURES THAT MAY BE REQUIRED OR AS ORDERED BY ENGINEER.
13. CONTRACTOR STAGING AREAS SHALL BE EXISTING AREAS OF NON DISTURBABLE COVER. (I.E. ASPHALT MILLING, ASPHALT OR CONCRETE PAVEMENT). IF THE CONTRACTOR CREATES A STAGING AREA ON DISTURBABLE COVER (I.E. GRASS) THEN THE ENTIRE AREA SHALL BE ENCLOSED WITH SILT FENCE.
14. CONTRACTOR SHALL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE INTO AND OUT OF EACH WORK AREA AND EACH STAGING AREA CONSTRUCTED ON DISTURBABLE COVER.
15. IN ACCORDANCE WITH SECTIONS 107-12 AND 209-3.01 OF NYS DOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT THE NAMES OF INDIVIDUALS WHOM SHALL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN AND FOR INSPECTING AND MAINTAINING THE CONTROL MEASURES. THE NAMES AND QUALIFICATIONS (TRAINING AND EXPERIENCE) OF THESE INDIVIDUALS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING EARTHWORK.
16. CONTRACTOR SHALL DECOMPACT ALL AREAS OF PAVEMENT OR IMPERVIOUS COVER REMOVAL THAT WILL BE MADE PERVIOUS COVER. DECOMPACTION SHALL BE ACCOMPLISHED BY DEEP RIPPING OR TILLING TO A DEPTH OF 1.5 FEET BELOW THE BOTTOM OF THE EXISTING SUBBASE LAYER IN ORDER TO REESTABLISH THE PERMEABILITY OF THE SOIL. THE COST OF DECOMPACTION SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

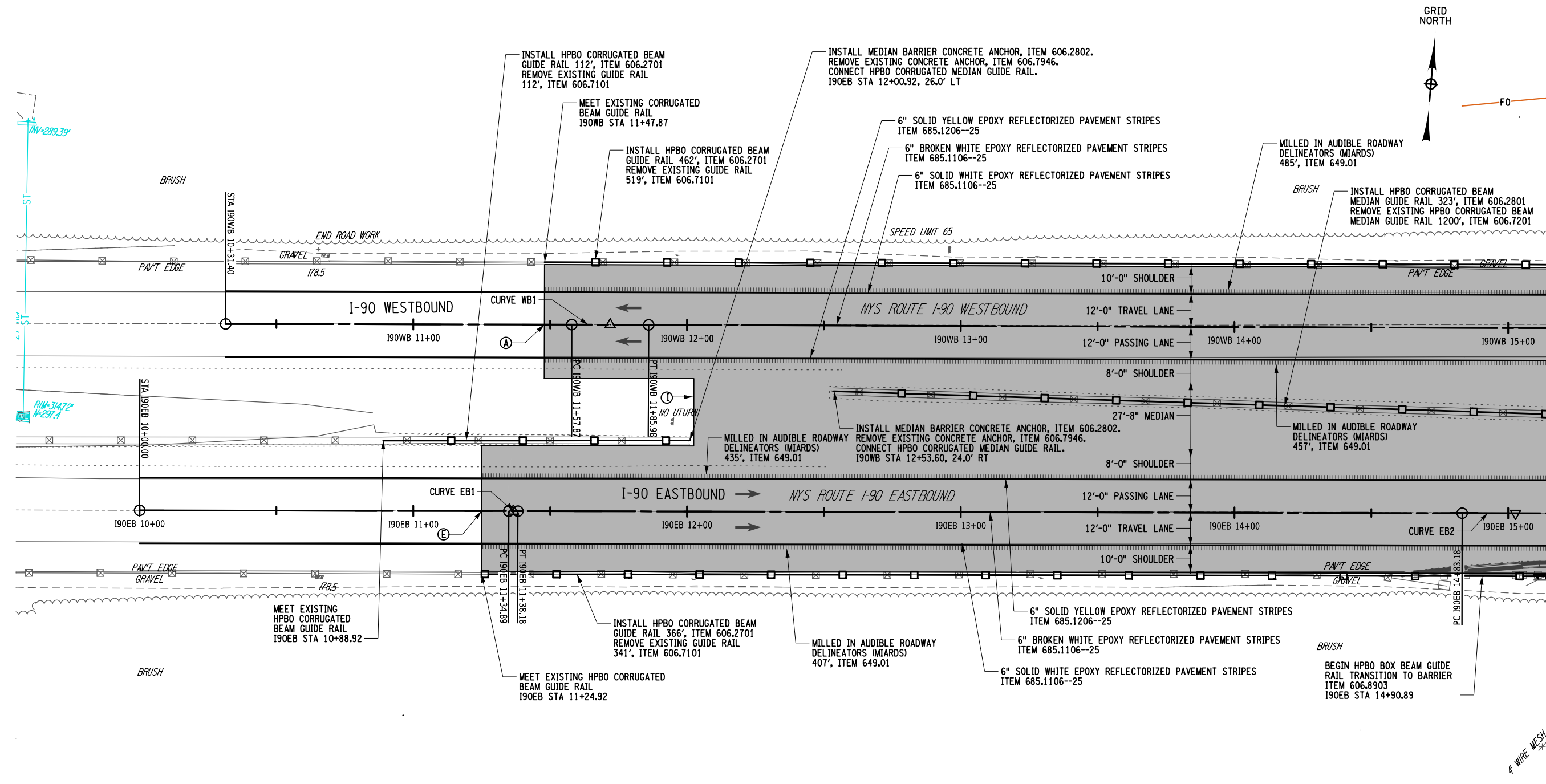
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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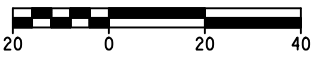
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
	TITLE OF DRAWING EROSION AND SEDIMENT CONTROL DETAILS	DRAWING NUMBER: ECD-1

PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: TA



GRID NORTH



CRITICAL STATION TABLE			
LOCATION	FEATURE	ID	STA
I-90 WB	BEGIN MILL AND OVERLAY	A	11+47.87
	END MILL AND OVERLAY, BEGIN APPROACH SLAB	B	16+18.96
	END APPROACH SLAB, BEGIN MILL AND OVERLAY	C	20+03.29
	END MILL AND OVERLAY	D	24+53.02
I-90 EB	BEGIN MILL AND OVERLAY	E	11+24.92
	END MILL AND OVERLAY, BEGIN APPROACH SLAB	F	15+46.13
	END APPROACH SLAB, BEGIN MILL AND OVERLAY	G	19+30.50
	END MILL AND OVERLAY	H	24+52.88
MEDIAN	BEGIN MILL AND OVERLAY (STATION FROM WB)	I	12+02.52

NOTES:
 1. REMOVE AND REPLACE DELINEATORS IN KIND.
 ITEM 646.50: REMOVE AND DISPOSE DELINEATORS AND MARKERS.
 ITEM 646.0603--25: INSTALL DELINEATOR OR TENTH MILE MARKER ON POST
 ITEM 646.0604--25: INSTALL DELINEATOR OR TENTH MILE MARKER, BACK-TO-BACK POST.

LEGEND:
 [Shaded Area] AREA OF MILL AND OVERLAY
 [Dashed Line] OVERLAY TOP COURSE, ITEM 404.0972
 [Dotted Line] COLD MILLING, ITEM 490.30

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
 STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S

LOCATION OF PROJECT: ALBANY DIVISION MP 178.38

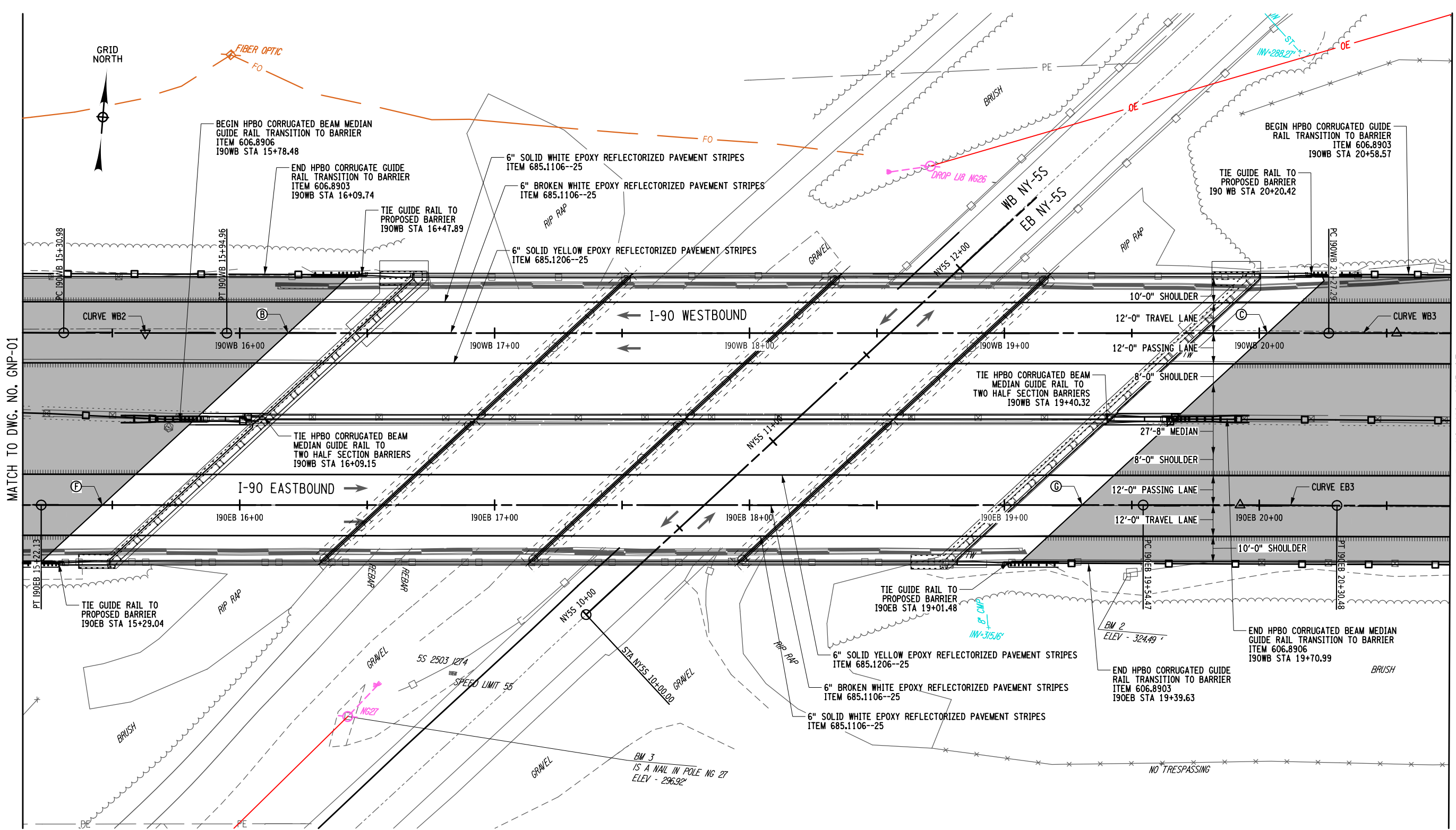
TITLE OF DRAWING: GENERAL ROADWAY PLAN (SHEET 1 OF 3)

CONTRACT NUMBER: TAA 25-06B

DATE: 12/11/2024

DRAWING NUMBER: GNP-01

PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: TA



MATCH TO DWG. NO. GNP-01

MATCH TO DWG. NO. GNP-03

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 12/10/2024
SIGNATURE: DANIEL A. LEVINE
STAMP:

NOTES:
1. SEE GNP-01 FOR CRITICAL STATION TABLE.
2. REMOVE AND REPLACE DELINEATORS IN KIND. ITEM 646.50; REMOVE AND DISPOSE DELINEATORS AND MARKERS. ITEM 646.0603--25; INSTALL DELINEATOR OR TENTH MILE MARKER ON POST. ITEM 646.0604--25; INSTALL DELINEATOR OR TENTH MILE MARKER, BACK-TO-BACK POST.

LEGEND:
 AREA OF MILL AND OVERLAY
 OVERLAY TOP COURSE, ITEM 404.0972
 COLD MILLING, ITEM 490.30

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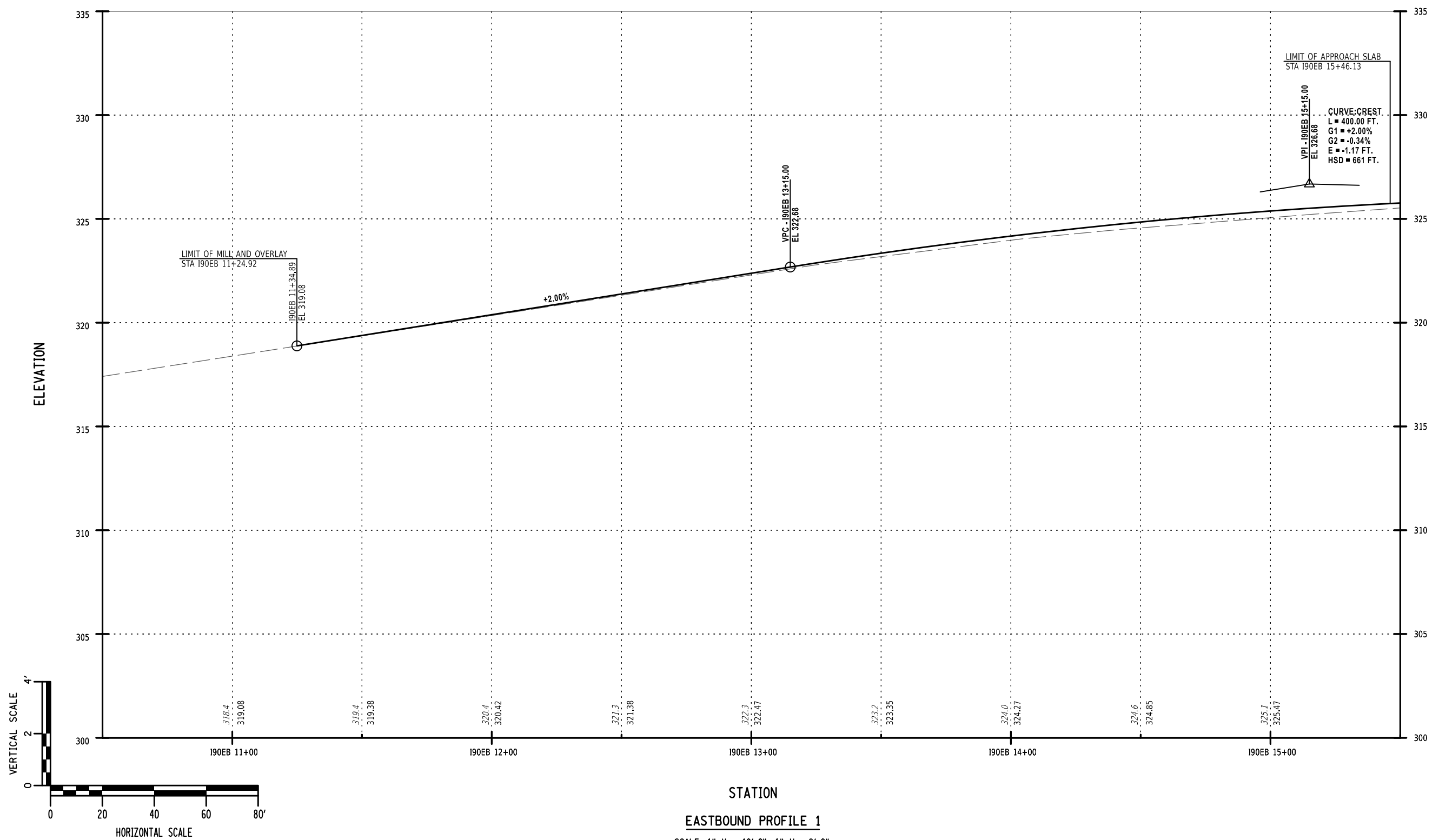
PARSONS

TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 55
 LOCATION OF PROJECT: ALBANY DIVISION MP 178.38
 TITLE OF DRAWING: GENERAL ROADWAY PLAN (SHEET 2 OF 3)


CONTRACT NUMBER: TAA 25-06B
 DATE: 12/11/2024
 DRAWING NUMBER: GNP-02



PW/ TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA





EASTBOUND PROFILE 1
 SCALE: 1" H = 40'-0", 1" V = 8'-0"

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: <div style="text-align: center; margin-top: 10px;">  </div>
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ROADWAY PROFILE (SHEET 1 OF 6)		DRAWING NUMBER: PRO-01

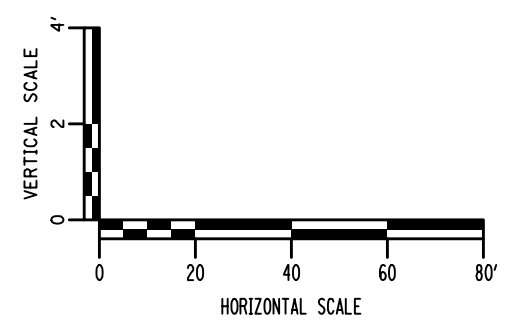
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DRAFTED BY: TA

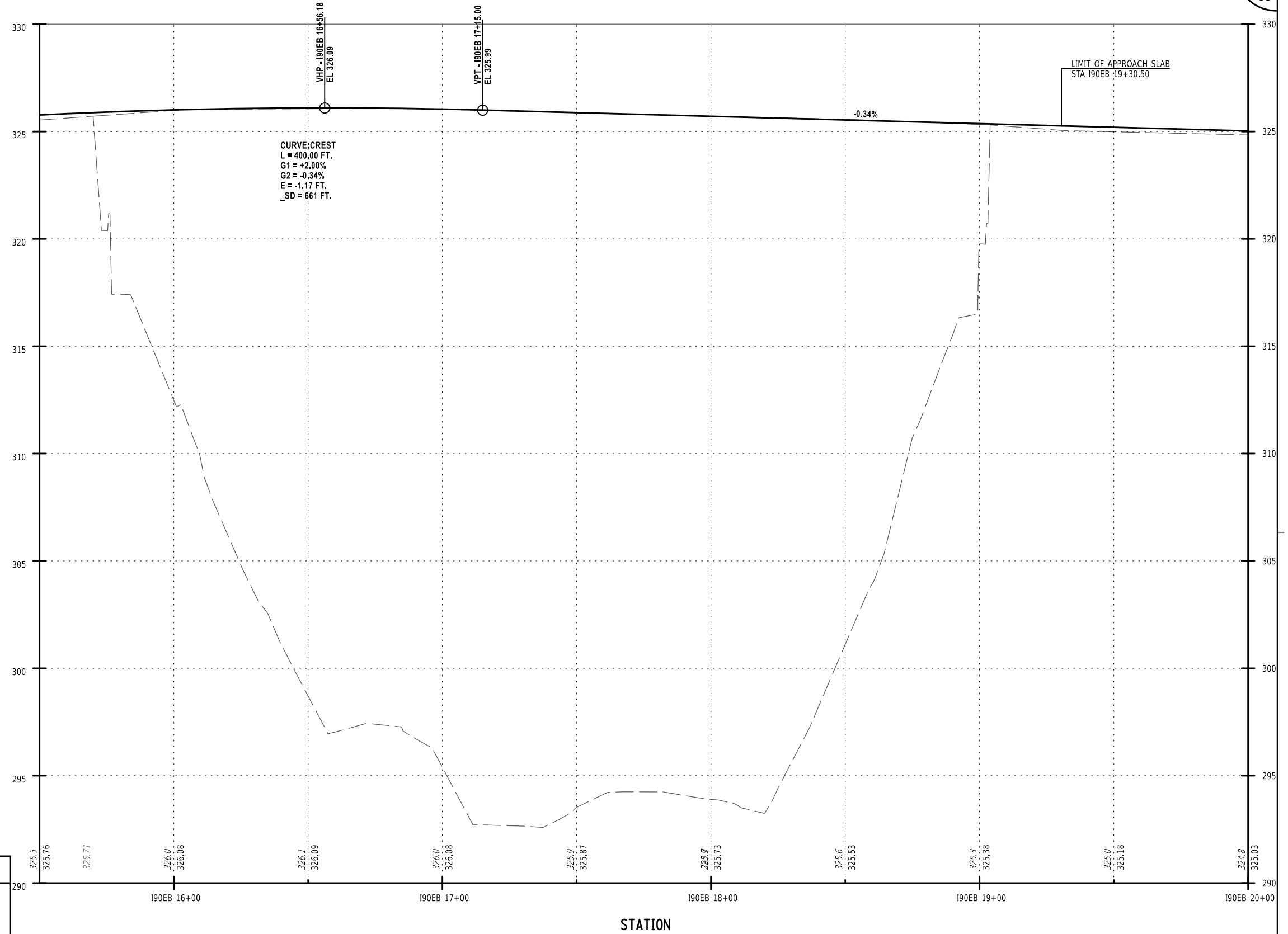
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA



ELEVATION



ALTERED ON:

AFFIXED ON: 12/10/2024

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STAMP:

SIGNATURE: DANIEL A. LEVINE
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT
REHABILITATION OF NYS THRUWAY (I-90)
BRIDGE OVER NY ROUTE 5S

LOCATION OF PROJECT
ALBANY DIVISION
MP 178.38

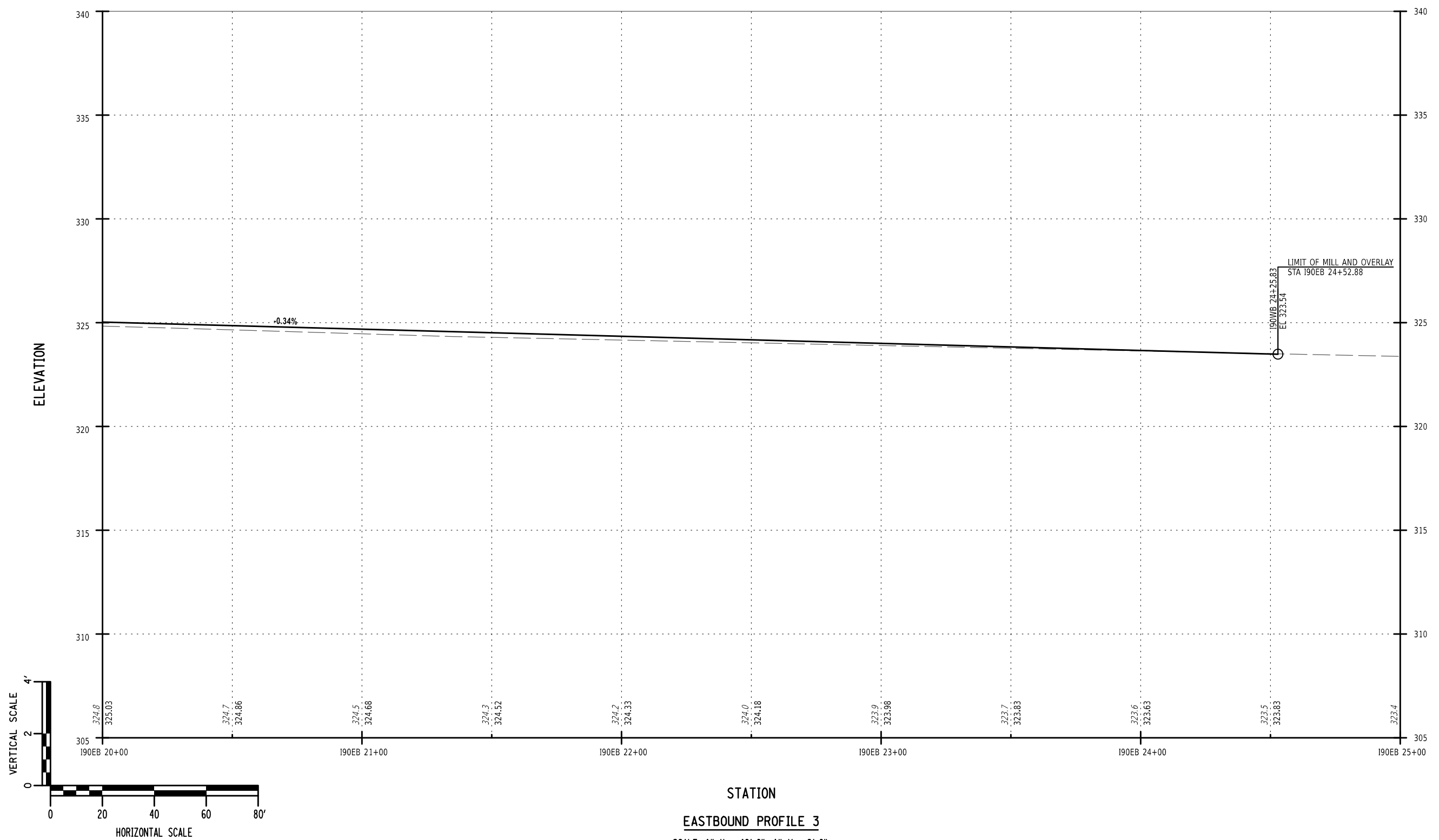
TITLE OF DRAWING
PROPOSED ROADWAY PROFILE
(SHEET 2 OF 6)

CONTRACT NUMBER:
TAA 25-06B


DATE:
12/11/2024

DRAWING NUMBER:
PRO-02

PW/ TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



EASTBOUND PROFILE 3
 SCALE: 1" H = 40'-0", 1" V = 8'-0"

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: <div style="text-align: center; margin-top: 10px;">  </div>
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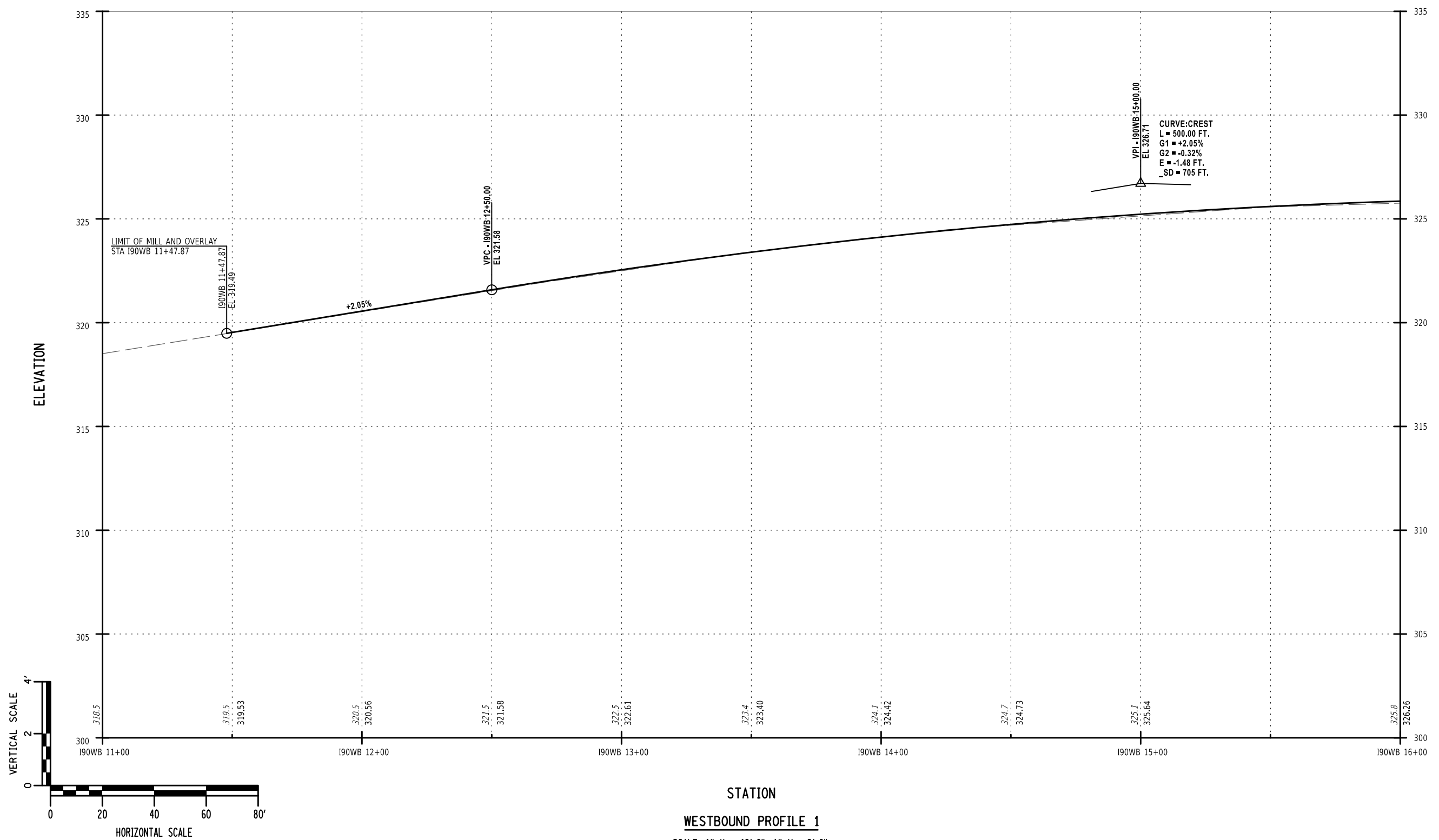
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DATE	DESCRIPTION	BY	SYM.





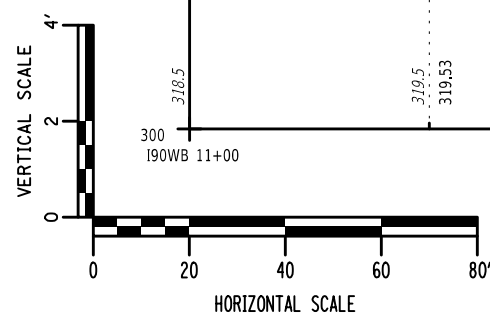
TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ROADWAY PROFILE (SHEET 3 OF 6)	DRAWING NUMBER: PRO-03

PW/ TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



CURVE: CREST
 L = 500.00 FT.
 G1 = +2.05%
 G2 = -0.32%
 E = -1.48 FT.
 SD = 705 FT.

LIMIT OF MILL AND OVERLAY
STA 190WB 11+47.87



ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE:	SIGNATURE: DANIEL A. LEVINE
STAMP:	

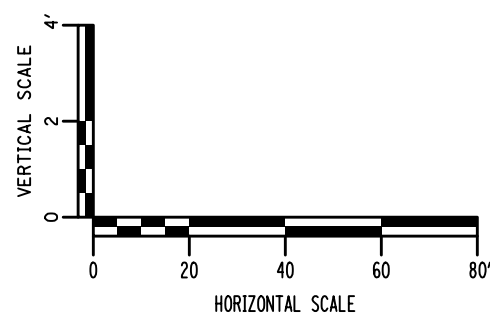
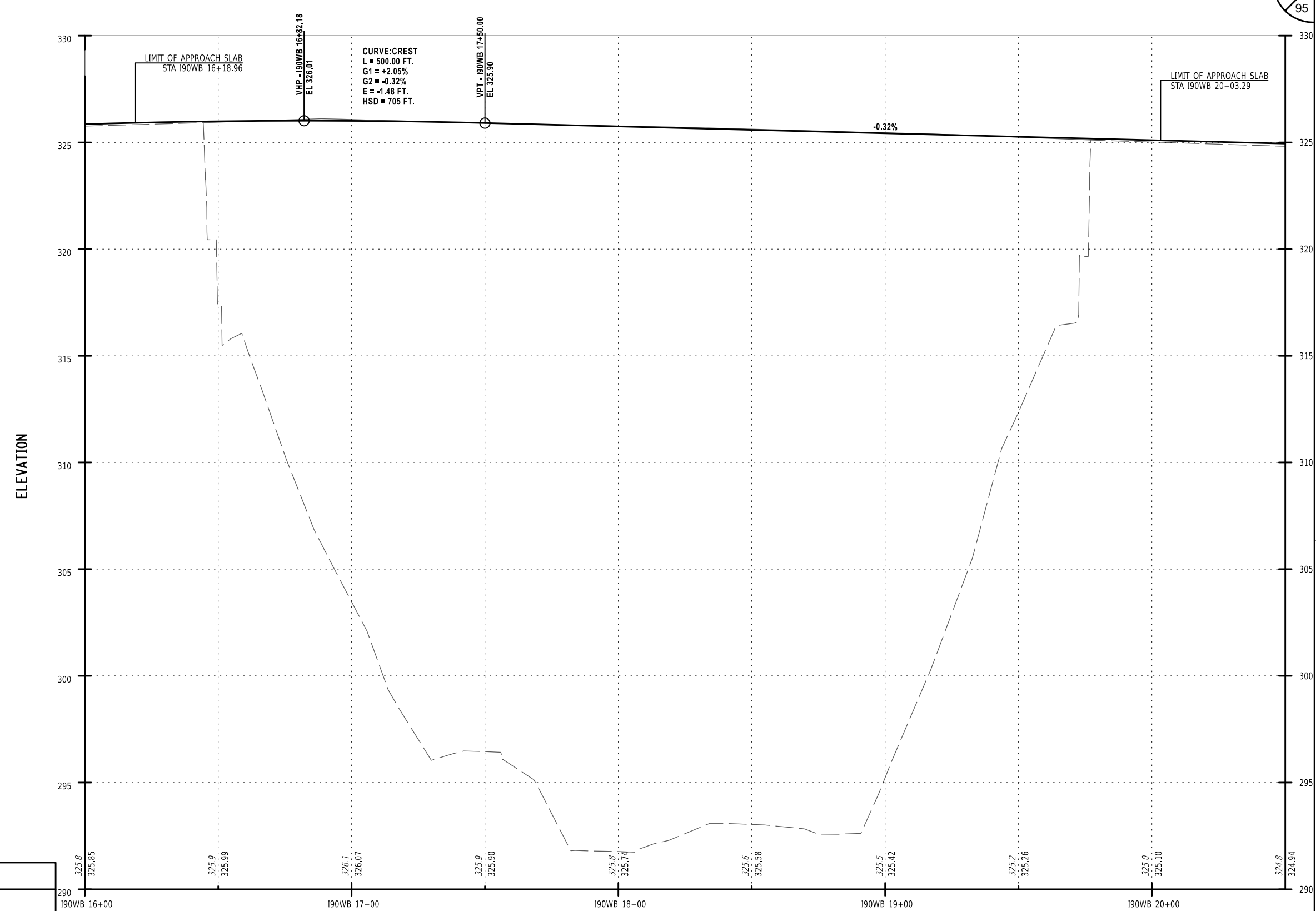
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ROADWAY PROFILE (SHEET 1 OF 6)	DRAWING NUMBER: PRO-04

PW/ TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____
 STAMP: _____

SIGNATURE: DANIEL A. LEVINE
 STAMP: _____

290
 190WB 16+00 190WB 17+00 190WB 18+00 190WB 19+00 190WB 20+00
 290

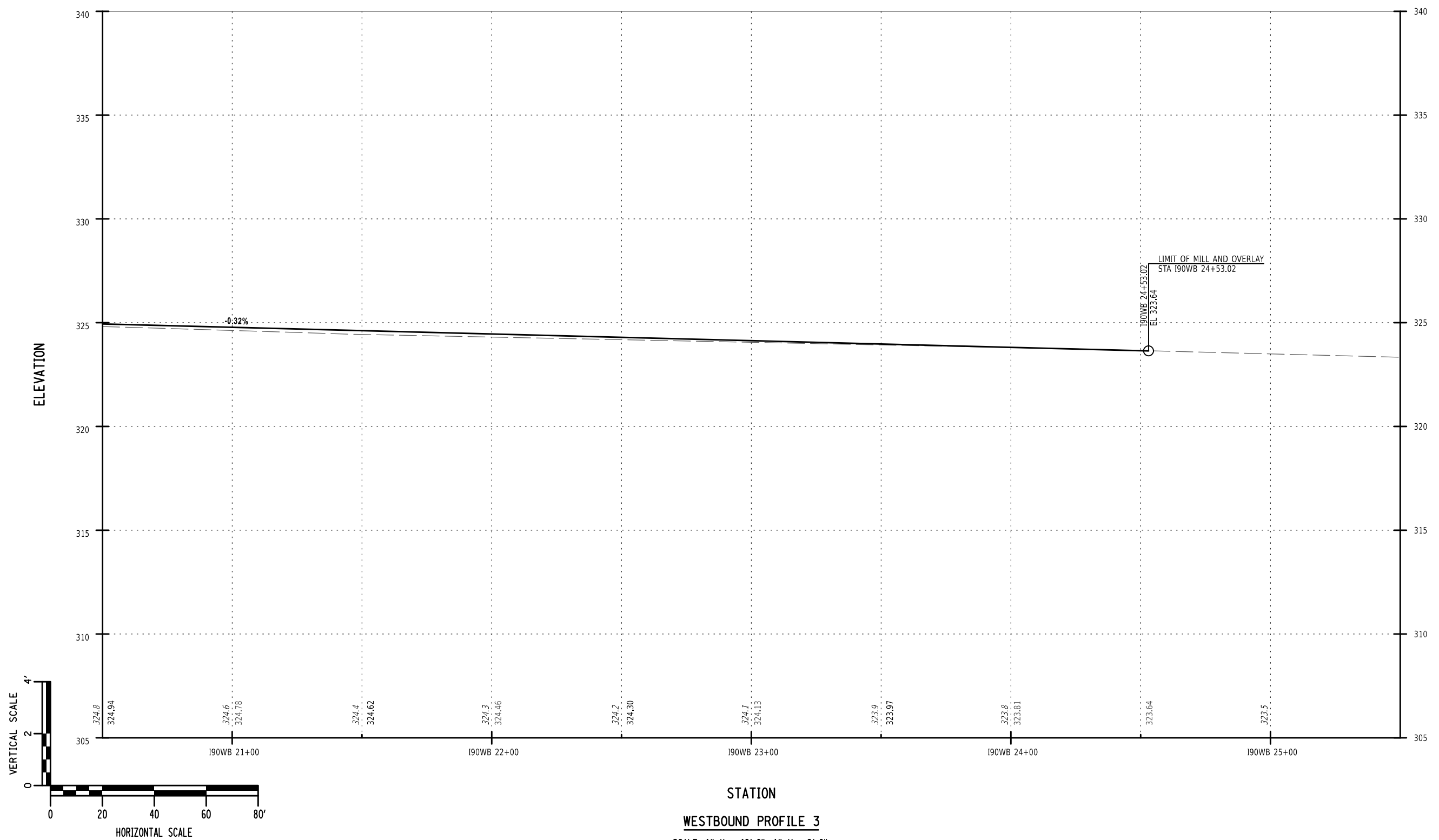
STATION
WESTBOUND PROFILE 2
 SCALE: 1" H = 40'-0", 1" V = 8'-0"

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE 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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TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ROADWAY PROFILE (SHEET 5 OF 6)	DRAWING NUMBER: PRO-05

PW/ TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



WESTBOUND PROFILE 3
 SCALE: 1" H = 40'-0", 1" V = 8'-0"

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: <div style="text-align: center; margin-top: 10px;">  </div>
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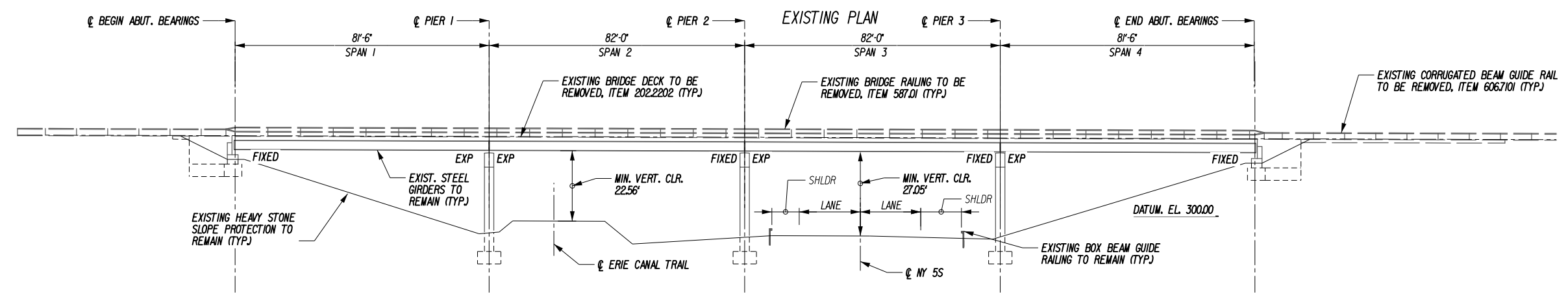
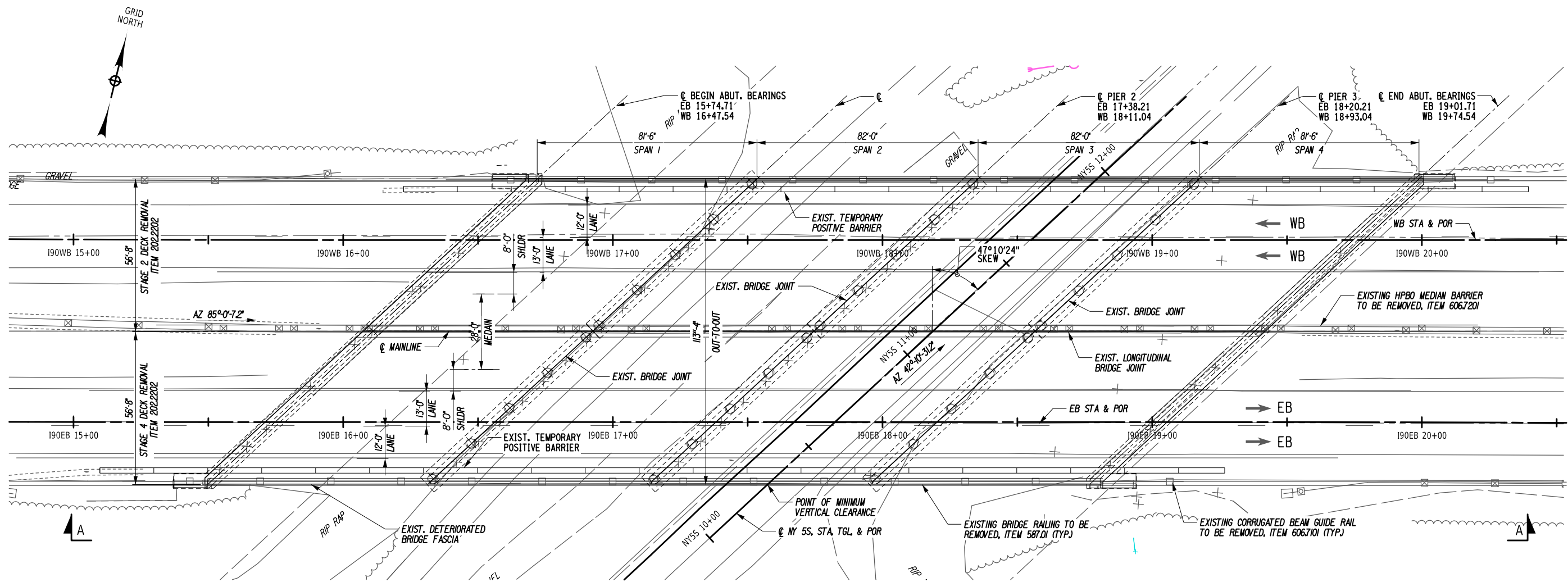
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



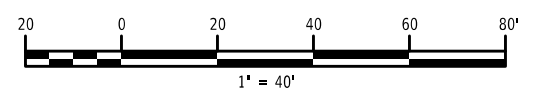



TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ROADWAY PROFILE (SHEET 6 OF 6)	DRAWING NUMBER: PRO-06

PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE




VIEW A-A
EXISTING ELEVATION

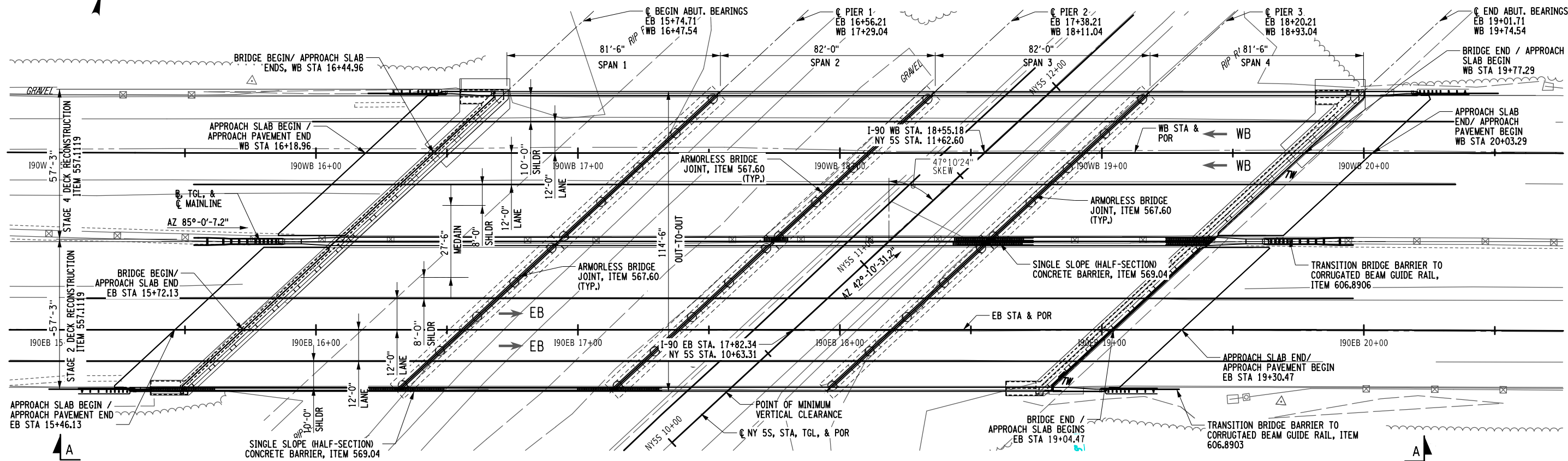


ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
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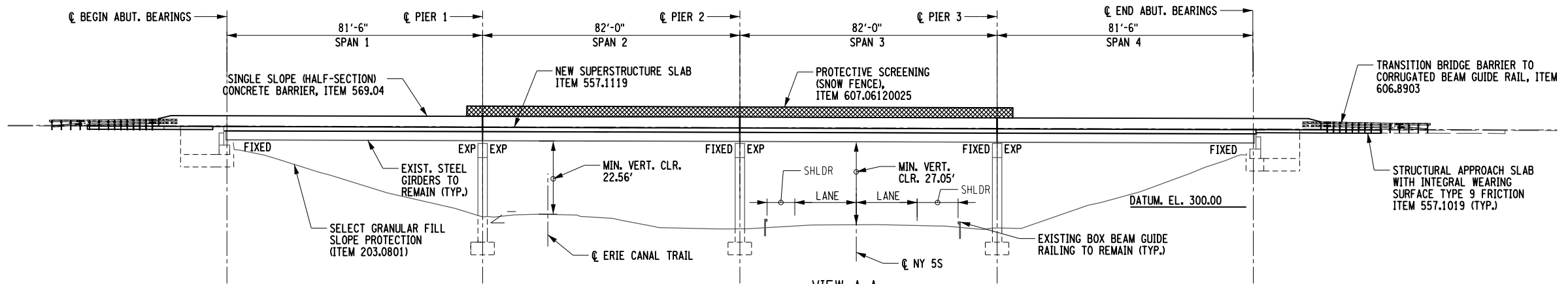
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

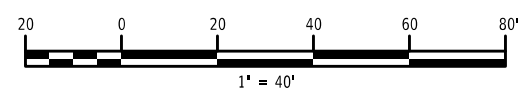
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	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING EXISTING PLAN AND ELEVATION		DRAWING NUMBER: ST-1




PROPOSED PLAN



VIEW A-A
PROPOSED ELEVATION




PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

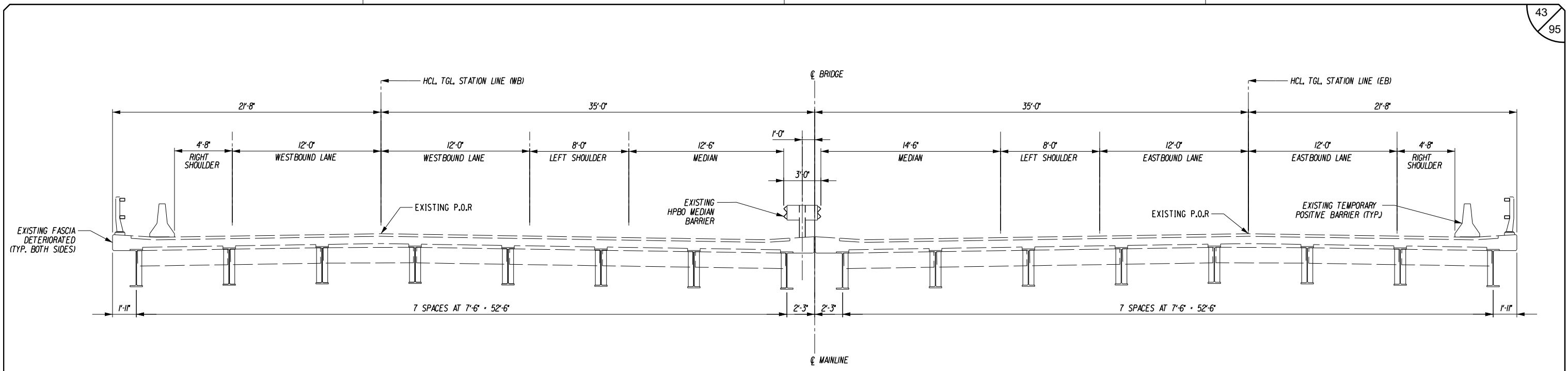
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

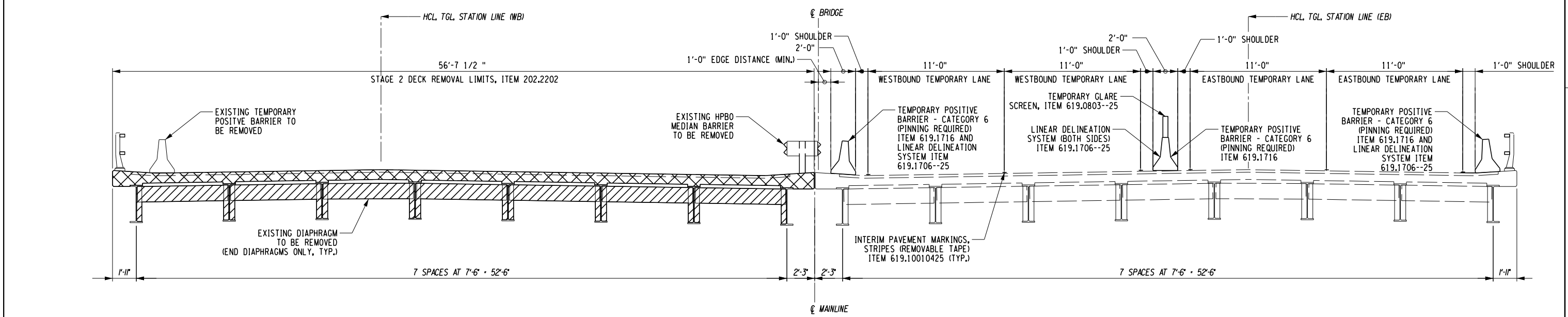
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING EXISTING PLAN AND ELEVATION		DRAWING NUMBER: ST-2


PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE



STAGE 1 SECTION - EXISTING BRIDGE




STAGE 2 SECTION - WESTBOUND DECK REPLACEMENT

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: <div style="text-align: center; margin-top: 10px;">  </div>
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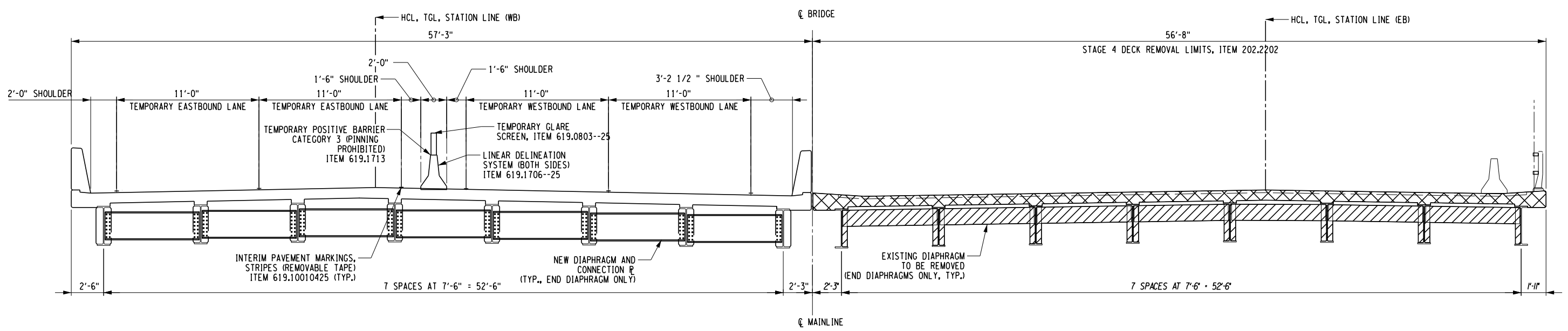
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

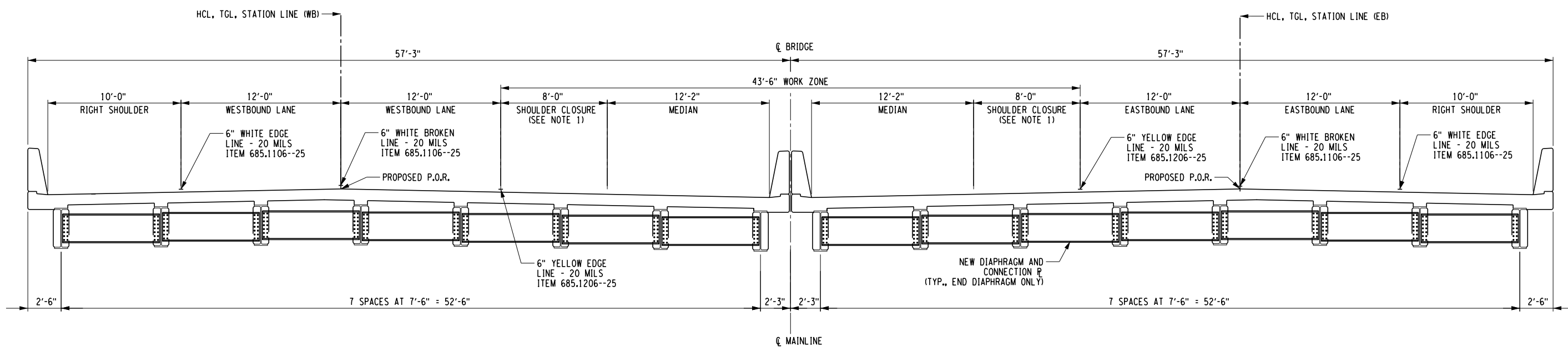
 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S LOCATION OF PROJECT ALBANY DIVISION MP 178.38 TITLE OF DRAWING STAGED CONSTRUCTION SECTIONS (SHEET 1 OF 2)	CONTRACT NUMBER: TAA 25-06B DATE: 12/11/2024 DRAWING NUMBER: ST-3
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- REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS ITEM 202.2202
- REMOVAL OF STEEL ITEM 589.010001

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



STAGE 4 SECTION - EASTBOUND DECK REPLACEMENT



STAGE 5 SECTION - SHOULDER CLOSURE

- REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS ITEM 202.2202
- REMOVAL OF STEEL ITEM 589.010001

NOTES:
1. SEE NYSTA STANDARD SHEET TA 619-03 FOR SHOULDER CLOSURE DETAILS.

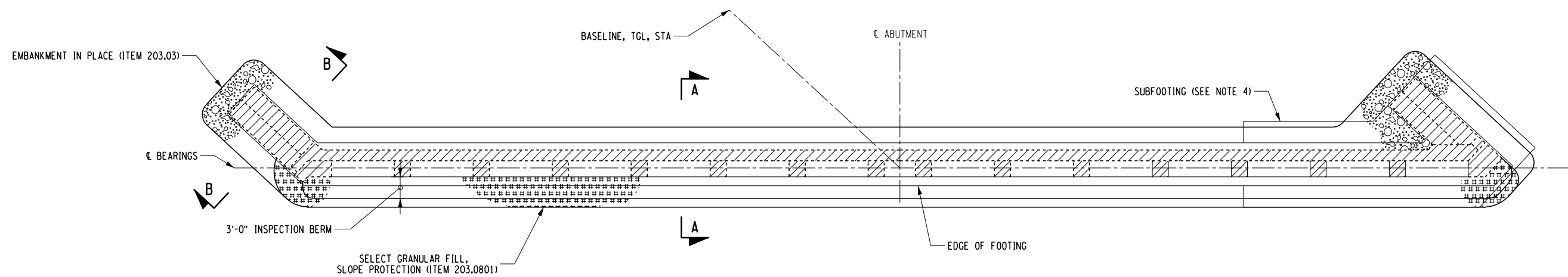
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP:
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

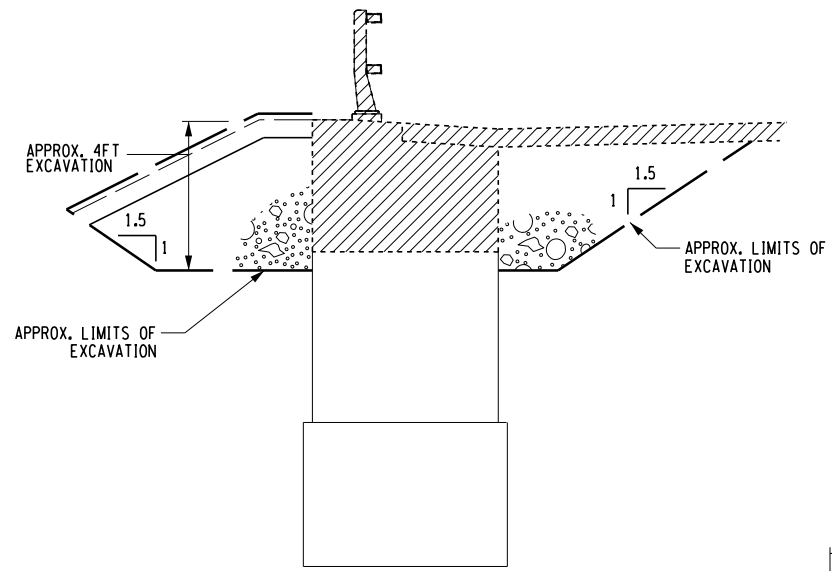
	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S LOCATION OF PROJECT ALBANY DIVISION MP 178.38	CONTRACT NUMBER: TAA 25-06B DATE: 12/11/2024 DRAWING NUMBER: ST-4
PARSONS	TITLE OF DRAWING STAGED CONSTRUCTION SECTIONS (SHEET 2 OF 2)	

PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE

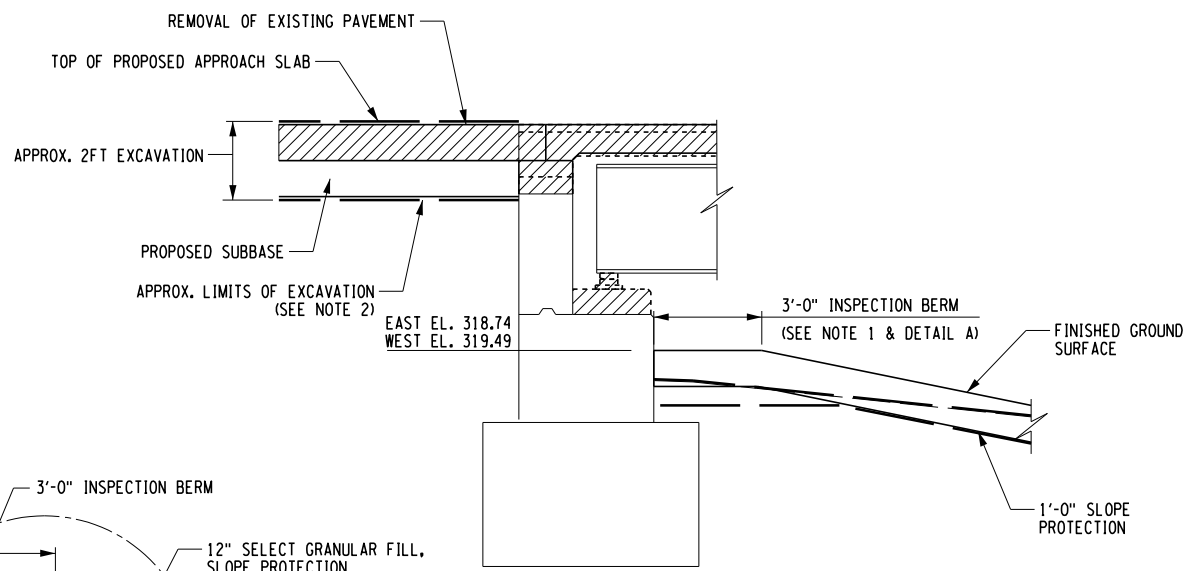


**ABUTMENT EMBANKMENT AND EXCAVATION
PLAN**
 SCALE: 1/16" = 1'-0"

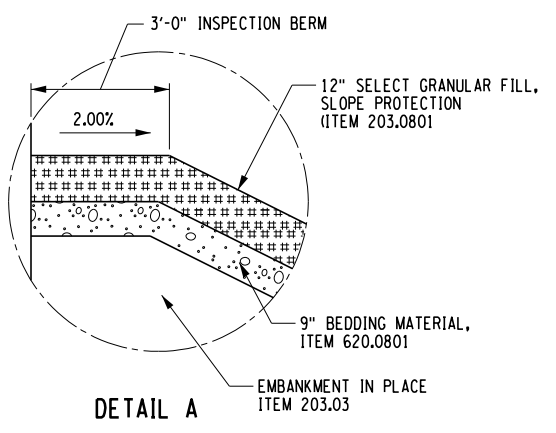
- NOTES:**
- EXISTING GRADE IN FRONT OF THE WEST ABUTMENT IS IRREGULAR DUE TO PRIOR FLOOD EVENTS. THE DESIGN INTENT IS TO REGRADE IN FRONT OF BOTH ABUTMENTS TO RE-ESTABLISH AN INSPECTION BERM OVER THE FOOTING.
 - EXCAVATION BEHIND THE ABUTMENT IS INTENDED TO ALLOW FOR RECONSTRUCTION OF THE ABUTMENT BACKWALL AND INSTALLATION OF A NEW APPROACH SLAB AND SUPERSTRUCTURE SLAB.
 - EXCAVATION ON EITHER SIDE OF THE WINGWALLS IS INTENDED TO PERMIT RECONSTRUCTION OF THE WINGWALL AND PERFORM SUBSTRUCTURE REPAIRS TO UNSOUND CONCRETE.
 - THE CONTRACTOR IS ALERTED TO THE PRESENCE OF A SUBFOOTING AND REINFORCED EARTH FILL AT THE WEST ABUTMENT'S NORTH WINGWALL. THIS WAS INSTALLED AS AN EMERGENCY REPAIR FOLLOWING FLOODING RESULTING FROM HURRICANE IRENE IN 2009 AS PART OF TAA 09-42B. THE DESIGN INTENT FOR THIS CONTRACT IS TO LIMIT EXCAVATION TO THE EXTENT PRACTICAL TO AVOID DISTURBING THE REINFORCED EARTH. IF DISTURBED ATTEMPT TO SALVAGE EXISTING REINFORCEMENT AND REINSTALL. NOTIFY THE ENGINEER-IN-CHARGE IF THE CONDITION OF THE EXISTING REINFORCEMENT IS BEYOND SALVAGE.
 - FOR STRUCTURE EXCAVATION OVER 5'-0" DEEP USE A LAYBACK SLOPE OF 1 VERTICAL TO 1.5 HORIZONTAL FROM THE BOTTOM OF EXCAVATION.
 - FOR ABUTMENT REPAIR DETAILS, SEE DWG. NOS. ST-7 AND ST-8.



SECTION B-B




SECTION A-A




DETAIL A

- LEGEND**
- REMOVAL OF EXISTING STRUCTURE
 - SELECT GRANULAR FILL, SLOPE PROTECTION (ITEM 203.0801)
 - BEDDING MATERIAL (ITEM 203.03)
 - BEDDING MATERIAL (ITEM 620.0801)
 - AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
 - EXISTING GROUND SURFACE

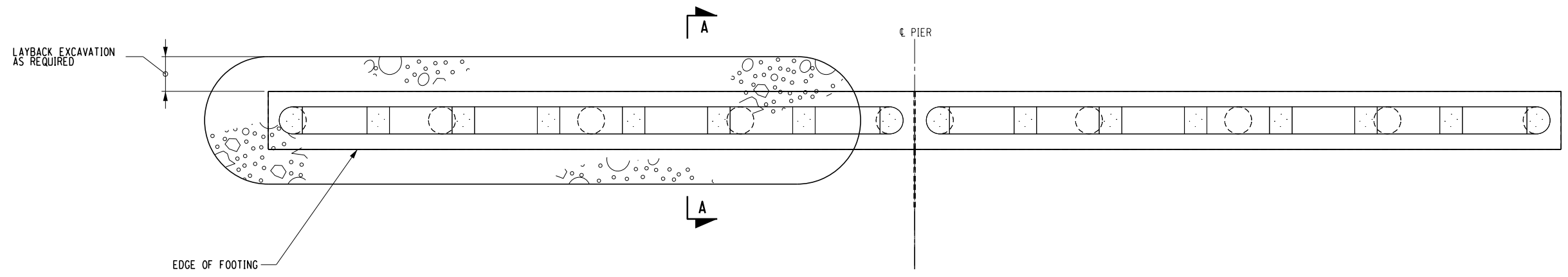
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
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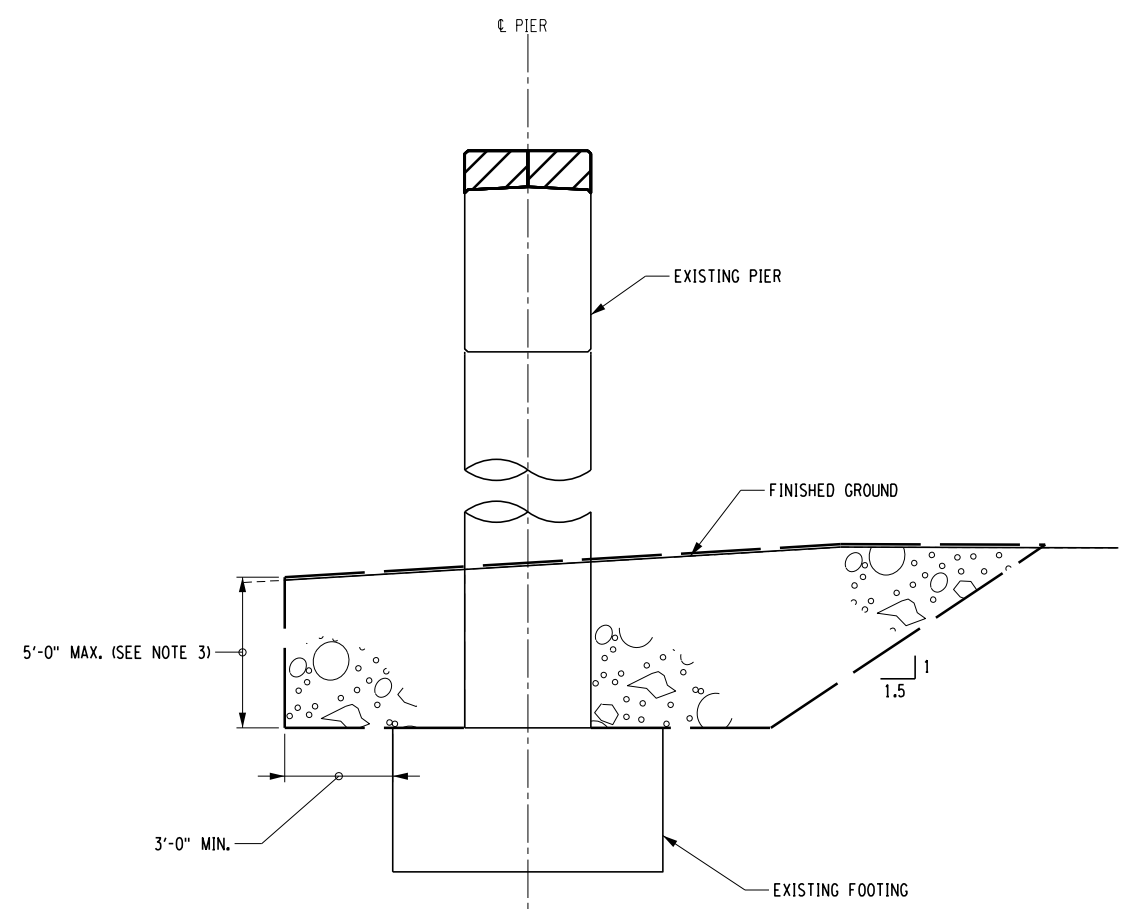
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/06/2024
TITLE OF DRAWING EXCAVATION AND EMBANKMENT PLAN AND SECTION (SHEET 1 OF 2)	DRAWING NUMBER: ST-5	

PW:/
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



PIER EMBANKMENT AND EXCAVATION PLAN
 (PIER 1 SHOWN, PIER 2 AND 3 SIMILAR)
 SCALE: 1/16 = 1'-0"

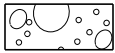
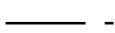



SECTION A-A
 SCALE: 3/8 = 1'-0"

NOTES:

1. EXCAVATION AT PIERS IS LIMITED TO PIER COLUMN LOCATIONS UNDERGOING FULL HEIGHT REPAIRS. SEE DWG. NOS. ST-11 TO ST-13 FOR COLUMN REPAIR LOCATIONS.
2. THE CONTRACTOR SHALL EXCAVATE TO THE TOP OF THE PIER FOOTING AS REQUIRED TO COMPLETE THE REPAIR. EXTENTS OF EXCAVATION SHALL BE SUFFICIENT TO COMPLETE THE REPAIR AND SHORE THE PIER CAP.
3. FOR STRUCTURE EXCAVATION OVER 5'-0" DEEP USE A LAYBACK SLOPE OF 1 VERTICAL TO 1.5 HORIZONTAL FROM THE BOTTOM OF EXCAVATION. REFER TO NEW YORK STATE BRIDGE MANUAL SECTION 4 FOR MORE GUIDANCE.


LEGEND

-  EMBANKMENT IN PLACE (ITEM 203.03)
-  AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)

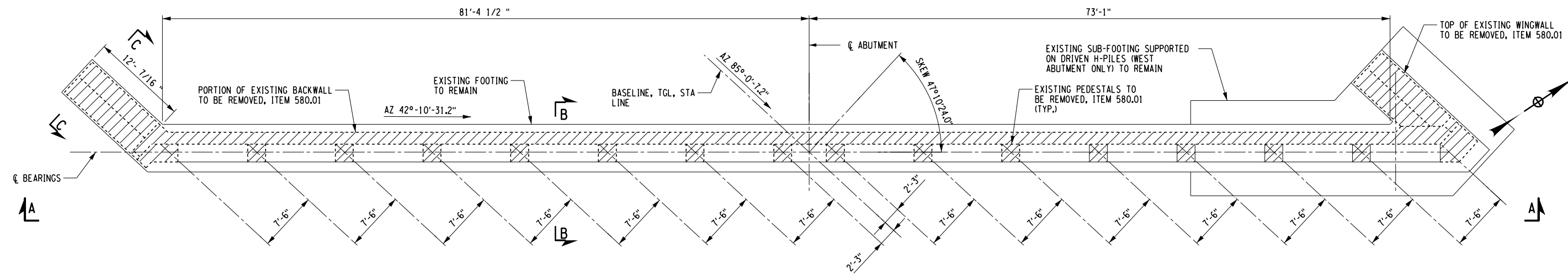
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
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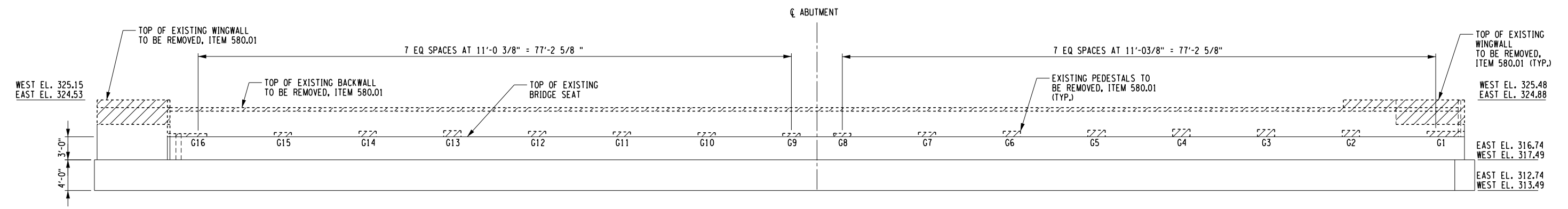
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S LOCATION OF PROJECT ALBANY DIVISION MP 178.38	CONTRACT NUMBER: TAA 25-06B DATE: 12/06/2024 DRAWING NUMBER: ST-6
	TITLE OF DRAWING EXCAVATION AND EMBANKMENT PLAN AND SECTION (SHEET 2 OF 2)	

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



EXISTING ABUTMENT PLAN
(WEST ABUTMENT SHOWN, EAST ABUTMENT SIMILAR)

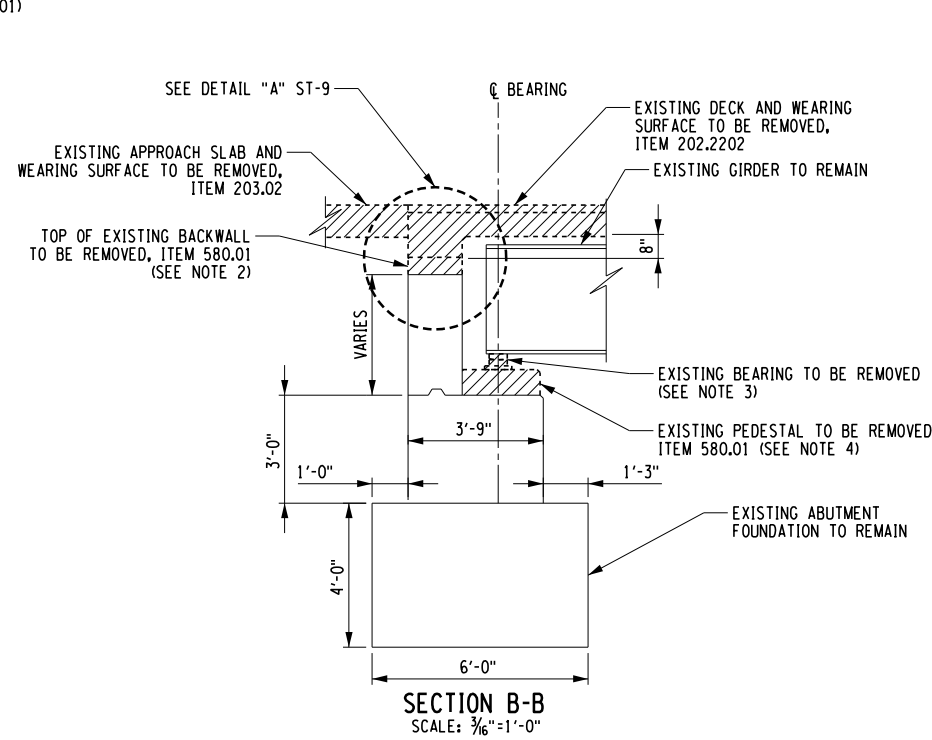


VIEW A-A
EXISTING ABUTMENT ELEVATION

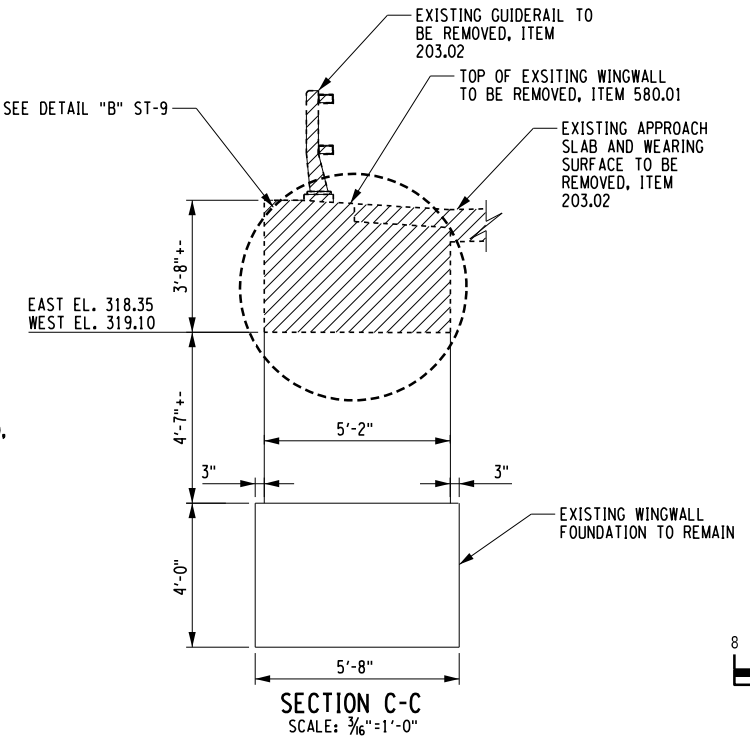
CONCRETE REMOVAL TABLE		
LOCATION	QUANTITY	ITEM NO.
EAST ABUTMENT	6 CY	580.01
WEST ABUTMENT	6 CY	580.01
PEDESTALS	22 CY	580.01

LEGEND
 CONCRETE REMOVAL (ITEM 580.01)

- NOTES:**
- FOR EXCAVATION AND EMBANKMENT DETAILS AT ABUTMENT AND WINGWALL LOCATIONS, SEE DWG. NO. ST-5.
 - FOR PROPOSED JOINTLESS ABUTMENT DETAILS, SEE DWG. NO. ST-39.
 - FOR PROPOSED BEARING DETAILS, SEE DWG. NOS. ST-22 TO ST-24.
 - FOR PROPOSED PEDESTAL DETAILS, SEE DWG. NOS. ST-20 AND ST-21.
 - THE EXISTING SUBSTRUCTURE ELEVATIONS PROVIDED ON THIS DRAWING WERE TAKEN FROM THE ORIGINAL 1952 RECORD PLANS AND ARE ASSUMED TO REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). THE CONVERSION BETWEEN THIS PROJECT'S DATUM (NAVD 88) AND THE ORIGINAL DATUM (NGVD 29) IS AS FOLLOWS:
 NAVD 88 ELEVATION: NGVD 29 ELEVATION - 0.515 FT.

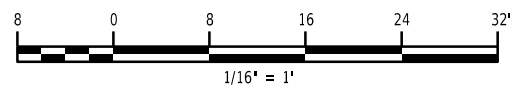


SECTION B-B
SCALE: 3/16"=1'-0"



SECTION C-C
SCALE: 3/16"=1'-0"

	TABLE OF EXISTING PEDESTAL ELEVATIONS	
	W. ABUTMENT	E. ABUTMENT
G1	321.20	320.27
G2	321.32	320.41
G3	321.44	320.56
G4	321.47	320.61
G5	321.34	320.52
G6	321.22	320.42
G7	321.08	320.33
G8	320.95	320.24
G9	320.94	320.25
G10	321.03	320.39
G11	321.12	320.53
G12	321.20	320.67
G13	321.28	320.81
G14	321.21	320.81
G15	321.05	320.71
G16	320.89	320.62



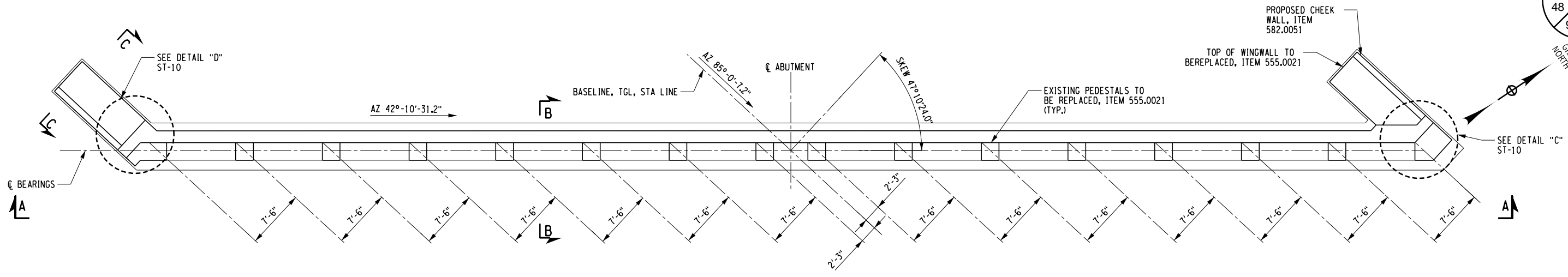
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: DANIEL A. LEVINE	SIGNATURE: DANIEL A. LEVINE

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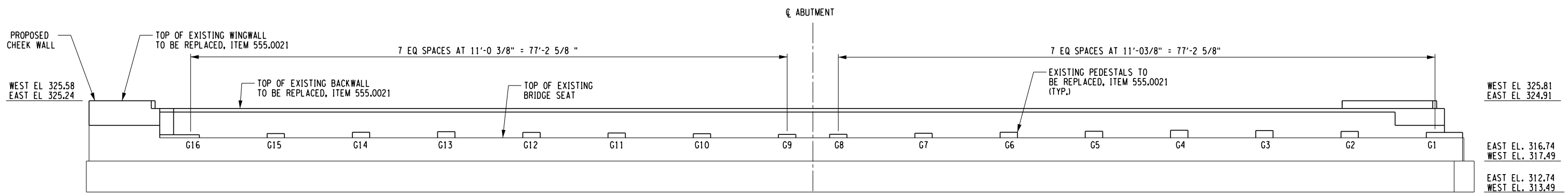
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
		TITLE OF DRAWING EXISTING ABUTMENT PLAN AND ELEVATION
		DRAWING NUMBER: ST-7

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



**EXISTING ABUTMENT PLAN
(WEST ABUTMENT SHOWN, EAST ABUTMENT SIMILAR)**



**VIEW A-A
EXISTING ABUTMENT ELEVATION**

CONCRETE TABLE		
LOCATION	QUANTITY	ITEM NO.
EAST ABUTMENT	6 CY	555.0021
WEST ABUTMENT	6 CY	555.0021
PEDESTALS	22 CY	555.0021

PROTECTIVE SEALING		
LOCATION	QUANTITY*	ITEM NO.
STEM & BACKWALL	1400 SF	559.04
WINGWALLS	200 SF	559.04

AT THE COMPLETION OF REPAIR WORK APPLY A PROTECTIVE SEALER TO ALL EXPOSED CONCRETE SURFACES.
 *QUANTITIES ARE FOR EACH ABUTMENT

NOTES:
 1. FOR NOTES, SEE DWG. NO. ST-7.

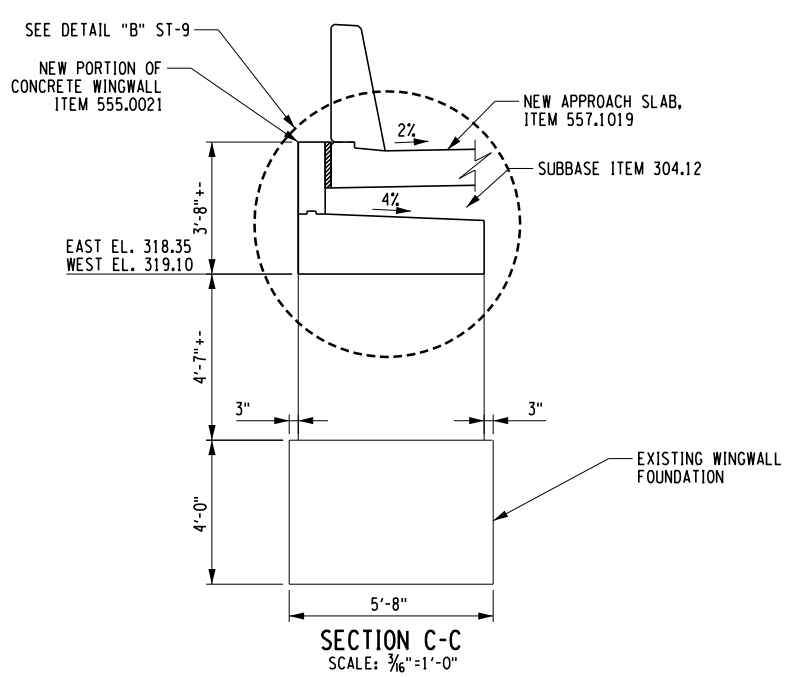
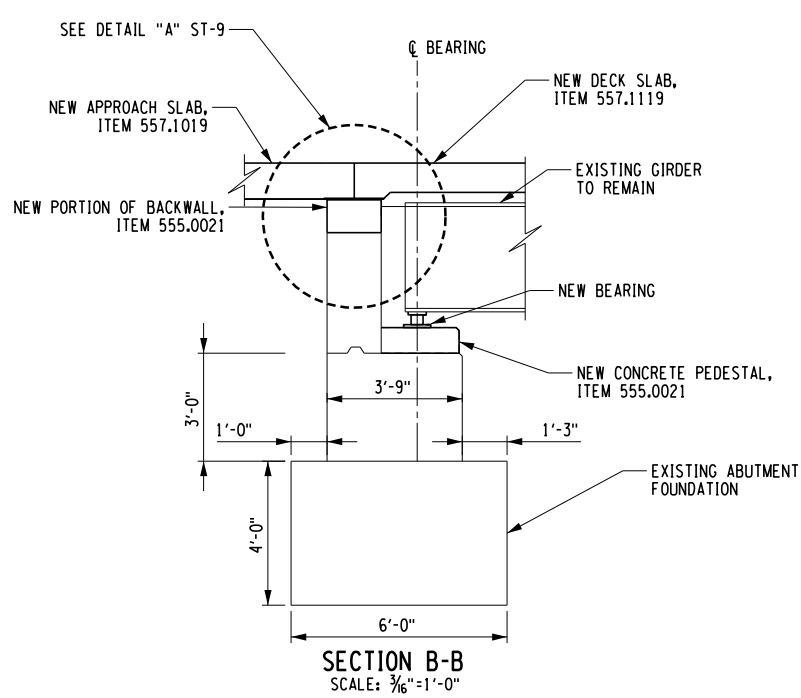


	TABLE OF EXISTING PEDESTAL ELEVATIONS	
	W. ABUTMENT	E. ABUTMENT
G1	321.18	320.29
G2	321.32	320.46
G3	321.46	320.64
G4	321.54	320.75
G5	321.38	320.63
G6	321.21	320.51
G7	321.03	320.38
G8	320.86	320.26
G9	320.99	320.20
G10	321.12	320.38
G11	321.24	320.56
G12	321.36	320.73
G13	321.47	320.91
G14	321.34	320.85
G15	321.15	320.73
G16	320.95	320.60

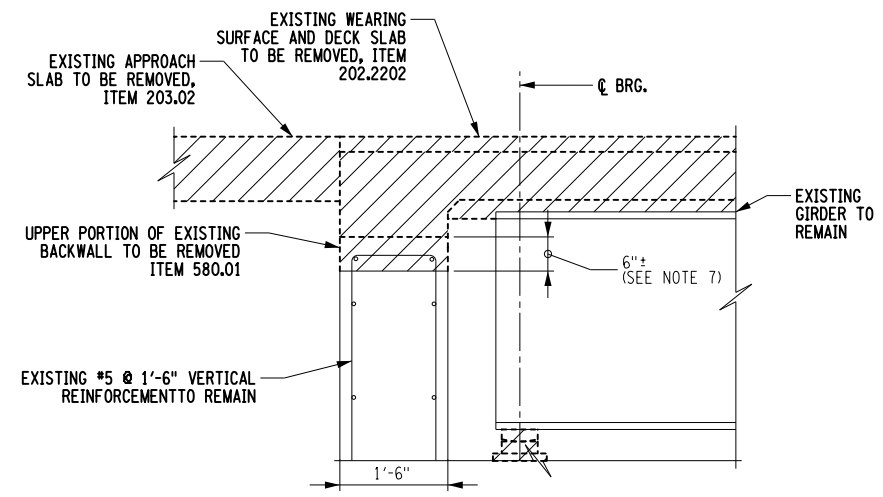
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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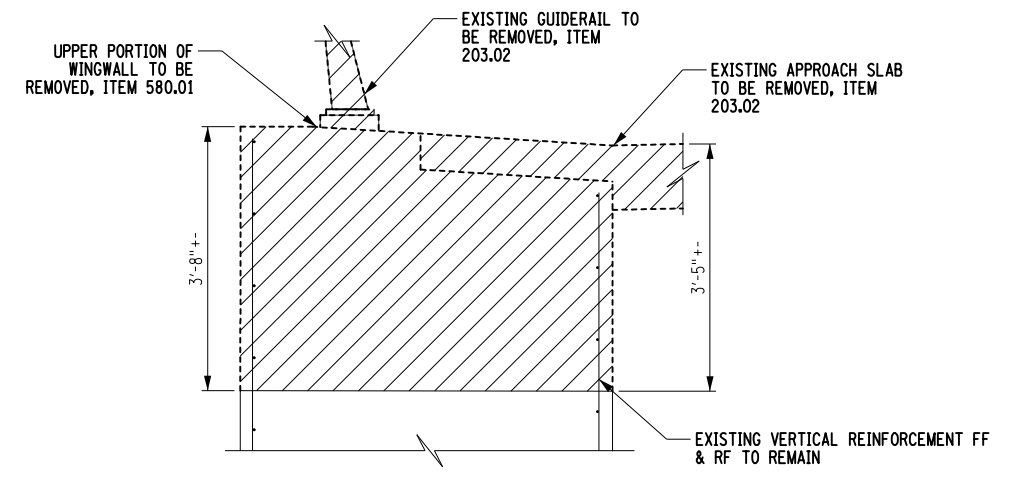
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

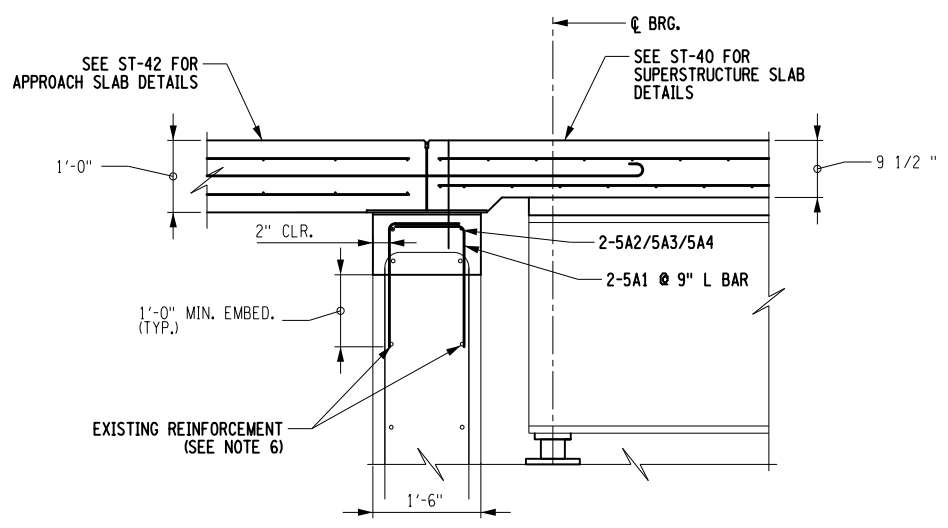
TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ABUTMENT PLAN AND ELEVATION	DRAWING NUMBER: ST-8



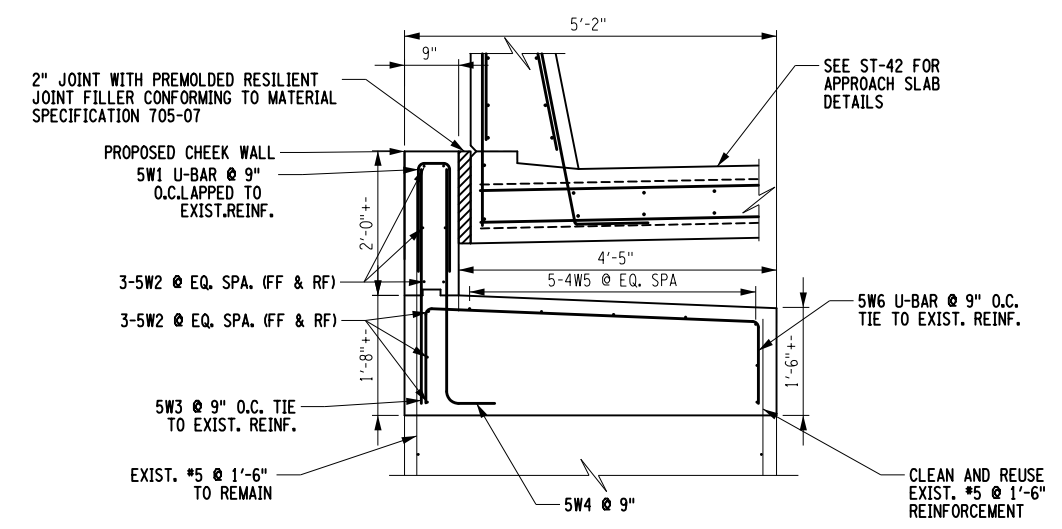
DETAIL "A" EXISTING ABUTMENT
SCALE: 3/8"=1'-0"



DETAIL "B" EXISTING WINGWALL
SCALE: 3/8"=1'-0"



DETAIL "A" PROPOSED ABUTMENT
SCALE: 3/8"=1'-0"




DETAIL "B" PROPOSED WINGWALL
SCALE: 3/8"=1'-0"

NOTES:

- COVER FOR NEW REINFORCEMENT IS 2" UNLESS OTHERWISE NOTED.
- EXISTING REINFORCEMENT EXPOSED BEFORE AND DURING THE CONCRETE REMOVAL SHALL BE CLEANED OF ALL LOOSE RUST, OILS AND FOREIGN MATERIAL IN ACCORDANCE WITH SECTION 584-3.02 OF THE NYS DOT STANDARD SPECIFICATIONS.
- DETERIORATED REINFORCEMENT WITH SECTION LOSS EXCEEDING 25% OF THE BAR'S ORIGINAL DIAMETER SHALL BE SUPPLEMENTED WITH NEW REINFORCEMENT OF THE SAME SIZE AND TYPE AS THE ORIGINAL.
- FOR WELDED SPLICE AND LAP SPLICE CRITERIA SEE DRAWING NO. ST-17. IF SUPPLEMENTAL BARS ARE CONNECTED VIA WELDED SPLICE, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
- DRILLING AND GROUTING REINFORCING BARS SHALL BE PAID FOR UNDER ITEM 586.02--25.
- LOCATE EXISTING LONGITUDINAL BACKWALL REINFORCEMENT USING NON DESTRUCTIVE INVESTIGATIVE METHODS PRIOR TO DRILLING AND GROUTING NEW REINFORCEMENT. NOTIFY THE ENGINEER IF EXISTING REINFORCEMENT WILL CONFLICT WITH NEW BAR.
- REMOVE EXISTING BACKWALL TO A MINIMUM OF 1 1/2" BEYOND THE EXISTING REINFORCEMENT, PAID FOR UNDER ITEM 580.01.

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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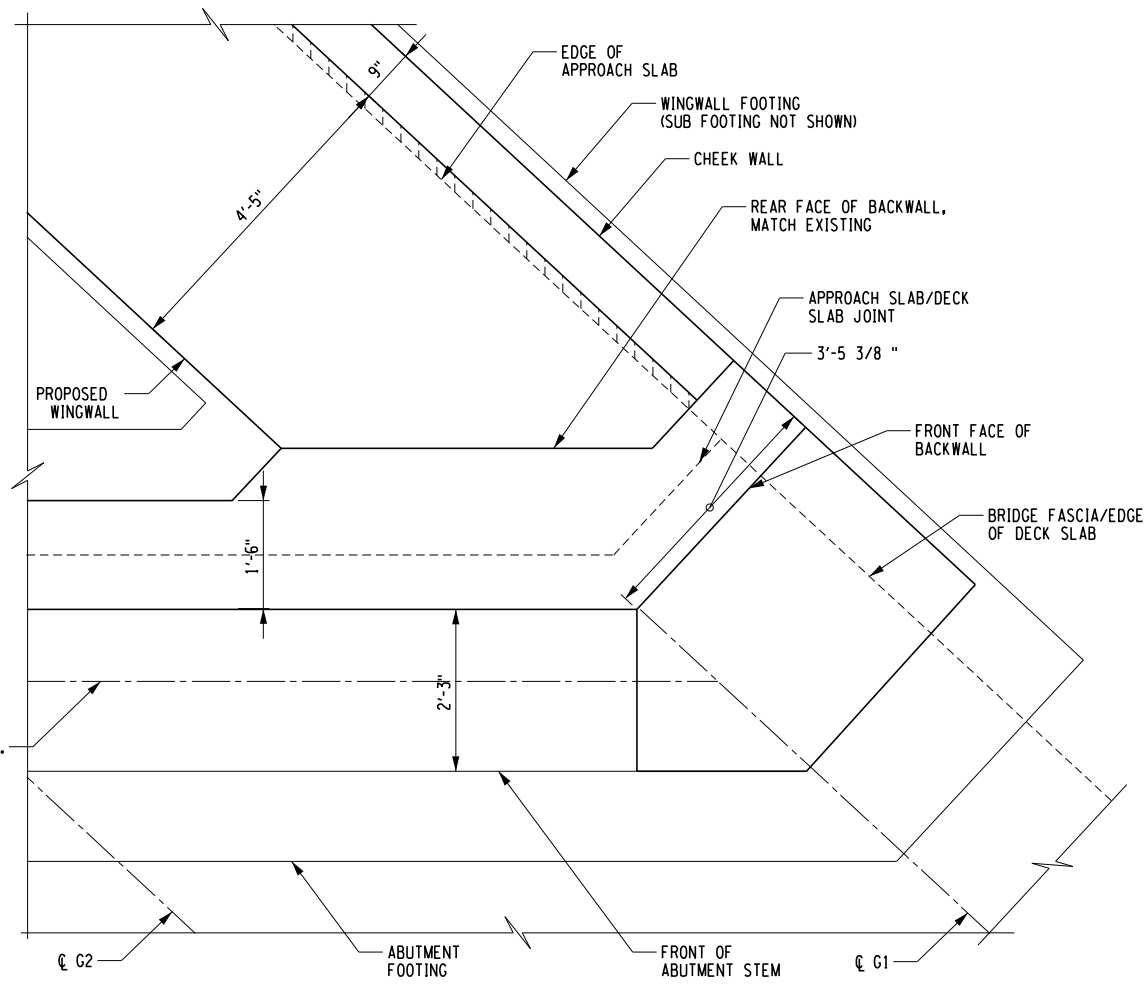
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



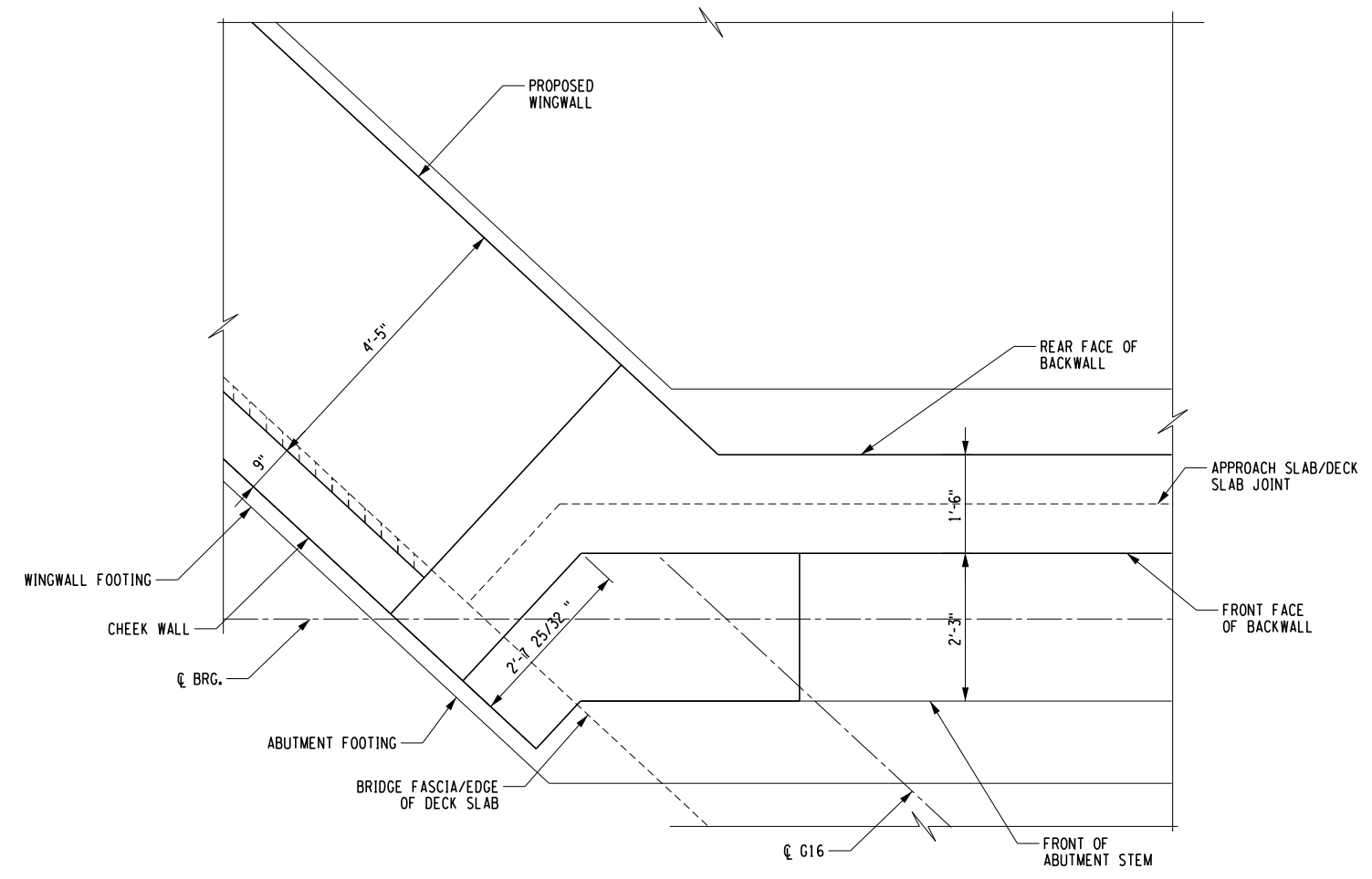
PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ABUTMENT DETAILS (SHEET 1 OF 2)	DRAWING NUMBER: ST-9

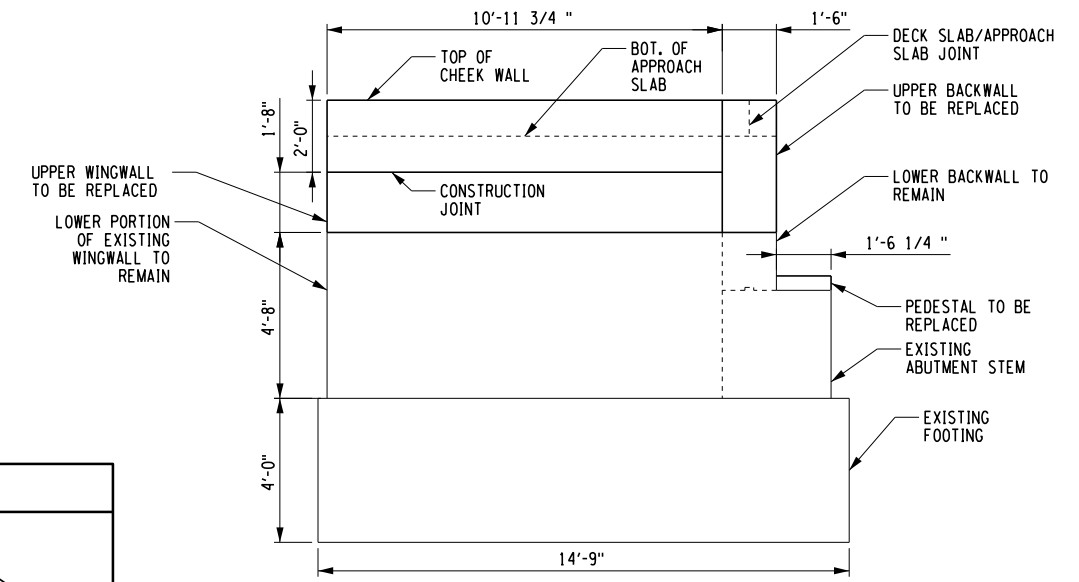
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE




DETAIL "C" PROPOSED ABUTMENT WINGWALL INTERFACE
SCALE: 3/8"=1'-0"



DETAIL "D" PROPOSED ABUTMENT WINGWALL INTERFACE
SCALE: 3/8"=1'-0"




VIEW D-D WINGWALL ELEVATION
SCALE: 3/16"=1'-0"

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED ABUTMENT DETAILS (SHEET 1 OF 2)		DRAWING NUMBER: ST-10

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

TABLE OF EXISTING PEDESTAL ELEVATIONS	
PEDESTAL NO.	PIER 1
G1	320.00
G2	321.15
G3	321.29
G4	321.34
G5	321.25
G6	321.15
G7	321.06
G8	320.96
G9	320.98
G10	321.10
G11	321.23
G12	321.35
G13	321.48
G14	321.45
G15	321.32
G16	321.19

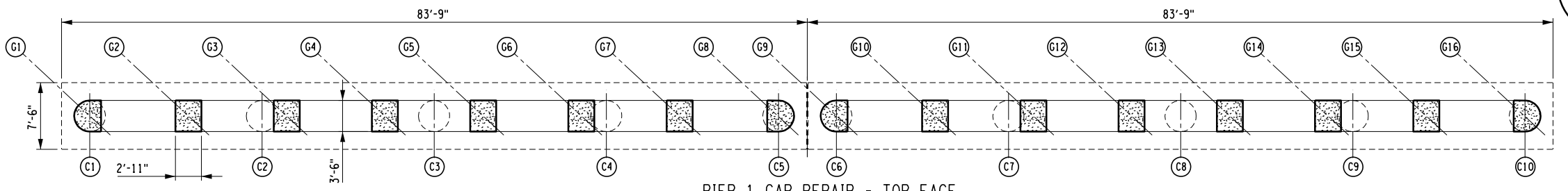
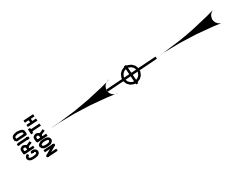
PROTECTIVE SEALING		
LOCATION	QUANTITY	ITEM NO.
COLUMNS	9250 SF	559.04
PIER CAP	2650 SF	559.04

AT THE COMPLETION OF REPAIR WORK APPLY A PROTECTIVE SEALER TO ALL EXPOSED CONCRETE SURFACES.

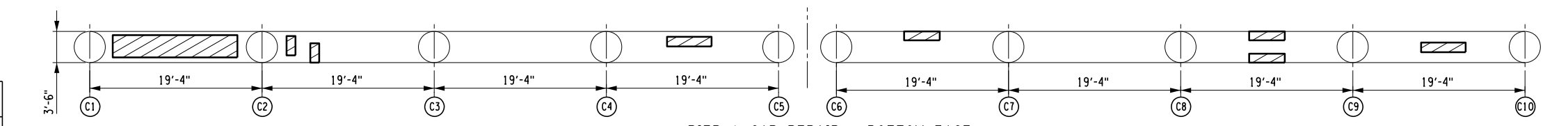
CONCRETE REPAIR QUANTITIES		
REPAIR TYPE	QUANTITY	ITEM NO.
TYPE 1	3 CY	582.0051
TYPE 2	11 CY	582.0051
PEDESTALS	5 CY	SEE NOTE 5

- LEGEND**
- APPROXIMATE AREA OF TYPE 1 REPAIRS (ITEM 582.0051)
 - FULL COLUMN TYPE 2 REPAIR (ITEM 582.0051)
 - PEDESTAL REPLACEMENT (SEE NOTE 5)

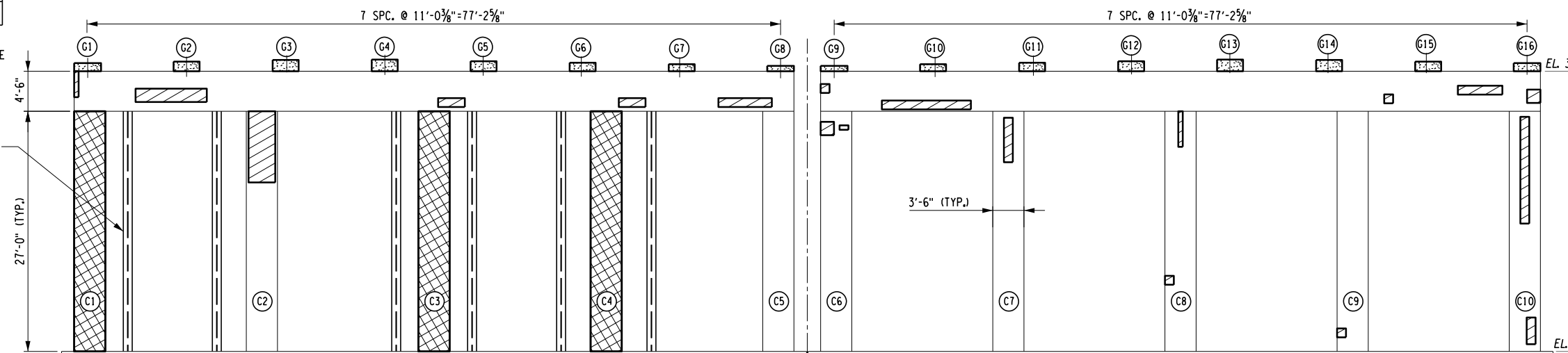
- NOTES:**
- REPAIR AREAS SHOWN ARE FROM A MAY 2024 SUBSTRUCTURE INSPECTION AND ARE CONSIDERED APPROXIMATE. ALL REPAIR LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND APPROVED BY THE AUTHORITY ENGINEER, PRIOR TO COMMENCEMENT OF REMOVALS. AREAS DETERMINED TO BE UNSOUND SHALL BE CLEARLY MARKED. REPAIR LOCATION DETERMINATIONS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 582.0051.
 - AREAS INDICATED FOR REPAIR INCLUDE CRACKS, DELAMINATED AREAS, AND SPALLS. PERFORM COLUMN AND PIER CAP REPAIRS WHILE BRIDGE IS WITHOUT A DECK TO MINIMIZE DEAD LOAD.
 - THE ELEVATIONS SHOWN ARE REFERENCED TO THIS PROJECT DATUM (NAVD 88). THE ORIGINAL 1953 RECORD PLANS ARE ASSUMED TO REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). THE CONVERSION BETWEEN THIS PROJECT DATUM (NAVD 88) AND THE ORIGINAL DATUM (NGVD 29) IS AS FOLLOWS:
NAVD 88 ELEVATION: NGVD 29 ELEVATION - 0.515 FT.
 - FOR CONCRETE REPAIR DETAILS, SEE DWG. NOS. ST-14 THRU ST-17.
 - PEDESTAL REMOVAL SHALL BE PAID FOR UNDER ITEM 580.01. NEW PEDESTALS SHALL BE PAID UNDER ITEM 555.0021.



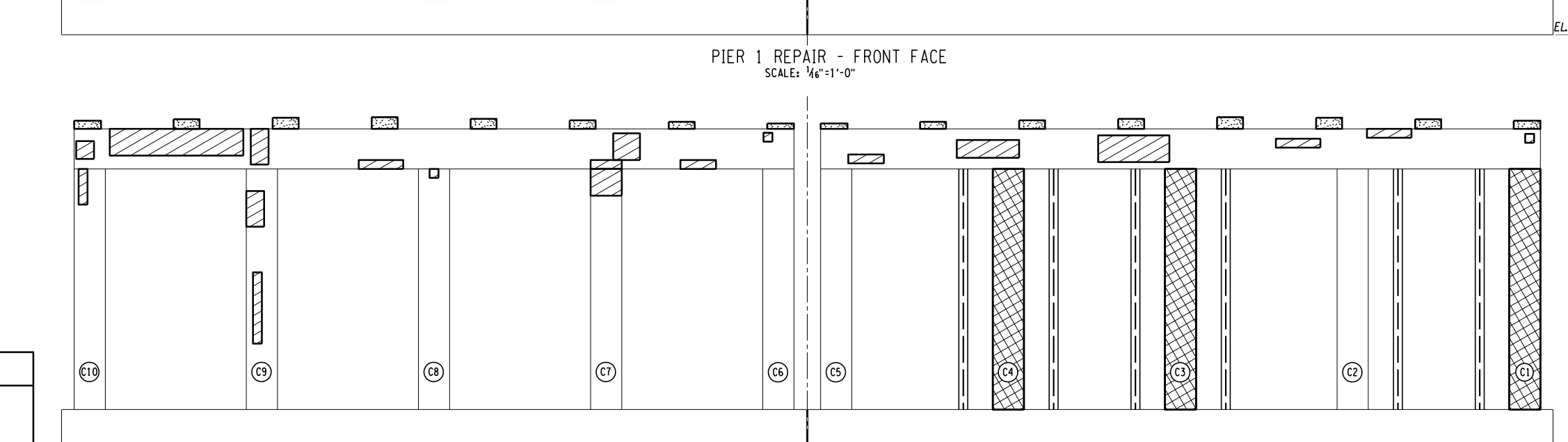
PIER 1 CAP REPAIR - TOP FACE
SCALE: 1/8"=1'-0"



PIER 1 CAP REPAIR - BOTTOM FACE
SCALE: 1/8"=1'-0"



PIER 1 REPAIR - FRONT FACE
SCALE: 1/8"=1'-0"



PIER 1 REPAIR - REAR FACE
SCALE: 1/8"=1'-0"

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP:
---	---

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
PARSONS	TITLE OF DRAWING PIER 1 PLAN AND ELEVATION	DRAWING NUMBER: ST-11

TABLE OF EXISTING PEDESTAL ELEVATIONS

PEDESTAL NO.	PIER 2
G1	320.76
G2	320.90
G3	321.04
G4	321.10
G5	321.00
G6	320.91
G7	320.81
G8	320.73
G9	320.74
G10	320.87
G11	321.02
G12	321.16
G13	321.31
G14	321.30
G15	321.21
G16	321.11

CONCRETE REPAIR QUANTITIES




REPAIR TYPE	QUANTITY	ITEM NO.
TYPE 1	5 CY	582.0051
TYPE 2	11 CY	582.0051
PEDESTALS	5 CY	SEE NOTE 2

PROTECTIVE SEALING

LOCATION	QUANTITY	ITEM NO.
COLUMNS	9250 SF	559.04
PIER CAP	2650 SF	559.04

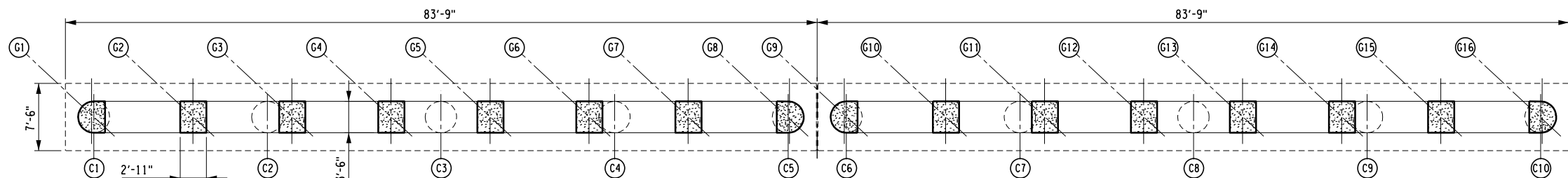
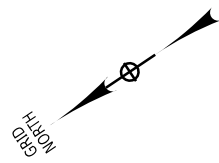
AT THE COMPLETION OF REPAIR WORK APPLY A PROTECTIVE SEALER TO ALL EXPOSED CONCRETE SURFACES.

LEGEND

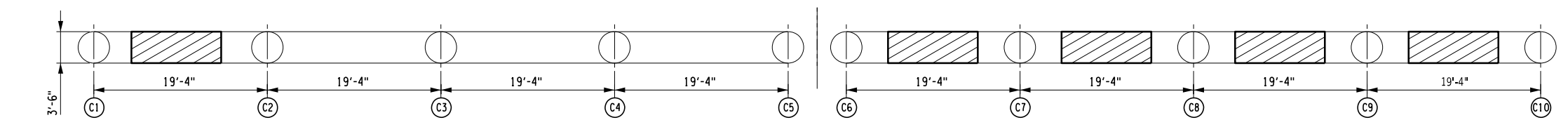
-  APPROXIMATE AREA OF TYPE 1 REPAIRS (ITEM 582.0051)
-  FULL COLUMN TYPE 2 REPAIR (ITEM 582.0051)
-  PEDESTAL REPLACEMENT (SEE NOTE 2)

NOTES:

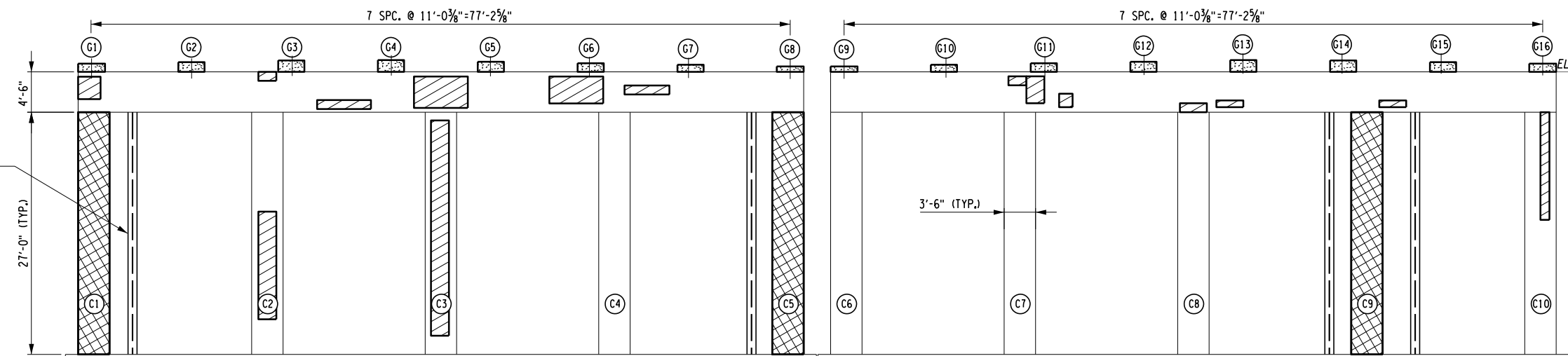
1. FOR ADDITIONAL NOTES SEE ST-11.
2. PEDESTAL REMOVAL SHALL BE PAID FOR UNDER ITEM 580.01. NEW PEDESTALS SHALL BE PAID FOR UNDER ITEM 555.0021.



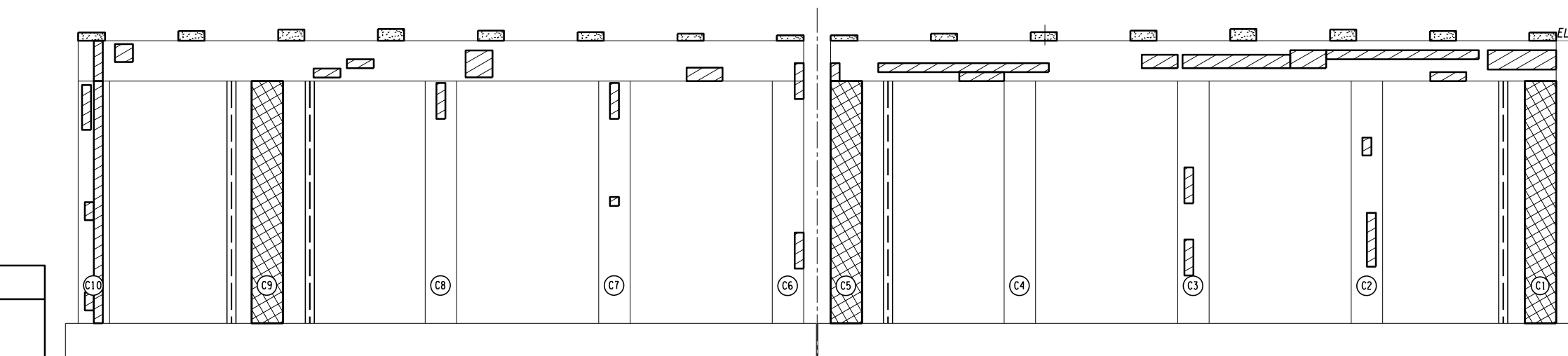
PIER 2 CAP REPAIR - TOP FACE
SCALE: 1/8"=1'-0"



PIER 2 CAP REPAIR - BOTTOM FACE
SCALE: 1/8"=1'-0"



PIER 2 REPAIR - FRONT FACE
SCALE: 1/8"=1'-0"




PIER 2 REPAIR - REAR FACE
SCALE: 1/8"=1'-0"

TEMPORARY STEEL SHORING TOWER, ITEM 585.01 (TYP.)

DESIGNED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
PWZ
DESIGN SUPERVISOR: D. LEVINE

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: DANIEL A. LEVINE STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PIER 2 PLAN AND ELEVATION	DRAWING NUMBER: ST-12

TABLE OF EXISTING PEDESTAL ELEVATIONS

PEDESTAL NO.	PIER 3
G1	321.51
G2	320.65
G3	320.80
G4	320.85
G5	320.76
G6	320.66
G7	320.57
G8	320.48
G9	320.49
G10	320.63
G11	320.77
G12	320.92
G13	321.06
G14	321.06
G15	320.96
G16	320.86

CONCRETE REPAIR QUANTITIES




REPAIR TYPE	QUANTITY	ITEM NO.
TYPE 1	7 CY	582.0051
TYPE 2	11 CY	582.0051
PEDESTALS	5 CY	SEE NOTE 2

PROTECTIVE SEALING

LOCATION	QUANTITY	ITEM NO.
COLUMNS	9250 SF	559.04
PIER CAP	2650 SF	559.04

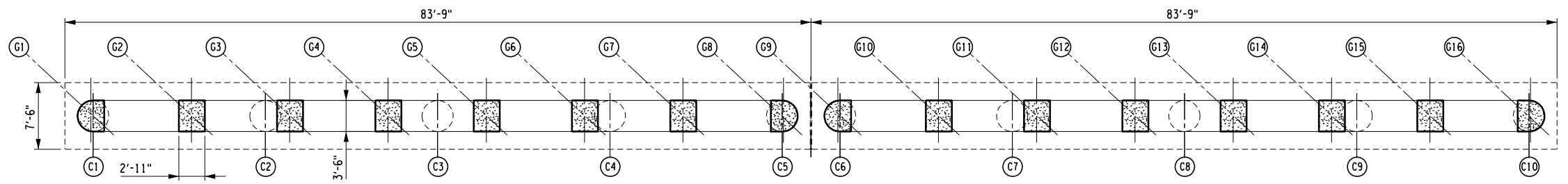
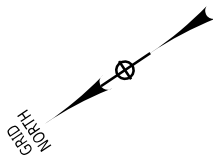
AT THE COMPLETION OF REPAIR WORK APPLY A PROTECTIVE SEALER TO ALL EXPOSED CONCRETE SURFACES.

LEGEND

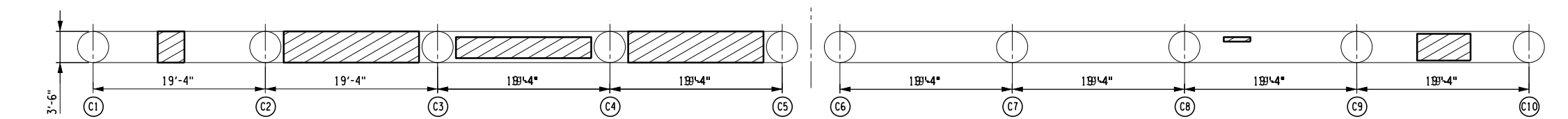
-  APPROXIMATE AREA OF TYPE 1 REPAIRS (ITEM 582.0051)
-  FULL COLUMN TYPE 2 REPAIR (ITEM 582.0051)
-  PEDESTAL REPLACEMENT (SEE NOTE 2)

NOTES:

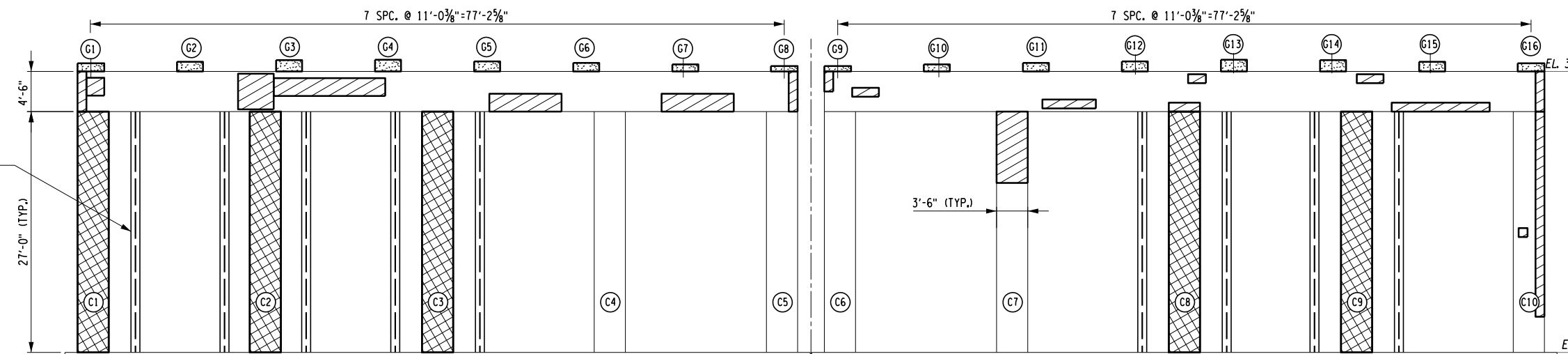
1. FOR ADDITIONAL NOTES SEE ST-11.
2. PEDESTAL REMOVAL SHALL BE PAID FOR UNDER ITEM 580.01. NEW PEDESTALS SHALL BE PAID FOR UNDER ITEM 555.0021



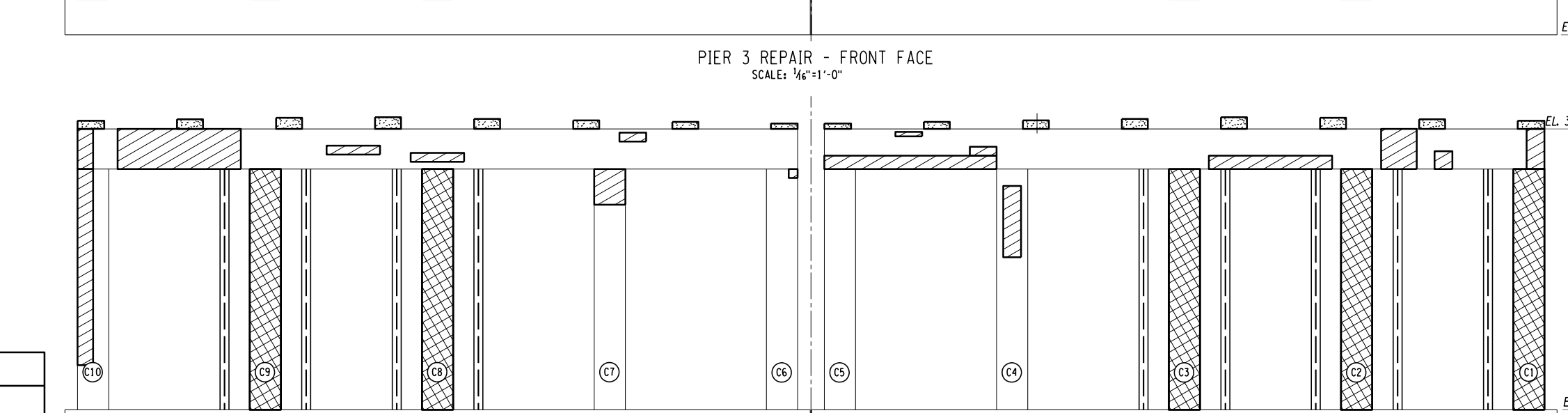
PIER 3 CAP REPAIR - TOP FACE
SCALE: 1/4"=1'-0"



PIER 3 CAP REPAIR - BOTTOM FACE
SCALE: 1/4"=1'-0"




PIER 3 REPAIR - FRONT FACE
SCALE: 1/4"=1'-0"



PIER 3 REPAIR - REAR FACE
SCALE: 1/4"=1'-0"

TEMPORARY STEEL SHORING TOWER, ITEM 585.01 (TYP.)

DESIGNED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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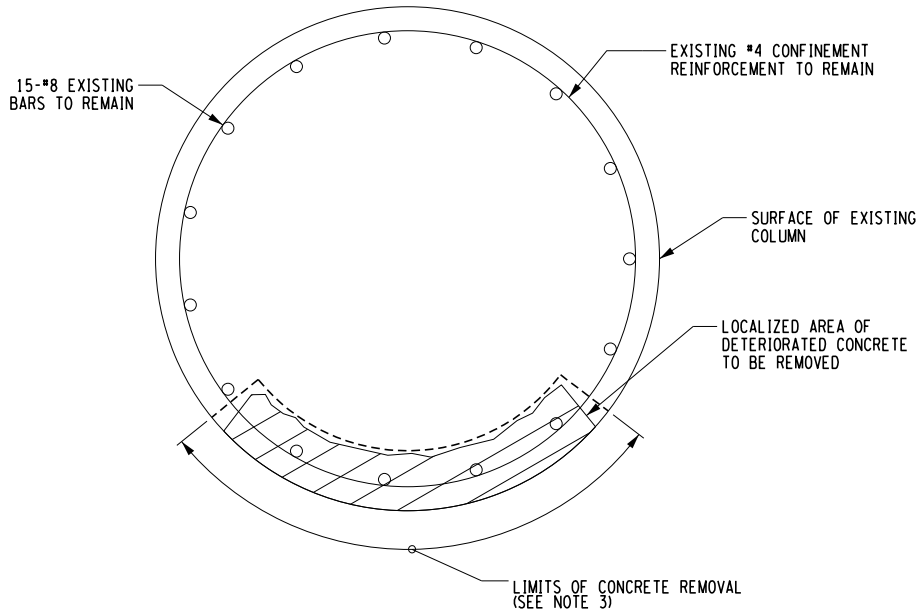
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



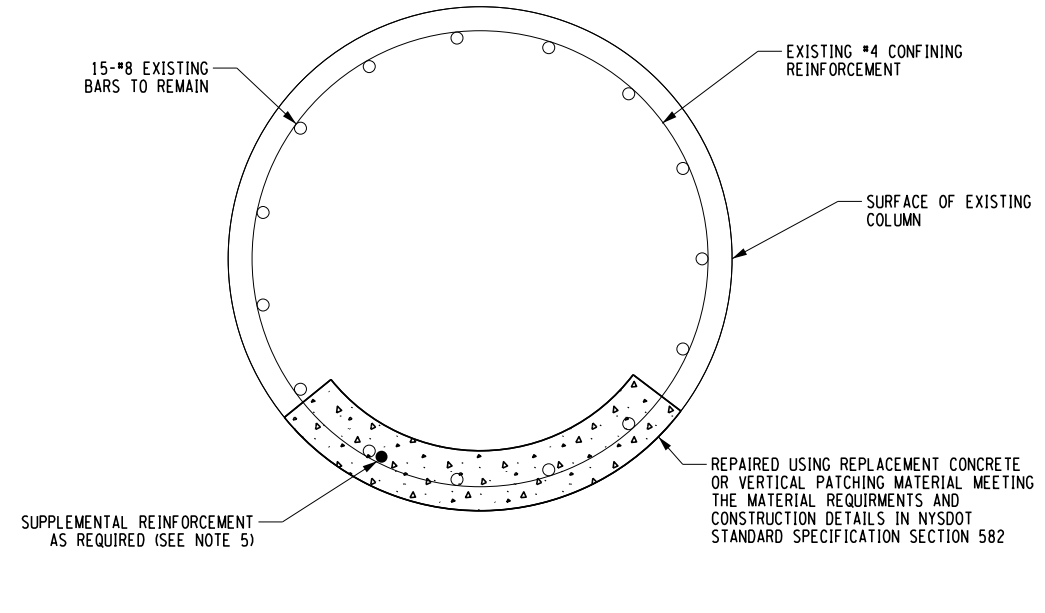
PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PIER 3 PLAN AND ELEVATION	DRAWING NUMBER: ST-13

PWZ/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE



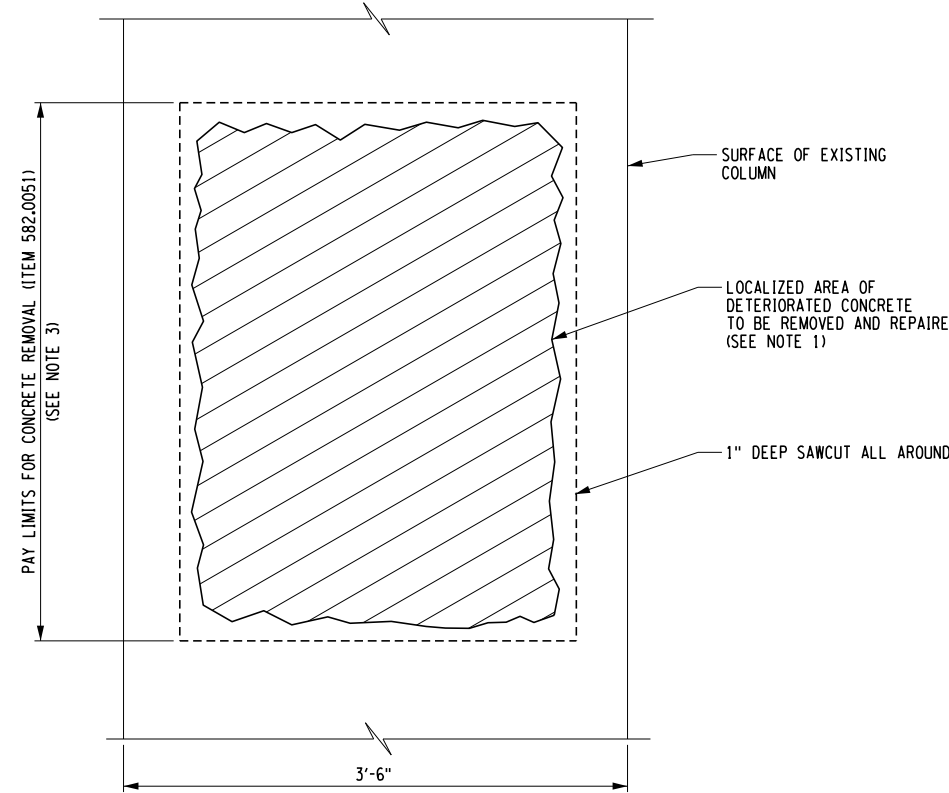
COLUMN CONCRETE REMOVAL PLAN
SCALE: 3/4"=1'-0"



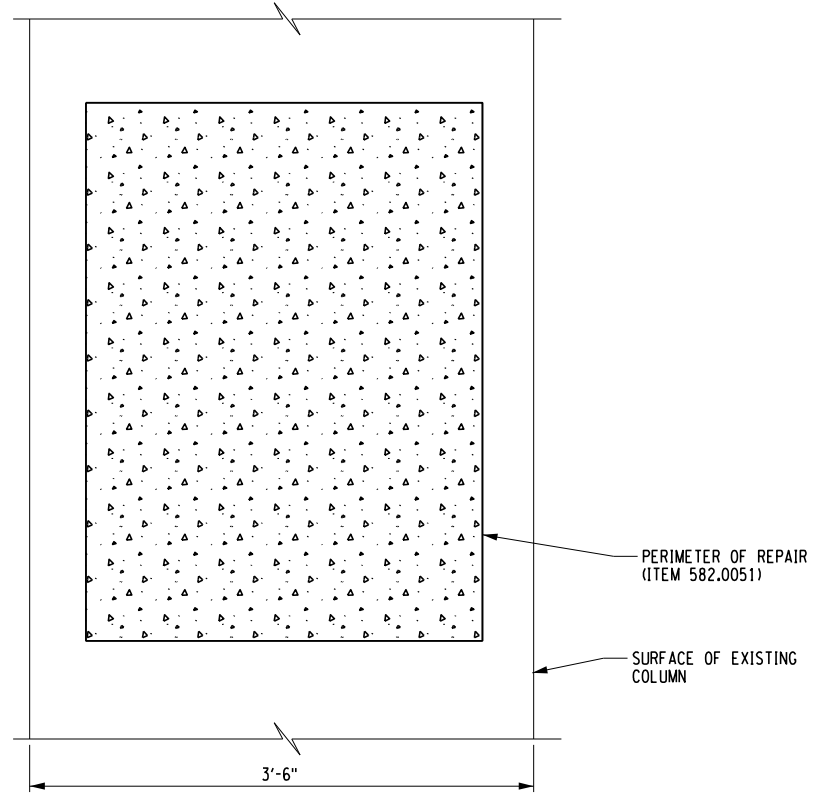
COLUMN REHABILITATION PLAN
SCALE: 3/4"=1'-0"

- LEGEND**
- LIMITS OF CONCRETE REMOVAL
 - [Hatched Box] APPROXIMATE AREA OF DETERIORATED CONCRETE TO BE REMOVED AND REPAIRED (ITEM 582.0051)
 - [Dotted Box] NEW CONCRETE

- NOTES:**
- FOR REPAIR LOCATIONS SEE DWG. NOS. ST-11 THRU ST-13. AREAS INDICATED FOR REPAIR INCLUDE CRACKS, DELAMINATED AREAS, AND SPALLS.
 - LIMITS FOR CONCRETE REMOVAL SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR VIA HAMMER SOUNDING AND THE AREA DELINEATED FOR REVIEW BY THE AUTHORITY'S ENGINEER.
 - REMOVE CONCRETE WITHIN SAWCUT BOUNDARY TO SOUND CONCRETE AND TO A MINIMUM DEPTH OF 1-1/2" BEHIND THE EXISTING LONGITUDINAL COLUMN REINFORCEMENT.
 - EXISTING REINFORCEMENT EXPOSED BEFORE AND DURING THE CONCRETE REMOVAL SHALL BE CLEANED OF ALL LOOSE RUST, OILS AND FOREIGN MATERIAL IN ACCORDANCE WITH SECTION 584-3.02 OF THE NYS DOT STANDARD SPECIFICATIONS.
 - DETERIORATED REINFORCEMENT WITH SECTION LOSS EXCEEDING 25% OF THE BAR'S ORIGINAL DIAMETER SHALL BE SUPPLEMENTED WITH NEW REINFORCEMENT OF THE SAME SIZE AND TYPE AS THE ORIGINAL.
 - IF SUPPLEMENTAL BARS ARE CONNECTED VIA WELDED SPLICE, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
 - A PROTECTIVE SEALER SHALL BE APPLIED TO ALL REPAIRED SURFACES OF SUBSTRUCTURES, ITEM 559.04.



COLUMN CONCRETE REMOVAL ELEVATION
SCALE: 3/4"=1'-0"



COLUMN REHABILITATION ELEVATION
SCALE: 3/4"=1'-0"

**TYPICAL COLUMN REPAIR DETAILS
TYPE 1 REPAIR**

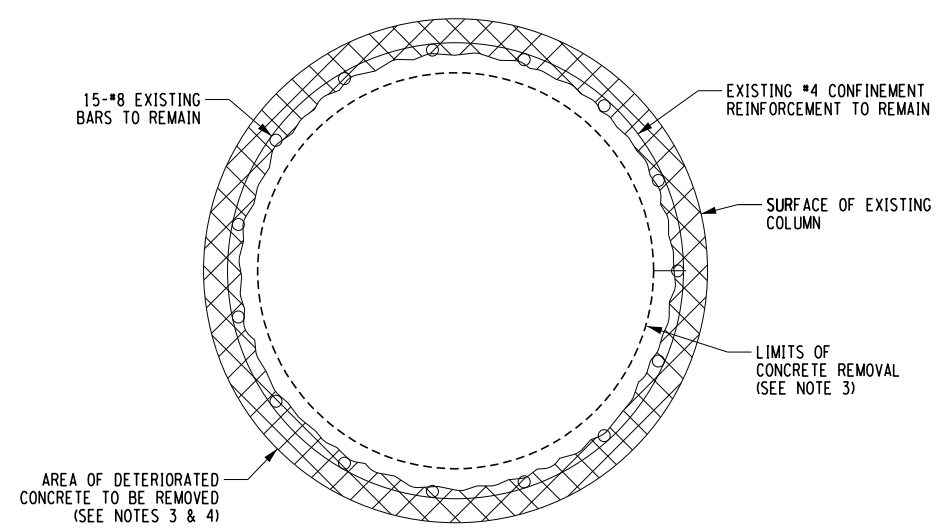
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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.

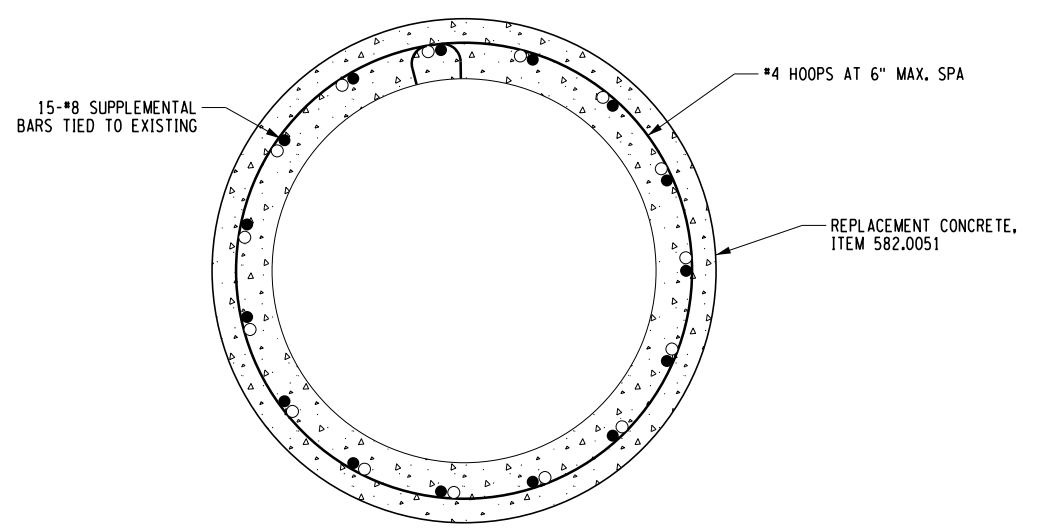
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	TITLE OF DRAWING PIER REPAIR DETAILS (SHEET 1 OF 4)	DATE: 12/11/2024

PWZ/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN



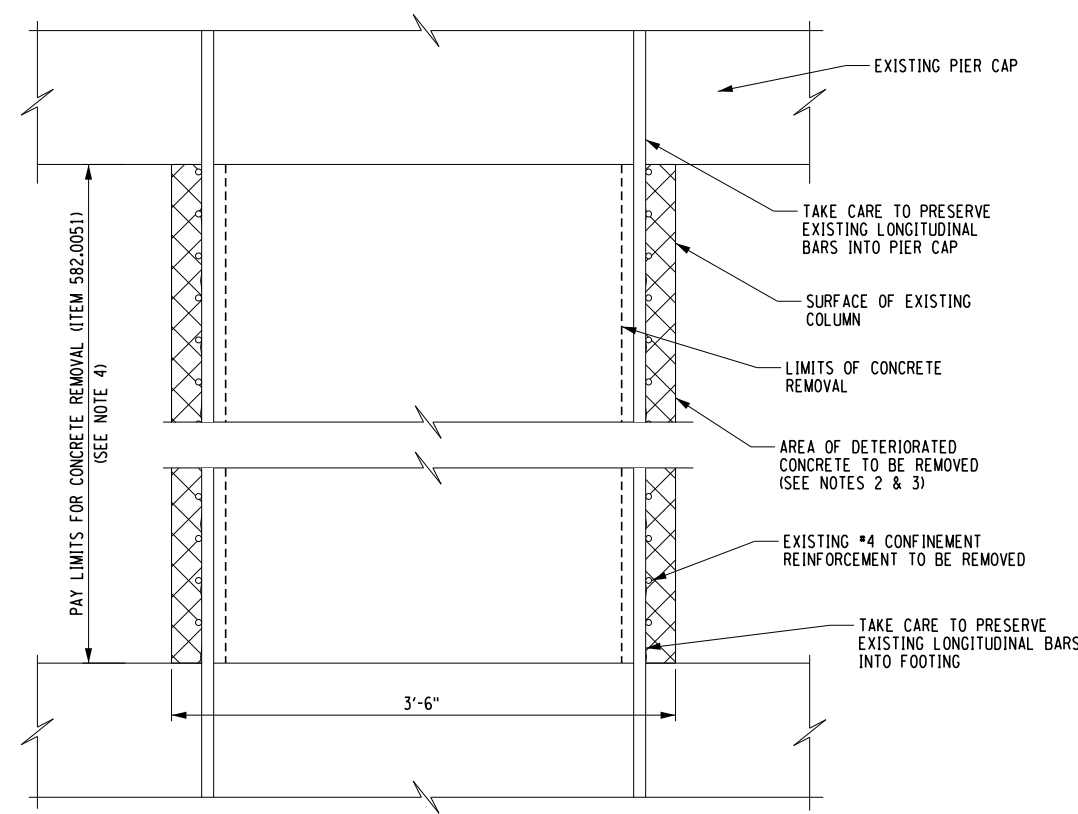
COLUMN CONCRETE REMOVAL PLAN
SCALE: 3/4"=1'-0"



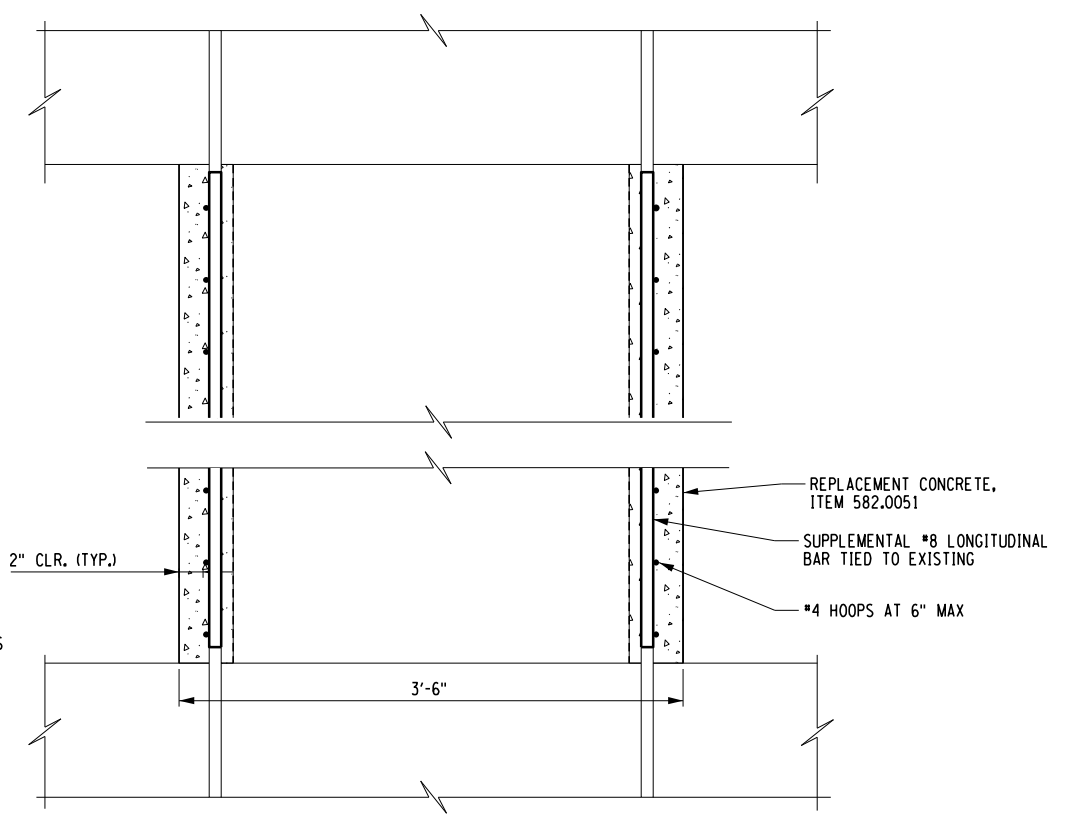
COLUMN REHABILITATION PLAN
SCALE: 3/4"=1'-0"

- LEGEND**
- LIMITS OF CONCRETE REMOVAL
 - APPROXIMATE AREA OF DETERIORATED CONCRETE TO BE REMOVED AND REPAIRED (ITEM 582.0051)
 - NEW CONCRETE

- NOTES:**
1. FOR REPAIR TYPE 2 LOCATIONS SEE DWG. NOS. ST-11 THRU ST-13.
 2. PROVIDE TEMPORARY SHORING PRIOR TO CONCRETE REMOVAL. SEE DWG. NO. ST-17 FOR TEMPORARY SHORING REQUIREMENTS.
 3. LIMITS FOR CONCRETE REMOVAL SHALL BE FOR THE ENTIRE LENGTH OF THE COLUMN FROM THE UNDERSIDE OF THE EXISTING PIER CAP TO THE TOP OF THE EXISTING FOOTING.
 4. REMOVE CONCRETE EXISTING CONCRETE COVER TO SOUND CONCRETE AND TO A MINIMUM DEPTH OF 1-1/2" BEHIND THE EXISTING LONGITUDINAL COLUMN REINFORCEMENT.
 5. EXISTING REINFORCEMENT EXPOSED BEFORE AND DURING THE CONCRETE REMOVAL SHALL BE CLEANED OF ALL LOOSE RUST, OILS AND FOREIGN MATERIAL IN ACCORDANCE WITH SECTION 584-3.02 OF THE NYS DOT STANDARD SPECIFICATIONS.
 6. A PROTECTIVE SEALER SHALL BE APPLIED TO ALL REPAIRED SURFACES OF SUBSTRUCTURES, ITEM 559.04.



COLUMN CONCRETE REMOVAL ELEVATION
SCALE: 3/4"=1'-0"



COLUMN REHABILITATION ELEVATION
SCALE: 3/4"=1'-0"

**TYPICAL COLUMN REPAIR DETAILS
TYPE 2 REPAIR**

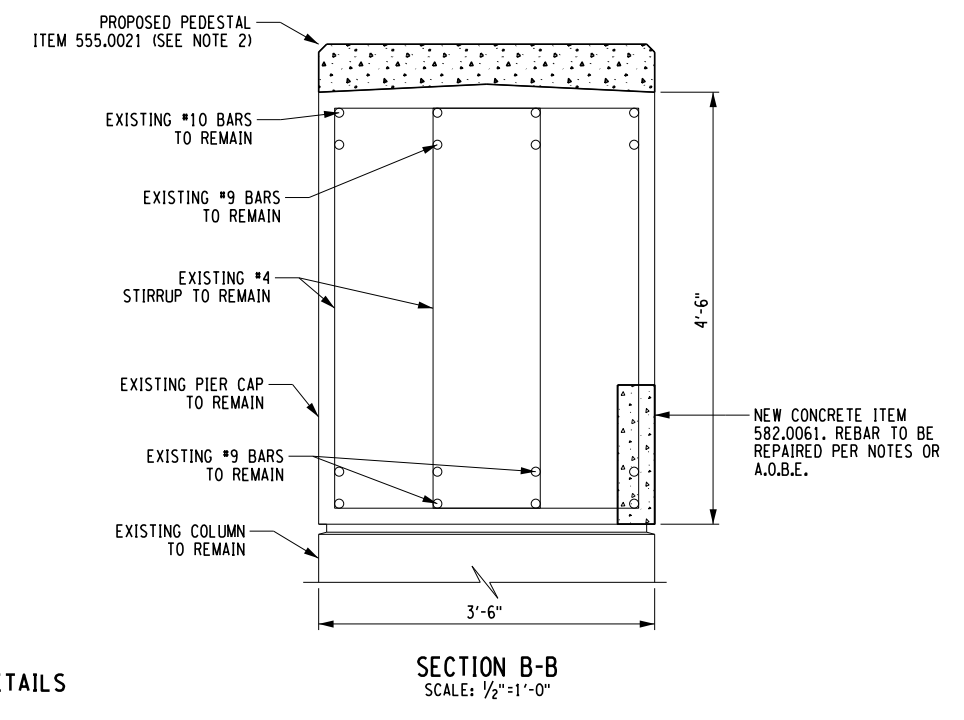
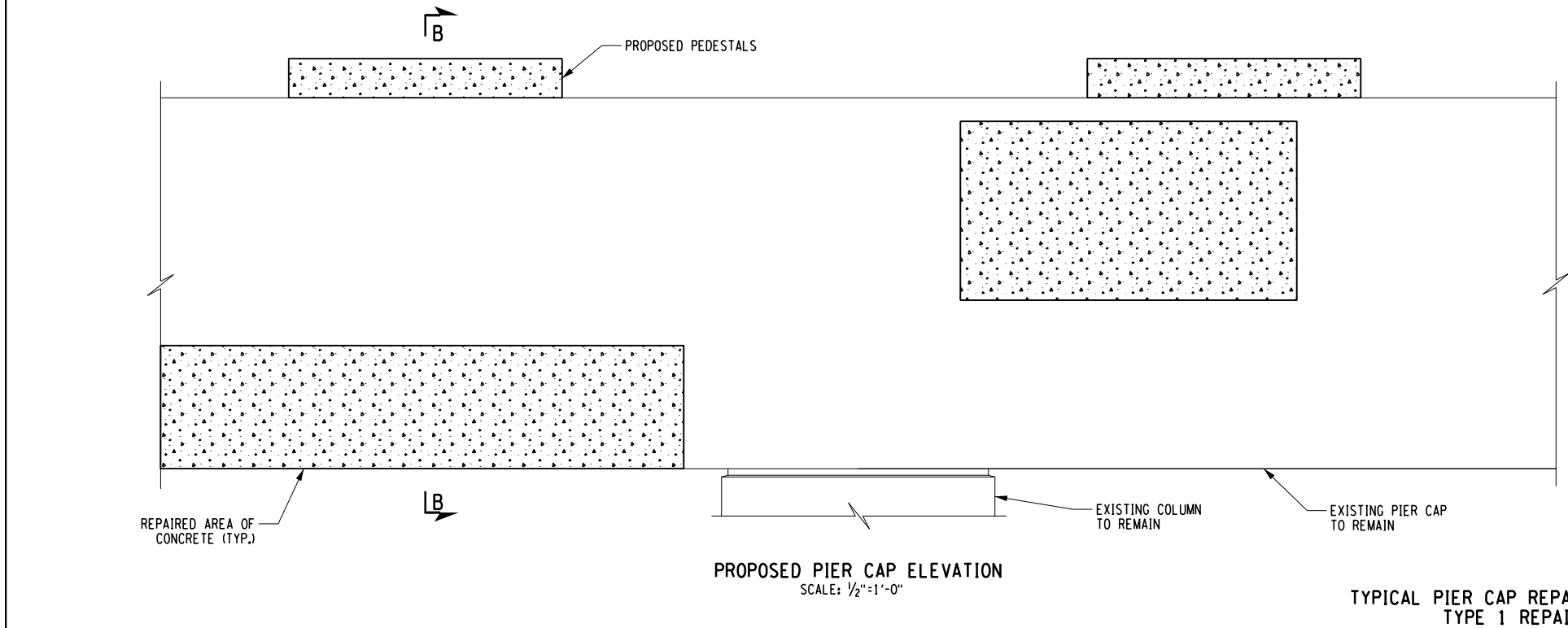
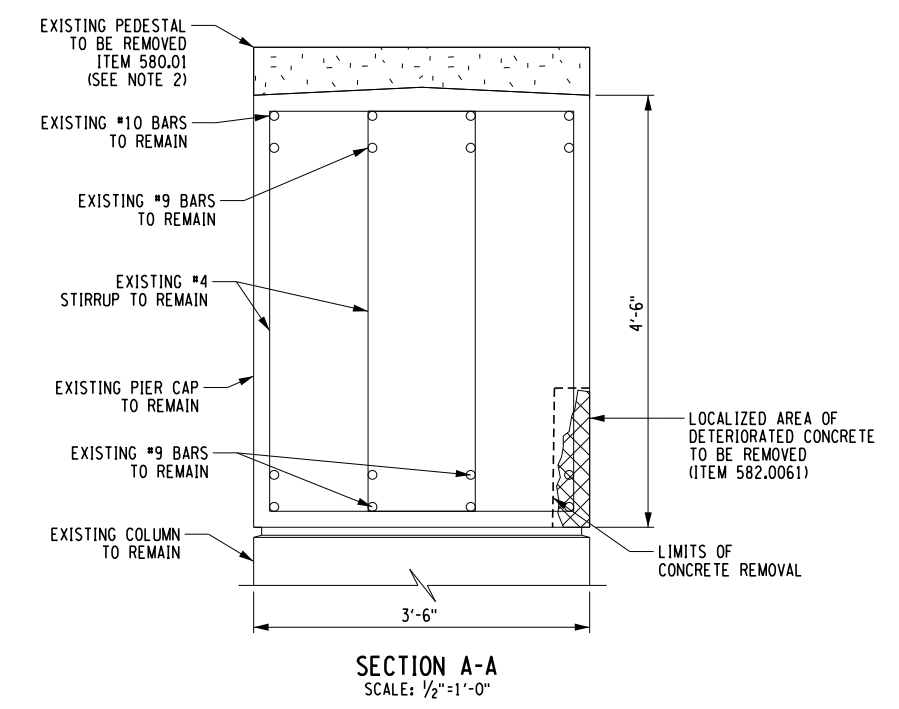
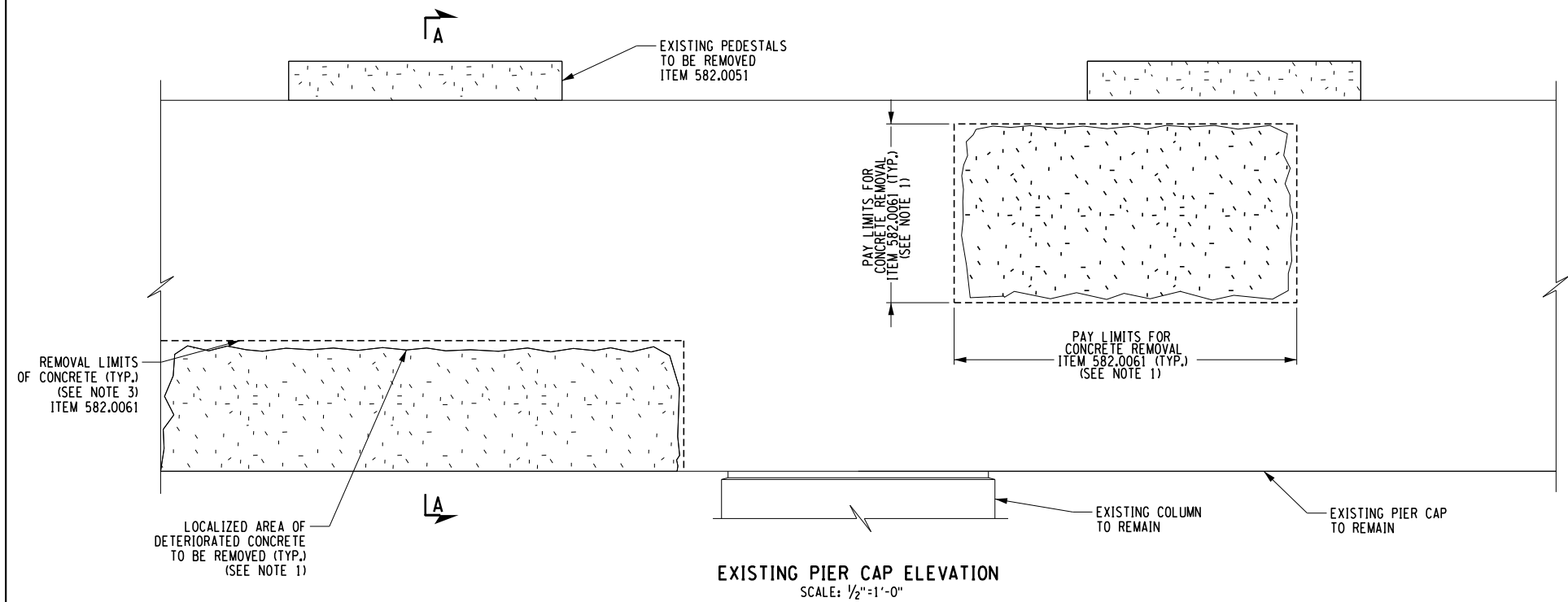
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S LOCATION OF PROJECT ALBANY DIVISION MP 178.38	CONTRACT NUMBER: TAA 25-06B DATE: 12/11/2024 DRAWING NUMBER: ST-15
TITLE OF DRAWING PIER REPAIR DETAILS (SHEET 2 OF 4)		

PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN DESIGNED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGN SUPERVISOR: D. LEVINE



**TYPICAL PIER CAP REPAIR DETAILS
TYPE 1 REPAIR**

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____

LEGEND

	EXISTING PEDESTALS TO BE REMOVED (ITEM 580.01) AND RECONSTRUCTED (ITEM 555.0201)
	APPROXIMATE AREA OF DETERIORATED CONCRETE TO BE REMOVED AND REPAIRED (ITEM 582.0061)
	NEW CONCRETE

- NOTES:**
- FOR REPAIR LOCATIONS SEE DWG. NOS. ST-11 THRU ST-13. AREAS INDICATED FOR REPAIR INCLUDE CRACKS, DELAMINATED AREAS, AND SPALLS.
 - FOR PEDESTAL DETAILS AND NOTES, SEE DWG. NOS. ST-18 AND ST-21.
 - FOR ADDITIONAL NOTES, SEE DWG. NO. ST-14.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S

LOCATION OF PROJECT: ALBANY DIVISION MP 178.38

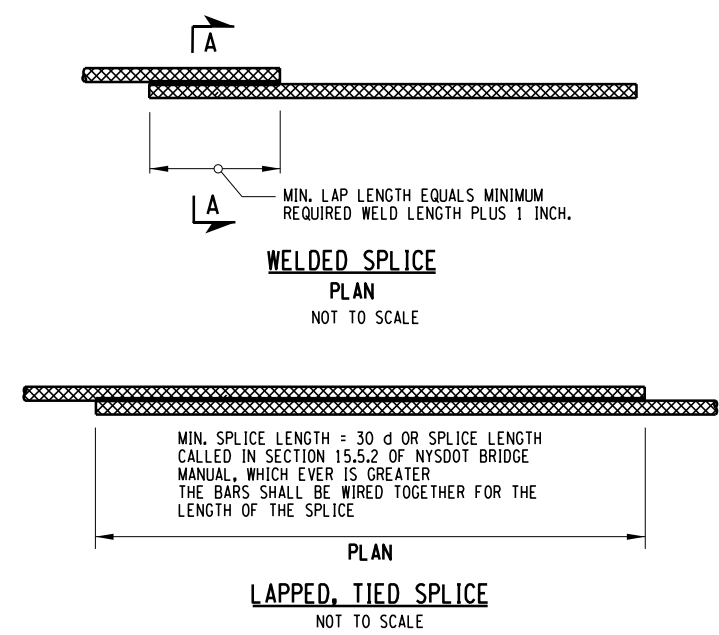
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CONTRACT NUMBER: TAA 25-06B

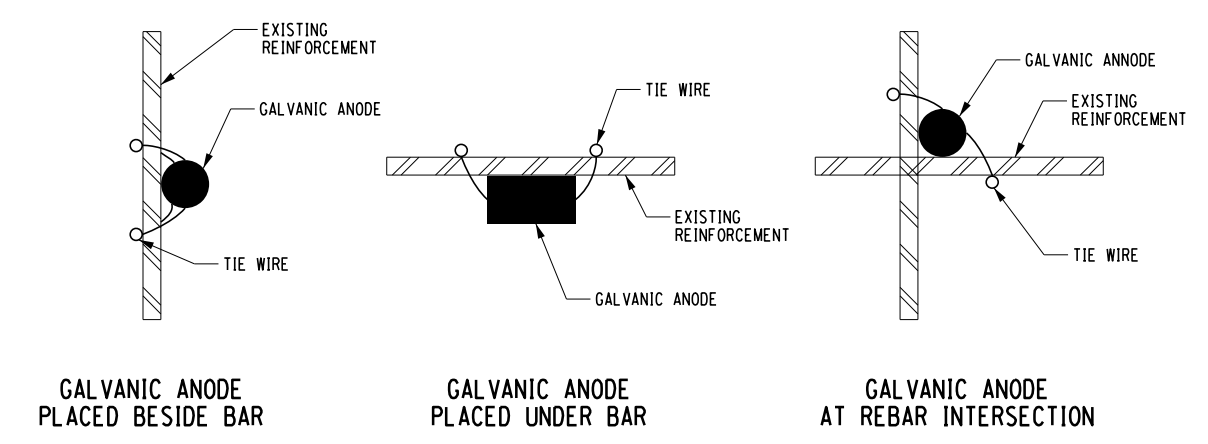
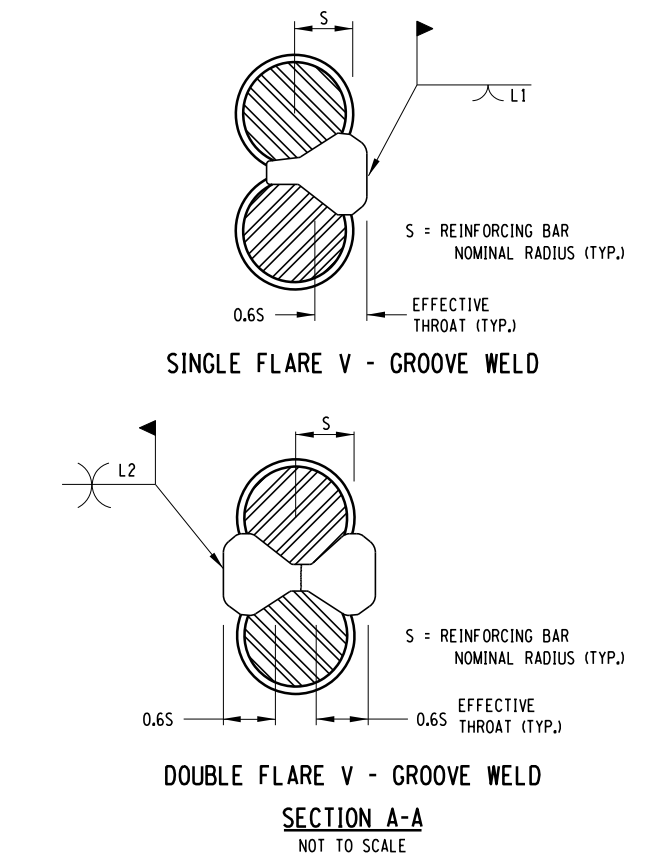
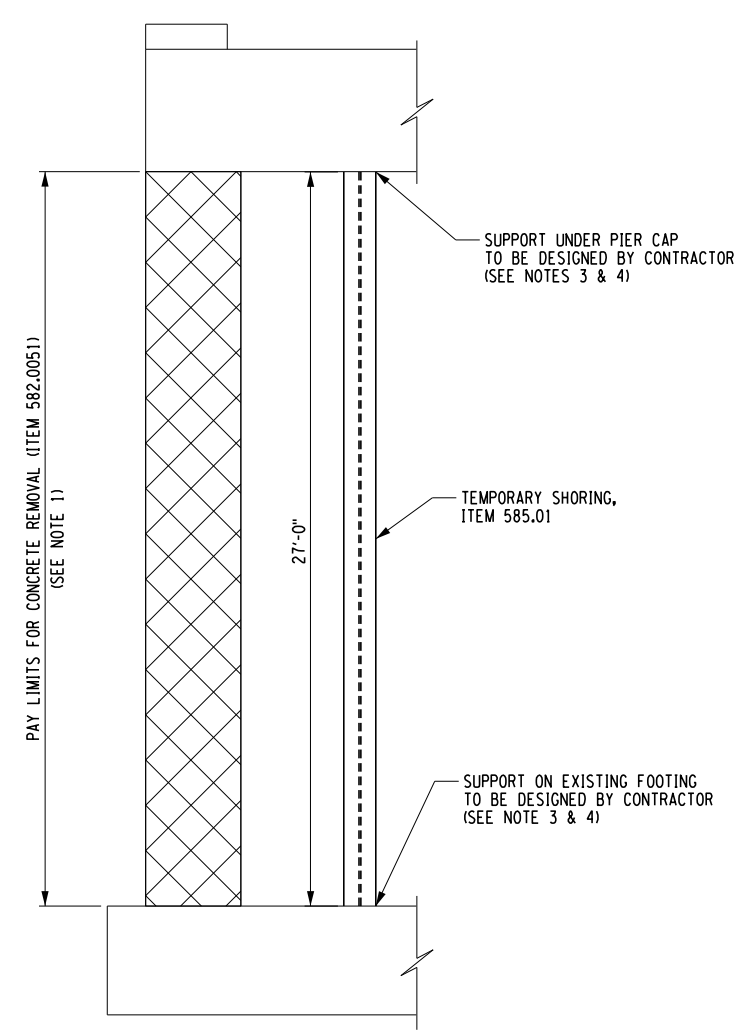
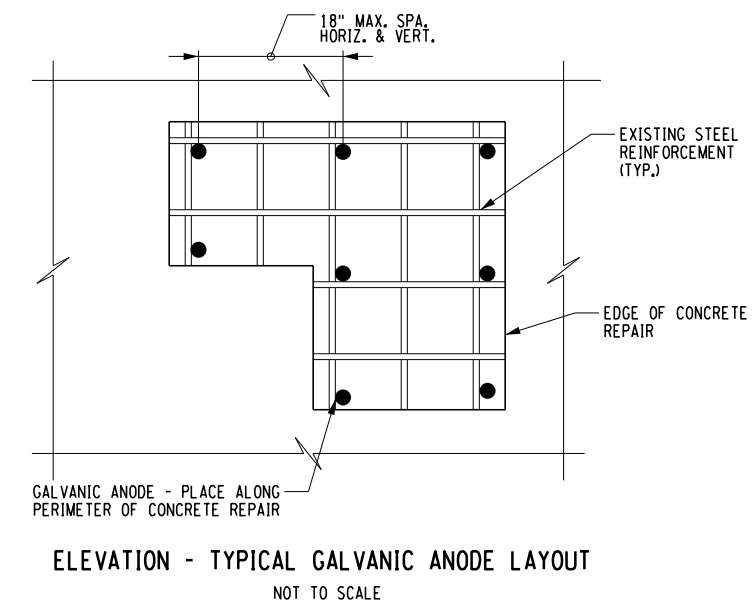
DATE: 12/11/2024

DRAWING NUMBER: ST-16

PWZ /
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



MINIMUM WELD LENGTHS		
BAR SIZE	SINGLE FLARE L1 V-GROOVE WELD	DOUBLE 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"



GALVANIC ANODE NOTES:

- TYPE 1 CONCRETE REPAIRS GREATER THAN 1 SQ. FT. SHALL UTILIZE PASSIVE GALVANIC PROTECTION ANODES PAID FOR UNDER ITEM 582.99000016 - EMBEDMENT OF GALVANIC ANODES IN CONCRETE.
- IN ORDER TO MAINTAIN PROPER CONTINUITY FOR THE GALVANIC ANODES AS PER MANUFACTURER'S RECOMMENDATIONS, THE CONTRACTOR SHALL ENSURE EACH ANODE IS SECURED SO AS TO MAINTAIN FULL CONTACT BETWEEN THE ANODE AND STEEL REINFORCEMENT DURING CONCRETE / REPAIR MATERIAL PLACEMENT. ANODE IS TO BE ATTACHED TO CLEAN REINFORCING STEEL, FREE FROM CORROSION, OIL, DIRT, OR OTHER DEBRIS.
- PROVIDE SUFFICIENT CLEARANCE BETWEEN THE ANODES AND SUBSTRATE TO ALLOW FOR REPAIR MATERIAL TO COMPLETELY ENCASE THE ANODE.
- IF THE ANODE IS TO BE TIED TO A SINGLE BAR, OR IF LESS THAN 1 INCH OF CONCRETE COVER IS EXPECTED, PLACE THE ANODE BENEATH THE BAR, AND SECURE TO CLEAN REINFORCING STEEL.
- GALVANIC ANODES NEED NOT BE PLACED IN TYPE 2 (FULL COLUMN) REPAIRS OR PEDESTAL REPLACEMENTS.
- CONFIRM ELECTRICAL CONNECTION BETWEEN ANODE, TIE WIRE, AND REINFORCING STEEL USING A MULTIMETER.
- CONFIRM ELECTRICAL CONTINUITY OF THE EXPOSED REINFORCING STEEL WITHIN THE REPAIR AREA. IF NECESSARY, ELECTRICAL CONTINUITY SHALL BE ESTABLISHED WITH STEEL TIE WIRES TO BRING EXISTING REINFORCEMENT INTO CONTACT.

LEGEND

APPROXIMATE AREA OF DETERIORATED CONCRETE TO BE REMOVED AND REPAIRED (ITEM 582.0051)

TEMPORARY SHORING NOTES:

- STRUCTURAL LIFTING IS REQUIRED FOR THE REMOVAL AND REPLACEMENT OF CONCRETE AS PART OF TYPE 2 REPAIR WORK.
- CONTRACTOR'S ENGINEER SHALL DETERMINE THE JACKING LOADS TO BE APPLIED TO TEMPORARILY SUPPORT THE PIER CAP AND GIRDERS TO ALLOW FOR TYPE 2 - FULL COLUMN CONCRETE REPAIR.
- THE CONTRACTOR SHALL EMPLOY SUITABLE EQUIPMENT AND METHODS SO AS TO NOT DAMAGE OR OVERSTRESS STRUCTURAL MEMBERS. ALL MEMBERS SHALL BE SAFELY BRACED AT ALL TIMES AND SUPPORTED ON SHIM PLATES IMMEDIATE AFTER THEIR LIFTING. NO WELDING TO EXISTING STEEL SHALL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL PREPARE DETAILED PLANS AND CALCULATIONS FOR THE STRUCTURAL LIFTING OPERATIONS, AS REQUIRED BY SECTION 585-3.03 OF THE STANDARD SPECIFICATIONS. THE PLANS AND CALCULATIONS SHALL BE STAMPED BY A N.Y.S. LICENSED PROFESSIONAL ENGINEER. THE PLAN SHALL INCLUDE A DETAILED LIFTING PROCEDURE AND SHALL BE SUBMITTED TO THE AUTHORITY FOR REVIEW AND APPROVAL.
- ALL WORK ASSOCIATED WITH STRUCTURAL LIFTING FOR TYPE 2 REPAIRS SHALL BE PAID FOR UNDER PART OF 585.01. REGARDLESS OF THE NUMBER OF TIMES EACH POINT IS JACKED OR LOWERED, PAYMENT WILL ONLY BE MADE ONCE FOR EACH LIFTING LOCATION.

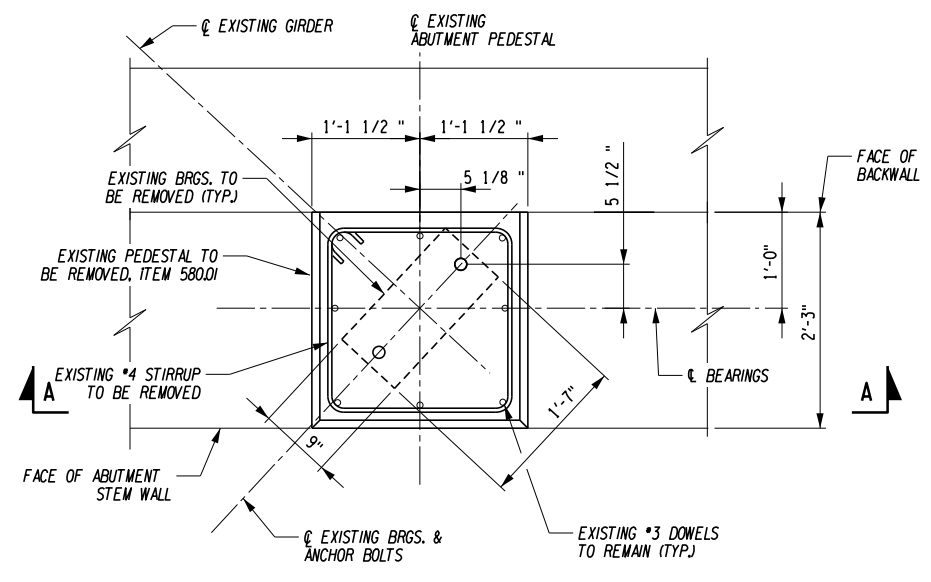
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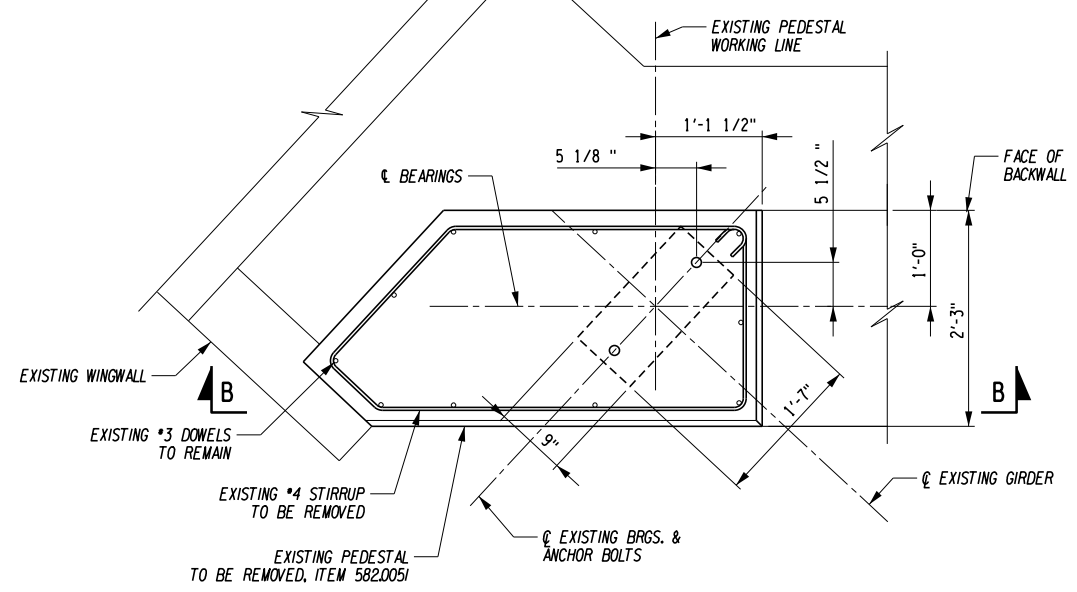
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DATE	DESCRIPTION	BY	SYM.

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	LOCATION OF PROJECT: ALBANY DIVISION MP 178.38	DATE: 12/11/2024
	TITLE OF DRAWING: PIER REPAIR DETAILS (SHEET 4 OF 4)	DRAWING NUMBER: ST-17

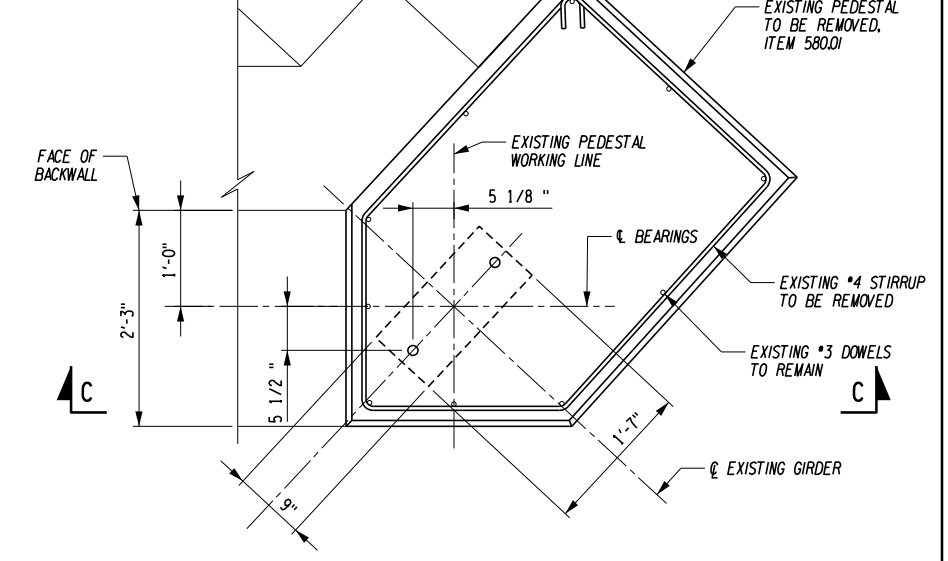
PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE



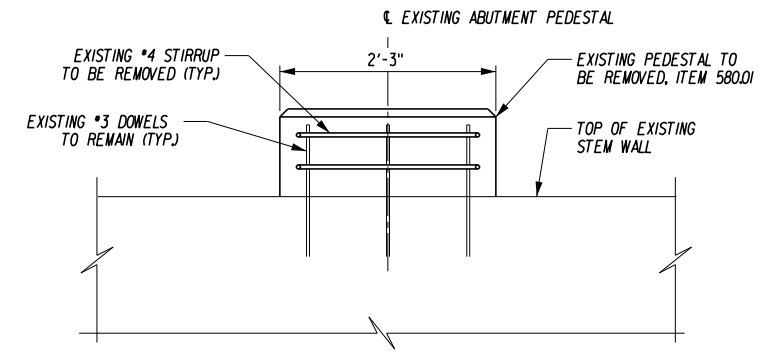
DETAIL 1:
TYPICAL PEDESTAL REMOVAL PLAN
SCALE: 1/2" = 1'-0"



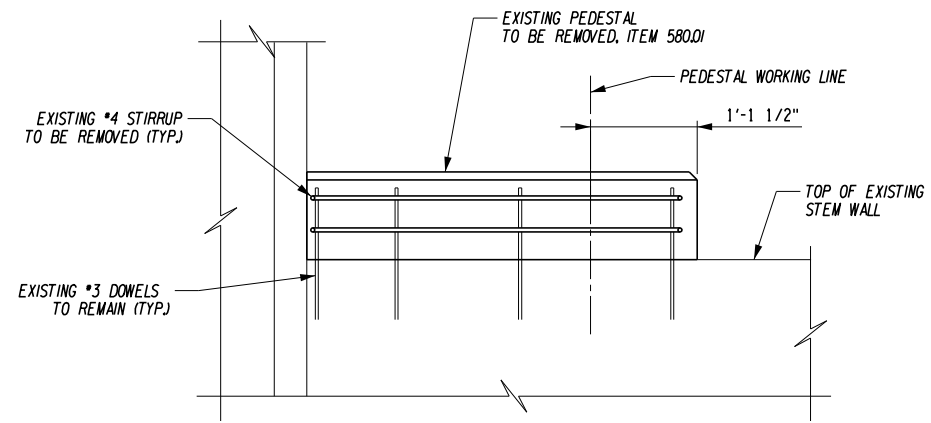
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END PEDESTAL REMOVAL PLAN
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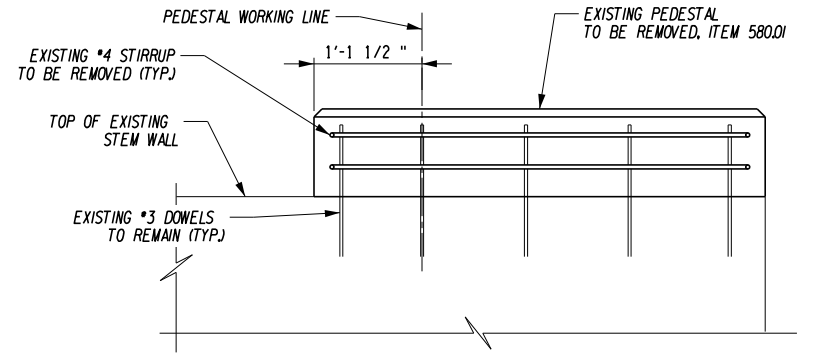
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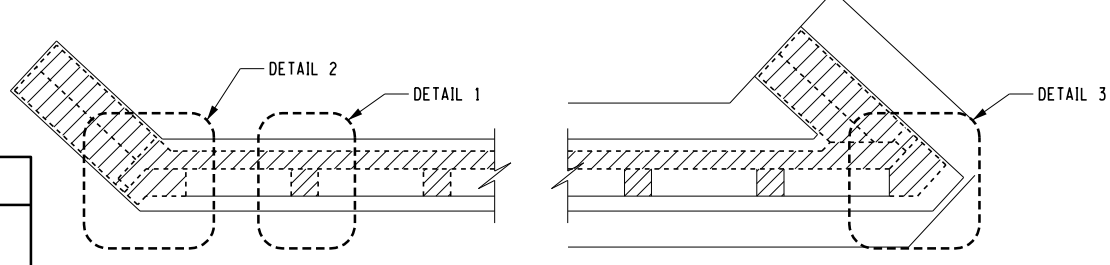
SECTION A
SCALE: 1/2" = 1'-0"



SECTION B
SCALE: 1/2" = 1'-0"



SECTION C
SCALE: 1/2" = 1'-0"



ABUTMENT PEDESTAL REMOVAL KEY PLAN

NOTES:

- PEDESTAL REMOVALS SHALL BE COORDINATED WITH ABUTMENT BACKWALL REMOVAL AND WINGWALL REMOVAL.
- EXISTING REINFORCEMENT EXPOSED BEFORE AND DURING THE CONCRETE REMOVAL SHALL BE CLEANED OF ALL LOOSE RUST, OILS AND FOREIGN MATERIAL IN ACCORDANCE WITH SECTION 584-3.02 OF THE NYS DOT STANDARD SPECIFICATIONS.
- REINFORCEMENT TO REMAIN WITH SECTION LOSS EXCEEDING 25% OF THE BAR'S ORIGINAL DIAMETER SHALL BE SUPPLEMENTED WITH NEW REINFORCEMENT OF THE SAME SIZE AND TYPE AS THE ORIGINAL.
- IF SUPPLEMENTAL BARS ARE CONNECTED VIA WELDED SPLICE, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
- EXISTING REINFORCEMENT REMOVAL AND CLEANING TO BE PAID FOR UNDER ITEM 580.01

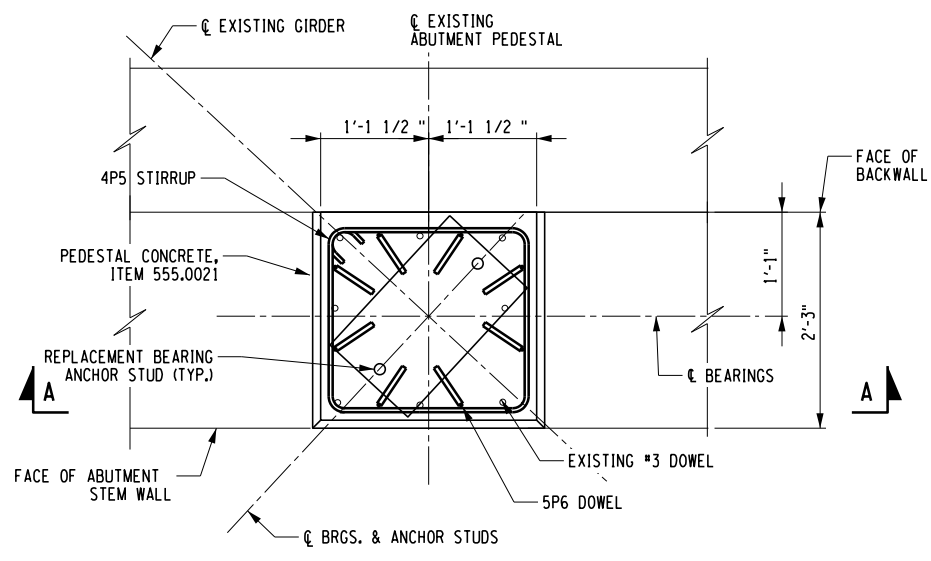
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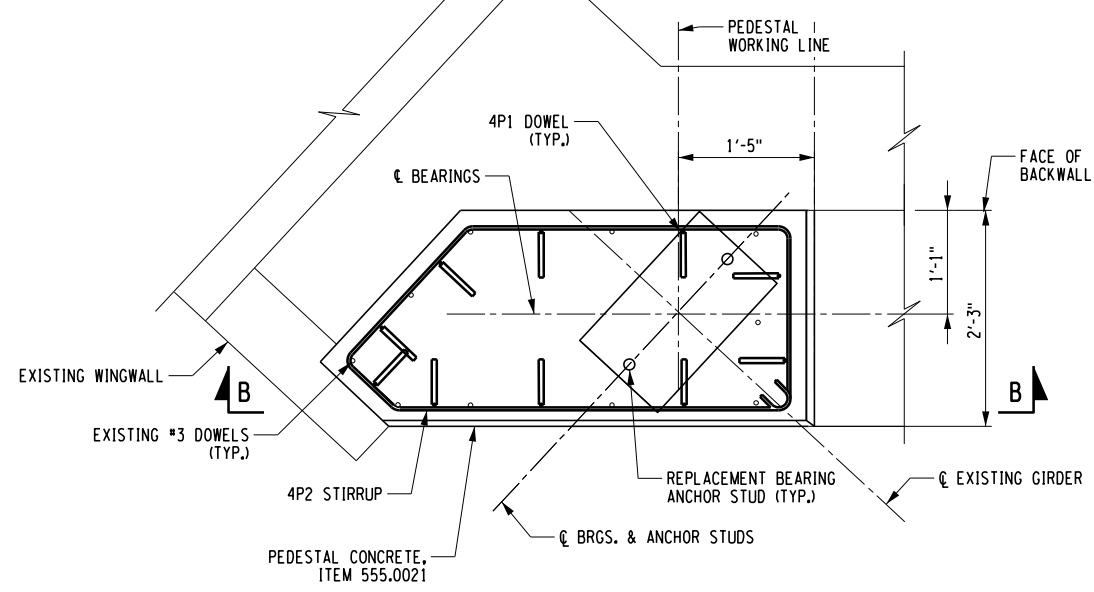
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DATE	DESCRIPTION	BY	SYM.

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	LOCATION OF PROJECT: ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING: PEDESTAL DETAILS (SHEET 1 OF 4)		DRAWING NUMBER: ST-18

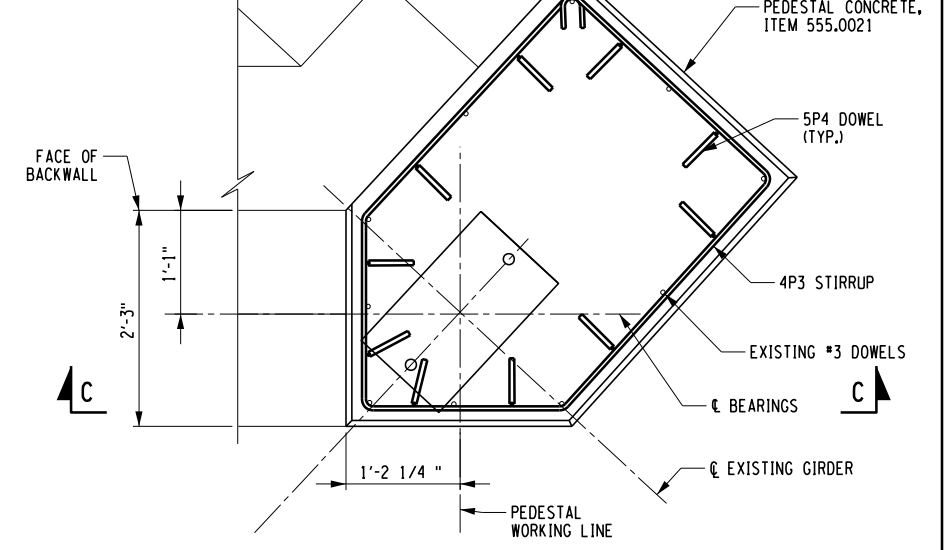
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



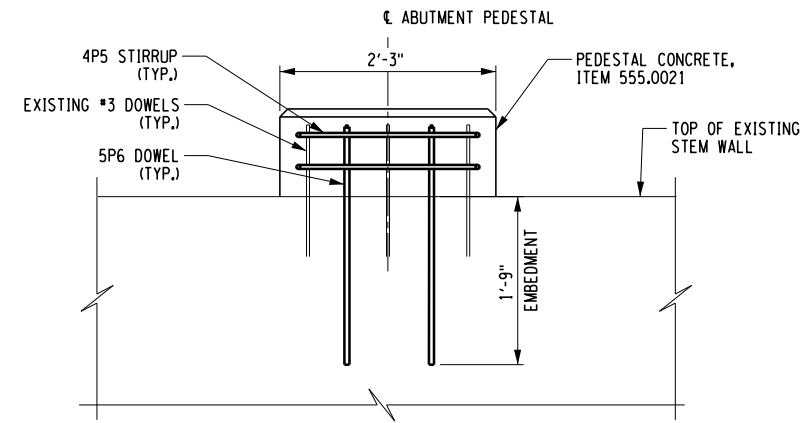
DETAIL 1:
TYPICAL PEDESTAL RECONSTRUCTION PLAN
SCALE: 1/2" = 1'-0"



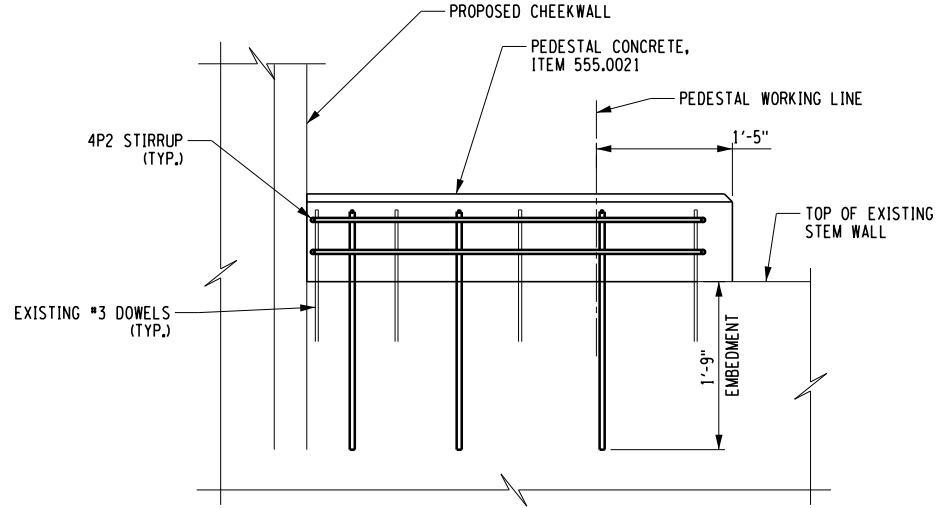
DETAIL 2
END PEDESTAL RECONSTRUCTION PLAN
SCALE: 1/2" = 1'-0"



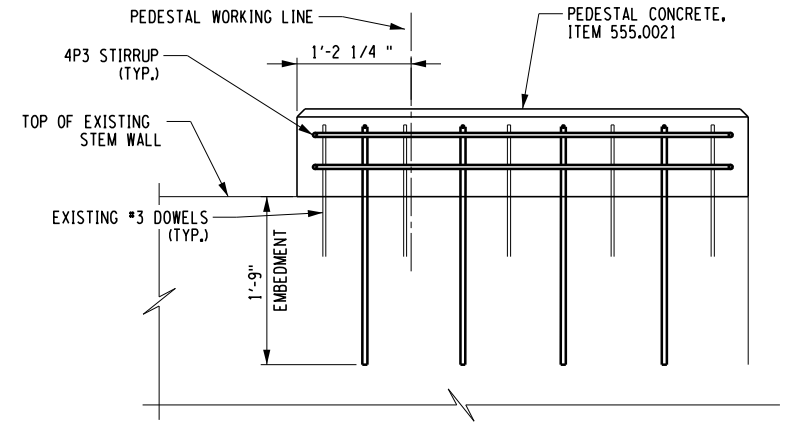
DETAIL 3
END PEDESTAL RECONSTRUCTION PLAN
SCALE: 1/2" = 1'-0"



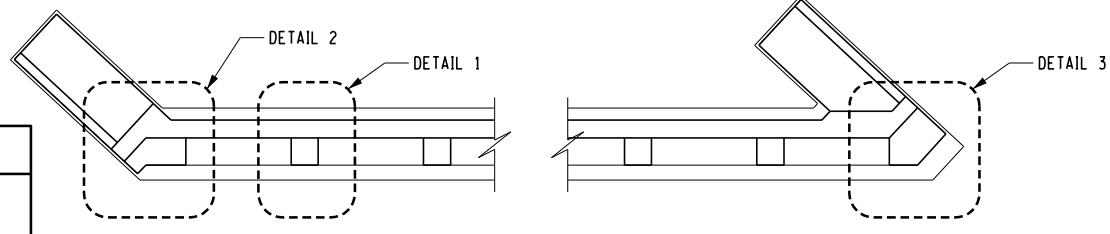
SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"




SECTION C-C
SCALE: 1/2" = 1'-0"




ABUTMENT PEDESTAL RECONSTRUCTION KEY PLAN

- NOTES:**
1. PEDESTAL RECONSTRUCTION SHALL BE COORDINATED WITH ABUTMENT BACKWALL RECONSTRUCTION AND WINGWALL RECONSTRUCTION.
 2. SEE DWG. ST-18 FOR ADDITIONAL NOTES.
 3. SEE DWG. ST-21 FOR HOOP REINFORCEMENT TABLE.
 4. PEDESTAL REINFORCEMENT SHALL BE UNCOATED REINFORCEMENT PAID FOR UNDER ITEM 556.0201.

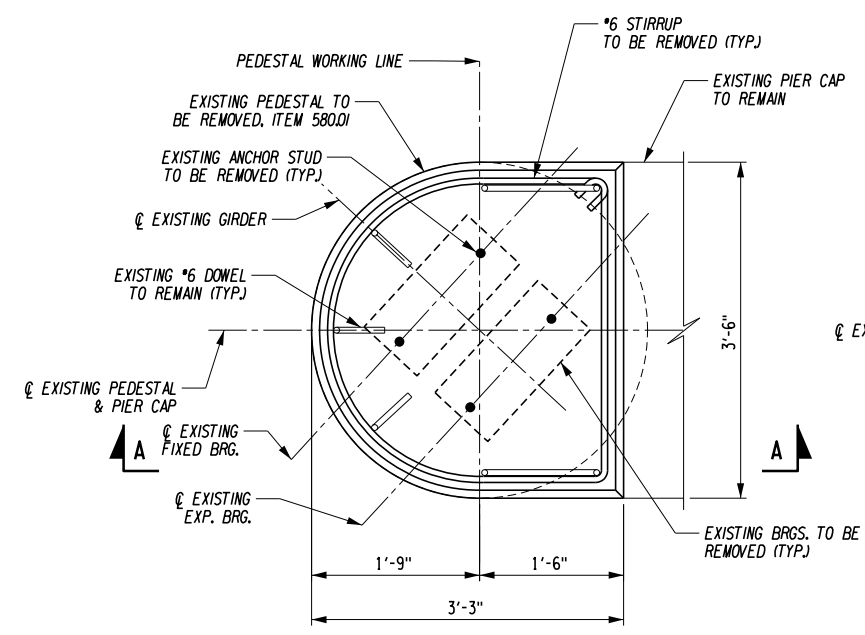
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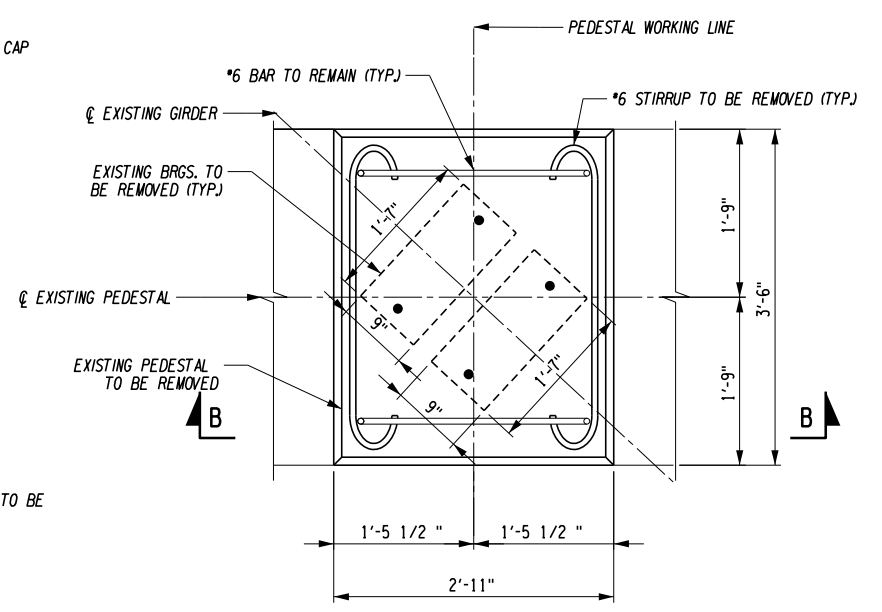
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DATE	DESCRIPTION	BY	SYM.

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	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PEDESTAL DETAILS (SHEET 2 OF 4)		DRAWING NUMBER: ST-19

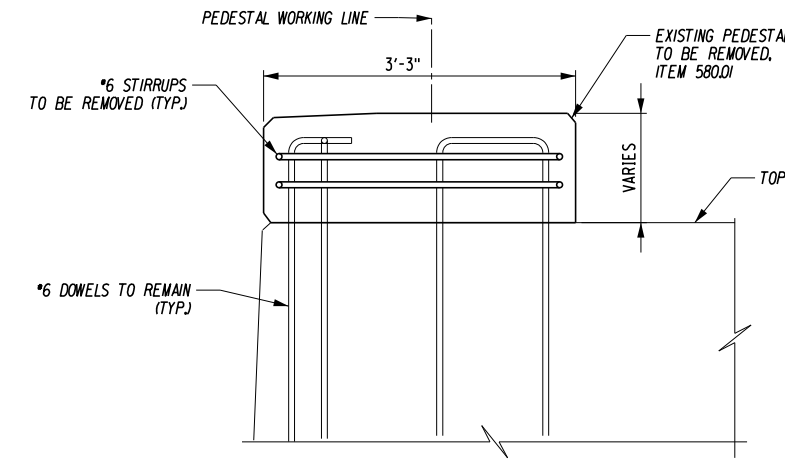
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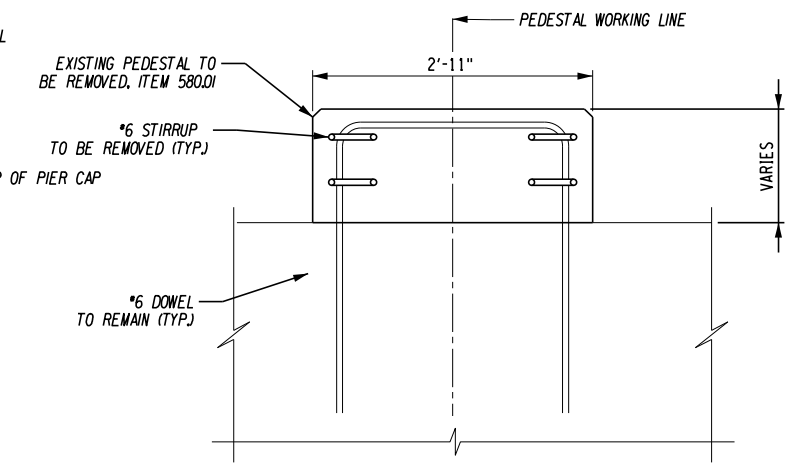
**DETAIL 1: END PEDESTAL
REMOVAL PLAN**
SCALE: 1/2" = 1'-0"



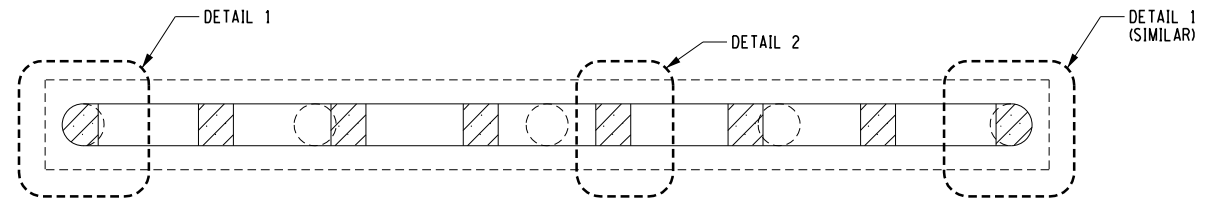
**DETAIL 2: TYPICAL PEDESTAL
REMOVAL PLAN**
SCALE: 1/2" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"




SECTION B-B
SCALE: 1/2" = 1'-0"



**PIER PEDESTAL REMOVAL
KEY PLAN**

- NOTES:**
1. PEDESTAL REMOVALS SHALL BE COORDINATED WITH PIER REPAIRS.
 2. SEE DWG. NO. ST-18 FOR ADDITIONAL NOTES.

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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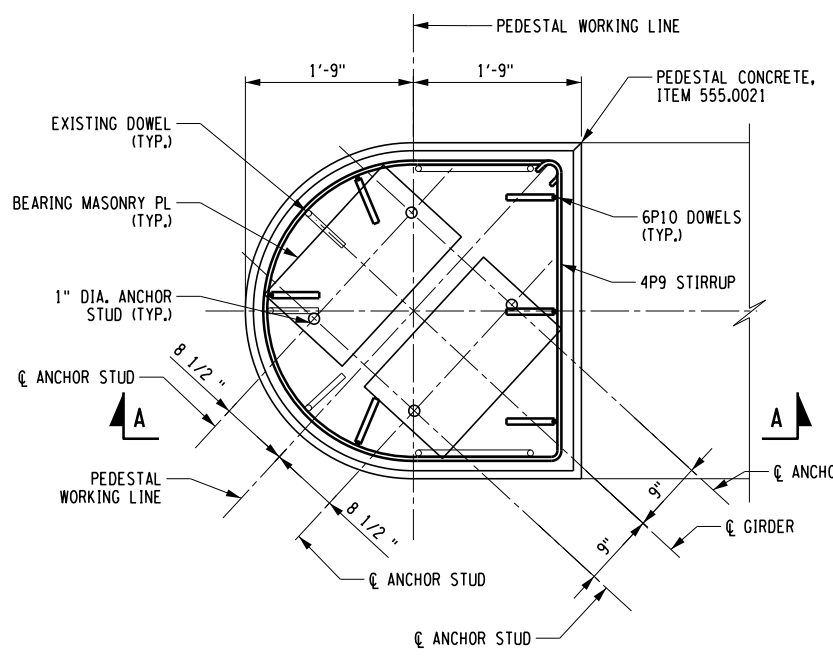

PARSONS

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LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PEDESTAL DETAILS (SHEET 3 OF 4)	DRAWING NUMBER: ST-20

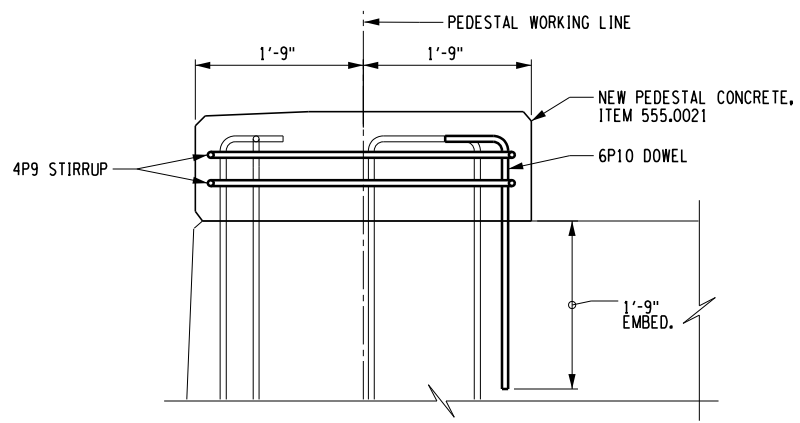
PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE

TABLE OF PROPOSED PEDESTAL ELEVATIONS			
	PIER 1	PIER 2	PIER 3
G1	321.11	320.81	320.55
G2	321.28	320.99	320.73
G3	321.45	321.17	320.90
G4	321.56	321.28	321.02
G5	321.43	321.16	320.89
G6	321.29	321.03	320.77
G7	321.15	320.91	320.65
G8	321.01	320.79	320.52
G9	321.07	320.77	320.48
G10	321.23	320.94	320.66
G11	321.39	321.12	320.84
G12	321.55	321.30	321.02
G13	321.70	321.48	321.19
G14	321.61	321.41	321.13
G15	321.45	321.29	321.01
G16	321.30	321.17	320.89

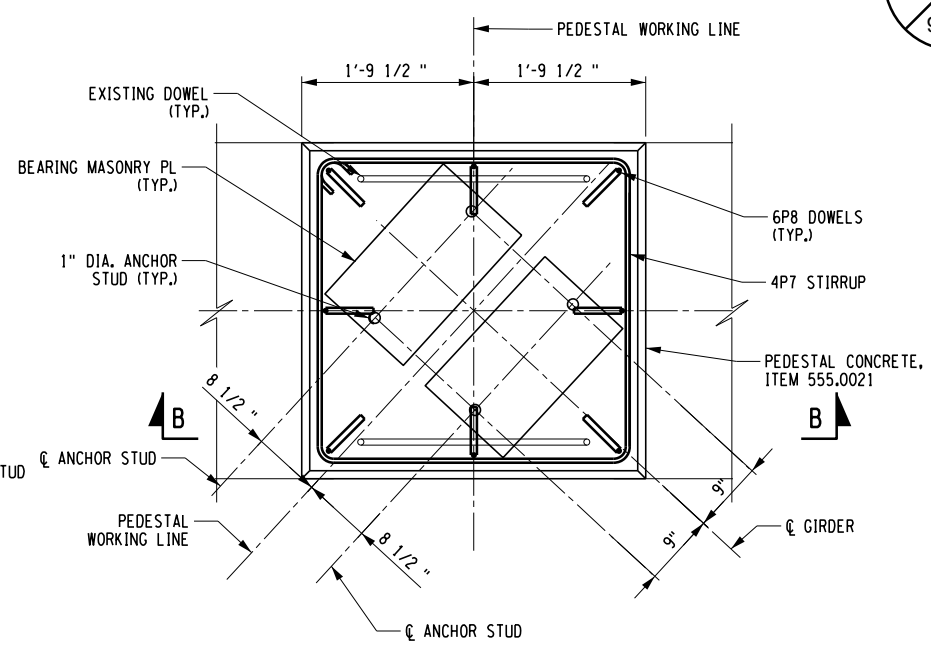
REINFORCEMENT TABLE	
PEDESTAL HEIGHT	NUMBER OF HOOPS
6" TO 8"	1
8" TO 11"	2
11" TO 14"	3
14" TO 17"	4
17" TO 20"	5



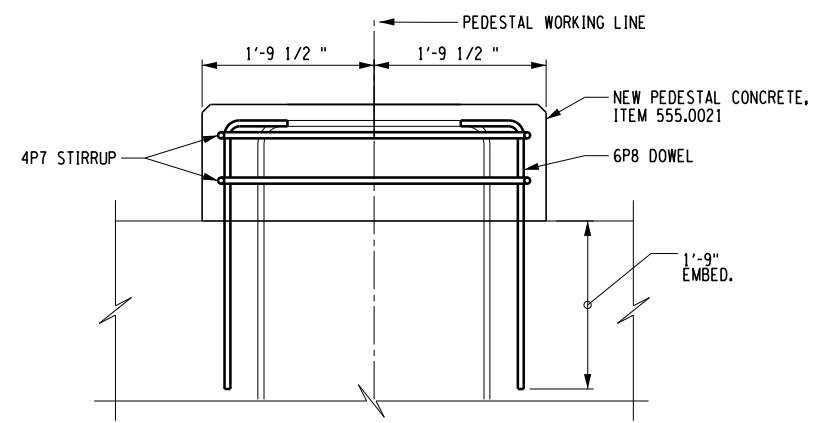
DETAIL 1: END PEDESTAL RECONSTRUCTION PLAN
SCALE: 1/2" = 1'-0"



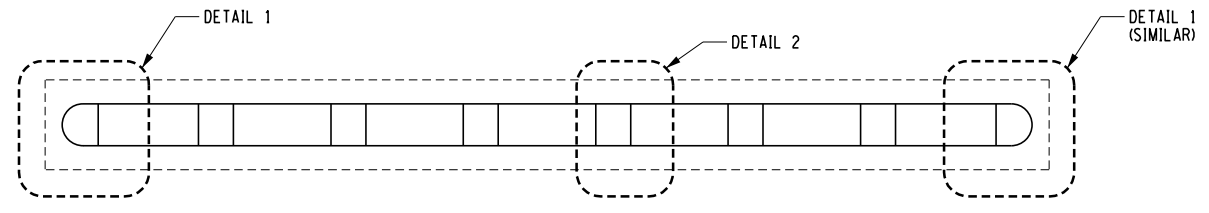
SECTION A-A
SCALE: 1/2" = 1'-0"



DETAIL 2: TYPICAL PEDESTAL RECONSTRUCTION PLAN
SCALE: 1/2" = 1'-0"




SECTION B-B
SCALE: 1/2" = 1'-0"




PIER PEDESTAL RECONSTRUCTION KEY PLAN

- NOTES:
- PEDESTAL REMOVALS SHALL BE COORDINATED WITH ABUTMENT BACKWALL REMOVAL AND PIER REPAIRS.
 - SEE DWG. NO. ST-18 FOR ADDITIONAL NOTES.
 - PEDESTAL REINFORCEMENT SHALL BE UNCOATED REINFORCEMENT PAID FOR UNDER ITEM 556.0201.

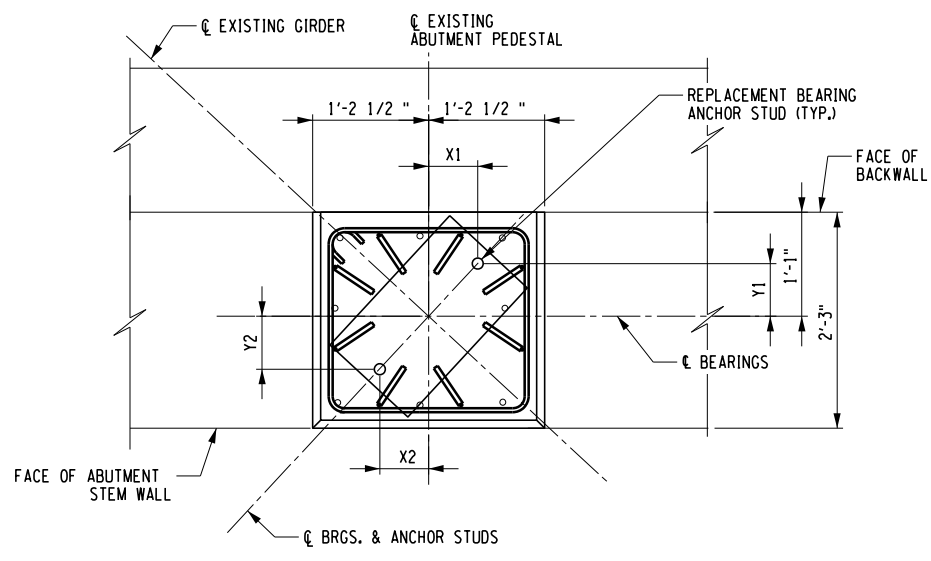
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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.

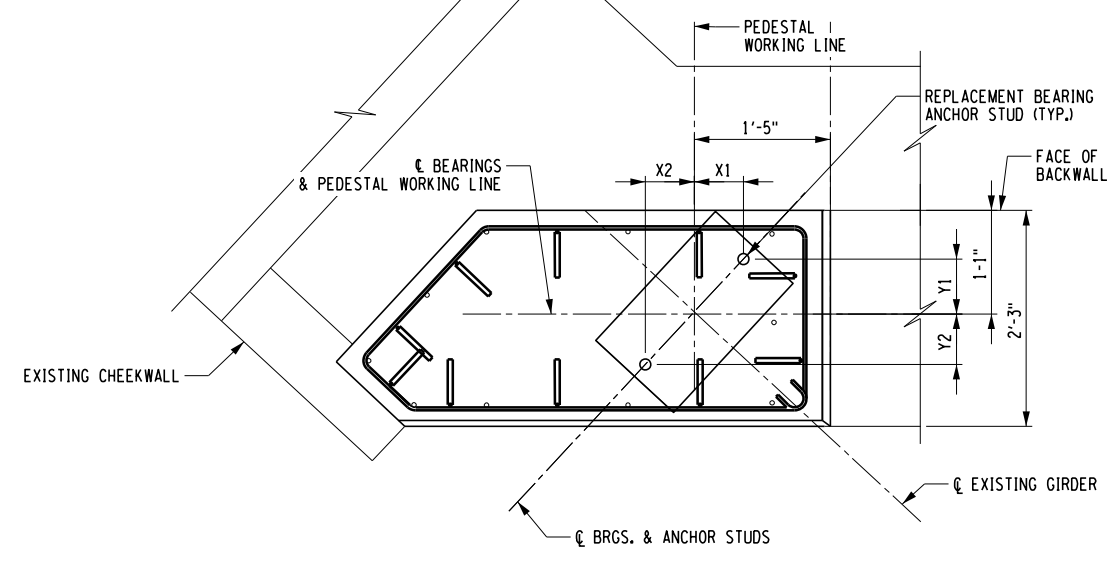
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PEDESTAL DETAILS (SHEET 4 OF 4)		DRAWING NUMBER: ST-21

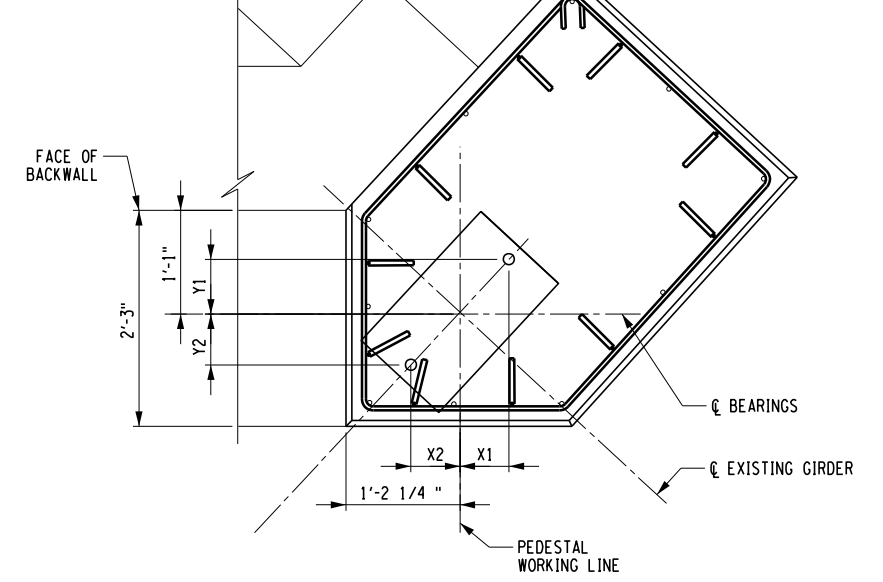
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



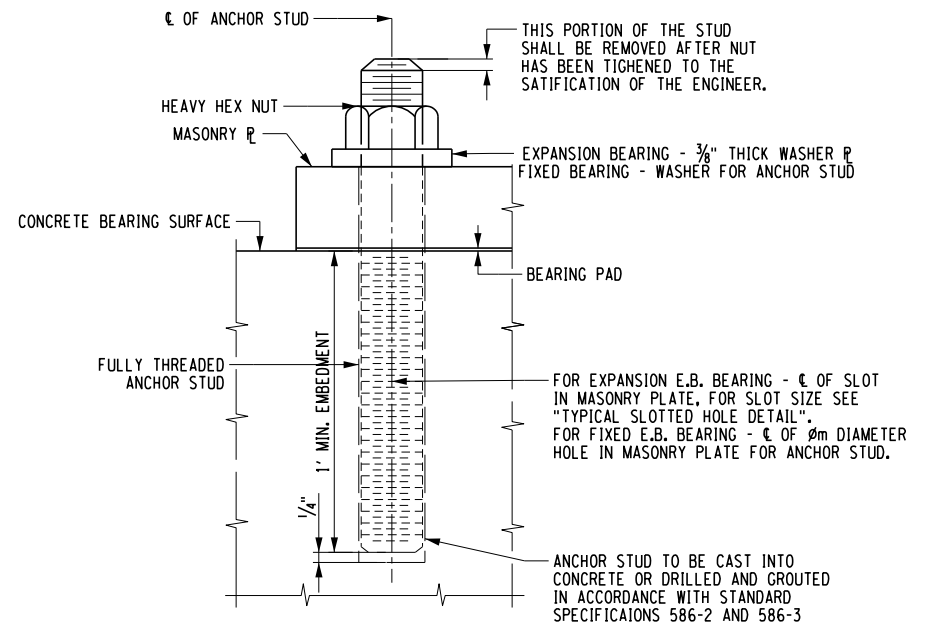
**DETAIL 1:
TYPICAL ABUTMENT BEARING PLAN
N.T.S.**



**DETAIL 2:
TYPICAL ABUTMENT BEARING PLAN
N.T.S.**

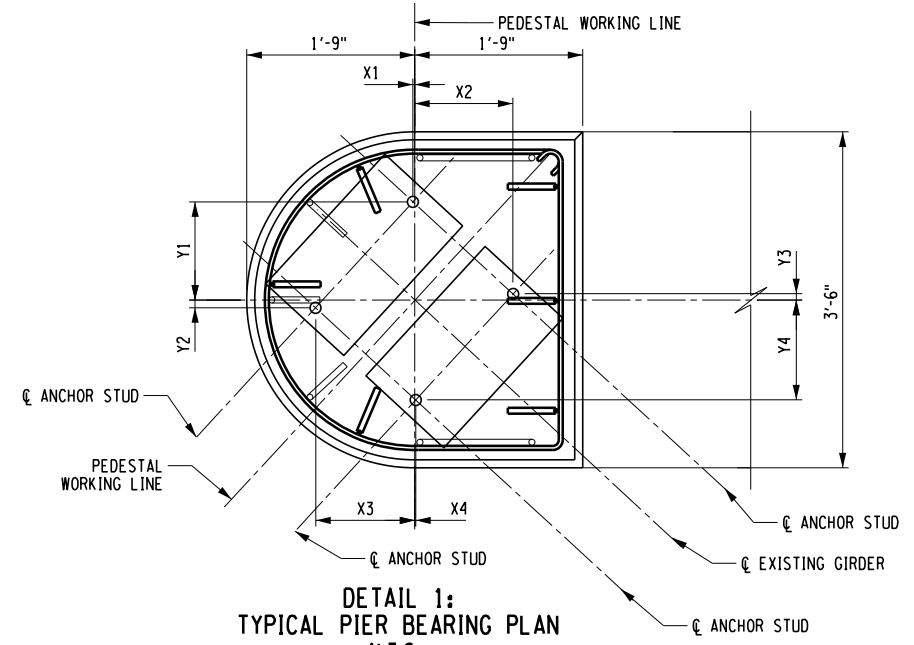


**DETAIL 3:
TYPICAL ABUTMENT BEARING PLAN
N.T.S.**

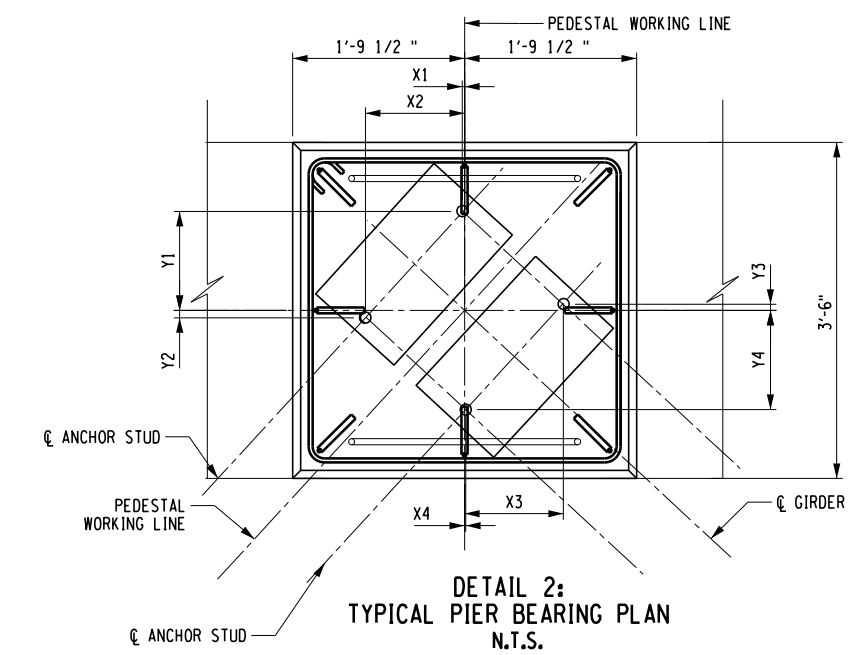


**ANCHOR STUD
N.T.S.**

ABUTMENT BEARING PLACEMENT TABLE				
	X1	Y1	X2	Y2
ABUTMENT DETAIL 1	6 1/8"	6 5/8"	6 1/8"	6 5/8"
ABUTMENT DETAIL 2	6 1/8"	6 1/8"	6 1/8"	6 1/4"
ABUTMENT DETAIL 3	6 1/8"	6 1/8"	6 1/8"	6 3/8"



**DETAIL 1:
TYPICAL PIER BEARING PLAN
N.T.S.**



**DETAIL 2:
TYPICAL PIER BEARING PLAN
N.T.S.**

PIER BEARING PLACEMENT TABLE								
	X1	Y1	X2	Y2	X3	Y3	X4	Y4
PIER DETAIL 1	1/4"	1'-1/4"	1'-1/4"	1"	1'-3/8"	3/4"	1/8"	1'-1/2"
PIER DETAIL 2	1/4"	1'-3/8"	1'-3/8"	1/8"	1'-3/8"	3/4"	1/8"	1'-3/8"

- NOTES:**
- THE DIMENSIONS SHOWN ON THE BEARING PLACEMENT PLAN ARE TAKEN FROM THE WORKING POINT.
 - FOR PEDESTAL DETAILS, SEE ST-18 TO ST-21.
 - FOR ELASTOMERIC BEARING DETAILS, SEE ST-23 TO ST-24.
 - WEST ABUTMENT BEARING PLAN SHOWN, EAST ABUTMENT BEARING PLAN IS SIMILAR.

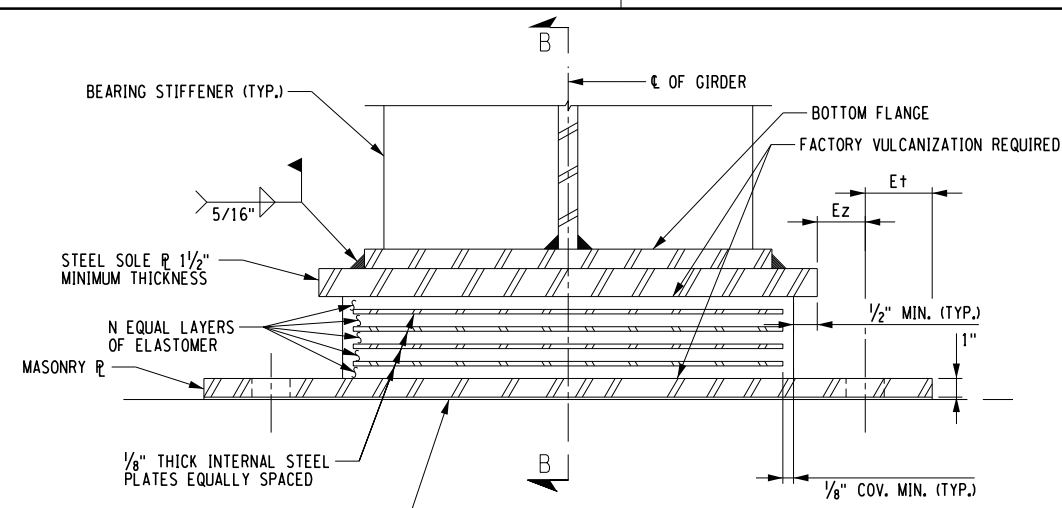
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

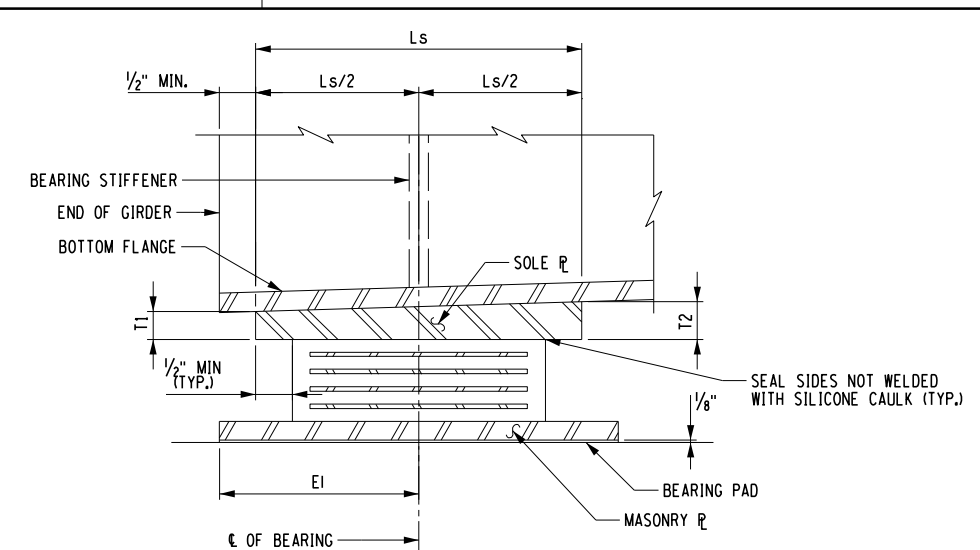


TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING ELASTOMERIC BEARING DETAILS (SHEET 1 OF 3)	DRAWING NUMBER: ST-22

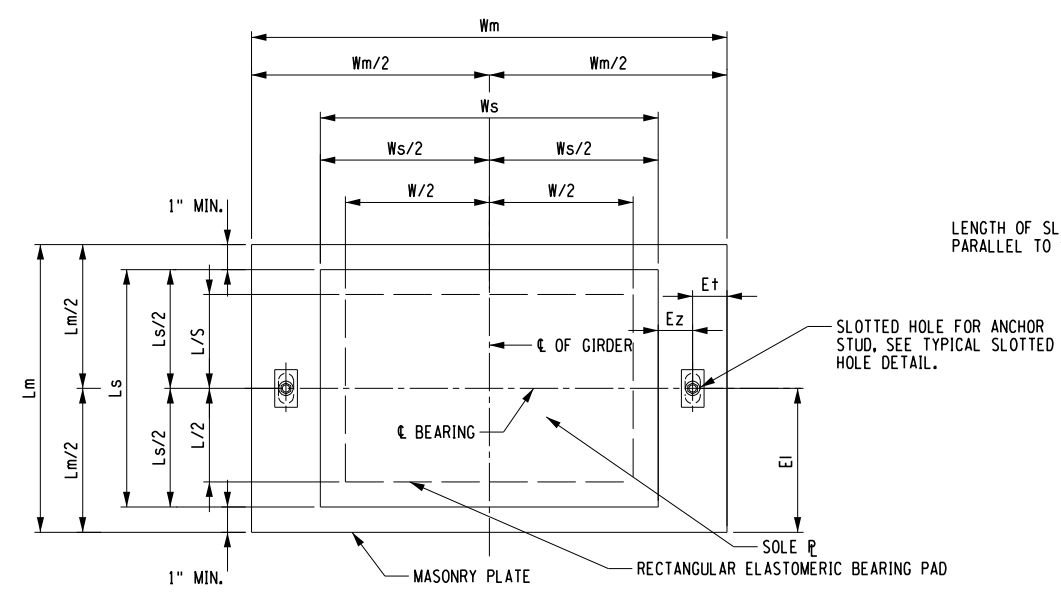
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



**ELEVATION
TYPICAL EXPANSION BEARING
NOT TO SCALE**

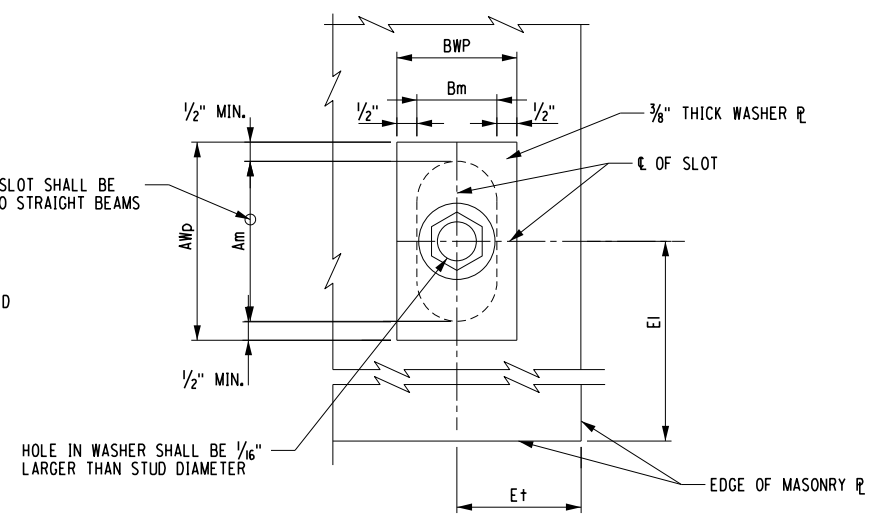


**SECTION B-B
TYPICAL EXPANSION BEARING
NOT TO SCALE**



**PLAN
TYPICAL RECTANGULAR EXPANSION BEARING
NOT TO SCALE**

LENGTH OF SLOT SHALL BE PARALLEL TO STRAIGHT BEAMS



**TYPICAL SLOTTED HOLE DETAIL
MASONRY PLATE
NOT TO SCALE**

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 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. IF THE ANCHOR STUDS ARE SET UNDER THE SOLE PLATE, A MINIMUM CLEARANCE EQUAL TO TWO TIMES THE THICKNESS OF ANCHOR NUT PLUS 1" SHALL BE MAINTAINED BETWEEN THE TOP OF MASONRY PLATE AND BOTTOM OF SOLE PLATE.
9. SILICONE CAULK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NYSDOT STANDARD SPECIFICATIONS SECTION 705-06.
10. A 0.5" SHIM PLATE SHALL BE INSTALLED UNDER THE MASONRY PLATE FOR EXPANSION BEARINGS ON PIER 2 AND 3.

EXPANSION ELASTOMERIC BEARING (TYPE E.B.) TABLE

LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (kips)	L.L. WITHOUT IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYER				hrt	COMP. AREA (SQ. In.)	SHEAR AREA (SQ. In.)	MASONRY PLATE						ANCHOR STUDS DIA. STUDS/BRG.	WELD SIZE	WASHER PLATE		SOLE PLATE		BRG. H					
							THK/LAYER	NO. LAYERS	L	W				Wm	Lm	Tm	Et	E1	Ez			Am	Bm	Ws	Ls		T1	T2			
PIER 1	565.2033	32	62	93	155	6.24	0.5	3	11.25	14	1.5	151	158	22	13.25	1	2	6.625	1.5	2.5	1.375	1	2	5/16	3.5	2.375	15	12.25	1.5	1.5	4,250
PIER 2	565.2033	16	62	93	155	6.24	0.5	3	11.25	14	1.5	151	158	22	13.25	1	2	6.625	1.5	2.5	1.375	1	2	5/16	3.5	2.375	15	12.25	1.5	1.5	4,250
PIER 3	565.2033	16	62	93	155	6.24	0.5	3	11.25	14	1.5	151	158	22	13.25	1	2	6.625	1.5	2.5	1.375	1	2	5/16	3.5	2.375	15	12.25	1.5	1.5	4,250

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

T2 IS UPSTATION OF T1.

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ DANIEL A. LEVINE
STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

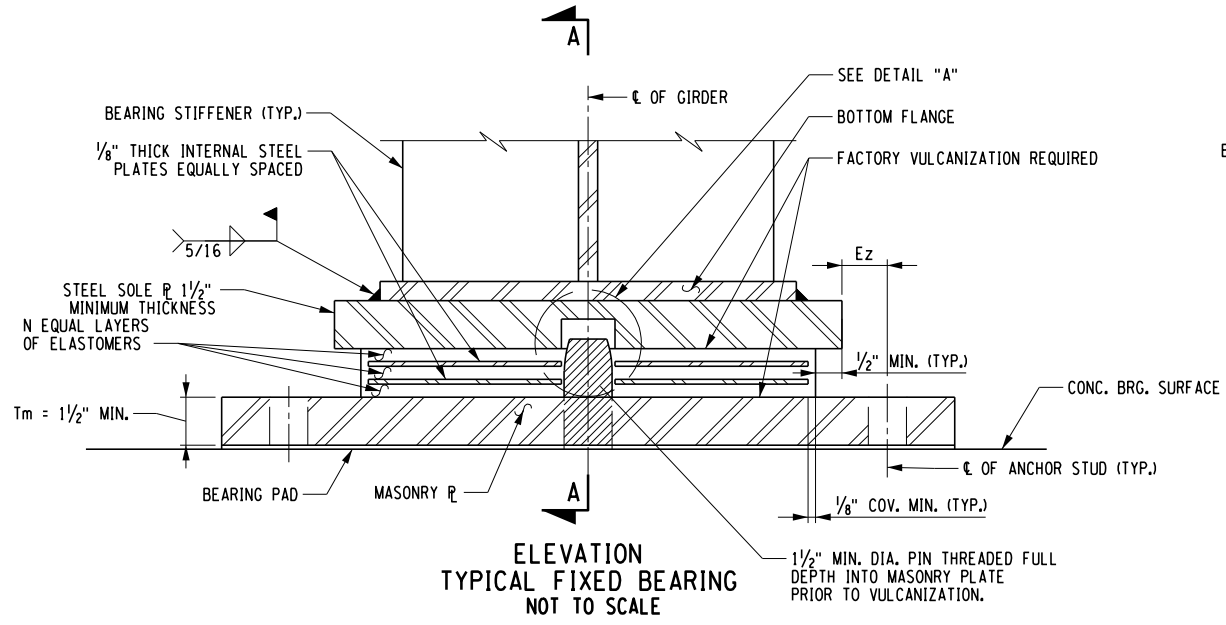
PARSONS

TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S
LOCATION OF PROJECT: ALBANY DIVISION MP 178.38

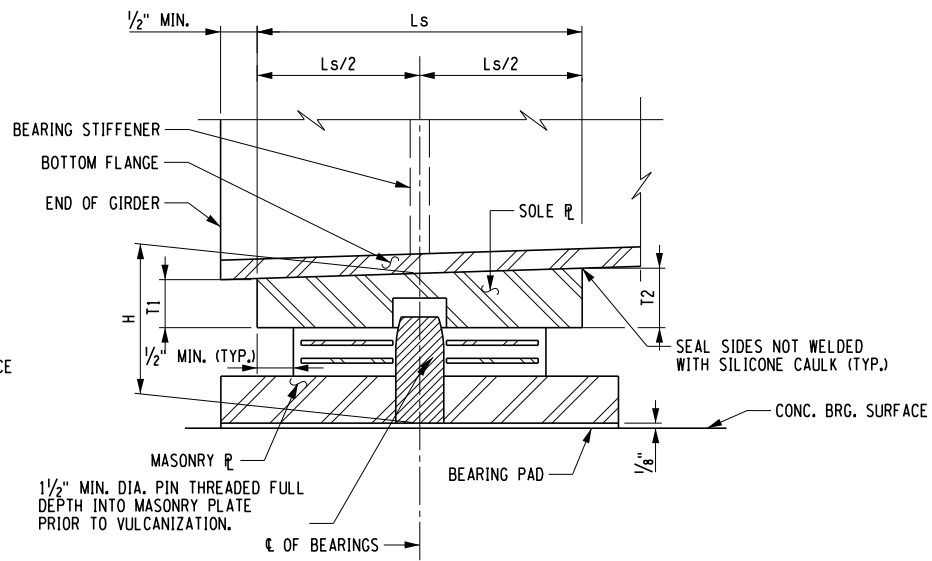
TITLE OF DRAWING: ELASTOMERIC BEARING DETAILS (SHEET 2 OF 3)

CONTRACT NUMBER: TAA 25-06B
DATE: 12/11/2024
DRAWING NUMBER: ST-23

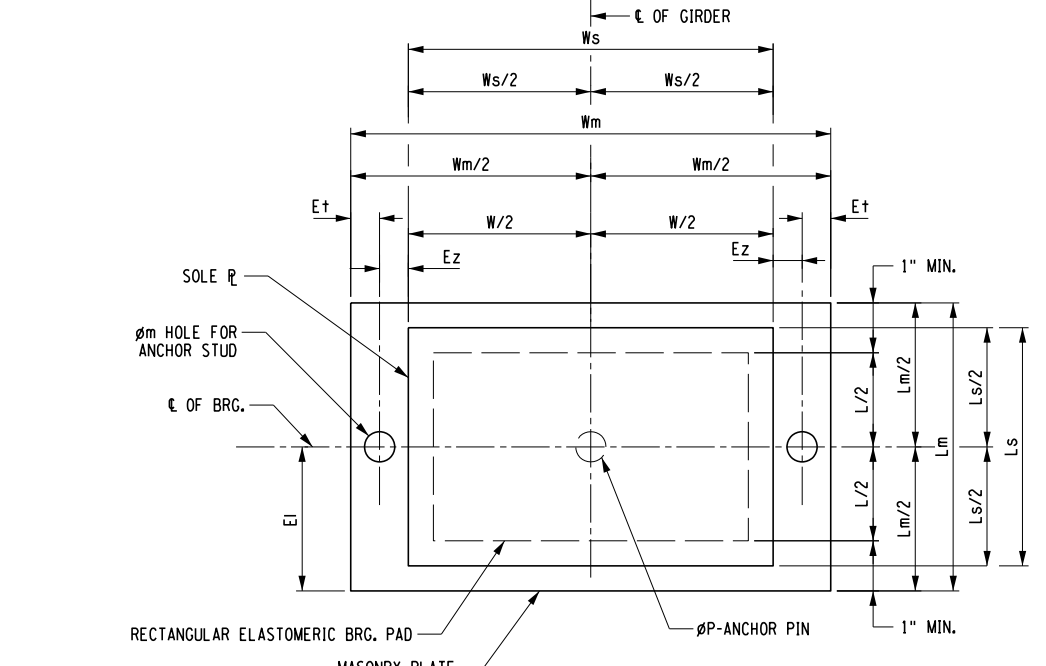
PWZ/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



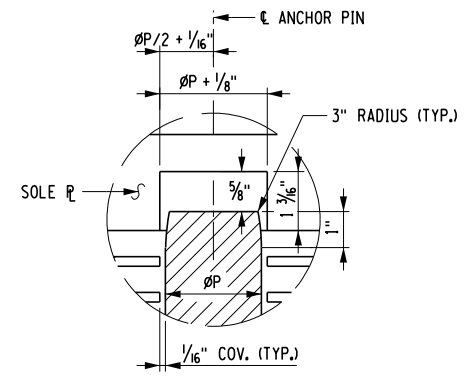
**ELEVATION
TYPICAL FIXED BEARING
NOT TO SCALE**



**SECTION A-A
NOT TO SCALE**



**PLAN
TYPICAL RECTANGULAR FIXED BEARING
NOT TO SCALE**



**DETAIL "A"
FIXED BEARING ANCHOR PIN
NOT TO SCALE**

NOTES:

- THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
- ALL ELASTOMER SHALL BE 60 DUROMETER HARDNESS ON THE SHORE A SCALE.
- ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A709, GR. 50, UNLESS OTHERWISE NOTED.
- BEARING PADS SHALL CONFORM TO ONE OF THE FOLLOWING MATERIAL SPECIFICATIONS: 728-01, 728-02 OR 728-03.
- INSTALLATION ALIGNMENT: THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 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.
- 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.
- THE BEARING PAD, ANCHOR STUDS, WASHER PLATES AND NUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.
- IF THE ANCHOR STUDS ARE SET UNDER THE SOLE PLATE, A MINIMUM CLEARANCE EQUAL TO TWO TIMES THE THICKNESS OF ANCHOR NUT PLUS 1" SHALL BE MAINTAINED BETWEEN THE TOP OF MASONRY PLATE AND BOTTOM OF THE SOLE PLATE.
- SILICONE CAULK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NYS DOT STANDARD SPECIFICATIONS SECTION 705-06.

LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (kips)	L.L. WITHOUT IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYER				hr t	COMP. AREA (SQ. In.)	SHEAR AREA (SQ. In.)	MASONRY PLATE				ANCHOR STUDS		WELD SIZE	SOLE PLATE				BRG. H	ØP (PIN DIA.)			
							THK/LAYER	NO. LAYERS	L	W				Wm	Lm	Tm	E t	Ei	Ez		Øm	DIA.	STUDS/BRG.	Ws			Ls	T1	T2
BEGIN ABUT.	565.2023	16	62	93	155	6.24	0.5	3	11.25	14	1.5	149	156	22	13.25	1.5	2	6.625	1.5	1.375	1	2	5/16	15	12.25	1.5	1.5	4.75	1.5
PIER 2	565.2023	16	62	93	155	6.24	0.5	3	11.25	14	1.5	149	156	22	13.25	1.5	2	6.625	1.5	1.375	1	2	5/16	15	12.25	1.5	1.5	4.75	1.5
PIER 3	565.2023	16	62	93	155	6.24	0.5	3	11.25	14	1.5	149	156	22	13.25	1.5	2	6.625	1.5	1.375	1	2	5/16	15	12.25	1.5	1.5	4.75	1.5
END ABUT.	565.2023	16	62	93	155	6.24	0.5	3	11.25	14	1.5	149	156	22	13.25	1.5	2	6.625	1.5	1.375	1	2	5/16	15	12.25	1.5	1.5	4.75	1.5

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

T2 IS UPSTATION OF T1.

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

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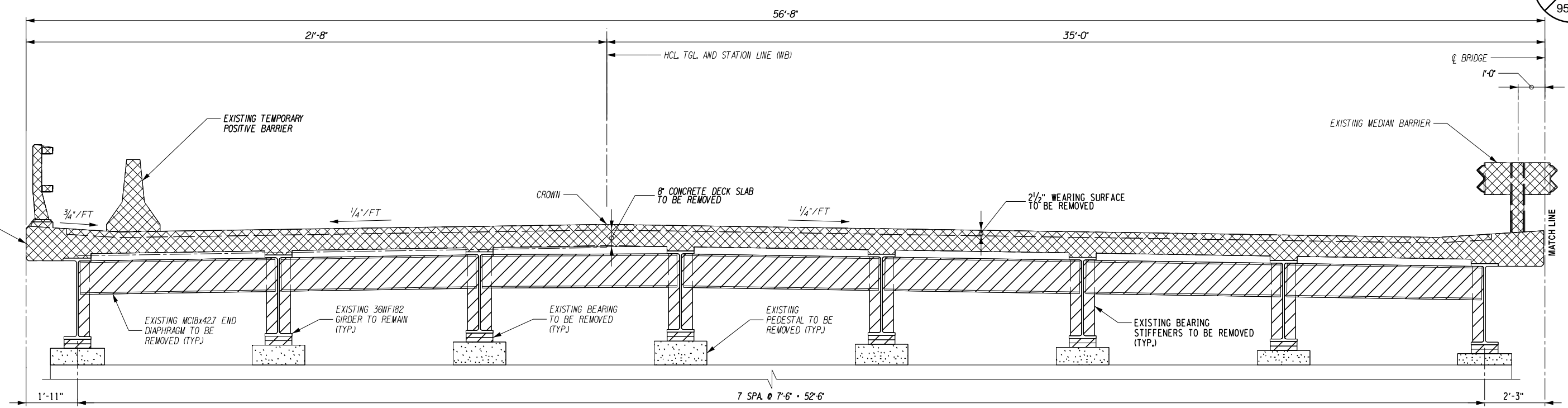
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

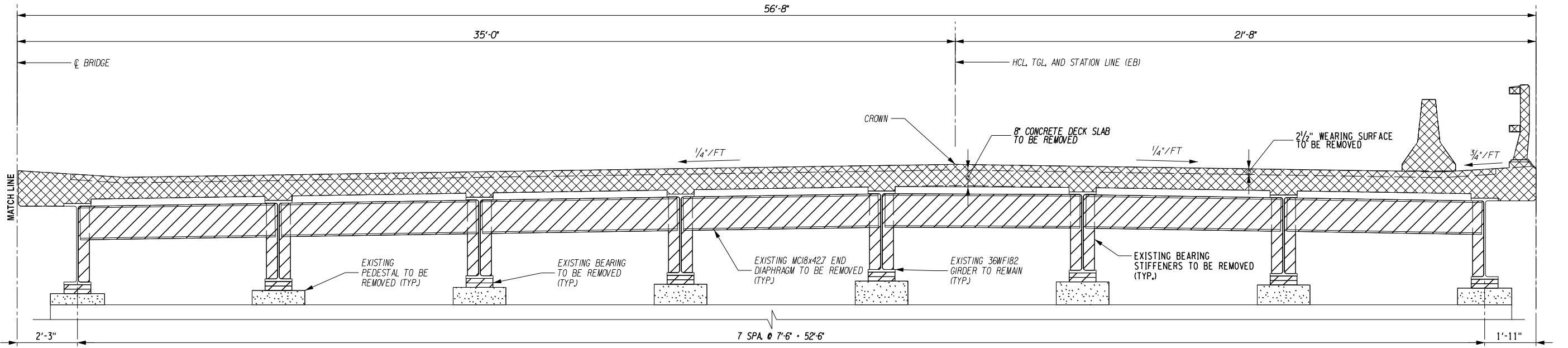
TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S
 LOCATION OF PROJECT: ALBANY DIVISION MP 178.38
 TITLE OF DRAWING: ELASTOMERIC BEARING DETAILS (SHEET 3 OF 3)

CONTRACT NUMBER: TAA 25-06B
 DATE: 12/11/2024
 DRAWING NUMBER: ST-24

PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN DESIGNED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGN SUPERVISOR: D. LEVINE



**EXISTING WESTBOUND TRANSVERSE SECTION
LOOKING UPSTATION**
SCALE: 1/4"=1'-0"



**EXISTING EASTBOUND TRANSVERSE SECTION
LOOKING UPSTATION**
SCALE: 1/4"=1'-0"

LEGEND

	PEDESTAL REMOVAL (ITEM 580.01)
	REMOVAL OF EXISTING STEEL SUPPORTED STRUCTURAL SLABS ITEM 202.2202
	REMOVAL OF EXISTING STEEL ITEM 589.010001 REMOVAL OF EXISTING BEARING 589.520001

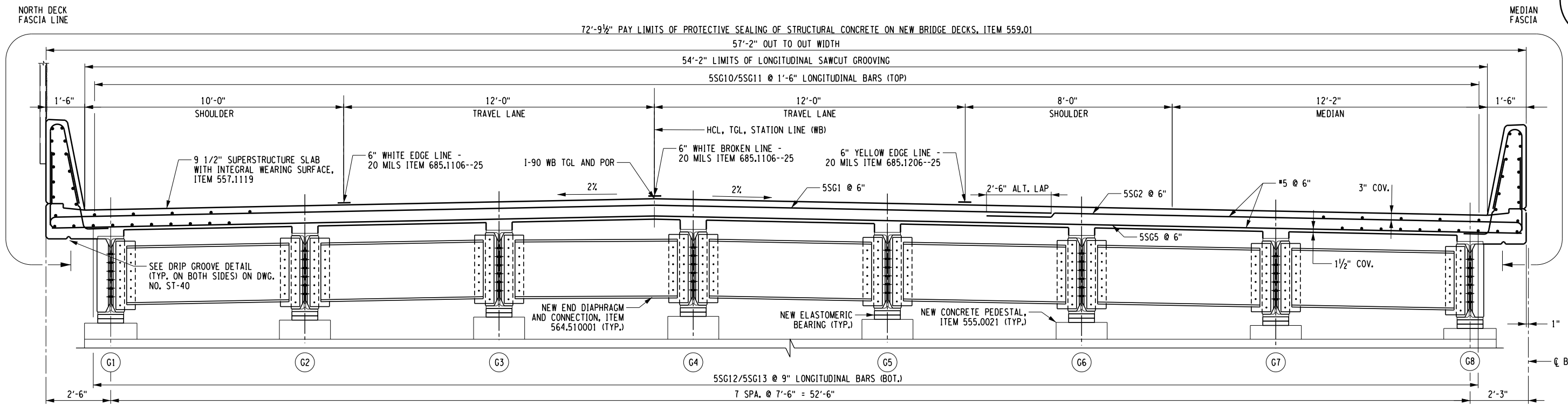
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: <div style="text-align: center; margin-top: 10px;"> </div>
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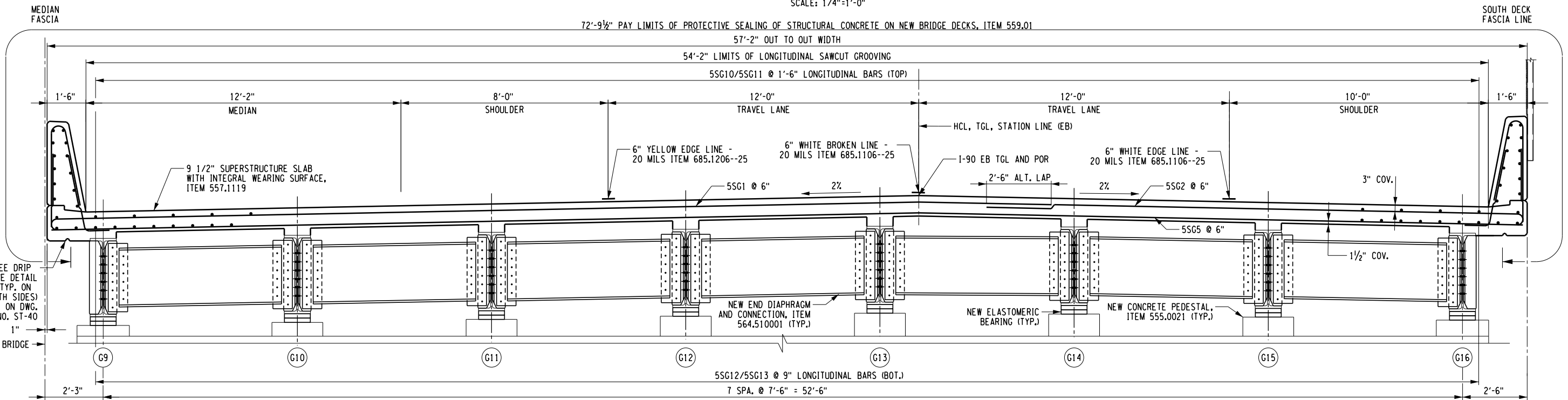
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S LOCATION OF PROJECT: ALBANY DIVISION MP 178.38	CONTRACT NUMBER: TAA 25-06B DATE: 12/11/2024 DRAWING NUMBER: ST-25


PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



**PROPOSED WESTBOUND TRANSVERSE SECTION
LOOKING UPSTATION**
SCALE: 1/4" = 1'-0"




**PROPOSED EASTBOUND TRANSVERSE SECTION
LOOKING UPSTATION**
SCALE: 1/4" = 1'-0"

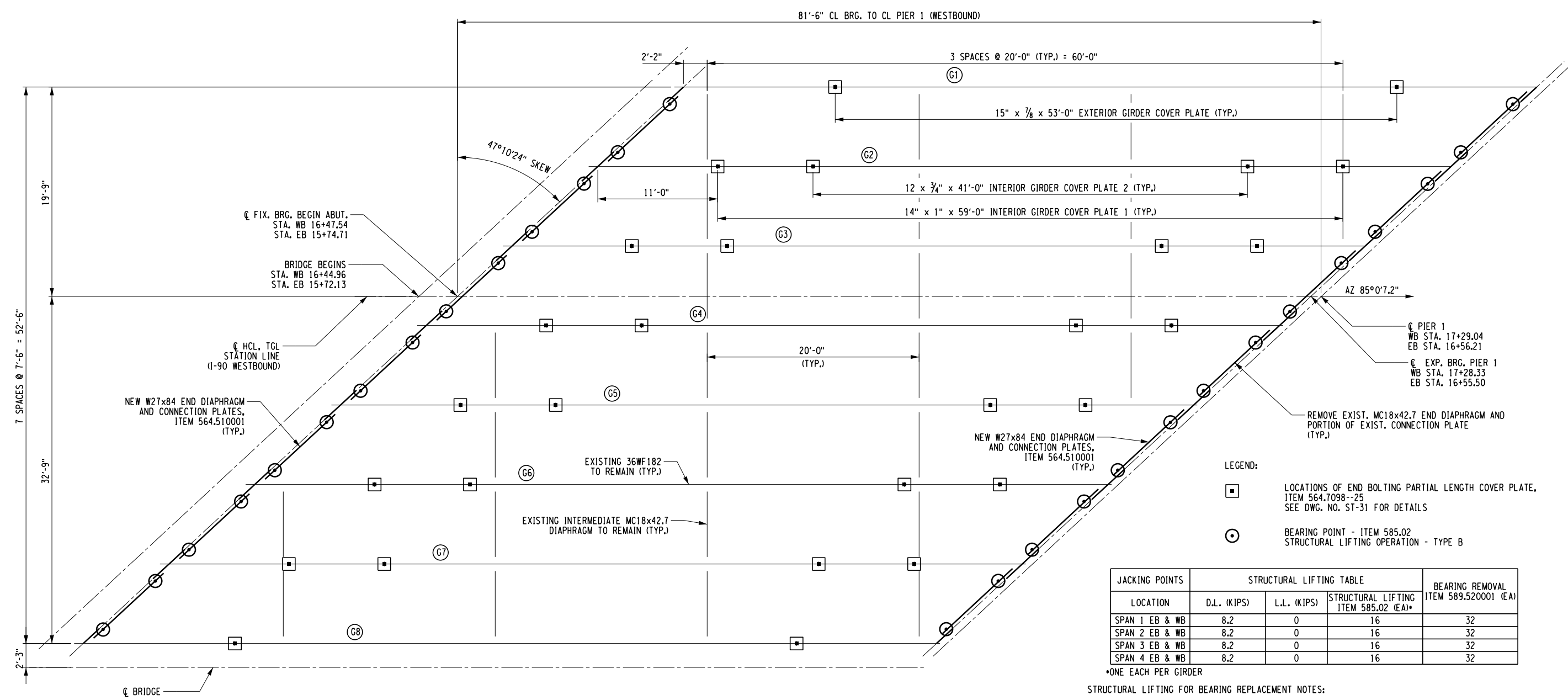
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING PROPOSED BRIDGE TRANSVERSE SECTION	DRAWING NUMBER: ST-26	

PWZ /
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE




FRAMING PLAN SPAN 1
(SPAN 4 SIMILAR)
(WESTBOUND SHOWN, EASTBOUND SIMILAR)
 SCALE: 1/16"=1'-0"

LEGEND:

- LOCATIONS OF END BOLTING PARTIAL LENGTH COVER PLATE, ITEM 564.7098-25 SEE DWG. NO. ST-31 FOR DETAILS
- ⊙ BEARING POINT - ITEM 585.02 STRUCTURAL LIFTING OPERATION - TYPE B


JACKING POINTS	STRUCTURAL LIFTING TABLE			BEARING REMOVAL ITEM 589.520001 (EA)
	LOCATION	D.L. (KIPS)	L.L. (KIPS)	
SPAN 1 EB & WB	8.2	0	16	32
SPAN 2 EB & WB	8.2	0	16	32
SPAN 3 EB & WB	8.2	0	16	32
SPAN 4 EB & WB	8.2	0	16	32

- ONE EACH PER GIRDER
- STRUCTURAL LIFTING FOR BEARING REPLACEMENT NOTES:**
- STRUCTURAL LIFTING IS ASSUMED TO OCCUR AFTER DEMOLITION OF THE BRIDGE DECK SUCH THAT THERE IS MINIMAL DEAD LOAD AND NO LIVE LOAD ON THE BRIDGE. CONSTRUCTION LIVE LOADS ARE NOT INCLUDED BUT CAN BE INCORPORATED INTO THE WORKING PLAN AT THE CONTRACTOR'S DISCRETION.
 - THE LIFT POINTS SHOWN ON THE PLANS ARE CONCEPTUAL. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LIFT POINTS AND SHOW THEIR LOCATION ON THE WORKING DRAWINGS. CONSIDERATION SHALL BE GIVEN TO ADJACENT WORK, INCLUDING THE REMOVAL AND REPLACEMENT OF PEDESTALS, DRILLING AND GROUTING OF REINFORCEMENT, AND REPAIR / RECONSTRUCTION OF THE ABUTMENT AND PIER CONCRETE.
 - AT THE CONTRACTOR'S OPTION, STRUCTURAL LIFTING CAN UTILIZE THE EXISTING DIAPHRAGMS PROVIDED IT IS DEMONSTRATED THAT THEY ARE CAPABLE OF SUPPORTING THE REQUIRED LOADS AS PART OF THE SUBMITTED WORKING DRAWINGS AND DESIGN COMPUTATIONS. IF JACKING IS PERFORMED UTILIZING THE NEW DIAPHRAGMS, THEY SHALL BE PROTECTED AGAINST DAMAGE (INCLUDING THAT OF THE PROTECTIVE COATING).
 - IF THE CONTRACTOR ELECTS TO DRILL AND GROUT ANCHORS AS PART OF THE STRUCTURAL LIFTING OPERATION THE DRILLING AND GROUTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS SECTION 586 WITH PULLOUT TEST REQUIRED. THE COST FOR ANY DRILLING AND GROUTING ASSOCIATED WITH THE STRUCTURAL LIFTING SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 585.02.

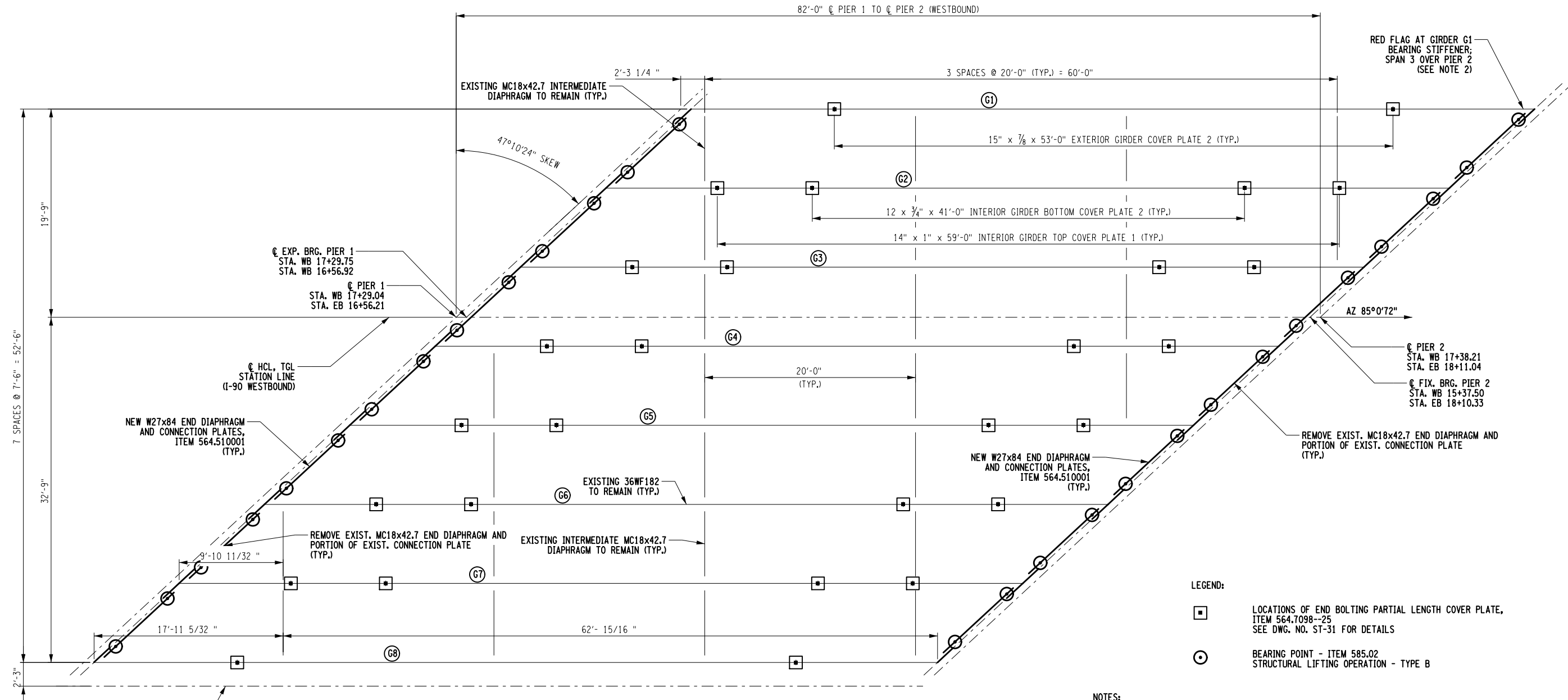
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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	SYMBOL

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING BRIDGE FRAMING PLAN (SHEET 1 OF 2)		DRAWING NUMBER: ST-27


PW/ DESIGNED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE



FRAMING PLAN SPAN 2
(SPAN 3 SIMILAR)
(WESTBOUND SHOWN, EASTBOUND SIMILAR)
 SCALE: 1/16"=1'-0"


- LEGEND:**
- LOCATIONS OF END BOLTING PARTIAL LENGTH COVER PLATE, ITEM 564.7098--25 SEE DWG. NO. ST-31 FOR DETAILS
 - BEARING POINT - ITEM 585.02 STRUCTURAL LIFTING OPERATION - TYPE B

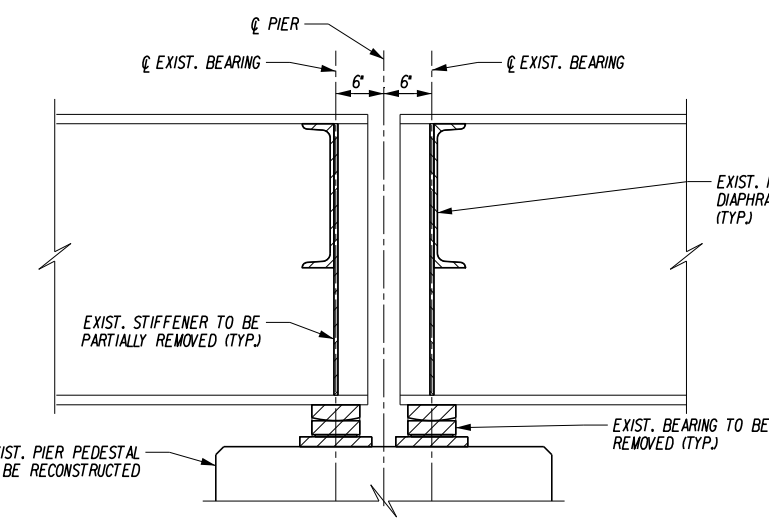
- NOTES:**
- FOR STRUCTURAL LIFTING NOTES AND JACKING TABLE, SEE DWG. NO. ST-27
 - ROUTINE BRIDGE INSPECTIONS HAVE IDENTIFIED A RED FLAG CONDITION LOCATED AT THE GIRDER G1 BEARING STIFFENER IN SPAN 3 OVER PIER 2. SEE DWG. NO. ST-30 FOR REPAIR DETAILS.

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
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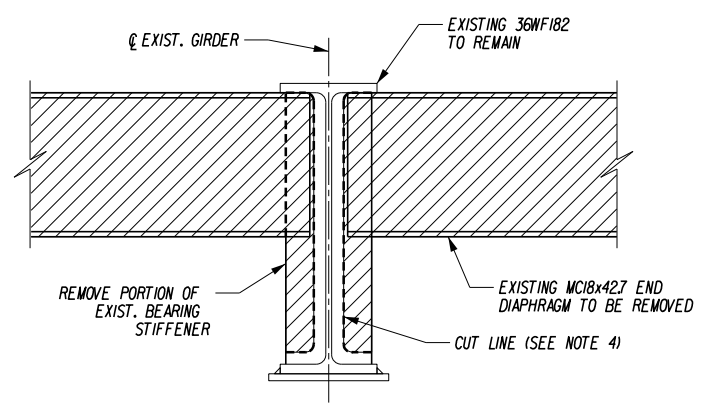
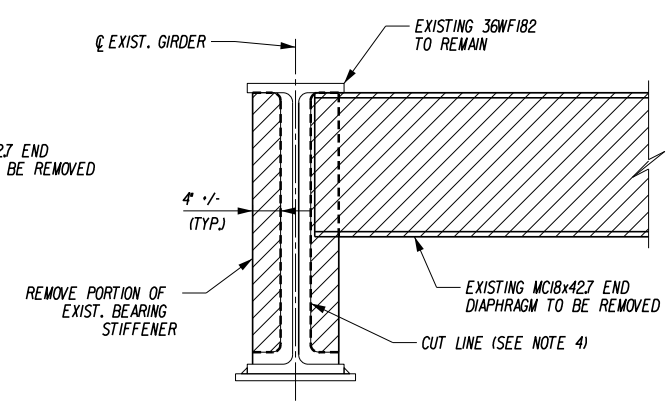
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

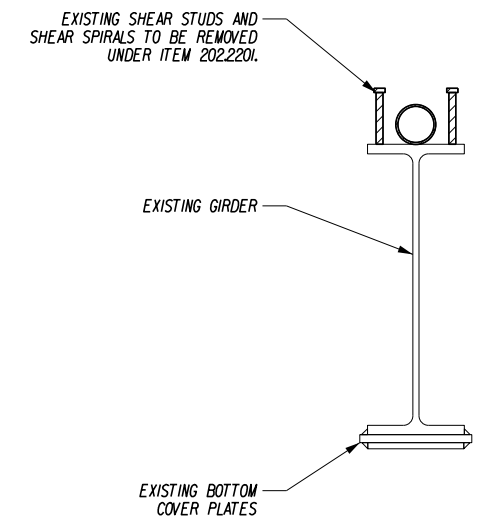
 PARSONS	TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING BRIDGE FRAMING PLAN (SHEET 2 OF 2)		DRAWING NUMBER: ST-28



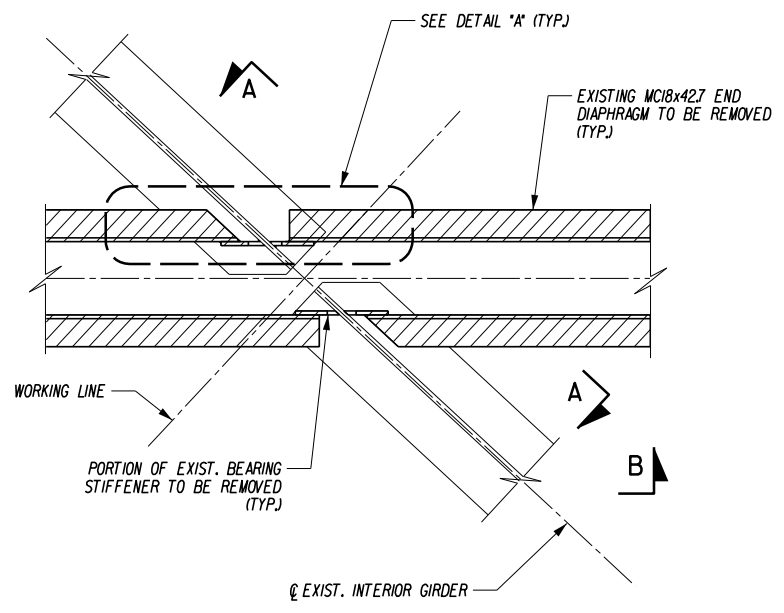
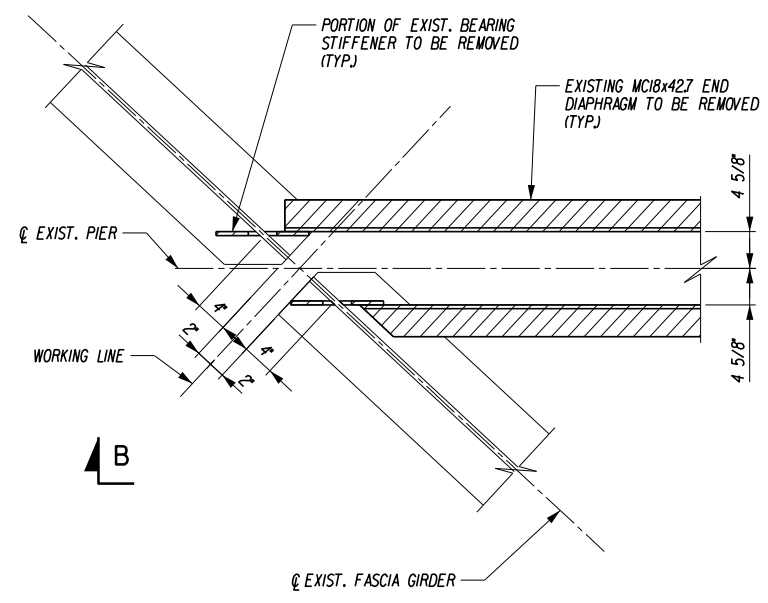
SECTION A-A
SCALE: 1/2"=1'-0"



SECTION B-B
SCALE: 1/2"=1'-0"



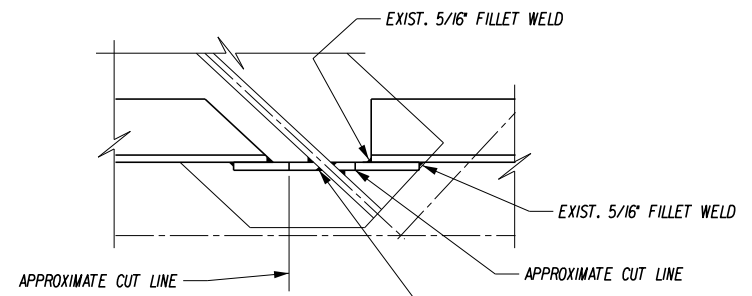
TYPICAL GIRDER SECTION
SCALE: 1"=1'-0"




PARTIAL PLANS OF END DIAPHRAGM REMOVAL
(PIERS 1, 2 & 3)
SCALE: 1/2"=1'-0"

NOTES:

1. COST OF EXISTING STEEL (DIAPHRAGM AND CONNECTION PLATES) REMOVAL TO BE INCLUDED UNDER ITEM 589.010001.
2. CONTRACTOR SHALL VERIFY EXISTING GEOMETRY PRIOR TO REMOVALS TO ENSURE FIT-UP OF PROPOSED STEEL.
3. REMOVE THE EXISTING WELDS BY AIR CARBON-ARC GAUGING USING AN APPROVED WPS. SURFACES TO REMAIN SHALL BE GROUND SMOOTH TO REMOVE ANY IRREGULARITIES.
4. THERMALLY CUT PLATES SHALL BE REMOVED TO THE APPROXIMATE CUT LINES SHOWN ON THESE PLANS. PROTECT EXISTING STEEL FROM SPLATTER, SLAG, AND OTHER CUTTING DEBRIS. GRIND FINAL SURFACE SMOOTH TO REMOVE ANY IRREGULARITIES. HARDNESS OF FLAME CUT EDGES SHALL BE LESS THAN A ROCKWELL HARDNESS VALUE OF C 30 PER THE NYS STEEL CONSTRUCTION MANUAL SECTION 602. REMOVE ANY SHARP EDGES USING A GRINDER. CARE SHALL BE TAKEN TO NOT DAMAGE THE MAIN GIRDER.
5. MINIMUM RADIUS OF FINISHED SURFACES SHALL BE 1" OR GREATER.
6. ALL STRUCTURAL STEEL WORK INCLUDING BUT NOT LIMITED TO REMOVAL OF EXISTING STEEL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE STEEL CONSTRUCTION MANUAL.
7. FOR DETAILS OF THE REPLACEMENT DIAPHRAGMS AND CONNECTION PLATES SEE DRAWING ST-30.




DETAIL "A"
SCALE: 1"=1'-0"

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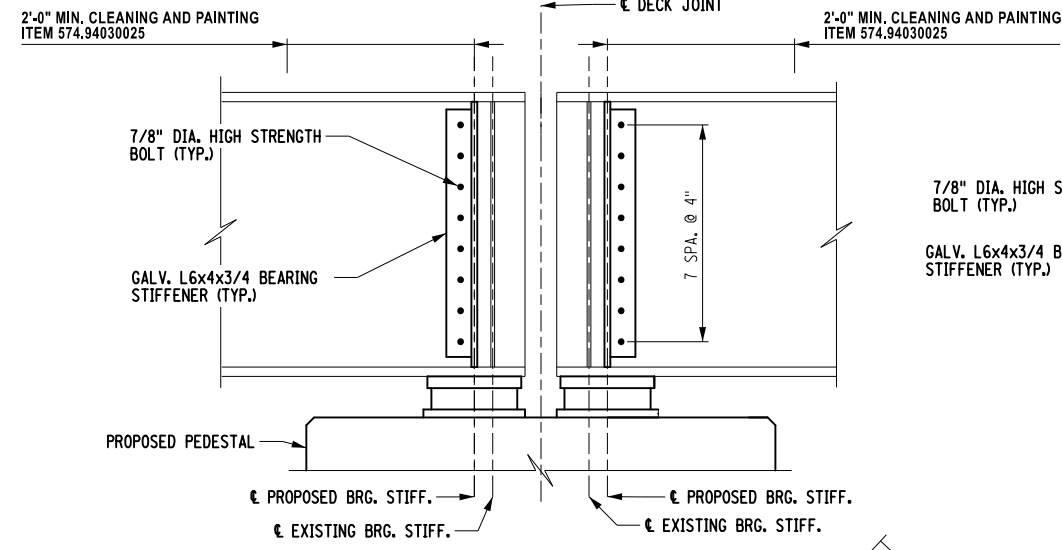
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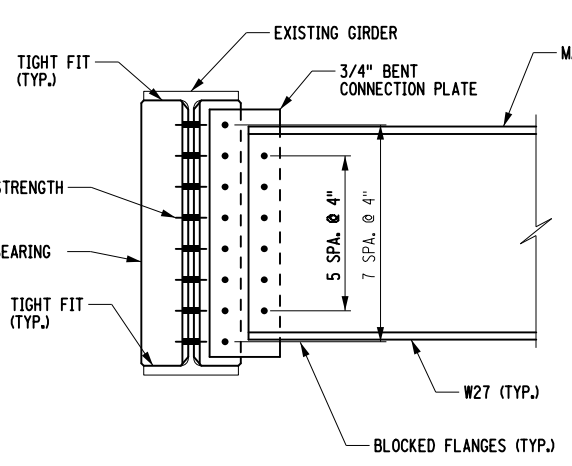
 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING TYPICAL STEEL DETAILS (SHEET 1 OF 3)	DRAWING NUMBER: ST-29	

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
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 DESIGN SUPERVISOR: D. LEVINE

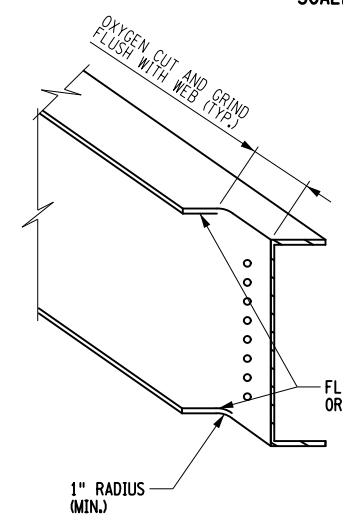
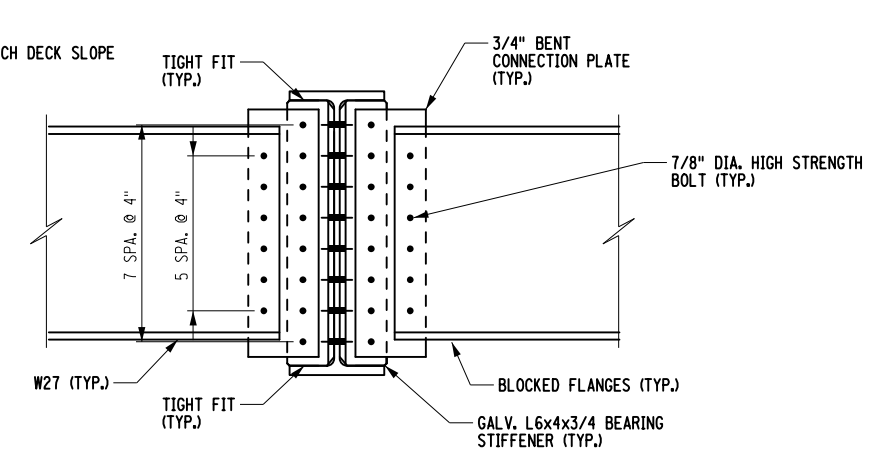
PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: D. LEVINE



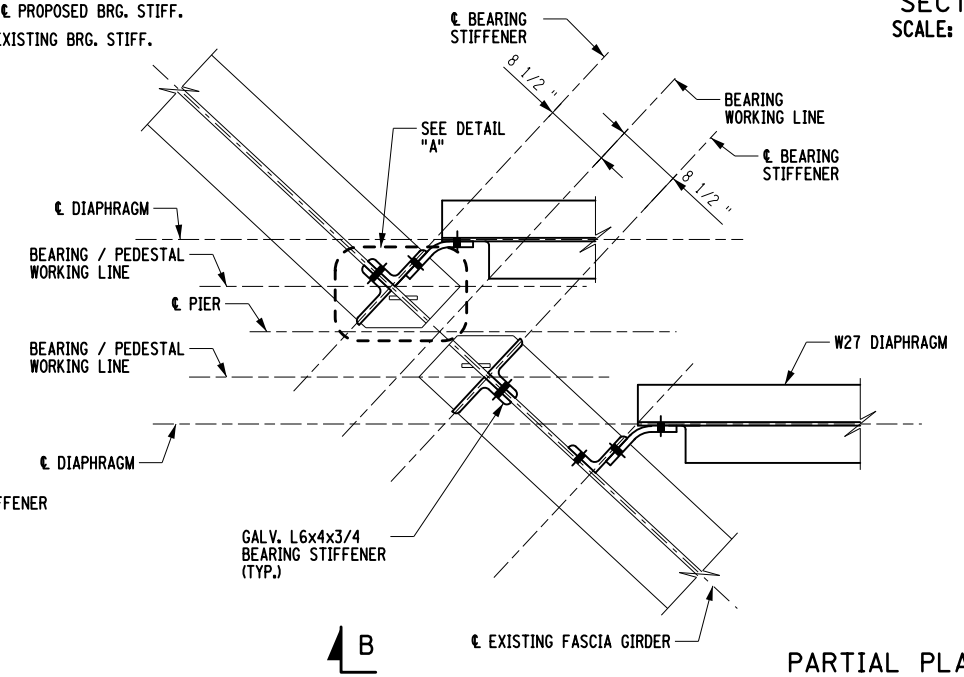
SECTION A-A
SCALE: 1/2" = 1'-0"



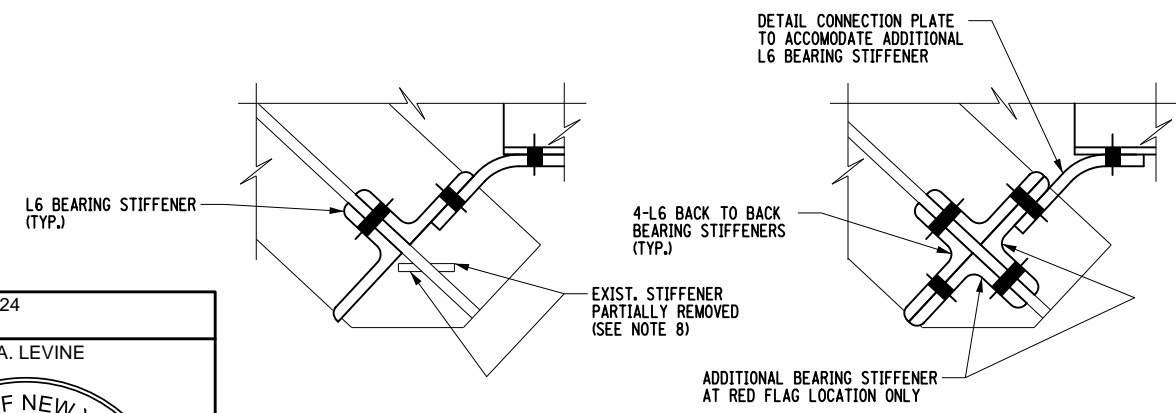
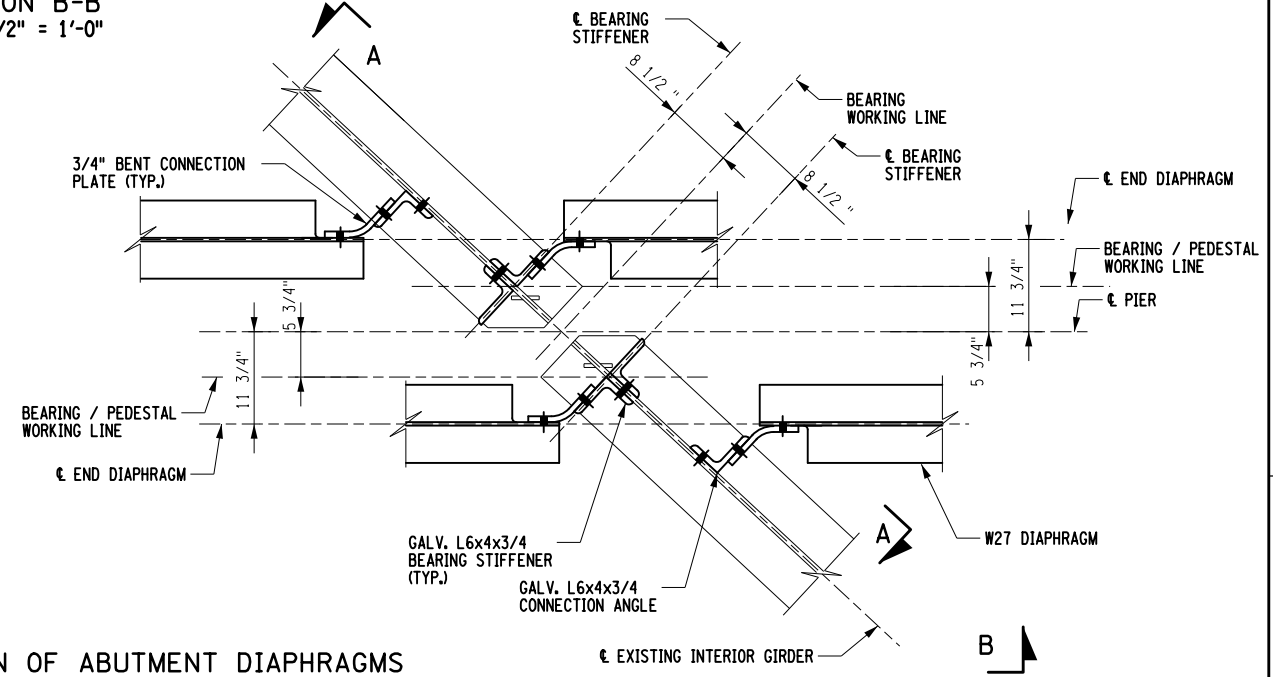
SECTION B-B
SCALE: 1/2" = 1'-0"



BLOCKED FLANGE DETAIL
NOT TO SCALE



PARTIAL PLAN OF ABUTMENT DIAPHRAGMS
(PIER DIAPHRAGMS SIMILAR)
SCALE: 1/2" = 1'-0"



DETAIL "A" TYPICAL
SCALE: 1" = 1'-0"

GIRDER G1 SPAN 3 RED FLAG
SCALE: 1" = 1'-0"

NOTES:

- NEW STEEL SHALL BE PAID FOR UNDER ITEM 564.510001 AND SHALL INCLUDE THE COST OF NEW HS BOLTS, HEAVY HEX NUTS, WASHERS, AND SHIM PLATES. NEW STEEL SHALL BE SUPPLIED HOT DIP GALVANIZED AND RECEIVE A FINISH COAT OF PAINT PER THE PROJECT GENERAL NOTES. EXISTING STEEL IN THE CRITICAL AREA, AS DEFINED IN SPECIAL SPECIFICATION 574.9403--25 SHALL BE CLEANED AND PAINTED, PAID FOR UNDER ITEM 574.9403--25. SHOP DRILLED HOLES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 564.510001. FIELD DRILLED HOLES IN EXISTING STRUCTURAL STEEL SHALL BE PAID FOR UNDER ITEM 586.10.
- CONNECTIONS SHALL BE MADE ACCORDING TO THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
- UNLESS OTHERWISE INDICATED, BOLTED CONNECTIONS SHALL BE MADE WITH 7/8" DIA. ASTM F3125, GRADE A325 HIGH-STRENGTH BOLTS.
- THE CONTRACTOR MAY PLACE DIAPHRAGMS ON EITHER SIDE OF THE BEARING STIFFENERS OR CONNECTION PLATES AS NECESSARY FOR CORRECT ALIGNMENT, PROVIDED THERE WILL BE NO INTERFERENCE WITH OTHER STRUCTURAL DETAILS.
- TAPERED OR FLAT SHIM PLATES MAY BE USED IN THE CONNECTION BETWEEN SKEWED DIAPHRAGMS AND THE BEARING STIFFENERS, STIFFENER CONNECTION PLATES OR GUSSET PLATES. VARIABLE THICKNESSES OF SHIM PLATES MAY BE USED. THE MINIMUM THICKNESS OF SHIM PLATE SHALL BE 1/8" WITH A MAXIMUM NUMBER OF THREE SHIM PLATES PERMITTED AT ANY CONNECTION. THE TOTAL THICKNESS OF ALL SHIM PLATES USED AT ANY CONNECTION SHALL NOT EXCEED 1". SHIM PLATES SHALL HAVE THE DIMENSIONS OF THE FAYING SURFACE. THE SHIM MATERIAL SHALL BE GALVANIZED UNLESS THEIR THICKNESS IS LESS THAN OR EQUAL TO 1/16" IN WHICH CASE THEY WILL BE SUPPLIED AS STAINLESS STEEL. NO ADDITIONAL PAYMENT WILL BE MADE FOR FURNISHING AND PLACING THE SHIM PLATES.
- DIAPHRAGM MEMBERS SHALL HAVE THEIR FLANGES COPED ON ONE SIDE TO MAKE THE BOLTED CONNECTION TO THE BEARING STIFFENER.
- PER THE NEW YORK STATE STEEL CONSTRUCTION MANUAL, FABRICATOR MAY ELECT TO USE OVERSIZED BOLTS (1 1/16" DIA.) IN EITHER THE DIAPHRAGMS OR THE CONNECTION PLATES, BUT NOT BOTH.
- EXISTING STIFFENER SHALL BE REMOVED AS CLOSE TO THE EXISTING GIRDER WEB AS POSSIBLE SUCH THAT THE GIRDER WEB IS ACCESSIBLE FOR FUTURE CLEANING AND PAINTING.

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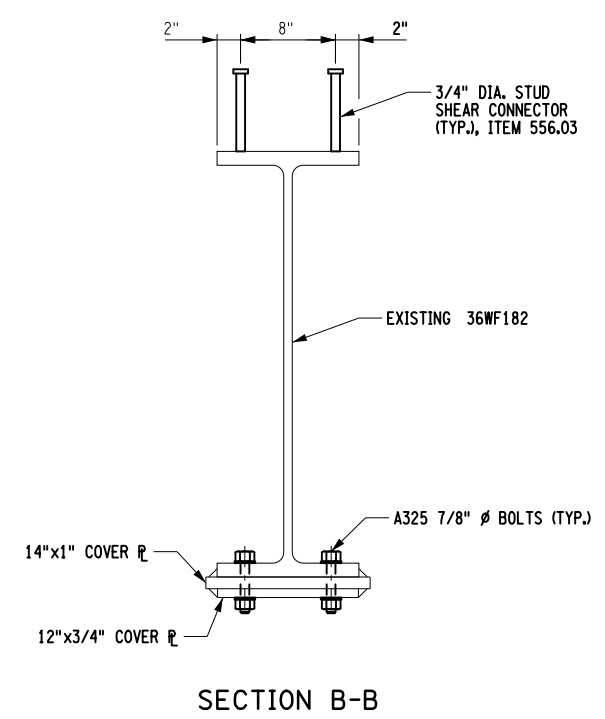
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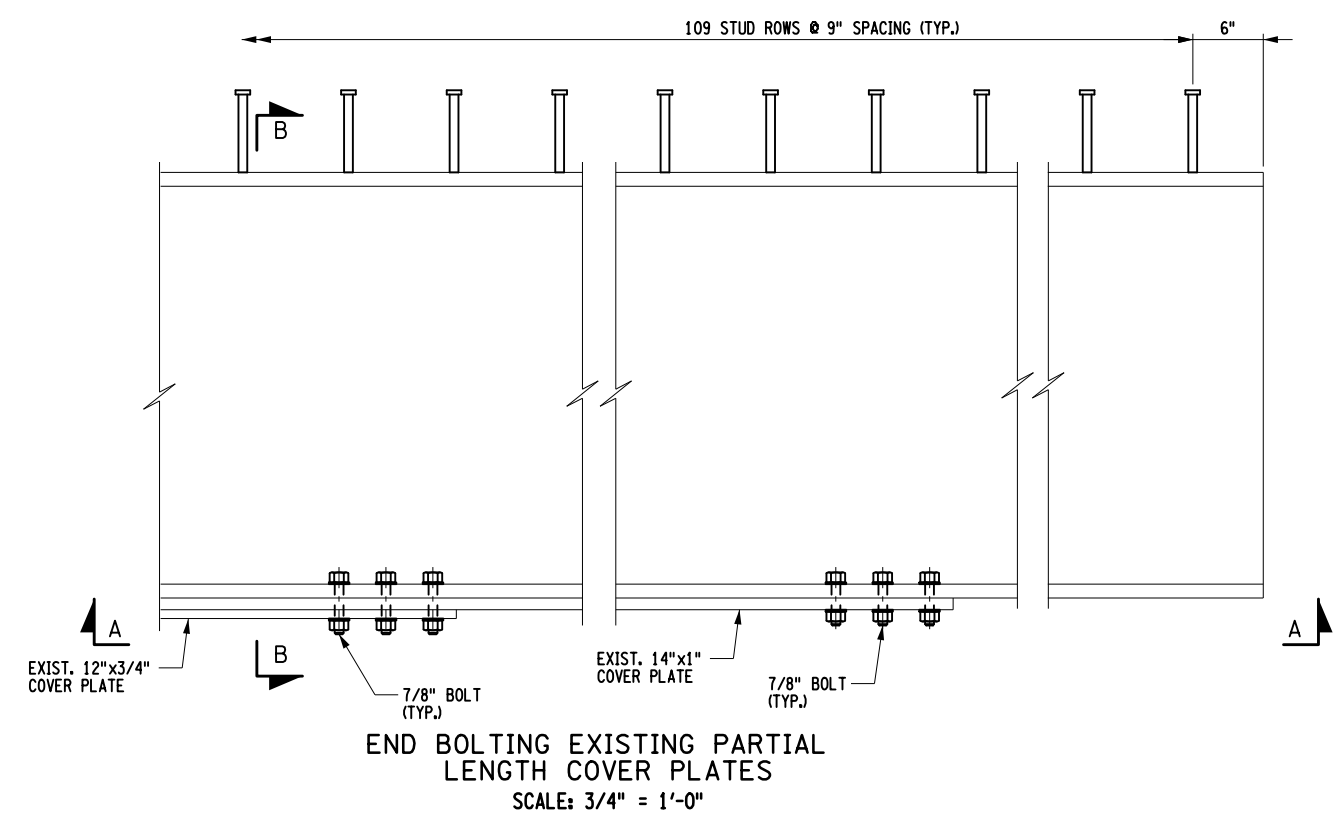


TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 55 & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING TYPICAL STEEL DETAILS (SHEET 2 OF 3)	DRAWING NUMBER: ST-30

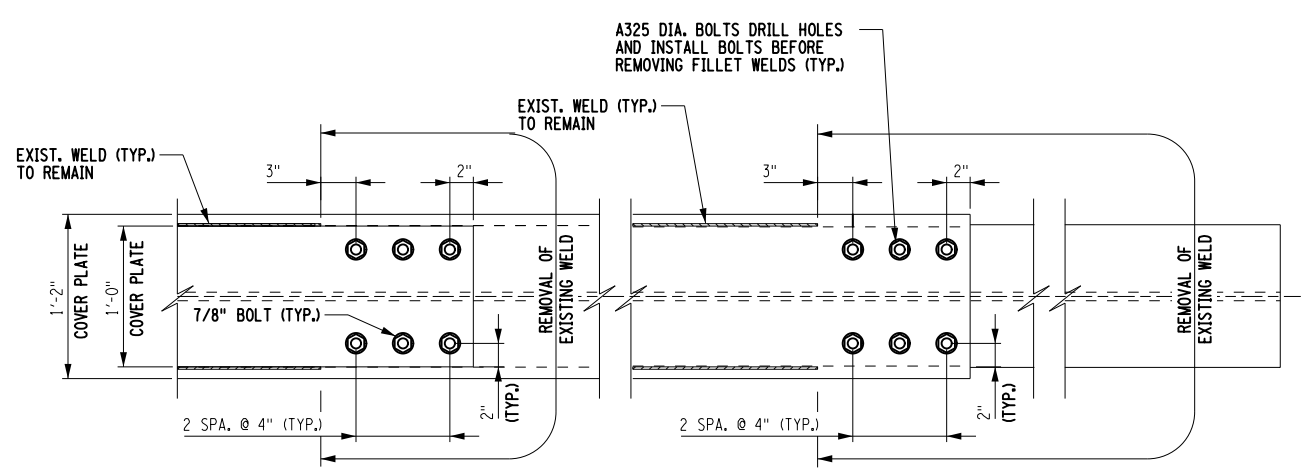
PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: D. LEVINE



SECTION B-B



END BOLTING EXISTING PARTIAL LENGTH COVER PLATES
SCALE: 3/4" = 1'-0"



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

COVER PLATE NOTES:

- ALL WORK SHOWN ON THIS SHEET, INCLUDING FIELD DRILLING EXISTING STEEL AND STRUCTURAL BOLTING SHALL BE PAID FOR UNDER ITEM 564.7098--25
- UNLESS OTHERWISE INDICATED, BOLTED CONNECTIONS SHALL BE MADE WITH 7/8" DIA. ASTM F3125, GRADE A325 TYPE 1 HIGH-STRENGTH BOLTS AND BE SUPPLIED HOT DIP GALVANIZED. INSTALL AN F436 TYPE 1 HARDENED WASHER, SUPPLIED HOT DIP GALVANIZED UNDER BOTH THE TURNED PART AND AGAINST EXISTING STEEL.

- REPAIR AND TESTING PROCEDURE:
- PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL SPECIFICATION 564.7098XX25 AS WELL AS THE PROCEDURE BELOW.
- REMOVE EXISTING PAINT AND RUST AT LEAST 6" AROUND THE WORK AREA AS INDICATED ON THE PLANS.
 - LAYOUT BOLT HOLES AS INDICATED ON THE PLANS AND INSTALL THE BOLTS.
 - BOLTS SHALL BE INSTALLED BY "TURN OF THE NUT" METHOD PER NYSSCM.
 - 3" PAST THE CENTER LINE OF THE LAST BOLT. THE CONTRACTOR SHALL SUBMIT A WELD REMOVAL PROCEDURE TO THE NYSTA METALS UNIT FOR APPROVAL.
 - PERFORM MAGNETIC PARTICLE INSPECTION ON ALL WELD REMOVAL AREAS.
 - SEAL AND PAINT AREAS AS INDICATED ON THE PLANS.
 - CONTRACTOR SHALL SUBMIT A WELD REMOVAL PROCEDURE TO NYSTA METALS UNIT PRIOR TO ANY WORK BEING PERFORMED.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF I-90 BRIDGE OVER NY 5S & ERIE CANAL TRAIL	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
	TITLE OF DRAWING TYPICAL STEEL DETAILS (SHEET 3 OF 3)	DRAWING NUMBER: ST-31

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE


MOMENT & SHEAR TABLE			CL OF BRGS. BEGIN ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CLOF BRGS. PIER 1	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL OF BRGS. PIER 2	0.1 L3	0.2 L3	0.3 L3	0.4 L3	0.5 L3	0.6 L3	0.7 L3	0.8 L3	0.9 L3	CLOF BRGS. PIER 3	0.1 L4	0.2 L4	0.3 L4	0.4 L4	0.5 L4	0.6 L4	0.7 L4	0.8 L4	0.9 L4	CL OF BRGS. END ABUT		
GIRDERS G1 & G16	D.L.	MOMENT	0	292	522	686	786	821	788	690	525	295	0	292	522	686	786	821	788	690	525	295	0	292	522	686	786	821	788	690	525	295	0	292	522	686	786	821	788	690	525	295	0		
		SHEAR	40	32	24	16	8	0	-8	-16	-25	-32	-41	40	32	24	16	8	0	-8	-16	-25	-32	-41	40	32	24	16	8	0	-8	-16	-25	-32	-41	40	32	24	16	8	0	-8	-16	-25	-32
	S.D.L.	MOMENT	0	108	195	258	300	318	304	269	204	112	0	108	195	258	300	318	304	269	204	112	0	108	195	258	300	318	304	269	204	112	0	108	195	258	300	318	304	269	204	112	0		
GIRDERS G2 THRU G7 & G10 THRU G15	D.L.	MOMENT	0	440	787	1020	1190	1254	1217	1088	804	485	0	440	787	1020	1190	1254	1217	1088	804	485	0	440	787	1020	1190	1254	1217	1088	804	485	0	440	787	1020	1190	1254	1217	1088	804	485	0		
		SHEAR	62	52	47	41	34	24	16	11	3	1	3	62	52	47	41	34	24	16	11	3	1	3	62	52	47	41	34	24	16	11	3	1	3	62	52	47	41	34	24	16	11	3	1
	S.D.L.	MOMENT	0	327	581	764	874	905	867	756	576	324	0	327	581	764	874	905	867	756	576	324	0	327	581	764	874	905	867	756	576	324	0	327	581	764	874	905	867	756	576	324	0		
GIRDERS G8 & G9	D.L.	MOMENT	0	290	517	680	776	809	776	675	512	285	0	290	517	680	776	809	776	675	512	285	0	290	517	680	776	809	776	675	512	285	0	290	517	680	776	809	776	675	512	285	0		
		SHEAR	40	32	24	16	8	0	-9	-16	-24	-32	-39	40	32	24	16	8	0	-9	-16	-24	-32	-39	40	32	24	16	8	0	-9	-16	-24	-32	-39	40	32	24	16	8	0	-9	-16	-24	-32
	S.D.L.	MOMENT	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0		
GIRDERS G1 & G16	D.L.	MOMENT	0	455	813	1057	1162	1198	1134	968	719	402	0	455	813	1057	1162	1198	1134	968	719	402	0	455	813	1057	1162	1198	1134	968	719	402	0	455	813	1057	1162	1198	1134	968	719	402	0		
		SHEAR	68	54	48	35	29	23	15	9	4	0	-1	68	54	48	35	29	23	15	9	4	0	-1	68	54	48	35	29	23	15	9	4	0	-1	68	54	48	35	29	23	15	9	4	0
	S.D.L.	MOMENT	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0		
GIRDERS G7 & G8	D.L.	MOMENT	0	477	788	1008	1118	1137	1095	960	797	542	0	477	788	1008	1118	1137	1095	960	797	542	0	477	788	1008	1118	1137	1095	960	797	542	0	477	788	1008	1118	1137	1095	960	797	542	0		
		SHEAR	74	59	53	42	34	23	17	6	0	0	74	59	53	42	34	23	17	6	0	0	74	59	53	42	34	23	17	6	0	0	74	59	53	42	34	23	17	6	0	0			
	S.D.L.	MOMENT	0	327	581	764	874	905	867	756	576	324	0	327	581	764	874	905	867	756	576	324	0	327	581	764	874	905	867	756	576	324	0	327	581	764	874	905	867	756	576	324	0		
GIRDERS G2 THRU G7 & G10 THRU G15	D.L.	MOMENT	0	455	813	1057	1162	1198	1134	968	719	402	0	455	813	1057	1162	1198	1134	968	719	402	0	455	813	1057	1162	1198	1134	968	719	402	0	455	813	1057	1162	1198	1134	968	719	402	0		
		SHEAR	68	54	48	35	29	23	15	9	4	0	-1	68	54	48	35	29	23	15	9	4	0	-1	68	54	48	35	29	23	15	9	4	0	-1	68	54	48	35	29	23	15	9	4	0
	S.D.L.	MOMENT	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0	115	206	273	307	319	303	259	193	107	0		

DESIGN LOAD TABLE		UNIT	LOAD K/ft.
GIRDERS G1 & G16	D.L.	GIRDER	0.213
		DIAPHRAMS	0.348
S.D.L.	D.L.	HAUNCH	0.106
		SLAB	0.742
		TOTAL	1.419
S.D.L.	S.D.L.	BARRIER	0.6
		F.W.S.	0.119
		SNOW FENCE	0.007
		TOTAL	.726

DESIGN LOAD TABLE		UNIT	LOAD K/ft.
GIRDERS G7 & G8	D.L.	GIRDER	0.213
		DIAPHRAMS	0.348
S.D.L.	D.L.	HAUNCH	0.097
		SLAB	0.713
		TOTAL	1.371
S.D.L.	S.D.L.	BARRIER	0.6
		F.W.S.	0.113
		TOTAL	0.713


DESIGN LOAD TABLE		UNIT	LOAD K/ft.
GIRDERS G2 THRU G7 & G10 THRU G15	D.L.	GIRDER	0.234
		DIAPHRAMS	0.696
S.D.L.	D.L.	HAUNCH	0.036
		SLAB	0.891
		TOTAL	1.857
S.D.L.	S.D.L.	F.W.S.	0.118
		TOTAL	0.118

ASSUME LIVE LOAD = HL-93 FOR LRFD (HS-25 FOR LFD)

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

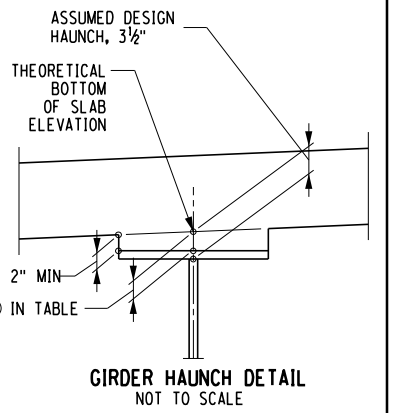
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING MOMENT & SHEAR TABLES	DRAWING NUMBER: ST-32	

PW/ D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DESIGNED BY: J.P. O'LOUGHLIN
PW/ D. LEVINE
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DESIGNED BY: J.P. O'LOUGHLIN

Table with columns for HAUNCH TABLE, CL OF BRGS. BEGIN ABUT., 0.1 L1 to 0.9 L1, CL OF BRGS. PIER 1, CL OF BRGS. PIER 2, 0.1 L2 to 0.9 L2, CL OF BRGS. PIER 3, CL OF BRGS. PIER 3, 0.1 L4 to 0.9 L4, CL OF END ABUT. Rows include GIRDERS G1 through G16 with sub-rows A, B, C, D, E for each girder.



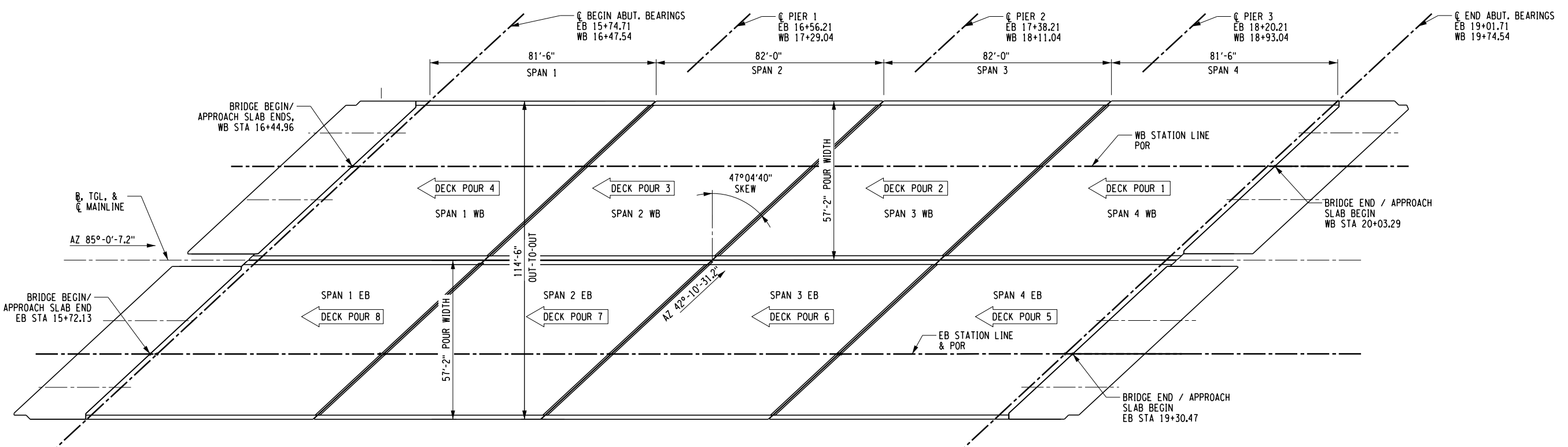
ALTERED ON: AFFIXED ON: 12/10/2024
SIGNATURE: DANIEL A. LEVINE
STAMP: [Professional Engineer Seal for Daniel A. Levine, State of New York, License No. 097330]

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

REVISIONS table with columns: DATE, DESCRIPTION, BY, SYM.

NEW YORK STATE Thruway Authority
PARSONS

TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S
LOCATION OF PROJECT: ALBANY DIVISION MP 178.38
TITLE OF DRAWING: HAUNCH TABLES
CONTRACT NUMBER: TAA 25-06B
DATE: 12/11/2024
DRAWING NUMBER: ST-33



DECK POUR SEQUENCE
SCALE: 1" = 40'-0"


NOTES:

- CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY ORDER THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN ENGINEER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.
- LONGITUDINAL CONSTRUCTION JOINTS WILL NOT BE PERMITTED.
- THE CONTRACTOR SHALL OPERATE FINISHING MACHINE AS CLOSE TO THE SKEW AS PRACTICABLE FOR SKEW ANGLES BETWEEN 0° AND 35°. WHEN THE SKEW ANGLE IS GREATER THAN 35° THE FINISHING MACHINE(S) SHALL BE OPERATED AT A MAXIMUM SKEW ANGLE OF 35°.
- WET BURLAP CURING BLANKETS ARE REQUIRED TO BE PLACED ON THE CONCRETE DECK WITHIN 30 MINUTES OF THE CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING, WHICHEVER COMES FIRST. THE PLACEMENT OF THE TURF DRAG TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.
- IN THE EVENT THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S OWN DECISION OR BY ORDER OF THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

← DECK POUR X - INDICATES CONCRETE PLACEMENT NUMBER


CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	140 CY	557.1119
2	140 CY	557.1119
3	140 CY	557.1119
4	140 CY	557.1119
5	140 CY	557.1119
6	140 CY	557.1119
7	140 CY	557.1119
8	140 CY	557.1119

PW:/
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

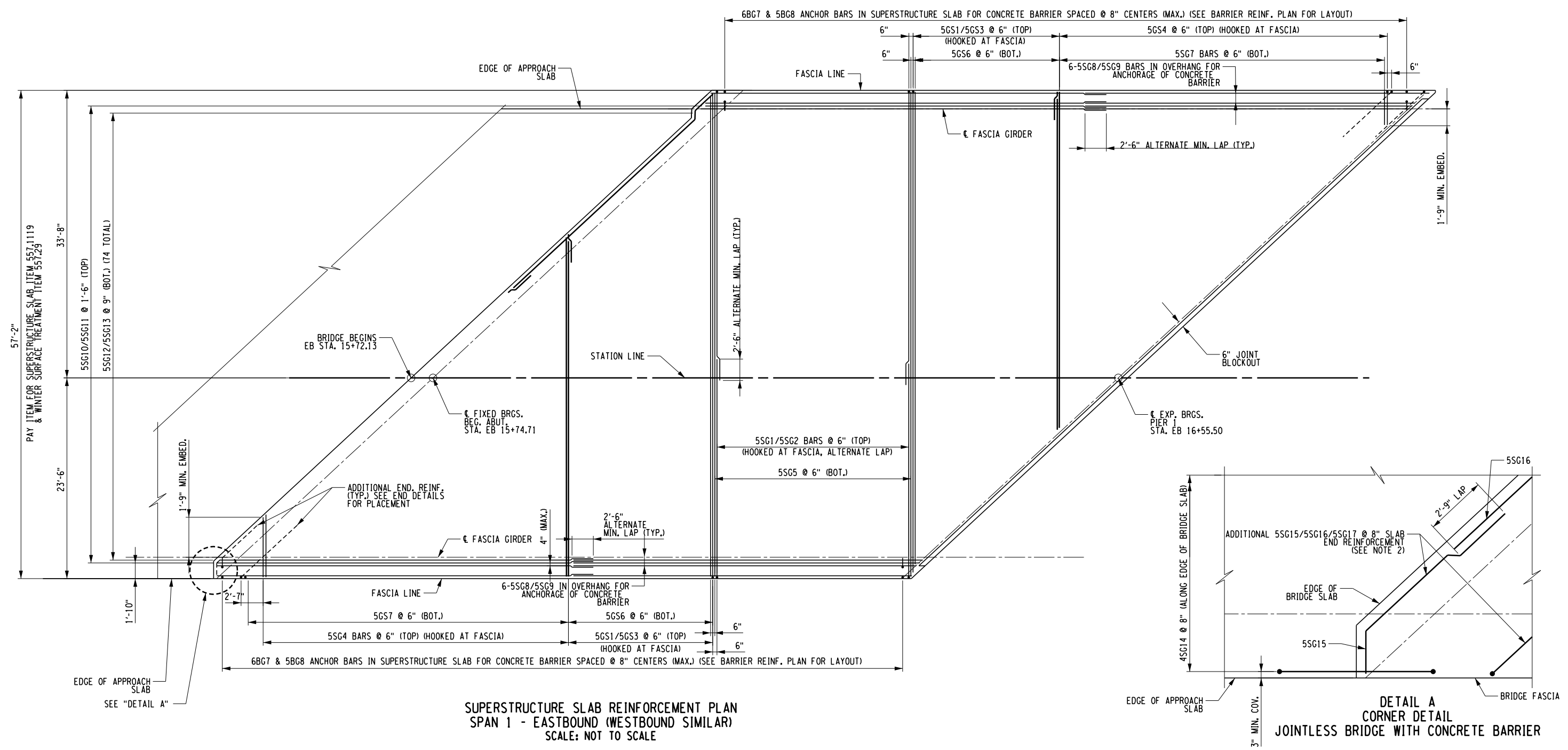
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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.

 PARSONS	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING SUPERSTRUCTURE SLAB PLACEMENT PLAN		DRAWING NUMBER: ST-34

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



**SUPERSTRUCTURE SLAB REINFORCEMENT PLAN
SPAN 1 - EASTBOUND (WESTBOUND SIMILAR)
SCALE: NOT TO SCALE**

**DETAIL A
CORNER DETAIL
JOINTLESS BRIDGE WITH CONCRETE BARRIER**

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: _____
 SIGNATURE: DANIEL A. LEVINE
 STAMP: _____

SUPERSTRUCTURE SLAB TABLE			
SPAN #	SUPERSTRUCTURE SLAB (SY) ITEM 557.1119 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01
SPAN 1	520	520	7765

QUANTITIES FOR EASTBOUND SHOWN, WESTBOUND SIMILAR.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

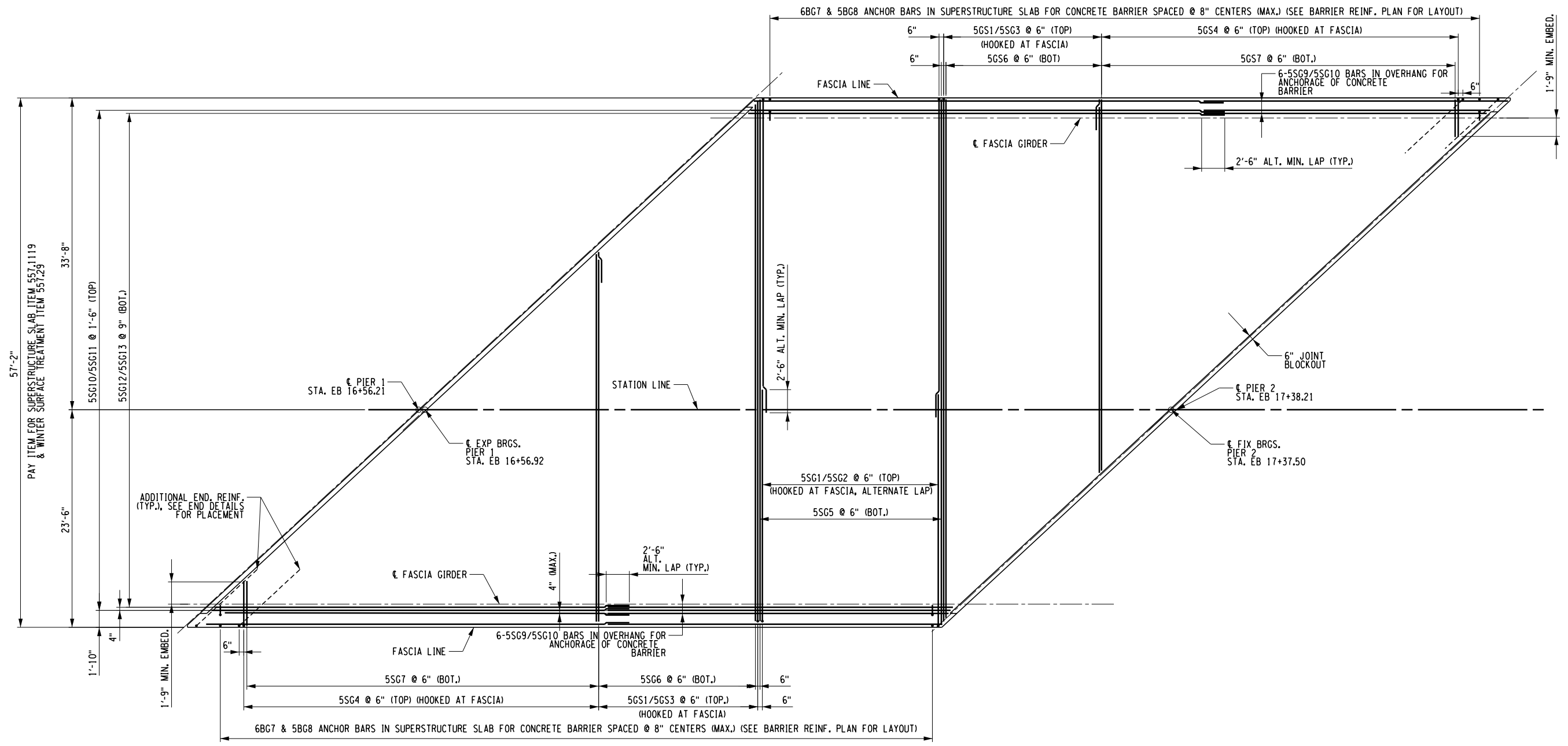
PARSONS

NOTES:


- ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED.
- FOR ADDITIONAL SLAB END REINFORCEMENT, SEE DWG. NO. ST-38.
- FOR SUPERSTRUCTURE SLAB DETAILS, SEE DWG. NO. ST-39, ST-40.
- FOR BARRIER REINFORCEMENT PLAN AND DETAILS, SEE DWG. NO. ST-43 THROUGH ST-47.
- FOR APPROACH SLAB PLAN AND DETAILS, SEE DWG. NO. ST-41 AND ST-42.

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING SUPERSTRUCTURE SLAB REINFORCEMENT PLAN (SHEET 1 OF 4)	DRAWING NUMBER: ST-35

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



SUPERSTRUCTURE SLAB REINFORCEMENT PLAN
SPAN 2 - EASTBOUND (WESTBOUND SIMILAR)
(SPAN 3 SIMILAR)
SCALE: NOT TO SCALE

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
---	--

SUPERSTRUCTURE SLAB TABLE			
SPAN #	SUPERSTRUCTURE SLAB (SY) ITEM 557.1119 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01
SPAN 2	525	525	7815
SPAN 3	525	525	7815

QUANTITIES FOR EASTBOUND SHOWN, WESTBOUND SIMILAR.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



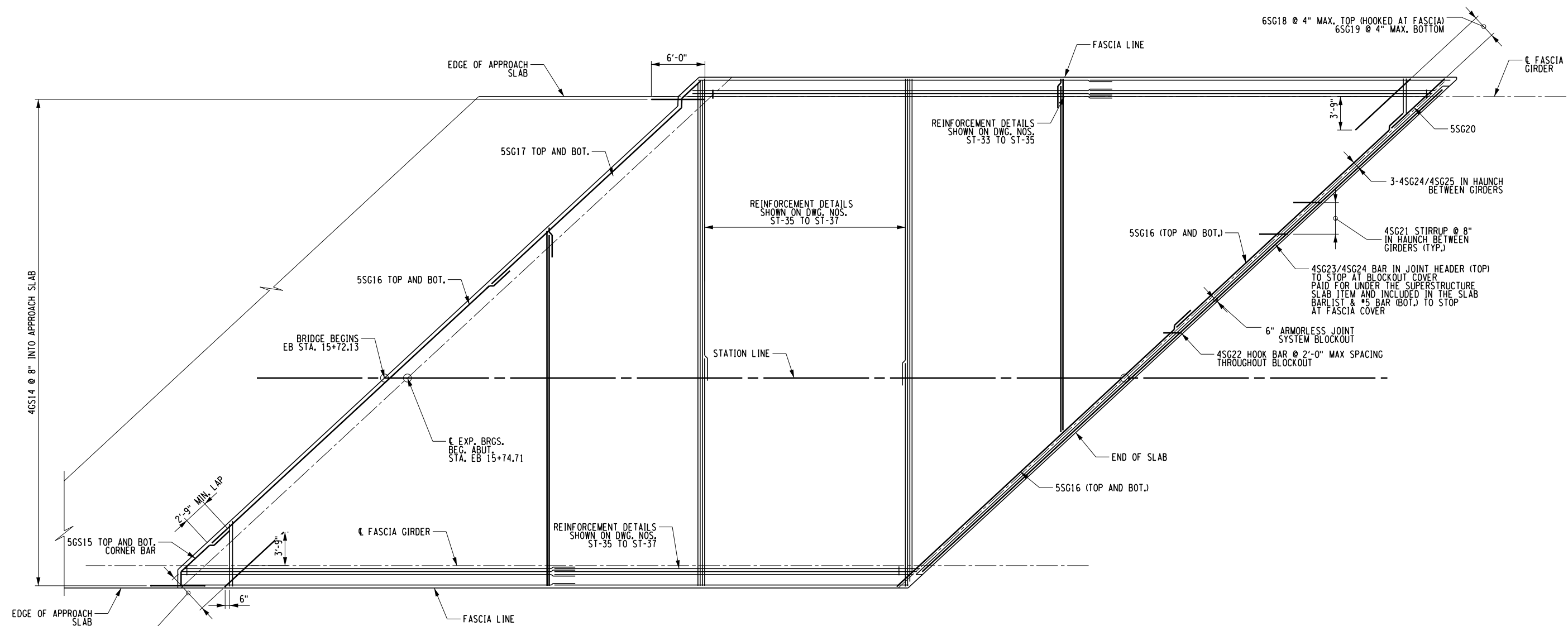
PARSONS

NOTES:

- ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED.
- FOR ADDITIONAL SLAB END REINFORCEMENT, SEE DWG. NO. ST-38.
- FOR SUPERSTRUCTURE SLAB DETAILS, SEE DWG. NO. ST-39, ST-40.
- FOR BARRIER REINFORCEMENT PLAN AND DETAILS, SEE DWG. NO. ST-43 THROUGH ST-47.
- FOR APPROACH SLAB PLAN AND DETAILS, SEE DWG. NO. ST-41 AND ST-42.

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING SUPERSTRUCTURE SLAB REINFORCEMENT PLAN (SHEET 2 OF 4)	DRAWING NUMBER: ST-36


PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE



6GS18 @ 4" TOP (HOOKED AT FASCIA) & 5GS19 @ 4" BOTTOM

ADDITIONAL REINFORCEMENT AT SLAB ENDS
(SPAN 1 SHOWN; SPAN 2, 3, & 4 SIMILAR)
SCALE: NOT TO SCALE

- NOTES:
- ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED.
 - FOR DETAILS OF STANDARD SLAB REINFORCEMENT SEE DWG. NO. ST-35, 36, & 37.
 - FOR SUPERSTRUCTURE SLAB DETAILS, SEE DWG. NO. ST-39, ST-40.
 - FOR BARRIER REINFORCEMENT PLAN AND DETAILS, SEE DWG. NO. ST-43 THROUGH ST-47.
 - FOR APPROACH SLAB PLAN AND DETAILS, SEE DWG. NO. ST-41 AND ST-42.

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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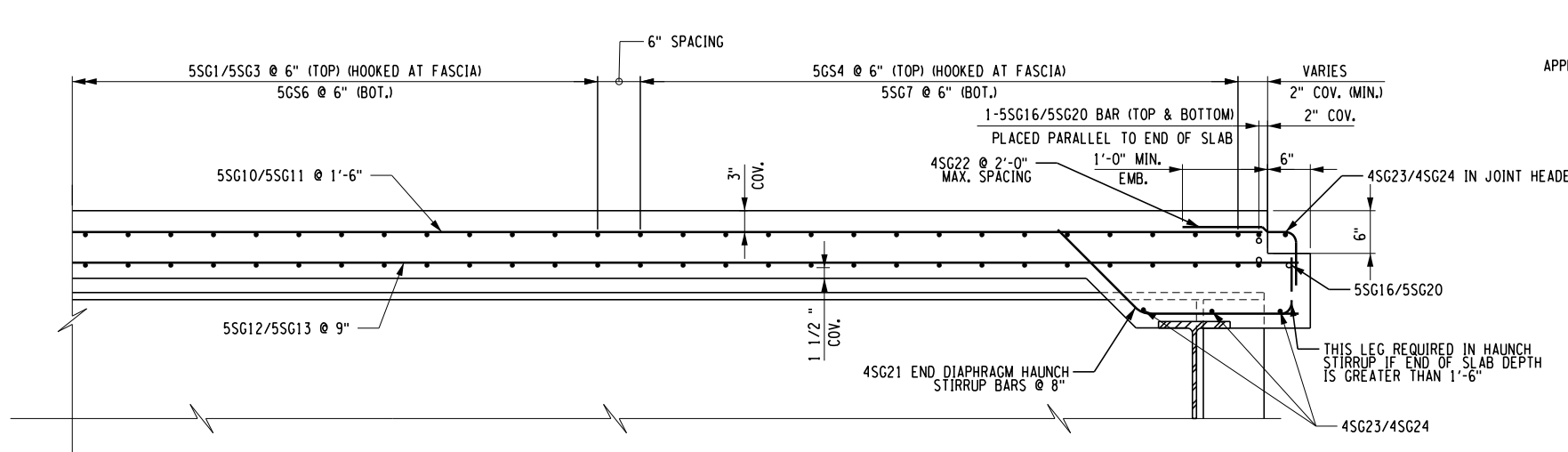
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



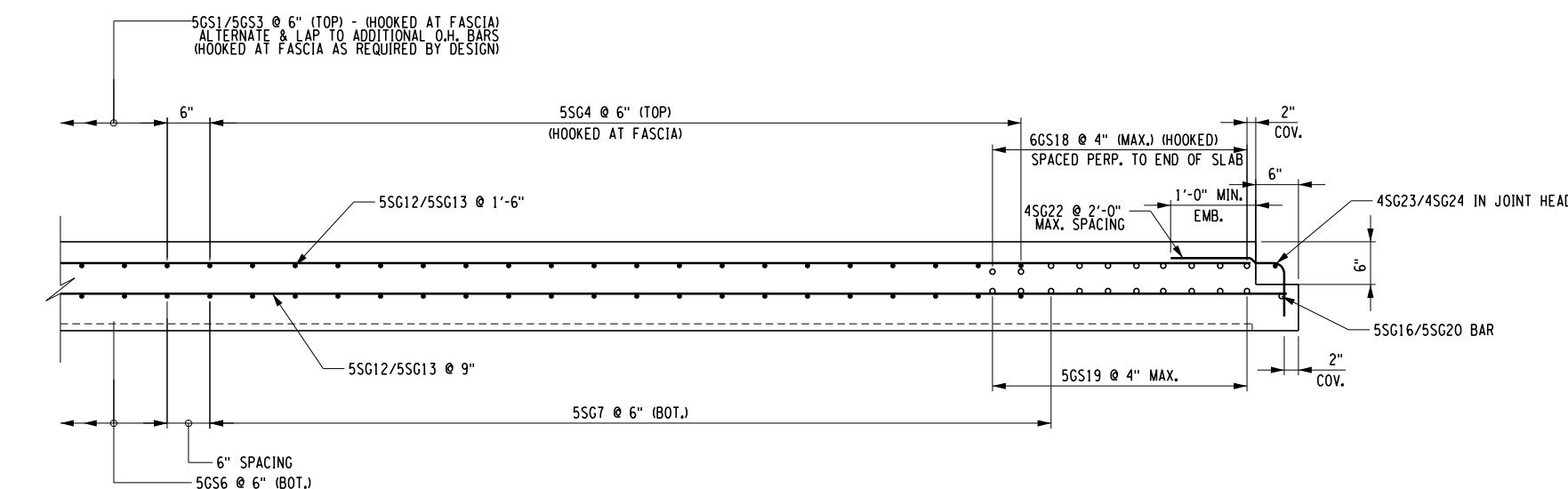
PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING SUPERSTRUCTURE SLAB REINFORCEMENT PLAN (SHEET 4 OF 4)	DRAWING NUMBER: ST-38

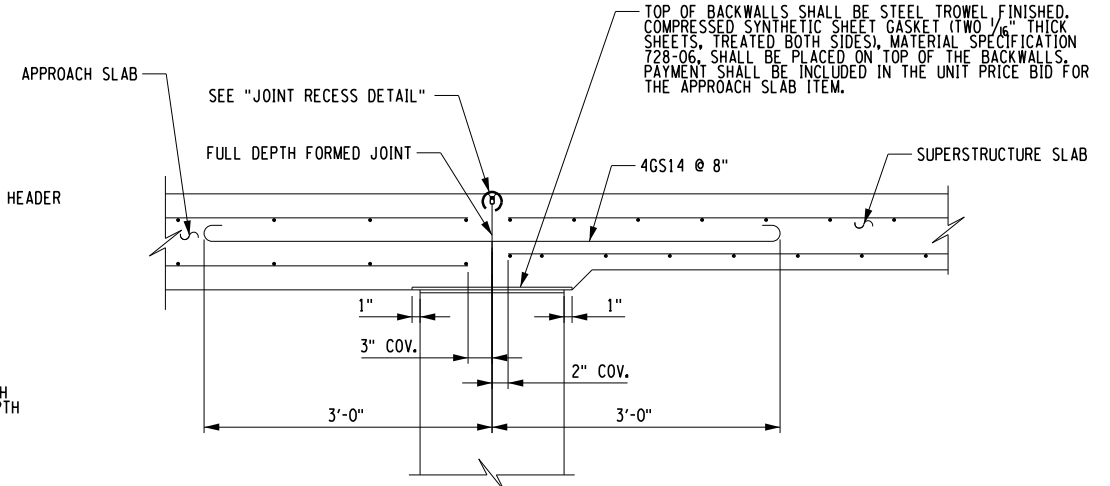
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



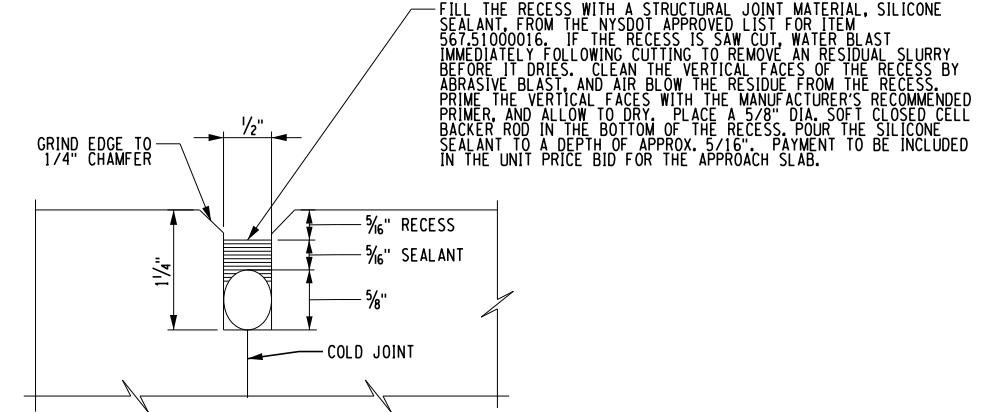
SLAB REINFORCEMENT AT JOINT
SCALE: NOT TO SCALE



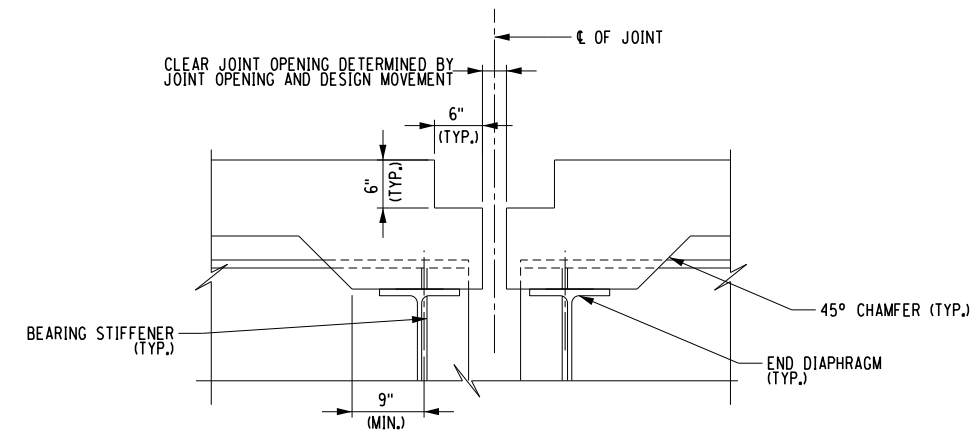
SLAB REINFORCEMENT NEAR FASCIA
SCALE: NOT TO SCALE



REINFORCEMENT FOR JOINTLESS ABUTMENTS
SCALE: NOT TO SCALE



JOINT RECESS DETAIL
SCALE: NOT TO SCALE



END DIAPHRAGM HAUNCH DETAIL
ARMORLESS JOINTS
SCALE: NOT TO SCALE

- NOTES:
1. ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED.
 2. FOR DETAILS OF STANDARD SLAB REINFORCEMENT SEE DWG. NO. ST-35 THROUGH ST-38.

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S

LOCATION OF PROJECT: ALBANY DIVISION MP 178.38

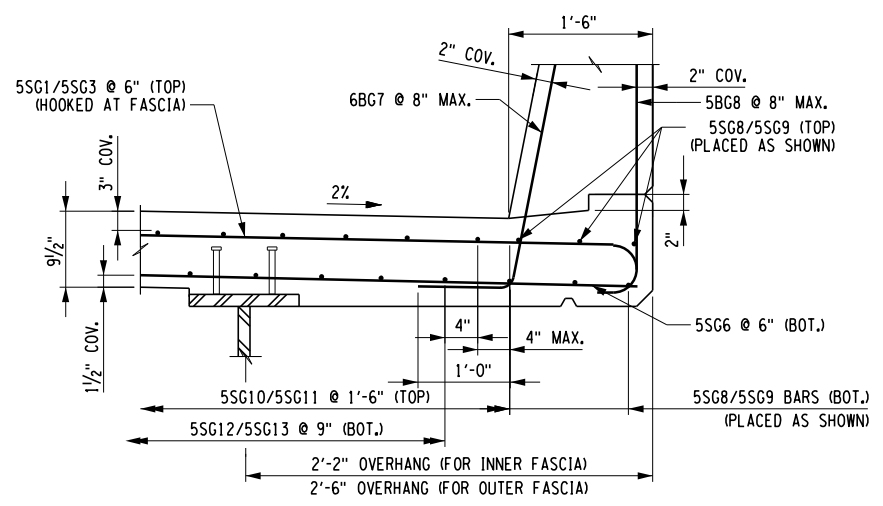
TITLE OF DRAWING: SUPERSTRUCTURE SLAB JOINT DETAILS

CONTRACT NUMBER: TAA 25-06B

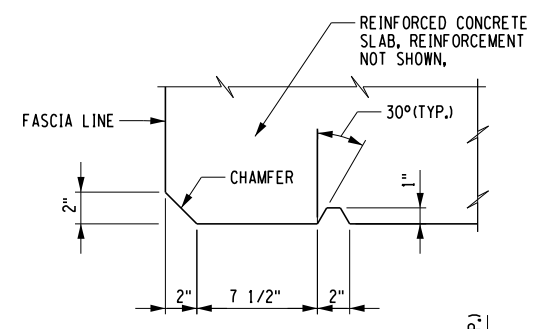
DATE: 12/11/2024

DRAWING NUMBER: ST-39

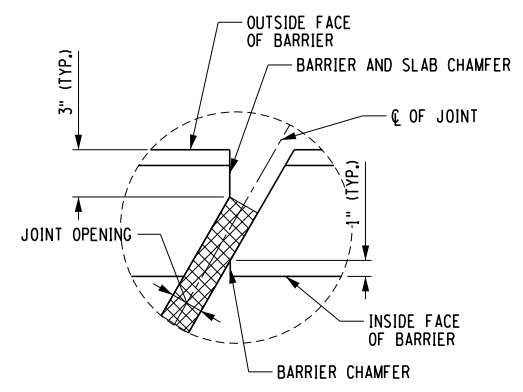
PWZ/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



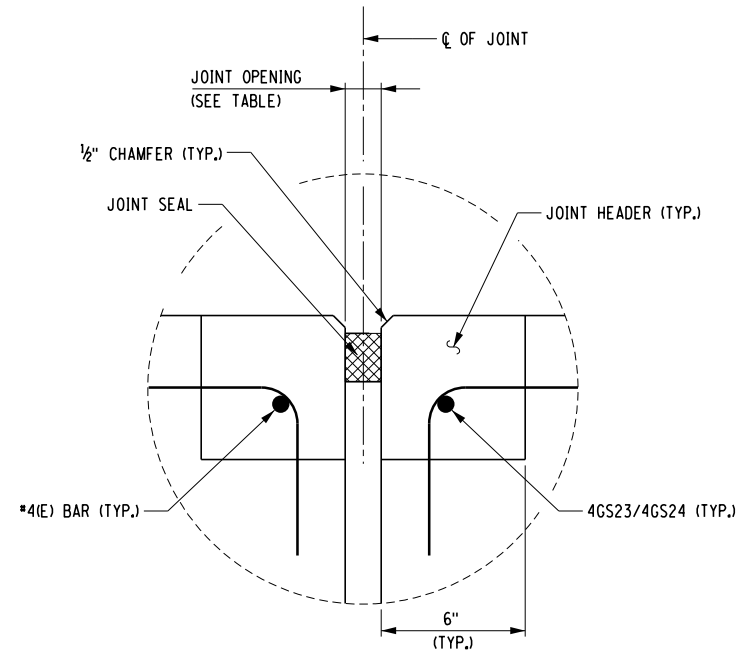
CONCRETE BARRIER FASCIA DETAIL
SCALE: NOT TO SCALE



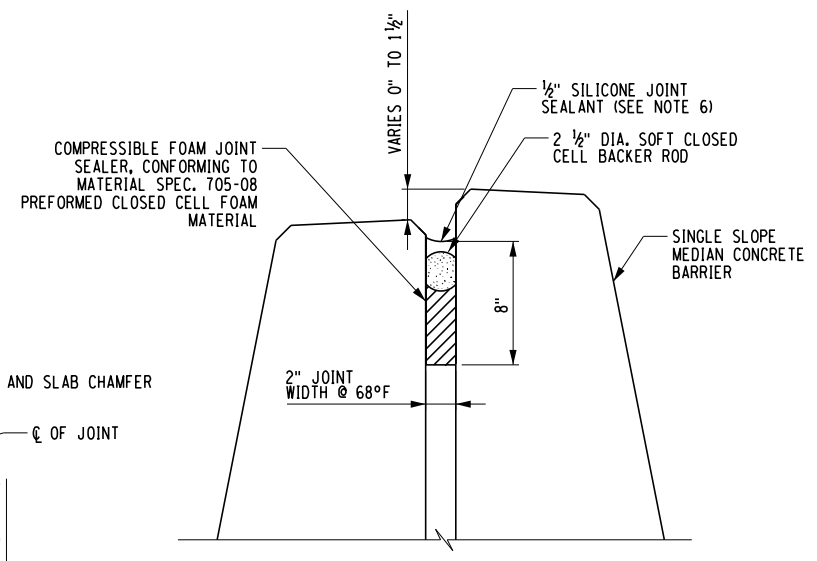
DRIP GROOVE DETAIL
SCALE: NOT TO SCALE



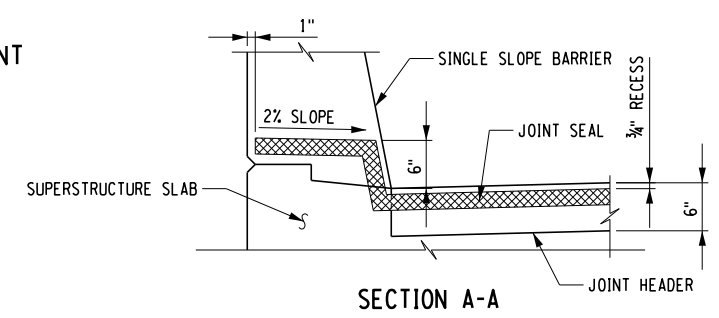
**DETAIL "C"
ARMORLESS BRIDGE JOINT
CORNER DETAIL**



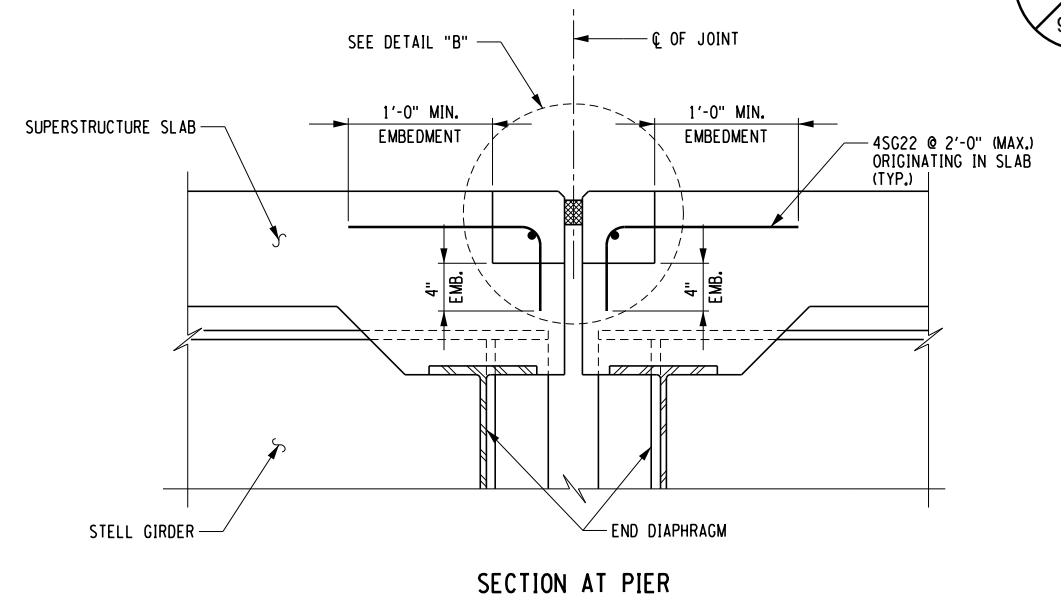
**DETAIL "B"
ARMORLESS BRIDGE JOINT SECTION
AT PIER**



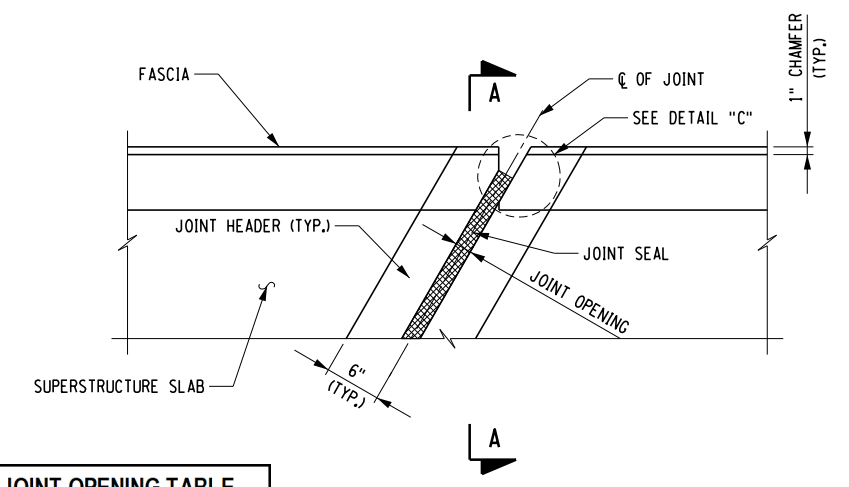
LONGITUDINAL BRIDGE JOINT DETAIL
SCALE: NOT TO SCALE



SECTION A-A



SECTION AT PIER



PARTIAL PLAN

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

NOTES:
 MIN. OPENING (IN.) = 1
 MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.75
 TOTAL MOVEMENT (IN.) = 1

- NOTES:
- COMPONENTS FOR MEDIAN BARRIER SHALL MEET THE MATERIAL REQUIREMENTS OF NYS DOT STANDARD SPECIFICATIONS 606.
 - FOR DECK SLAB REINFORCEMENT, SEE DWG ST-35 THROUGH ST-38.
 - FOR SINGLE SLOPE CONCRETE BRIDGE BARRIER DETAILS, SEE DWG. ST-43 THROUGH ST-47.
 - FOR PROTECTIVE SCREENING (SNOW FENCE) DETAILS, SEE DWG. ST-50.
 - FOR BRIDGE DECK STRIPING ITEMS, SEE DWG. ST-26.
 - FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT FROM THE DEPARTMENT'S APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THOSE SEALANTS THAT REQUIRE A PRIMER, THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL ONLY BE PERFORMED WHEN THE CONCRETE TEMPERATURE IS 40°F OR ABOVE. BOTH JOINT FACES SHALL BE SAND BLASTED TO ROUGHEN THE SURFACE AND TO REMOVE ALL SURFACE MOISTURE AND ANY OTHER MATERIAL THAT MAY INTERFERE WITH BOND.
 - DRIP GROOVE STOPS 3'-0" FROM FACES OF ABUTMENT WITH A 90° TURN TOWARD FASCIA THAT INTERSECTS THE CHAMFER.

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: _____

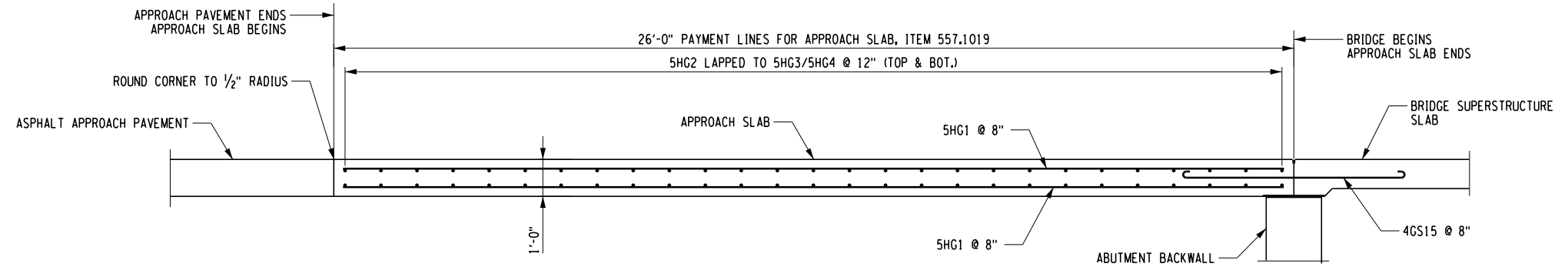
SIGNATURE: DANIEL A. LEVINE STAMP: _____

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.

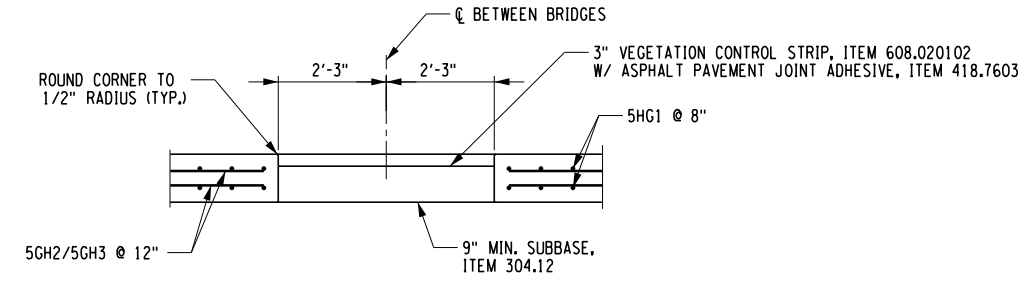
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING SUPERSTRUCTURE SLAB DETAILS	DRAWING NUMBER: ST-40

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE




SECTION A-A
 (BEGIN APPROACH SHOWN, END APPROACH SIMILAR)
 SCALE: 1/4" = 1'-0"



SECTION B-B
 (BEGIN APPROACH SHOWN, END APPROACH SIMILAR)
 SCALE: 1/4" = 1'-0"

NOTES:
 1. ALL REINFORCEMENT SHALL HAVE 3 INCHES OF COVER UNLESS OTHERWISE NOTED.

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE 

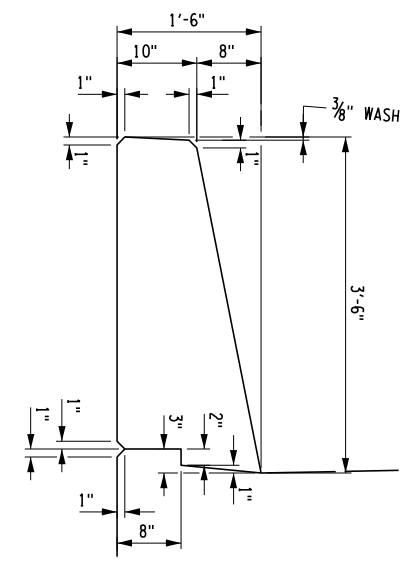
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REVISIONS			
DATE	DESCRIPTION	BY	SYML

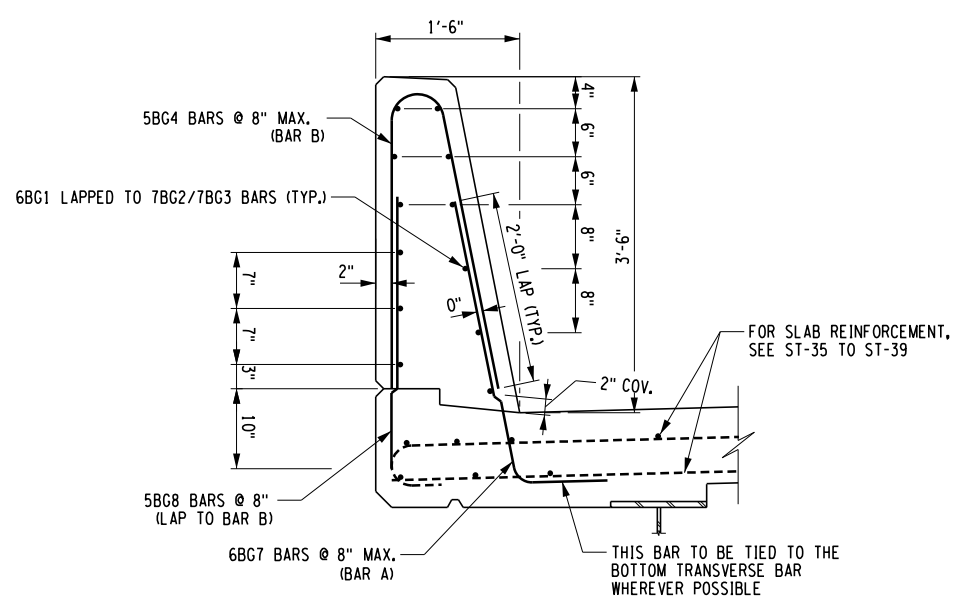



TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING APPROACH SLAB SECTIONS AND DETAILS	DRAWING NUMBER: ST-42

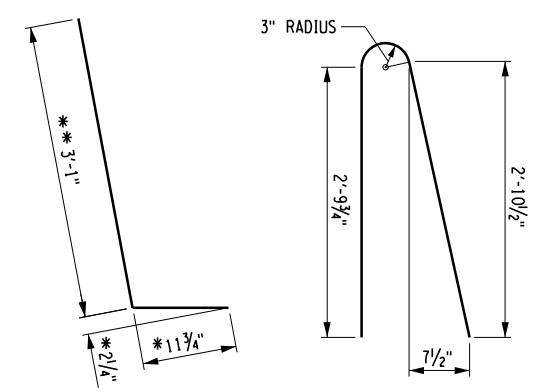
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



TYPICAL SECTION

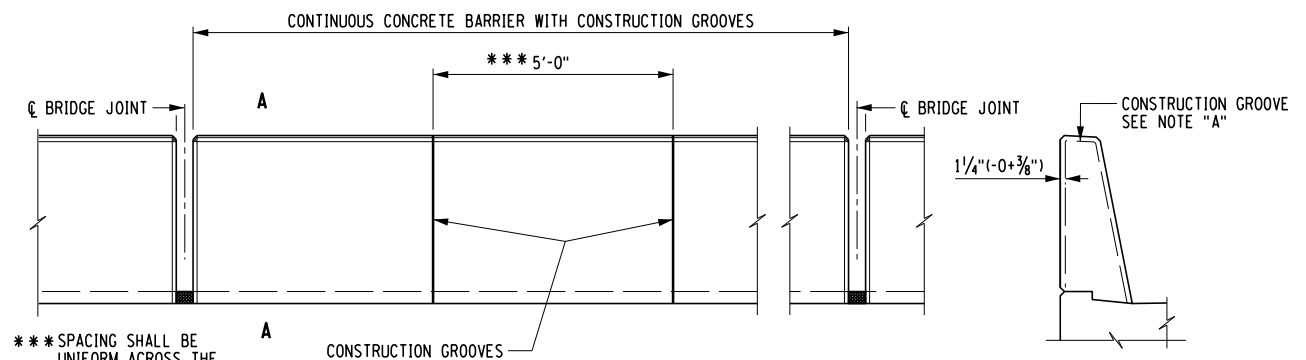


REINFORCEMENT SECTION



BAR A
BAR B
BAR TYPES


NOTE:
ALL BAR DIMENSIONS ARE OUT TO OUT.
ALL RADII ARE TO OUTSIDE OF BAR.





ELEVATION
SECTION A-A
CONCRETE BARRIER GROOVE SPACING

NOTE 1:
 CONSTRUCTION GROOVES SHALL BE MADE BY:
 1. FORMING FOR CAST-IN-PLACE CONSTRUCTED FORMS.
 2. SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORMED.
 3. CUTTING THE PLASTIC CONCRETE.
 COMBINATION OF THESE METHODS MAY BE EMPLOYED.
 THE DEPTH OF THE GROOVES SHALL BE 1/4" (-0 + 3/8").
 FORMED GROOVES SHALL MAKE A 60° ANGLE WITH THE SURFACE.
 CUT GROOVES SHALL BE FINISHED WITH SHALLOW (3/4" ± 1/4") CONSTANT DEPTH 45° CHAMFERS AT THE SURFACE.
 THE LONGITUDINAL REINFORCING BARS FOR THE CONCRETE BARRIERS SHALL BE CONTINUOUS BETWEEN BRIDGE EXPANSION JOINTS. WHERE SPLICES ARE REQUIRED, THE LENGTH OF THE LAP SHALL BE SUFFICIENT TO DEVELOP EACH BAR.

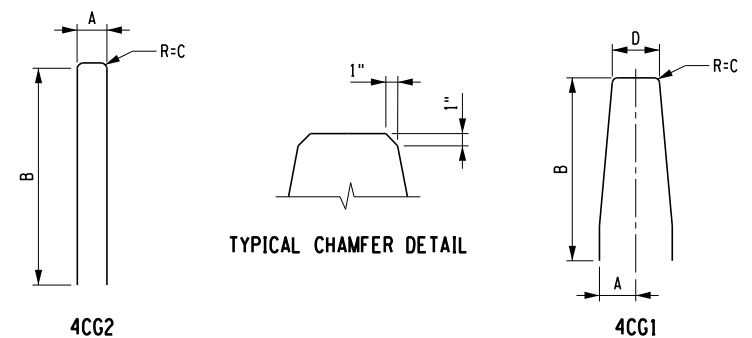
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

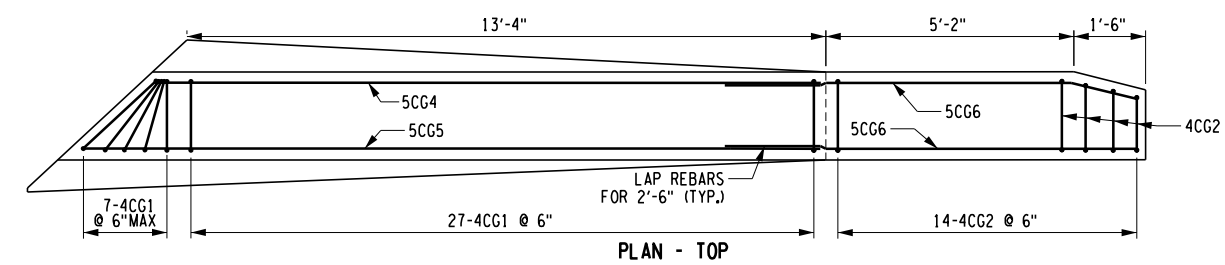
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
	TITLE OF DRAWING CONCRETE BARRIER PLAN AND DETAILS (SHEET 1 OF 3)	DRAWING NUMBER: ST-44

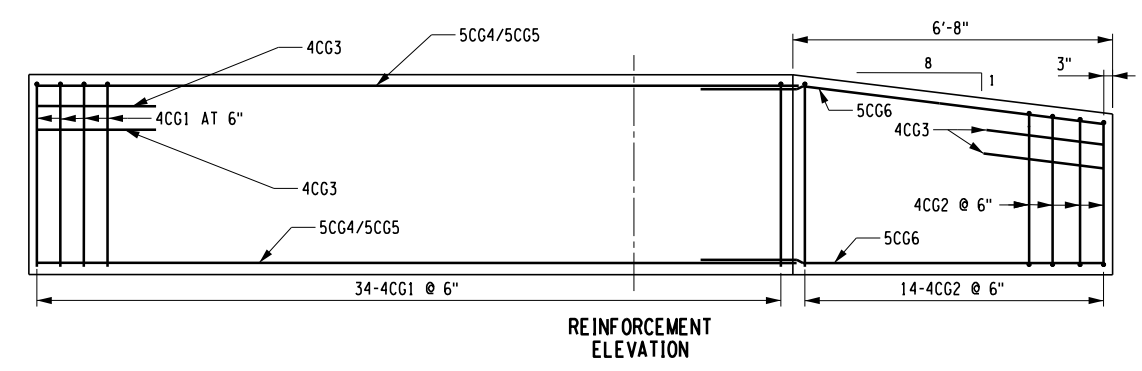
PW/ TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



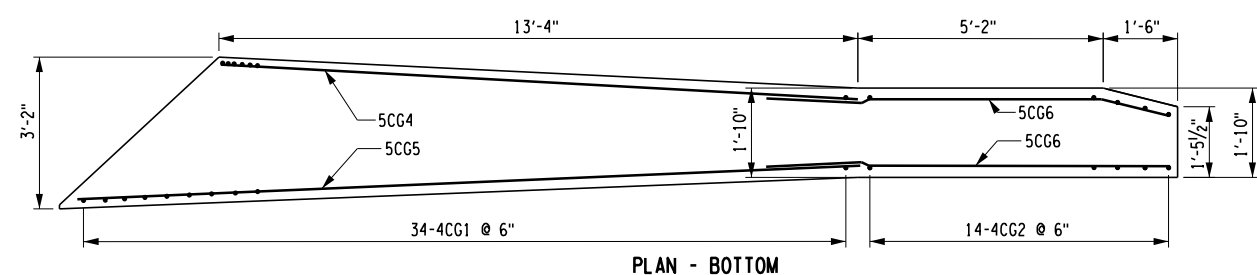
TYPICAL CHAMFER DETAIL



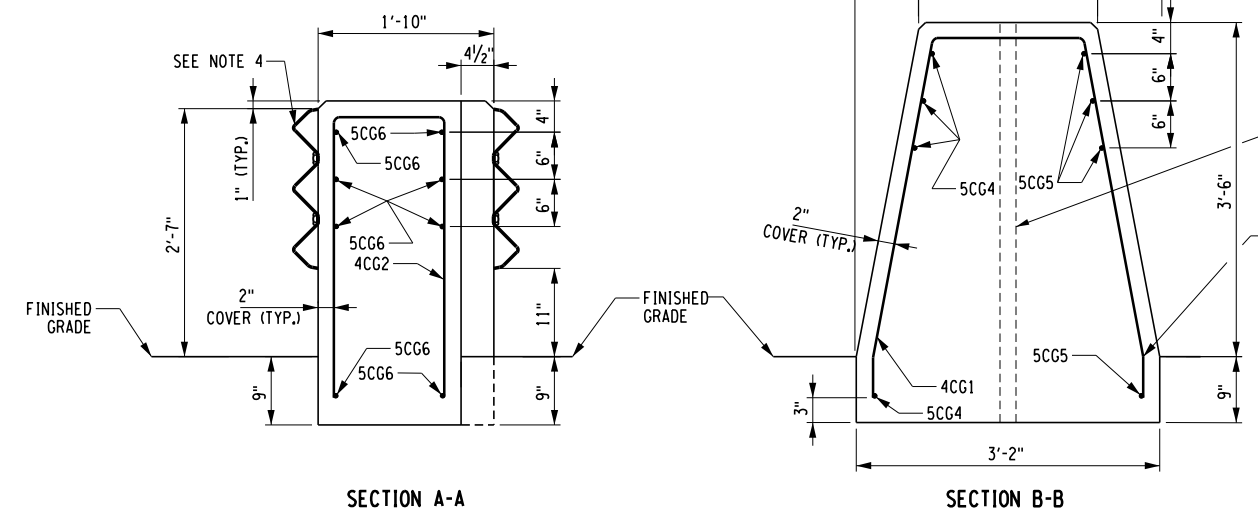
PLAN - TOP



REINFORCEMENT ELEVATION

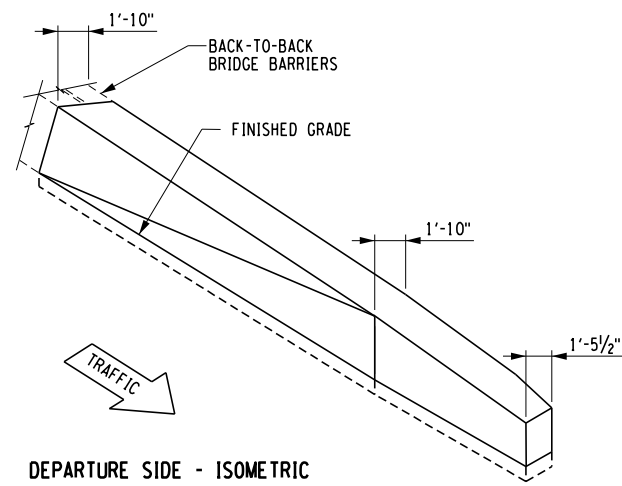


PLAN - BOTTOM

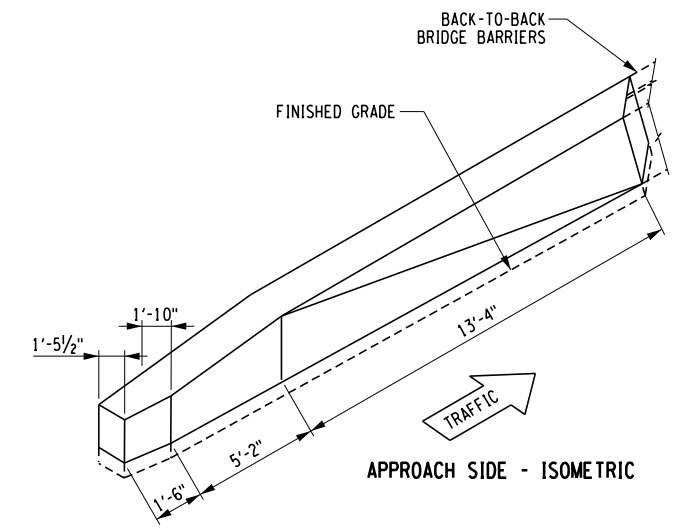


SECTION A-A

SECTION B-B



DEPARTURE SIDE - ISOMETRIC



APPROACH SIDE - ISOMETRIC

- NOTES:
1. VERTICAL AND SLOPING CONCRETE SURFACE SHALL BE SMOOTH.
 2. GRANULAR BACKFILL SHALL CONFORM WITH SECTION 304 AND SHALL MATCH SUBBASE COURSE TYPE USED ON THE ADJACENT ROADWAY.
 3. THE BEND MAY BE ELIMINATED PROVIDED 2" MIN. COVER IS MAINTAINED.

BAR LIST											
MARK	SIZE	NO.	LENGTH	USE	A	B	C	D	H	K	LOCATION
4CG1	#4	34	VARIABLE FROM 6'-11" TO 9'-1 1/2"	STIRRUP	VARIABLE FROM 9" TO 1'-5"	3'-10"	1/2"	1'-6"	—	—	FULL HEIGHT BARRIER SECTION
4CG2	#4	14	VARIABLE FROM 7'-1/2" TO 7'-8 1/2"	STIRRUP	VARIABLE FROM 1'-2" TO 1'-6"	VARIABLE 1'-1 1/2" TO 1'-6"	1/2"	—	—	—	VARYING HEIGHT SECTION
4CG3	#4	8	2'-8"	STRAIGHT	—	—	—	—	—	—	4 AT EACH END
5CG4	#5	4	13'-2"	STRAIGHT	—	—	—	—	—	—	LONGITUDINAL BAR
5CG5	#5	4	16'-7"	STRAIGHT	—	—	—	—	—	—	LONGITUDINAL BAR
5CG6	#5	8	9'-0"	STRAIGHT	—	—	—	—	—	—	LONGITUDINAL BAR

REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 606.8906

ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: DANIEL A. LEVINE

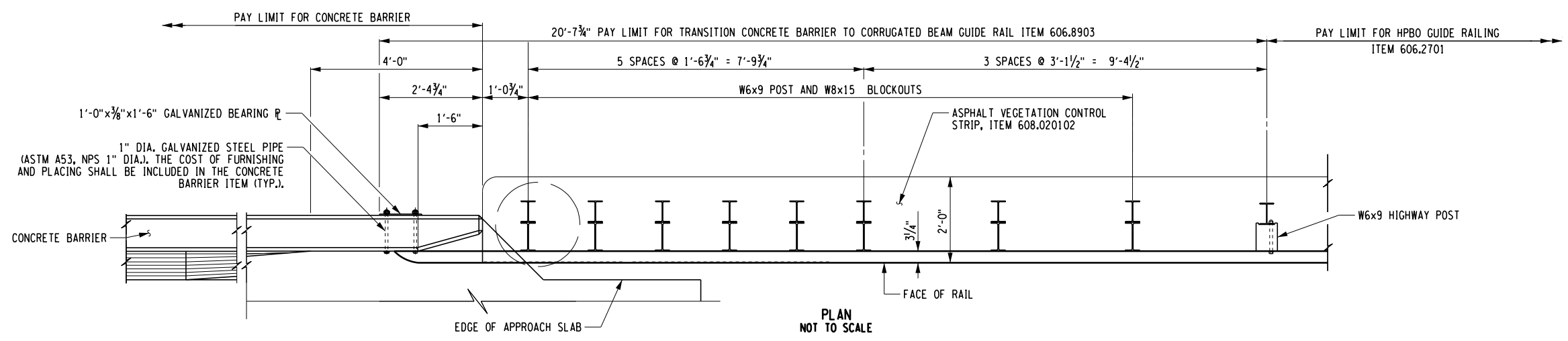
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

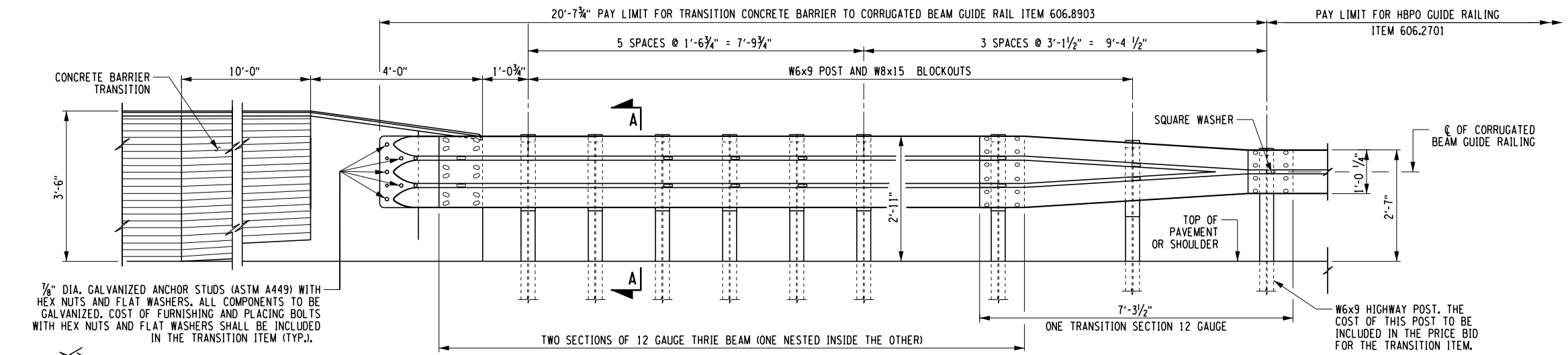
PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING CONCRETE BARRIER PLAN AND DETAILS (SHEET 2 OF 3)	DRAWING NUMBER: ST-45

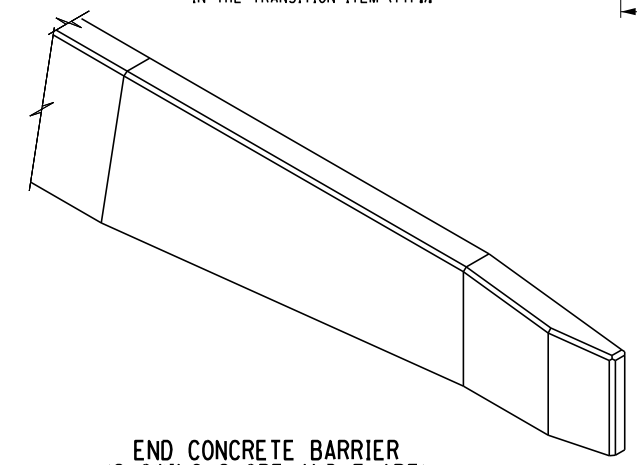
PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



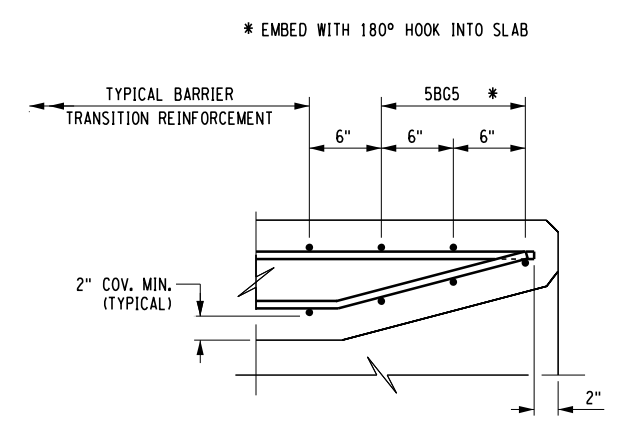
PLAN
NOT TO SCALE



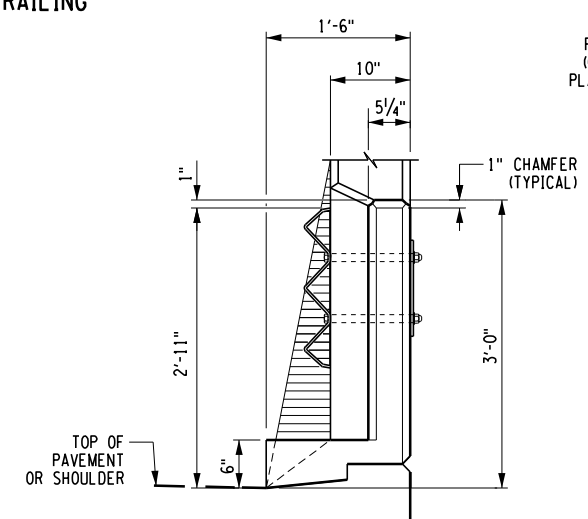
ELEVATION
CONCRETE BARRIER TRANSITION TO CORRUGATED BEAM GUIDE RAILING
NOT TO SCALE



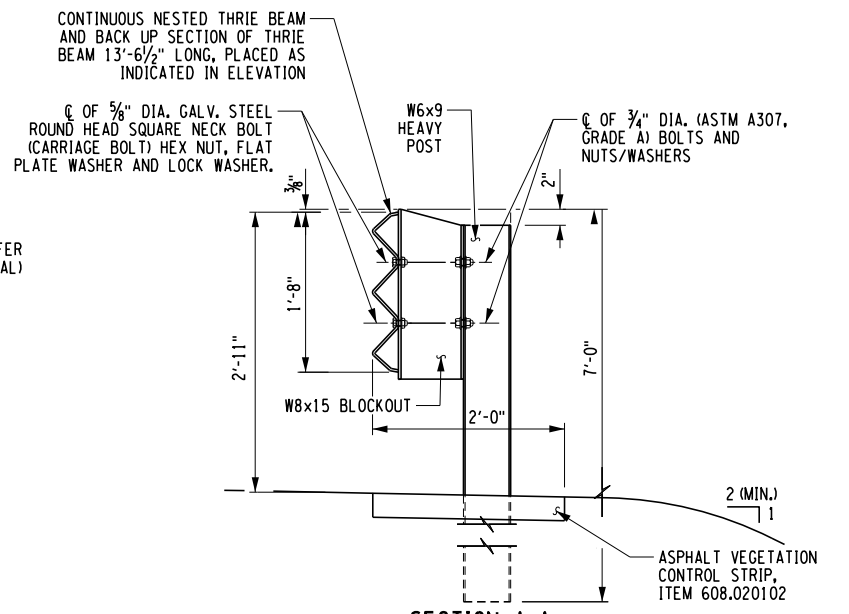
END CONCRETE BARRIER
(SHOWING SLOPE AND FLARE)
NOT TO SCALE



REINFORCEMENT PLAN
(TRANSITION CONCRETE BARRIER END)
NOT TO SCALE



BARRIER END VIEW
NOT TO SCALE



SECTION A-A
POST ELEVATION
APPROACH WITHOUT CURB
NOT TO SCALE

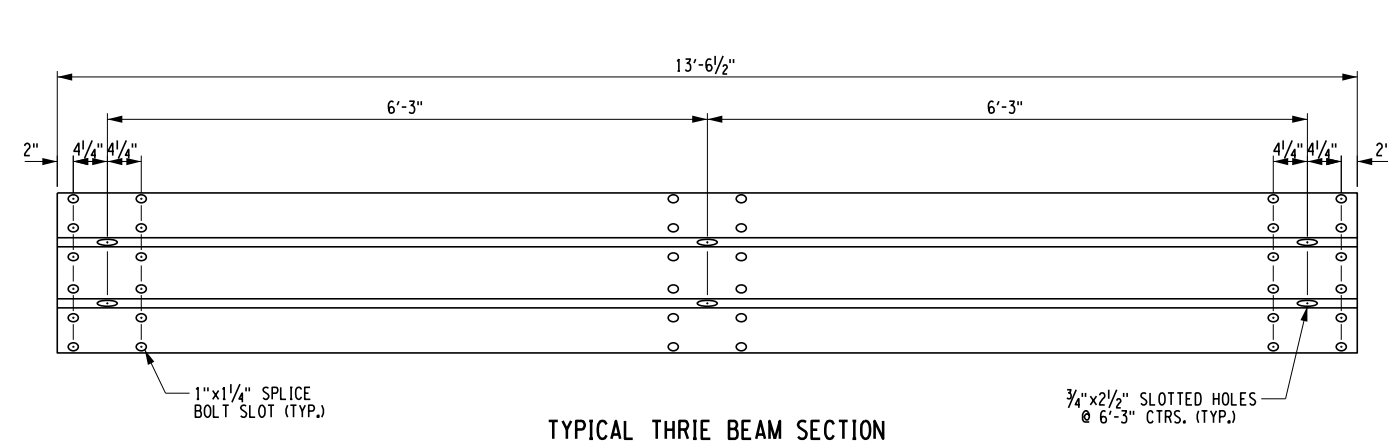
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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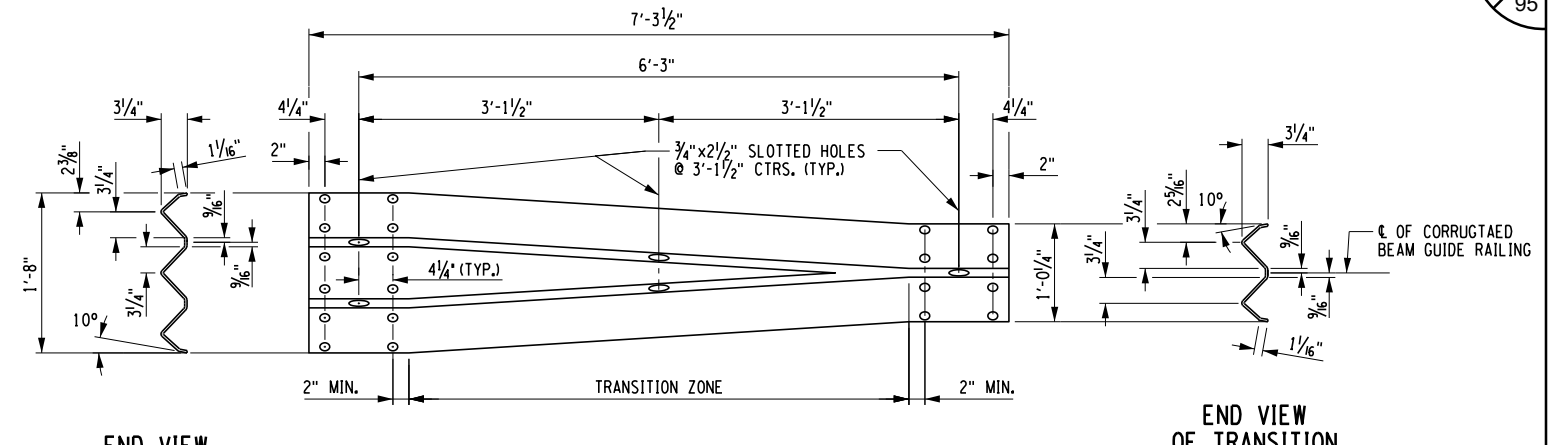
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
	TITLE OF DRAWING APPROACH TRANSITION RAILING DETAILS (SHEET 1 OF 3)	DRAWING NUMBER: ST-47

PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE



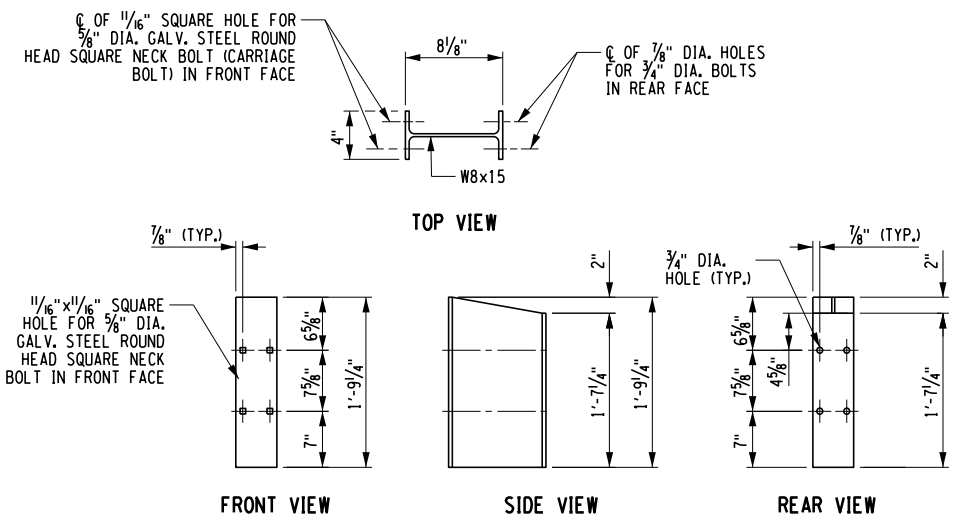
TYPICAL THRIE BEAM SECTION



END VIEW OF TRANSITION

TRANSITION SECTION

END VIEW OF TRANSITION



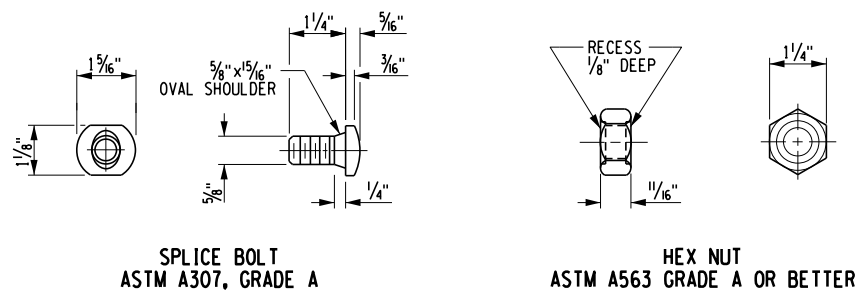
TOP VIEW

FRONT VIEW

SIDE VIEW

REAR VIEW

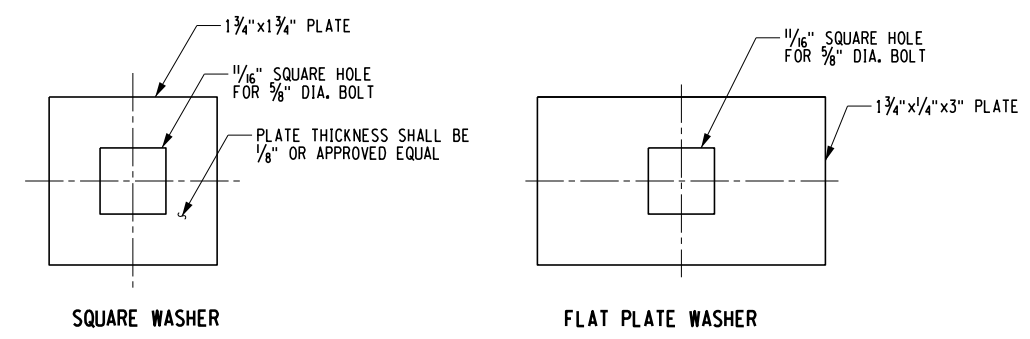
THRIE BEAM BLOCKOUT DETAIL



SPLICE BOLT
ASTM A307, GRADE A

HEX NUT
ASTM A563 GRADE A OR BETTER

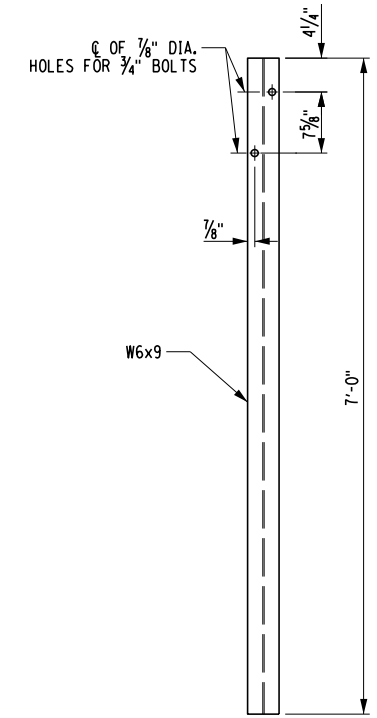
BEAM SPLICE HARDWARE



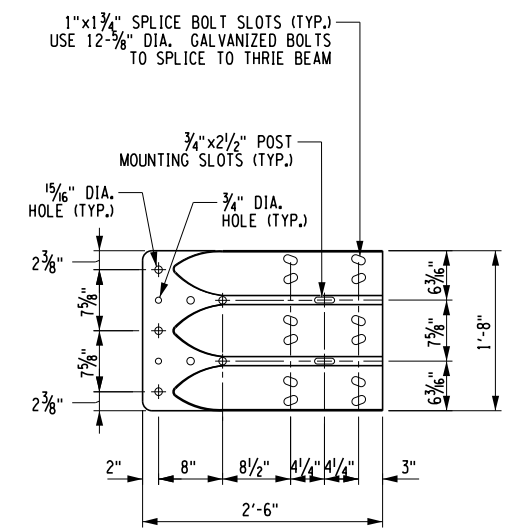
SQUARE WASHER

FLAT PLATE WASHER

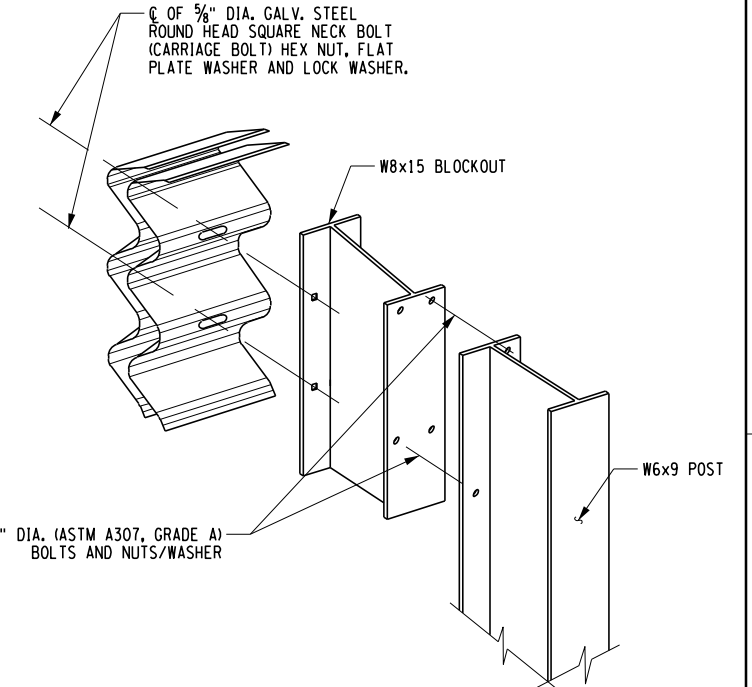
TYPICAL WASHER DETAILS



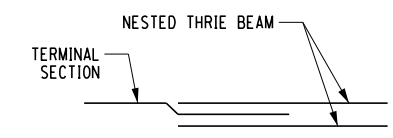
POST DETAIL



MODIFIED TERMINAL CONNECTOR



THRIE BEAM ASSEMBLY



TYPICAL SPLICE LAYOUT

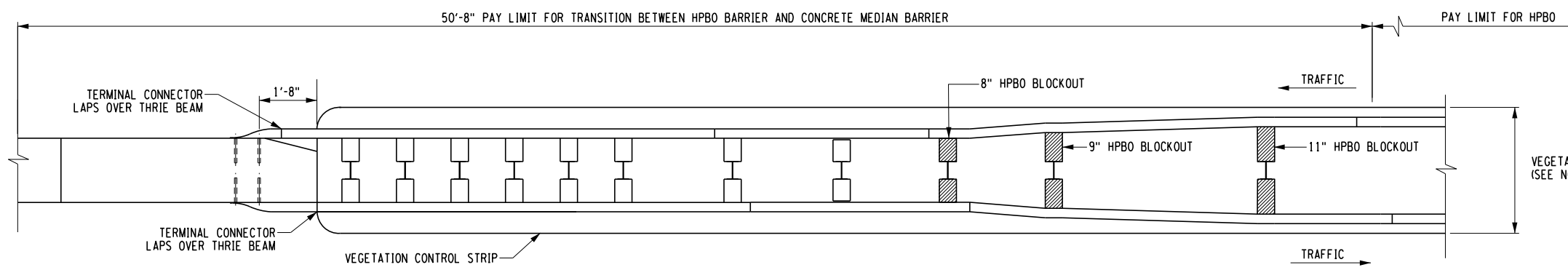
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

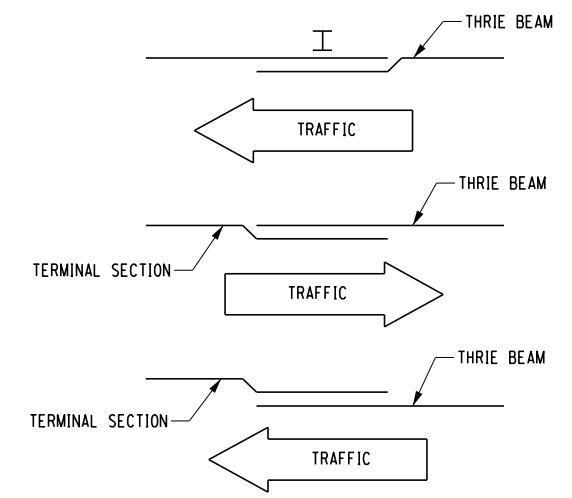
TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING APPROACH TRANSITION RAILING DETAILS (SHEET 2 OF 3)	DRAWING NUMBER: ST-48

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

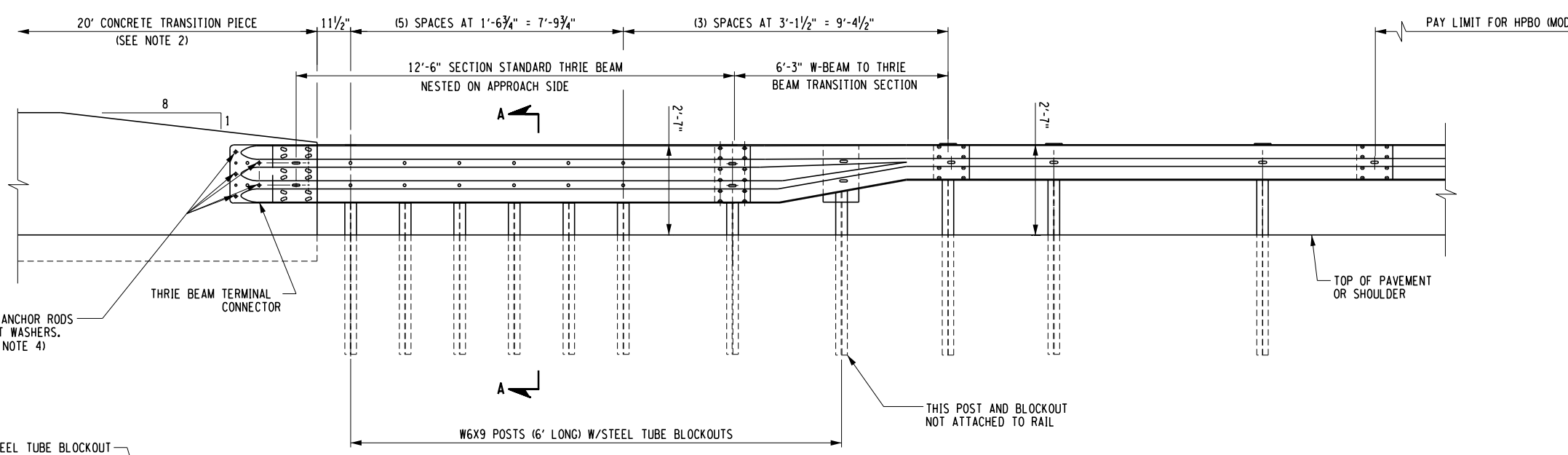


PLAN VIEW

VEGETATION CONTROL STRIP (SEE NOTE 1)

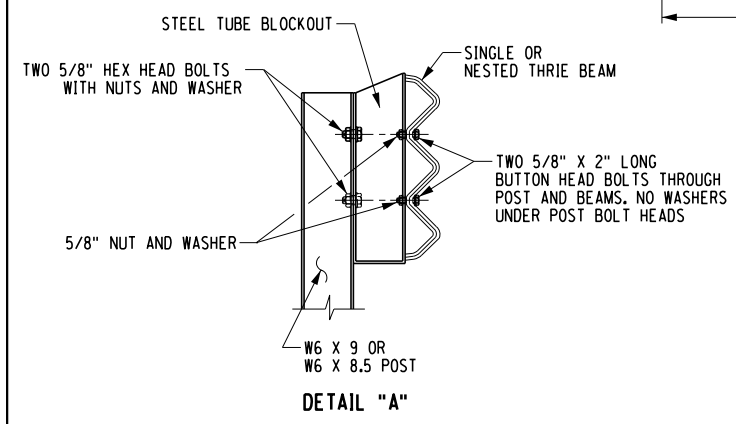


TYPICAL SPLICE LAYOUTS

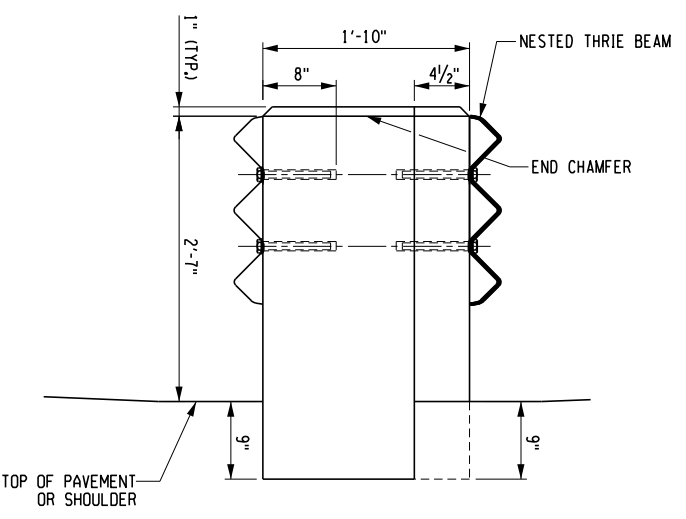


ELEVATION VIEW

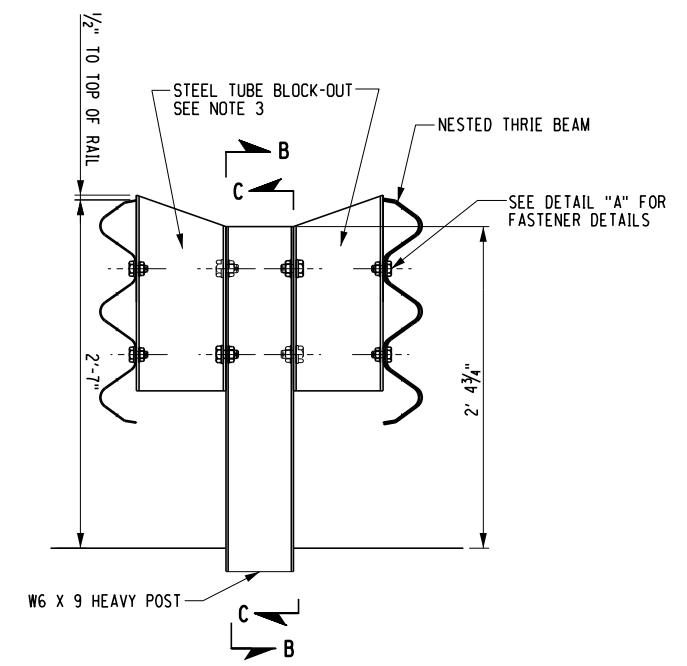
(5) - 7/8" ANCHOR RODS WITH FLAT WASHERS. (SEE NOTE 4)



DETAIL "A"



END VIEW (CONCRETE TRANSITION PIECE)



SECTION A-A POST ELEVATION

NOTE: SEE SHEET 2 OF 3 FOR SECTIONS B-B AND C-C

- NOTES:
1. THE VEGETATION CONTROL STRIP, WHEN SPECIFIED, SHOULD BE A MINIMUM OF 3" THICK. THE MATERIAL AND THICKNESS OF EACH LIFT SHOULD MATCH THAT IN THE ADJOINING STABILIZED SHOULDER ITEM. PAYMENT SHALL BE MADE UNDER SEPARATE ITEMS.
 2. FOR ADDITIONAL DETAILS SEE NYSDOT STANDARD SHEETS 606-29.
 3. MINIMUM EMBEDMENT OF ANCHOR RODS SHALL BE 8" AND A MINIMUM EDGE DISTANCE OF 3" SHALL BE MAINTAINED. OPTIONAL BEAM ATTACHMENT METHOD: CASTING 1" DIAMETER PVC OR GALVANIZED STEEL PIPE DURING FABRICATION. REINFORCEMENT MAY BE ADJUSTED TO ACCOMMODATE PIPE.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

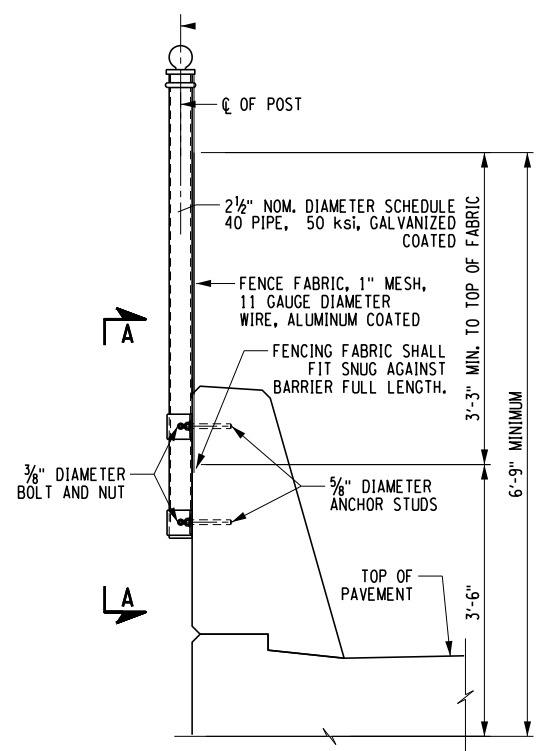


TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING APPROACH TRANSITION RAILING RAILING DETAILS (SHEET 3 OF 3)	DRAWING NUMBER: ST-49

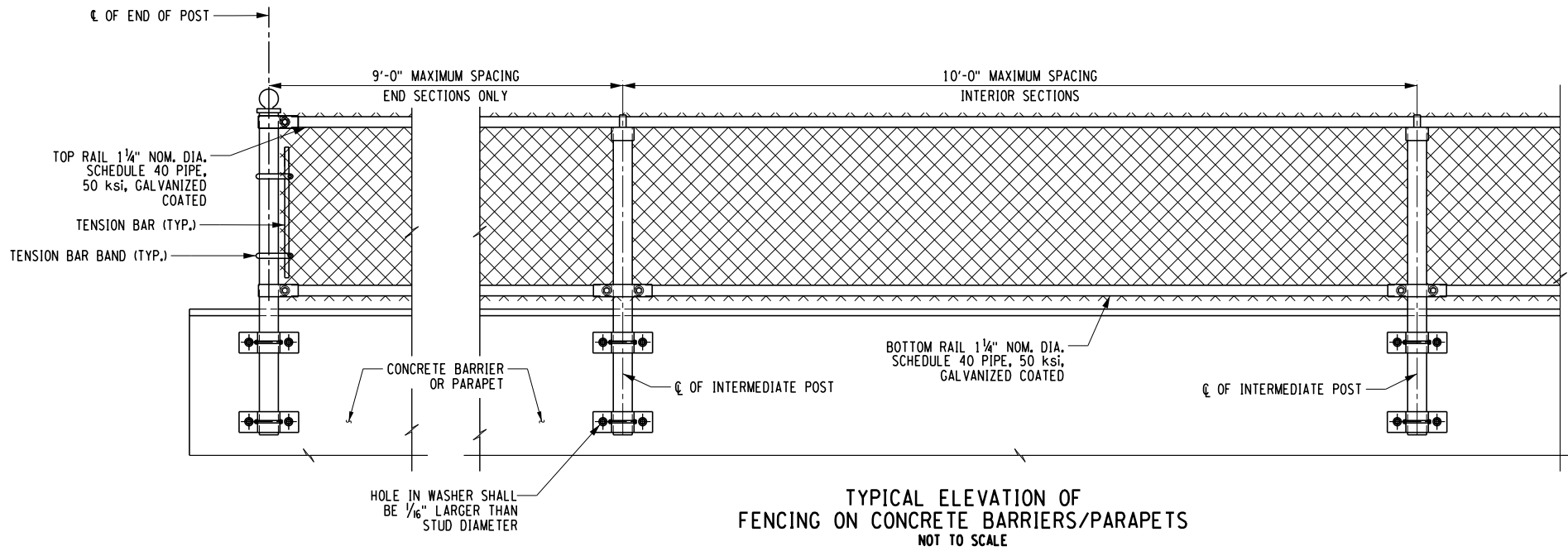
ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE STAMP: _____ SIGNATURE: DANIEL A. LEVINE

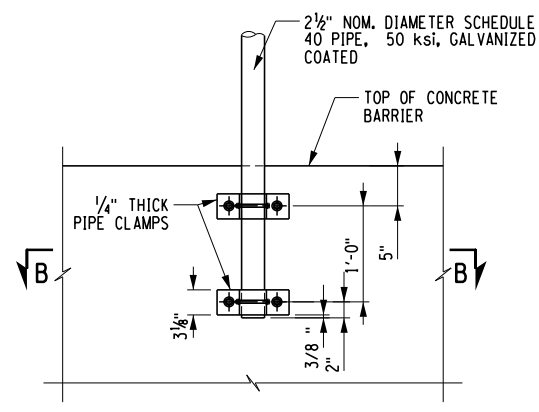
PW/ CHECKED BY: D. LEVINE DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE DESIGNED BY: J.P. O'LOUGHLIN DESIGN SUPERVISOR: D. LEVINE



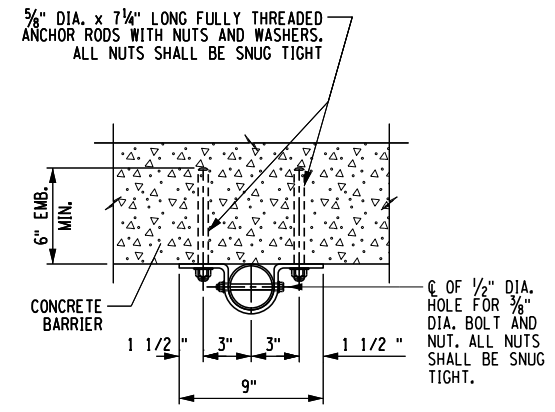
FENCING ON (HALF-SECTION) CONCRETE BARRIER
NOT TO SCALE



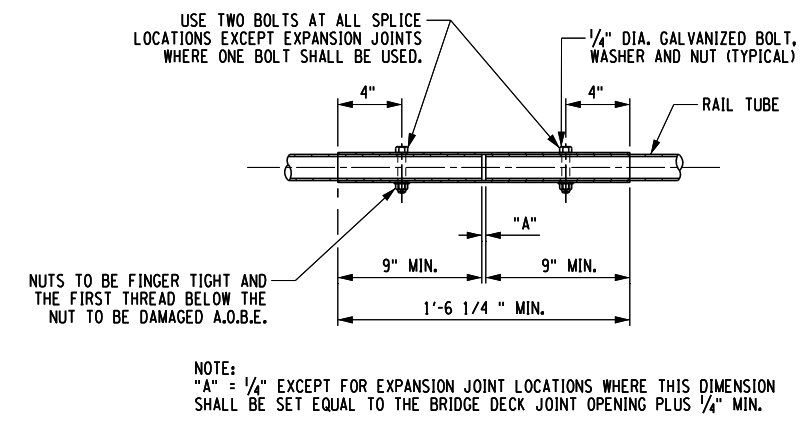
TYPICAL ELEVATION OF FENCING ON CONCRETE BARRIERS/PARAPETS
NOT TO SCALE



SECTION A-A
NOT TO SCALE




SECTION B-B
NOT TO SCALE



TYPICAL RAIL SPLICE DETAIL
NOT TO SCALE

- NOTES:
- THE INTERIOR SECTIONS OF SNOW FENCE POSTS SHALL BE PLACED SO THAT THE SPACING OF THE POSTS IS UNIFORM AND DOES NOT EXCEED 10'-0".
 - THE FULLY THREADED ANCHOR RODS FOR THE SNOW FENCE MAY BE DRILLED AND GROUTED INTO THE BARRIER AS SHOWN.
 - DRILLING AND GROUTING OF FULLY THREADED ANCHOR RODS SHALL BE DONE AND PAID FOR IN ACCORDANCE WITH SPECIFICATION 586.0310025 - DRILLING AND GROUTING OF BOLTS OR REINFORCING BARS - CHEMICALLY CURING - WITH PULLOUT TESTS. TEST LOAD = 6.0 KIPS.
 - IT IS PERMISSIBLE TO INSTALL SHIM PLATES BEHIND THE VERTICAL FENCE POSTS TO ACHIEVE PLUMB. SHIMS MUST HAVE 1/4" DIA. HOLES MATCHING THE PIPE CLAMP FOR THE 3/8" DIA. ANCHOR BOLTS. SHIMS SHALL BE OF STAINLESS STEEL (ASTM A666-03). THE REQUIRED QUANTITY AND THICKNESS OF SHIMS WILL BE DETERMINED IN THE FIELD.
 - ALL FENCE POSTS SHALL BE VERTICAL.
 - THE SNOW FENCING SHALL BE PAID FOR UNDER 607.06120025 - PROTECTIVE SCREENING (SNOW FENCE).
 - 3/8" DIA. ANCHOR BOLTS FOR FENCING SHALL BE F1554 GR105. BOLTS SHALL HAVE A MECHANICALLY DEPOSITED ZINC COATING IN ACCORDANCE WITH CLASS 50 OF ASTM B695.
 - 3/8" DIA. BOLTS SHALL BE ASTM A449 GR92 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
 - ALL NUTS SHALL BE ASTM A563 HEAVY HEX GRADE DH AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
 - ALL WASHERS SHALL BE ASTM F436 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE 

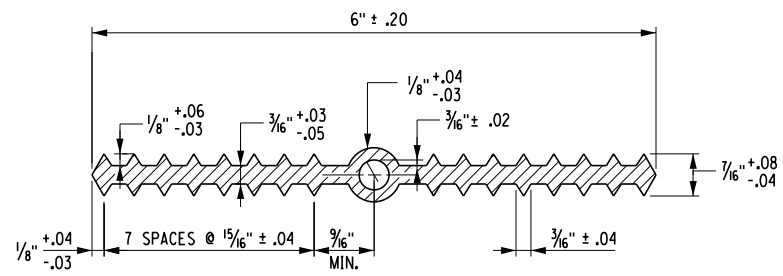
ITEM 607.06120025 SNOW FENCING FOR BRIDGES			
LOCATION	BEGIN STATION	END STATION	QUANTITY (L.F.)
NORTH FASCIA	WB STA 17+49.39	WB STA 19+23.39	174
SOUTH FASCIA	EB STA 16+25.85	EB STA 17+99.85	174

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

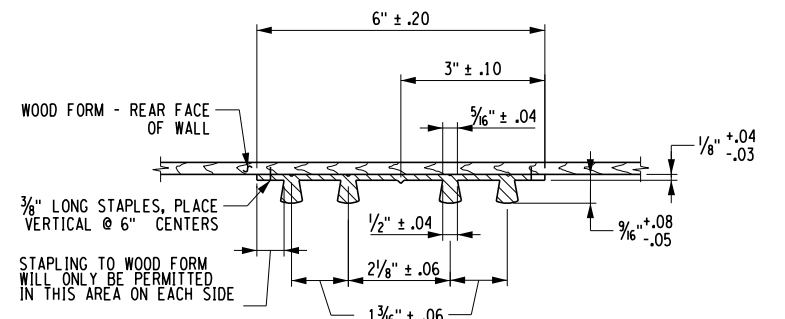


TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT: ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING: PROTECTIVE SCREENING ON BARRIER DETAILS	DRAWING NUMBER: ST-50

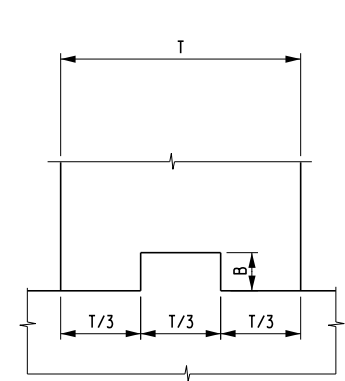


TYPE A WATERSTOP
NOT TO SCALE

TYPE A WATERSTOP:
HOLES MUST NOT BE MADE IN WATERSTOP FOR ANY PURPOSE.

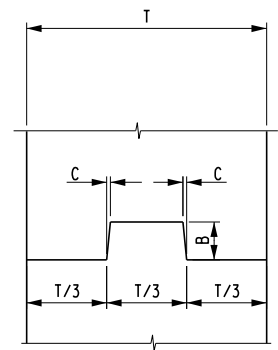


TYPE D WATERSTOP
NOT TO SCALE



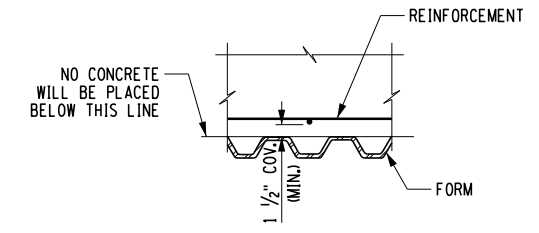
NOTE:
WATERSTOP NOT SHOWN.

HORIZONTAL



NOTE:
WATERSTOP NOT SHOWN.

VERTICAL

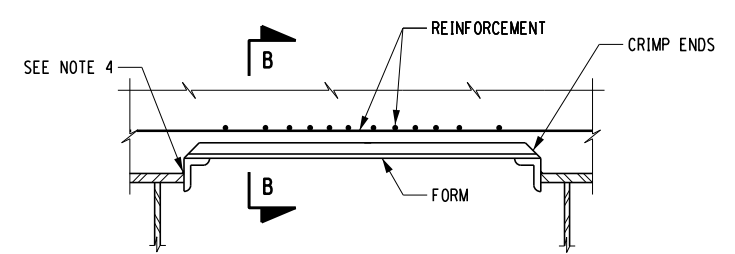


SECTION B-B
NOT TO SCALE

CONSTRUCTION AND CONTRACTION JOINTS		
C	B	T/3
3/16"	1 1/2"	0 TO 6"
3/8"	3 1/2"	6" TO 10"
3/4"	5 1/2"	10" AND OVER

EXPANSION JOINTS		
C	B	T/3
3/8"	3 1/2"	0 TO 10"
3/4"	5 1/2"	10" AND OVER

KEYWAY DETAILS
NOT TO SCALE



PERMANENT CORRUGATED METAL FORM DETAIL
NOT TO SCALE

FORM UNIT NOTES:

1. THE COST OF THE FORMING SYSTEMS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SUPERSTRUCTURE SLAB CONCRETE ITEM.
2. THERE SHALL BE NO WELDING TO GALVANIZED OR METALIZED GIRDER SURFACES FOR THE ATTACHMENT OF FORMING DEVICES.
3. THE SUPPORT ANGLES AND/OR ZEES SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.
4. TACK WELDS SHALL BE ALLOWED IN COMPRESSION AREA OF THE STRINGER'S TOP FLANGE ONLY. FOR CONTINUOUS STRUCTURES, SEE STRINGER DETAILS FOR LIMITS OF TENSION ZONE FOR THE TOP FLANGE. WELDING SHALL CONFORM TO SECTION 7 OF THE N.Y.S STEEL CONSTRUCTION MANUAL. 1/8" DIA. E7018 OR E8018-C3 ELECTRODES, PROPERLY CONDITIONED, SHALL BE USED.)

PW/ D. LEVINE
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

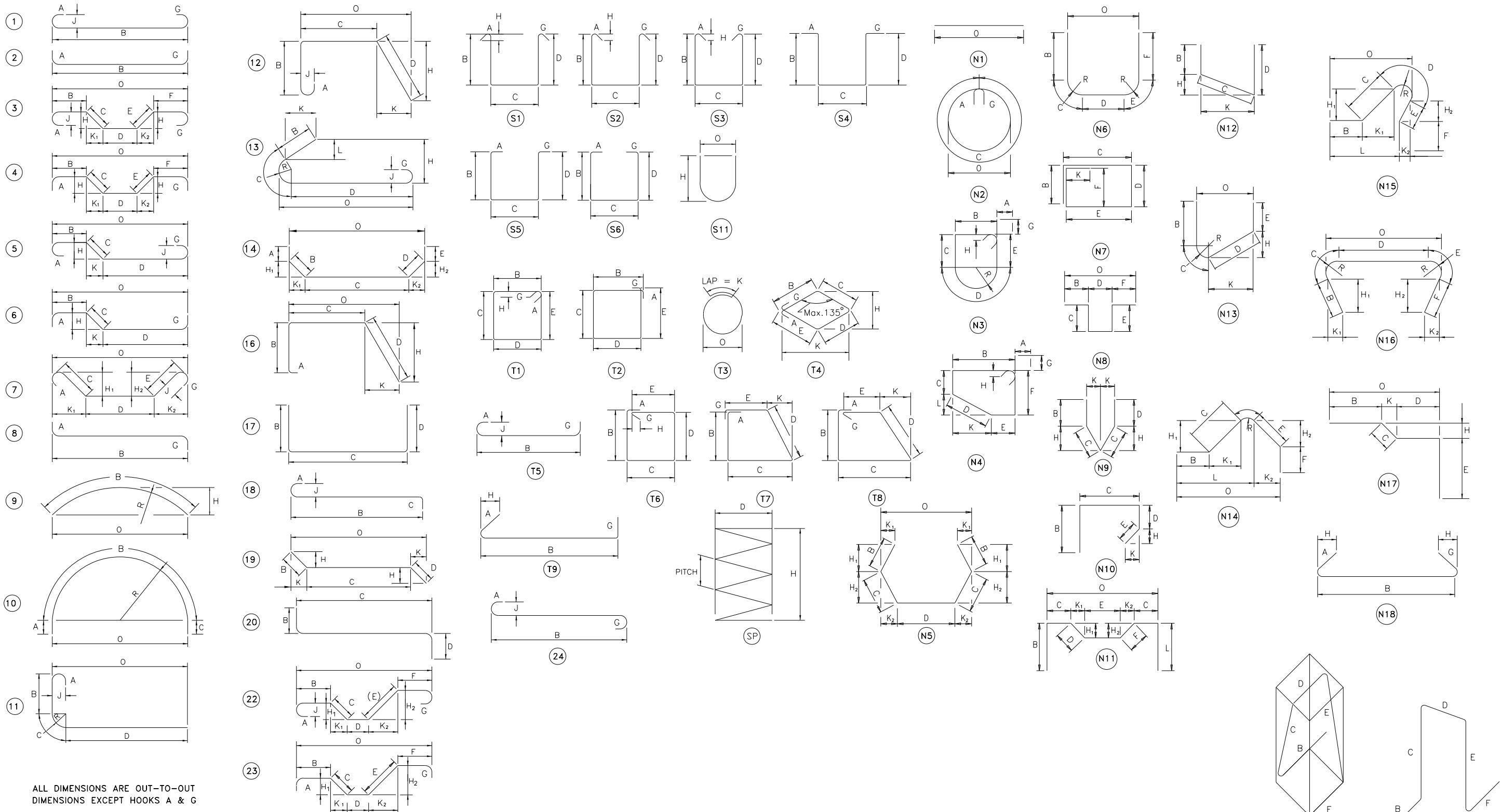
ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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	SYML

 PARSONS	TITLE OF PROJECT: REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
	LOCATION OF PROJECT: ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING: MISCELLANEOUS DETAILS		DRAWING NUMBER: ST-51

PWZ/
 CHECKED BY: D. LEVINE
 DRAFTED BY: J.P. O'LOUGHLIN
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS EXCEPT HOOKS A & G

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 12/10/2024 SIGNATURE: DANIEL A. LEVINE STAMP:
	

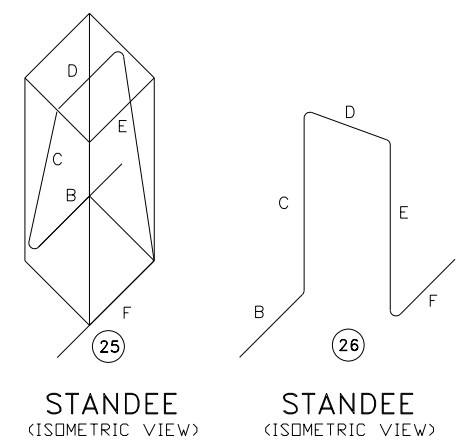
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

PARSONS

TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S	CONTRACT NUMBER: TAA 25-06B
LOCATION OF PROJECT ALBANY DIVISION MP 178.38	DATE: 12/11/2024
TITLE OF DRAWING BAR BENDING DIAGRAM	DRAWING NUMBER: ST-52



25 STANDEE (ISOMETRIC VIEW)
 26 STANDEE (ISOMETRIC VIEW)


PW/ TA
CHECKED BY: TA
DRAFTED BY: TA
CHECKED BY: TA
DESIGNED BY: TA
DESIGN SUPERVISOR: TA

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
WEST ABUTMENT																					
PLACEMENT - ABUTMENT BACKWALL																					
5A1	414	5	2'-11"	17	1788		1'-2"	1'-9"	0'-0"											L BAR (AVERAGE LENGTH USED)	
5A2	2	5	60'-0"	STR	246													60'-0"			
5A3	2	5	21'-1"	STR	87													21'-1"		LAPPED TO 5AG2	
5A4	2	5	12'-9"	STR	53													12'-9"		LAPPED TO 5AG2	
SUBTOTAL					2174																
PLACEMENT - WINGWALL CHEEKWALL																					
5W1	17	5	4'-1"	17	72		1'-8"	0'-9"	1'-8"												
5W2	6	5	11'-6"	STR	73													11'-6"			
SUBTOTAL					145																
SUBTOTAL (BAR & BAL)					290																
PLACEMENT - WINGWALL STEM POUR																					
5W2	6	5	11'-6"	STR	73													11'-6"			
5W3	17	5	3'-4"	STR	60													3'-4"			
5W4	17	5	4'-2"	17	74		0'-10"	3'-4"	0'-0"												
4W5	5	4	11'-6"	STR	133													11'-6"			
5W6	17	5	12'-4"	N12	219		1'-2"	4'-10"	1'-4"				0'-2"				4'-10"				
SUBTOTAL					465																
SUBTOTAL (BAR & BAL)					930																
TOTAL WEST ABUTMENT (ITEM 556.0201)					3394																
EAST ABUTMENT																					
PLACEMENT - ABUTMENT BACKWALL																					
5A1	414	5	2'-11"	17	1788		1'-2"	1'-9"	0'-0"											L BAR (AVERAGE LENGTH USED)	
5A2	2	5	60'-0"	STR	246													60'-0"			
5A3	2	5	21'-1"	STR	87													21'-1"		LAPPED TO 5AG2	
5A4	2	5	12'-9"	STR	53													12'-9"		LAPPED TO 5AG2	
SUBTOTAL					2174																
PLACEMENT - WINGWALL CHEEKWALL																					
5W1	17	5	4'-1"	17	72		1'-8"	0'-9"	1'-8"												
5W2	6	5	11'-6"	STR	73													11'-6"			
SUBTOTAL					145																
SUBTOTAL (EAR & EAL)					290																
PLACEMENT - WINGWALL STEM POUR																					
5W2	6	5	11'-6"	STR	73													11'-6"			
5W3	17	5	3'-4"	STR	60													3'-4"			
5W4	17	5	4'-2"	17	74		0'-10"	3'-4"	0'-0"												
4W5	5	4	11'-6"	STR	39													11'-6"			
5W6	17	5	12'-4"	N12	219		1'-2"	4'-10"	1'-4"				0'-2"				4'-10"				
SUBTOTAL					465																
SUBTOTAL (EAR & EAL)					930																
TOTAL EAST ABUTMENT (ITEM 556.0201)					3394																

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
PEDESTAL - WEST ABUTMENT																					
PLACEMENT - END PEDESTAL DETAIL 2																					
4P1	1	5	12'-3"	N4	13	0'-0"	2'-11"	1'-9"	1'-10"	3'-0"	2'-9"	0'-0"					0'-0"	0'-0"		HOOP	
5P2	10	5	2'-2"	2	23	0'-8"	1'-6"					0'-0"								DOWEL	
SUBTOTAL (1 PEDESTAL)					36																
PLACEMENT - END PEDESTAL DETAIL 3																					
4P3	2	5	11'-1"	N4	24	0'-0"	3'-2"	1'-9"	0'-6"	3'-11"	1'-9"	0'-0"					0'-0"	0'-0"		HOOP	
5P4	10	5	2'-2"	2	23	0'-8"	1'-6"					0'-0"								DOWEL	
SUBTOTAL (1 PEDESTAL)					47																
PLACEMENT - TYPICAL PEDESTAL DETAIL 1																					
4P5	26	4	7'-6"	T1	131	0'-3"	1'-9"	1'-9"	1'-9"	1'-9"		0'-3"	0'-0"							HOOP	
5P6	112	5	2'-2"	2	249	0'-8"	1'-6"					0'-0"								DOWEL	
SUBTOTAL (14 PEDESTALS)					380																
TOTAL WEST ABUTMENT (16 PEDESTALS) (ITEM 556.0201)					463																
PEDESTAL PIER 1																					
PLACEMENT - TYPICAL PEDESTAL DETAIL 2																					
4P7	48	4	12'-8"	T1	407	0'-3"	3'-1"	3'-0"	3'-1"	3'-0"		0'-3"	0'-0"							HOOP FOR INTERIOR PEDESTAL	
6P8	112	6	2'-3"	2	379	0'-9"	1'-6"					0'-0"								DOWEL FOR INTERIOR PEDESTAL	
SUBTOTAL (14 PEDESTALS)					786																
PLACEMENT - TYPICAL END PEDESTAL DETAIL 1																					
4P9	5	4	11'-6"	N3	39	0'-3"	1'-9"	1'-6"	4'-9"	1'-6"		0'-3"	0'-0"							1'-6"	
6P10	12	5	2'-2"	2	27	0'-8"	1'-6"					0'-0"									
SUBTOTAL (2 PEDESTALS)					66																
TOTAL PIER 1 (16 PEDESTALS) (ITEM 556.0201)					852																


ALTERED ON: _____ AFFIXED ON: 12/10/2024

SIGNATURE: _____ STAMP: DANIEL A. LEVINE



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



PARSONS

TITLE OF PROJECT
REHABILITATION OF NYS THRUWAY (I-90)
BRIDGE OVER NY ROUTE 5S

LOCATION OF PROJECT
ALBANY DIVISION
MP 178.38

TITLE OF DRAWING
BAR LIST
(SHEET 1 OF 3)

CONTRACT NUMBER:
TAA 25-06B

DATE:
12/11/2024


DRAWING NUMBER:
ST-53

PW/ CHECKED BY: TA DRAFTED BY: TA CHECKED BY: TA DESIGNED BY: TA DESIGN SUPERVISOR: TA

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
PLACEMENT - SUPERSTRUCTURE SLAB (SPAN 2/3 EB/WB)																					
5SG1	111	5	40'-0"	1	4631	0'-7"	39'-0"					0'-0"			0'-5"						
5SG2	41	5	21'-4"	1	913	0'-7"	20'-4"					0'-0"			0'-5"						
5SG3	70	5	12'-8"	1	925	0'-7"	11'-8"					0'-0"			0'-5"						
5SG4	150	5	25'-2"	1	3938	0'-7"	23'-7"					0'-7"			0'-5"						
5SG5	111	5	59'-4"	STR	6870													59'-4"			
5SG6	41	5	49'-8"	STR	2124													49'-8"			
5SG7	150	5	24'-8"	STR	3860													24'-8"			
5SG8	24	5	60'-0"	STR	1502													60'-0"			
5SG9	12	5	26'-6"	STR	332													26'-6"			
5SG10	78	5	60'-0"	STR	4882													60'-0"			
5SG11	39	5	25'-1"	STR	1021													25'-1"			
5SG12	154	5	60'-0"	STR	9638													60'-0"			
5SG13	39	5	25'-1"	STR	1021													25'-1"			
5GS16	8	5	40'-0"	STR	334													40'-0"			
5GS17	2	5	13'-0"	1	28	0'-0"	3'-2"					0'-0"			0'-0"						
6GS18	30	6	10'-0"	1	451	0'-7"	9'-0"					0'-0"			0'-5"						
5GS19	30	5	9'-0"	STR	282													9'-0"			
5SG20	4	5	10'-10"	STR	46													10'-10"			
4SG21	174	4	5'-8"	3	662	0'-0"	1'-8"	1'-8"	0'-0"	0'-0"	0'-0"	0'-0"	1'-2"		0'-0"	1'-3"					
4SG22	60	4	3'-9"	3	151	0'-0"	1'-4"	1'-0"	0'-0"	0'-0"	0'-0"	0'-0"	0'-8"		0'-0"	0'-9"					
4SG23	16	4	40'-0"	STR	428													40'-0"			
4SG24	8	4	10'-10"	STR	58													10'-10"			
SUBTOTAL					44097																
SUBTOTAL (4 SLABS) (ITEM 557.1119)					176388																
PLACEMENT - BARRIER REINFORCEMENT EMBEDDED IN DECK/APPROACH SLAB																					
6BG7	2184	6	4'-1"	A	13395															VARIES IN BARRIER TRANSITION	
5BG8	2184	5	3'-0"	STR	6834													3'-0"			
6BG9	36	6	4'-1"	D	221																
SUBTOTAL					20229																
SUPERSTRUCTURE SLAB TOTAL (8 SLABS) (ITEM 557.1119)					380509																



MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
PLACEMENT - APPROACH SLAB																					
5HG1	236	5	25'-6"	STR	6277													25'-6"			
5HG2	54	5	60'-0"	STR	3380													60'-0"		LAPPED WITH 5GH3 OR 5HG4	
5HG3	42	5	20'-8"	STR	907													20'-8"		LAPPED WITH 5HG2	
5HG4	14	5	19'-11"	STR	292													19'-11"		AVG. LENGTH USED, LAPPED WITH 5GH2	
5HG5	4	5	5'-6"	T9	23	2'-6"	3'-0"					0'-0"	1'-10"							CORNER BENT BAR	
5HG6	2	5	7'-6"	17	16		3'-0"	4'-6"	0'-0"											CORNER BENT BAR	
5HG7	4	5	23'-11"	16	100	0'-0"	0'-0"	19'-8"	4'-3"				0'-0"			0'-0"		0'-0"		EDGE BAR	
5HG8	21	5	11'-3"	STR	247													11'-3"			
SUBTOTAL (EACH SLAB)					11242																
APPROACH SLAB TOTAL (4 SLABS) (ITEM 557.1019)					44968																

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
PLACEMENT - SINGLE SLOPE CONCRETE BARRIER (ALL FOUR BARRIERS)																					
7BG1	192	7	60'-0"	STR	23547													60'-0"			
7BG2	48	7	44'-9"	STR	4391													44'-9"			
7BG3	144	7	28'-6"	STR	8389													28'-6"			
5BG4	2152	5	6'-7"	B	14684															VARIES IN BARRIER TRANSITION	
5BG5	32	5	5'-8"	E	188																
5BG6	32	5	5'-8"	F	188																
TOTAL (ITEM 569.04)					51387																

ALTERED ON:	AFFIXED ON: 12/10/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REHABILITATION OF NYS THRUWAY (I-90) BRIDGE OVER NY ROUTE 5S LOCATION OF PROJECT ALBANY DIVISION MP 178.38	CONTRACT NUMBER: TAA 25-06B DATE: 12/11/2024
	TITLE OF DRAWING BAR LIST (SHEET 3 OF 3)	DRAWING NUMBER: ST-55