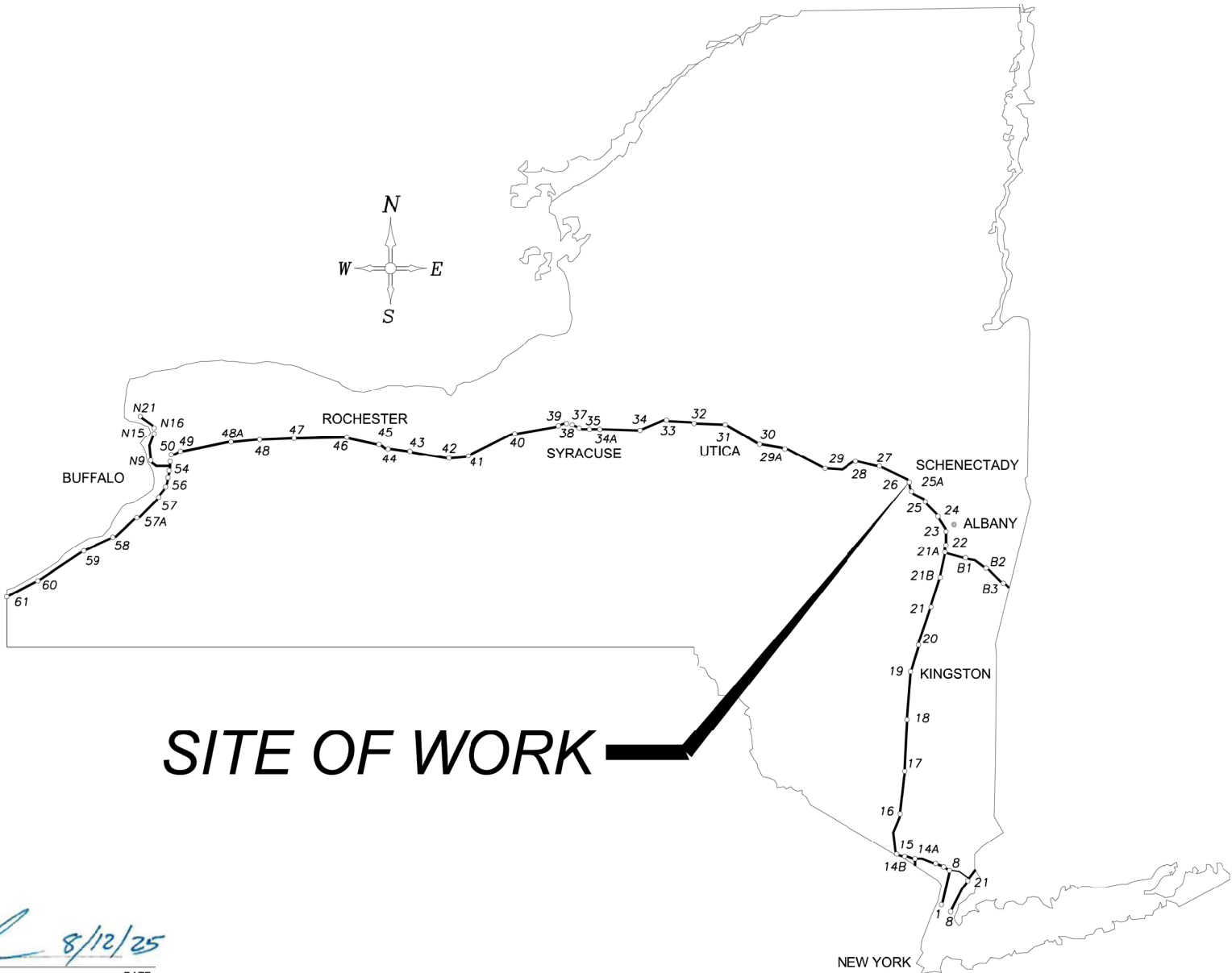




ALBANY DIVISION
PLANS FOR
REHABILITATION
OF THE
NYS ROUTE 7 (DUANESBURG ROAD) BRIDGE OVER I-90
AT
MILEPOST 158.54
IN
SCHENECTADY COUNTY

TAA 25-22B D215046

99 SHEETS BIN 1004170



TYPE OF CONSTRUCTION:
BRIDGE REHABILITATION INCLUDING: BRIDGE DECK REPLACEMENT, PAINTING OF EXISTING STEEL GIRDERS, BRIDGE JOINT REMOVAL, BRIDGE RAILING REPLACEMENT, SUBSTRUCTURE REPAIRS, BEARING REPLACEMENTS, APPROACH SLAB REPLACEMENT

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% STATE
APPROACH GUIDE RAILING, APPROACH PAVEMENT, SHOULDERS, SIDEWALKS, APPROACH SLAB AND BRIDGE DECK WEARING COURSE, AND BRIDGE RAIL/BARRIER/PARAPET.
100% AUTHORITY
ALL OTHER BRIDGE ELEMENTS NOT LISTED ABOVE.

LOAD RATING TABLE		
CONTROLLING MEMBER	INVENTORY LOAD RATING	OPERATING LOAD RATING
INTERIOR GIRDER G6 (LFD)	HS 25 (44.96 TONS US)	HS 42 (75.06 TONS US)
FASCIA GIRDER (LRFR)	1.01	1.31

HL-93 LIVE LOADING, LRFR AND HS 20 LIVE LOADING, LFD or ASD.
INCLUDES FUTURE WEARING COURSE OF 0.020 ksf.

	PROJECT LIMITS		CONTRACT LIMITS	
			FROM STA.	TO STA.
DUANESBURG ROAD (ROUTE 7)	SB 71+17	SB 74+32	WORK ZONE TRAFFIC CONTROL LIMITS	
THRUWAY (I-90)	6099+80.46	6100+50.46		

UDIC NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

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]* 8/12/25
DIRECTOR, OFFICE OF DESIGN DATE

RECOMMENDED BY: *[Signature]* 8/13/25
DIVISION DIRECTOR DATE

RECOMMENDED BY: *[Signature]* 8/12/25
TRAFFIC ENGINEER DATE

RECOMMENDED BY: *[Signature]* 8/12/25
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT DATE

RECOMMENDED BY: *[Signature]* 8/13/25
DIRECTOR OF MAINTENANCE AND OPERATIONS DATE

APPROVED BY: *[Signature]* 8/13/25
CHIEF ENGINEER DATE

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

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ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING INDEX OF DRAWINGS		DRAWING NUMBER: IND-01

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

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

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

REVISIONS					Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYM.			LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
						TITLE OF DRAWING	DRAWING NUMBER: AB-01
						ABBREVIATIONS	

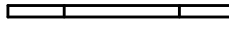
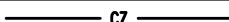
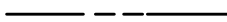
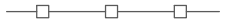
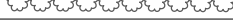
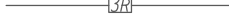
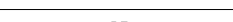
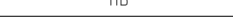
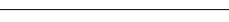
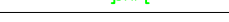
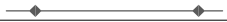
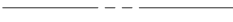
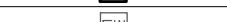
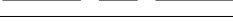
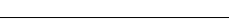
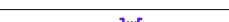
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

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

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.

REVISIONS					TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYM.			
				TITLE OF DRAWING LINE SYMBOLOGY	ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
						DRAWING NUMBER: LEG-01

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

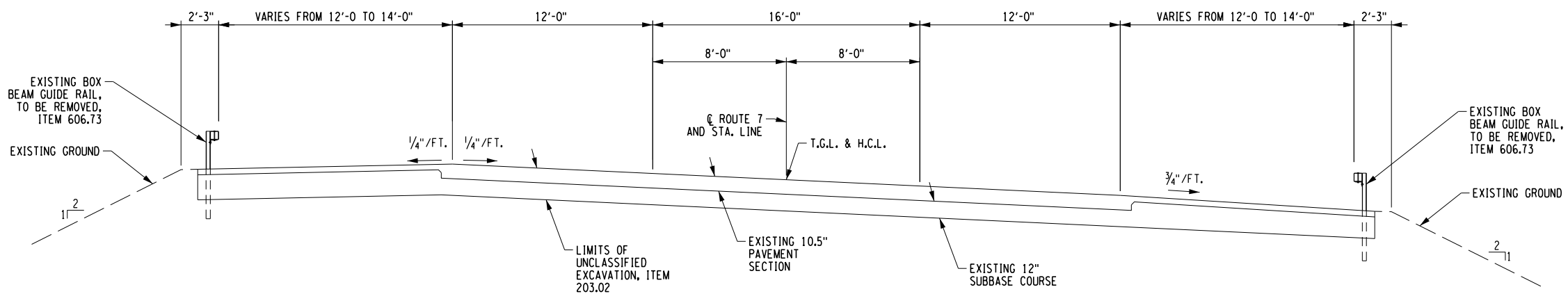
CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

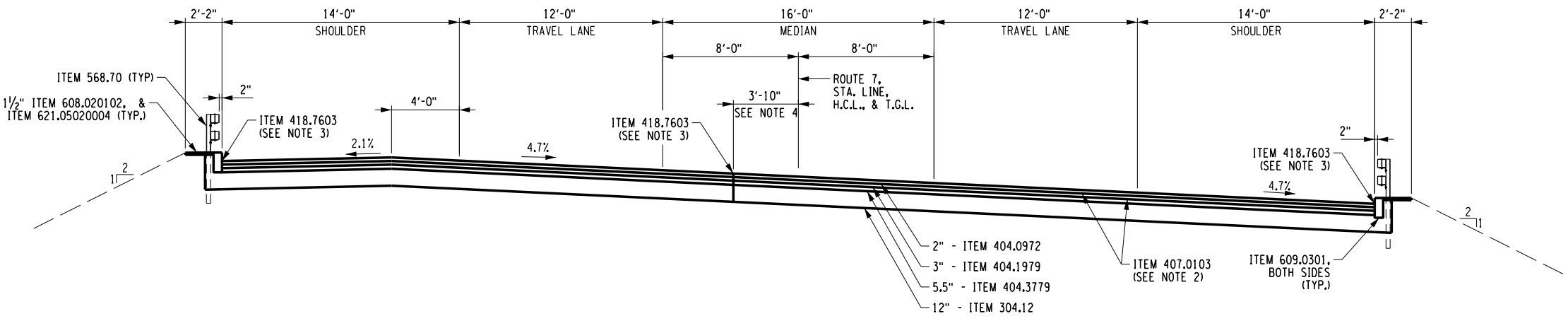
DESIGN SUPERVISOR: D. LIVERMORE

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				
	ADP1_P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS		UEPT	ELECTRIC, POLE, TRANS.				
	ADPL_P	DETOUR, POINT ON LINE		DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICDPD	CDPD TRANSCEIVER		MDL5P	DEED LINE, TYPE 5		SPM	PARKING METER		UGM	GAS, METER				
	AEQN	EQUATION					ICELLT	CELL PHONE TOWER		MEEP	EASEMENT, EXISTING		SRM	REFERENCE MARKERS		UGMH	GAS, MANHOLE				
	AEQNAHD	EQUATION AHEAD					ICJB	CONDUIT JACK OR BORING		MEPAP_P	EASEMENT, PERM., APPROX.		SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER				
	AEQNBK	EQUATION BACK		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICNTLCAB	CONTROLLER CABINET		MEPP_P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP				
	AEVT	EVENT STATION					ICPB	COMMUNICATION PULL BOX		MEPSP_P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE				
	APC	POINT OF CURVATURE		DST"X"_P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICTD	CONDUIT TURNING DOWN		MFAP_P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT				
	APCC	POINT OF COMPOUND CURVATURE					ICTU	CONDUIT TURNING UP		MFP_P	FEE ACQUISITION, BACK LINE		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		MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPP	LIGHTING, POLE, PED.				
	APOC	POINT OF CURVATURE		EIOP_P	STR., INLET, OUTLET PROT.		IEZR	E-ZPASS READER		MHBCP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP				
	APOE	POINT OF END		EIPGB_P	STR., INLET PROT., GRAVEL BAG		IEZTR	TRANSMITTAL READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER				
	APOL	POINT ON LINE		EIPEFL_P	STR., INLET PROT., FILTER LOG		IFOCAB	FIBER OPTIC X-CONNECT CABINET		MJCP	PT., JURIS. CITY		SRSS4	SHLD, STATE, 4 DIG.		UP	POLE, WITH UTILITY				
	APOS	POINT ON SPIRAL		EIPP_P	STR., INLET PROT., PREFAB.		IFUSSPL	FUSION SPLICE		MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL				UPD	POLE, DEAD (NO UTILITY)				
	APOT	POINT ON TANGENT		EIPSF_P	STR., INLET PROT., SILT FENCE		IHARADV	HAR ADVISORY SIGN		MPCC	PT., CROSS CUT					UPL	POLE, WITH LIGHT				
	APOVC	POINT ON VERTICAL CURVE		ETRS_P	TRAP, SEDIMENT		IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBJ	BOX, JUNCTION		USMH	SANITARY SEWER MANHOLE				
	APOVT	POINT ON VERTICAL TANGENT		EWFG	WETLAND FLAG		ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBP	BOX, PULL BOX		UTB	TELEPHONE, BOOTH				
	APORC	POINT ON REVERSE CURVE		ERCB	RISER, CONCRETE BOX		IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCBS	BOX, SPLICE		UTLM	TELEPHONE, LINE MARKER				
	APT	POINT OF TANGENCY		ETRS_P	TRAP, SEDIMENT		IMSCS	PORT. SPEED & COUNT SENSOR		MPIR	PT., IRON ROD		TCMC	MICROCOMPUTER CABINET		UTMH	TELEPHONE, MANHOLE				
	APVC	POINT OF VERTICAL CURVATURE		EFG	WETLAND FLAG		IMSCTS	MICRO SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCPP	PED POLE		UTVLM	CABLE TV, LINE MARKER				
	APVCC	POINT OF VERT. CMPND CURVE	GEOTECHNICAL				IMT	MICROWAVE TRANSCEIVER		MPMM	PT., MONUMENT, MISC.		TCSH	SIGNAL HEADS		UTVPB	CABLE TV, PULL BOX				
	APVI	POINT OF VERT. INTERSECTION					IOHVMS	PERM. OVERHEAD VMS		MPN	PT., NAIL		TCSP	SIGNAL POLE		UUB	UNKNOWN, BOX				
	APVRC	POINT OF VERT. REVERSE CURVE		GDH	DRILL HOLE		IPASCS	PORT. ACCOU. SPD & CNT. SENSOR		MPRS	PT., RAILROAD SPIKE	TRAFFIC WORK ZONE				UUJB	UNKNOWN, JUNCTION BOX				
	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE				IPEDS	PEDESTRIAN SIGNAL HEAD		MPST	PT., SPIKE					TWZAP_P	ARROW PANEL		UUMH	UNKNOWN, MANHOLE	
	ASC	SPIRAL TO CURVE					LELS	ELEVATION, SPOT		IPSS	PAVEMENT SURFACE SENSOR		MPTW	PT., TREE W/ WIRE		TWZAPC_P	ARROW PANEL, CAUTION MODE		UUPB	UNKNOWN, PULL BOX	
	ASPI	SPIRAL POINT OF INTERSECTION		LFP	FLAG POLE		IPVMS	PERM. VMS		MPWL	PT., WALL LOCATION		TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT		UUVL	UNKNOWN, VALVE				
	ASTS	SPIRAL TO SPIRAL		LMB	MAILBOX		IRM	RAMP METER	ROW ACQUISITION				TWZBCD_P	BARRICADE (TYPE III)		UUVT	UNKNOWN, VENT				
	AST	SPIRAL TO TANGENT		LPB	PAPER BOX		IRWIS	RDWY WEATHER INFO. SENSOR					MFS_P.T	FEE ACQUISITION		TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)		UUW	UNKNOWN, WELL	
	ATS	TANGENT TO SPIRAL		LPST	POST, SINGLE		ISP	SOLAR PANEL		MEPS_P.T	EASEMENT, PERMANENT		TWZFLG_P	FLAGGER		UWFH	WATER, FIRE HYDRANT				
	AVEVT	VERTICAL EVENT POINT		LRB	ROCK, BOULDER		ISST	SPREAD SPECT. TRANSCEIVER		METS_P.T	EASEMENT, TEMPORARY		TWZFT_P	FLAG TREE		UWM	WATER, METER				
	AVHIGH	VERTICAL HIGH POINT		LSHC	SHRUB, CONIFEROUS		ITDB	TELEPHONE DEMARCATION BLK		METS_P.T	EASEMENT, TEMPORARY		TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)		UWMH	WATER, MANHOLE				
	AVLOW	VERTICAL LOW POINT		LSHD	SHRUB, DECIDUOUS		ITP	SUBSURFACE TEMP. PROBE		METS_P.T	OCCUPANCY, TEMPORARY		TWZLUM_P	LUMINAIRE (TEMPORARY)		UWV	WATER, VALVE				
BRIDGE				LTC	TREE, CONIFEROUS		IVTRT	VEHICLE TO RDWY TRANSCEIVER		MFS_P.T	FEE ACQUISITION W/O ACCESS		TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC		UWW	WATER, WELL				
				LTD	TREE, DECIDUOUS		IWIMD	WEIGHT IN MOTION DETECTOR	ROADWAY				TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR							
	LTS	TREE, STUMP		IWVR	WIRELESS VIDEO REPEATER		TWZSGN_P	SIGN (TEMPORARY)													
	LTW_P	TREE, WELL OR WALL		IWVRC	WIRELESS VIDEO RECEIVER		TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)													
	LUKP	UNKNOWN POINT		IWVTT	WIRELESS VIDEO TRANSMITTER		TWZW.L_P	WARNING LIGHT													
	BSC	BRIDGE, SCUPPER	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.				RES_P	ELEVATION, SPOT		TWZWV_P	WORK VEHICLE	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY LOCATION OF PROJECT ALBANY DIVISION CONTRACT N TAA 2 DATE:									
	CBPOL	BASLINE, POINT ON LINE					RGA	GUIDE RAIL, ANCHOR													
	CBSP	BASLINE, SPUR POINT					RGP	GUIDE POST, SINGLE													
	CBTP	BASLINE, TIE POINT																			
	CPBM	BENCHMARK																			
	CPH	POINT, HORIZ. PHOTOGRAMMETRY																			
	CPSM	POINT, SURVEY MARKER, PERM.																			
	CPSV	POINT, VERT., PHOTOGRAMMETRY																			

REVISIONS				 NEW YORK STATE Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYM.		LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
					TITLE OF DRAWING POINT SYMBOLOGY	DRAWING NUMBER: LEG-02

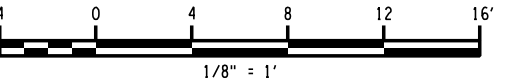


EXISTING ROUTE 7 PAVEMENT SECTION



PROPOSED ROUTE 7 ASPHALT SECTION

STA. SB 71+17.00 TO STA. SB 71+48.73
STA. SB 73+97.05 TO STA. SB 74+32.00



NOTES

- SEE DWG ST-03 FOR REMOVAL LIMITS OF EXISTING APPROACH SECTION.
- APPLY TACK COAT, ITEM 407.0103, TO ALL CONTACT SURFACES BETWEEN ALL ASPHALT PAVEMENT COURSES AND LIFTS.
- ASPHALT JOINT ADHESIVE, ITEM 418.7603, SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, OR OTHER JOINTS ABUTTING THE NEW ASPHALT PAVEMENT.
- ACTUAL LOCATION OF LONGITUDINAL SAWCUT MAY VARY A.O.B.E. BASED ON FIELD CONDITIONS. SAWCUT TO BE FULL DEPTH, ITEM 627.50140008. SEE WZTC PLANS AND SECTIONS FOR STAGING LIMITS.

ALTERED ON:	AFFIXED ON: 08/06/2025	ITEM NO.	DESCRIPTION	UNIT	ITEM NO.	DESCRIPTION	UNIT
SIGNATURE: STAMP:	SIGNATURE: STAMP:	203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
		304.12	SUBBASE COURSE, TYPE 2	CY	608.020102	ASPHALT VEGETATION CONTROL STRIP	TON
		404.0972	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	609.0301	STONE CURB, TYPE A	LF
		404.1979	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON	610.1402	TOPSOIL - ROADSIDE	CY
		404.3779	37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION	TON	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
		407.0103	STRAIGHT TACK COAT	GAL	621.05020004	PREPARING GRADE FOR VEGETATION CONTROL STRIP	LF
		418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	627.50140008	CUTTING PAVEMENT	LF
		586.70	TRANSITION BRIDGE RAILING	LF			



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING TYPICAL SECTIONS	DRAWING NUMBER: TYP-01

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

GENERAL NOTES

- DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS NOTED IN THE PROJECT PROPOSAL. (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: f'c = 4,000 psi.)
- CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS CURRENT AS OF THE STANDARD SPECIFICATIONS, ADOPTION DATE SHOWN ON THE PROPOSAL COVER.
- ALL NEW AND REPLACEMENT BAR REINFORCEMENT SHALL BE ASTM A615 GRADE 60. NO SUBSTITUTIONS WILL BE ALLOWED. BARS SHALL BE LIKE SIZE AND COATING MATERIAL, AND FABRICATED IN ACCORDANCE WITH ASTM A767 AND MEET THE REQUIREMENTS OF NYSDOT MATERIAL SPECIFICATION 709-11. ALL NEW AND REPLACEMENT WIRE FABRIC REINFORCEMENT SHALL BE ASTM A1064. NO SUBSTITUTIONS WILL BE ALLOWED. WIRE FABRIC SHALL BE LIKE SIZE AND COATING MATERIAL AND FABRICATED IN ACCORDANCE WITH ASTM A767 AND ASTM A123, AND MEET THE REQUIREMENTS OF NYSDOT 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 NYSDOT MATERIAL SPECIFICATION "SECTION 706 - CONCRETE, CLAY AND PLASTIC PIPE".
- RECORD PLANS: RECORD PLANS COVERING PREVIOUS WORK ARE AVAILABLE TO ALL PROSPECTIVE BIDDERS ELECTRONICALLY ON THE WEBSITE. REFER TO INDIVIDUAL BRIDGE PLANS FOR PREVIOUS WORK CONTRACTS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT NO SPOIL AREA FOR SURPLUS MATERIALS IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT OF WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE AUTHORITY'S PROPERTY IN ACCORDANCE WITH ALL STATE, FEDERAL AND LOCAL LAWS. ALL COSTS ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.
- THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WORK IN THIS CONTRACT WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES, AND THEY SHALL SCHEDULE THEIR OPERATIONS SO AS TO CAUSE MINIMUM DISRUPTION TO TRAFFIC.

SUBSTRUCTURE NOTES

- ALL CONCRETE REPAIRS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON CR-01.
- ALL DETERIORATED STRUCTURAL CONCRETE SHALL BE REMOVED TO A DEPTH WHERE SOUND CONCRETE IS EXPOSED. BEFORE STARTING THIS WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A PLAN SHOWING THE PROPOSED METHOD, EQUIPMENT AND SEQUENCE FOR THE REMOVAL WORK. BLASTING OR DYNAMITING WILL NOT BE PERMITTED. COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 582.0051.
- ALL EXPOSED EDGES OF CONCRETE ARE TO BE CHAMFERED ONE (1) INCH UNLESS OTHERWISE NOTED.
- MAJOR CRACKS THAT WERE OBSERVED DURING THE PREPARATION OF THESE CONTRACT DRAWINGS ARE SHOWN FOR REFERENCE PURPOSES. THOSE SHOWN WITHOUT AN ASSOCIATED REPAIR AREA WERE FOUND TO HAVE SOLID SOUNDING ADJACENT CONCRETE AND NO APPARENT SIGNS OF UNDERLYING CONCRETE DETERIORATION. THESE CRACKS SHALL BE INSPECTED DURING CONSTRUCTION. IF DETERMINED BY THE THRUWAY PROJECT ENGINEER, SUCH CRACKS SHALL BE REPAIRED IN ACCORDANCE WITH THE DETAILS SHOWN ON CR-01.
- AFTER REPAIRS, PROTECTIVE SEALING OF STRUCTURAL CONCRETE, ITEM 559.02; SHALL BE APPLIED TO ALL NEW EXPOSED CONCRETE SURFACES OF THE SUBSTRUCTURES RECEIVING CONCRETE REPAIRS.
- IF THERE ARE ANY REPAIR AREAS THAT EXTEND OVER HALF OF THE COLUMNS PERIMETER, THEN THE CONTRACTOR SHALL ONLY REPAIR 1/4 OF THE PERIMETER AT A TIME TO MINIMIZE THE AREA OF EXPOSED REBAR. IF MORE THAN 3/4 OF THE COLUMN'S PERIMETER IS IN NEED OF REPAIR, THEN THE CONTRACTOR MAY ELECT TO WORK ON TWO 1/4 QUADRANTS OF THE COLUMN AS LONG AS THE TWO 1/4 QUADRANTS ARE NOT ADJACENT TO ONE ANOTHER.
- WHEN DOING PEDESTAL REPAIRS, THE CONTRACTOR SHALL NOT BE ALLOWED TO EXPOSE MORE THAN 25% OF THE BEARING MASONRY PLATE AT A TIME. IF BEARING ANCHOR BOLTS ARE EXPOSED DURING THE REPAIRS, THEN THE CONTRACTOR SHALL PROVIDE MEANS TO MAKE SURE THE ANCHOR BOLTS WON'T MOVE UNTIL THE REPAIR IS COMPLETED.

RECONSTRUCTION NOTES

- DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHEN ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE AUTHORITY.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- THE DETAILS SHOWN IN THE CONTRACT PLANS INDICATE THE SPALLS, SCALES AND CRACKS NOTED FROM A FIELD INSPECTION BY THE DESIGNER. ALL MAJOR AREAS OF SPALLING, SCALING, AND CRACKING KNOWN TO EXIST AT THE TIME OF CONTRACT PREPARATION HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION REQUIRING REPAIRS BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER ACCESS TO ALL ABUTMENT AND PIER SURFACES FOR SOUNDING. THE CONTRACTOR WILL MARK OUT REMOVAL LIMITS TO BE REVIEWED AND APPROVED BY THE NYSTA PROJECT ENGINEER. THE CONTRACTOR WILL SUBMIT LABELED DIGITAL PHOTOS TO THE NYSTA PROJECT ENGINEER ALONG WITH THE CONTRACTOR'S PROPOSED REMOVAL AND REPLACEMENT SEQUENCE FOR APPROVAL. A MINIMUM OF 10 CALENDAR DAYS SHALL BE ALLOWED FOR REVIEW AND APPROVAL. REMOVAL OF CONCRETE SHALL NOT COMMENCE WITHOUT AN APPROVED REMOVAL PLAN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE REMOVAL AND REPLACEMENT CONCRETE ITEMS. WORK AREAS SHALL BE AS SHOWN IN THE PLANS OR AS ORDERED BY THE ENGINEER.
- ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED, PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED THEN PRE-WET FOR 12 HOURS. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE REPAIR ITEMS IN THE CONTRACT.
- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
- THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO THE FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STRUCTURAL STEEL ITEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY AND INTEGRITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION, AND SHALL PROVIDE TEMPORARY SUPPORT AS NECESSARY DURING REPAIR PROCEDURES.

UTILITY NOTES

- LOCATION OF EXISTING UTILITIES, PUBLIC AND/OR PRIVATE, AS SHOWN ON THE PLANS, ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT ALL OPERATIONS AND TAKE THE NECESSARY RECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE FACILITIES DURING CONSTRUCTION.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, HE/SHE SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE HIS/HER WORK OPERATION UNTIL SERVICE IS RESTORED.
- THE REMOVAL AND INSTALLATION OF LIGHT POLE AND ASSOCIATED WIRING ASSEMBLIES, AS SHOWN ON THE PLANS, SHALL BE PERFORMED AND PROVIDED BY NATIONAL GRID. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID BEFORE AND THROUGHOUT THE CONSTRUCTION PHASE TO ENSURE PROPER SCHEDULING AND INTEGRATION WITH PROJECT ACTIVITIES.

PAINTING NOTES

- THE COST FOR ALL CLEANING AND SURFACE PREPARATION OF THE EXISTING STEEL SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 573.93010125.
- PAINT SYSTEM MUST BE FROM NYSDOT APPROVED LIST, AND APPROVED BY THE ENGINEER, IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE PROPOSAL BOOK. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE MANUFACTURER'S CERTIFICATION STATING THAT THE PAINT MEETS THE ABOVE REQUIREMENTS.
- ALL COATINGS SHALL BE APPLIED IN A NEAT, WORKMANLIKE MANNER. COATINGS SHALL BE APPLIED UNIFORMLY AND SHALL BE FREE OF RUNS, SAGS, DRIPS, OR OTHER DEFECTS. THE INTERMEDIATE EPOXY COAT AND THE URETHANE FINISH COAT MAY BE SHOP-APPLIED BY BRUSH, ROLLER OR SPRAY. THE ORGANIC ZINC PRIMER SHALL BE APPLIED BY SPRAY ONLY.
- ALONG ANY CUT LINE, AND AT ALL FIELD WELDED REPAIRS, THE EXISTING PAINTED SURFACES SHALL BE CLEANED & PREPARED IN ACCORDANCE WITH SSPC SP 11 "POWER TOOL CLEANING TO BARE METAL" WITHIN 3 INCHES ON EACH SIDE OF THE CUT LINE, AND THEN PRIMED AFTER WITH AN APPROVED ORGANIC ZINC-RICH PRIMER.
- WHERE NEW MATERIAL IS TO BE BOLTED TO EXISTING MATERIAL, THE EXISTING CONTACT SURFACE SHALL BE CLEANED PER THE REQUIREMENTS OF SSPC SP 11 "POWER TOOL CLEANING TO BARE METAL." THE CONTACT SURFACES SHALL BE COATED WITH THE ORGANIC ZINC-RICH PRIMER PRIOR TO INSTALLATION OF NEW MATERIAL. WHERE NECESSARY, TARPS AND SCREENS WILL BE REQUIRED DURING PAINT REMOVAL OPERATION AND LARGE RUST SCALE WILL NOT BE PERMITTED TO BE DROPPED ON THE ROADWAY OR GROUND BELOW.
- FINISH COLOR : WEATHERED BROWN (FEDERAL STANDARD COLOR 20059)
- TEMPORARY COMPONENTS, IF REQUIRED, HAVE NO CLEANING OR PAINTING REQUIREMENTS.
- THE CONTRACTOR IS REQUIRED TO SETUP AND MAINTAIN CLASS 'A' CONTAINMENT FOR PAINTING OPERATIONS, IN ACCORDANCE WITH THE REQUIREMENTS FOR ITEM 570.150001 AND THE STANDARD SPECIFICATIONS.
- DISPOSAL OF BLASTED MATERIAL AND WASTE SHALL BE PAID FOR UNDER ITEM 571.04.

MIGRATORY BIRD TREATY ACT (MTBA)

- MIGRATORY BIRD TREATY ACT (MTBA): PROTECTED MIGRATORY BIRDS INCLUDE ALL WATERFOWL, HERONS, HAWKS, OWLS, EAGLES AND SONGBIRDS, INCLUDING SWALLOWS, ROBINS, AND EASTERN PHOEBES. THEIR FEATHERS, NESTS, AND EGGS ARE ALSO PROTECTED UNDER THE MBTA. OCCUPIED MIGRATORY BIRD NESTS TYPICALLY MAY BE FOUND WITH EGGS OR UNFLEDGED CHICKS FROM APRIL 15TH TO AUGUST 15TH. BRIDGES SCHEDULED FOR WORK DURING THIS TIME PERIOD SHOULD BE INSPECTED FOR BIRD NESTING ACTIVITY PRIOR TO COMMENCING ANY REHABILITATION OR CONSTRUCTION ACTIVITY.
- EXEMPT FROM THE MBTA, ARE ROCK DOVES (PIGEONS), HOUSE SPARROWS (ENGLISH SPARROWS), EUROPEAN STARLINGS, AND MONK PARAKEETS. ALTHOUGH THESE SPECIES ARE NOT PROTECTED UNDER THE ACT, THEY SHOULD STILL BE TREATED AS HUMANELY AS POSSIBLE AND, IF PRACTICABLE, THE REMOVAL OF THE YOUNG FROM THE NEST TO BE RAISED BY A WILDLIFE REHABILITATION SHOULD BE CONSIDERED.
- IF THERE ARE ANY QUESTIONS REGARDING HOW TO PROCEED WITH NESTING MIGRATORY BIRDS, IMMEDIATELY CONTACT THE TPE OR ENVIRONMENTAL SPECIALIST. UNDER NO CIRCUMSTANCE SHOULD AN OCCUPIED NEST OR MIGRATORY BIRD BE REMOVED, HARMED OR KILLED WITHOUT CONTACTING THE ENVIRONMENTAL SPECIALIST, THE TPE, OR OBTAINING A FEDERAL PERMIT.

ITS EQUIPMENT

- THE CONTRACTOR IS ADVISED THAT EXISTING ITS EQUIPMENT WILL BE PRESENT ON THE BRIDGE DURING CONSTRUCTION. ALL EXISTING ITS EQUIPMENT SHALL BE MAINTAINED AND PROTECTED DURING CONSTRUCTION AND PAINTING OPERATIONS.

WORK TO BE DONE

THE FOLLOWING IS A GENERAL DESCRIPTION OF THE REHABILITATION WORK TO BE DONE ON THE BRIDGE IN MULTIPLE STAGES. THE ORDER IS NOT NECESSARILY THE SEQUENCE OF OPERATIONS.

- PERFORM STEEL REPAIRS REQUIRED TO BE DONE PRIOR TO IMPLEMENTING STAGE 1 WORK ZONE TRAFFIC CONTROL.
- PREPARE THE ROADWAY FOR SHIFTING TRAFFIC, INCLUDING INSTALLATION OF TEMPORARY ASPHALT SHIM IN THE WESTBOUND RIGHT SHOULDER.
- INSTALL TEMPORARY EROSION CONTROL MEASURES AS NEEDED.
- REMOVE EXISTING APPROACH SLABS, GUIDE RAIL, BRIDGE RAILING, FENCING, AND CONCRETE DECK TO THE LIMITS INDICATED IN THE CONTRACT PLANS.
- INSTALL TEMPORARY SUPPORTS AS NECESSARY.
- MODIFY ABUTMENT BACKWALLS AND U-WALLS AS INDICATED IN THE CONTRACT PLANS.
- IMPLEMENT WORK ZONE TRAFFIC CONTROL MEASURES ALONG THE MAINLINE (I-90)
- PERFORM CONCRETE REPAIRS TO SUBSTRUCTURES.
- PERFORM STRUCTURAL LIFTING OPERATIONS. REMOVE EXISTING BEARINGS AND INSTALL NEW EXPANSION BEARINGS AT THE BEGIN AND END ABUTMENTS.
- PERFORM STEEL REPAIRS, AS INDICATED IN THE CONTRACT PLANS.
- INSTALL NEW SHEAR STUDS ON EACH GIRDER, AS INDICATED IN THE CONTRACT PLANS.
- CONSTRUCT NEW CONCRETE BRIDGE DECK, BRIDGE RAIL, PROTECTIVE SCREENING, APPROACH SLABS, SLEEPER SLABS, AND APPROACH PAVEMENT TO THE LIMITS INDICATED IN THE CONTRACT PLANS.
- INSTALL GUIDERAIL AS SHOWN IN IN THE CONTRACT PLANS.
- APPLY PROTECTIVE SEALER TO ALL NEW AND EXISTING EXPOSED SURFACES OF THE CONCRETE RECEIVING REPAIRS.
- REMOVE TEMPORARY ASPHALT SHIM AFTER STAGE 1 ONLY.
- REPEAT STEPS 2-14.
- PERFORM CLEANING AND PAINTING OPERATIONS OF ALL PRIMARY STRUCTURAL MEMBERS.
- INSTALL NEW PAVEMENT MARKINGS.
- REMOVE WORK ZONE TRAFFIC CONTROL MEASURES.
- REMOVE TEMPORARY EROSION CONTROL MEASURES.
- CLEAN AND RESTORE ALL DISTURBED AREAS WITHIN THE PROJECT SITE.

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

STEEL & FABRICATION NOTES

- ALL STEEL FABRICATION IS GOVERNED BY, AND SHALL MEET THE REQUIREMENTS OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL, 4TH EDITION (JANUARY 2018) AND SECTION 564 OF THE STANDARD SPECIFICATIONS EXCEPT AS DIRECTED WITHIN THESE PLANS OR AS ORDERED BY THE THRUWAY PROJECT ENGINEER.
- SHOP DRAWINGS SHALL BE SUBMITTED IN ENGLISH UNITS OF MEASURE AND IN ACCORDANCE WITH THE LATEST EDITION NEW YORK STATE STEEL CONSTRUCTION MANUAL (NYSSCM). THE WEIGHTS OF ALL COMPONENTS SHALL BE INDICATED ON THE BILL OF MATERIALS WITHIN THE SHOP DRAWINGS.
- NEW STRUCTURAL STEEL: STRUCTURAL STEEL PLATES OR SHAPES SHALL BE ASTM A709 GRADE 50 KSI.
- TEMPORARY STEEL IF REQUIRED, MAY BE 36 KSI OR 50 KSI STEEL.
- THE COST OF ALL STRUCTURAL STEEL REMOVAL & DISPOSAL, TORCH CUTTING, ANY LOCALIZED PAINT STRIPPING OR PATINA REMOVAL, WELD REMOVAL AND ALL ACCESS REQUIRED SHALL BE INCLUDED IN THE STEEL REPAIR ITEM.
- WHERE HOLES ARE INDICATED, CONNECTIONS SHALL BE MADE WITH 7/8"Ø HIGH-STRENGTH BOLTS UNLESS OTHERWISE SPECIFIED. ALL BOLTS SHALL BE ASTM A325 TYPE 3, WITH A563 DH HEAVY HEX NUTS AND (2) - F436 HARDENED WASHERS. ALL HOLES ARE 15/16"Ø U.N.O.
- ALL BOLTS SHALL BE FULLY TENSIONED IN ACCORDANCE WITH NYSSCM.
- THE COST FOR FIELD DRILLING & INSTALLATION OF ALL BOLTS, NUTS, WASHERS, WELDS AND MISC. SHIM/FILL PLATES SHALL BE INCLUDED IN THE STEEL REPAIR ITEM.
- NEW HOLES IN EXISTING MATERIAL SHALL BE DRILLED USING THE NEW PIECE AS THE TEMPLATE.
- ANY INCIDENTAL FIELD MODIFICATIONS, FIELD TRIMMING, RETROFITS, SHIMMING OR ADJUSTMENTS TO THE EXISTING OR NEW STEEL (E.G; COPEs, CUTS, CLIPS, REAMING) NECESSARY TO ENSURE PROPER FIT-UP OF ALL NEW STEEL COMPONENTS SHALL BE INCLUDED IN THE STEEL REPAIR ITEM.
- ADDITIONAL NOTES ARE INCLUDED IN THE APPLICABLE STEEL INSTALLATION OR STEEL REPAIR DRAWINGS.
- ALL NEW STEEL COMPONENTS SHALL BE OF DOMESTIC ORIGIN. THIS SHALL INCLUDE STRUCTURAL STEEL SHAPES, PLATES, FASTENERS, ETC.

CONSTRUCTION DETAILS

- ALL REPAIR WORK SHALL BE PERFORMED TO THE STRUCTURAL STEEL AS LOCATED AND/OR SHOWN IN THE CONTRACT DOCUMENTS AND ON THE APPROVED REPAIR DRAWINGS.
- CERTAIN SPECIALTY WORK MAY REQUIRE SPECIFIC PERSONNEL QUALIFICATION AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
- PRIOR TO THE START OF WORK, ANY LOOSE OR DAMAGED CONCRETE WHICH MAY POSE A HAZARD SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER.
- REPAIR OPERATIONS SHALL NOT BEGIN UNTIL ALL BLAST-CLEANED AREAS HAVE BEEN VISUALLY INSPECTED AND TESTED USING MAGNETIC PARTICLE INSPECTION TO IDENTIFY ANY CRACKS. CRACKS FOUND SHALL BE REPORTED TO THE METALS ENGINEERING UNIT FOR DISPOSITION.
- AT THE END OF DAILY WORK OPERATIONS, ALL EQUIPMENT OVER HEAD AND ADJACENT TO TRAVEL LANES SHALL BE REMOVED FROM THE STRUCTURE TO THE SATISFACTION OF THE ENGINEER. THIS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE REMOVAL OF JACKING DEVICES, TEMPORARY BRACING, COME-ALONGS, STEEL SHIMS, WOOD BLOCKING, BEAM CLAMPS, DRILLING EQUIPMENT, LOOSE MISCELLANEOUS IRON, FASTENERS, ETC.

BOLTED CONNECTIONS

- ALL BOLTED CONNECTIONS SHALL BE FRICTION TYPE. PRIOR TO ASSEMBLY, INNER PLIES SHALL BE FREE OF OIL, GREASE, LOOSE SCALE, BURRS, DIRT, PAINT AND OTHER FOREIGN MATERIAL THAT WILL PREVENT THE SOLID SEATING OF THE PARTS. THE INNER LAYER SHALL BE FILLED WITH CARBOLINE CARBOGUARD A-788, INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN THE BOLT DIAMETER.
- WHENEVER EXISTING HOLES IN STEEL MEMBERS ARE USED AS A TEMPLATE FOR THE DRILLING OF NEW HOLES, THE NEW BOLT HOLES SHALL BE MADE USING HOUGEN- OR JANCY-TYPE DRILLS. TWIST DRILLS WILL NOT BE ALLOWED.
- BOLTING AND BOLT TENSION VERIFICATION SHALL BE IN ACCORDANCE WITH SECTION 10 OF THE NYSSCM.

WELDING

- ALL WELDING SHALL BE PERFORMED BY NEW-YORK-STATE-CERTIFIED WELDERS/WELDING OPERATORS QUALIFIED TO PROCESS AND POSITION IN ACCORDANCE WITH SECTION 8 OF THE NYSSCM. ALL COSTS ASSOCIATED WITH WELDER/WELDING OPERATOR QUALIFICATION SHALL BE BORNE BY THE CONTRACTOR.
- TEMPERATURE-INDICATING CRAYONS SHALL BE IN THE POSSESSION OF ALL WELDERS WHILE PERFORMING WORK.
- THE INSTALLATION OF TEMPORARY ATTACHMENTS, TEMPORARY WELDS AND/OR TACK WELDS NOT TO BE INCORPORATED INTO PERMANENT WELDS WILL NOT BE ALLOWED UNLESS SPECIFICALLY APPROVED. ALL UNAUTHORIZED WELDING WILL BE CAUSE FOR THE REJECTION OF THE AFFECTED MATERIAL. THE COST TO REPAIR OR REPLACE THE REJECTED MATERIAL SHALL BE BORNE BY THE CONTRACTOR.
- AFTER ALL REQUIRED REPAIRS ARE COMPLETE, A MAGNETIC PARTICLE INSPECTION SHALL BE PERFORMED ON AND WITHIN 12" OF ANY AREAS THAT WERE HEATED, STRAIGHTENED, GROUND TO REMOVE SCRAPES AND GOUGES, OR WELDED.

EVALUATING, REMOVING AND INSTALLING REPLACEMENT DIAPHRAGMS AND CONNECTION PLATES

- WHEN AN EXISTING DIAPHRAGM AND/OR CONNECTION PLATE IS TO BE EVALUATED FOR REUSE, THEY SHALL BE EVALUATED AS FOLLOWS:

REMOVE PATINA AND DEBRIS FROM WITHIN 6" OF THE DIAPHRAGM CONNECTION BOLTS AND/OR CONNECTION PLATE AND 12" ON EITHER SIDE OF THE CONNECTION PLATE FILLET WELDS.

CAREFULLY REMOVE THE EXISTING FASTENERS WITHOUT CAUSING ANY DAMAGE TO THE DIAPHRAGM OR CONNECTION PLATE.

A VISUAL INSPECTION AND MAGNETIC PARTICLE TEST OF THE CLEANED AREAS SHALL BE PERFORMED TO IDENTIFY DAMAGE. AREAS OF INTEREST SHALL INCLUDE COMPONENT SURFACES, BOLT HOLES AND CONNECTION PLATE FILLET WELDS.

ALL REJECTABLE CONDITIONS AND INDICATIONS SHALL BE REPORTED TO THE NYS THRUWAY AUTHORITY METALS ENGINEERING UNIT FOR DISPOSITION.
- WHEN AN EXISTING DIAPHRAGM AND/OR CONNECTION PLATE IS TO BE REMOVED AND REPLACED, PAINT AND DEBRIS SHALL BE REMOVED FROM THE CONNECTION PLATE AND 12" ON EITHER SIDE OF THE CONNECTION PLATE WELDS AND ON BOTH SIDES OF THE GIRDER.

REMOVAL MAY BE BY AIR CARBON ARC GOUGING OR FLAME CUTTING.

CONNECTION PLATES SHALL BE REMOVED BY CUTTING TO WITHIN 1/8" MINIMUM OF ADJACENT BASE METAL. THE REMAINING WELD AND CONNECTION PLATE BASE METAL SHALL BE REMOVED BY GRINDING FLUSH WITH ADJACENT BASE METAL.

A VISUAL INSPECTION AND MAGNETIC PARTICLE TEST OF THE WELD REMOVAL AREA AND ADJACENT BASE METAL SHALL BE PERFORMED.

ALL REJECTABLE INDICATIONS SHALL BE REPORTED TO THE NYS THRUWAY AUTHORITY METALS ENGINEERING UNIT FOR DISPOSITION.
- UPON COMPLETION OF ALL REPAIR PROCEDURES AND ALL ASSOCIATED NONDESTRUCTIVE TESTING, INSTALL REPLACEMENT DIAPHRAGMS AND CONNECTION PLATES IN ACCORDANCE WITH DETAILS PROVIDED IN THE CONTRACT DOCUMENTS.

REPAIR OF NICKS, SCRAPES AND GOUGES

- NICKS, SCRAPES AND GOUGES IN COMPONENTS OF STEEL MEMBERS MAY BE REPAIRED BY GRINDING TO A SLOPE OF 1 ON 10, AND BLENDING IN SMOOTHLY TO ADJACENT BASE METAL, PROVIDING:
 - THE THICKNESS OF THE MATERIAL IS NOT REDUCED BY MORE THAN 20% OF THE ORIGINAL NOMINAL THICKNESS.
 - THE WIDTH OF THE FLANGE OR COVER PLATE IS NOT REDUCED BY MORE THAN 5% OF THE ORIGINAL NOMINAL WIDTH.
 - THE GOUGE DOES NOT REDUCE THE NOMINAL CROSS-SECTIONAL AREA OF THE COMPONENT BY MORE THAN 5% OF THE ORIGINAL NOMINAL CROSS SECTION. A COMPONENT IS DEFINED AS A WEB OR FLANGE OF A PLATE GIRDER, A WEB OR FLANGE OF A ROLLED BEAM GIRDER, A COVER PLATE EXCLUSIVE OF WELDS, A LEG OF AN ANGLE, ETC.
- NICKS, SCRAPES AND GOUGES THAT EXCEED THE ABOVE LIMITS MUST BE REPAIRED USING AN APPROVED PROCEDURE SIMILAR TO THE FOLLOWING:
 - PREPARE THE SURFACE BY GRINDING.
 - WELD WITH APPROVED PROCEDURES TO COMPLETELY FILL THE GOUGE.
 - GRIND FLUSH AND SMOOTH WITH THE ADJACENT BASE METAL.
 - ULTRASONICALLY TEST THE REPAIR WELD.
- ALL FINAL GRINDING MUST BE PARALLEL TO THE DIRECTION OF APPLIED STRESS IN THE MEMBER UNLESS THE SURFACE ROUGHNESS MEETS OR EXCEEDS AN ANSI 125 FINISH.

INSPECTION

QUALIFICATIONS:

- THE CONTRACTOR SHALL EMPLOY THE SERVICES OF QUALIFIED PERSONNEL TO PERFORM INSPECTION AND TESTING OF THE WORK. THE TYPE OF INSPECTION AND THE LOCATION SHALL BE AS SHOWN IN THE CONTRACT DOCUMENTS. THE FOLLOWING ARE CONSIDERED ACCEPTABLE QUALIFICATIONS:
 - PERSONNEL PERFORMING VISUAL INSPECTION SHALL POSSESS A CURRENT CERTIFICATION AS AN AMERICAN WELDING SOCIETY (AWS)-CERTIFIED WELDING INSPECTOR (CWI) IN ACCORDANCE WITH THE PROVISIONS OF AWS QC1, "STANDARD AND GUIDE FOR QUALIFICATION AND CERTIFICATION OF WELDING INSPECTORS."
 - PERSONNEL PERFORMING DYE PENETRANT, MAGNETIC PARTICLE INSPECTION OR RADIOGRAPHIC INSPECTION SHALL BE QUALIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF THE AMERICAN SOCIETY OF NONDESTRUCTIVE TESTING'S RECOMMENDED PRACTICE NO. SNT-TC-1A. ONLY INDIVIDUALS QUALIFIED FOR NDT LEVEL I WORKING UNDER THE SUPERVISION OF AN INDIVIDUAL QUALIFIED TO NDT LEVEL II, OR AN INDIVIDUAL QUALIFIED FOR NDT LEVEL II, MAY PERFORM NONDESTRUCTIVE TESTING.
 - PERSONNEL PERFORMING ULTRASONIC TESTING MUST BE CERTIFIED BY TESTS ADMINISTERED BY NYSDOT. A LIST OF NYSDOT-CERTIFIED ULTRASONIC TECHNICIANS IS AVAILABLE UPON REQUEST.

NONDESTRUCTIVE TESTING

- RADIOGRAPHIC INSPECTION (RT), WHEN REQUIRED, SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16 OF THE NYSSCM.
- ULTRASONIC TESTING (UT), WHEN REQUIRED, SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 17 OF THE NYSSCM. WELD FLAWS SHALL BE EVALUATED FOR ACCEPTANCE OR REJECTION IN ACCORDANCE WITH TABLE 1700B, "HIGHWAY & RAILWAY BRIDGES."
- MAGNETIC PARTICLE INSPECTION (MT), WHEN REQUIRED, MUST BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 18 OF THE NYSSCM USING THE YOKE TECHNIQUE, EXCEPT THAT SEPARATE TESTS MUST BE PERFORMED USING BOTH AC OUTPUT CURRENT TO INSPECT FOR SURFACE DISCONTINUITIES AND HALF-WAVE RECTIFIED DC OUTPUT CURRENT TO INSPECT FOR NEAR-SURFACE DISCONTINUITIES. THE YOKE MUST BE CAPABLE OF PRODUCING A FIELD STRENGTH OF 10 POUNDS (4.5 KG) MINIMUM FOR ALTERNATING CURRENT AND 40 POUNDS (18 KG) MINIMUM FOR DIRECT CURRENT AT THE MAXIMUM POLE SPACING TO BE USED IN THE WORK. THE PROD METHOD SHALL NOT BE USED.
- DYE PENETRANT INSPECTION (PT), WHEN REQUIRED, MUST BE PERFORMED IN ACCORDANCE WITH SECTION 19 OF THE NYSSCM. DYE PENETRANT TESTING MAY BE SUBSTITUTED FOR MAGNETIC PARTICLE TESTING WHEN APPROVED BY THE ENGINEER.

REPORTS

DISCONTINUITIES FOUND AS A RESULT OF VISUAL INSPECTION OR NONDESTRUCTIVE TESTING SHOULD BE LOCATED, EVALUATED AND REPORTED IN ACCORDANCE WITH THE APPROPRIATE SECTIONS OF THE NYSSCM UPON COMPLETION OF THE INSPECTION. INDICATIONS OF CRACKS MUST ALSO BE REPORTED TO THE ENGINEER IMMEDIATELY.

FINAL AS-BUILT DRAWINGS

UPON COMPLETION OF ALL WORK, THE CONTRACTOR SHALL PROVIDE THE THRUWAY PROJECT ENGINEER WITH AS-BUILT DRAWINGS OF ALL REPAIR WORK PERFORMED. THESE AS-BUILT DRAWINGS SHALL BE INCLUDED IN THE FINAL SUBMITTAL OF THE REPAIR WORK DOCUMENTS FOR INCLUSION IN THE B.I.N. FOLDER FOR FUTURE BRIDGE INSPECTIONS.

New York State Thruway Authority Standard Sheets

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

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

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

REV. 05/25

Highway Work Type

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

MILEPOST FROM:	158.54						
TO:	158.54						
PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing	X						
3R Rehabilitation							
Reconstruction							
Safety Improvements							
Drainage							
Rock Slope Remediation							
Pavement Striping	X						
Other: Railing System	X						
PAVEMENT TREATMENT	X	X	X	X	X	X	X
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling							
1" Mill & Inlay without Shoulders							
1" Mill & Inlay with Shoulders							
2" Mill & Inlay without Shoulders							
2" Mill & Inlay with Shoulders							
Mill to Concrete with 4" Overlay							
Mill to Concrete with 4.5" Overlay							
Mill to Concrete with 5" Overlay							
Crack and Seat with Overlay							
Rubblize with Overlay							
Other:							

Structure Work Type

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

MILEPOST:	158.54						
PROJECT TYPE	X	X	X	X	X	X	X
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System	X						
Protective Screening	X						
Painting	X						
Steel Repair	X						
Wearing Surface Treatment	X						
Deck Repairs							
Joint Rehabilitation							
Joint Replacement	X						
Bearing Rehabilitation							
Bearing Replacement	X						
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation	X						
Electrical	X						
Cathodic Protection System							
Fendor or Pier Protection System							
Deck Replacement	X						
Superstructure Replacement							
Bridge Replacement							
Added Bridge (New Location)							
Abandoned Bridge							
Other:							

New York State Department of Transportation Standard Sheets

The latest revisions of the New York State Department of Transportation Standard Sheets maintained by NYSDOT, which are current as of the Standard Specifications adaption 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 adapted 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>

REVISIONS					Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYM.			LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
						TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-01

1" SAWCUT ALONG ALL EDGES (TYP.). COST TO BE INCLUDED UNDER ITEM 582.0051.

EXPOSED FACE OR SURFACE OF CONCRETE

NOTE:
THE EXISTING CONCRETE SURFACE CAN BE PLANAR OR CURVED.

TYPICAL CONCRETE SURFACE REPAIR
SECTION
SCALE: NTS

SOUND CONCRETE

REMOVE ALL UNSOUND CONCRETE AND REPLACE WITH NEW STRUCTURAL CONCRETE, ITEM 582.0051

NEW REBAR (WHERE REQUIRED) SHALL BE REPLACED OF LIKE SIZE AND COATING, SPICED (TIED OR WELDED AOE) TO EXISTING BARS, AND PAID FOR UNDER THE APPLICABLE REBAR ITEM.

EXISTING REINFORCEMENT SHALL BE CLEANED UNDER ITEM 582.0051

ALL SURFACES SHALL BE CLEANED AND PREPARED AS DESCRIBED IN NOTE 5 BELOW. THE COST FOR THIS WORK TO BE INCLUDED IN THE PRICE BID FOR ITEM 582.0051.

EDGES OF CONCRETE REMOVAL SHALL BE "DOVETAILED" TO CREATE A GREATER BASE CAVITY

1/2" MIN.

LIMIT OF REPAIR

1/2" MIN.

CONCRETE DETERIORATION REPAIR

CONCRETE SURFACE REPAIR
SCALE: NTS

PE STAMP & SIGNATURE
ARE NOT REQUIRED
ON THIS SHEET.

REMOVE ALL UNSOUND CONCRETE AND REPLACE WITH NEW STRUCTURAL CONCRETE, ITEM 582.0051

1" SAWCUT (TYP.) UNDER ITEM 582.0051

MAJOR CRACK

SPALL OR HOLLOW-SOUNDING CONCRETE (TYP.)

1" SAWCUT (TYP.) UNDER ITEM 582.0051

CONCRETE CRACK REPAIR

EDGES OF CONCRETE REMOVAL SHALL BE "DOVETAILED" TO CREATE A GREATER BASE CAVITY

REMOVE UNSOUND CONCRETE, REPLACE WITH NEW STRUCTURAL CONCRETE, ITEM 582.0051

SOUND CONCRETE

1" SAWCUT (TYP.) UNDER ITEM 582.0051

EXISTING REINFORCEMENT SHALL BE CLEANED UNDER ITEM 582.0051

ALL SURFACES SHALL BE CLEANED AND PREPARED AS DESCRIBED IN NOTE 5 BELOW. THE COST FOR THIS WORK TO BE INCLUDED IN THE PRICE BID FOR ITEM 582.0051.

NEW REBAR (WHERE REQUIRED) SHALL BE REPLACED OF LIKE SIZE AND COATING, SPICED (TIED OR WELDED AOE) TO EXISTING BARS, AND PAID FOR UNDER THE APPLICABLE REBAR ITEM.

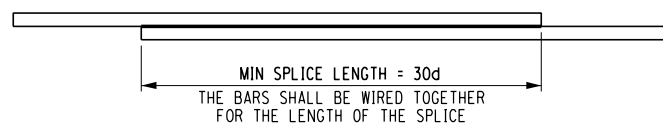
SECTION A-A
SECTION B-B SIMILAR
SCALE: NTS

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"

CONCRETE REPAIR NOTES:

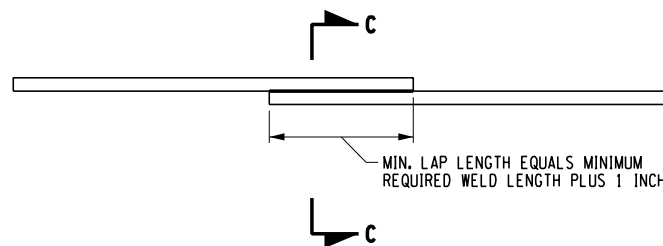
- FOR GENERAL NOTES, SEE DRAWING BGN-002.
- SUBSTRUCTURE DETERIORATION REQUIRING REPAIR AS INDICATED ON THE PLANS HAS BEEN DETERMINED BY A FIELD INSPECTION. ALL OF THE MAJOR AREAS KNOWN TO EXIST AT THE TIME HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION THAT WILL HAVE TO BE REPAIRED BY THE CONTRACTOR.
- THE ANTICIPATED EXTENT OF CONCRETE REPAIR HAS BEEN INDICATED ON THE CONTRACT PLANS. THE PROJECT ENGINEER SHALL EXAMINE THE SUBSTRUCTURE CONCRETE AND ESTABLISH THOSE AREAS OF REPAIR TO BE MADE WITH PERFORMANCE ENGINEERED MIXTURE (PEM) PORTLAND CEMENT CONCRETE. THE EXTENT OF CONCRETE REPAIR TO BE MADE SHALL BE APPROVED BY THE PROJECT ENGINEER.
- DETERIORATED REINFORCEMENT SHALL BE REPLACED OF LIKE SIZE AND LIKE COATING, AND A MINIMUM LAP OF 30 BAR DIAMETERS OR A WELDED SPICE SHALL BE PROVIDED. (SEE WELDED SPICE DETAILS ON THIS DRAWING.) IF WELDED, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL."
- WHEN JOINING FRESH CONCRETE TO NEW CONCRETE WHICH HAS ALREADY BEEN SET, OR TO EXISTING CONCRETE, THE CONCRETE IN PLACE SHALL HAVE ITS SURFACE SCOURED OR ABRADED WITH A SUITABLE TOOL TO REMOVE ALL LOOSE AND FOREIGN MATERIALS. THIS SURFACE SHALL BE SCRUBBED WITH WIRE BROOMS. AFTER THE SURFACE PREPARATION HAS BEEN ACCEPTED, THIS SURFACE SHALL BE THOROUGHLY WET AND KEPT SO FOR A PERIOD OF 12 HOURS IMMEDIATELY PRIOR TO PLACING THE NEW CONCRETE. THIS MAY BE ACCOMPLISHED BY CONTINUOUS WETTING WITH SOAKER HOSES OR THE USE OF BURLAP/BURLENE/ETC. SO THAT MOISTURE CAN BE MAINTAINED. IF, IN THE OPINION OF THE ENGINEER, CONDITIONS OR THE SITUATION PROHIBITS THIS, THEN THE SURFACE SHALL BE WETTED FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL REMOVE ANY PUDDLES OR FREE-STANDING WATER WITH OIL-FREE COMPRESSED AIR AND PROTECT THE SURFACE FROM DRYING SO THAT THE EXISTING CONCRETE REMAINS IN A CLEAN, SATURATED, SURFACE-DRY CONDITION UNTIL PLACEMENT OF THE NEW CONCRETE. IMMEDIATELY BEFORE PLACING THE NEW CONCRETE, THE FORMS SHALL BE DRAWN TIGHT AGAINST THE CONCRETE ALREADY IN PLACE.
- AT ALL CONCRETE REMOVAL LOCATIONS, THE MINIMUM DEPTH OF REMOVAL SHALL BE NO LESS THAN 1/2" BEHIND THE INNERMOST LAYER OF EXPOSED REINFORCING BARS, OR TO SOUND CONCRETE, WHICHEVER IS GREATER.
- WHERE CONCRETE REMOVAL AND REPLACEMENT NECESSITATES ADJACENT SEPARATE CONCRETE PLACEMENTS, CONCRETE REMOVAL SHALL NOT BE ALLOWED WITHIN 1 FOOT OF ADJACENT REPAIR AREAS. ADJACENT AREAS WHERE THIS 1 FOOT BUFFER IS NOT ATTAINABLE SHALL BE COMBINED INTO A SINGLE REPAIR AREA.
- IN SEQUENCING WORK, THE CONTRACTOR SHALL NOT BEGIN CONCRETE REMOVAL AT A LOCATION ADJACENT TO A COMPLETED REPAIR AREA UNTIL A MINIMUM OF 7 CURING DAYS HAVE PASSED.
- A PROTECTIVE OR COATING SEALER FOR CONCRETE SHALL BE APPLIED TO ALL EXPOSED SUBSTRUCTURE CONCRETE SURFACES.
- THE EXTENT OF CONCRETE REMOVAL FOR ANY COMPONENT SHALL NOT JEOPARDIZE ITS STRUCTURAL INTEGRITY. THE CONTRACTOR SHALL HIRE A NYS LICENSED ENGINEER TO PROVIDE A REMOVAL PLAN AND SCHEDULE OF DETERIORATED CONCRETE. THE PLAN AND SCHEDULE SHALL BE REVIEWED AND APPROVED BY THE NYSTA PROJECT ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALTHOUGH THE DEPTH OF REMOVAL TO SOUND CONCRETE MAY, AT SOME LOCATIONS, EXTEND TO DEPTHS GREATER THAN 5 INCHES, IT IS THE INTENT OF THIS PROJECT THAT THE CONTRACTOR SHALL MAKE ALL NECESSARY REPAIRS WITH PERFORMANCE ENGINEERED MIXTURE (PEM) PORTLAND CEMENT CONCRETE PER ITEM 582.0051.



TIED SPICE LAP
PLAN

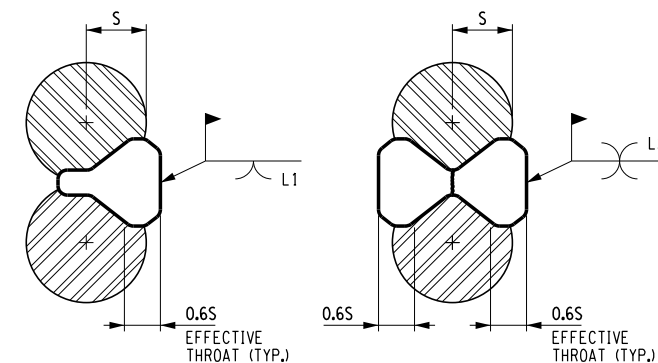
SCALE: NTS

d = BAR SIZE/DIAMETER



WELDED SPICE LAP
PLAN

SCALE: NTS



SINGLE FLARE V-GROOVE WELD

DOUBLE FLARE V-GROOVE WELD

SECTION C-C
SCALE: NTS

S = REINFORCING BAR
NOMINAL RADIUS (TYP.)

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
STRUCTURAL CONCRETE
REPAIR DETAILS

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
CR-01

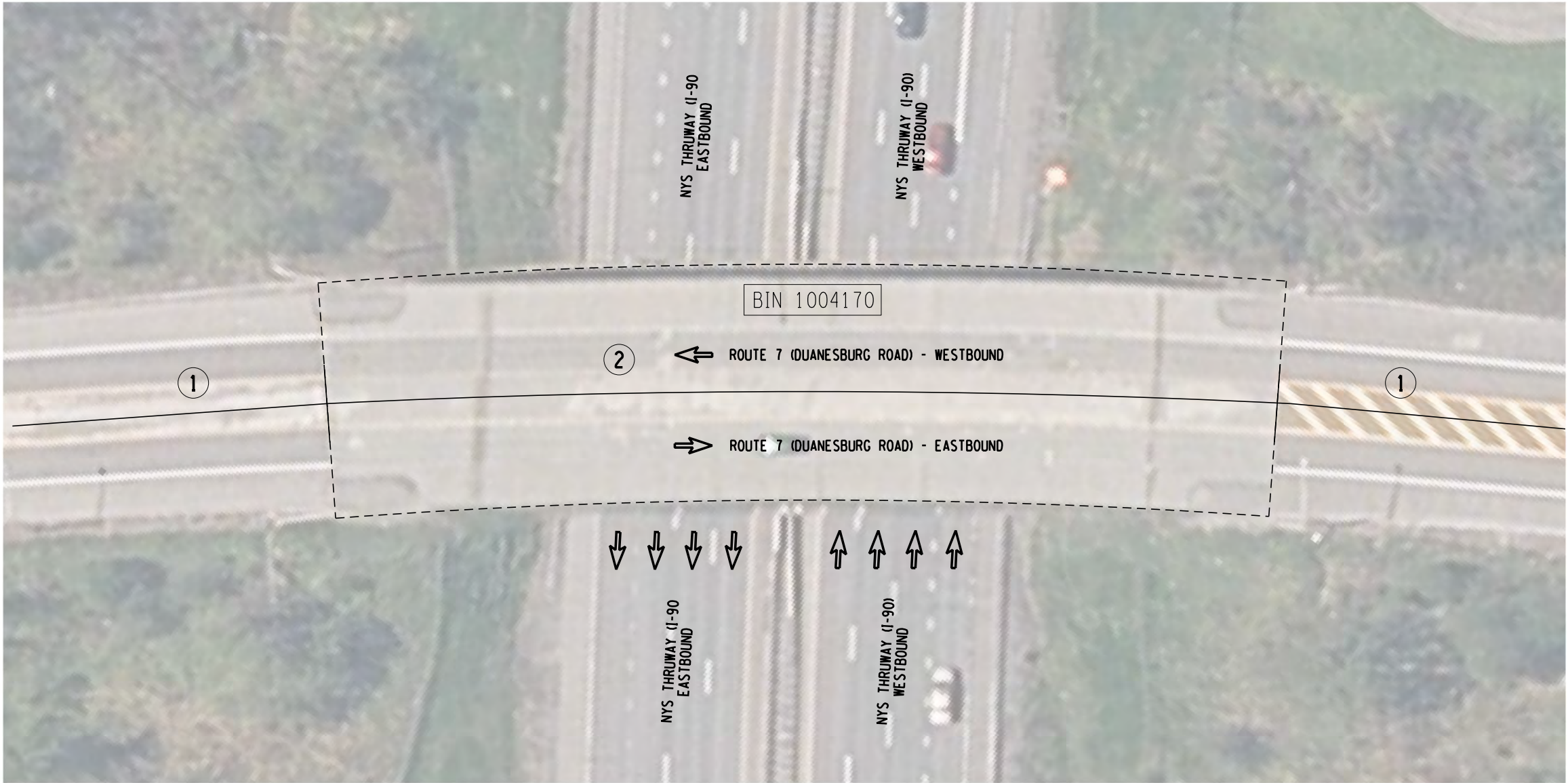
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE



MAINTENANCE JURISDICTION PLAN

SCALE: 1" = 40'-0"

MAINTENANCE JURISDICTION TABLE

AREA NO.	AREA DESCRIPTION	FEATURES TO BE MAINTAINED	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
①	NYS ROUTE 7 BRIDGE OVER THE THRUWAY (I-90) BIN 1004170	ALL FEATURES OF CONSTRUCTION, INCLUDING PAVEMENT, SHOULDERS, TRAFFIC SIGNALS, TRAFFIC SIGNS AND SUPPORTS, PAVEMENT MARKINGS, GUIDERAIL, DRAINAGE SYSTEM, LIGHTING AND UTILITIES	NEW YORK STATE DEPARTMENT OF TRANSPORTATION	HIGHWAY LAW SECTION 12
②	NYS ROUTE 7 BRIDGE OVER THE THRUWAY (I-90) BIN 1004170	LIGHTING, UTILITIES, AND ONLY PAVEMENT ON THE BRIDGE.	NEW YORK STATE DEPARTMENT OF TRANSPORTATION	HIGHWAY LAW SECTION 12
②	NYS ROUTE 7 BRIDGE OVER THE THRUWAY (I-90) BIN 1004170	ENTIRE BRIDGE STRUCTURE OVER THE THRUWAY, EXCEPT PAVEMENT.	NEW YORK STATE THRUWAY AUTHORITY	PUBLIC AUTHORITIES LAW SECTION 359-4

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING MAINTENANCE JURISDICTION TABLE	DRAWING NUMBER: MJP-01

GENERAL WORK ZONE TRAFFIC CONTROL NOTES

- THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH THE MOST RECENT NYSDOT STANDARD SPECIFICATION - SECTION 619 WORK ZONE TRAFFIC CONTROL, THE RECENT EDITION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NYS SUPPLEMENT TO THE NATIONAL MUTCD, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E.
- FOR TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PLANS, THE PROVISIONS OF THE CURRENT MUTCD PART 6, AND NYS SUPPLEMENT TO THE MUTCD SHALL APPLY. THE STANDARDS OF APPLICATION NOTED THEREIN AND ON THE PLANS ARE TO BE CONSIDERED MINIMUM STANDARDS.
- PRIOR TO THE START OF ANY CONSTRUCTION PHASE, ALL PROPOSED WORK ZONE TRAFFIC CONTROL RELATED WORK FOR THAT PHASE, AS DETERMINED BY THE ENGINEER, SHALL BE COMPLETE. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL SIGNS, SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES DRUMS, ETC.) AND ANY OTHER RELATED WORK.

SIGNS

- DISTANCES SHOWN ARE APPROXIMATE ONLY AND MAY BE REVISED A.O.B.E.
- THE SIGNING SHOWN IS A MINIMUM ONLY. ADDITIONAL SIGNING MAY BE REQUIRED TO MEET TRAFFIC AND/OR FIELD CONDITIONS. A.O.B.E.
- THE CORRECT SEQUENCE AND SPACING OF SIGNS, WHETHER PERMANENT TEMPORARY, OR CONSTRUCTION, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, NYS SUPPLEMENT, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E.
- ALL SIGNS, INCLUDING GUIDE SIGNS, SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, MOVED, REMOVED, RELOCATED OR CHANGED IMMEDIATELY AFTER CONDITIONS CHANGE, OR A.O.B.E.
- APPROPRIATE WARNING SIGNS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E. SHALL PRECEDE EACH WORK AREA BEFORE WORKING WITHIN THE ROADWAY AND/OR CLEAR ZONE.
- ALL SIGNS NECESSARY FOR THE WORK ZONE TRAFFIC CONTROL INCLUDING RELOCATION AND/OR MODIFICATION AND/OR RESTORATION OF EXISTING SIGN PANELS AS NOTED IN THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NYS SUPPLEMENT TO THE MUTCD, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E SHALL BE INCLUDED IN THE BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL, ITEM 619.01.
- THE THRUWAY PROJECT ENGINEER AND/OR DIVISION TRAFFIC SUPERVISION SHALL APPROVE THE CONDITION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES PRIOR TO USE. THE THRUWAY PROJECT ENGINEER AND/OR DIVISION TRAFFIC SUPERVISION SHALL ALSO REVIEW THE PROPOSED TEMPORARY TRAFFIC CONTROL PLAN (FOR PRECISE DEVICE POSITIONING) PRIOR TO INSTALLATION.

DELINEATION AND CHANNELIZATION

- THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE WORK ZONE. ALL DISLODGED DELINEATION DEVICES AND/OR OBSCURED PAVEMENT MARKINGS WILL BE RESET AND/OR RE-MARKED AS REQUIRED. OR A.O.B.E.
- THE CONTRACTOR SHALL NOT MIX DELINEATION DEVICES IN A LINEAR CLOSURE OR TAPER (I.E. CONES, VERTICAL PANELS, OR DRUMS SHALL NOT BE USED IN THE SAME TAPER OR CLOSURE). HOWEVER, DIFFERENT WORK AREAS WITHIN THE PROJECT LIMITS MAY USE DIFFERENT DELINEATION DEVICES.

CONSTRUCTION ACTIVITIES

- UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER, WORK AREAS ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP OR CO-EXIST.
- NO MATERIAL IS TO BE STORED WITHIN THE CLEAR ROADSIDE AREA OTHER THAN THAT MATERIAL WHICH WILL BE PLACED THAT DAY, WITHOUT THE APPROVAL OF THE ENGINEER. THE CLEAR ROADSIDE AREA IS DEFINED AS THE AREA WITHIN 30 FEET OF THE EDGE OF TRAVEL LANE.
- CONSTRUCTION EQUIPMENT SHALL BE REMOVED FROM THE CLEAR ROADSIDE AREA DURING HOURS THAT THE CONTRACTOR IS NOT WORKING. THIS REQUIREMENT SHALL NOT BE LIMITED TO THE CONTRACT LIMITS.
- NO PRIVATE VEHICLES (OWNED BY THE CONTRACTOR'S EMPLOYEES) SHALL BE PARKED ON THRUWAY PROPERTY. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL MARSHALL AT AN OFF-SITE YARD AND TRAVEL TO THE WORK SITE IN CONTRACTOR OWNED WORK VEHICLES.
- CONTRACTOR VEHICLES NOT IN USE SHALL NOT BE PARKED IN THE CLEAR ROADSIDE AREA, OR ANY OTHER LOCATION CONSIDERED BY THE ENGINEER TO BE A HAZARD.

BRIDGE CLOSURE

- THE CONTRACTOR SHALL ONLY BE PERMITTED TO CLOSE THE BRIDGE TO TRAFFIC UPON REVIEW AND APPROVAL OF A CONSTRUCTION SCHEDULE SHOWING CONTINUOUS SEQUENTIAL CONSTRUCTION ACTIVITY AS ALLOWED PER THE CONTRACT.

NYS THRUWAY AUTHORITY STANDARD SHEETS FOR WORK ZONE TRAFFIC CONTROL

- FOR ADDITIONAL DETAILS ON WORK ZONE TRAFFIC CONTROL, SUCH AS LANE AND SHOULDER CLOSURE REFER TO THE APPLICABLE SHEETS IN THE NYS THRUWAY AUTHORITY STANDARD SHEETS FOR WORK ZONE TRAFFIC CONTROL.

NYSDOT STANDARD SHEETS FOR WORK ZONE TRAFFIC CONTROL

- FOR ADDITIONAL DETAILS ON WORK ZONE TRAFFIC CONTROL, SUCH AS LANE AND SHOULDER CLOSURE REFER TO THE APPLICABLE SHEETS IN THE 619 SERIES OF NYSDOT STANDARD SHEETS. PAYMENT FOR ANY ADDITIONAL SIGNINGS, FLAGGERS, OR TRAFFIC CONTROL DEVICES SHALL BE INCLUDED UNDER ITEM 619.01.

MISCELLANEOUS

- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ANY SUBCONTRACTORS, PUBLIC MAINTENANCE, OR UTILITIES OPERATIONS IN THE PROJECT AREA TO ENSURE PROPER MAINTENANCE OF TRAFFIC.
- IN ACCORDANCE WITH SECTION 107-05 (F) OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL COMPLETELY ENCLOSE, BY SAFETY WIRE FENCE, ALL POTENTIALLY HAZARDOUS LOCATIONS. PAYMENT FOR INSTALLATION AND REMOVAL OF THIS ITEM SHALL BE INCLUDED IN THE BID PRICE FOR WORK ZONE TRAFFIC CONTROL, ITEM 619.01.
- SCHENECTADY COUNTY: EMERGENCY SERVICES (518) 370-3113. [HTTPS://SCHENECTADYCOUNTYNY.GOV/EMO](https://schenectadycountyny.gov/emo)
- THE CONTRACTOR IS REQUIRED TO CONTACT ALL SCHOOLS AND EMERGENCY RESPONSE AGENCIES THAT MAY BE AFFECTED BY WORK ASSOCIATED WITH THIS PROJECT TO NOTIFY THEM OF ANTICIPATED CHANGES IN TRAVEL CONDITIONS. IN ADDITION, THESE ORGANIZATIONS SHALL BE UPDATED EACH TIME PROJECT ACTIVITIES CHANGE AND NEW TRAVEL CONDITIONS ARE CREATED. NOTIFICATIONS AND UPDATES SHALL BE PROVIDED AT LEAST TWO WEEKS PRIOR TO THE ALTERATION OF TRAVEL CONDITIONS.

NIGHT TIME OPERATIONS

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

CONSTRUCTION STAGING NOTES

- FOR EACH CONSTRUCTION STAGE ON DUANESBURG ROAD, TRAFFIC LANES BENEATH THE BRIDGE ON MAINLINE I-90 SHALL BE PROTECTED AT ALL TIMES THROUGH PHASED TEMPORARY LANE CLOSURES, IN COORDINATION WITH BRIDGE STAGING ACTIVITIES ON DUANESBURG ROAD.
- REFER TO NYSTA STANDARD SHEET TA 619-31 FOR APPLICABLE LANE CLOSURE CHARTS FOR THE SEGMENT BETWEEN INTERCHANGE 25 AND INTERCHANGE 25A.
- IT IS RECOMMENDED THAT THE CONTRACTOR STAGE THE UNDERSIDE OF THE BRIDGE TO ENSURE THAT DEMOLITION AND RECONSTRUCTION ACTIVITIES ALIGN WITH THE PROPOSED DECK POUR SEQUENCE.
- TEMPORARY LANE CLOSURE AND SHOULDER CLOSURE ON MAINLINE I-90 MAY BE IMPLEMENTED ON ONLY ONE SIDE AT A TIME WITHIN THE SAME MILEPOST.

WZTC SUGGESTED SEQUENCE OF OPERATIONS

- THE SEQUENCE OF CONSTRUCTION AND THE NOTES BELOW ARE TO ALERT THE CONTRACTOR OF THE WORK TO BE DONE AND THE CONSTRAINTS IMPOSED BY THE CONTRACT. THE WORK NOTED FOR EACH SEQUENCE OF CONSTRUCTION DOES NOT CONSTITUTE ALL THE ACTIVITES TO BE DONE NOR DOES THE ORDER OF THE NOTES REPRESENT THE SEQUENCE TO BE FOLLOWED.

PRE-STAGE

- INSTALL INLET PROTECTION AND EROSION CONTROL MEASURES.
- IMPLEMENT NYSTA STANDARD SINGLE RIGHT LANE CLOSURE (TA 619-11) AND STANDARD CLOSURE NEAR DECELERATION LANE (TA 619-16) ON WESTBOUND I-90 TO FACILITATE STEEL GIRDER END REPAIRS AS INDICATED IN DWG. ST-14.
- IMPLEMENT NYSDOT STANDARD SHORT TERM TEMPORARY RIGHT SHOULDER CLOSURE (NYSDOT STD. SHT. 619-201) TO INSTALL 5" THICK ASPHALT SHIM ON THE NORTH SIDE OF THE EXISTING BRIDGE DECK AND APPROACH SHOULDER AS INDICATED IN DWG. TCS-01.

FLAGGING

- FLAGGING OPERATIONS ON ROUTE 7 ARE PROHIBITED DAILY BETWEEN 6:00 AM AND 7:00 PM.

STAGE 1

STAGE 1 LANE SHIFT WILL DIRECT TRAFFIC TO TRAVEL ON THE WESTBOUND SIDE OF DUANESBURG ROAD (SR.-7), THUS ALLOWING REHABILITATION AND RECONSTRUCTION OF THE EASTBOUND BRIDGE DECK.

ALL WORK LISTED BELOW IS DONE WITHIN THE STAGE 1 WORK SPACE AS SHOWN ON THE WZTC STAGE 1 PLANS.

- IMPLEMENT STAGE 1 WORK ZONE TRAFFIC CONTROL PLAN ON DUANESBURG ROAD INCLUDING INSTALLATION OF TEMPORARY POSITIVE BARRIER, INTERIM PAVEMENT MARKINGS AND SIGNING. REMOVE ALL CONFLICTING SIGNING AND PAVEMENT MARKINGS.
- UTLIZE APPLICABLE NYSTA STANDARD TEMPORARY LANE CLOSURES BENEATH THE BRIDGE. SEE COSTRUCTION STAGING NOTES.
- PERFORM FULL DEPTH REMOVALS OF BRIDGE DECK INCLUDING THE JOINT HEADERS, RAILINGS, FENCING, AND APPROACH SLABS.
- PERFORM PROPOSED WORK OPERATIONS FOR BEARING REPLACEMENT, REMAINING STEEL GIRDER END REPAIRS, BACKWALL RECONSTRUCTION AND SUBSTRUCTURE REPAIRS.
- PERFORM PROPOSED DECK WORK: INSTALL NEW CONCRETE DECK SLAB, BRIDGE RAILING AND FENCE.
- PERFORM PROPOSED APPROACH WORK: INSTALL NEW APPROACH SLABS, SLEEPER SLABS, APPROACH ASPHALT, AND INSTALL NEW BRIDGE TRANSITION RAIL, AND APPROACH GUIDE RAILING.
- INSTALL CONTAINMENT SYSTEMS AND CONDUCT STEEL CLEANING AND PAINTING OPERATIONS.
- REMOVE APPLICABLE STAGE 1 WZTC SIGNS IN PREPARATION FOR STAGE 2.

STAGE 2

STAGE 2 WILL DIRECT TRAFFIC TO THE EASTBOUND SIDE OF DUANESBURG ROAD (SR.-7), THUS ALLOWING REHABILITATION AND RECONSTRUCTION OF THE WESTBOUND BRIDGE DECK.

ALL WORK LISTED BELOW IS DONE WITHIN THE STAGE 2 WORK SPACE AS SHOWN ON THE WZTC STAGE 2 PLANS.

- IMPLEMENT STAGE 2 WORK ZONE TRAFFIC CONTROL PLAN ON DUANESBURG ROAD INCLUDING INSTALLATION OF TEMPORARY POSITIVE BARRIER, INTERIM PAVEMENT MARKINGS AND SIGNING. REMOVE ALL CONFLICTING SIGNING AND PAVEMENT MARKINGS.
- UTILIZE APPLICABLE NYSTA STANDARD TEMPORARY LANE CLOSURES BENEATH THE BRIDGE. SEE COSTRUCTION STAGING NOTES.
- PERFORM FULL DEPTH REMOVALS OF BRIDGE DECK INCLUDING THE JOINT HEADERS, RAILINGS, FENCING, LIGHT POLE, AND APPROACH SLABS.
- PERFORM PROPOSED WORK OPERATIONS FOR BEARING REPLACEMENT, REMAINING STEEL GIRDER END REPAIRS, BACKWALL RECONSTRUCTION AND SUBSTRUCTURE REPAIRS.
- PERFORM PROPOSED DECK WORK: INSTALL NEW CONCRETE DECK SLAB, BRIDGE RAILING, FENCE AND RE-INSTALL EXISTING LIGHT POLE ON THE LOCATION DENOTED ON THE PROPOSED BRIDGE PLAN.
- PERFORM PROPOSED APPROACH WORK: INSTALL NEW APPROACH SLABS, SLEEPER SLABS, APPROACH ASPHALT, AND INSTALL NEW BRIDGE TRANSITION RAIL, AND APPROACH GUIDE RAILING.
- INSTALL CONTAINMENT SYSTEMS AND CONDUCT STEEL CLEANING AND PAINTING OPERATIONS.
- MAINTAIN ALL STAGE 2 WZTC SIGNS IN PREPARATION FOR CLOSURE POUR IN STAGE 3.

STAGE 3 - CLOSURE POUR

STAGE 3 WILL CONTINUE TO USE STAGE 2 WZTC SETUP FOR CLOSURE POUR ON THE BRIDGE AND APPROACH SLABS.

ALL WORK LISTED BELOW IS DONE WITHIN THE STAGE 3 WORK SPACE AS SHOWN ON THE WZTC STAGE 3 PLANS.

- IMPLEMENT STAGE 3 WORK ZONE TRAFFIC CONTROL PLAN INCLUDING MAINTAINING THE TEMPORARY POSITIVE BARRIER, INTERIM PAVEMENT MARKINGS AND SIGNING THAT WAS INSTALLED IN STAGE 2.
- UTILIZE APPLICABLE NYSTA STANDARD TEMPORARY LANE CLOSURES BENEATH THE BRIDGE. SEE CONSTRUCTION STAGING NOTES.
- PERFORM CLOSURE POUR ON THE BRIDGE AND APPROACH SLABS.
- REMOVE APPLICABLE STAGE 3 WZTC SIGNS IN PREPARATION FOR POST-STAGE.

POST-STAGE

- INSTALL NEW PERMANENT PAVEMENT MARKINGS FOR BOTH DIRECTIONS OF TRAFFIC ON THE BRIDGE DECK AND APPROACHES.
- RESTORE ALL DISTURBED AREAS WITHIN THE PROJECT LIMIT TO PRE-CONSTRUCTION CONDITION.
- COMPLETE FINAL PUNCH LIST ITEMS.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING TEMPORARY POSITIVE BARRIER, INTERIM PAVEMENT MARKINGS AND SIGNING FROM THE PROJECT.
- REMOVE INLET PROTECTION AND EROSION CONTROL MEASURES, CLEAN OUT INLETS AND DRAINAGE PIPES OF SEDIMENT NOT CONTAINED BY INLET PROTECTION.
- REMOVE FIELD OFFICE AND RESTORE SITE TO PRE-CONSTRUCTION CONDITION.
- CLEAN THE PROJECT SITE.

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08/06/2025

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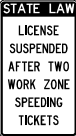
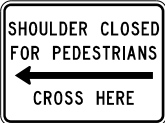
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

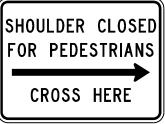
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC NOTES	DRAWING NUMBER: TCN-01

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE (INCHES)	COLOR		REMARKS
				BACKGROUND	LEGEND	
1		G20-2	36"x18" (NON-FREEWAY) 48"x24" (FREEWAY)	ORANGE	BLACK	
2		NYR9-11	24"x42" (NON-FREEWAY) 48"x84" (FREEWAY)	WHITE	BLACK	NYS SUPPLEMENT TO MUTCD
3		NYW8-33	48"x24"	ORANGE	BLACK	NYS SUPPLEMENT TO MUTCD
4		OM3-L	12"x36"	YELLOW	BLACK	
5		OM3-R	12"x36"	YELLOW	BLACK	
6		R9-9	24"x12"	WHITE	BLACK	
7		R9-11L (MOD.)	48"x36"	WHITE	BLACK	REFER TO SUPPLEMENTAL INFORMATION

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE (INCHES)	COLOR		REMARKS
				BACKGROUND	LEGEND	
8		R9-11R (MOD.)	48"x36"	WHITE	BLACK	REFER TO SUPPLEMENTAL INFORMATION
9		W1-6L	48"x24"	ORANGE	BLACK	
10		W1-6R	48"x24"	ORANGE	BLACK	
11		W11-2L	36"x36"	FLOURESCENT YELLOW GREEN	BLACK	
12		W11-2R	36"x36"	FLOURESCENT YELLOW GREEN	BLACK	
13		W16-7PL	24"x12"	FLOURESCENT YELLOW GREEN	BLACK	
14		W16-7PR	24"x12"	FLOURESCENT YELLOW GREEN	BLACK	

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC SIGN TEXT DATA (1 OF 2)		DRAWING NUMBER: TCT-01

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE (INCHES)	COLOR		REMARKS
				BACKGROUND	LEGEND	
16		W16-9P	24"x12"	FLOURESCENT YELLOW GREEN	BLACK	
16		W20-1	36"x36"	ORANGE	BLACK	
17		W20-1	36"x36" (NON-FREEWAY) 48"x48" (FREEWAY)	ORANGE	BLACK	
18		W24-1L	36"x36"	ORANGE	BLACK	
19		W24-1R	36"x36"	ORANGE	BLACK	

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SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



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TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	TITLE OF DRAWING WZTC SIGN TEXT DATA (2 OF 2)
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	

CONTRACT NUMBER: TAA 25-22B
DATE: 08/06/2025
DRAWING NUMBER: TCT-02

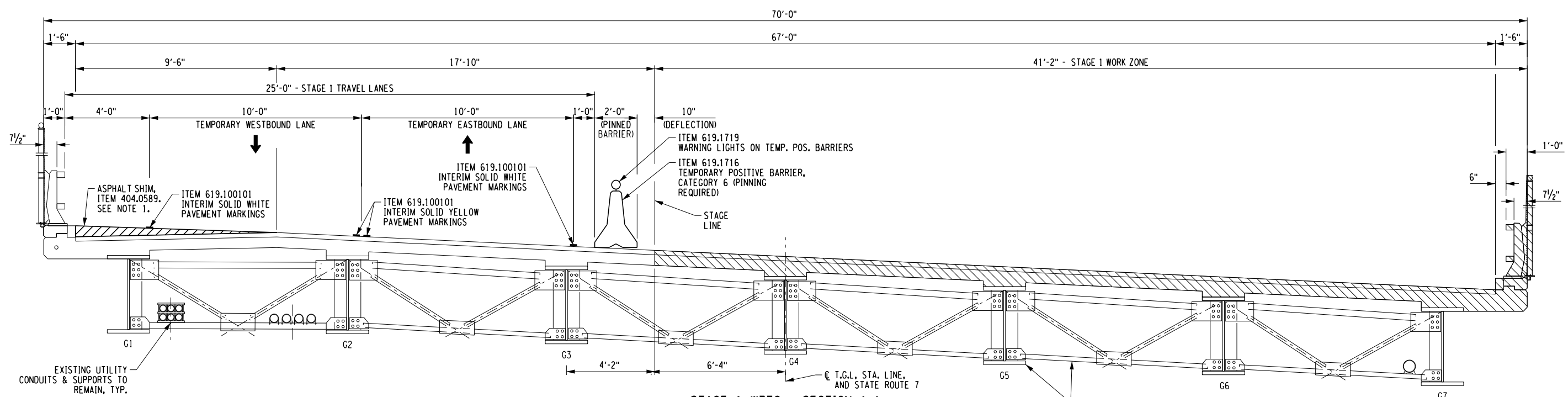
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DRAFTED BY: L. TAN

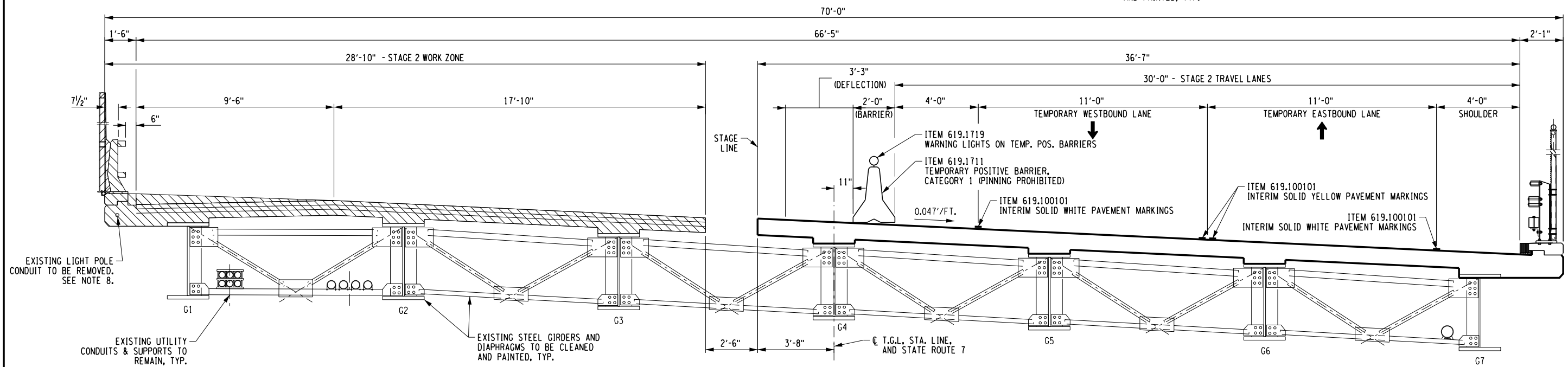
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



STAGE 1 WZTC - SECTION A-A
LOOKING UPSTATION (EAST)



STAGE 2 WZTC - SECTION B-B
LOOKING UPSTATION (EAST)

NOTES:

- 6" ASPHALT SHIM COURSE IS TO BE INSTALLED PRIOR TO STAGE 1 WZTC, ITEM 404.0589. THE LAYER SHALL BE INSTALLED TO PROVIDE A +2.0% CROSS SLOPE WITHIN THE EXISTING SHOULDER LIMIT FOR SHIFTED TRAFFIC. THE SHIM COURSE SHALL TAPER TO MEET THE DECK GRADE AT THE EXISTING ROLLOVER POINT. ASPHALT SHIM TO BE REMOVED AT THE COMPLETION OF STAGE 1 UNDER ITEM 490.30.
- THE CONTRACTOR SHALL SAWCUT STAGE 1 ALONG THE STAGE LINE TO PROVIDE A NEAT EDGE FOR STAGE 2.
- WEB REPAIR PLATES FOR GIRDERS G2 AND G3 AT THE END ABUTMENT SHALL BE INSTALLED PRIOR TO IMPLEMENTING STAGE 1 OF THE WZTC PLANS.
- PRIOR TO RE-OPENING STAGES TO TRAFFIC, REMOVE TEMPORARY CONCRETE BARRIER UNDER RESPECTIVE TEMPORARY CONCRETE BARRIER ITEM, AND ALL INTERIM PAVEMENT MARKINGS, SYMBOLS AND LETTERS UNDER THE PAY ITEMS INDICATED ON THE STAGE 3 WZTC PLANS.
- REFER TO TYPICAL BRIDGE SECTIONS AND FRAMING PLAN FOR ADDITIONAL INFORMATION ON EXISTING UTILITY CONDUITS, STEEL GIRDERS AND DIAPHRAGMS.
- THE ITEM NUMBERS SHOWN ON THIS SHEET ARE RELATED TO WZTC. REFER TO TYPICAL BRIDGE SECTIONS FOR ITEM NUMBERS RELATED TO THE REMOVAL AND CONSTRUCTION OF THE BRIDGE.
- TEMPORARY LANE CLOSURES BENEATH THE BRIDGE ON MAINLINE I-90 SHALL BE IMPLEMENTED IN COORDINATION WITH THE BRIDGE STAGING ACTIVITIES ON DUANESBURG ROAD. SEE CONSTRUCTION STAGING NOTES IN DWG. TCN-01 FOR ADDITIONAL DETAILS.
- THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR THE REMOVAL AND RE-INSTALLATION OF THE LIGHT POLE. SEE UTILITY NOTES IN DWG. BGN-01 FOR ADDITIONAL INFORMATION.
- EXISTING CROSS FRAMES IN BAY 3 SHALL BE DISCONNECTED DURING STAGING OPERATIONS TO ALLOW FOR DIFFERENTIAL DEFLECTIONS BETWEEN STAGES, AND RECONNECTED PRIOR TO INSTALLATION OF THE CLOSURE POUR. TO BE PAID UNDER ITEM 564.11000010

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGING SECTIONS	DRAWING NUMBER: TCS-01

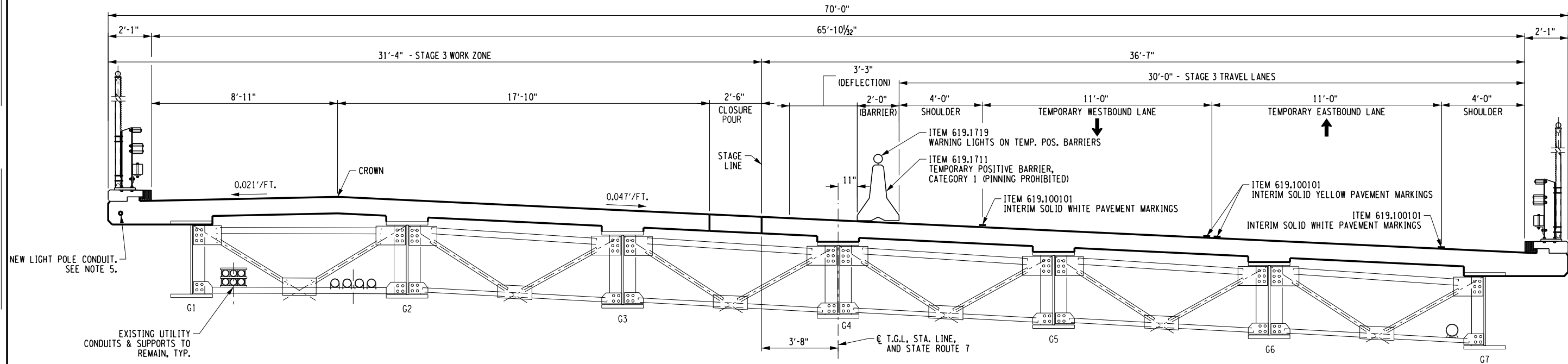
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DRAFTED BY: L. TAN

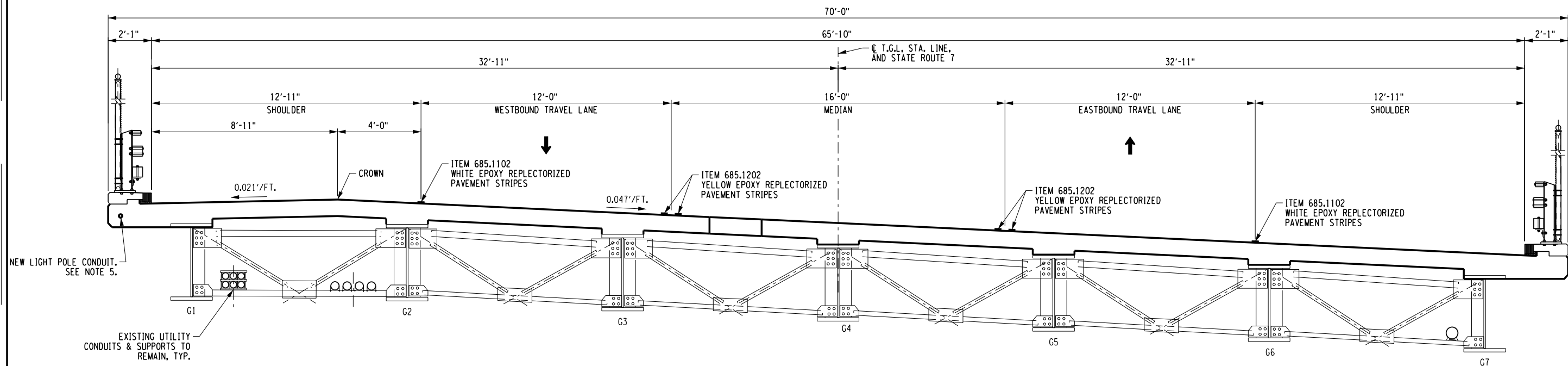
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



STAGE 3 WZTC - SECTION C-C
LOOKING UPSTATION (EAST)



FINAL STAGE
LOOKING UPSTATION (EAST)

NOTES:

1. PRIOR TO RE-OPENING STAGES TO TRAFFIC, REMOVE TEMPORARY CONCRETE BARRIER UNDER RESPECTIVE TEMPORARY CONCRETE BARRIER ITEM, AND ALL INTERIM PAVEMENT MARKINGS, SYMBOLS AND LETTERS UNDER THE PAY ITEMS INDICATED ON THE STAGE 3 WZTC PLANS.
2. REFER TO TYPICAL BRIDGE SECTIONS AND FRAMING PLAN FOR ADDITIONAL INFORMATION ON EXISTING UTILITY CONDUITS, STEEL GIRDERS AND DIAPHRAGMS.
3. THE ITEM NUMBERS SHOWN ON THIS SHEET ARE RELATED TO WZTC. REFER TO TYPICAL BRIDGE SECTIONS FOR ITEM NUMBERS RELATED TO THE REMOVAL AND CONSTRUCTION OF THE BRIDGE.
4. TEMPORARY LANE CLOSURES BENEATH THE BRIDGE ON MAINLINE I-90 SHALL BE IMPLEMENTED IN COORDINATION WITH THE BRIDGE STAGING ACTIVITIES ON DUANESBURG ROAD. SEE CONSTRUCTION STAGING NOTES IN DWG. TCN-01 FOR ADDITIONAL DETAILS.
5. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR THE REMOVAL AND RE-INSTALLATION OF THE LIGHT POLE. SEE UTILITY NOTES IN DWG. BGN-01 FOR ADDITIONAL INFORMATION.
6. EXISTING CROSS FRAMES IN BAY 3 SHALL BE DISCONNECTED DURING STAGING OPERATIONS TO ALLOW FOR DIFFERENTIAL DEFLECTIONS BETWEEN STAGES, AND RECONNECTED PRIOR TO INSTALLATION OF THE CLOSURE POUR. TO BE PAID UNDER ITEM 564.11000010

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

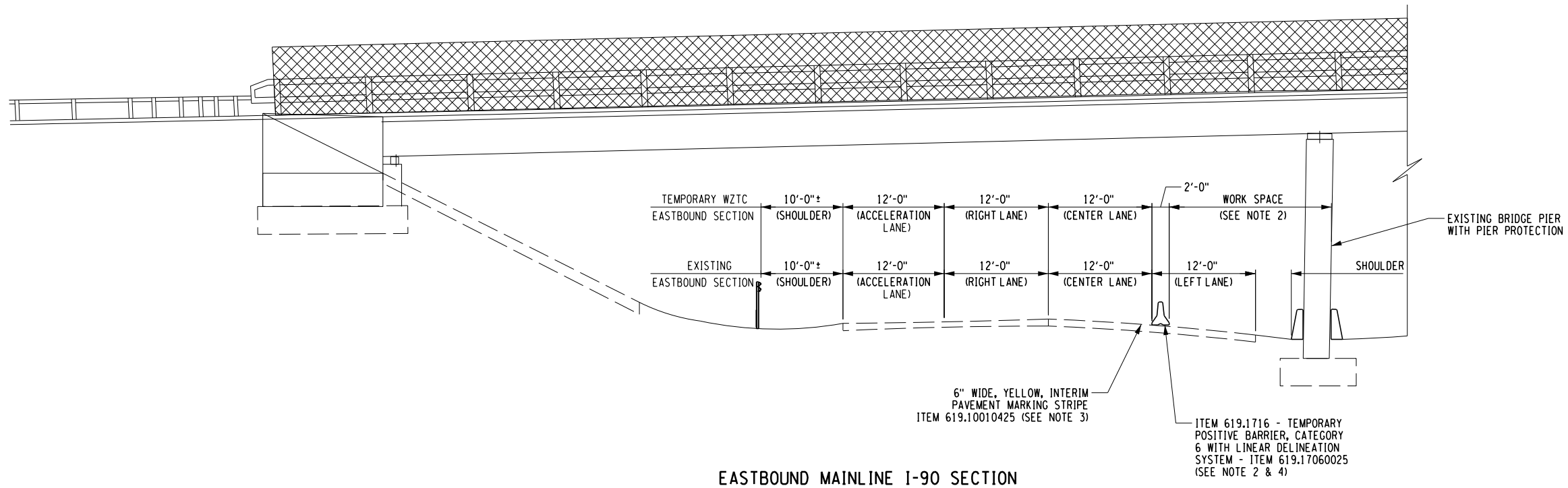
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DATE	DESCRIPTION	BY	SYM.



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Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54
TITLE OF DRAWING
WZTC
STAGING SECTIONS

CONTRACT NUMBER:
TAA 25-22B
DATE:
08/06/2025
DRAWING NUMBER:
TCS-02



- NOTES:
1. WORK ON THE WESTBOUND SIDE OF THE PIER SHALL BE DONE BY TEMPORARY LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE NYS THRUWAY STANDARD SHEETS.
 2. NO EQUIPMENT, MATERIALS OR OTHER HAZARDS ARE TO REMAIN WITHIN THE DEFLECTION DISTANCE OF THE TEMPORARY POSITIVE BARRIER DURING NON-WORKING HOURS.
 3. PLACE INTERIM STRIPING OVER EXISTING BROKEN LANE LINE MARKINGS.
 4. PLACE TOE OF TRAFFIC SIDE OF BARRIER SUCH THAT THE EXISTING BROKEN LANE LINE MARKINGS ARE NOT COVERED.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC MAINLINE STAGING SECTION	DRAWING NUMBER: TCS-03

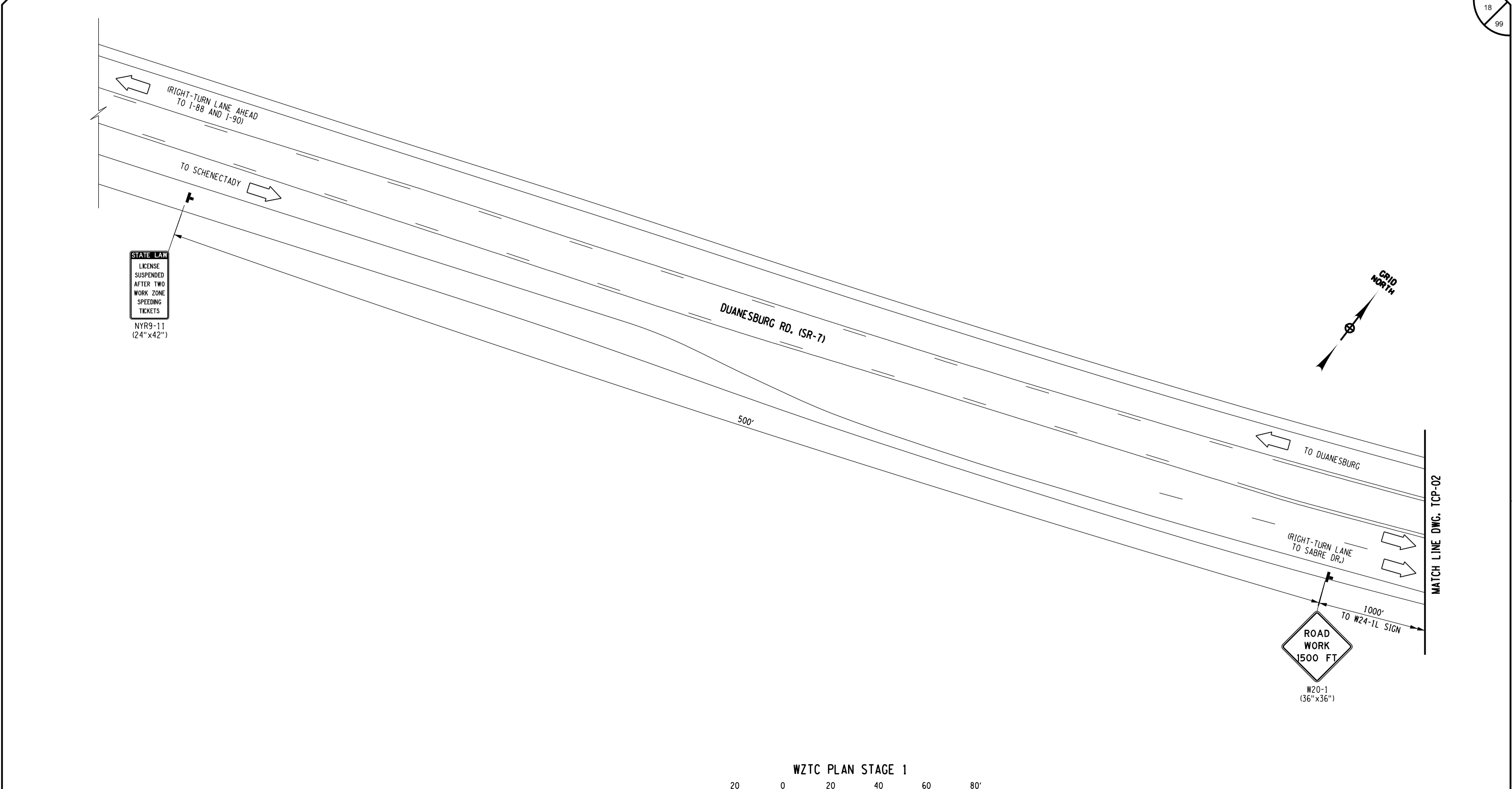
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

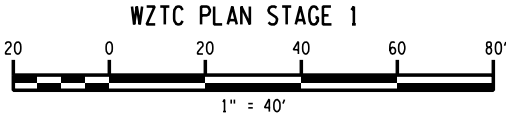


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

NOTES

1. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.

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LEGEND

■	: CHANNELIZING DEVICE	+	: TEMPORARY SIGN
—	: TEMPORARY POSITIVE BARRIER	➔	: DIRECTION OF TRAFFIC
////	: REMOVE CONFLICTING PAVEMENT MARKINGS, ITEM 619.080102 - STRIPES, ITEM 619.080202 - LETTERS OR SYMBOLS		

REVISIONS					TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 1 OF 7)	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYMBOL					DATE: 08/06/2025
								DRAWING NUMBER: TCP-01

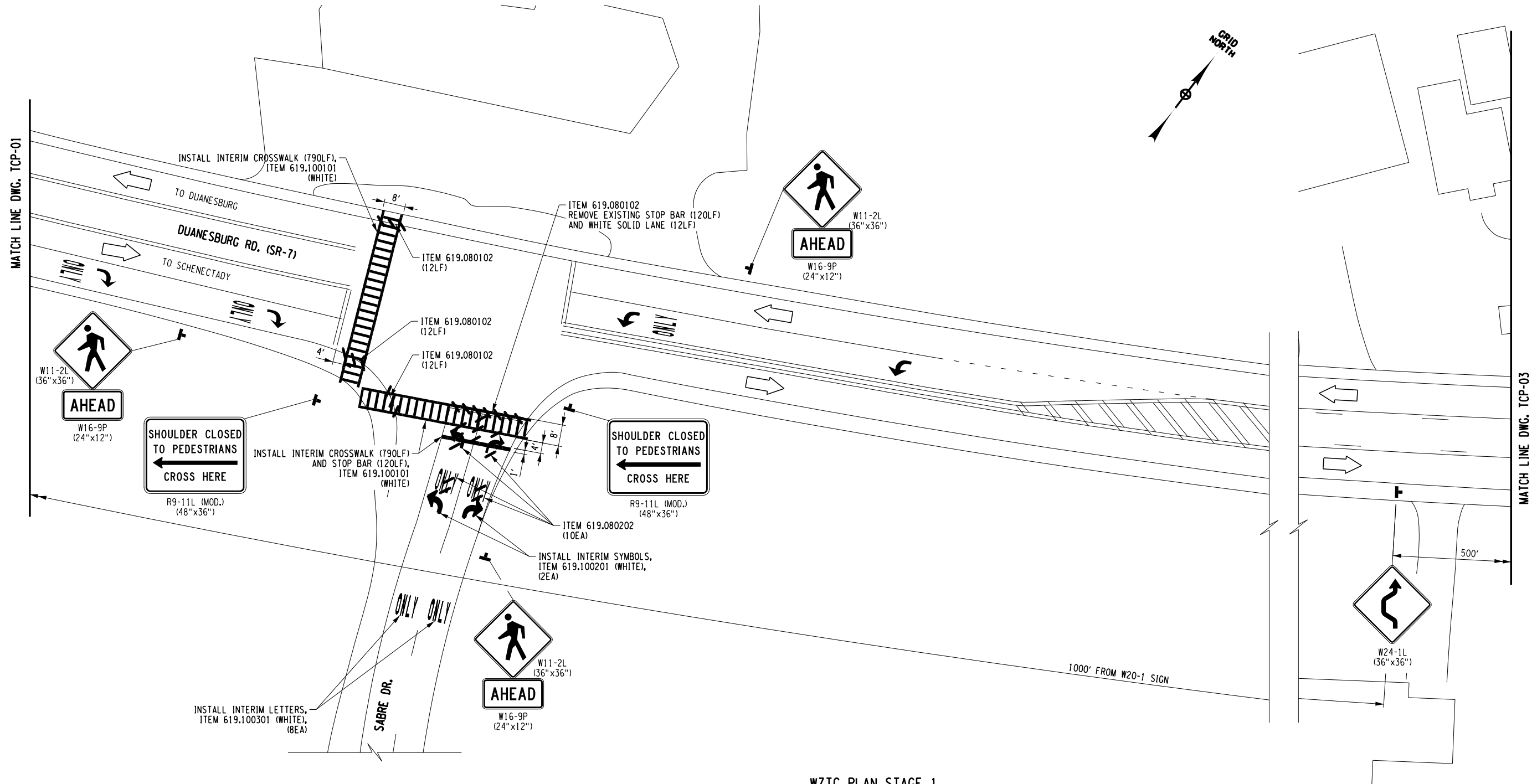
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DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

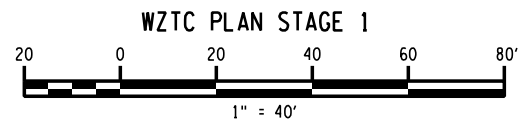


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.
- SEE NYSDOT STANDARD SHEET 685-01 FOR ADDITIONAL NOTES AND DETAILS TO BE FOLLOWED.

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



- LEGEND**
- : CHANNELIZING DEVICE
 - : TEMPORARY POSITIVE BARRIER
 - : REMOVE CONFLICTING PAVEMENT MARKINGS, ITEM 619.080102 - STRIPES, ITEM 619.080202 - LETTERS OR SYMBOLS
 - : TEMPORARY SIGN
 - : DIRECTION OF TRAFFIC

REVISIONS					TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 2 OF 7)	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYM.					

DATE: 08/06/2025

DRAWING NUMBER: TCP-02

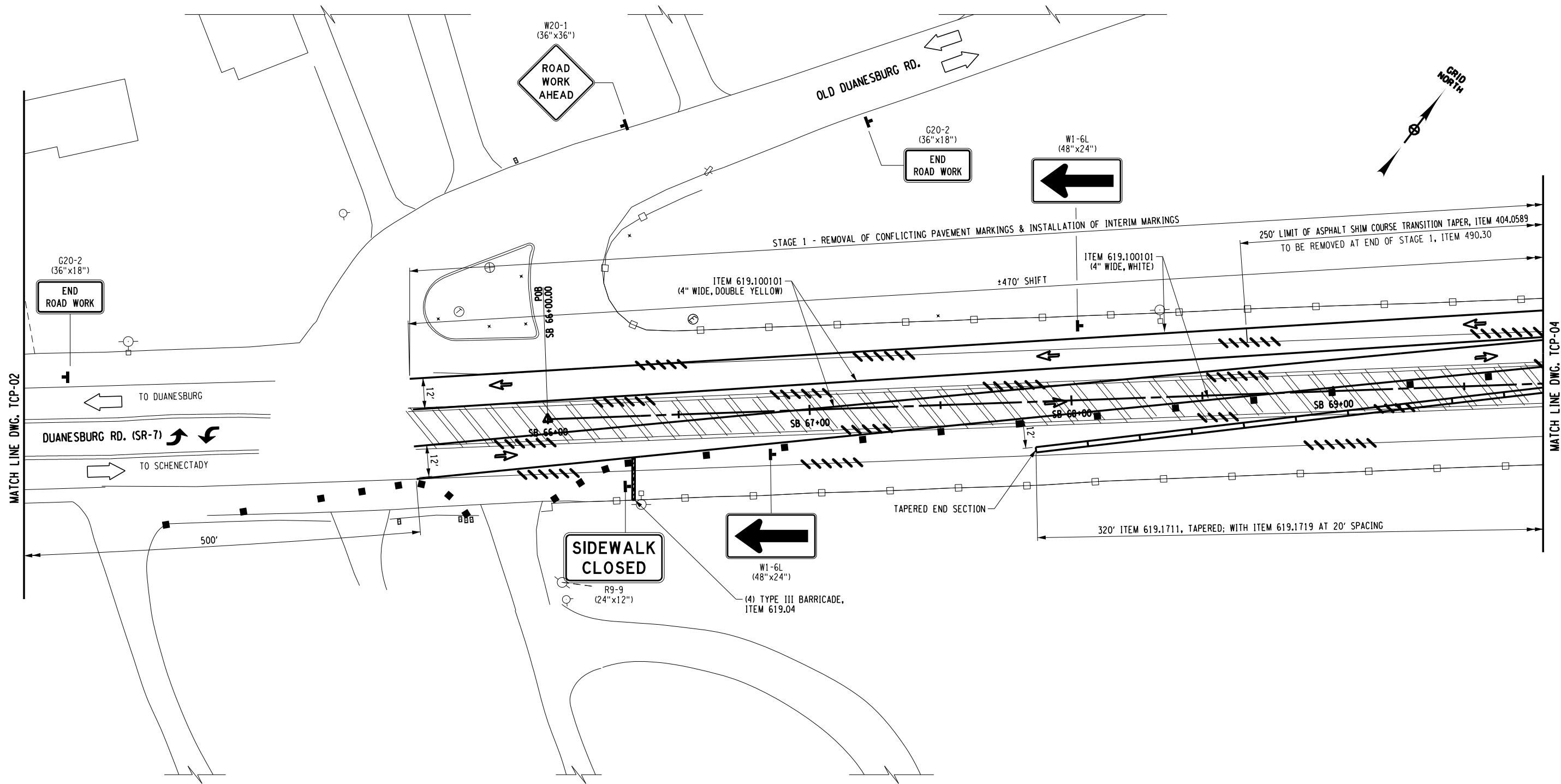
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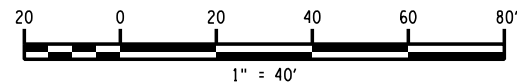
CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



WZTC PLAN STAGE 1



LEGEND

- : CHANNELIZING DEVICE
- : TEMPORARY POSITIVE BARRIER
- ||||| : REMOVE CONFLICTING PAVEMENT MARKINGS, ITEM 619.080102 - STRIPES, ITEM 619.080202 - LETTERS OR SYMBOLS
- ⊕ : TEMPORARY SIGN
- ➡ : DIRECTION OF TRAFFIC
- ⊘ : TYPE III BARRICADE ITEM 619.04

NOTES

1. ASPHALT SHIM COURSE TO BE INSTALLED PRIOR TO STAGE 1 WORK COMMENCING. SEE WZTC STAGING SECTIONS.
2. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 3 OF 6)	DRAWING NUMBER: TCP-03

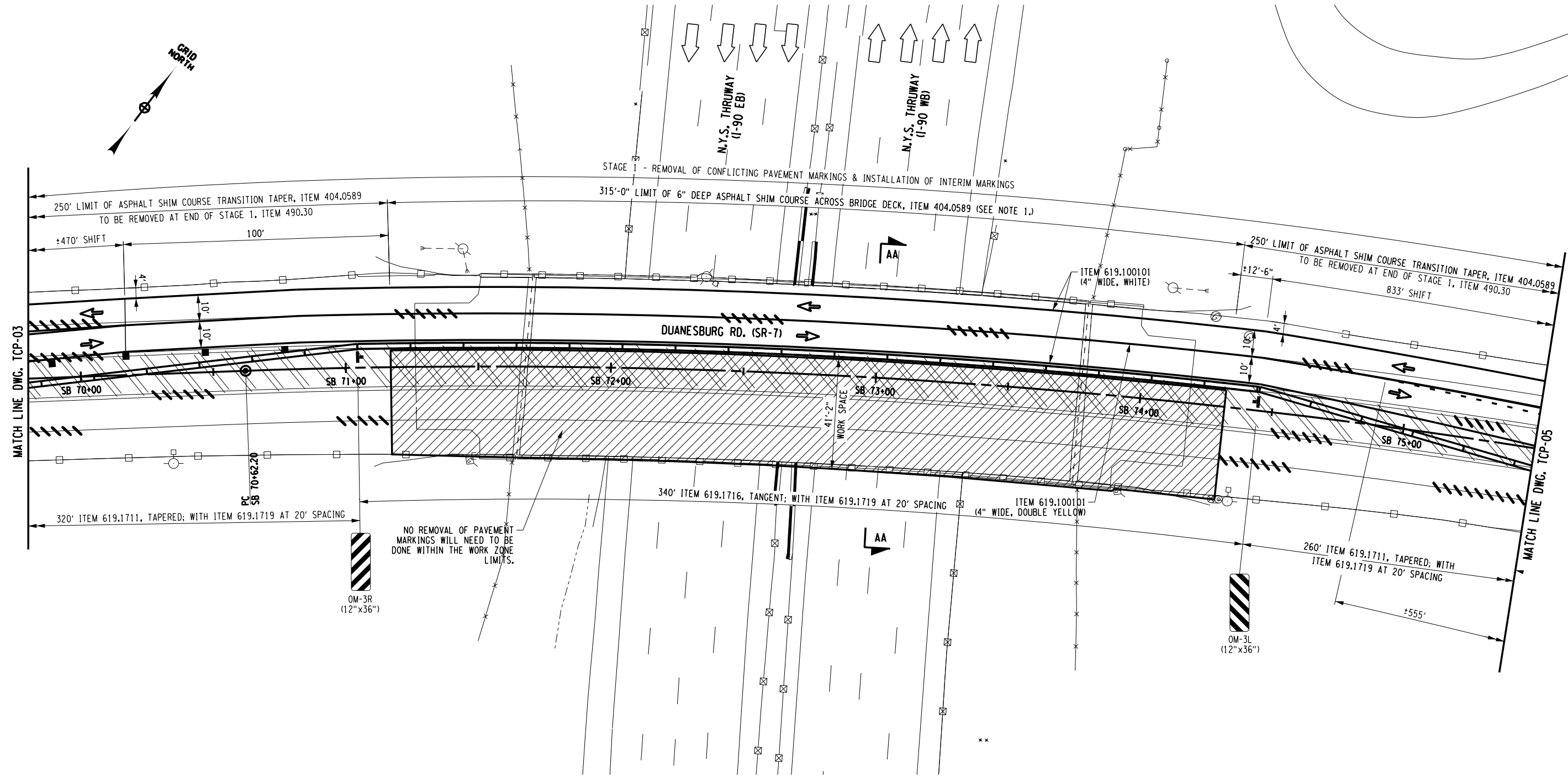
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

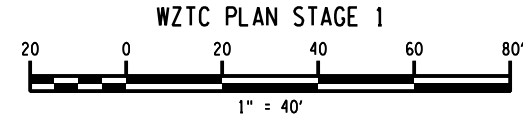


NOTES

1. ASPHALT SHIM COURSE TO BE INSTALLED PRIOR TO STAGE 1 WORK COMMENCING. SEE WZTC STAGING SECTIONS.
2. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.

FOR SECTIONS...

AA-AA: SEE DRAWING TCS-01, "WZTC STAGING SECTIONS"



LEGEND

- : CHANNELIZING DEVICE
- : TEMPORARY POSITIVE BARRIER
- /// : REMOVE CONFLICTING PAVEMENT MARKINGS, ITEM 619.080102 - STRIPES, ITEM 619.080202 - LETTERS OR SYMBOLS
- ⊕ : TEMPORARY SIGN
- ➔ : DIRECTION OF TRAFFIC

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 4 OF 7)		DRAWING NUMBER: TCP-04

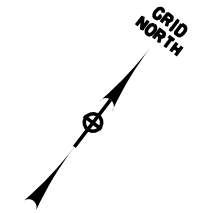
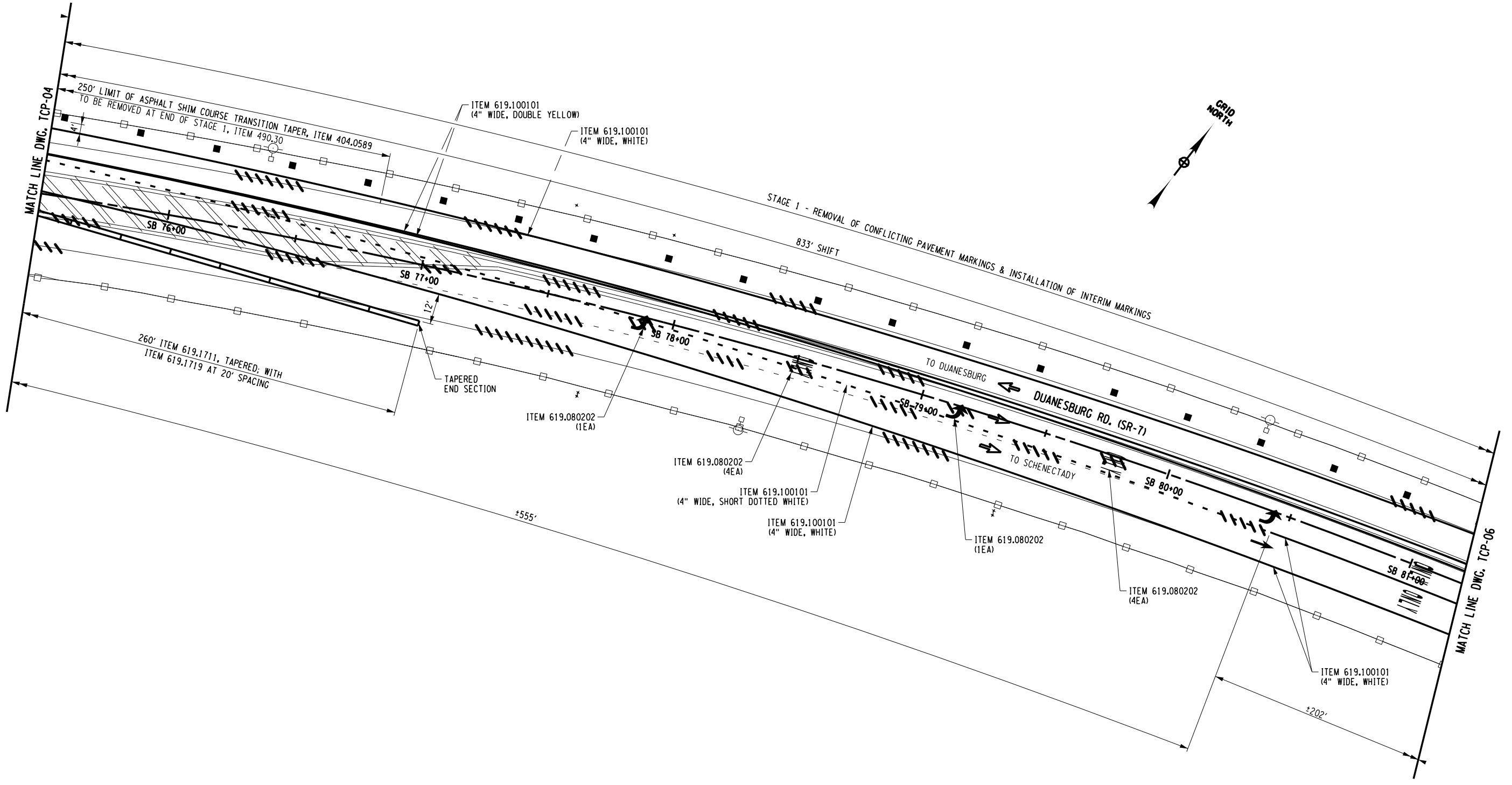
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

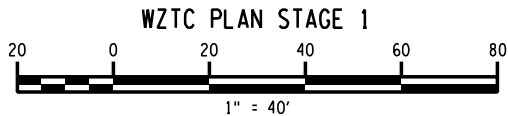
DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



NOTES

1. ASPHALT SHIM COURSE TO BE INSTALLED PRIOR TO STAGE 1 WORK COMMENCING. SEE WZTC STAGING SECTIONS.
2. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.



LEGEND

- : CHANNELIZING DEVICE
- +— : TEMPORARY POSITIVE BARRIER
- ||||| : REMOVE CONFLICTING PAVEMENT MARKINGS, ITEM 619.080102 - STRIPES
- : TEMPORARY SIGN
- ➡ : DIRECTION OF TRAFFIC
- : ITEM 619.080202 - LETTERS OR SYMBOLS

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 5 OF 7)	DRAWING NUMBER: TCP-05

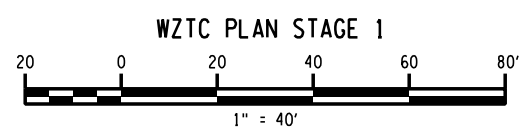
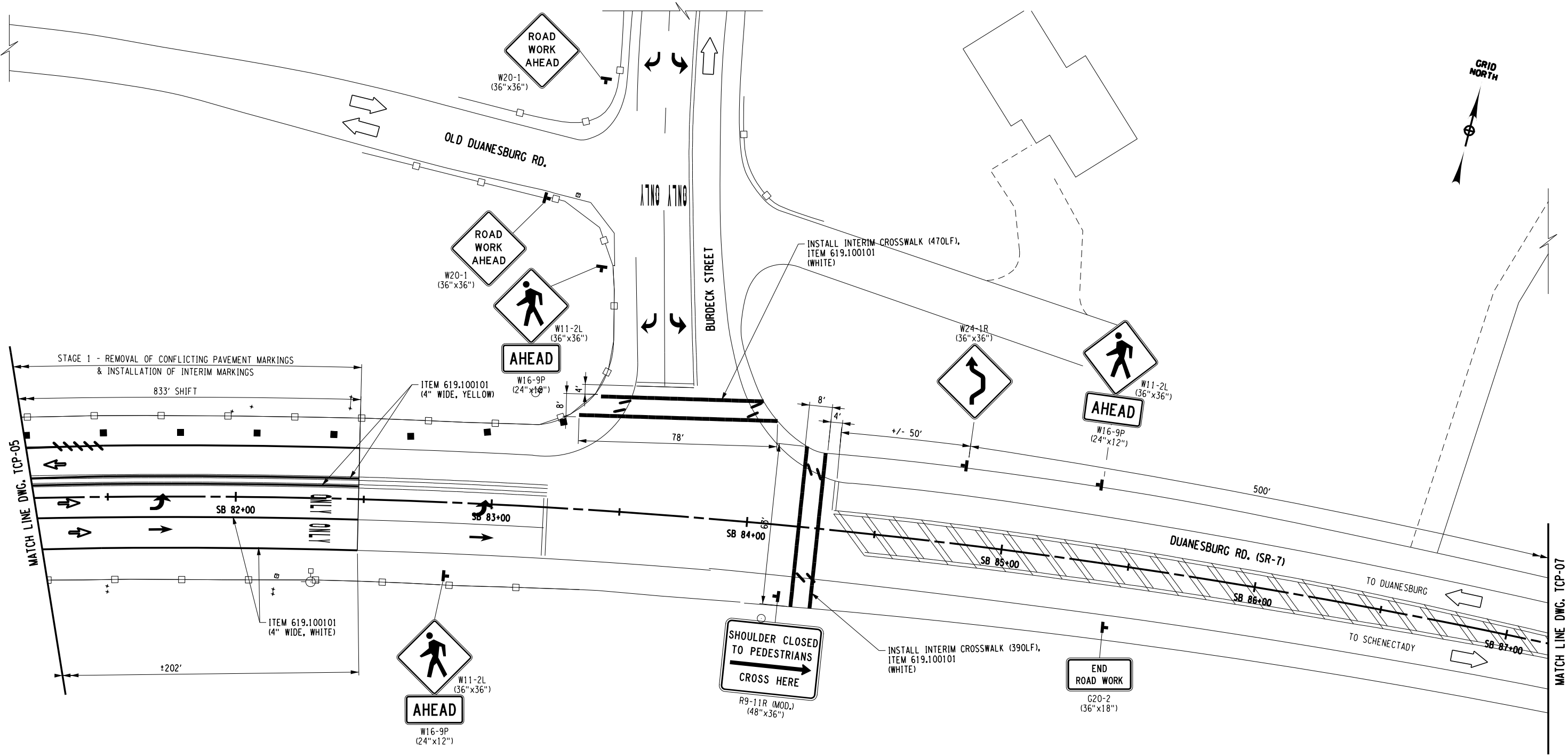
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



- LEGEND**
- : CHANNELIZING DEVICE
 - : TEMPORARY POSITIVE BARRIER
 - \\\\\\\\\\\\\\\\ : REMOVE CONFLICTING PAVEMENT MARKINGS, ITEM 619.080102 - STRIPES, ITEM 619.080202 - LETTERS OR SYMBOLS
 - ⊕ : TEMPORARY SIGN
 - ➡ : DIRECTION OF TRAFFIC

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
08/06/2025

NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.
- SEE NYSDOT STANDARD SHEET 685-01 FOR ADDITIONAL NOTES AND DETAILS TO BE FOLLOWED.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 6 OF 7)	DRAWING NUMBER: TCP-06

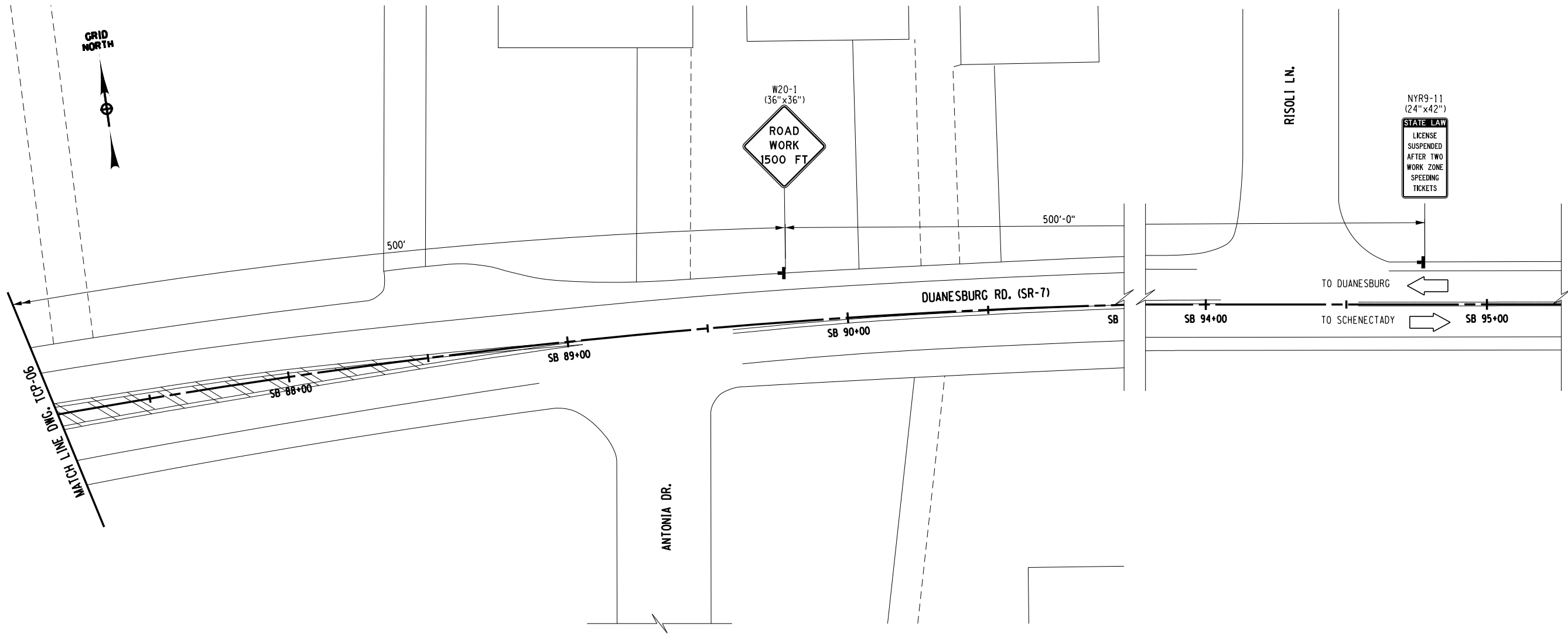
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

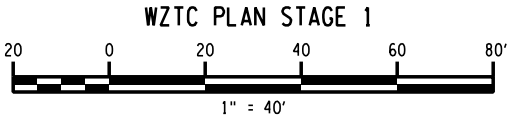
DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



NOTES

1. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.



LEGEND

 : TEMPORARY SIGN

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 1 PLAN (SHEET 7 OF 7)	DRAWING NUMBER: TCP-07

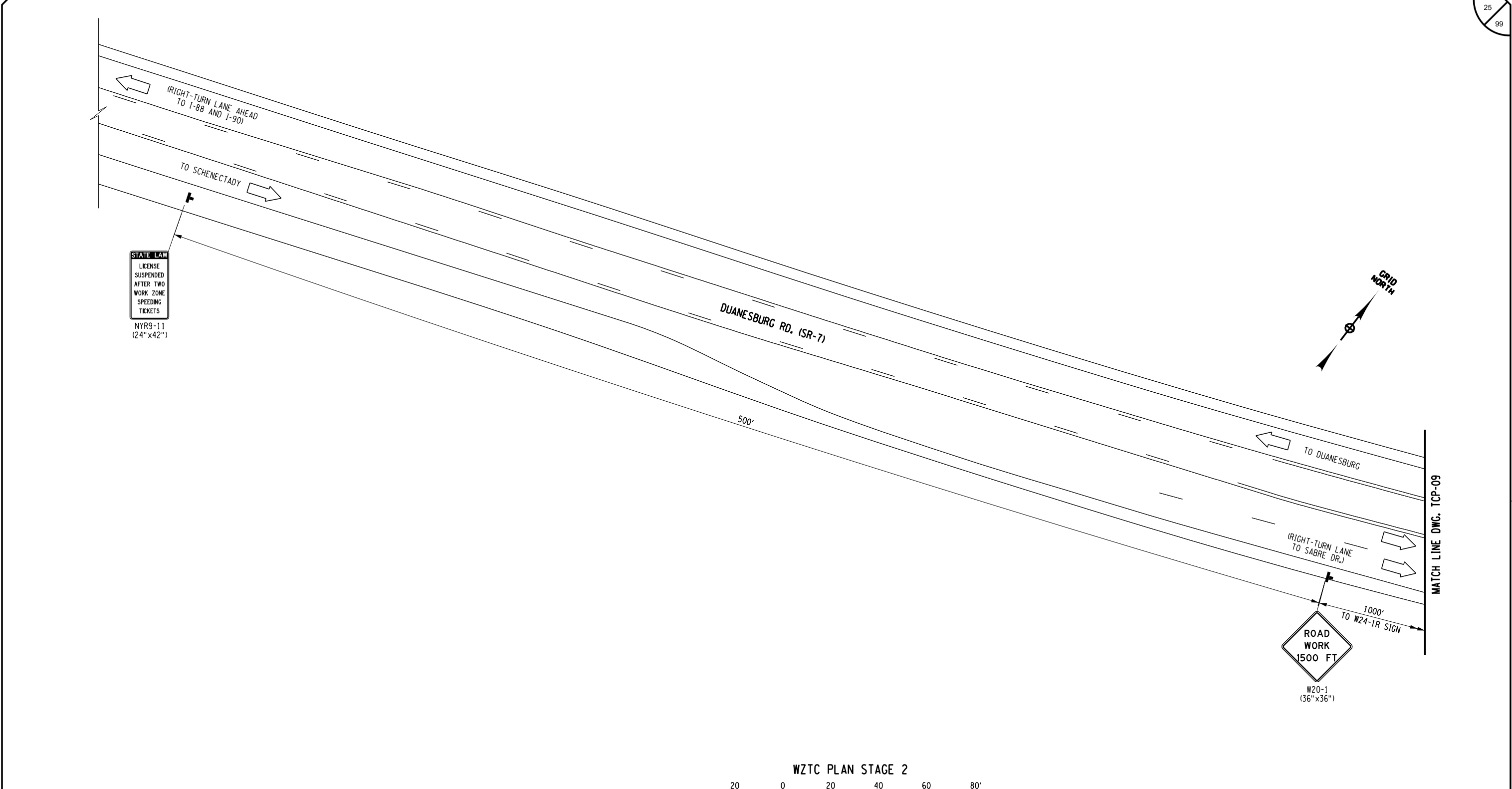
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

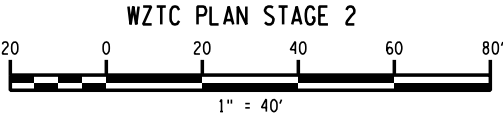


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

NOTES

1. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.

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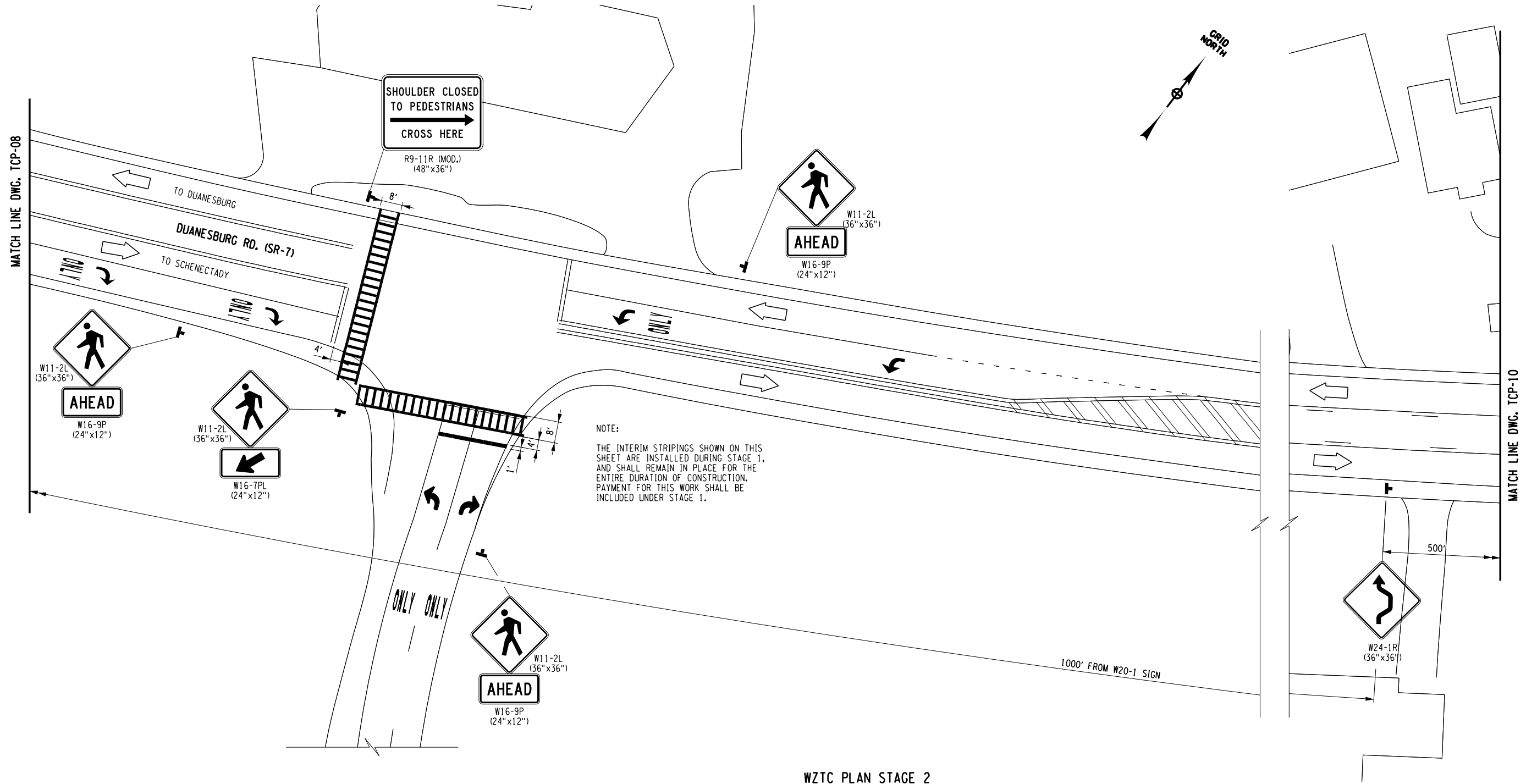


LEGEND				
		: CHANNELIZING DEVICE		: TEMPORARY SIGN
		: TEMPORARY POSITIVE BARRIER		: DIRECTION OF TRAFFIC

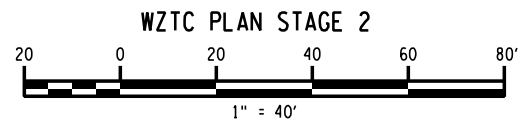
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 2 PLAN (SHEET 1 OF 7)	DRAWING NUMBER: TCP-08

DESIGNED BY: J. SHINSKI
CHECKED BY: R. HOSLEY
DRAFTED BY: L. TAN
CHECKED BY: P. MULKERN



NOTE:
THE INTERIM STRIPINGS SHOWN ON THIS SHEET ARE INSTALLED DURING STAGE 1, AND SHALL REMAIN IN PLACE FOR THE ENTIRE DURATION OF CONSTRUCTION. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER STAGE 1.



LEGEND

- [Symbol] : CHANNELIZING DEVICE
- [Symbol] : TEMPORARY SIGN
- [Symbol] : TEMPORARY POSITIVE BARRIER
- [Symbol] : DIRECTION OF TRAFFIC

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.
- SEE NYSDOT STANDARD SHEET 685-01 FOR ADDITIONAL NOTES AND DETAILS TO BE FOLLOWED.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 2 PLAN (SHEET 2 OF 7)	DRAWING NUMBER: TCP-09

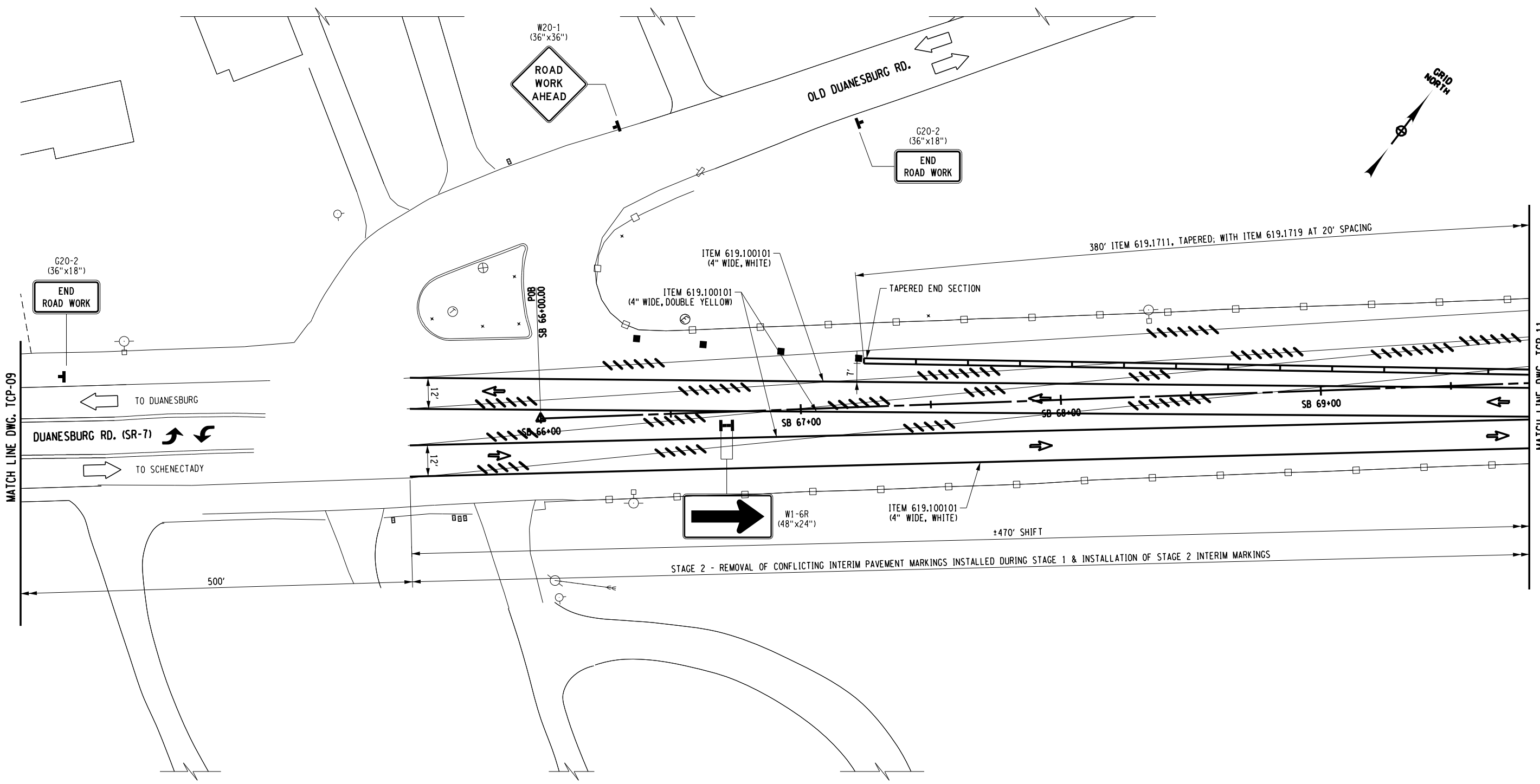
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

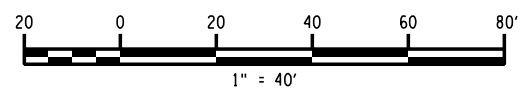
DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



STAGE 2 - REMOVAL OF CONFLICTING INTERIM PAVEMENT MARKINGS INSTALLED DURING STAGE 1 & INSTALLATION OF STAGE 2 INTERIM MARKINGS

WZTC PLAN STAGE 2



LEGEND

- : CHANNELIZING DEVICE
- : TEMPORARY POSITIVE BARRIER
- : REMOVE CONFLICTING INTERIM PAVEMENT MARKINGS INSTALLED DURING STAGE 1, ITEM 619.080101 - STRIPES
- : TEMPORARY SIGN
- : DIRECTION OF TRAFFIC

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 2 PLAN (SHEET 3 OF 6)	DRAWING NUMBER: TCP-10

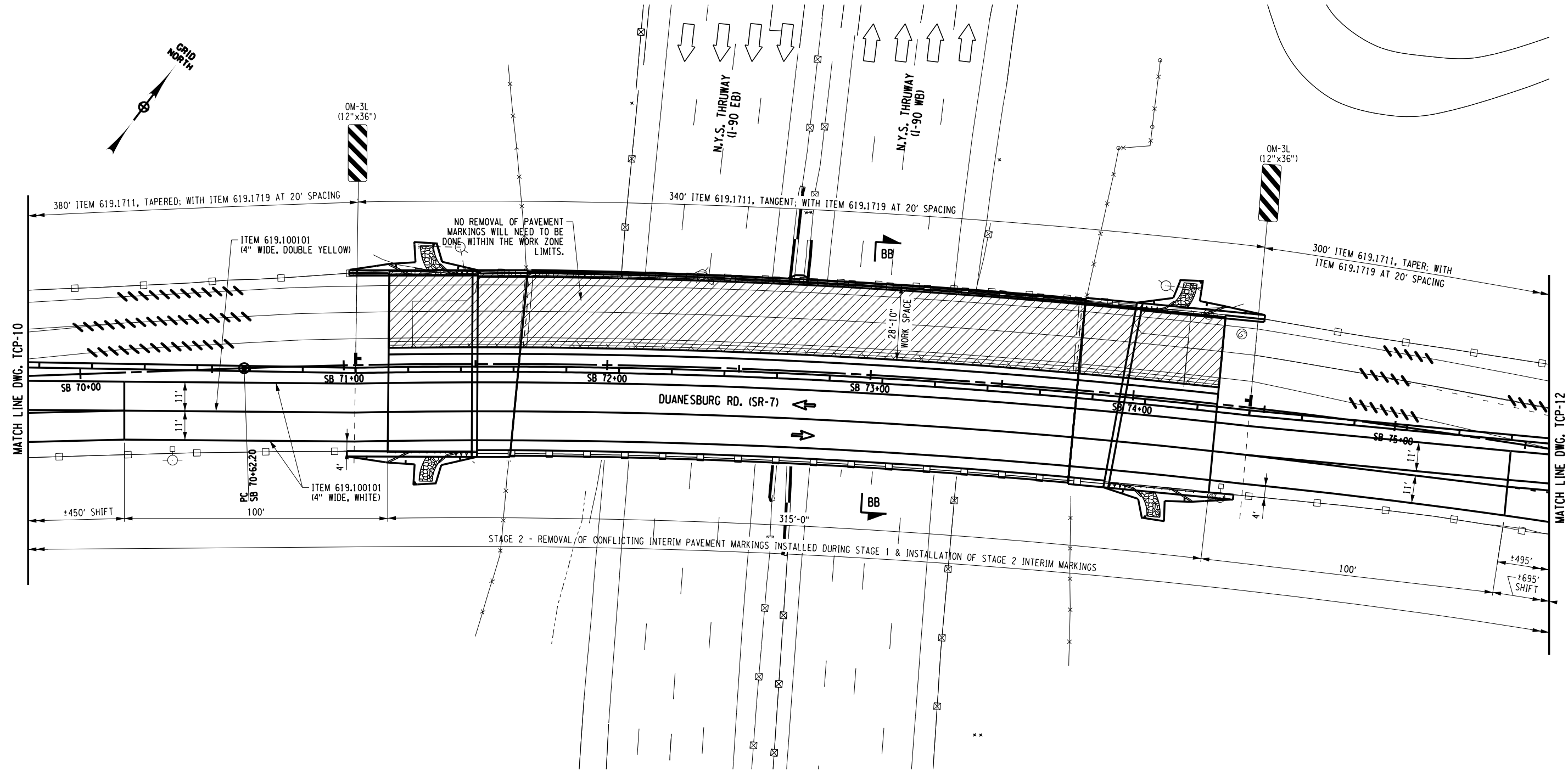
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

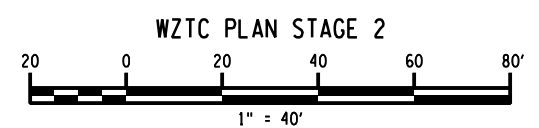


NOTES

1. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.

FOR SECTIONS...

BB-BB: SEE DRAWING TCS-01, "WZTC STAGING SECTIONS"



LEGEND

- [Symbol] : CHANNELIZING DEVICE
- [Symbol] : TEMPORARY POSITIVE BARRIER
- [Symbol] : REMOVE CONFLICTING INTERIM PAVEMENT MARKINGS INSTALLED DURING STAGE 1, ITEM 619.080101 - STRIPES
- [Symbol] : TEMPORARY SIGN
- [Symbol] : DIRECTION OF TRAFFIC

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 2 PLAN (SHEET 4 OF 7)	DRAWING NUMBER: TCP-11

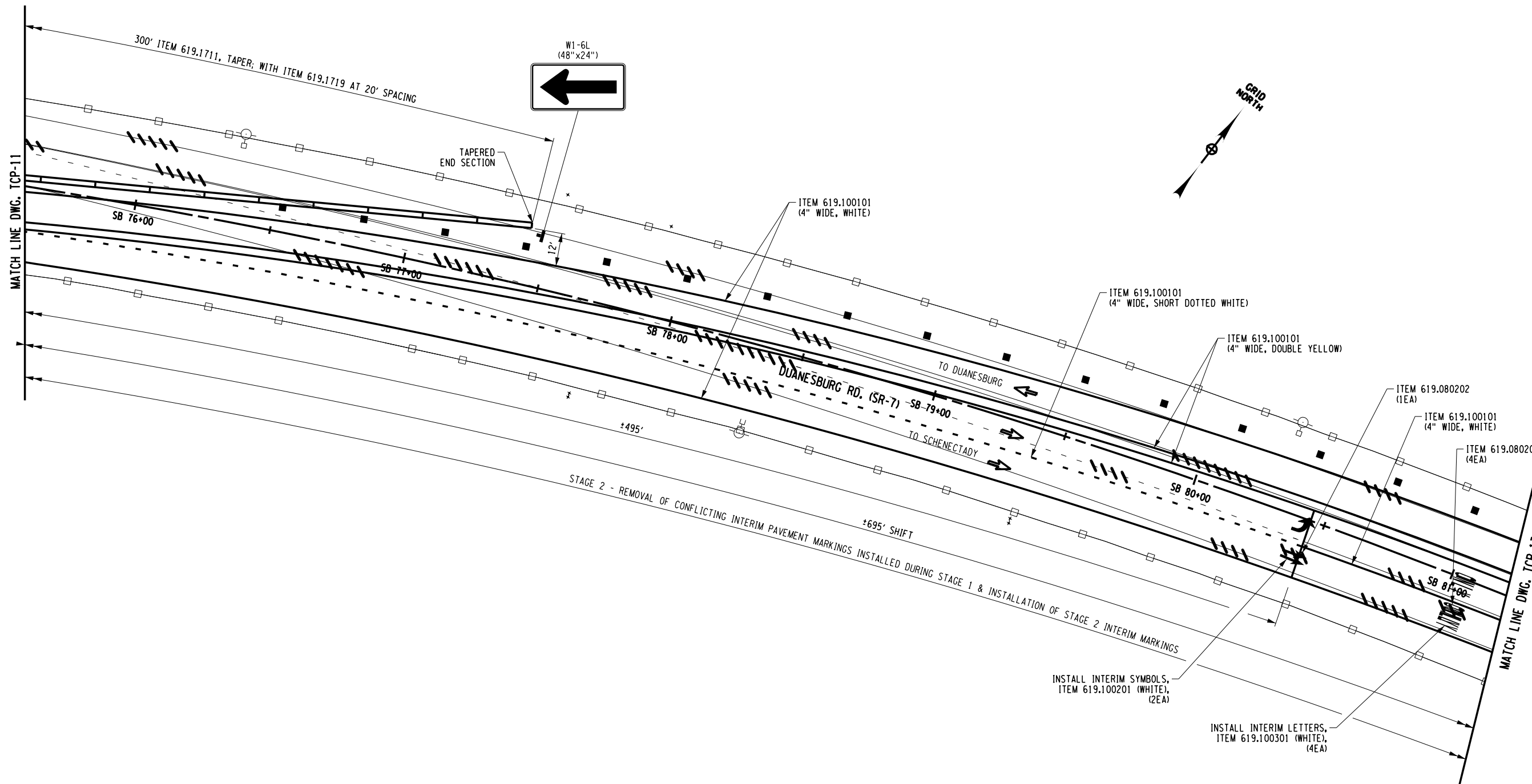
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

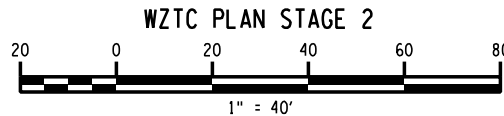
DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.



LEGEND

- : CHANNELIZING DEVICE
- ▬ : TEMPORARY POSITIVE BARRIER
- ▨ : REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND INTERIM PAVEMENT MARKINGS INSTALLED DURING STAGE 1, ITEM 619.080101 - STRIPES (INTERIM) ITEM 619.080202 - LETTERS OR SYMBOLS (EXISTING)
- ⊕ : TEMPORARY SIGN
- ➡ : DIRECTION OF TRAFFIC

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



Thruway
Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
WZTC
STAGE 2 PLAN
(SHEET 5 OF 7)

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
TCP-12

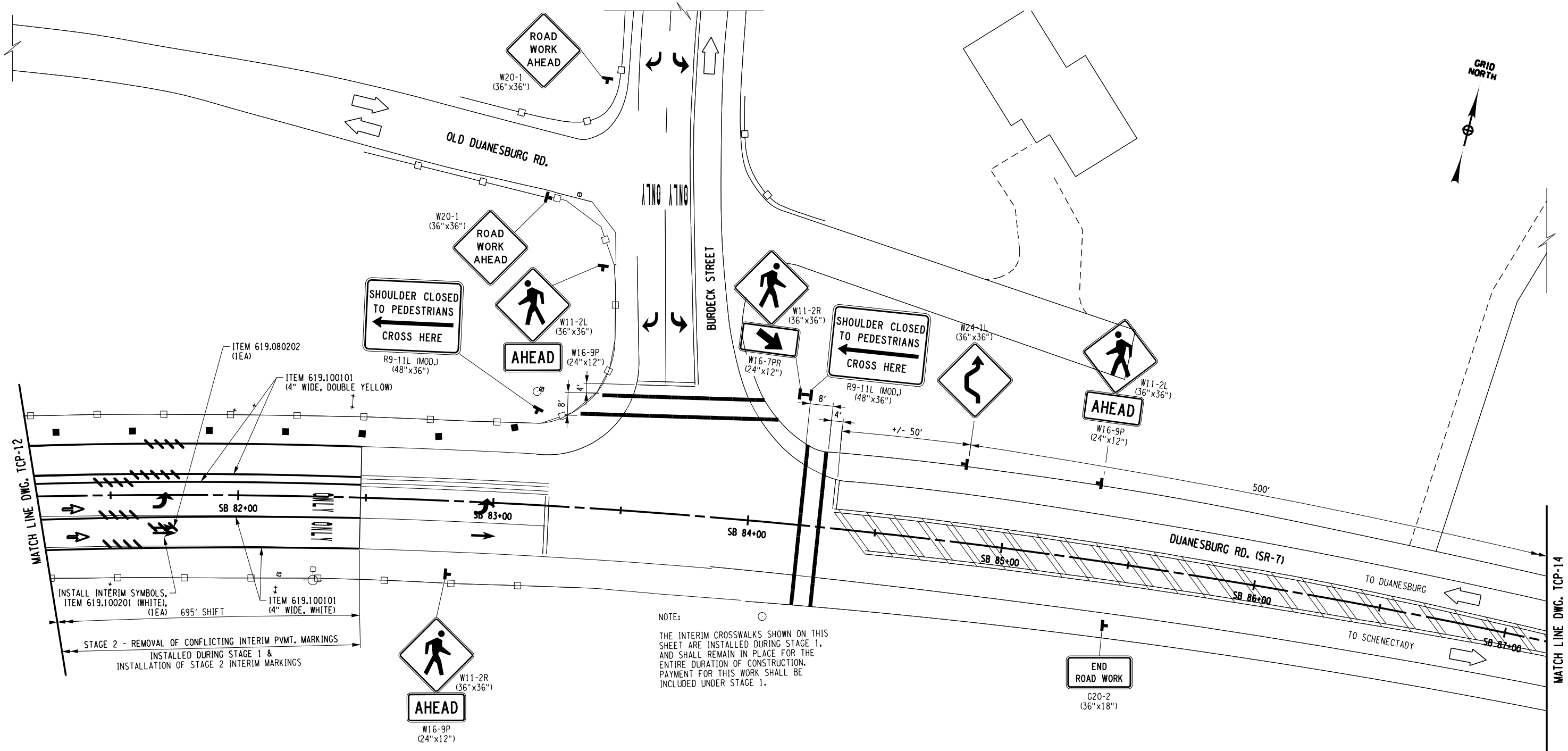
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

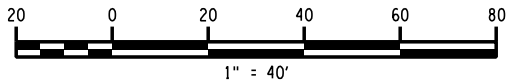
DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



NOTE:
THE INTERIM CROSSWALKS SHOWN ON THIS SHEET ARE INSTALLED DURING STAGE 1, AND SHALL REMAIN IN PLACE FOR THE ENTIRE DURATION OF CONSTRUCTION. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER STAGE 1.

WZTC PLAN STAGE 2



LEGEND

- Channelizing Device
- Temporary Positive Barrier
- Remove Conflicting Existing Pavement Markings and Interim Pavement Markings Installed During Stage 1:
 - Item 619.080101 - Stripes (Interim)
 - Item 619.080202 - Letters or Symbols (Existing)
- Temporary Sign
- Direction of Traffic

ALTERED ON:

AFFIXED ON:

08/06/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.
- SEE NYSDOT STANDARD SHEET 685-01 FOR ADDITIONAL NOTES AND DETAILS TO BE FOLLOWED.

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REVISIONS

DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
WZTC
STAGE 2 PLAN
(SHEET 6 OF 7)

CONTRACT NUMBER:

TAA 25-22B

DATE:

08/06/2025

DRAWING NUMBER:

TCP-13

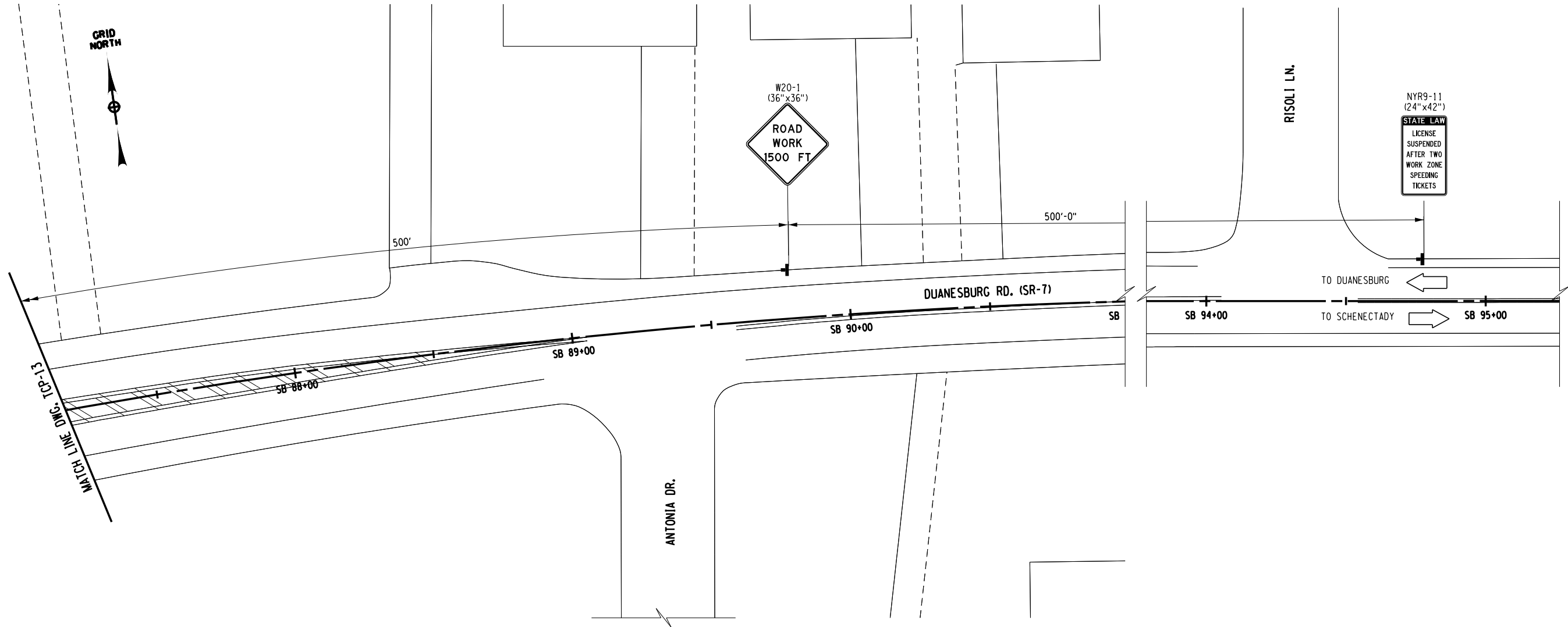
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

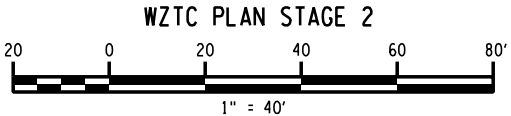


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

NOTES

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LEGEND

: TEMPORARY SIGN

REVISIONS					TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYMBOL		LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
					TITLE OF DRAWING WZTC STAGE 2 PLAN (SHEET 7 OF 7)	DRAWING NUMBER: TCP-14

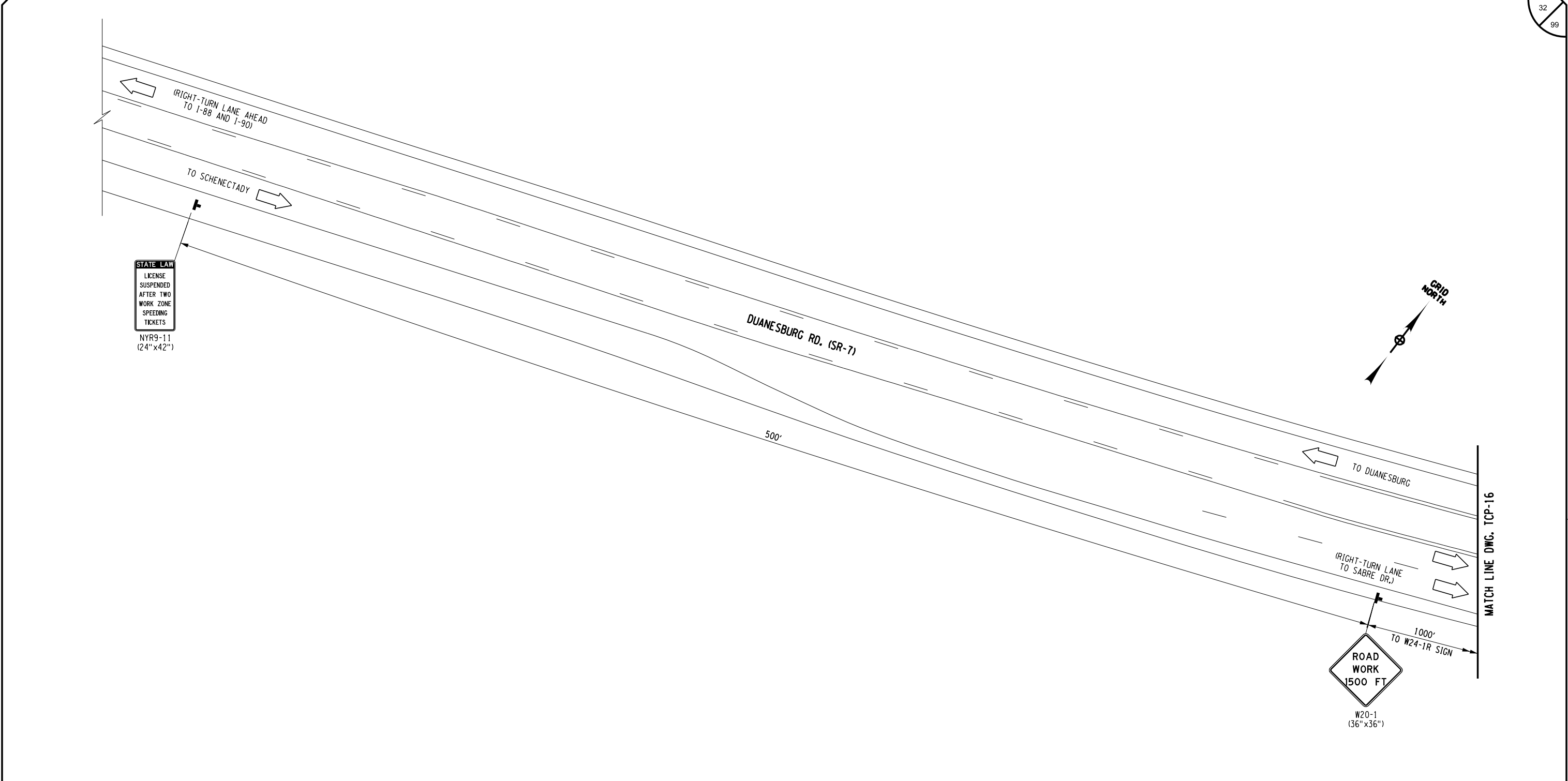
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



ALTERED ON:

AFFIXED ON:
08/06/2025

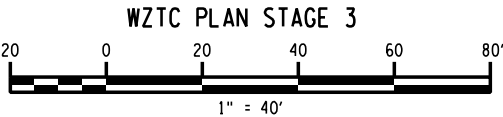
SIGNATURE:
STAMP:



NOTES

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- UNLESS OTHERWISE NOTED, ALL WZTC DEVICES, INCLUDING SIGNAGE AND INTERIM PAVEMENT MARKINGS INSTALLED DURING STAGE 2 WILL REMAIN IN PLACE FOR STAGE 3. PAYMENT FOR THE INSTALLATION OF THESE DEVICES SHALL BE INCLUDED UNDER STAGE 2.
- AFTER THE COMPLETION OF STAGE 3, ALL WZTC DEVICES, INCLUDING SIGNAGE, SHALL BE REMOVED UNDER ITEM 619.01. INTERIM PAVEMENT MARKINGS SHALL BE REMOVED ACCORDING TO THE ITEMS SPECIFIED IN THE STAGE 3 PLANS.

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LEGEND

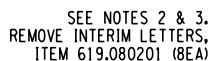
- ■

: CHANNELIZING DEVICE
- : TEMPORARY POSITIVE BARRIER
- +

: TEMPORARY SIGN
- ➔

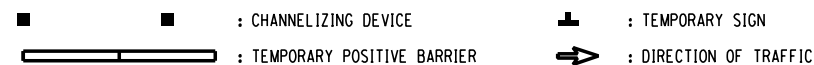
: DIRECTION OF TRAFFIC

REVISIONS					TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYMBOL		LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
					TITLE OF DRAWING WZTC STAGE 3 PLAN (SHEET 1 OF 7)	DRAWING NUMBER: TCP-15



1. SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.
2. UNLESS OTHERWISE NOTED, ALL WZTC DEVICES, INCLUDING SIGNAGE AND INTERIM PAVEMENT MARKINGS INSTALLED DURING STAGE 2 WILL REMAIN IN PLACE FOR STAGE 3. PAYMENT FOR THE INSTALLATION OF THESE DEVICES SHALL BE INCLUDED UNDER STAGE 2.
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REVISIONS			
DATE	DESCRIPTION	BY	SYM

**Thruway
Authority**

TITLE OF PROJECT	MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT	ALBANY DIVISION M.P. 158.54
TITLE OF DRAWING	WZTC STAGE 3 PLAN (SHEET 2 OF 7)

CONTRACT NUMBER:	TAA 25-22B
DATE:	08/06/2025
DRAWING NUMBER:	TCP-16

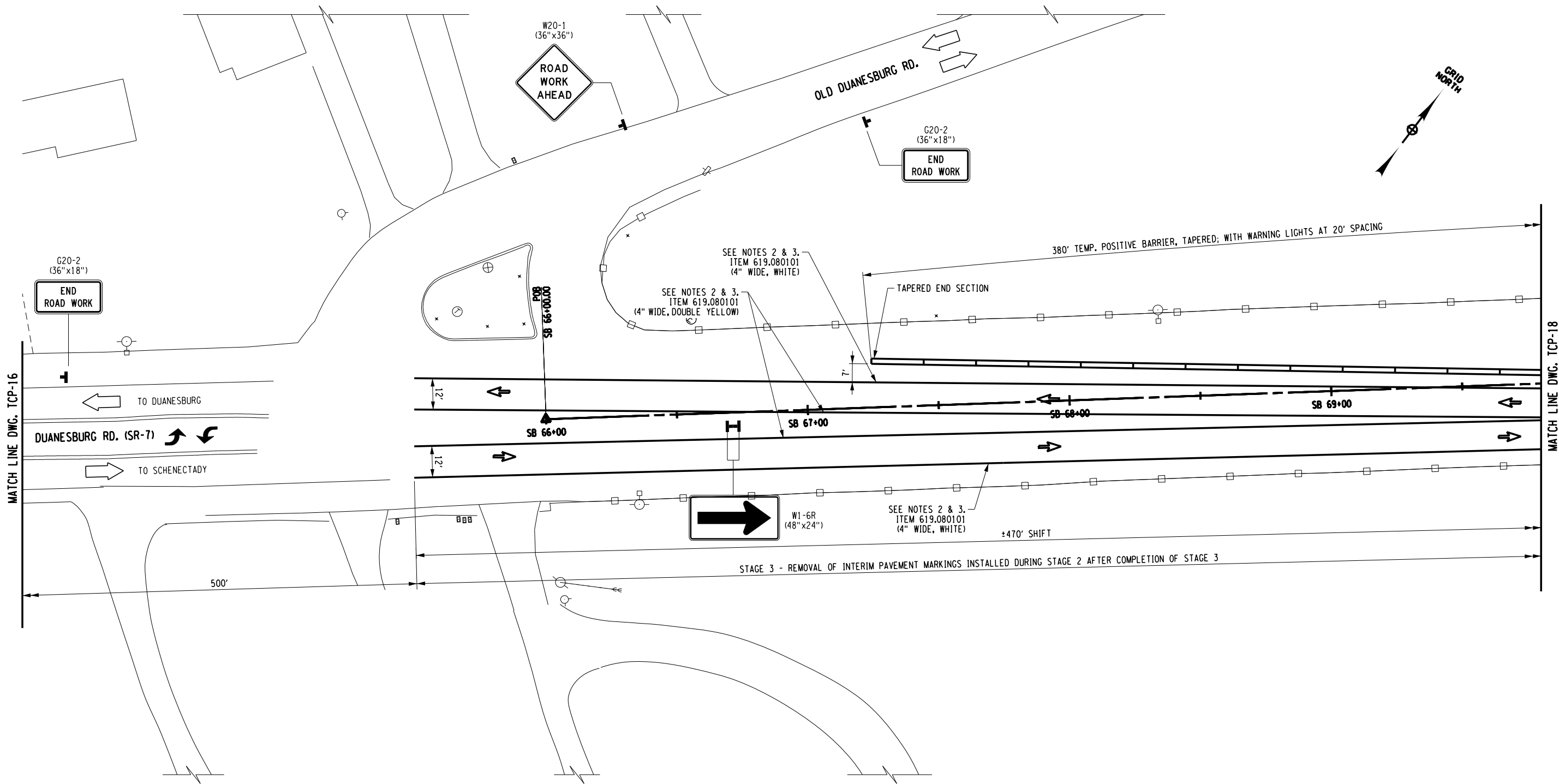
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

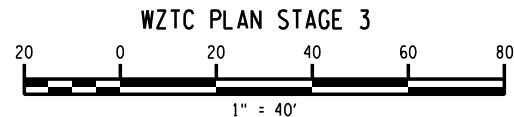
DESIGN SUPERVISOR: D. LIVERMORE



NOTES

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LEGEND

- : CHANNELIZING DEVICE
- : TEMPORARY POSITIVE BARRIER
- ⊕ : TEMPORARY SIGN
- ➔ : DIRECTION OF TRAFFIC



REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 3 PLAN (SHEET 3 OF 6)	DRAWING NUMBER: TCP-17

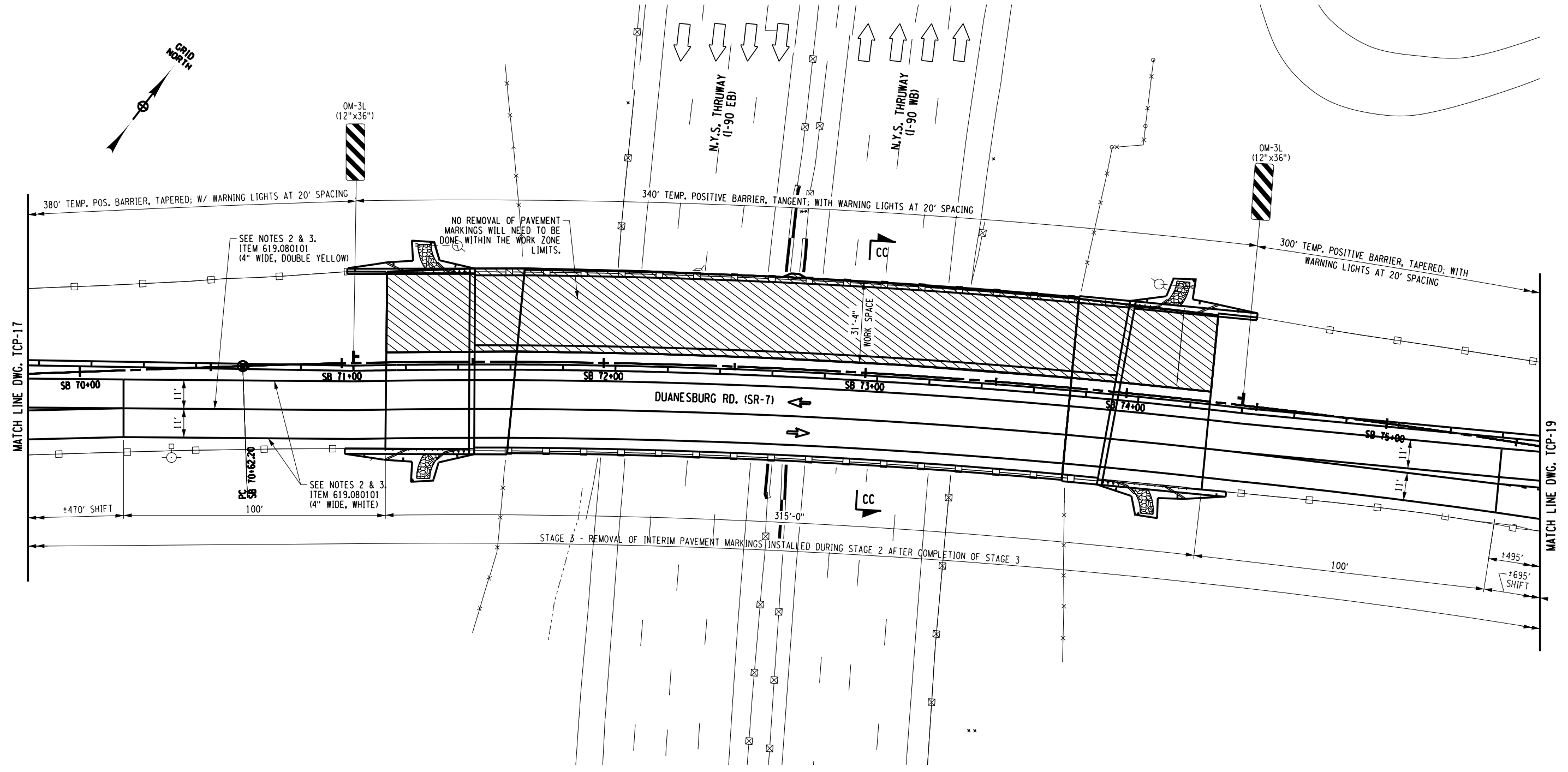
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

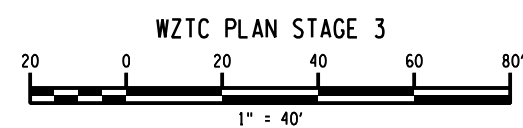
DESIGN SUPERVISOR: D. LIVERMORE



NOTES

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FOR SECTIONS...

CC-CC: SEE DRAWING TCS-02, "WZTC STAGING SECTIONS"

LEGEND

- Channelizing Device
- Temporary Sign
- Temporary Positive Barrier
- Direction of Traffic

ALTERED ON:

AFFIXED ON:
08/06/2025

SIGNATURE:
STAMP:

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 3 PLAN (SHEET 4 OF 7)	DRAWING NUMBER: TCP-18

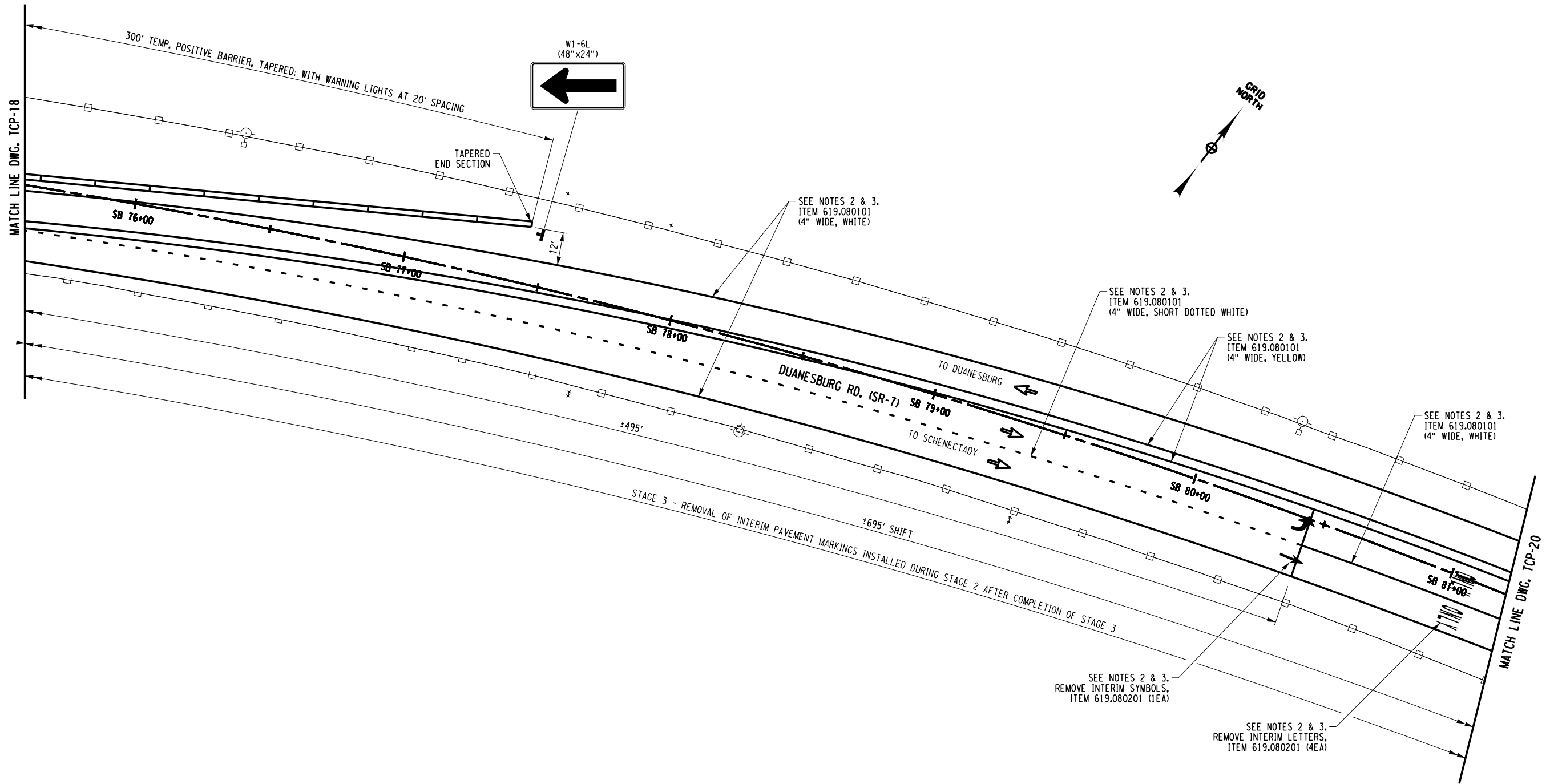
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

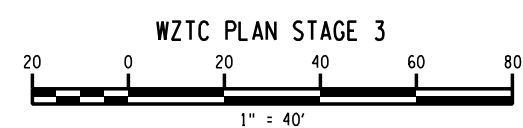
DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE



NOTES

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LEGEND

- : CHANNELIZING DEVICE
- : TEMPORARY SIGN
- : TEMPORARY POSITIVE BARRIER
- : DIRECTION OF TRAFFIC

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING WZTC STAGE 3 PLAN (SHEET 5 OF 7)	DRAWING NUMBER: TCP-19

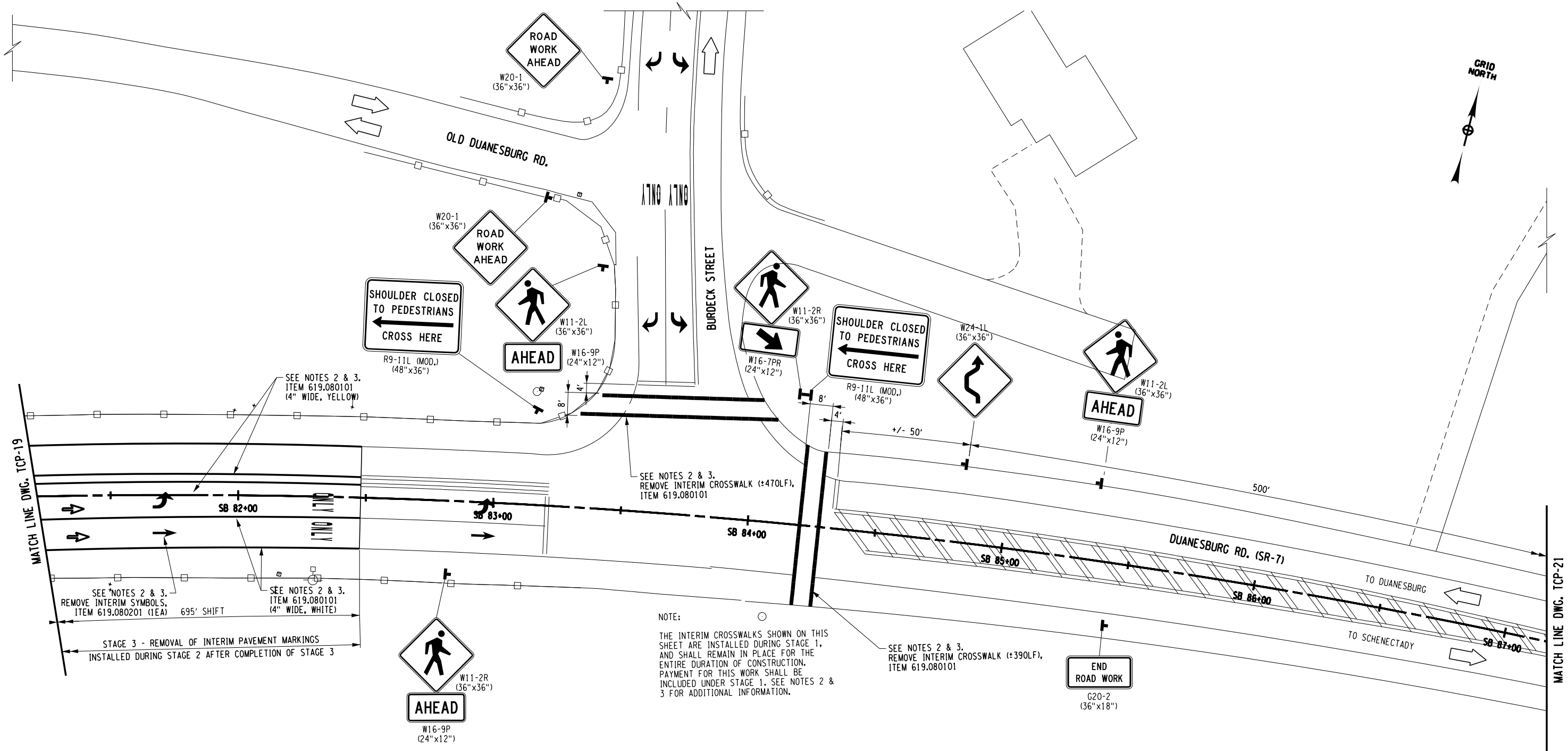
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

DESIGN SUPERVISOR: D. LIVERMORE

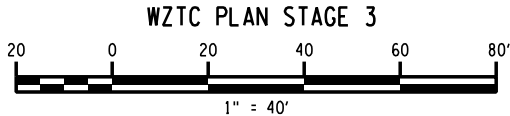


NOTE:
THE INTERIM CROSSWALKS SHOWN ON THIS SHEET ARE INSTALLED DURING STAGE 1, AND SHALL REMAIN IN PLACE FOR THE ENTIRE DURATION OF CONSTRUCTION. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER STAGE 1. SEE NOTES 2 & 3 FOR ADDITIONAL INFORMATION.

NOTES

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LEGEND

- Channelizing Device
- Temporary Sign
- Temporary Positive Barrier
- Direction of Traffic

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:



REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 3 PLAN (SHEET 6 OF 7)	DRAWING NUMBER: TCP-20

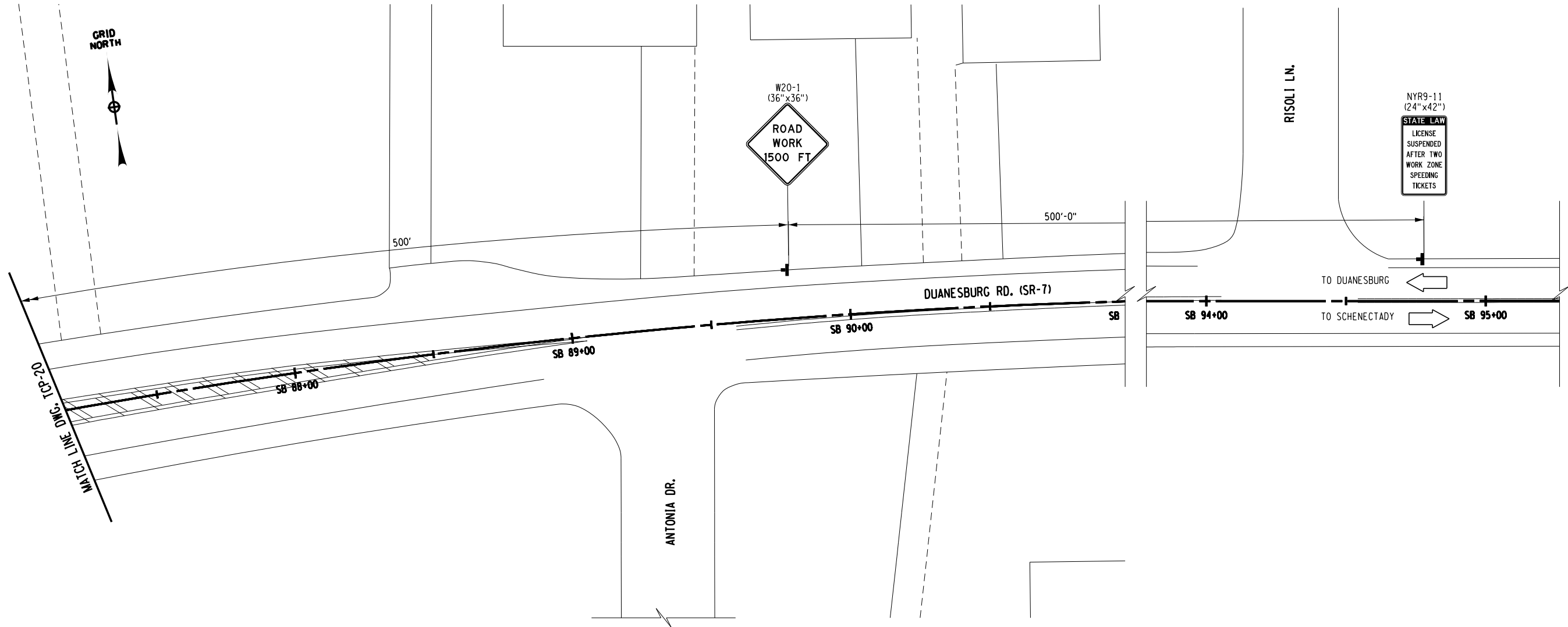
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: R. HOSLEY

DESIGNED BY: J. SHINSKI

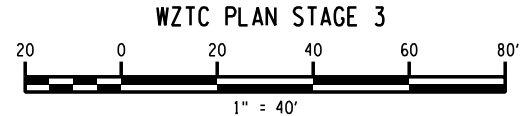
DESIGN SUPERVISOR: D. LIVERMORE



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LEGEND

 : TEMPORARY SIGN

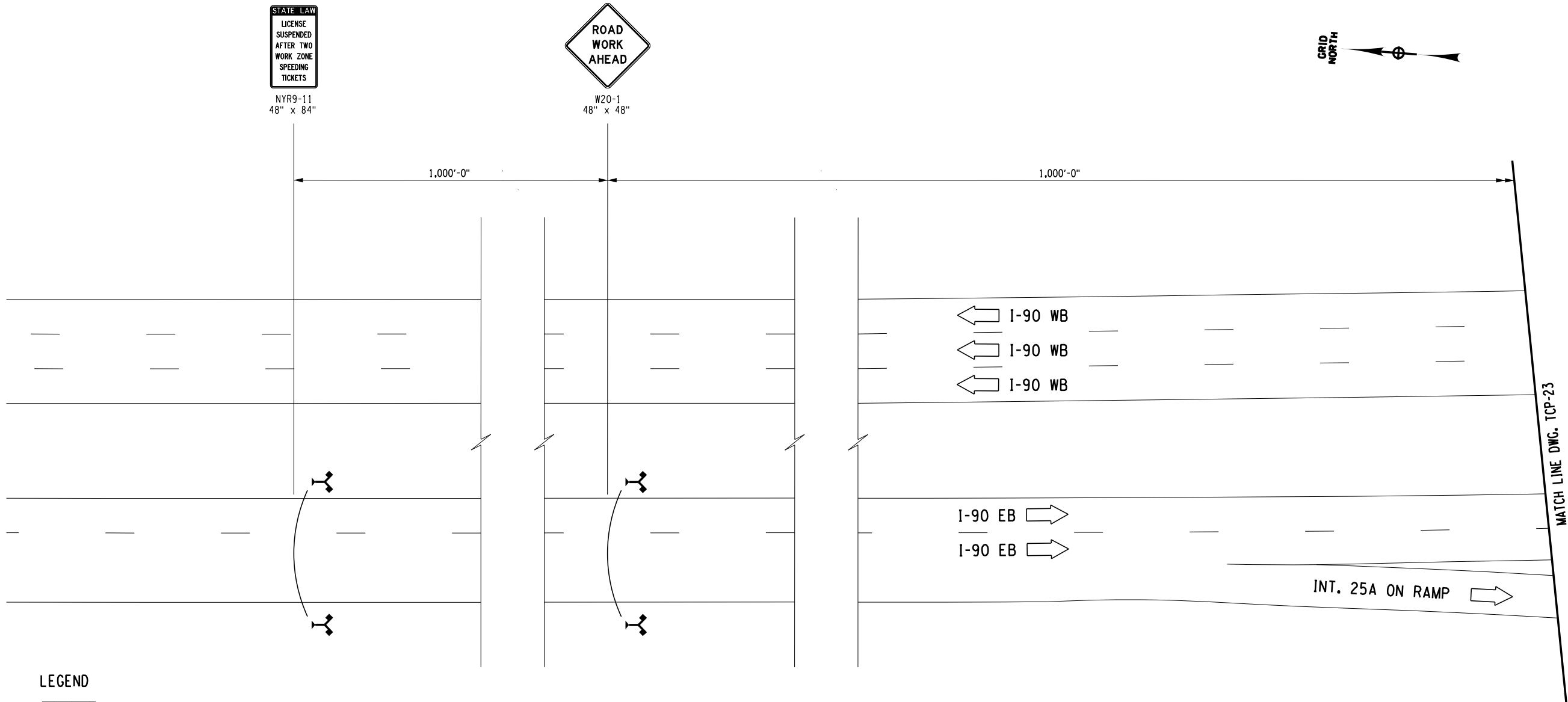
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SIGNATURE: STAMP:	SIGNATURE: STAMP: 

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC STAGE 3 PLAN (SHEET 7 OF 7)	DRAWING NUMBER: TCP-21



LEGEND



WORK SPACE



DRUMS @ 40' SPACING



DIRECTION OF TRAFFIC



TEMPORARY SIGN



TEMPORARY POSITIVE BARRIER



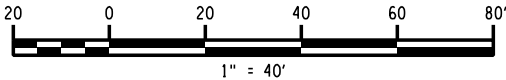
EXISTING GUIDE RAILING



TYPE III BARRIER



TEMPORARY SIGN WITH FLAG TREE



ALTERED ON:

AFFIXED ON:
08/06/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



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REVISIONS

DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
WZTC
MAINLINE PLAN - EASTBOUND
(SHEET 1 OF 6)

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
TCP-22

LEGEND

- 

WORK SPACE
- 

TEMPORARY SIGN
- 

TYPE III BARRIER
- 

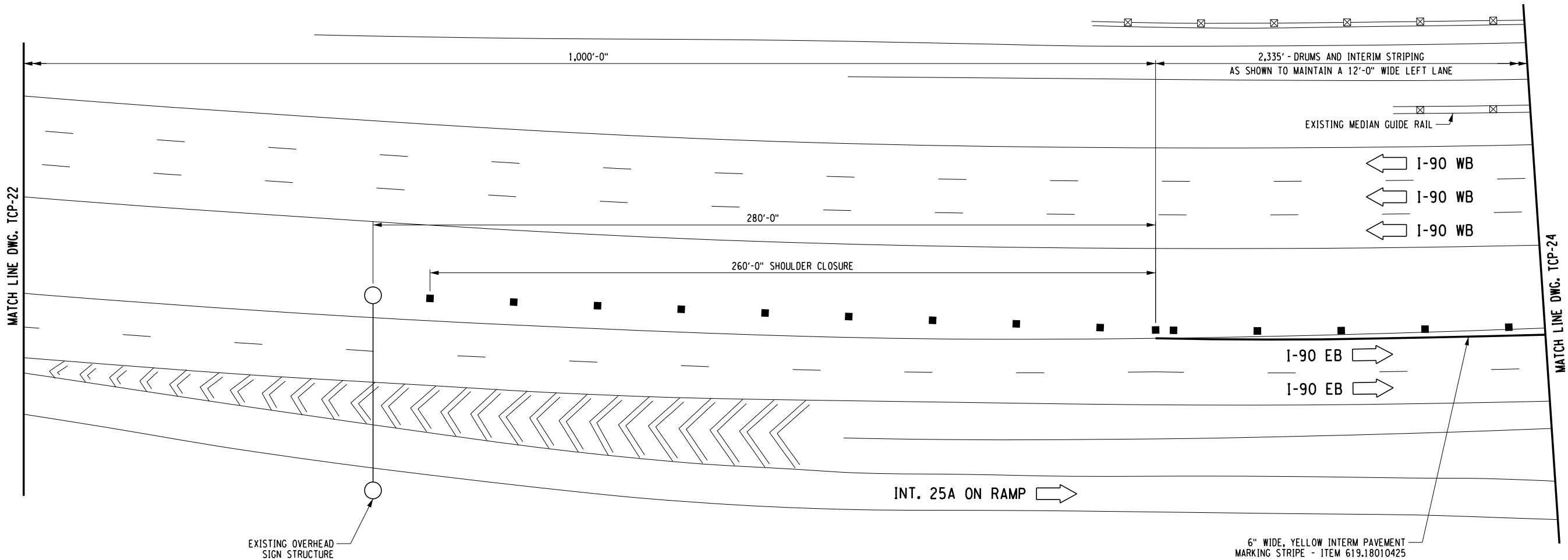
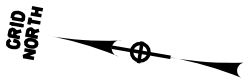
DRUMS @ 40' SPACING
- 

TEMPORARY POSITIVE BARRIER
- 

TEMPORARY SIGN WITH FLAG TREE
- 

DIRECTION OF TRAFFIC
- 

EXISTING GUIDE RAILING



ALTERED ON:

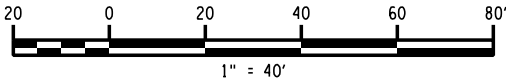
AFFIXED ON:
08/06/2025

SIGNATURE:
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



Thruway
Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
WZTC
MAINLINE PLAN - EASTBOUND
(SHEET 2 OF 6)

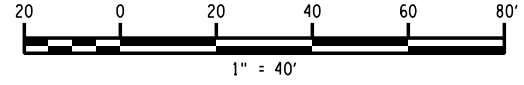
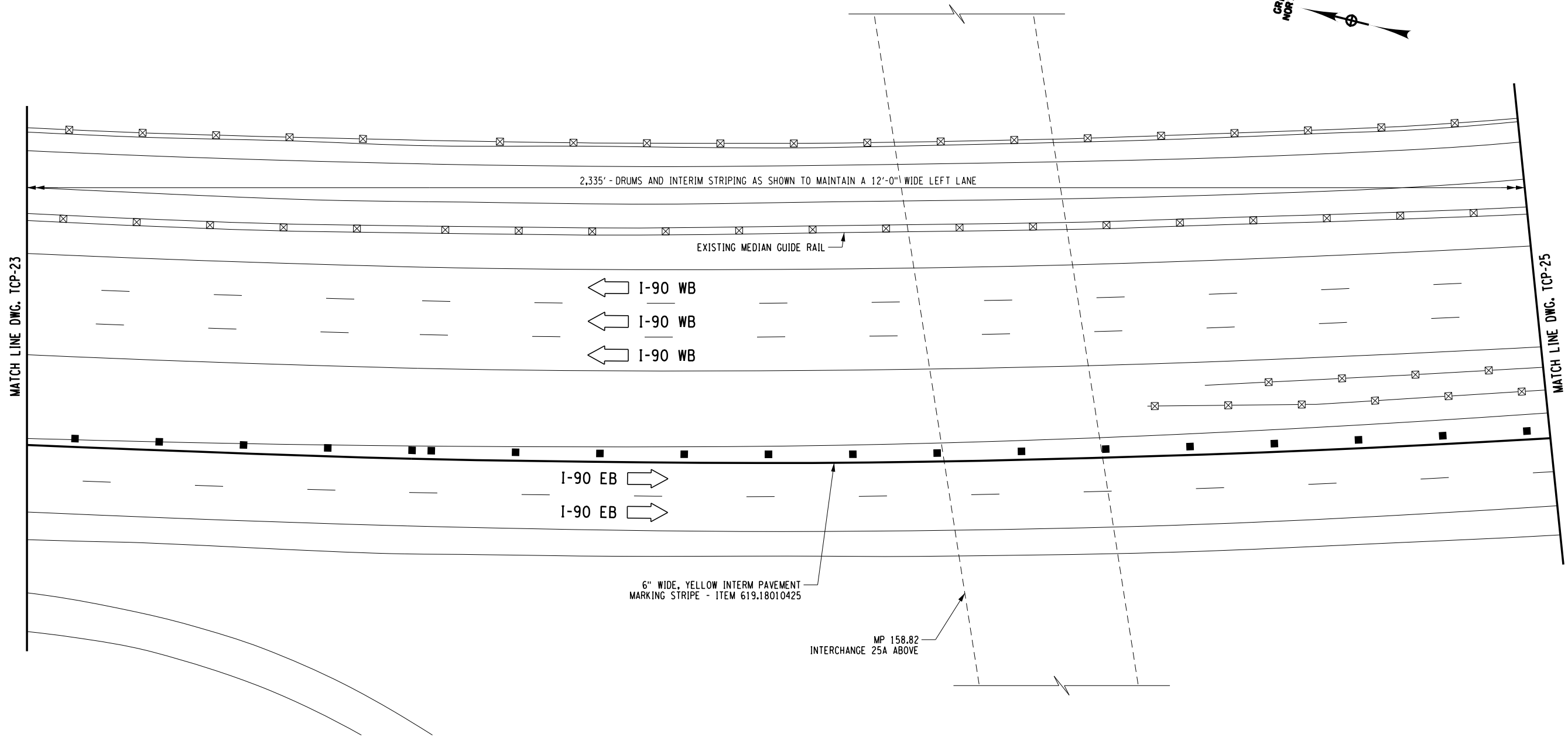
CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
TCP-23

LEGEND

-  WORK SPACE
-  TEMPORARY SIGN
-  TYPE III BARRIER
-  DRUMS @ 40' SPACING
-  TEMPORARY POSITIVE BARRIER
-  DIRECTION OF TRAFFIC
-  EXISTING GUIDE RAILING



ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

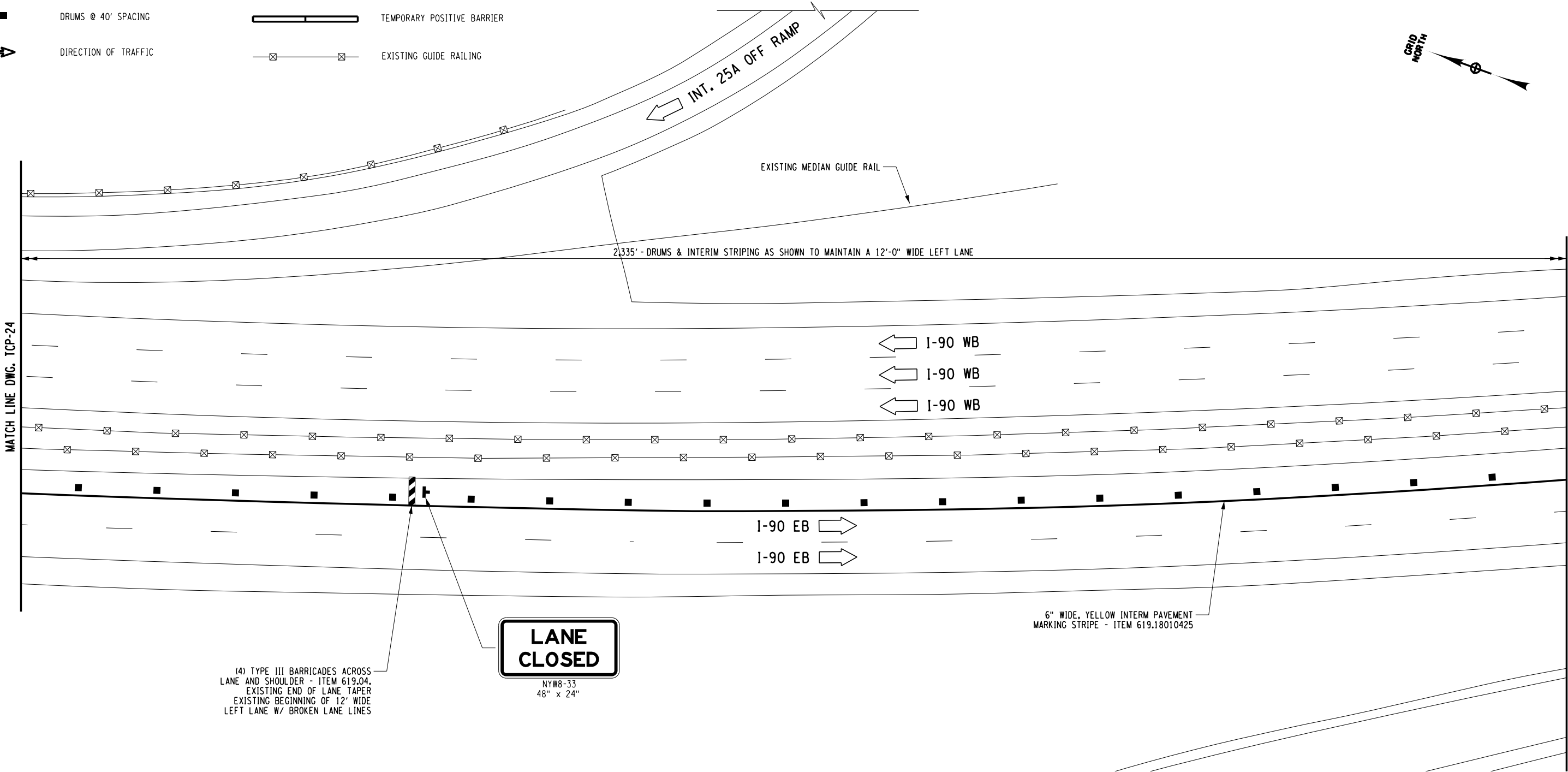
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC MAINLINE PLAN - EASTBOUND (SHEET 3 OF 6)		DRAWING NUMBER: TCP-24

LEGEND

-  WORK SPACE
-  TEMPORARY SIGN
-  TYPE III BARRIER
-  DRUMS @ 40' SPACING
-  TEMPORARY POSITIVE BARRIER
-  DIRECTION OF TRAFFIC
-  EXISTING GUIDE RAILING

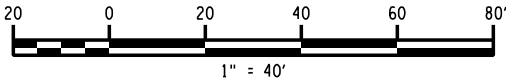


(4) TYPE III BARRICADES ACROSS
LANE AND SHOULDER - ITEM 619.04,
EXISTING END OF LANE TAPER
EXISTING BEGINNING OF 12' WIDE
LEFT LANE W/ BROKEN LANE LINES

**LANE
CLOSED**

NYW8-33
48" x 24"

6" WIDE, YELLOW INTERM PAVEMENT
MARKING STRIPE - ITEM 619.18010425



ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC MAINLINE PLAN - EASTBOUND (SHEET 4 OF 6)	DRAWING NUMBER: TCP-25

LEGEND

- 

WORK SPACE
- 

TEMPORARY SIGN
- 

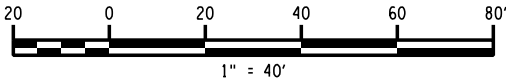
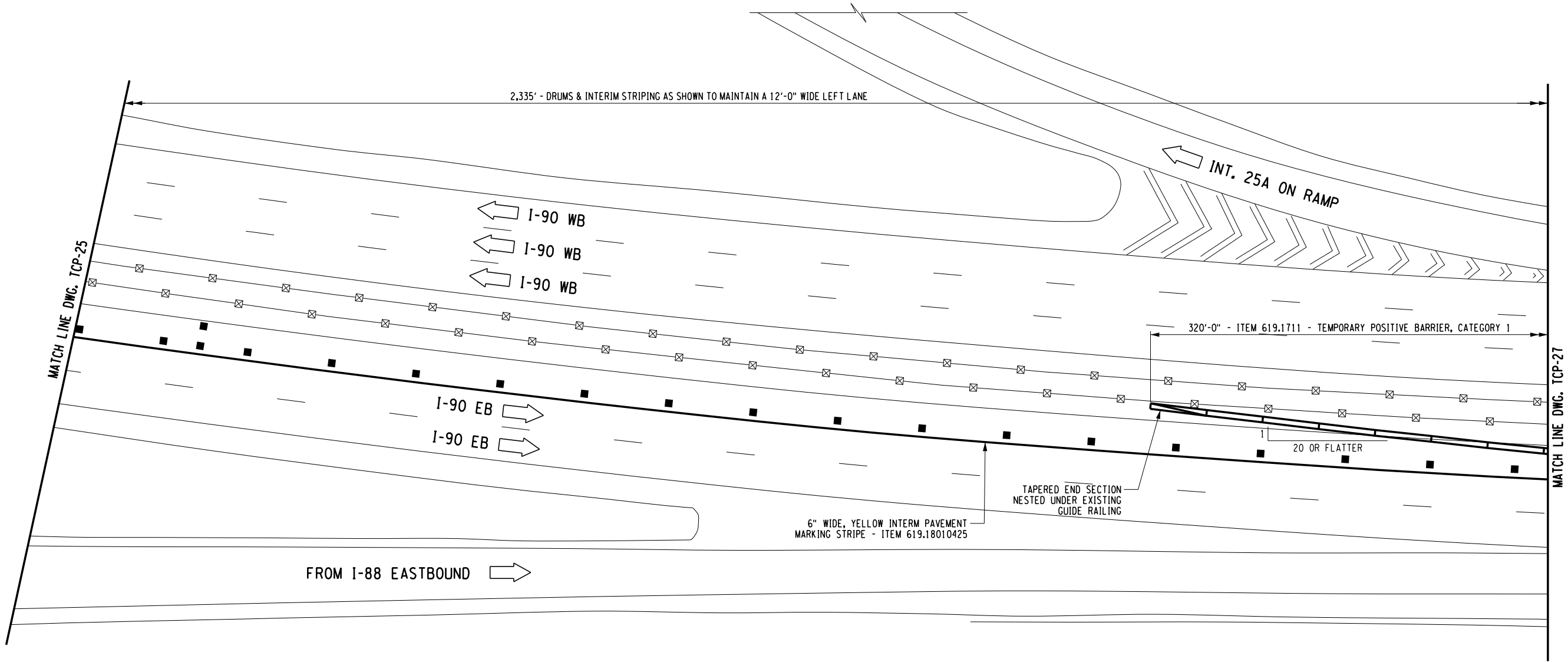
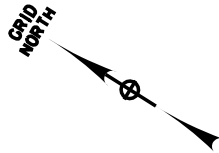
TYPE III BARRIER
- 

DRUMS @ 40' SPACING
- 

DIRECTION OF TRAFFIC
- 

TEMPORARY POSITIVE BARRIER
- 

EXISTING GUIDE RAILING



ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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

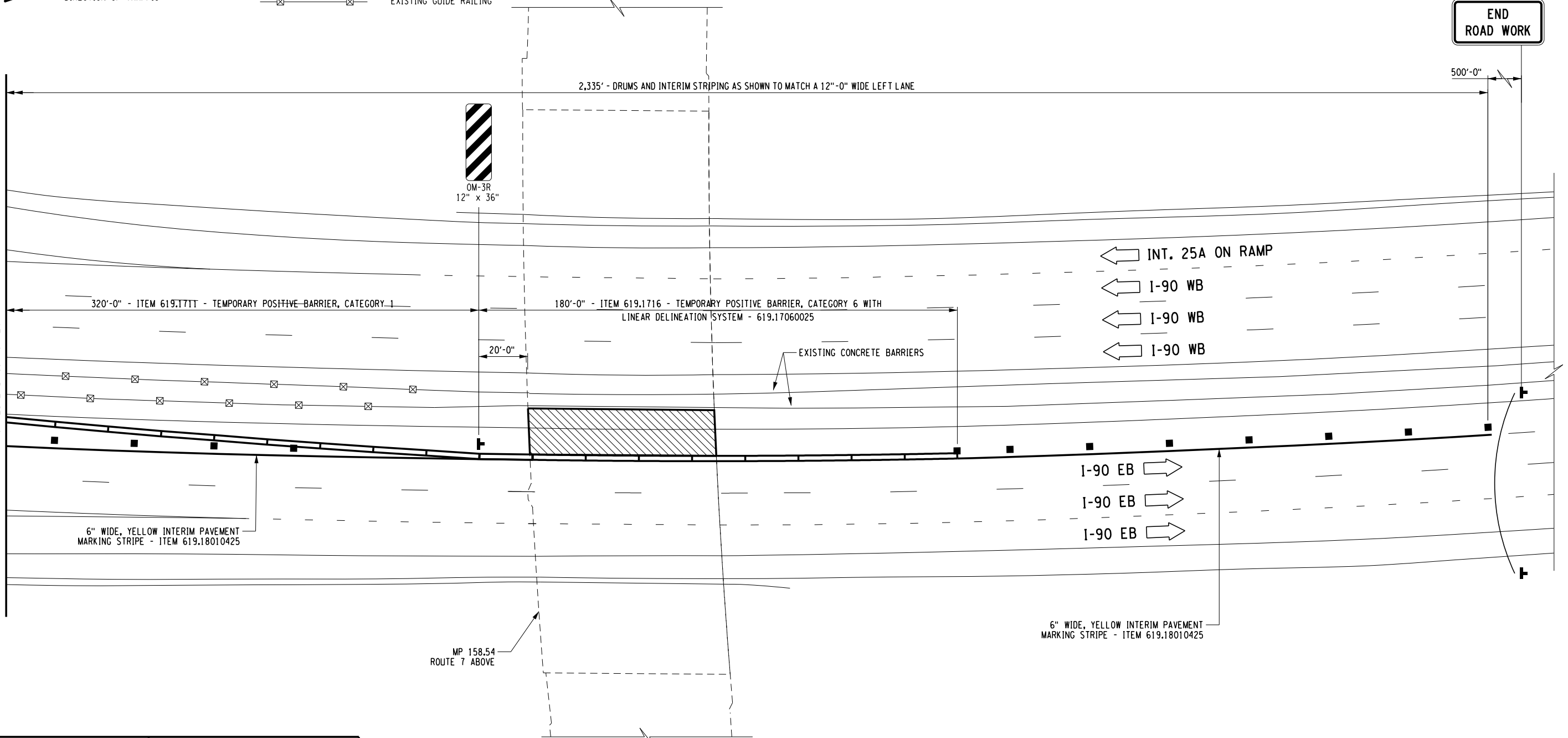
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC MAINLINE PLAN - EASTBOUND (SHEET 5 OF 6)		DRAWING NUMBER: TCP-26

LEGEND

-  WORK SPACE
-  TEMPORARY SIGN
-  TYPE III BARRIER
-  DRUMS @ 40' SPACING
-  TEMPORARY POSITIVE BARRIER
-  DIRECTION OF TRAFFIC
-  EXISTING GUIDE RAILING

MATCH LINE DWG. TCP-26

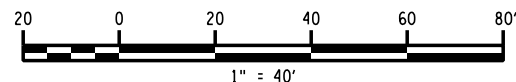


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

NOTES

- SIGNS NOT LOCATED WITH DIMENSIONS ARE TO BE PLACED APPROXIMATELY AS SHOWN.
- WORK ON THE WESTBOUND SIDE OF THE PIER SHALL BE DONE BY TEMPORARY LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH THE NYS THRUWAY STANDARD SHEETS.
- REFER TO CONSTRUCTION STAGING NOTES AND WZTC SUGGESTED SEQUENCE OF OPERATIONS IN DWG. TCN-01 FOR ADDITIONAL DETAILS.

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



REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING WZTC MAINLINE PLAN - EASTBOUND (SHEET 6 OF 6)	DRAWING NUMBER: TCP-27

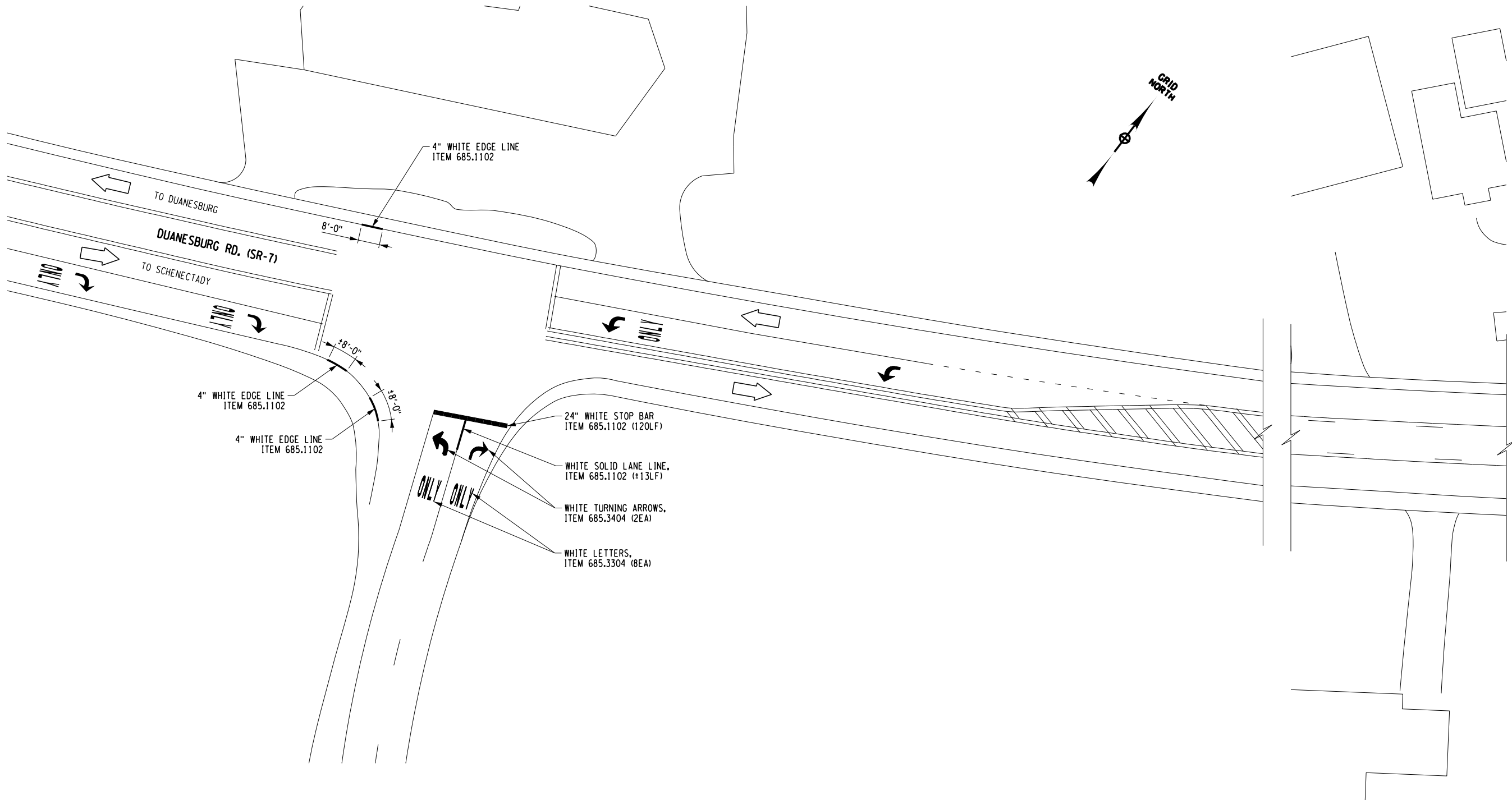
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

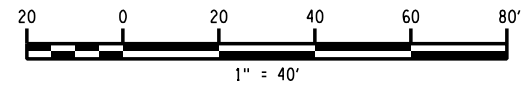


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

NOTES:

- ALL PAVEMENT MARKING DETAILS SHALL BE IN ACCORDANCE WITH NYSDOT STD. SHEET 685-01.
- ALL INTERIM PAVEMENT MARKINGS INSTALLED DURING WZTC STAGING SHALL BE REMOVED PRIOR TO THE INSTALLATION OF PERMANENT PAVEMENT MARKINGS. REFER TO THE WZTC STAGE 3 PLANS FOR REMOVAL PAY ITEMS.

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REVISIONS					TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
DATE	DESCRIPTION	BY	SYMBOL		LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
					TITLE OF DRAWING PAVEMENT STRIPING PLAN (SHEET 1 OF 5)	DRAWING NUMBER: PMP-01

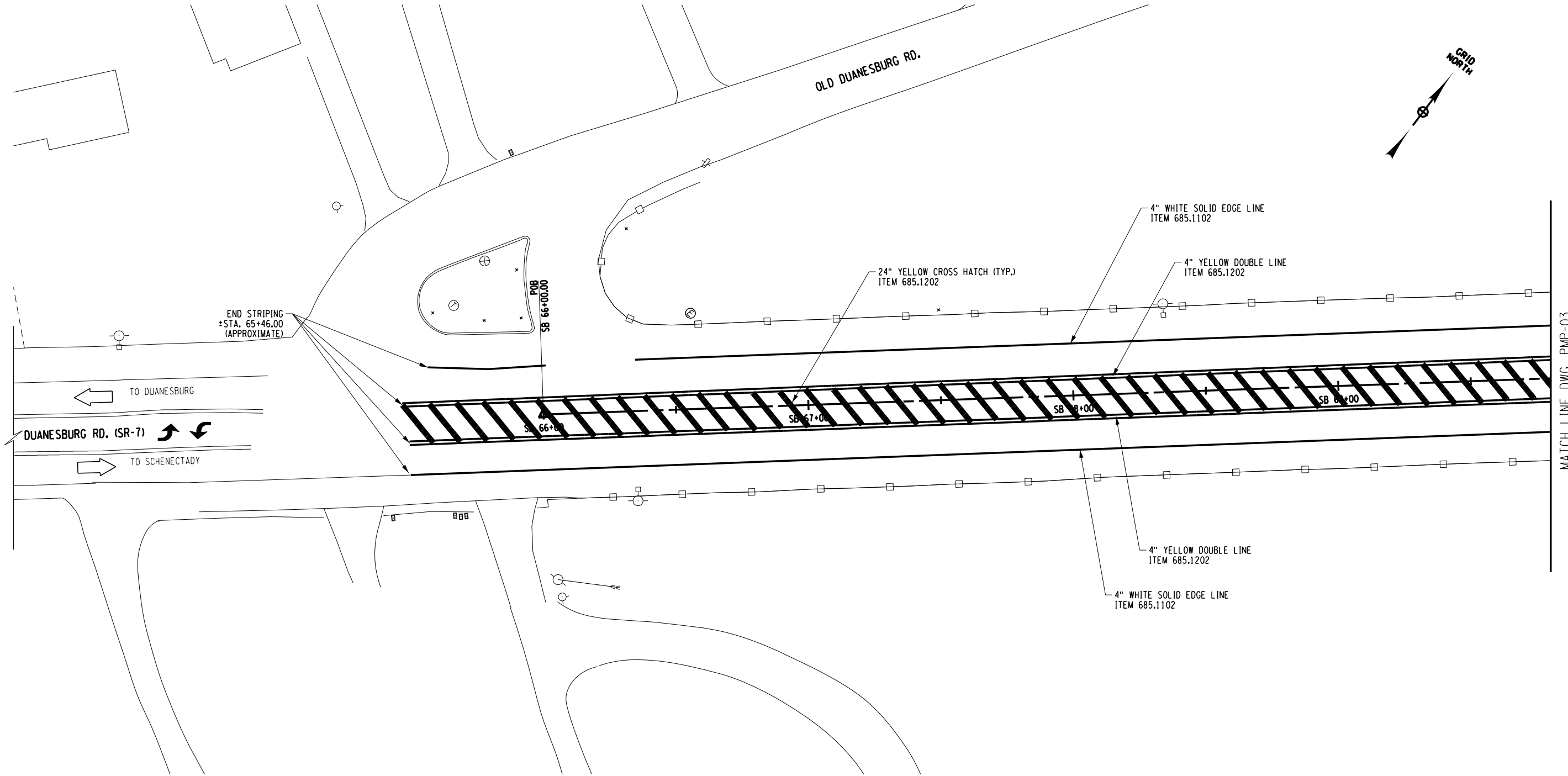
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE



ALTERED ON:

AFFIXED ON: 08/06/2025

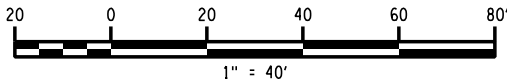
SIGNATURE: STAMP:

SIGNATURE: STAMP:



NOTES:

1. ALL PAVEMENT MARKING DETAILS SHALL BE IN ACCORDANCE WITH NYSDDOT STD. SHEET 685-01.
2. ALL INTERIM PAVEMENT MARKINGS INSTALLED DURING WZTC STAGING SHALL BE REMOVED PRIOR TO THE INSTALLATION OF PERMANENT PAVEMENT MARKINGS. REFER TO THE WZTC STAGE 3 PLANS FOR REMOVAL PAY ITEMS.



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
PAVEMENT STRIPING PLAN
(SHEET 2 OF 5)

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
PMP-02

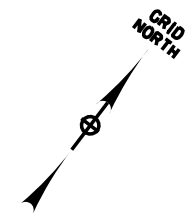
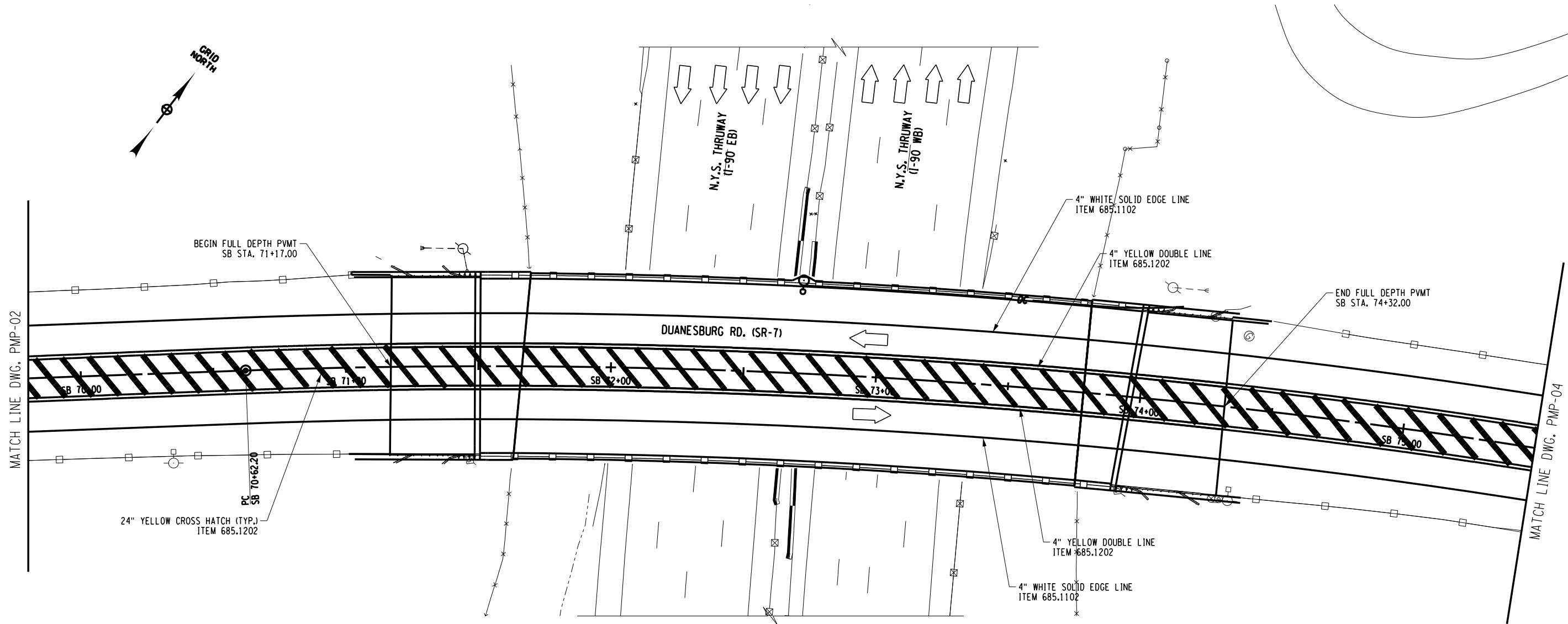
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE



BEGIN FULL DEPTH PVMT
SB STA. 71+17.00

PC
SB 70+62.20

24" YELLOW CROSS HATCH (TYP.)
ITEM 685.1202

4" WHITE SOLID EDGE LINE
ITEM 685.1102

4" YELLOW DOUBLE LINE
ITEM 685.1202

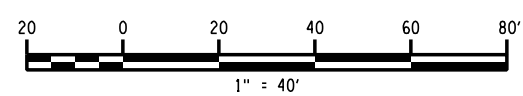
4" WHITE SOLID EDGE LINE
ITEM 685.1102

4" YELLOW DOUBLE LINE
ITEM 685.1202

END FULL DEPTH PVMT
SB STA. 74+32.00

NOTES:

1. ALL PAVEMENT MARKING DETAILS SHALL BE IN ACCORDANCE WITH NYSDOT STD. SHEET 685-01.
2. ALL INTERIM PAVEMENT MARKINGS INSTALLED DURING WZTC STAGING SHALL BE REMOVED PRIOR TO THE INSTALLATION OF PERMANENT PAVEMENT MARKINGS. REFER TO THE WZTC STAGE 3 PLANS FOR REMOVAL PAY ITEMS.



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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



**Thruway
Authority**

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
PAVEMENT STRIPING PLAN
(SHEET 3 OF 5)

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
PMP-03

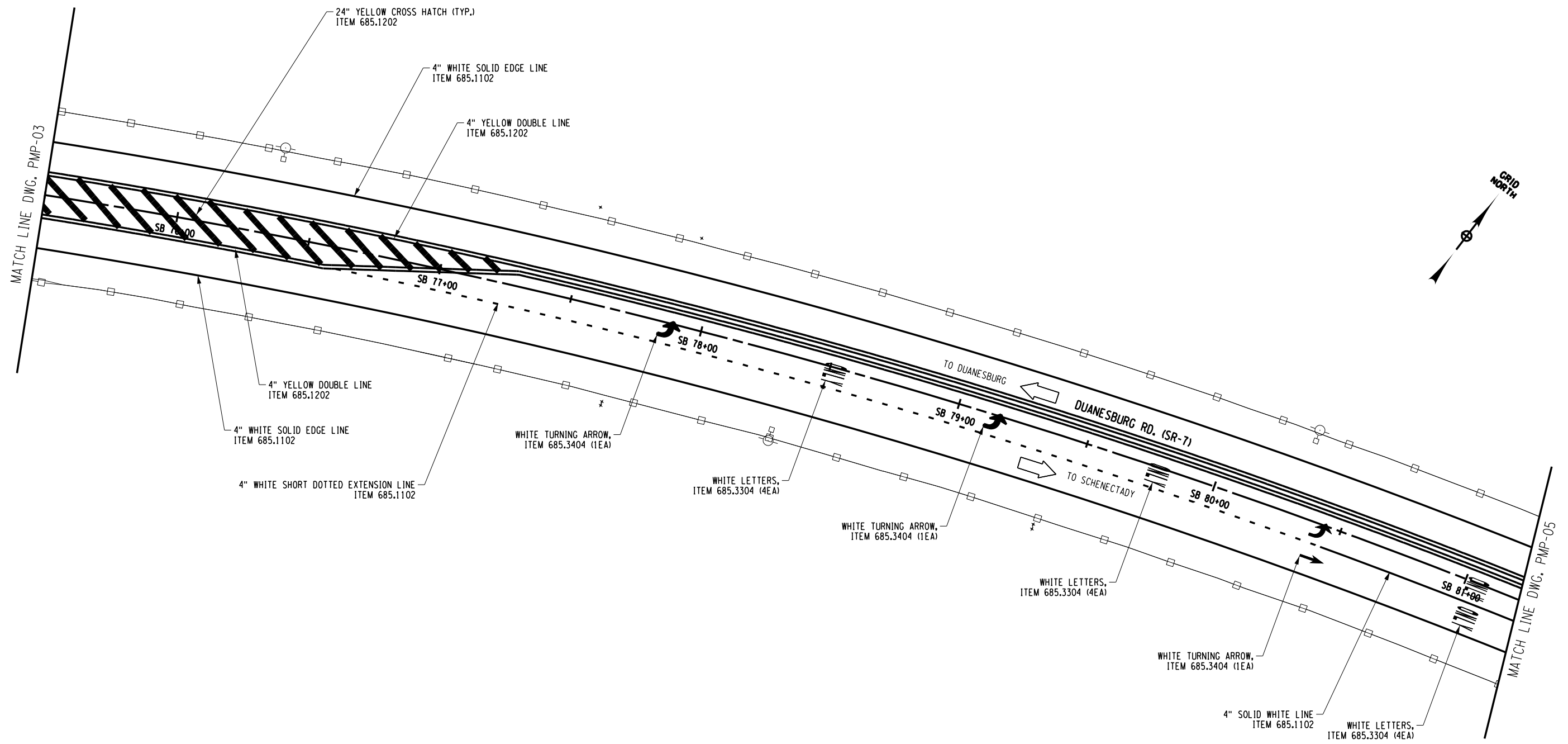
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE

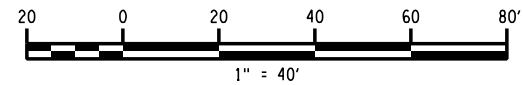


ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

NOTES:

- ALL PAVEMENT MARKING DETAILS SHALL BE IN ACCORDANCE WITH NYSDDT STD. SHEET 685-01.
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING PAVEMENT STRIPING PLAN (SHEET 4 OF 5)	DRAWING NUMBER: PMP-04

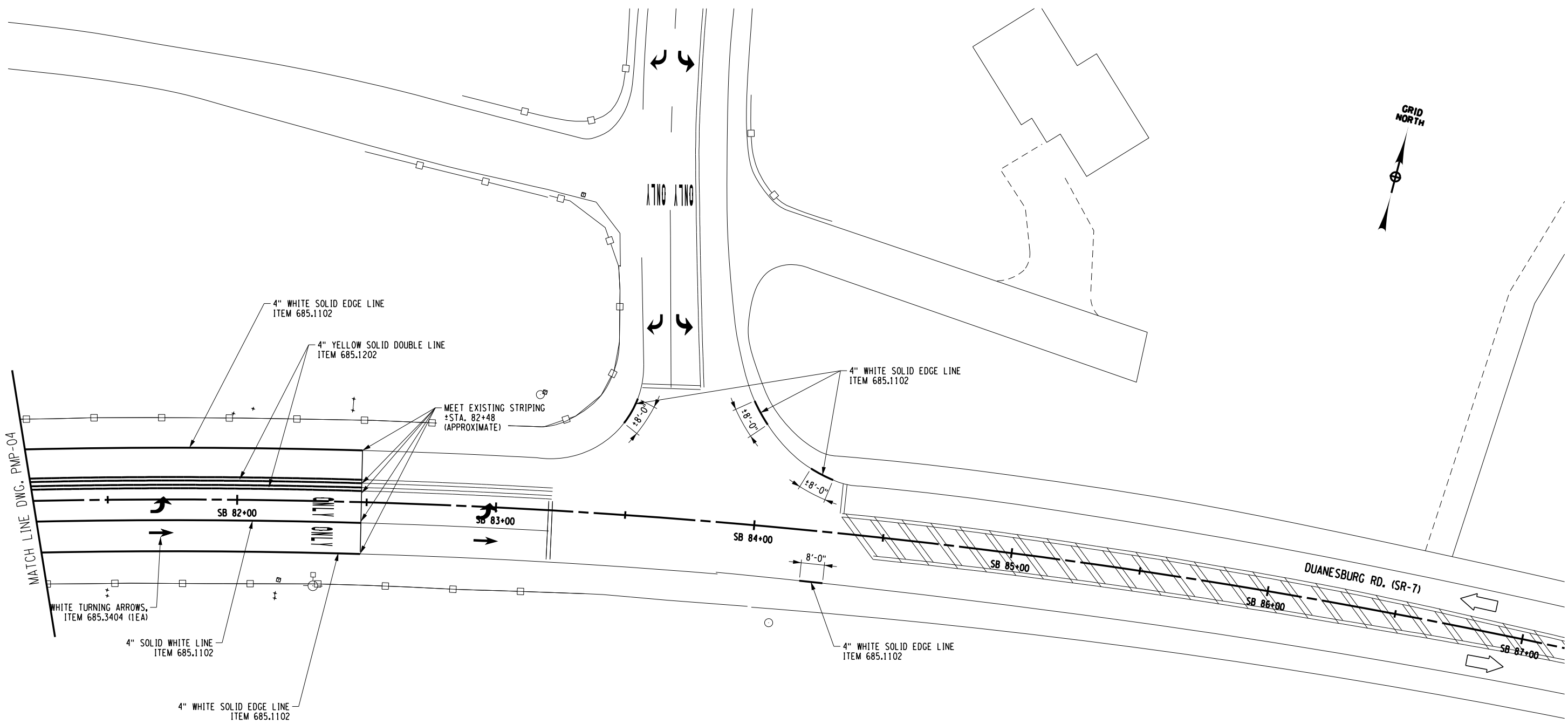
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

DESIGN SUPERVISOR: D. LIVERMORE



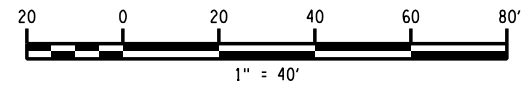
ALTERED ON:	AFFIXED ON:
	08/06/2025
SIGNATURE:	SIGNATURE:
STAMP:	STAMP:



NOTES:

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	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING PAVEMENT STRIPING PLAN (SHEET 5 OF 5)	DRAWING NUMBER: PMP-05

UTILITY TABLE				
DESCRIPTION	OWNER	LOCATION	NOTES	REQUIRED WORK
ITS EQUIPMENT	NYSTA	BELOW DECK: ATTACHED TO OUTSIDE OF EXISTING NORTH AND SOUTH PRIMARY MEMBERS	PROTECT AND SUPPORT EXISTING ITS EQUIPMENT DURING PAINTING AND REHABILITATION OPERATIONS	NO RELOCATION REQUIRED
OVERHEAD ELECTRIC LINES	VERIZON	ABOVE DECK: NORTH OF BRIDGE, OVERHEAD LINES SPANNING OVER THE THRUWAY	NO ANTICIPATED IMPACT	NO RELOCATION REQUIRED
GAS LINE	NATIONAL GRID	BELOW DECK: EXISTING 12" • GAS LINE SUPPORTED WITHIN THE SOUTH FASCIA BAY 6	PROTECT AND SUPPORT EXISTING ITS EQUIPMENT DURING PAINTING AND REHABILITATION OPERATIONS	NO RELOCATION REQUIRED
EMPTY CONDUIT	NYSDOT	BELOW DECK: EXISTING EMPTY CONDUITS SUPPORTED WITHIN THE NORTH FASCIA BAY 1	PROTECT AND SUPPORT EXISTING ITS EQUIPMENT DURING PAINTING AND REHABILITATION OPERATIONS	NO RELOCATION REQUIRED
LIGHTING CONDUIT	NATIONAL GRID	AT DECK LEVEL: EXISITNG 2" • ELECTRIC CONDUIT FOR LIGHTPOLE ATTACHED TO BRIDGE IS CARRIED THROUGH THE EXISTING DECK FASCIA.	CONDUIT, POLE, AND LUMINAIRE ARE TO BE REMOVED AND REPLACED	RELOCATION REQUIRED

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING MISCELLANEOUS TABLES - UTILITY TABLE	DRAWING NUMBER: MTD-01

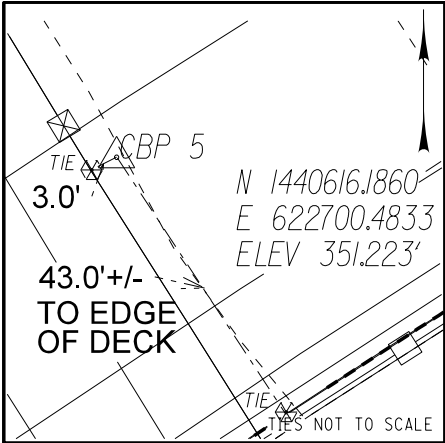
CHECKED BY: A. KOSIBA

DRAFTED BY: J. KAYSER

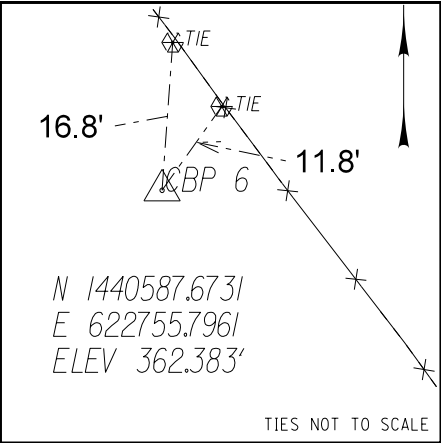
CHECKED BY: P. MULKERN

DESIGNED BY: P. MULKERN

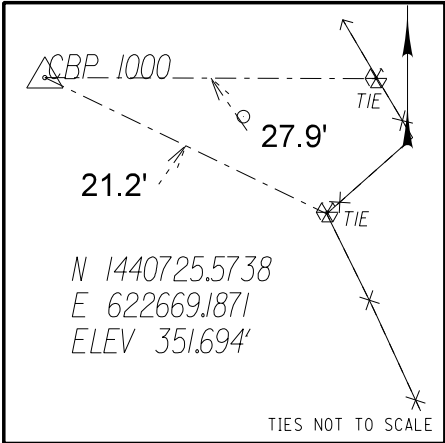
DESIGN SUPERVISOR: D. LIVERMORE



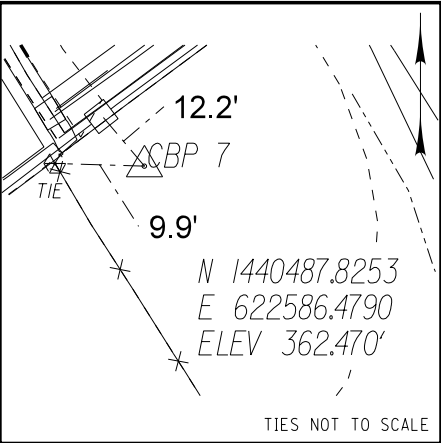
CBP5 C.S.S.
SPIKE SET BEHIND GUIDE RAIL
UNDER BRIDGE AT PE
NYSPCS EAST ZONE NAD 83
N: 1440616.186
E: 622700.483 ELEV: 351.22'



CBP6 C.S.S.
SPIKE SET 10'+/- FROM ROW FENCE
WITH WHITE NYSTA CAP
NYSPCS EAST ZONE NAD 83
N: 1440587.673
E: 622755.796 ELEV: 362.38'



CBP1000 C.S.S.
SPIKE SET 21' FROM ROW FENCE
CORNER WITH WHITE NYSTA CAP
NYSPCS EAST ZONE NAD 83
N: 1440725.574
E: 622669.187 ELEV: 351.69'



CBP7 C.S.S.
SPIKE SET 12'+/- FROM GUIDE RAIL
WITH WHITE NYSTA CAP
NYSPCS EAST ZONE NAD 83
N: 1440487.825
E: 622586.479 ELEV: 362.47'

PROJECT SURVEY CONTROL

P.I.N. A52904

BASE MAPPING OF THE PROJECT SITE IS FROM A SURVEY PERFORMED OCTOBER 2025.
ALBANY COUNTY
UNITS: **US FEET**

THE **HORIZONTAL DATUM** IS THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT: **NAD 83(2011)**

THE COORDINATE SYSTEM IS THE NEW YORK STATE PLANE COORDINATE SYSTEM, EASTERN ZONE 3101.

SURVEY BASELINE DISTANCES ARE REDUCED TO THE STATE PLANE COORDINATE SYSTEM GRID BY AN AVERAGE COMBINED SCALE FACTOR (GRID FACTOR x ELEVATIONFACTOR) THE SCALE FACTOR IS FROM PROJECT A52904 AND TITLED, "MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY" TOWN OF ROTTERDAM, SCHENECTADY COUNTY, AND DATED OCTOBER 2025:

THE NGS AND NYSNET CORS STATION USED TO ESTABLISH HORIZONTAL CONTROL IS:

SITE NUMBER	DESIGNATION	NORTHING	EASTING
0049	NYAB	1,414,311.39	675,872.59

THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) USING NGS GEOID 18. THE CONTROL POINT USED TO ESTABLISH VERTICAL CONTROL IS CBP- 6 WHICH WAS ESTABLISHED ON PROJECT A52904 AND TITLED, "MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY" TOWN OF ROTTERDAM, SCHENECTADY COUNTY, AND DATED OCTOBER 2025

NAME	MOMUMENT TYPE	ELEVATION
CBP-6	SPIKE SET WITH WHITE NYSTA CAP	362.38'

NOTE: ELEVATIONS FROM CONTRACT MT 53-03 FOR THE EXISTING SUBSTRUCTURES HAVE BEEN CONVERTED FROM NGVD29 TO NAVD88, CALCULATED CHANGE OF -0.764 FT.

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

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/07/2025
TITLE OF DRAWING SURVEY CONTROL BASELINE TIES		DRAWING NUMBER: BLT-01

CHECKED BY: P. MULKERN

DRAFTED BY: P. MULKERN

CHECKED BY: P. MULKERN

DESIGNED BY: C. WAGNER

DESIGN SUPERVISOR: D. LIVERMORE

PROJECT NAME: HCL
DESCRIPTION:
HORIZONTAL ALIGNMENT NAME: RTE 7
DESCRIPTION:
ALIGNMENT STYLE: AC_P

		STATION	NORTHING	EASTING
ELEMENT: LINEAR				
POB	()	SB 66+00.00	1440160.5016	622119.6040
	EQNBK	0+00.00	1440160.5016	622119.6040
	EQNAHD	SB 66+00.00	1440160.5016	622119.6040
PC	()	SB 70+62.20	1440453.8278	622476.8051
TANGENTIAL DIRECTION:	N 50°36'28.3" E			
TANGENTIAL LENGTH :	462.204			
ELEMENT: CIRCULAR				
PC	()	SB 70+62.20	1440453.8278	622476.8051
PI	()	SB 81+79.02	1441162.5895	623339.9071
CC	()		1438485.8563	624092.8630
PT	()	SB 91+67.18	1441007.7388	624445.9403
	RADIUS:	2546.479		
	DELTA:	47°21'43.4" RIGHT		
DEGREE OF CURVATURE (ARC):	2°15'00.0"			
LENGTH:	2104.980			
TANGENT:	1116.821			
CHORD:	2045.559			
MIDDLE ORDINATE:	214.425			
EXTERNAL:	234.140			
TANGENT DIRECTION:	N 50°36'28.3" E			
RADIAL DIRECTION:	S 39°23'31.7" E			
CHORD DIRECTION:	N 74°17'20.0" E			
RADIAL DIRECTION:	S 7°58'11.7" W			
TANGENT DIRECTION:	S 82°01'48.3" E			
ELEMENT: LINEAR				
PT	()	SB 91+67.18	1441007.7388	624445.9403
POE	()	SB 96+00.00	1440947.7275	624874.5757
TANGENTIAL DIRECTION:	S 82°01'48.3" E			
TANGENTIAL LENGTH:	432.816			

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING HORIZONTAL AND VERTICAL ALIGNMENT DATA	DRAWING NUMBER: HCT-01

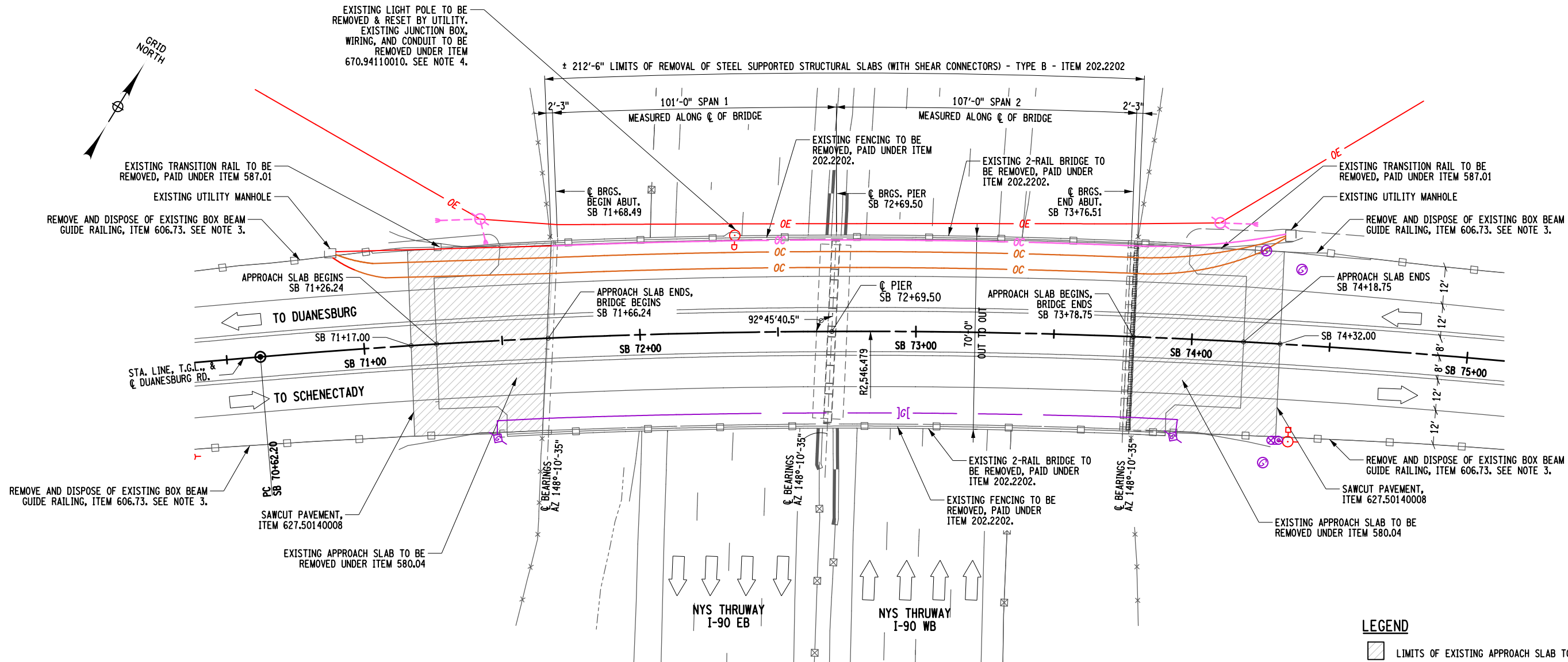
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

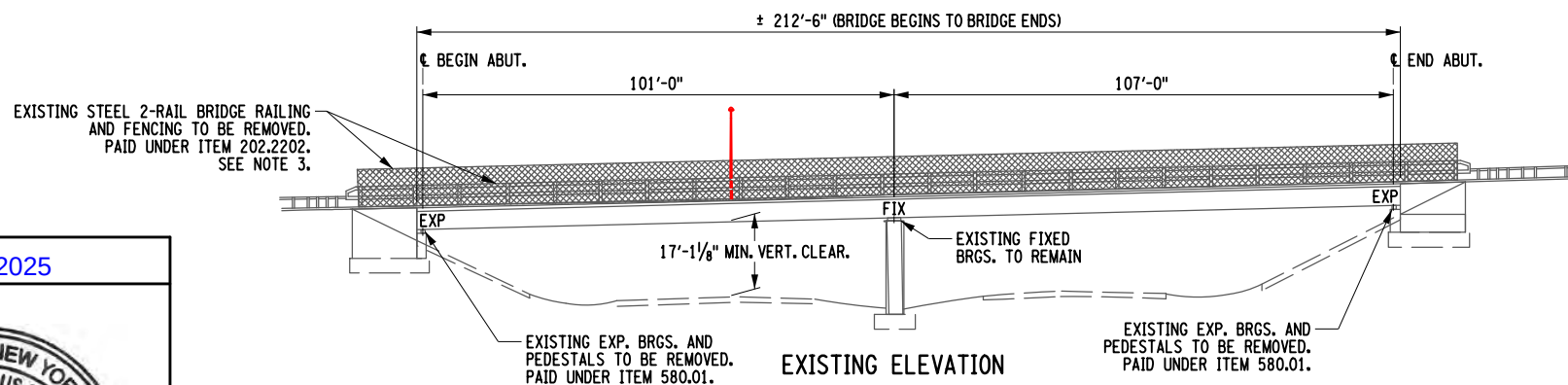
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



EXISTING PLAN



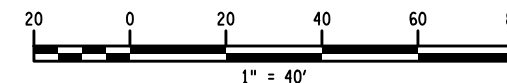
EXISTING ELEVATION

LEGEND

- LIMITS OF EXISTING APPROACH SLAB TO BE REMOVED

NOTES:

- APPROXIMATE CENTERLINE IS DERIVED FROM THE RECORD PLANS FOR D096243.
- THE CONTRACTOR IS ADVISED THAT EXISTING ITS EQUIPMENT WILL BE PRESENT ON THE BRIDGE DURING CONSTRUCTION. ALL EXISTING ITS EQUIPMENT SHALL BE MAINTAINED AND PROTECTED DURING CONSTRUCTION AND PAINTING OPERATIONS.
- FOR REMOVAL LIMITS OF THE EXISTING 2-RAIL BRIDGE RAILING, TRANSITION AND BOX BEAM GUIDE RAILING, SEE PROPOSED RAILING LAYOUT PLAN IN DRAWING ST-33.
- THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR THE REMOVAL AND RE-INSTALLATION OF THE LIGHT POLE. SEE UTILITY NOTES IN DWG. BGN-01 FOR ADDITIONAL INFORMATION.



ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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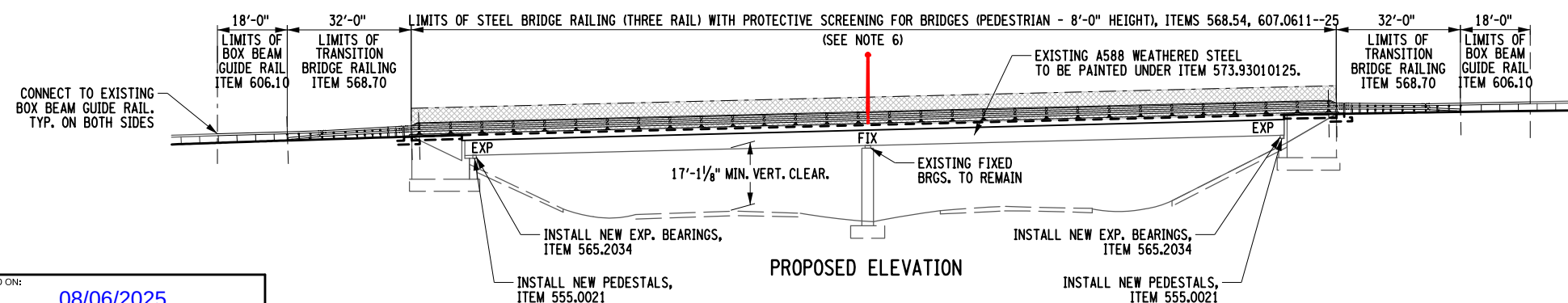
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING EXISTING BRIDGE PLAN AND ELEVATION	DRAWING NUMBER: ST-01



PROPOSED ELEVATION



TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY		CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54		DATE: 08/06/2025
TITLE OF DRAWING PROPOSED BRIDGE PLAN AND ELEVATION		DRAWING NUMBER: ST-02

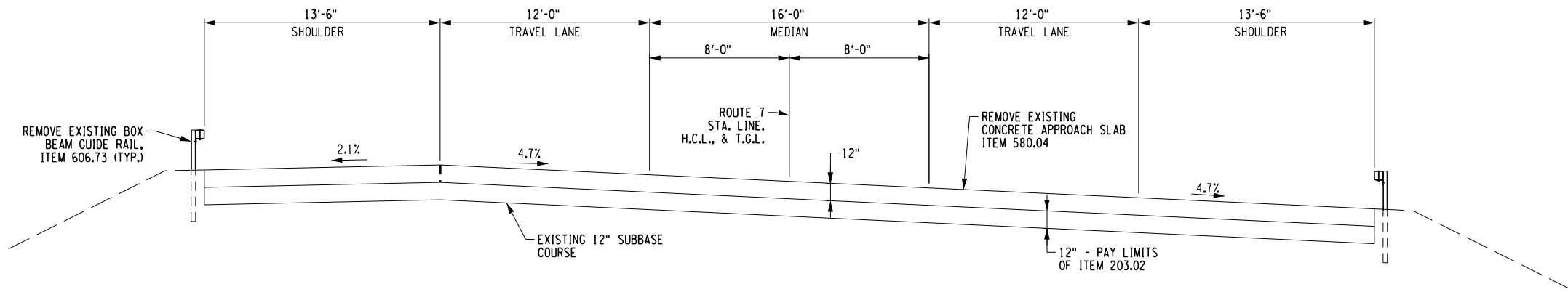
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

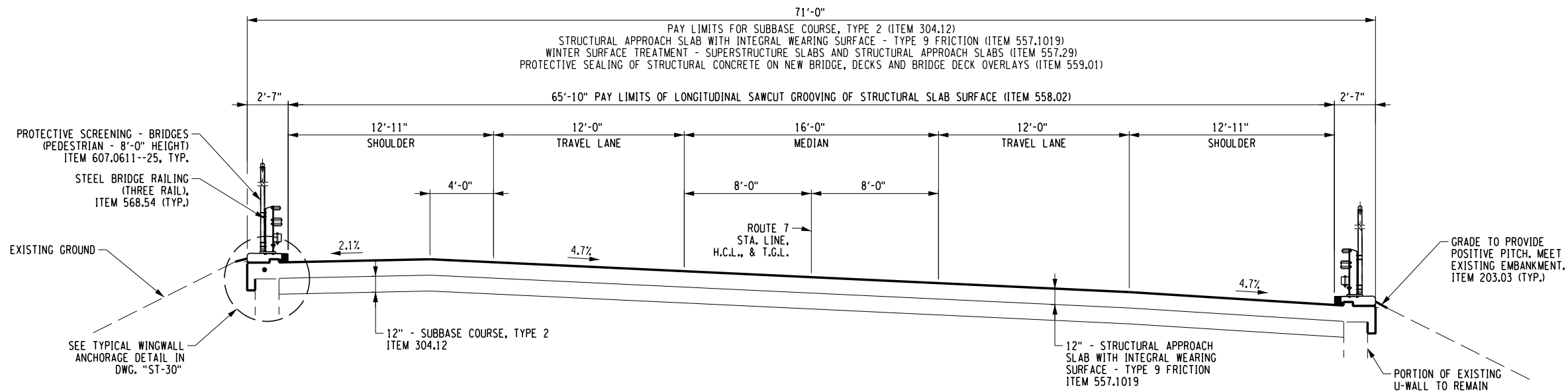
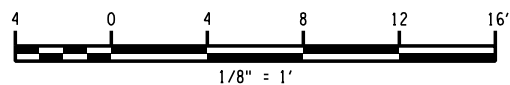
DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



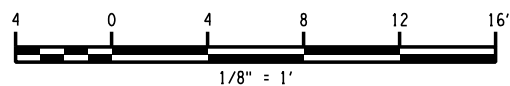
EXISTING ROUTE 7 APPROACH SLAB SECTION

STA. SB 71+26.24 TO STA. SB 71+66.24
STA. SB 73+78.75 TO STA. SB 74+18.75



PROPOSED ROUTE 7 APPROACH SLAB SECTION

STA. SB 71+50.73 TO STA. SB 71+66.48
STA. SB 73+78.51 TO STA. SB 73+95.04



ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING APPROACH SECTIONS	DRAWING NUMBER: ST-03

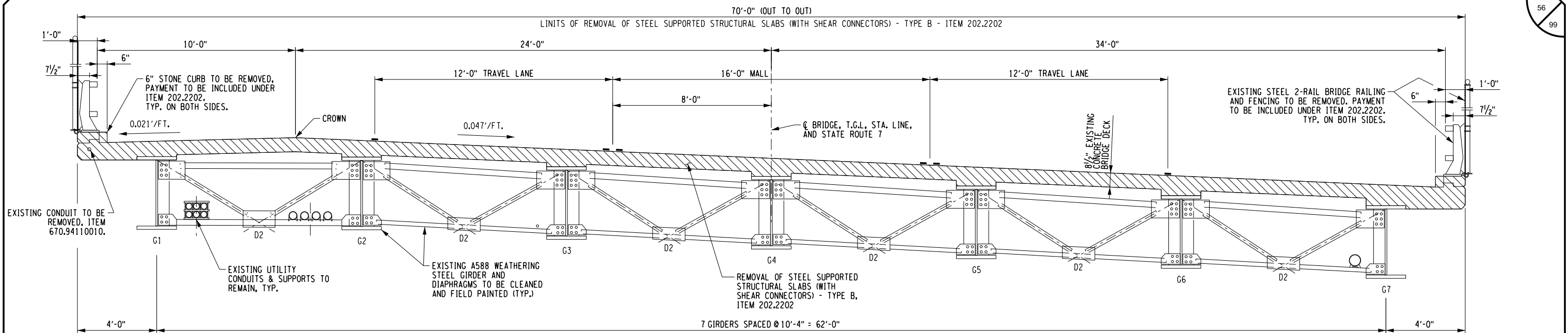
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

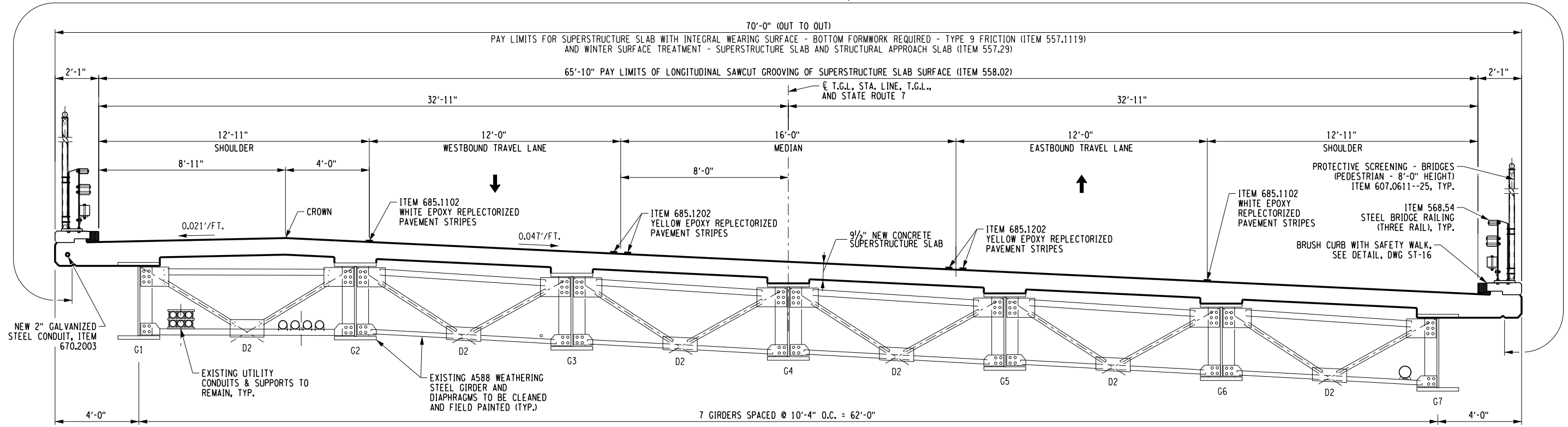
DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



EXISTING TRANSVERSE SECTION
LOOKING UPSTATION (EAST)

PAY LIMITS OF PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE, DECKS AND BRIDGE DECK OVERLAYS (ITEM 559.01)



PROPOSED TRANSVERSE SECTION
LOOKING UPSTATION (EAST)

ALTERED ON:

AFFIXED ON:
08/06/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

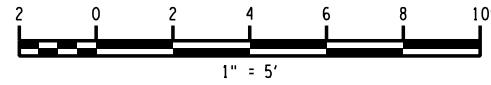
LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
TYPICAL BRIDGE SECTIONS

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
ST-04



CHECKED BY: P. MULKERN

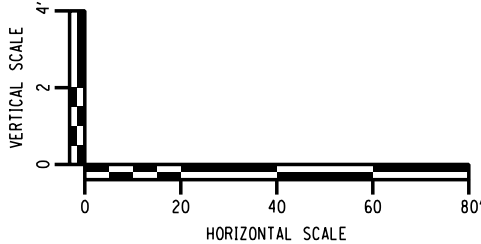
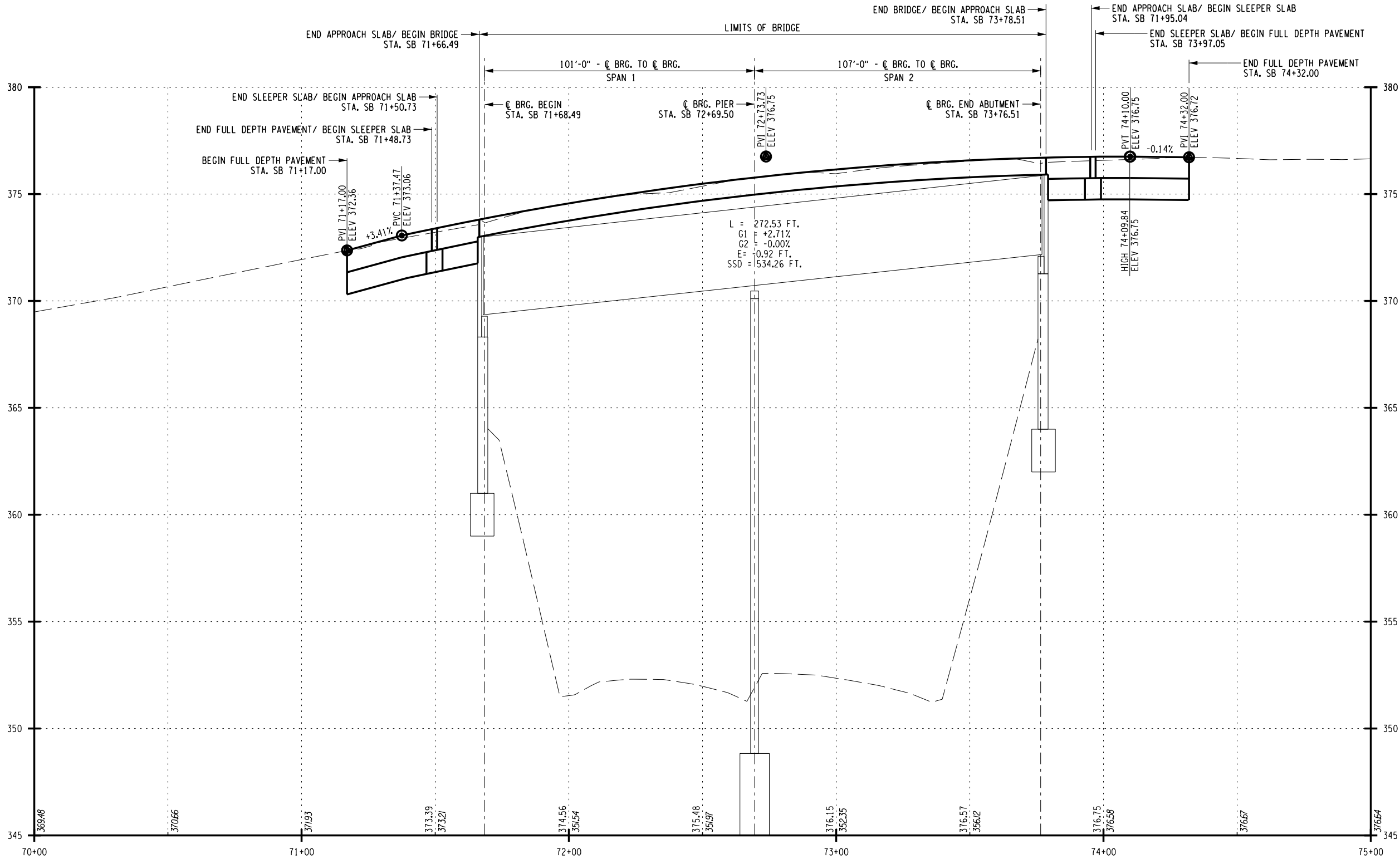
DRAFTED BY: C. WAGNER

CHECKED BY: P. MULKERN

DESIGNED BY: C. WAGNER

DESIGN SUPERVISOR: D. LIVERMORE

ELEVATION



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

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING PROPOSED PROFILE	DRAWING NUMBER: ST-05

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

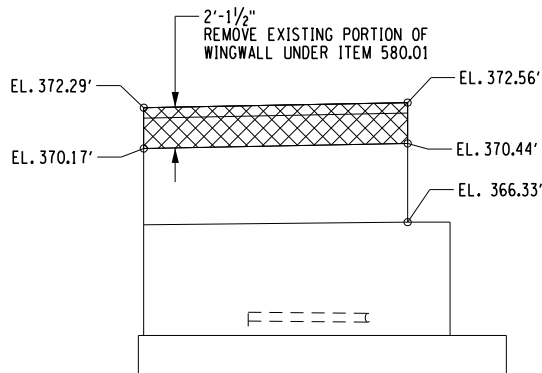
ITEM 582.0051, ABUTMENT - BEGIN				
LOCATION	LENGTH	WIDTH	DEPTH*	VOLUME
AREA 1	1.00 FT	2.17 FT	0.33 FT	0.026 CY
AREA 2	1.00 FT	1.30 FT	0.33 FT	0.016 CY
AREA 3	1.50 FT	0.80 FT	0.33 FT	0.015 CY
AREA 4	1.50 FT	1.20 FT	0.33 FT	0.022 CY
AREA 5	1.50 FT	1.50 FT	0.33 FT	0.028 CY
AREA 6	1.80 FT	0.80 FT	0.33 FT	0.018 CY
AREA 7	1.20 FT	0.80 FT	0.33 FT	0.012 CY
SUBTOTAL, THIS SHEET				0.137 CY

* DEPTH IS ASSUMED TO BE 0.33FT, AND SHALL BE FIELD VERIFIED.

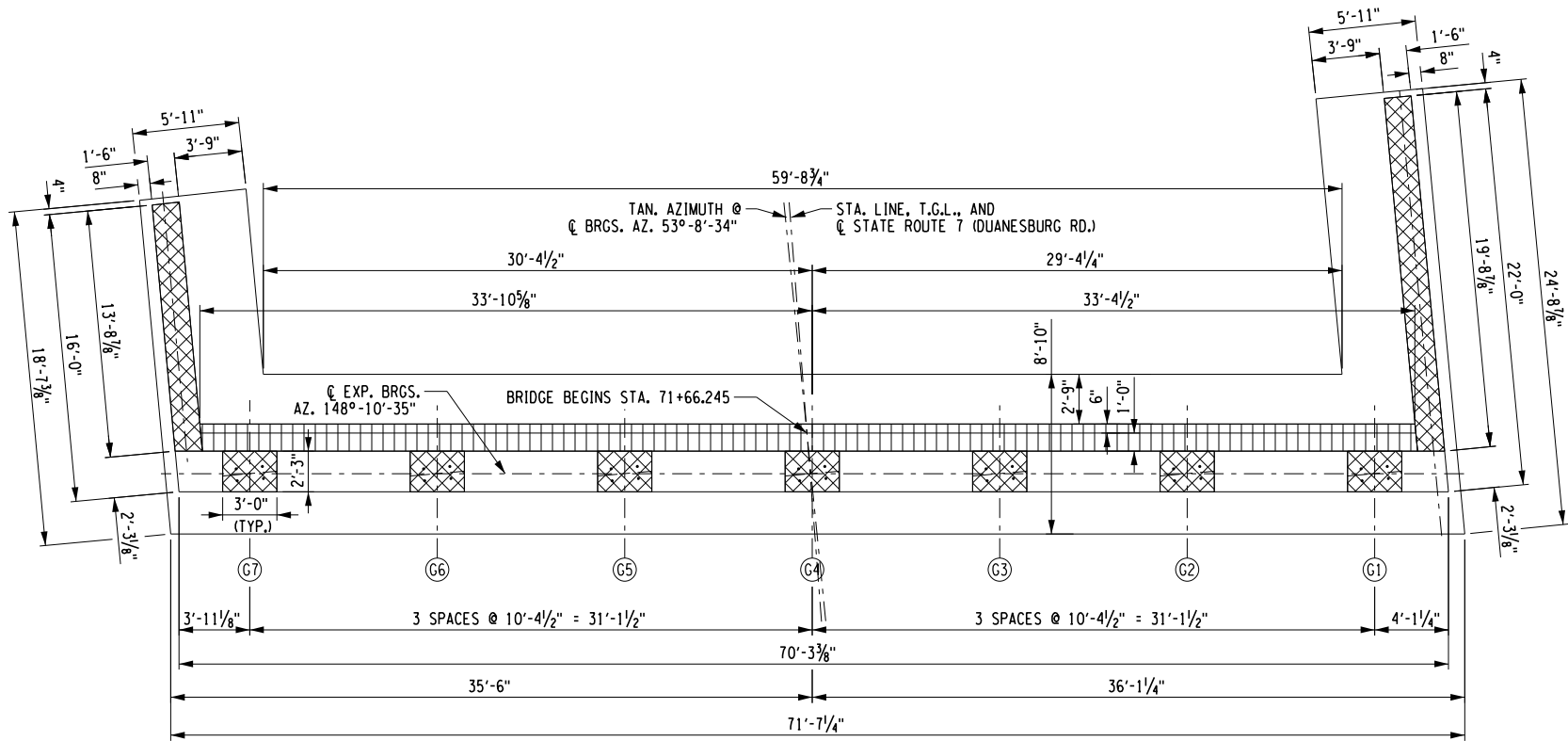
ITEM 580.01, ABUTMENT - BEGIN				
LOCATION	LENGTH	WIDTH	DEPTH	VOLUME
S.W. W/WALL	13.75 FT	1.50 FT	2.13 FT	1.63 CY
N.W. W/WALL	19.75 FT	1.50 FT	2.23 FT	2.45 CY
PED. G1	2.25 FT	3.00 FT	0.75 FT	0.19 CY
PED. G2	2.25 FT	3.00 FT	0.82 FT	0.20 CY
PED. G3	2.25 FT	3.00 FT	0.81 FT	0.20 CY
PED. G4	2.25 FT	3.00 FT	0.78 FT	0.20 CY
PED. G5	2.25 FT	3.00 FT	0.80 FT	0.20 CY
PED. G6	2.25 FT	3.00 FT	0.81 FT	0.20 CY
PED. G7	2.25 FT	3.00 FT	0.84 FT	0.21 CY
SUBTOTAL, THIS SHEET				5.48 CY

DEPTH IS AVERAGE, AND SHALL BE FIELD VERIFIED.

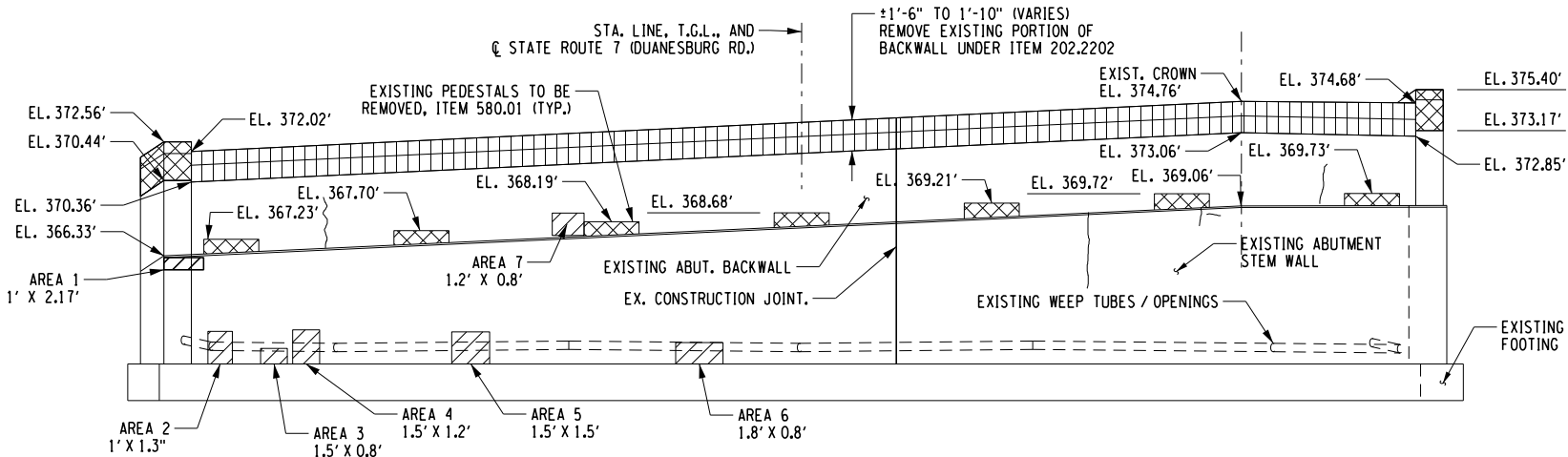
ITEM 202.2202, ABUTMENT - BEGIN				
LOCATION	LENGTH	WIDTH		AREA
BACKWALL	67.25 FT	1.50 FT		100.9 SF
SUBTOTAL, THIS SHEET				100.9 SF



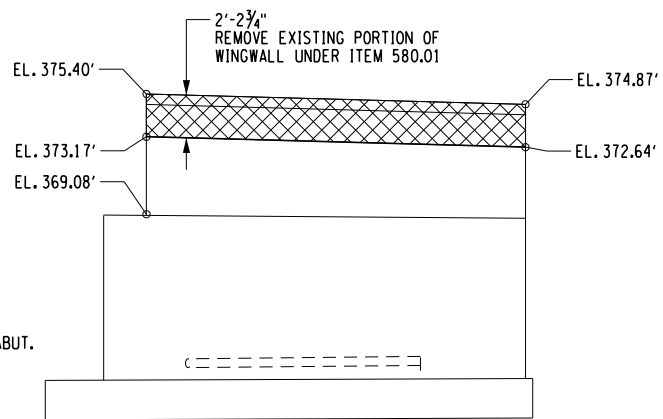
S.W. WINGWALL ELEVATION



PLAN

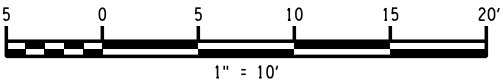


ELEVATION



N.W. WINGWALL ELEVATION

- REMOVAL OF EXISTING BACKWALL AND JOINT HEADER, ITEM 202.2202
- REMOVAL OF EXISTING STRUCTURAL CONCRETE, ITEM 580.01
- CRACK TO BE REPAIRED UNDER ITEM 555.80020001 IN ACCORDANCE WITH REPAIR DETAILS SHOWN IN CR-01
- SPALLED OR HOLLOW AREA TO BE REPAIRED UNDER ITEM 582.0051 IN ACCORDANCE WITH REPAIR DETAILS SHOWN IN CR-01



- NOTES:
- ALL CONCRETE REPAIRS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON CR-01.
 - REFER TO THE NOTES ON DRAWING BGN-01 FOR ADDITIONAL INFORMATION RELATED TO CONCRETE AND SUBSTRUCTURE REPAIRS.
 - REFER TO THE NOTES ON DRAWING BGN-01 FOR INFORMATION RELATED TO THE MAXIMUM REPAIR AREAS TO BE WORKED ON AT ONE TIME.
 - REFER TO THE NOTES ON DRAWING BGN-01 AND DETAILS ON DRAWING CR-01 FOR MAJOR CRACK REPAIRS. IF THE ENGINEER DETERMINES THAT THE CONCRETE SURROUNDING A MAJOR CRACK IS STRUCTURALLY SOUND, THE MAJOR CRACK SHALL BE SEALED BY EPOXY INJECTION PER ITEM 555.80020001.
 - REFER TO THE NOTES ON DRAWING BGN-01 FOR THE LIMITS OF PROTECTIVE SEALER.
 - IF APPLICABLE, REMOVE, STORE, AND RESET EXISTING END DIAPHRAGMS TO ACCESS CONCRETE REPAIRS AND STEEL GIRDER END REPAIRS. ONLY TWO DIAPHRAGMS MAY BE DISCONNECTED IN A SINGLE LINE OF DIAPHRAGMS AT ANY TIME. DISCONNECTION, STORAGE AND REINSTALLATION OF EXISTING DIAPHRAGMS REQUIRED FOR STEEL GIRDER END REPAIRS SHALL BE PAID FOR UNDER ITEM 564.11000010.
 - THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY AND INTEGRITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT AS NECESSARY.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS, INCLUDING BUT NOT LIMITED TO BRIDGE SEAT, TOP OF PEDESTAL, TOP OF BACKWALL AND TOP OF WINGWALL ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
08/06/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING EXISTING BEGIN ABUTMENT PLAN AND ELEVATION	DRAWING NUMBER: ST-06

ELEVATIONS	
LOCATION	TOP OF PEDESTAL
G1	EL. 369.68'
G2	EL. 369.64'
G3	EL. 369.14'
G4	EL. 368.63'
G5	EL. 368.12'
G6	EL. 367.61'
G7	EL. 367.10'

Q BACKWALL
Q EXP. BRGS.
AZ. 148°-10'-35"



LEGEND:

F.F. - DENOTES FRONT FACE

R.F. - DENOTES REAR FACE

D&G - DENOTES DRILL AND GROUT

NOTES:

1. ALL CONCRETE REINFORCEMENT COVER SHALL BE 2", UNLESS OTHERWISE NOTED.
2. FOR TYPICAL PEDESTAL DETAILS, SEE DWG. ST-13.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS, INCLUDING BUT NOT LIMITED TO BRIDGE SEAT, TOP OF PEDESTAL, TOP OF BACKWALL AND TOP OF WINGWALL ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM



TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING PROPOSED BEGIN ABUTMENT PLAN AND ELEVATION	DRAWING NUMBER: ST-07

08/06/2025 12:57:16 PM PSE_A52904_cpb_pir_pln_exist_BEGIN_FACE.dgn

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

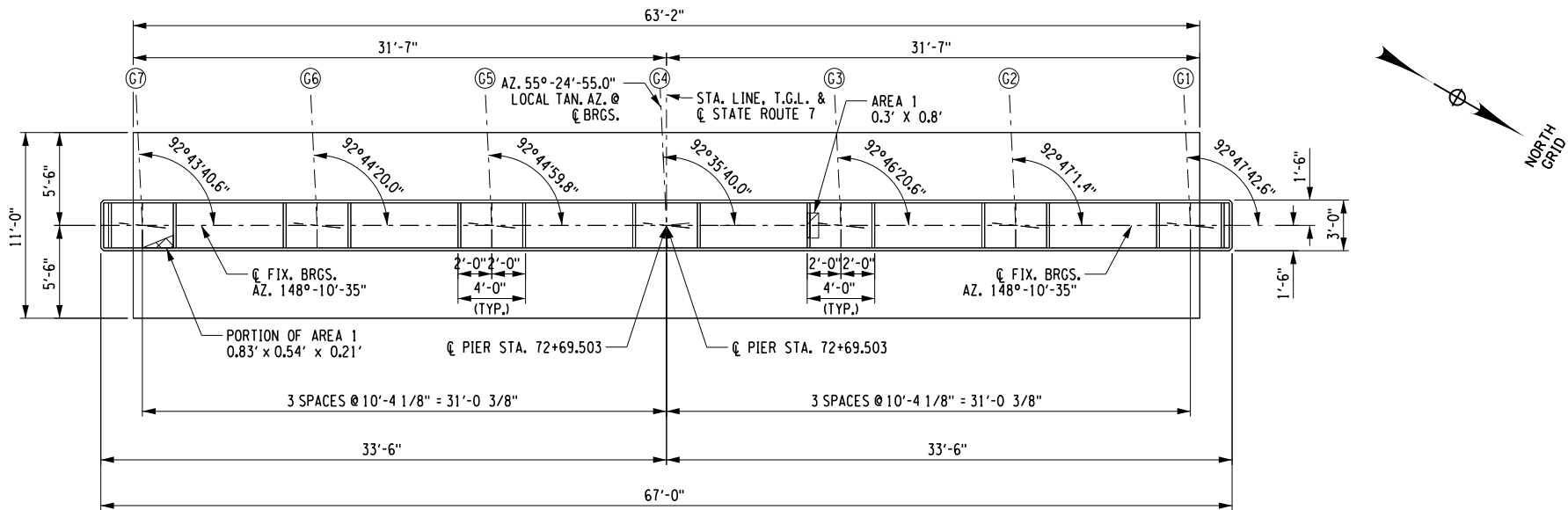
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

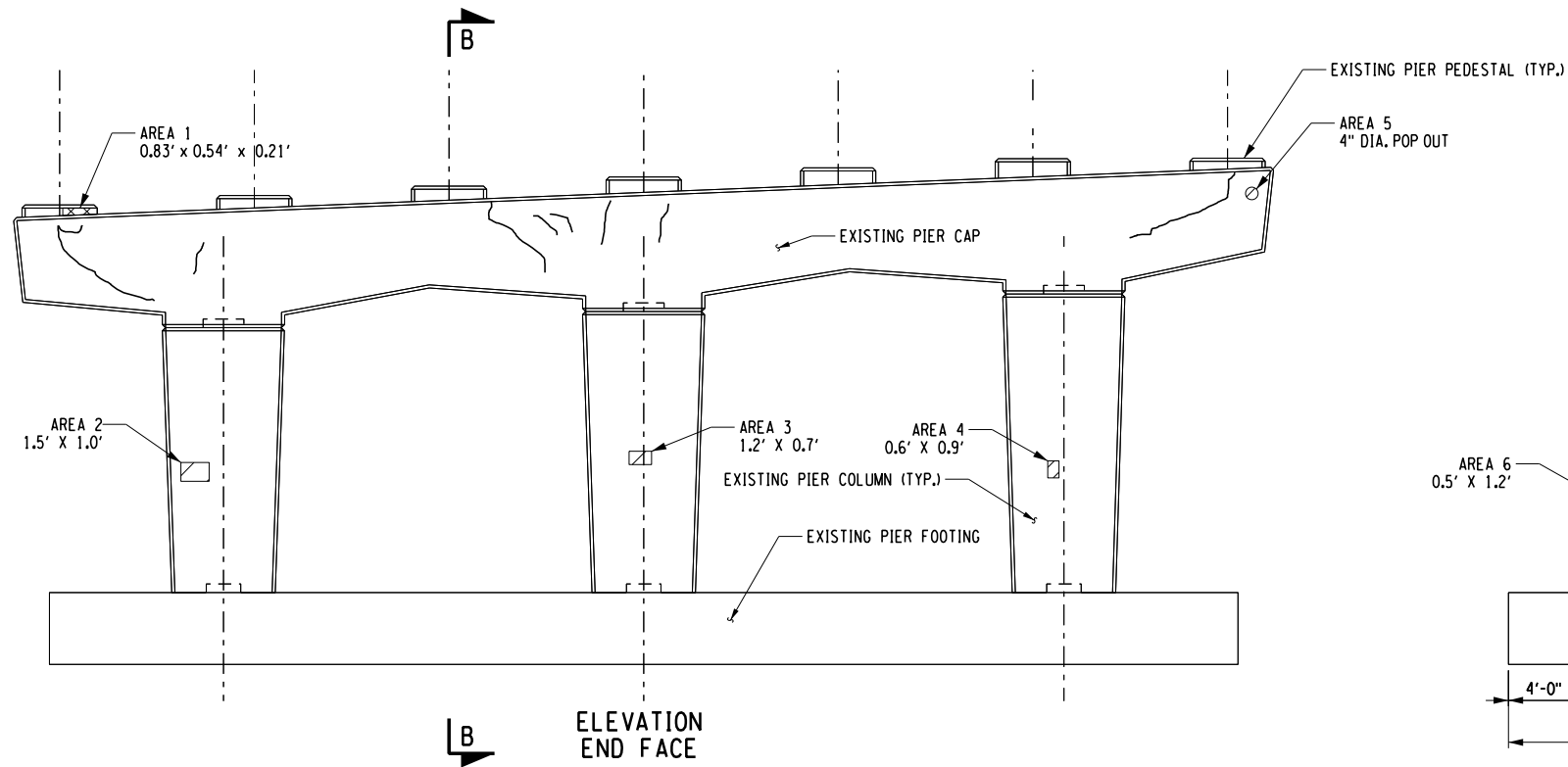
DESIGN SUPERVISOR: D. LIVERMORE

ITEM 582.0051, PIER - END FACE				
LOCATION	LENGTH	WIDTH	DEPTH*	VOLUME
AREA 1	0.83 FT	0.54 FT	0.21 FT	0.003 CY
AREA 2	1.50 FT	1.00 FT	0.33 FT	0.018 CY
AREA 3	1.20 FT	0.70 FT	0.33 FT	0.011 CY
AREA 4	0.60 FT	0.90 FT	0.33 FT	0.007 CY
AREA 5	4" DIA.	N/A	0.33 FT	0.001 CY
AREA 6	0.50 FT	1.20 FT	0.33 FT	0.006 CY
SUBTOTAL, THIS SHEET				0.046 CY

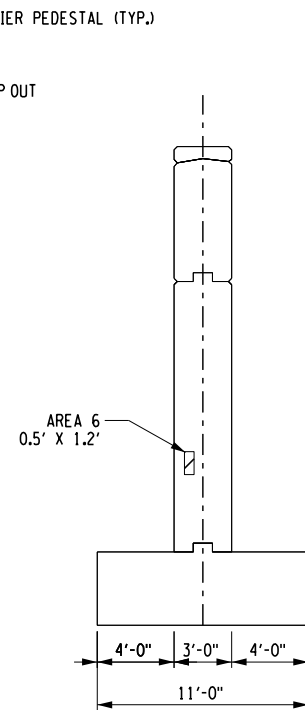
* UNLESS NOTED, DEPTH IS ASSUMED TO BE 0.33FT, AND SHALL BE FIELD VERIFIED.



PLAN



ELEVATION
END FACE



SECTION B-B

- NOTES:
- ALL CONCRETE REPAIRS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON CR-01.
 - REFER TO THE NOTES ON DRAWING BGN-01 FOR ADDITIONAL INFORMATION RELATED TO CONCRETE AND SUBSTRUCTURE REPAIRS.
 - REFER TO THE NOTES ON DRAWING BGN-01 FOR INFORMATION RELATED TO THE MAXIMUM REPAIR AREAS TO BE WORKED ON AT ONE TIME.
 - REFER TO THE NOTES ON DRAWING BGN-01 AND DETAILS ON DRAWING CR-01 FOR MAJOR CRACK REPAIRS. IF THE ENGINEER DETERMINES THAT THE CONCRETE SURROUNDING A MAJOR CRACK IS STRUCTURALLY SOUND, THE MAJOR CRACK SHALL BE SEALED BY EPOXY INJECTION PER ITEM 555.80020001.
 - REFER TO THE NOTES ON DRAWING BGN-01 FOR THE LIMITS OF PROTECTIVE SEALER.
 - IF APPLICABLE, REMOVE, STORE, AND RESET EXISTING END DIAPHRAGM(S) TO ACCESS CONCRETE REPAIRS AND STEEL GIRDER END REPAIRS. ONLY TWO DIAPHRAGMS MAY BE DISCONNECTED IN A SINGLE LINE OF DIAPHRAGMS AT ANY TIME. DISCONNECTION, STORAGE AND REINSTALLATION OF EXISTING DIAPHRAGMS REQUIRED FOR STEEL GIRDER END REPAIRS SHALL BE PAID FOR UNDER ITEM 564.11000010.
 - THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY AND INTEGRITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT AS NECESSARY.

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- CRACK TO BE REPAIRED UNDER ITEM 555.80020001 IN ACCORDANCE WITH REPAIR DETAILS SHOWN ON CR-01
- SPALLED OR HOLLOW AREA TO BE REPAIRED UNDER ITEM 582.0051 IN ACCORDANCE WITH REPAIR DETAILS SHOWN ON CR-01

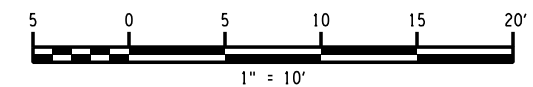
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING PIER PLAN AND ELEVATION - END FACE	DRAWING NUMBER: ST-09



CHECKED BY: D. HOLLNER

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

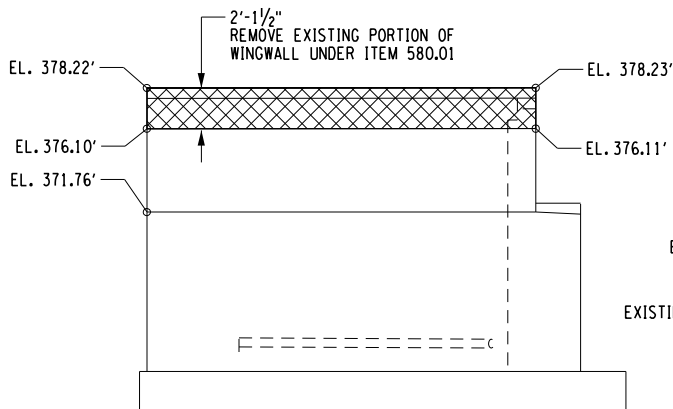
ITEM 582.0051, ABUTMENT - END				
LOCATION	LENGTH	WIDTH	DEPTH*	VOLUME
AREA 1	4.50 FT	1.00 FT	0.33 FT	0.055 CY
AREA 2	4.50 FT	0.33 FT	0.33 FT	0.018 CY
AREA 3	3.00 FT	0.50 FT	0.33 FT	0.018 CY
AREA 4	3.00 FT	0.50 FT	0.33 FT	0.018 CY
SUBTOTAL, THIS SHEET				0.109 CY

* DEPTH IS ASSUMED TO BE 0.33FT, AND SHALL BE FIELD VERIFIED.

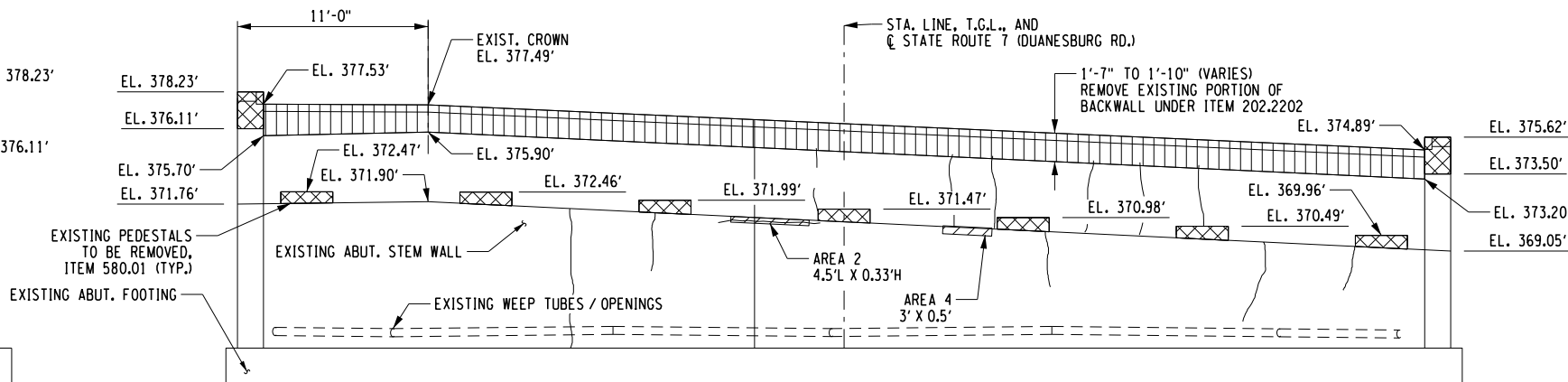
ITEM 580.01, ABUTMENT - END				
LOCATION	LENGTH	WIDTH	DEPTH*	VOLUME
N.E. W/WALL	20.25 FT	1.50 FT	2.13 FT	2.39 CY
S.E. W/WALL	14.25 FT	1.50 FT	2.13 FT	1.68 CY
PED. G1	2.25 FT	3.00 FT	0.66 FT	0.16 CY
PED. G2	2.25 FT	3.00 FT	0.72 FT	0.18 CY
PED. G3	2.25 FT	3.00 FT	0.73 FT	0.18 CY
PED. G4	2.25 FT	3.00 FT	0.70 FT	0.17 CY
PED. G5	2.25 FT	3.00 FT	0.70 FT	0.17 CY
PED. G6	2.25 FT	3.00 FT	0.69 FT	0.17 CY
PED. G7	2.25 FT	3.00 FT	0.65 FT	0.16 CY
SUBTOTAL, THIS SHEET				5.26 CY

DEPTH IS AVERAGE, AND SHALL BE FIELD VERIFIED.

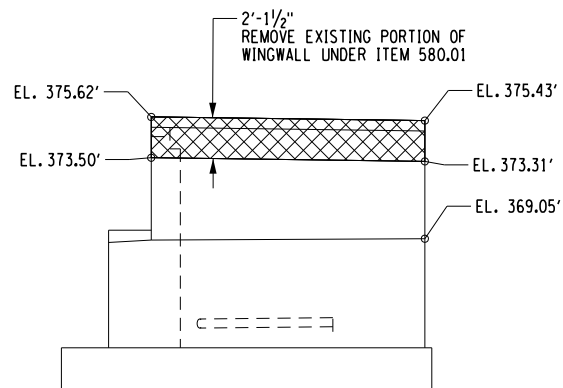
ITEM 202.2202, ABUTMENT - END				
LOCATION	LENGTH	WIDTH		AREA
BACKWALL	67.00 FT	1.50 FT		100.5 SF
SUBTOTAL, THIS SHEET				100.5 SF



N.E. WINGWALL ELEVATION



ELEVATION



S.E. WINGWALL ELEVATION

- REMOVAL OF EXISTING BACKWALL AND JOINT HEADER, ITEM 202.2202
- REMOVAL OF EXISTING STRUCTURAL CONCRETE, ITEM 580.01
- CRACK TO BE REPAIRED UNDER ITEM 555.80020001 IN ACCORDANCE WITH REPAIR DETAILS SHOWN ON CR-01
- SPALLED OR HOLLOW AREA TO BE REPAIRED UNDER ITEM 582.0051 IN ACCORDANCE WITH REPAIR DETAILS SHOWN ON CR-01

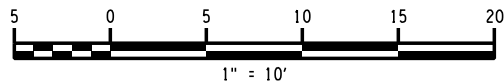
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



Thruway Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING END ABUTMENT PLAN AND ELEVATION	DRAWING NUMBER: ST-10



CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

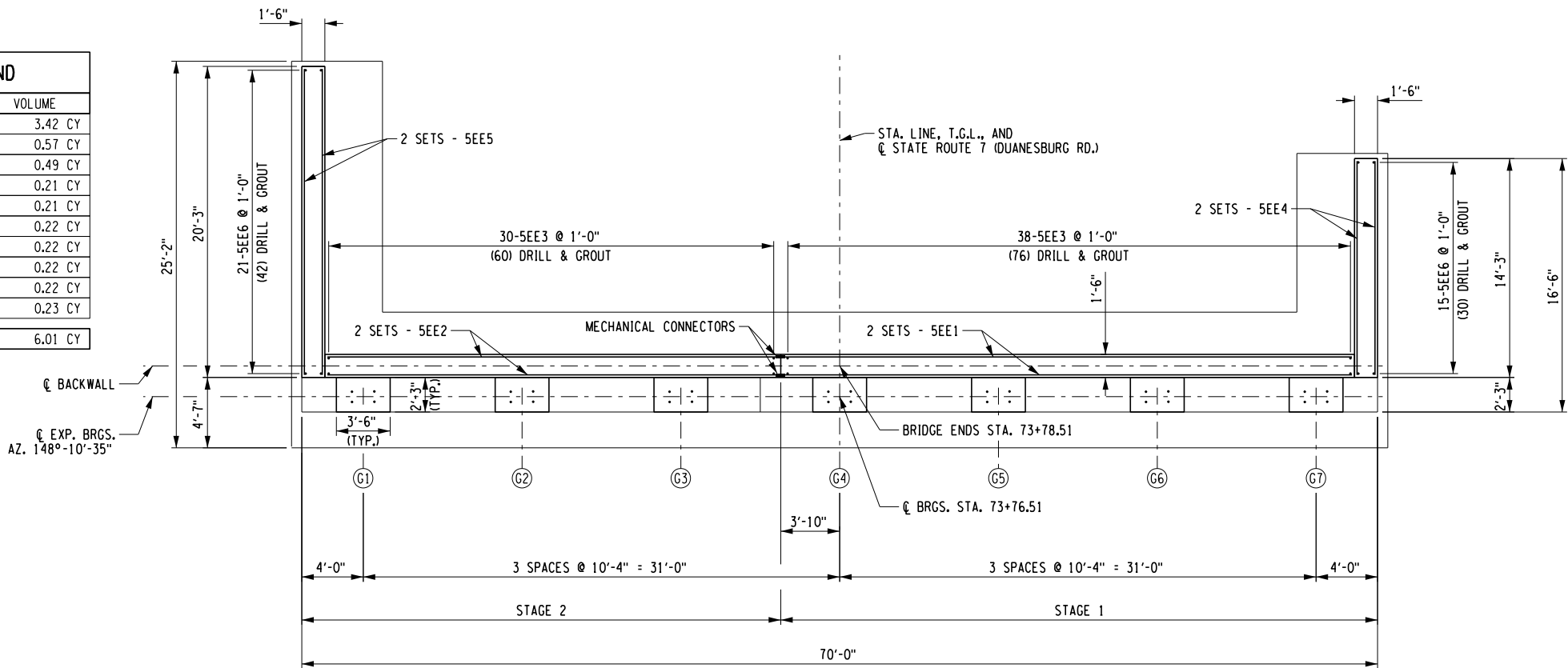
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

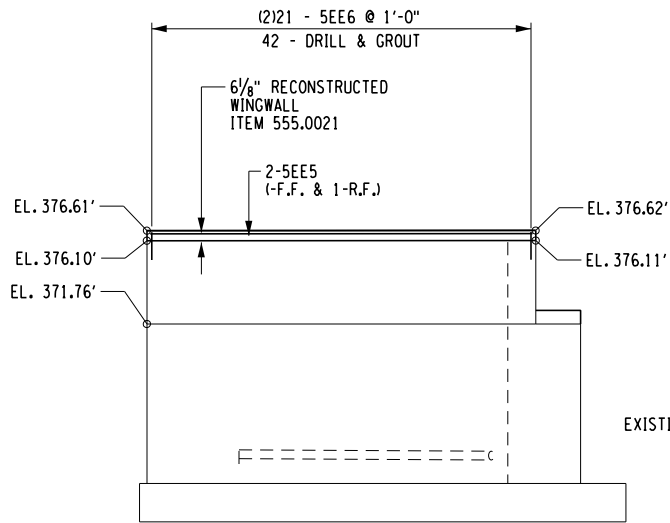
DESIGN SUPERVISOR: D. LIVERMORE

ITEM 555.0021, ABUTMENT - END				
LOCATION	LENGTH	WIDTH	DEPTH	VOLUME
BACKWALL	67.00 FT	1.50 FT	0.92 FT	3.42 CY
N.E. WINGWALL	20.25 FT	1.50 FT	0.51 FT	0.57 CY
S.E. WINGWALL	14.25 FT	1.50 FT	0.62 FT	0.49 CY
PEDESTAL G1	2.25 FT	3.50 FT	0.66 FT	0.21 CY
PEDESTAL G2	2.25 FT	3.50 FT	0.71 FT	0.21 CY
PEDESTAL G3	2.25 FT	3.50 FT	0.72 FT	0.22 CY
PEDESTAL G4	2.25 FT	3.50 FT	0.74 FT	0.22 CY
PEDESTAL G5	2.25 FT	3.50 FT	0.76 FT	0.22 CY
PEDESTAL G6	2.25 FT	3.50 FT	0.77 FT	0.22 CY
PEDESTAL G7	2.25 FT	3.50 FT	0.79 FT	0.23 CY
SUBTOTAL, THIS SHEET				6.01 CY

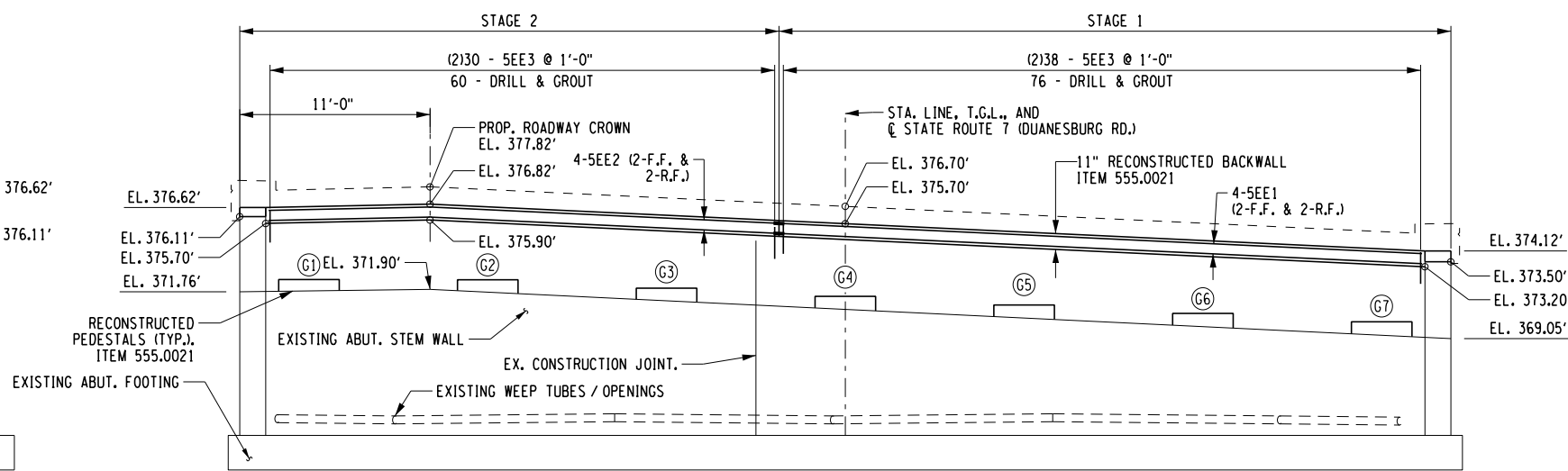
ELEVATIONS	
LOCATION	TOP OF PEDESTAL
G1	EL. 372.47'
G2	EL. 372.46'
G3	EL. 371.97'
G4	EL. 371.49'
G5	EL. 371.00'
G6	EL. 370.51'
G7	EL. 370.03'



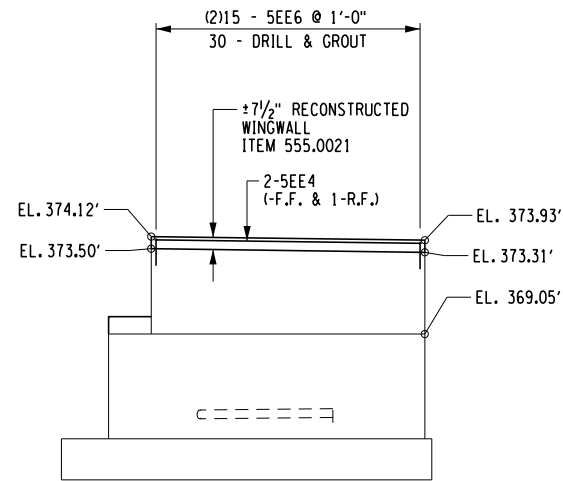
PLAN



N.E. WINGWALL ELEVATION



ELEVATION



S.E. WINGWALL ELEVATION

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

LEGEND:
F.F. - DENOTES FRONT FACE
R.F. - DENOTES REAR FACE
D&G - DENOTES DRILL AND GROUT

- NOTES:
- ALL CONCRETE REINFORCEMENT COVER SHALL BE 2", UNLESS OTHERWISE NOTED.
 - FOR TYPICAL PEDESTAL DETAILS, SEE DWG. ST-13.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS, INCLUDING BUT NOT LIMITED TO BRIDGE SEAT, TOP OF PEDESTAL, TOP OF BACKWALL AND TOP OF WINGWALL ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.

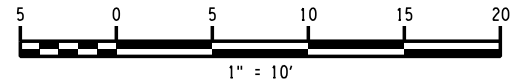
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING PROPOSED END ABUTMENT PLAN AND ELEVATION	DRAWING NUMBER: ST-11



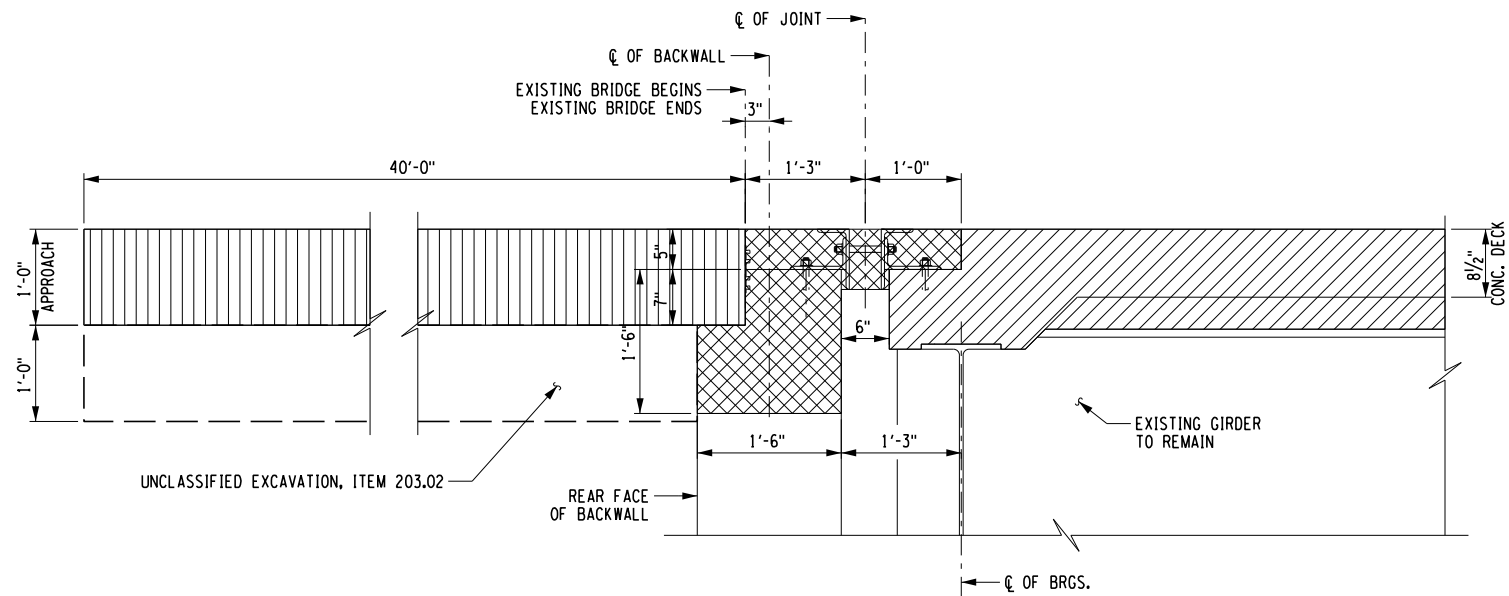
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

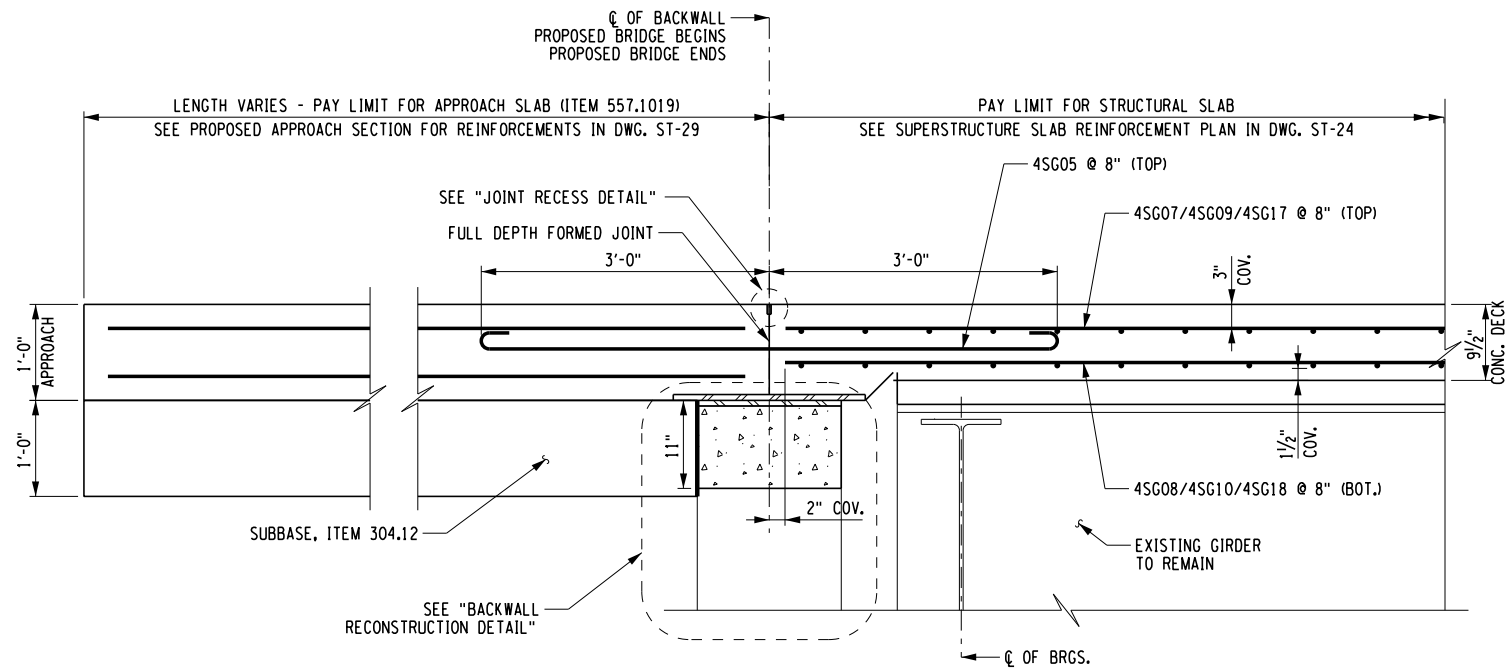
CHECKED BY: P. MULKERN

DESIGNED BY: L. TAN

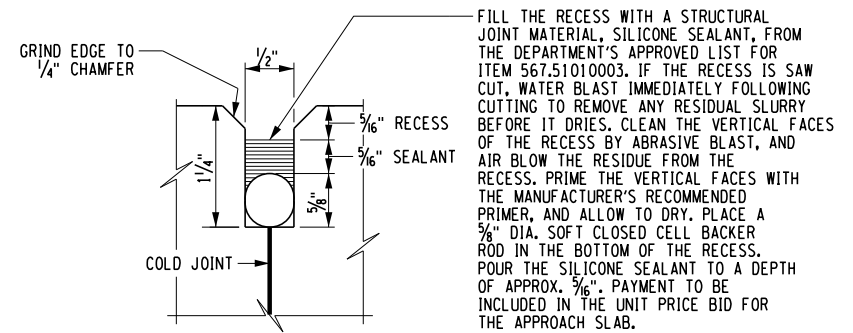
DESIGN SUPERVISOR: D. LIVERMORE



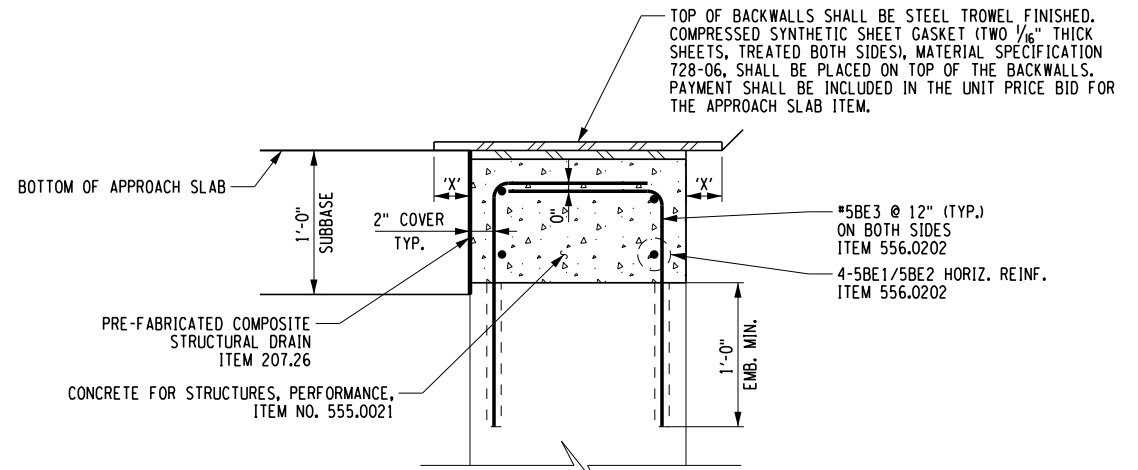
EXISTING REMOVAL SECTION
BEGIN ABUTMENT SHOWN, END ABUTMENT SIMILAR
N.T.S.



ABUTMENT RECONSTRUCTION SECTION
BEGIN ABUTMENT SHOWN, END ABUTMENT SIMILAR
N.T.S.



JOINT RECESS DETAIL
N.T.S.



BACKWALL RECONSTRUCTION DETAIL
BEGIN ABUTMENT SHOWN, END ABUTMENT SIMILAR
N.T.S.

LOCATION	'X' VALUE
BEGIN ABUTMENT	1"
END ABUTMENT	1"
X = MAXIMUM TEMPERATURE MOVEMENT OF THE SUPERSTRUCTURE ROUNDED TO THE NEXT 1" (MIN.) FOR EXPANSION, 1" FOR FIXED.	

ITEM 586.0201 (EA) DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	
BEGIN ABUTMENT	138
END ABUTMENT	136

NOTES

EXISTING VERTICAL REINFORCEMENT IN THE BACKWALL AS WELL AS THE WINGWALL SHALL BE CUT AND GROUND FLUSH AT THE REMOVAL ELEVATION.

ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE SPECIFIED.

FOR APPROACH SLAB PLAN, SEE DWG. ST-26 THROUGH ST-28.

FOR APPROACH SLAB DETAIL, SEE DWG. ST-29 AND ST-30.

(E) DENOTES EPOXY

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- ITEM 202.2202 REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS (WITH SHEAR CONNECTORS) - TYPE B
- LIMITS OF EXISTING JOINT AND JOINT HEADER REMOVAL, TO BE PAID FOR UNDER ITEM 202.2202
- ITEM 580.04 REMOVAL OF CONCRETE APPROACH SLAB

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

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LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING SUBSTRUCTURE REPAIR DETAILS	DRAWING NUMBER: ST-12

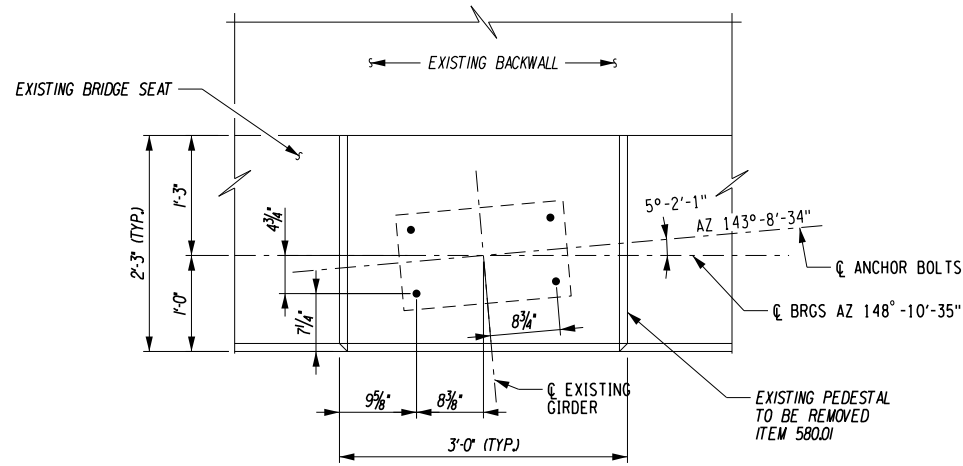
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

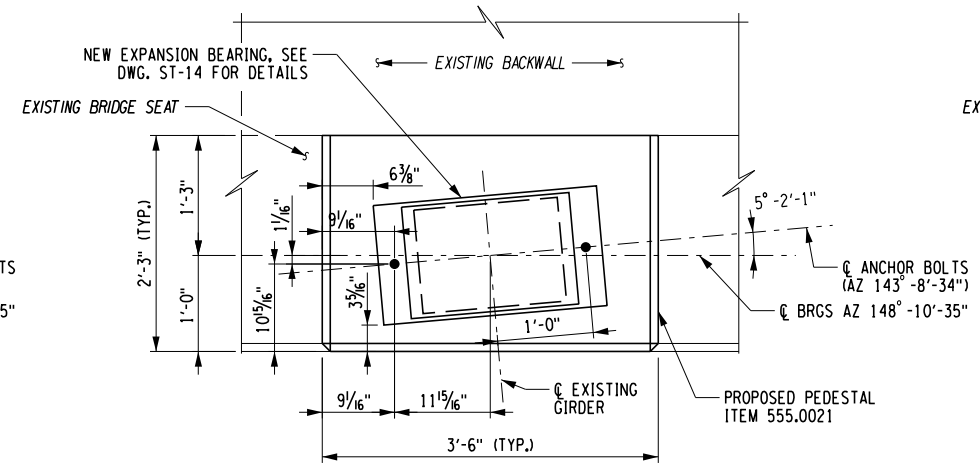
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

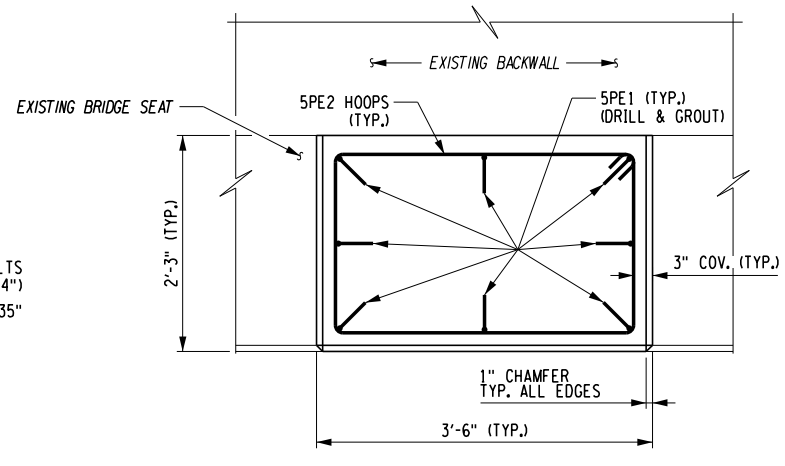
DESIGN SUPERVISOR: D. LIVERMORE



BEGIN ABUTMENT EXISTING ANCHOR BOLT LAYOUT (TYP)
NOT TO SCALE

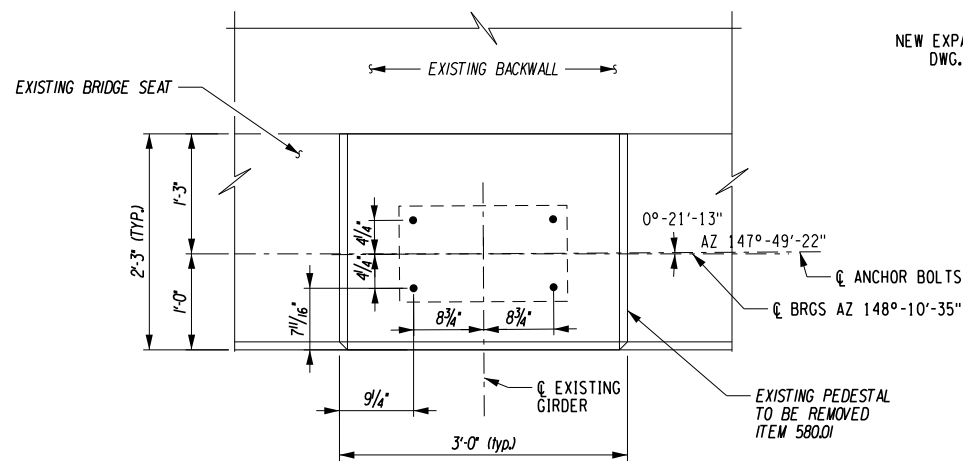


BEGIN ABUTMENT PROPOSED ANCHOR BOLT LAYOUT (TYP)
NOT TO SCALE

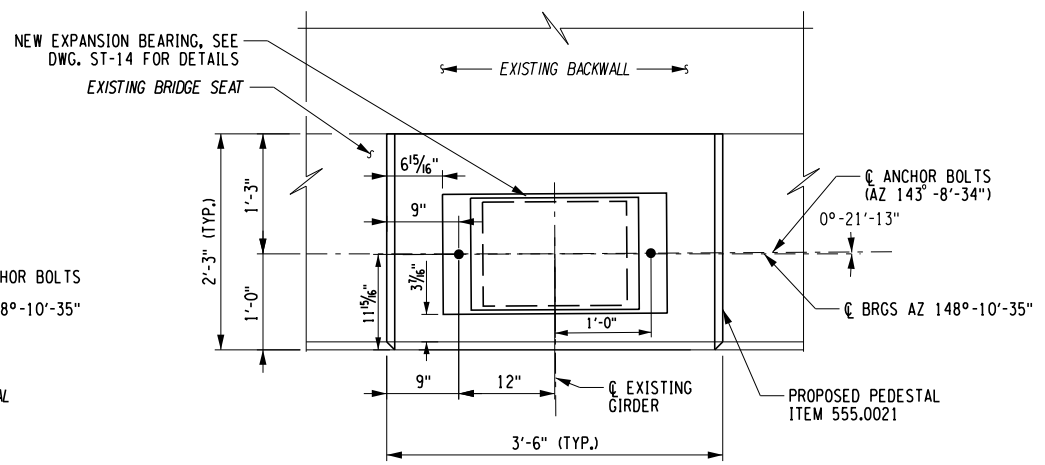


TYPICAL PEDESTAL REINFORCEMENT PLAN
NOT TO SCALE

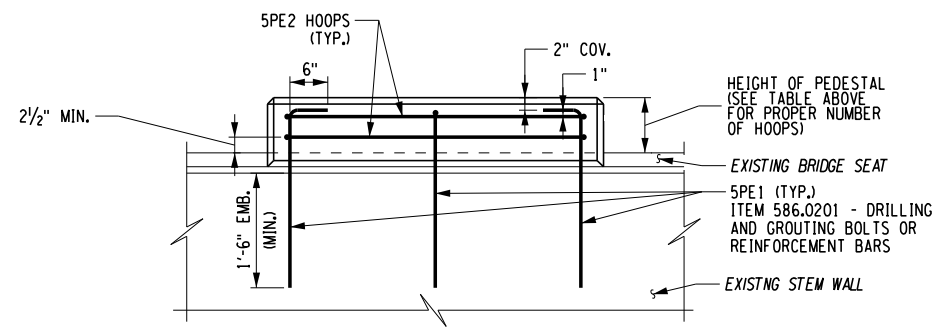
PEDESTAL HEIGHT	NUMBER OF HOOPS
6" TO 8"	1
8" TO 11"	2
11" TO 14"	3
14" TO 17"	4
17" TO 20"	5



END ABUTMENT EXISTING ANCHOR BOLT LAYOUT (TYP)
NOT TO SCALE



END ABUTMENT PROPOSED ANCHOR BOLT LAYOUT (TYP)
NOT TO SCALE



TYPICAL PEDESTAL REINFORCEMENT ELEVATION

BEGIN ABUTMENT PEDESTAL

END ABUTMENT PEDESTAL

STRUCTURAL LIFTING TABLE BEGIN ABUTMENT			
BEARING POINT	DL+SDL (kips)	LL+I (kips)	ITEM NO.
PEDESTAL G1	70.00	100.00	585.01
PEDESTAL G2	68.00	115.00	585.01
PEDESTAL G3	68.00	115.00	585.01
PEDESTAL G4	68.00	115.00	585.01
PEDESTAL G5	68.00	115.00	585.01
PEDESTAL G6	68.00	115.00	585.01
PEDESTAL G7	70.00	100.00	585.01

* LIVE LOAD: AASHTO HL-93

STRUCTURAL LIFTING TABLE END ABUTMENT			
BEARING POINT	DL+SDL (kips)	LL+I (kips)	ITEM NO.
PEDESTAL G1	80.00	100.00	585.01
PEDESTAL G2	75.00	115.00	585.01
PEDESTAL G3	75.00	115.00	585.01
PEDESTAL G4	75.00	115.00	585.01
PEDESTAL G5	75.00	115.00	585.01
PEDESTAL G6	75.00	115.00	585.01
PEDESTAL G7	80.00	100.00	585.01

* LIVE LOAD: AASHTO HL-93

ITEM 586.0201 (EA) DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS		
LOCATION	TOTAL PER PEDESTAL	TOTAL
BEGIN ABUTMENT	8	56
END ABUTMENT	8	56

ALTERED ON:

08/06/2025

SIGNATURE:
STAMP:

NOTE:
SEE PROPOSED ABUTMENT PLANS FOR PEDESTAL ELEVATIONS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING PROPOSED PEDESTAL RECONSTRUCTION DETAILS	DRAWING NUMBER: ST-13

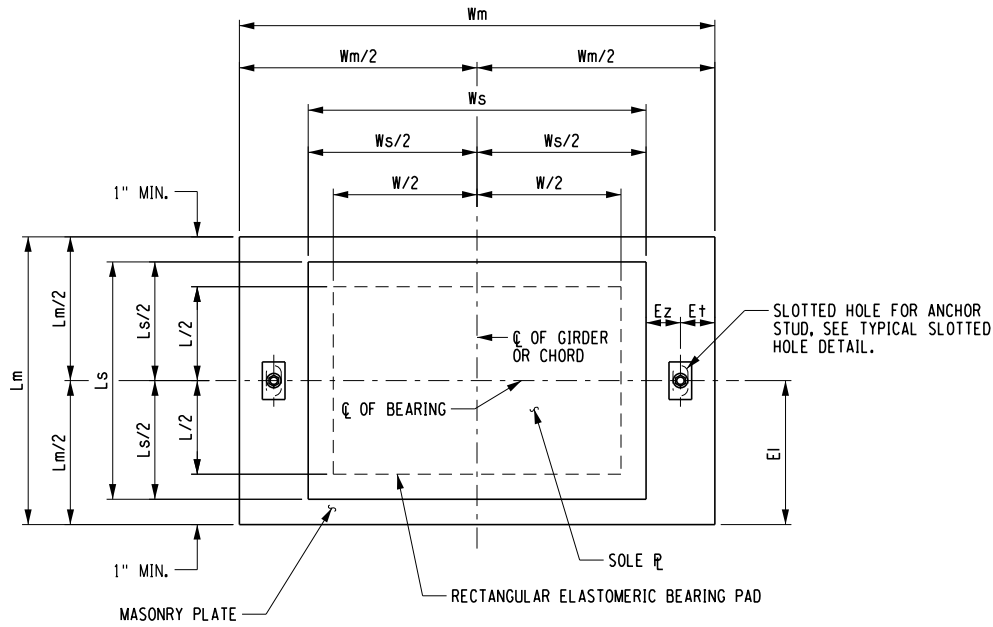
CHECKED BY: P. MULKERN

DRAFTED BY: P. MULKERN

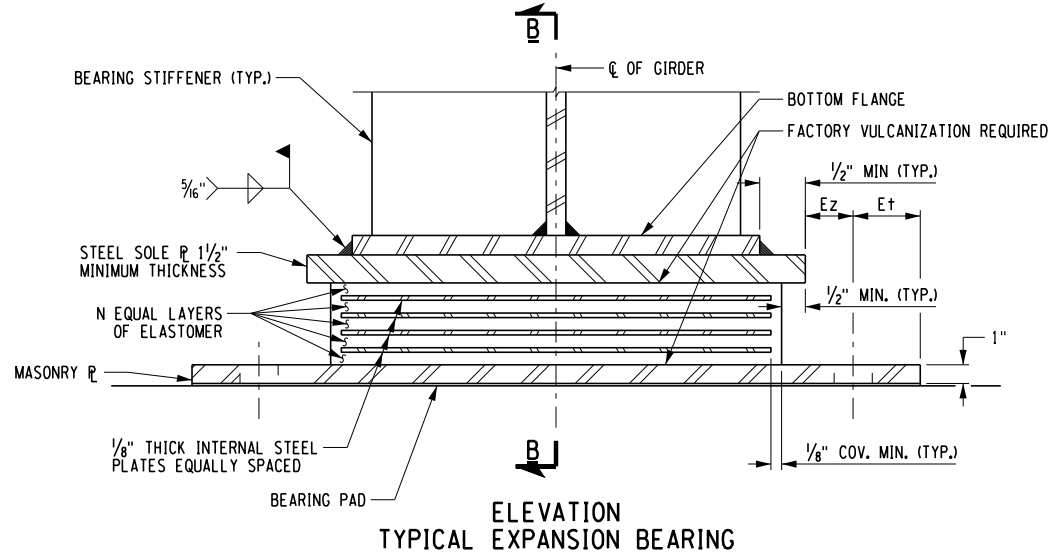
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

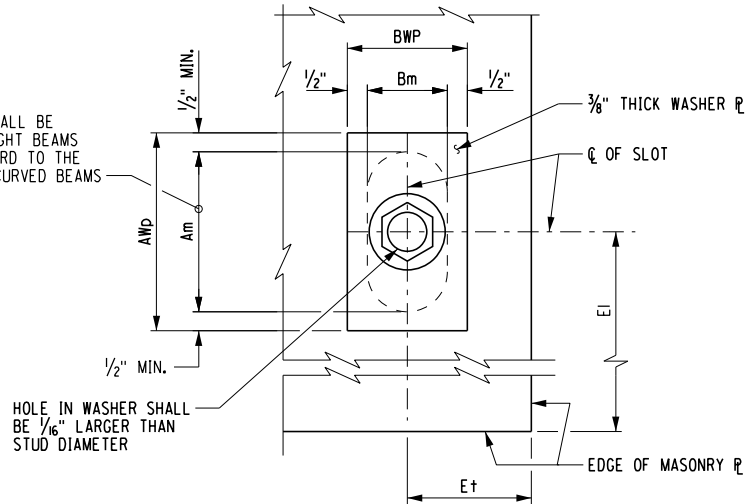


PLAN
TYPICAL RECTANGULAR EXPANSION BEARING

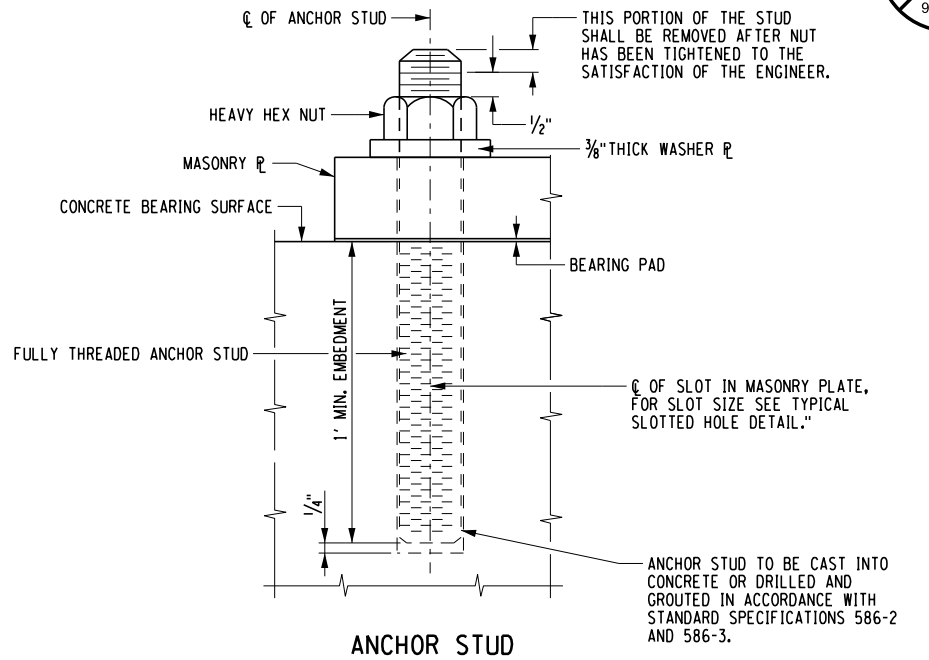


ELEVATION
TYPICAL EXPANSION BEARING

LENGTH OF SLOT SHALL BE PARALLEL TO STRAIGHT BEAMS AND ALONG THE CHORD TO THE FIXED BEARING ON CURVED BEAMS

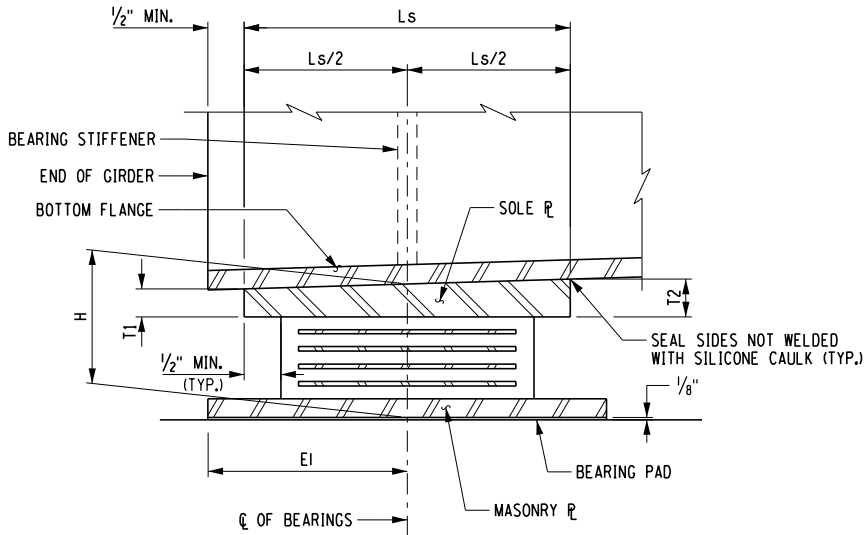


TYPICAL SLOTTED HOLE DETAIL
MASONRY PLATE



ANCHOR STUD

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



SECTION B-B

NOTES:

THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.

ALL ELASTOMER SHALL BE 50 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 SOLE PLATE.

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					hr t	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	D				Wm	Lm	Tm	E+	E1	Ez	Am	Bm				AWp	BWp	Ws	Ls	T1	T2	
BEG. ABUTMENT	565.2034	7	74	110	184	7.55	0.50	4	13	18	N/A	2.00	226	234	28.0	15.0	1.0	2.0	7.5	1.5	2.5	1.375	1.00	2	5/16	3.50	2.375	21	14	1.50	1.836	5.043
END ABUTMENT	565.2034	7	83	112	195	7.55	0.50	4	13	18	N/A	2.00	226	234	28.0	15.0	1.0	2.0	7.5	1.5	2.5	1.375	1.00	2	5/16	3.50	2.375	21	14	1.50	1.50	4.875

TABLE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

T2 IS UPSTATION OF T1.

LOADS SHOWN IN THIS TABLE ARE UNFACTORED.

ALTERED ON:	AFFIXED ON:
SIGNATURE:	08/06/2025
STAMP:	SIGNATURE:
	STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING EXPANSION ELASTOMERIC BEARING DETAILS	DRAWING NUMBER: ST-14

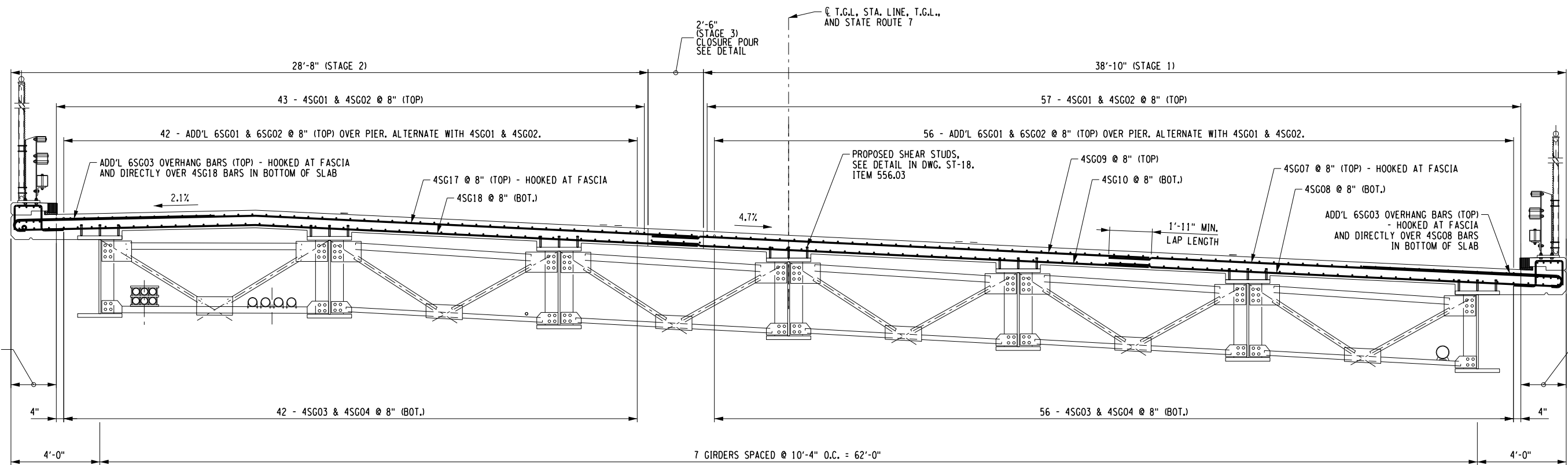
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

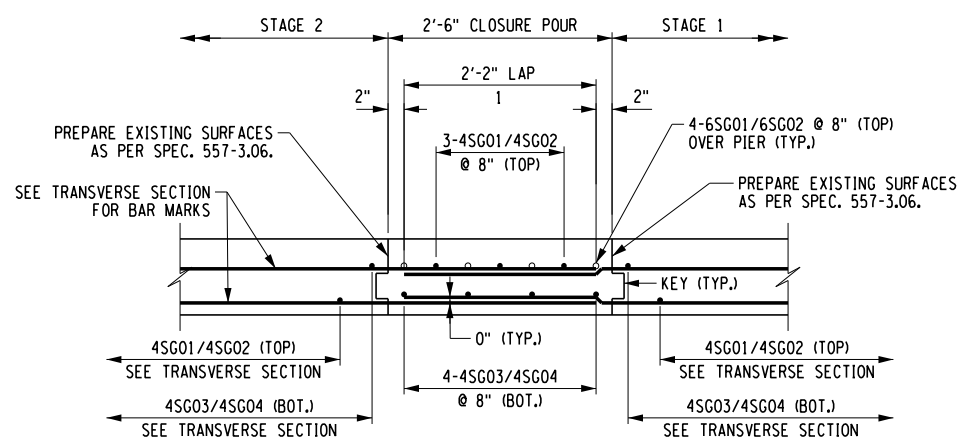
DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

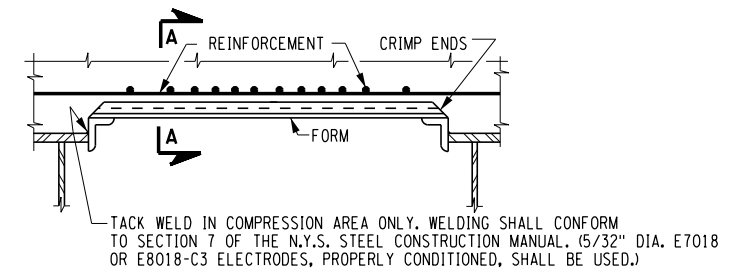


PROPOSED TRANSVERSE SECTION

- NOTES:
1. HAUNCH REINFORCEMENT NOT SHOWN FOR CLARITY. SEE DWG. ST-23 FOR REINFORCED GIRDER HAUNCH DETAIL.
 2. EXISTING CROSS FRAMES IN BAY 3 SHALL BE DISCONNECTED DURING STAGING OPERATIONS TO ALLOW FOR DIFFERENTIAL DEFLECTIONS BETWEEN STAGES, AND RECONNECTED PRIOR TO INSTALLATION OF THE CLOSURE POUR, TO BE PAID UNDER ITEM 564.11000010

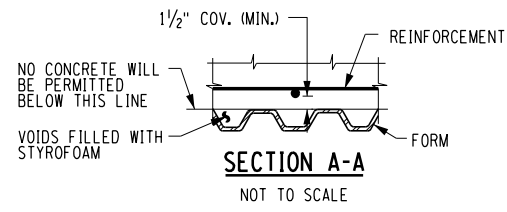


CLOSURE POUR DETAIL



PERMANENT CORRUGATED METAL FORM DETAIL
NOT TO SCALE

- FORM UNIT NOTES:
1. THE COST OF THE FORMING SYSTEM SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SUPERSTRUCTURE SLAB ITEM 557.1119.
 2. THE SUPPORT ANGLES AND/OR ZEES SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.



ALTERED ON:	AFFIXED ON: 08/06/2025
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING DECK REINFORCEMENT SECTION	DRAWING NUMBER: ST-15

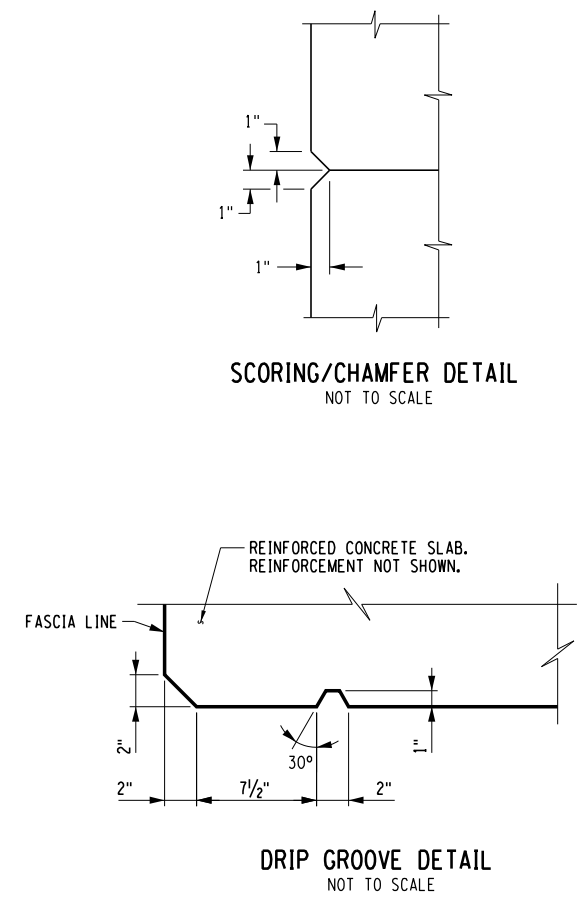
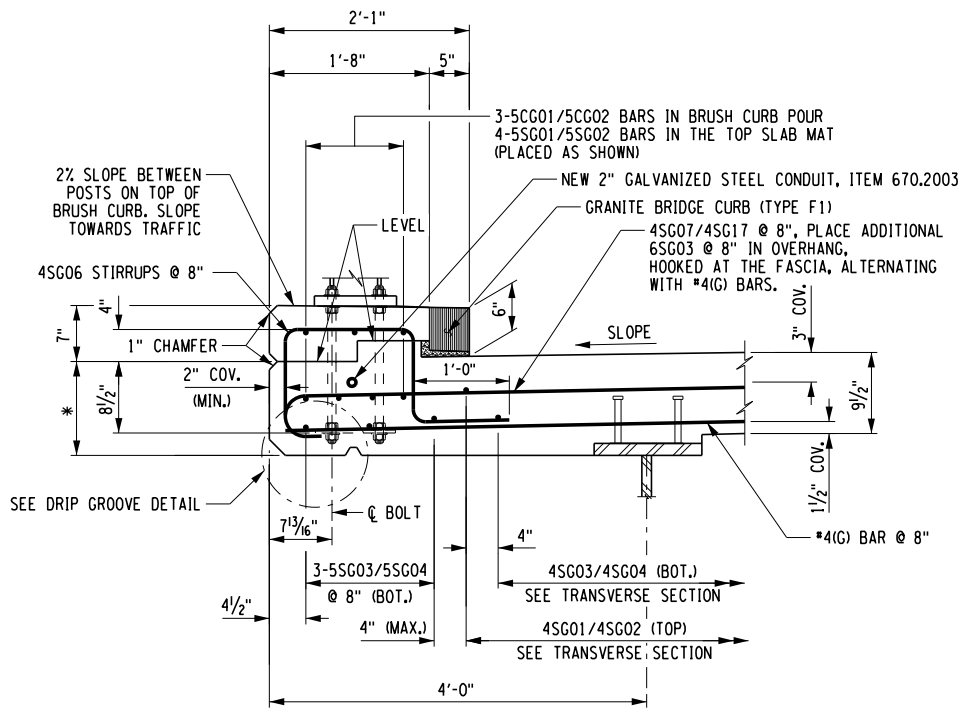
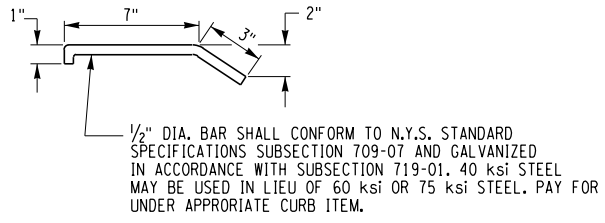
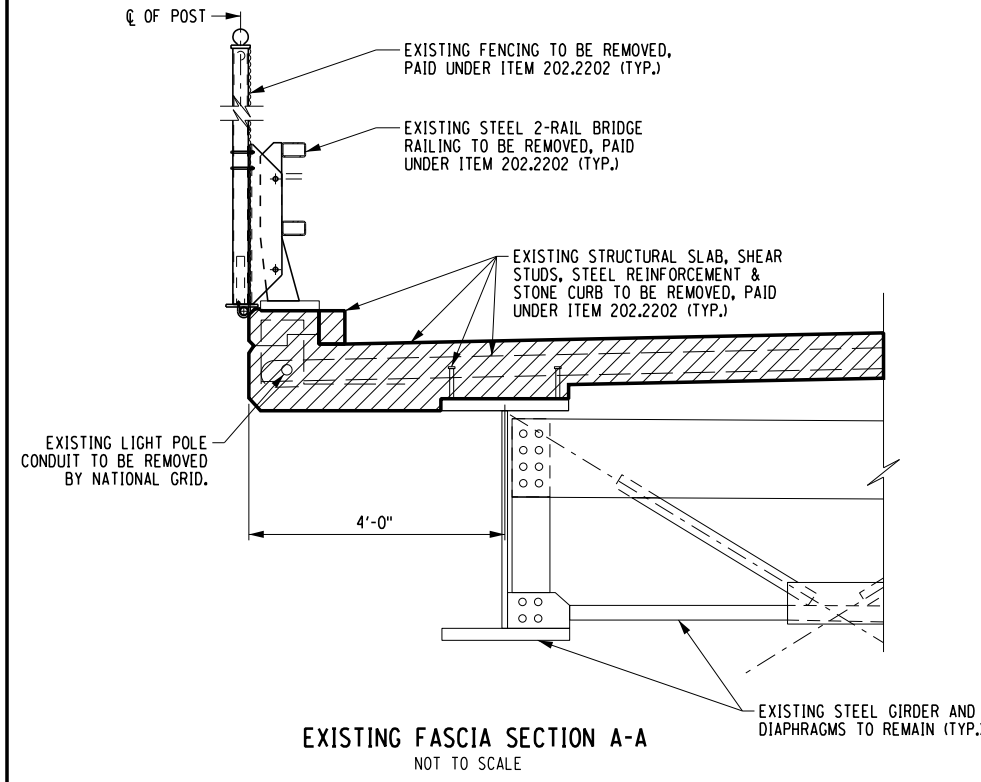
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

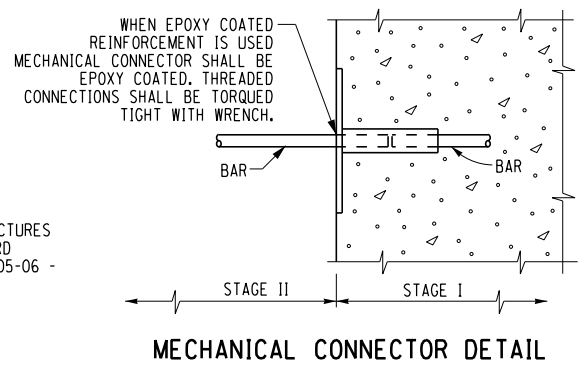
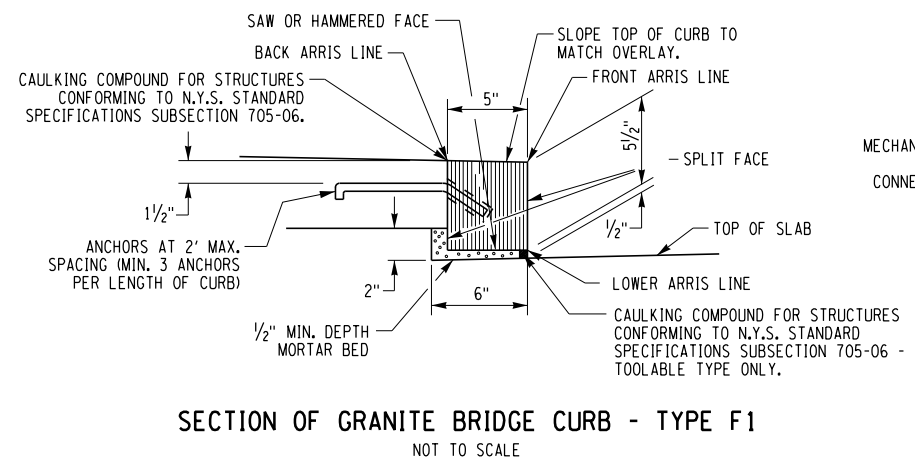
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

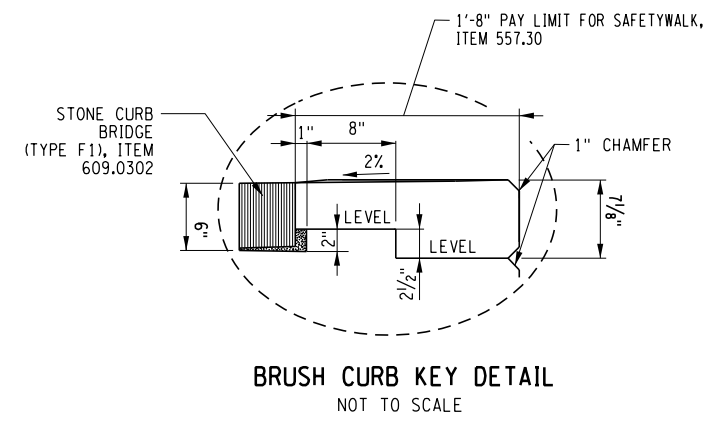
DESIGN SUPERVISOR: D. LIVERMORE



NOTE:
DRIP GROOVE STOPS 3'-0" FROM FACES OF ABUTMENTS OR PIERS WITH A 90° TURN TOWARD FASCIA THAT INTERSECTS THE CHAMFER.



1. MECHANICAL CONNECTORS SHALL CONFORM TO N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 709-10. COST OF MECHANICAL CONNECTORS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE REBAR ITEM OR SLAB ITEM.



NOTE:
CURB ANCHORS SHALL BE INSERTED INTO HOLES DRILLED IN THE REAR FACE OF THE STONE CURB. THE HOLES SHALL BE THOROUGHLY CLEANED AND FILLED WITH ANCHORING MATERIALS - CHEMICALLY CURING, CONFORMING TO N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 701-07, IMMEDIATELY BEFORE PLACING THE CURB ANCHOR. THE CURB ANCHORS SHALL BE SECURELY SUPPORTED IN POSITION UNTIL THE ANCHOR MATERIAL HAS HARDENED. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CURB ITEM.

NOTE:
ALL MORTAR SHALL CONFORM TO N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 705-21.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING FASCIA SECTION DETAILS	DRAWING NUMBER: ST-16

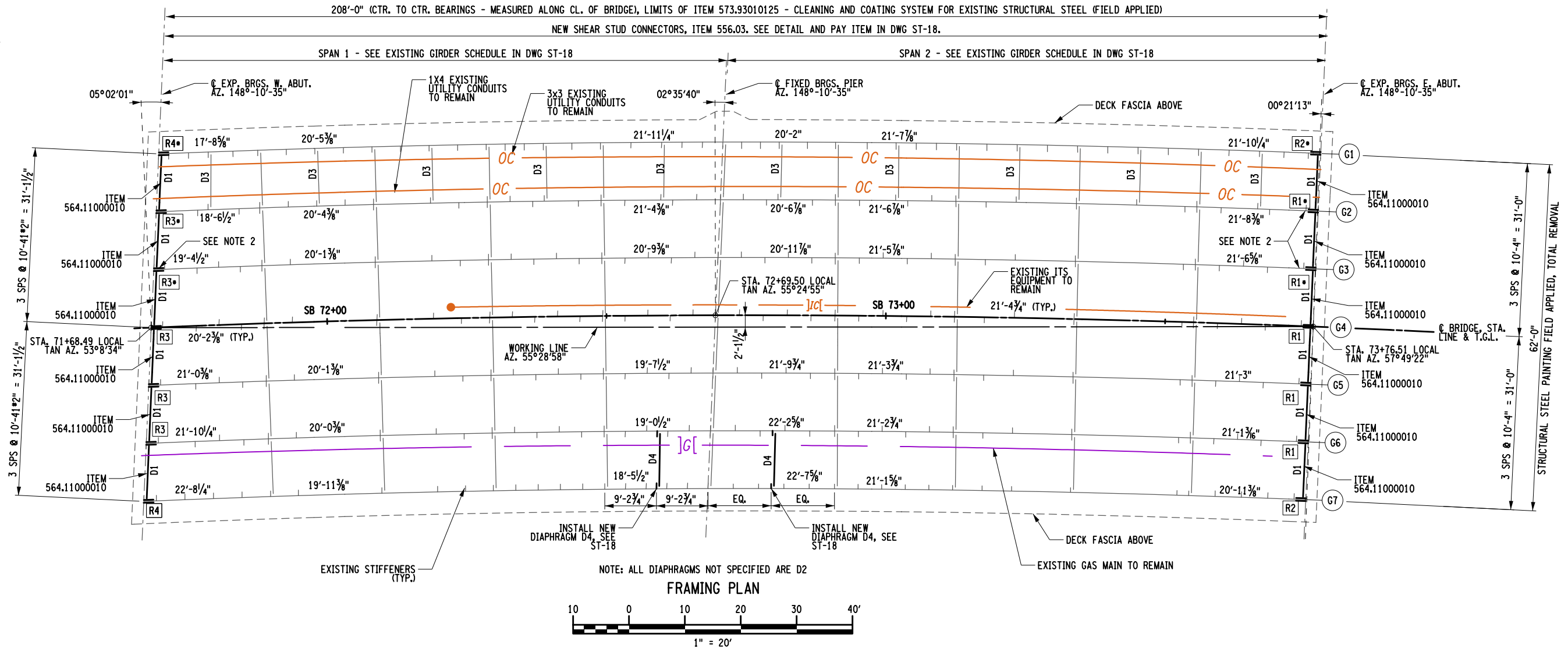
CHECKED BY: P. MULKERN

DRAFTED BY: D. HOLLNER / L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



ADDITIONAL NOTES:

- ALL STRUCTURAL STEEL REPAIRS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STEEL REPAIR DETAIL SHEET ON DWG. ST-20 AND ST-21.
- WEB REPAIR PLATES FOR GIRDERS G1, G2, AND G3, MARKED AS R1*, R2*, R3* AND R4* AT THE BEGIN AND END ABUTMENTS SHALL BE INSTALLED PRIOR TO IMPLEMENTING STAGE 1 OF THE WZTC PLANS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE FABRICATION OF THE STEEL.
- REFER TO THE NOTES ON DWG. BGN-02, ST-20 AND ST-21 FOR ADDITIONAL INFORMATION RELATED TO STRUCTURAL STEEL REPAIRS.
- ALL EXISTING STEEL MEMBERS ON THIS STRUCTURE SHALL BE CLEANED, PRIMED AND PAINTED AS DESCRIBED UNDER ITEM 573.93010125 - CLEANING AND COATING SYSTEM FOR EXISTING STRUCTURAL STEEL (FIELD APPLIED).
- REFER TO THE PAINTING NOTES ON DWG. BGN-01 FOR ADDITIONAL INFORMATION RELATED TO PAINTING.
- ONLY TWO DIAPHRAGMS MAY BE DISCONNECTED IN A SINGLE LINE OF DIAPHRAGMS AT ANY TIME.
- EXISTING CROSS FRAMES IN BAY 3 SHALL BE DISCONNECTED DURING STAGING OPERATIONS TO ALLOW FOR DIFFERENTIAL DEFLECTIONS BETWEEN STAGES, AND RECONNECTED PRIOR TO INSTALLATION OF THE CLOSURE POUR. TO BE PAID UNDER ITEM 564.11000010

LEGEND

- Dx EXISTING DIAPHRAGM (SEE TRANSVERSE SECTION FOR DETAILS)
- R* STEEL REPAIR DETAIL
- R** STEEL REPAIR DETAIL - TO BE PERFORMED PRIOR TO IMPLEMENTING STAGE 1 OF WZTC
- INDICATES APPROXIMATE LOCATION OF STEEL REPAIRS, ITEM 564.0501
- REMOVE, STORE, AND RESET EXISTING END DIAPHRAGMS TO FACILITATE STEEL GIRDER END REPAIRS, ITEM 564.11000010. SEE NOTE 7.

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	DATE	DESCRIPTION	BY	SYMBOL			
						TITLE OF DRAWING FRAMING PLAN	DRAWING NUMBER: ST-17

PW/

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

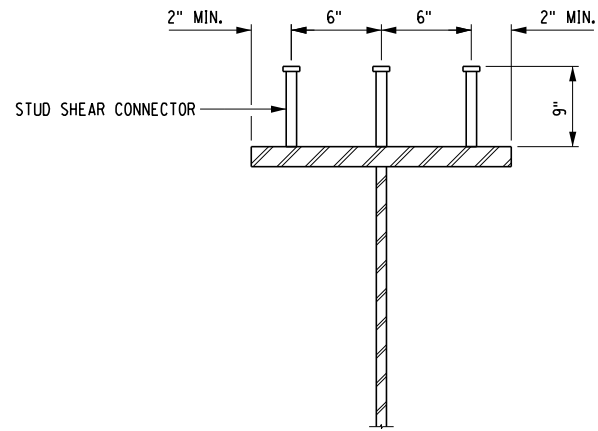
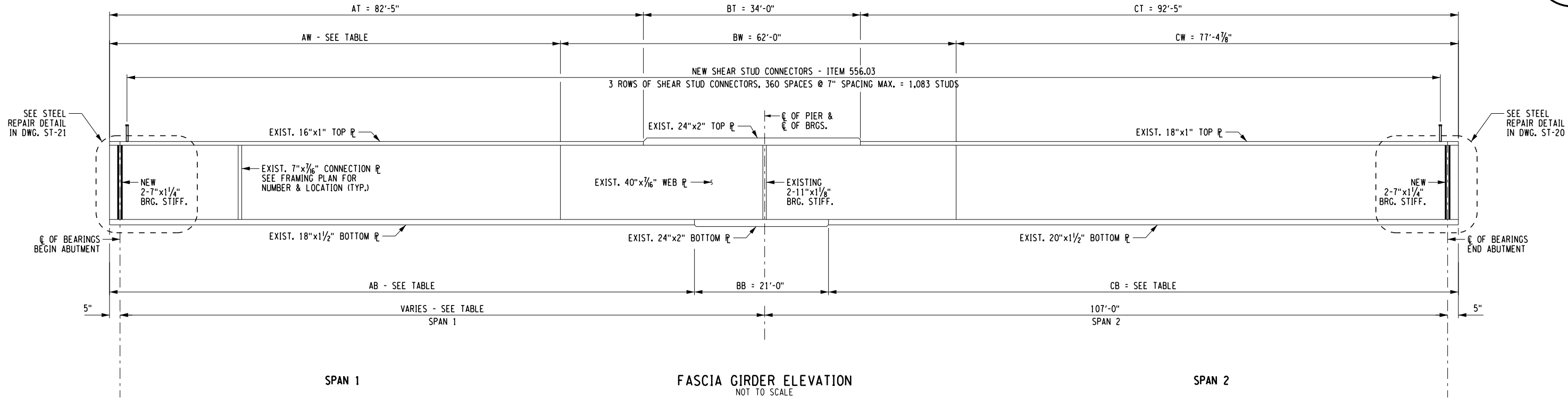
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DESIGNED BY: P. MULKERN

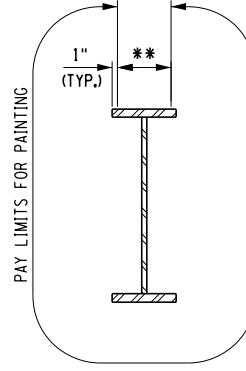
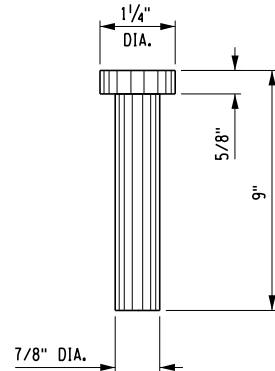
DESIGN SUPERVISOR: D. LIVERMORE

70

99



STUD SHEAR
CONNECTOR DETAIL
NOT TO SCALE



** - COAT THIS AREA WITH AN ORGANIC ZINC PRIMER CONFORMING TO
NYS DOT MATERIAL SPECIFICATION 708-01 OR 708-02. PRIME COAT
SHALL BE APPLIED AT A THICKNESS BETWEEN 0.5 AND 1.5 MILS.
COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE
PAINTING ITEM 573.93010125.

PAINTING LIMITS
NOT TO SCALE

EXISTING GIRDER SCHEDULE

MARK	RADIUS OF CURVATURE	SPAN LENGTH (FT)			TOP FLANGE LENGTH (FT)			BOTTOM FLANGE LENGTH (FT)			WEB PL LENGTH (FT)		
		SPAN 1	SPAN 2	TOTAL	AT	BT	CT	AB	BB	CB	AW	BW	CW
G1	2,577.479	100.99	107.00	207.99	82.41	34.00	92.42	90.41	21.00	97.42	69.41	62.00	77.41
G2	2,567.146	101.00	107.00	208.00	82.42			90.42			69.42		
G3	2,556.812												
G4	2,546.479												
G5	2,536.146												
G6	2,525.812												
G7	2,515.479	101.01	107.00	208.01	82.43			90.43		97.43	69.43		

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DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
	TITLE OF DRAWING STEEL DETAILS	DRAWING NUMBER: ST-18

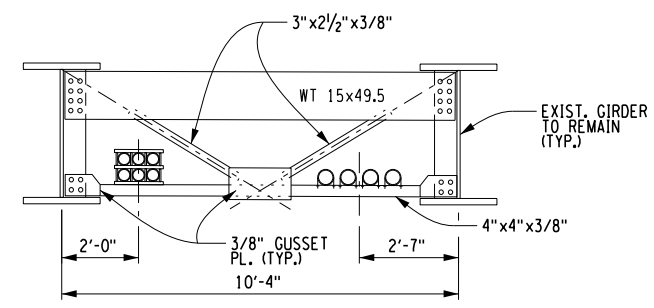
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

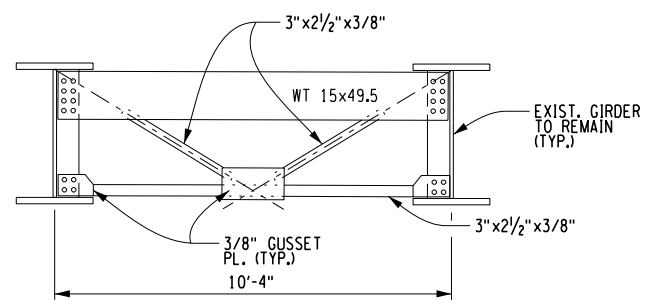
DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



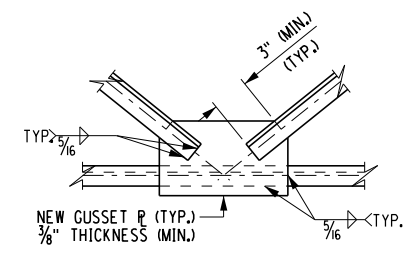
EXISTING END DIAPHRAGM D1
(W/ CONDUIT)

DECK NOT SHOWN FOR CLARITY

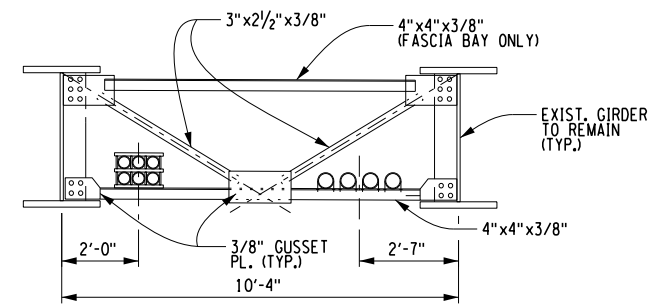


EXISTING END DIAPHRAGM D1
(NO CONDUIT)

DECK NOT SHOWN FOR CLARITY

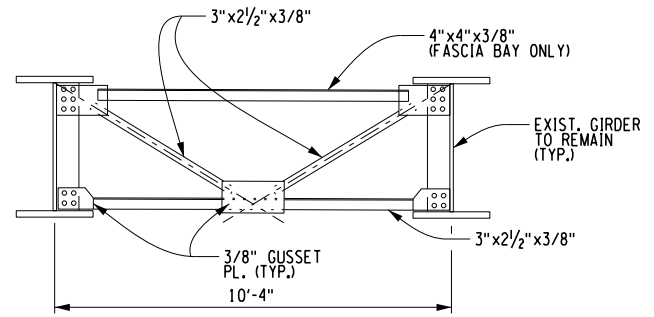


CENTER GUSSET PLATE



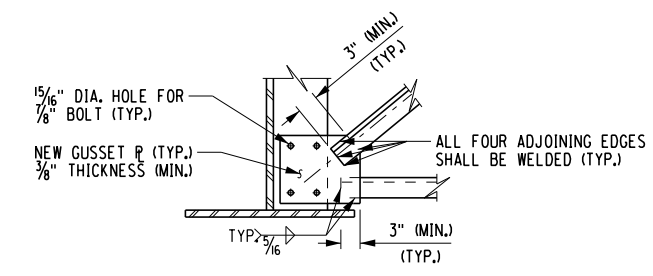
EXISTING INTERMEDIATE DIAPHRAGM D2
(W/ CONDUIT)

DECK NOT SHOWN FOR CLARITY

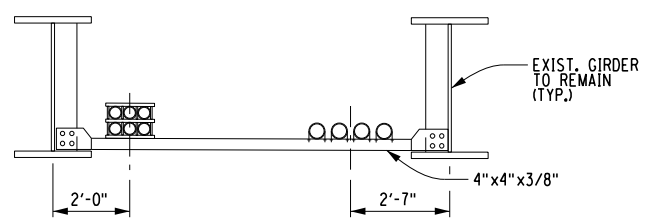


EXISTING INTERMEDIATE DIAPHRAGM D2
(NO CONDUIT)

DECK NOT SHOWN FOR CLARITY

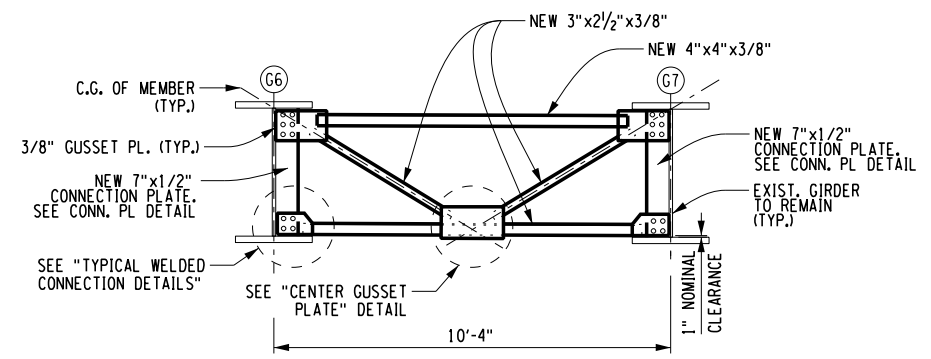


TYPICAL WELDED CONNECTION
DETAILS



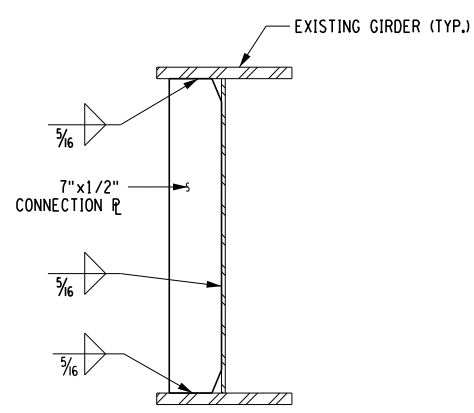
EXISTING CONDUIT DIAPHRAGM D3

DECK NOT SHOWN FOR CLARITY



NEW INTERMEDIATE DIAPHRAGM D4
(NO CONDUIT)

DECK NOT SHOWN FOR CLARITY
ITEM 564.0501



CONNECTION R
DETAIL (TYP.)

NOTE:

1. ALL EXISTING UTILITIES SHALL REMAIN IN PLACE. REFER TO UTILITY TABLE IN DWG. MTD-01 FOR ADDITIONAL INFORMATION.
2. ALL WORK AND ASSEMBLIES ASSOCIATED WITH THE FURNISHING AND INSTALLATION OF THE NEW DIAPHRAGMS, INCLUDING THE CONNECTION PLATES, GUSSET PLATES, AND STEEL ANGLES, SHALL BE INCLUDED UNDER THE LUMP SUM ITEM 564.0501.

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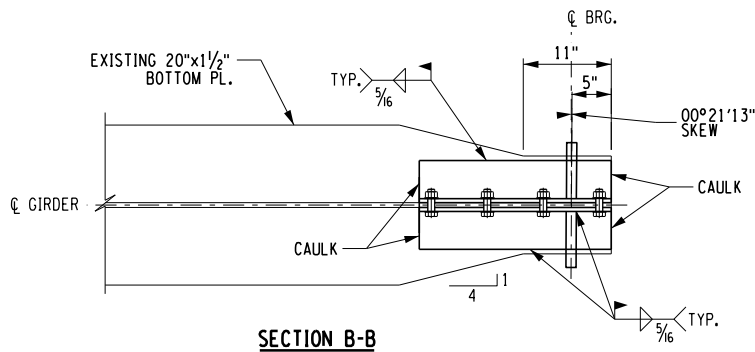
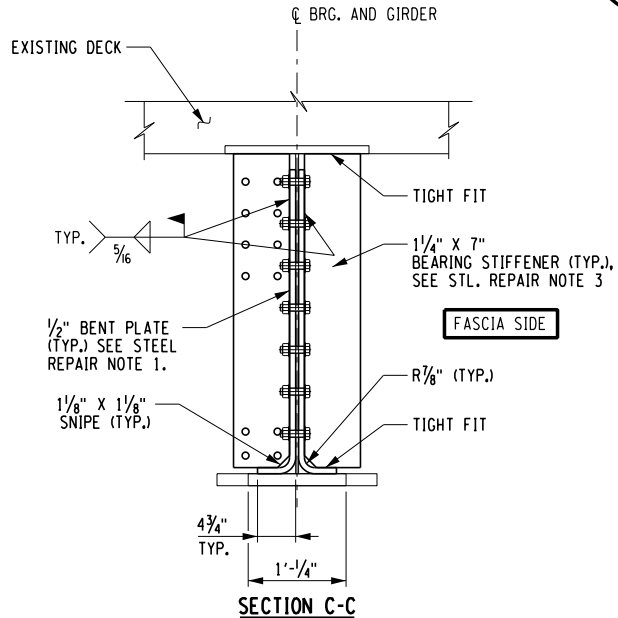
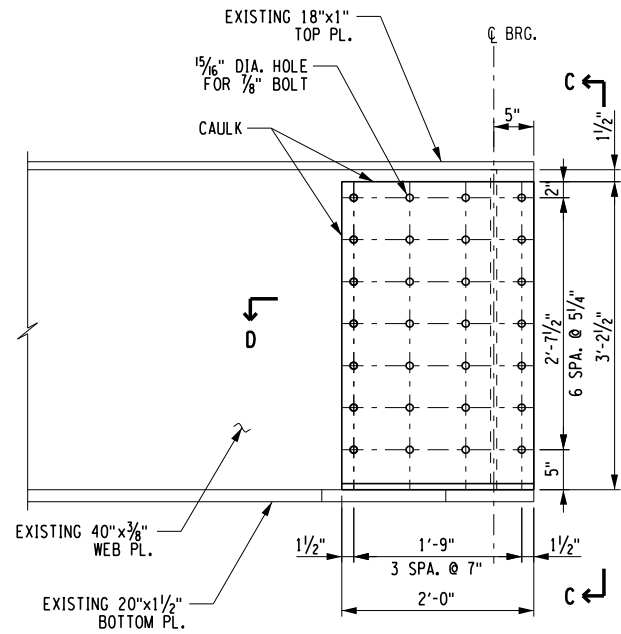
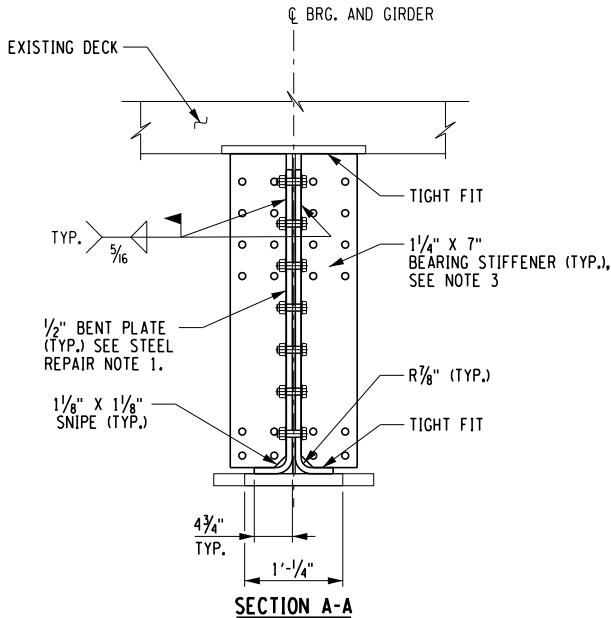
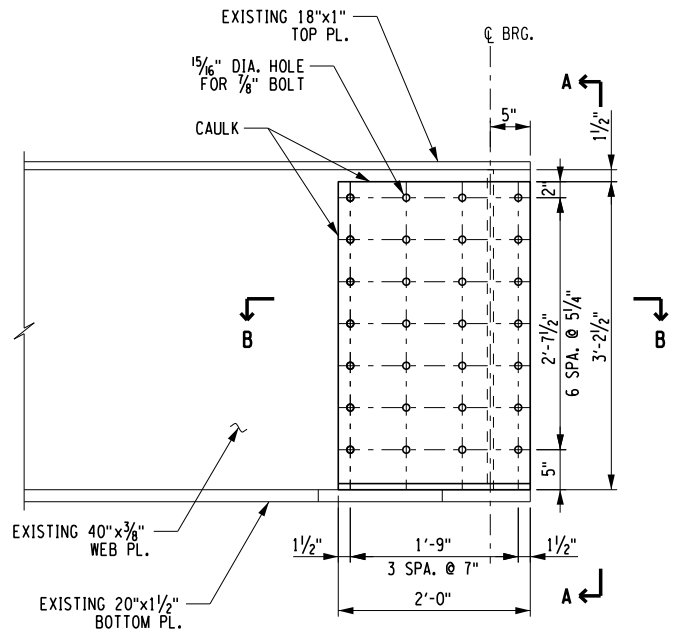
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DATE	DESCRIPTION	BY	SYM.



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Authority

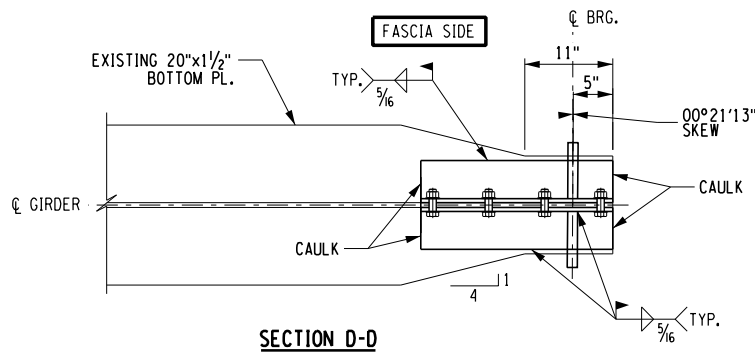
TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54
TITLE OF DRAWING
GIRDER DIAPHRAGM
DETAILS

CONTRACT NUMBER:
TAA 25-22B
DATE:
08/06/2025
DRAWING NUMBER:
ST-19



TYP. GIRDER REPAIR DETAIL (R1)

(5 REQUIRED)
SCALE: 1" = 2'-0"



TYP. GIRDER REPAIR DETAIL (R2)

(2 REQUIRED)
SCALE: 1" = 2'-0"

STEEL REPAIR NOTES:

1. THERE SHALL BE NO COLD OR LOW HEAT BENDING OF THE WEB REPAIR PLATES. WEB REPAIR PLATES SHALL BE BENT IN CONFORMANCE WITH NYS DOT STEEL CONSTRUCTION MANUAL SECTION 611.
2. BENT PLATES SHALL BE MATCH DRILLED IN FIELD AND SUPPLIED IN SETS.
3. DRILL BEARING STIFFENERS FOR BOLT HOLES USING DIAPHRAGM AS A TEMPLATE. A MINIMUM 1 1/2" EDGE DISTANCE FOR BOLT HOLES SHALL BE PROVIDED IN CONFORMANCE WITH NYS DOT STEEL CONSTRUCTION MANUAL SECTION 203.13. THE BEARING STIFFENERS LOCATED ON THE FASCIA SIDE DO NOT REQUIRE BOLT HOLES. FIELD DRILLING OF HOLES IN EXISTING STRUCTURAL STEEL SHALL BE PAID FOR UNDER ITEM 586.10.
4. WELD AFTER ALL BOLTS ARE INSTALLED. THE COST OF WELDING IS TO BE INCLUDED IN THE BASE BID FOR ITEM 564.0501.
5. CAULK ALL EDGES OF THE BENT PLATE THAT ARE NOT WELDED, EXCEPT LOW POINT.
6. NEW BEARING STIFFENERS ARE ON BOTH FACES OF THE WEB.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY AND INTEGRITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT AS NECESSARY.
8. SEE DWG. GN-02 FOR ADDITIONAL NOTES RELATED TO STEEL REPAIRS.

REPAIR SEQUENCE FOR BENT PLATE INSTALLATION

1. CLEAN WEATHERED GALVANIZING COATING FROM END OF GIRDER PER THE CONTRACT PLANS.
2. REMOVE AND STORE DIAPHRAGMS FROM EACH SIDE OF THE GIRDER.
3. REMOVE BEARING STIFFENER FROM 1 SIDE OF GIRDER ONLY. REMOVE THE BEARING STIFFENER BY AIR CARBON ARC GOUGING AND/ OR BY FLAME CUTTING THE BEARING STIFFENER TO WITHIN 1/8" OF THE WEB. THE REMAINING BEARING STIFFENER AND WELD METAL SHALL BE REMOVED BY GRINDING FLUSH AND SMOOTH WITH THE WEB SURFACE.
4. PERFORM MAGNETIC PARTICLE TESTS ON THE CLEANED/ REMOVAL AREA PRIOR TO INSTALLING NEW BENT PLATE. MAGNETIC PARTICLE INSPECTION SHALL BE PERFORMED AS DESCRIBED IN INSPECTION AND NONDESTRUCTIVE TESTING NOTES ON DWG. BGN-02.
5. INSTALL BENT PLATE ON THE GIRDER THAT THE BEARING STIFFENER WAS REMOVED. DO NOT WELD THE BOTTOM OF THE BENT PLATES UNTIL BOTH BENT PLATES AND ALL OF THE BOLTS ARE INSTALLED. DRILL ALL HOLES THROUGH EXISTING GIRDER WEB AND INSTALL A MINIMUM OF 50% OF THE BOLTS REQUIRED FOR THE ASSEMBLY.
6. INSTALL BEARING STIFFENER ON THE GIRDER/ BENT PLATE.
7. REMOVE THE BEARING STIFFENER ON THE OPPOSITE SIDE OF THE GIRDER BY AIR CARBON ARC GOUGING AND/ OR BY FLAME CUTTING THE BEARING STIFFENER TO WITHIN 1/8" OF THE WEB. THE REMAINING BEARING STIFFENER AND WELD METAL SHALL BE REMOVED BY GRINDING FLUSH AND SMOOTH WITH THE WEB SURFACE.
7. REMOVE THE BEARING STIFFENER ON THE OPPOSITE SIDE OF THE GIRDER BY AIR CARBON ARC GOUGING AND/ OR BY FLAME CUTTING THE BEARING STIFFENER TO WITHIN 1/8" OF THE WEB. THE REMAINING BEARING STIFFENER AND WELD METAL SHALL BE REMOVED BY GRINDING FLUSH AND SMOOTH WITH THE WEB SURFACE.
8. PERFORM MAGNETIC PARTICLE TESTS ON THE CLEANED/ REMOVAL AREA PRIOR TO INSTALLING NEW BENT PLATES. MAGNETIC PARTICLE INSPECTION SHALL BE PERFORMED AS DESCRIBED IN INSPECTION AND NONDESTRUCTIVE TESTING NOTES ON DWG. BGN-02.
9. INSTALL THE NEW BENT PLATE AND ALL BOLTS.
10. INSTALL THE BEARING STIFFENER AND WELD THE BOTTOM OF THE BENT PLATES TO THE BOTTOM FLANGE OF THE GIRDER.
11. PERFORM MAGNETIC PARTICLE TESTS AFTER ALL FIELD WELDING IS COMPLETED. MAGNETIC PARTICLE INSPECTION SHALL BE PERFORMED AS DESCRIBED IN INSPECTION AND NONDESTRUCTIVE TESTING NOTES ON DWG. BGN-01.
12. DRILL THE BEARING STIFFENERS USING THE EXISTING DIAPHRAGMS AS A TEMPLATE.
13. INSTALL THE DIAPHRAGMS REMOVED IN STEP 2 AFTER THE REPAIRS TO THE ADJACENT GIRDERS ARE COMPLETE. THE COPEs ON THE DIAPHRAGMS MAY NEED TO BE MODIFIED TO FIT THE NEW BEARING STIFFENERS.
14. BLAST CLEAN AND PAINT AS DESCRIBED IN THE CONTRACT DOCUMENTS.

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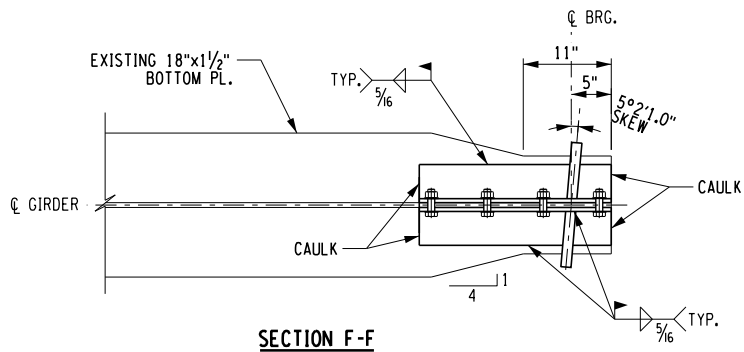
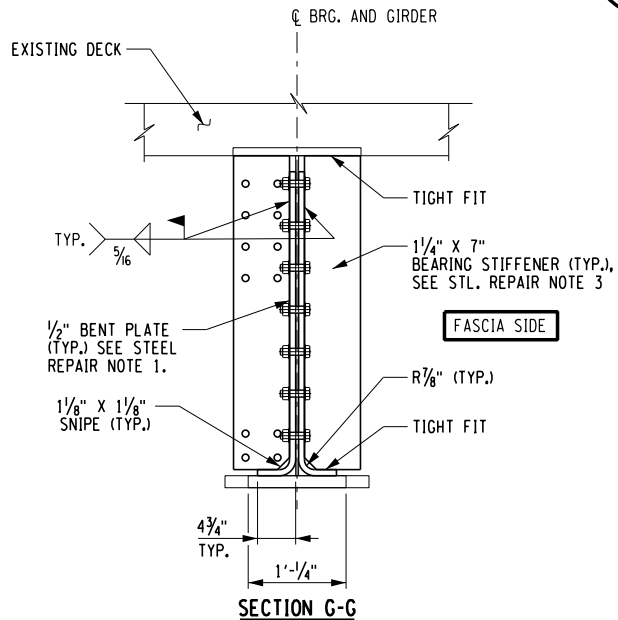
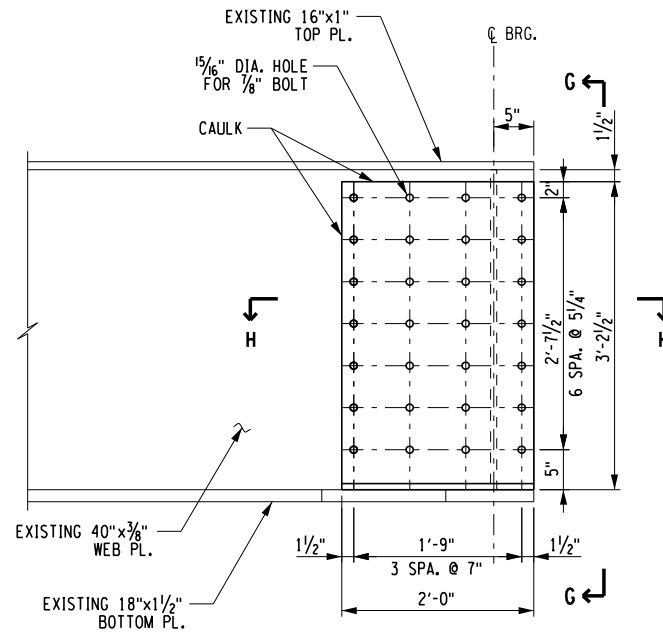
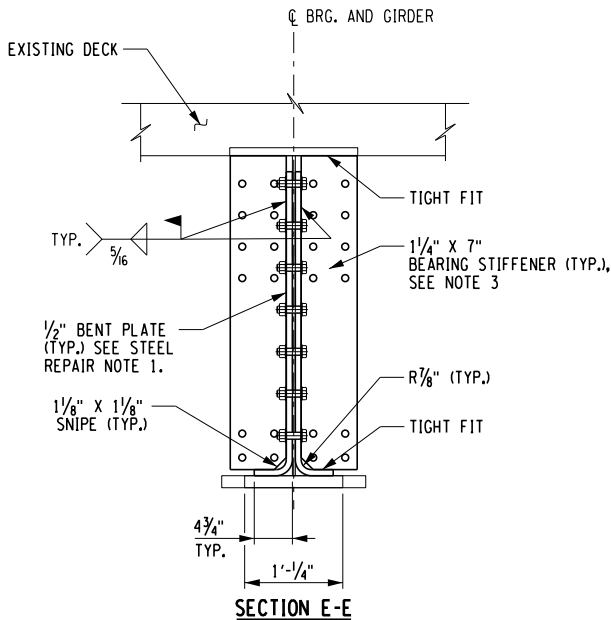
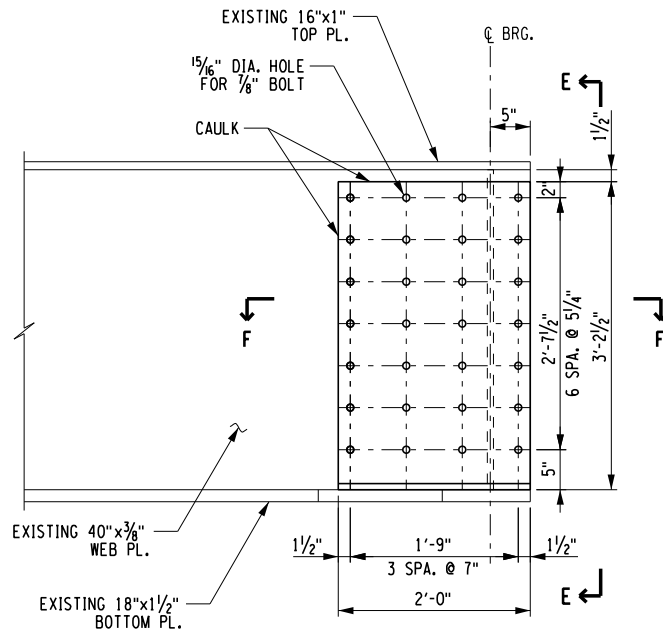
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REVISIONS			
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**Thruway
Authority**

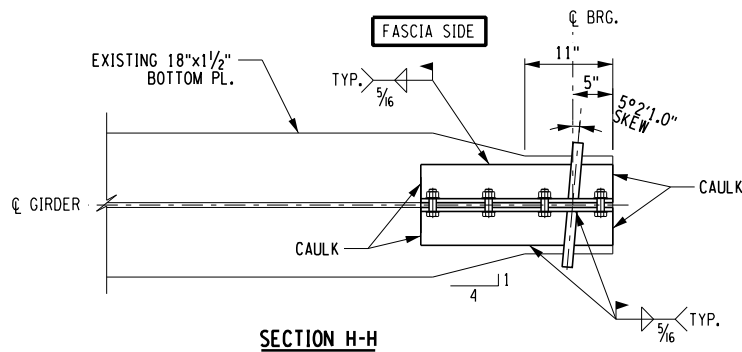
TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING GIRDER REPAIR DETAIL (SHEET 1 OF 2)	DRAWING NUMBER: ST-20



SECTION F-F

TYP. GIRDER REPAIR DETAIL (R3)

(5 REQUIRED)
SCALE: 1" = 2'-0"



SECTION H-H

TYP. GIRDER REPAIR DETAIL (R4)

(2 REQUIRED)
SCALE: 1" = 2'-0"

NOTES:

SEE DWG. ST-20 FOR STEEL REPAIR NOTES AND REPAIR SEQUENCE FOR BENT PLATE INSTALLATION.

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	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING GIRDER REPAIR DETAIL (SHEET 2 OF 2)		DRAWING NUMBER: ST-21

DESIGN LOAD TABLE		
UNIT		LOAD kips/FT
FASCIA GIRDER 1	D.L.	SLAB
		HAUNCH
		GIRDER
		STIFFENERS
		S.I.P. FORMS
		DIAPHRAGMS
		SHEAR STUDS
		TOTAL
	S.L.D.	UTILITIES
		BRIDGE RAIL
		FENCING
		FUTURE W.S.
		TOTAL

DESIGN LOAD TABLE		
UNIT		LOAD kips/FT
INTERIOR GIRDER 3,4,5	D.L.	SLAB
		HAUNCH
		GIRDER
		STIFFENERS
		S.I.P. FORMS
		DIAPHRAGMS
		SHEAR STUDS
		TOTAL
	S.L.D.	UTILITIES
		BRIDGE RAIL
		FENCING
		FUTURE W.S.
		TOTAL

DESIGN LOAD TABLE		
UNIT		LOAD kips/FT
INTERIOR GIRDER 2	D.L.	SLAB
		HAUNCH
		GIRDER
		STIFFENERS
		S.I.P. FORMS
		DIAPHRAGMS
		SHEAR STUDS
		TOTAL
	S.L.D.	UTILITIES
		BRIDGE RAIL
		FENCING
		FUTURE W.S.
		TOTAL

DESIGN LOAD TABLE		
UNIT		LOAD kips/FT
FASCIA GIRDER 6	D.L.	SLAB
		HAUNCH
		GIRDER
		STIFFENERS
		S.I.P. FORMS
		DIAPHRAGMS
		SHEAR STUDS
		TOTAL
	S.L.D.	UTILITIES
		BRIDGE RAIL
		FENCING
		FUTURE W.S.
		TOTAL

DESIGN LOAD TABLE		
UNIT		LOAD kips/FT
FASCIA GIRDER 7	D.L.	SLAB
		HAUNCH
		GIRDER
		STIFFENERS
		S.I.P. FORMS
		DIAPHRAGMS
		SHEAR STUDS
		TOTAL
	S.L.D.	UTILITIES
		BRIDGE RAIL
		FENCING
		FUTURE W.S.
		TOTAL

NOTES: THE VALUES OF MOMENT ARE EXPRESSED IN KIP-FEET.
THE VALUES OF SHEAR ARE EXPRESSED IN KIPS.
THE VALUES OF LIVE LOAD MOMENT AND SHEAR INCLUDE IMPACT.
MOMENTS AND SHEARS ARE UNFACTORED.

MOMENT & SHEAR TABLE			CL Brgs. BGN ABUT	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	CL Brgs. PIER	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	CL Brgs END ABUT	
G1 FASCIA GIRDER	D.L	MOMENT	0	491	815	970	958	777	428	-89	-774	-1634	-2678	-2678	-1538	-602	140	693	1053	1224	1204	993	592	0
		SHEAR	57	40	24	7	-10	-26	-43	-60	-76	-94	-113	116	97	78	61	43	25	7	-11	-29	-46	-64
	S.D.L	MOMENT	0	128	214	258	260	220	138	14	-152	-360	-610	-610	-337	-111	68	200	284	322	312	255	151	0
		SHEAR	15	11	6	2	-2	-6	-10	-14	-19	-23	-27	28	23	19	15	10	6	1	-3	-8	-12	-16
	LL(+)	MOMENT	0	827	1402	1739	1880	1835	1622	1236	711	267	0	0	283	772	1341	1760	1992	2041	1886	1519	895	0
		SHEAR	95	80	65	52	40	30	20	12	7	3	0	113	102	90	78	66	53	41	28	18	12	11
	LL(-)	MOMENT	0	-129	-259	-388	-517	-646	-775	-905	-1036	-1449	-2236	-2236	-1402	-958	-836	-717	-597	-478	-358	-239	-120	0
		SHEAR	-13	-13	-18	-28	-40	-53	-65	-77	-89	-100	-111	0	-3	-7	-13	-21	-30	-41	-53	-67	-81	-97

MOMENT & SHEAR TABLE			CL Brgs. BGN ABUT	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	CL Brgs. PIER	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	CL Brgs END ABUT	
G2 INTERIOR GIRDER	D.L	MOMENT	0	475	789	938	927	751	414	-86	-749	-1581	-2591	-2591	-1554	-1012	9	426	868	1125	1197	1086	790	309
		SHEAR	55	39	23	7	-9	-25	-42	-58	-74	-91	-109	113	94	76	59	41	24	7	-10	-28	-45	-62
	S.D.L	MOMENT	0	71	118	142	144	122	77	9	-83	-197	-334	-334	-193	-119	21	78	137	171	178	160	115	45
		SHEAR	8	6	4	1	-1	-3	-6	-8	-10	-12	-15	15	13	10	8	6	3	1	-2	-4	-7	-9
	LL(+)	MOMENT	0	731	1239	1536	1662	1622	1434	1092	656	246	0	0	261	713	1177	1544	1747	1790	1655	1332	785	0
		SHEAR	110	92	76	60	47	34	23	14	8	3	0	130	118	104	90	76	61	47	33	21	13	13
	LL(-)	MOMENT	0	-114	-228	-342	-457	-571	-685	-799	-957	-1338	-2064	-2064	-1294	-885	-733	-629	-524	-419	-314	-210	-105	0
		SHEAR	-15	-15	-21	-33	-47	-61	-75	-89	-103	-116	-129	0	-3	-8	-15	-24	-35	-47	-62	-77	-94	-112

MOMENT & SHEAR TABLE			CL Brgs. BGN ABUT	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	CL Brgs. PIER	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	CL Brgs. END ABUT	
G3 INTERIOR GIRDER	D.L	MOMENT	0	474	786	935	924	749	413	-86	-747	-1576	-2584	-2584	-1483	-580	136	668	1016	1181	1161	958	571	0
		SHEAR	55	39	23	7	-9	-25	-41	-57	-74	-91	-109	112	93	76	58	41	24	7	-10	-28	-45	-62
	S.D.L	MOMENT	0	64	108	130	131	111	70	8	-76	-180	-305	-305	-168	-55	35	101	143	162	157	128	76	0
		SHEAR	7	5	3	1	-1	-3	-5	-7	-9	-11	-13	14	12	9	7	5	3	1	-2	-4	-6	-8
	HL-93(+)	MOMENT	0	732	1240	1538	1664	1624	1438	1097	659	249	0	0	261	718	1180	1547	1750	1792	1656	1333	786	0
		SHEAR	110	92	76	60	47	34	23	14	8	3	0	130	118	104	90	76	61	47	33	21	13	13
	HL-93 (-)	MOMENT	0	-114	-227	-341	-454	-568	-681	-795	-951	-1331	-2056	-2056	-1286	-878	-728	-624	-520	-416	-312	-208	-104	0
		SHEAR	-15	-15	-21	-33	-47	-61	-75	-89	-103	-116	-128	0	-3	-8	-15	-24	-35	-48	-62	-77	-94	-112

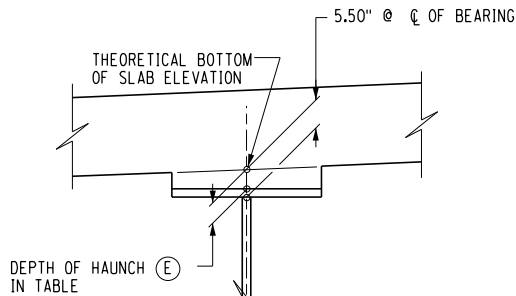
MOMENT & SHEAR TABLE			CL Brgs. BGN ABUT	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	CL Brgs. PIER	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	CL Brgs. END ABUT	
G4 INTERIOR GIRDER	D.L.	MOMENT	0	474	786	935	924	749	413	-86	-747	-1576	-2584	-2584	-1483	-580	136	668	1016	1181	1161	958	571	0
		SHEAR	55	39	23	7	-9	-25	-41	-57	-74	-91	-109	112	93	76	58	41	24	7	-10	-28	-45	-62
	S.D.L.	MOMENT	0	64	107	130	131	111	69	7	-76	-180	-306	-306	-169	-55	34	100	143	162	157	128	76	0
		SHEAR	7	5	3	1	-1	-3	-5	-7	-9	-11	-13	14	12	9	7	5	3	1	-2	-4	-6	-8
	HL-93(+)	MOMENT	0	732	1240	1538	1664	1624	1438	1097	660	249	0	0	261	718	1180	1547	1750	1792	1656	1333	786	0
		SHEAR	110	92	76	60	47	34	23	14	8	3	0	130	118	104	90	76	61	47	33	21	13	13
	HL-93 (-)	MOMENT	0	-114	-227	-341	-454	-568	-681	-795	-951	-1330	-2055	-2055	-1285	-877	-727	-623	-520	-416	-312	-208	-104	0
		SHEAR	-15	-15	-21	-33	-47	-61	-75	-89	-103	-116	-128	0	-3	-8	-15	-24	-35	-48	-62	-77	-94	-112

MOMENT & SHEAR TABLE			CL Brgs. BGN ABUT	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	CL Brgs. PIER	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	CL Brgs. END ABUT	
G5 INTERIOR GIRDER	D.L	MOMENT	0	474	786	935	924	749	413	-86	-747	-1576	-2584	-2584	-1483	-580	136	668	1016	1181	1161	958	571	0
		SHEAR	55	39	23	7	-9	-25	-41	-57	-74	-91	-109	112	93	76	58	41	24	7	-10	-28	-45	-62
	S.D.L	MOMENT	0	64	108	130	131	111	70	8	-75	-180	-305	-305	-168	-55	35	101	143	162	157	128	76	0
		SHEAR	7	5	3	1	-1	-3	-5	-7	-9	-11	-13	14	12	9	7	5	3	1	-2	-4	-6	-8
	HL-93(+)	MOMENT	0	732	1239	1538	1664	1624	1437	1096	659	249	0	0	261	717	1180	1547	1749	1792	1656	1333	786	0
		SHEAR	110	92	76	60	47	34	23	14	8	3	0	130	118	104	90	76	61	47	33	21	13	13
	HL-93 (-)	MOMENT	0	-114	-227	-341	-454	-568	-681	-795	-952	-1332	-2057	-2057	-1287	-879	-729	-625	-520	-416	-312	-208	-104	0
		SHEAR	-15	-15	-21	-33	-47	-61	-75	-89	-103	-116	-128	0	-3	-8	-15	-24	-35	-48	-62	-77	-94	-112

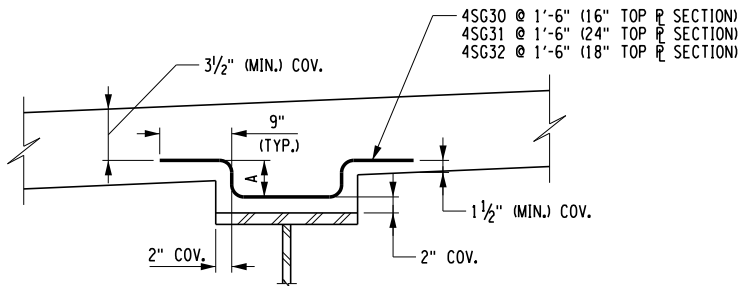
HAUNCH TABLE		CL OF BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL OF BRGS. PIER	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL OF BRGS. END ABUT.
G1	A REQ'D BOTTOM OF SLAB ELEVATION	374.11	374.34	374.56	374.77	374.97	375.17	375.35	375.52	375.68	375.84	376.09	376.12	376.25	376.37	376.47	376.57	376.66	376.73	376.79	376.84	376.88
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.068	0.123	0.158	0.169	0.155	0.121	0.077	0.034	0.007	0.000	0.022	0.067	0.127	0.183	0.222	0.234	0.215	0.165	0.090	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					
G2	A REQ'D BOTTOM OF SLAB ELEVATION	374.07	374.31	374.53	374.75	374.95	375.14	375.33	375.50	375.66	375.82	375.96	376.10	376.23	376.35	376.46	376.56	376.64	376.72	376.78	376.83	376.87
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.060	0.110	0.141	0.150	0.138	0.108	0.068	0.030	0.006	0.000	0.019	0.059	0.113	0.163	0.197	0.208	0.191	0.147	0.080	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					
G3	A REQ'D BOTTOM OF SLAB ELEVATION	373.57	373.80	374.03	374.24	374.45	374.64	374.83	375.00	375.17	375.32	375.47	375.61	375.74	375.86	375.97	376.07	376.16	376.23	376.30	376.35	376.39
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.054	0.098	0.126	0.134	0.123	0.096	0.060	0.027	0.005	0.000	0.017	0.053	0.100	0.145	0.176	0.185	0.170	0.131	0.071	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					
G4	A REQ'D BOTTOM OF SLAB ELEVATION	373.06	373.30	373.52	373.74	373.95	374.14	374.33	374.51	374.67	374.83	374.98	375.12	375.25	375.37	375.48	375.58	375.67	375.74	375.81	375.86	375.90
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.058	0.105	0.135	0.144	0.133	0.104	0.066	0.029	0.006	0.000	0.021	0.066	0.123	0.177	0.214	0.225	0.206	0.158	0.086	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					
G5	A REQ'D BOTTOM OF SLAB ELEVATION	372.55	372.79	373.02	373.24	373.45	373.64	373.83	374.01	374.18	374.34	374.48	374.63	374.76	374.88	374.99	375.09	375.18	375.26	375.32	375.37	375.42
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.060	0.109	0.140	0.149	0.137	0.107	0.068	0.030	0.006	0.000	0.017	0.054	0.104	0.151	0.183	0.193	0.177	0.136	0.074	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					
G6	A REQ'D BOTTOM OF SLAB ELEVATION	372.04	372.28	372.51	372.73	372.95	373.15	373.33	373.51	373.68	373.84	373.99	374.14	374.27	374.39	374.51	374.61	374.69	374.77	374.84	374.89	374.93
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.060	0.110	0.141	0.150	0.138	0.108	0.068	0.030	0.006	0.000	0.018	0.055	0.104	0.151	0.184	0.194	0.178	0.137	0.075	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					
G7	A REQ'D BOTTOM OF SLAB ELEVATION	371.53	371.78	372.01	372.23	372.44	372.65	372.84	373.02	373.19	373.35	373.50	373.64	373.78	373.90	374.02	374.12	374.21	374.28	374.35	374.40	374.44
	B TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D CONCRETE + S.D.L. DEFLECTION	0.000	0.068	0.124	0.160	0.170	0.156	0.122	0.077	0.034	0.007	0.000	0.023	0.070	0.133	0.191	0.231	0.244	0.224	0.172	0.094	0.000
	E DEPTH OF HAUNCH REQ'D = C + D (ft.)																					

NOTE:

1. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER THE COMPLETED HAUNCH TABLE PRIOR TO SETTING THE BOTTOM FORMWORK OF THE DECK.



GIRDER HAUNCH DETAIL
(NOT TO SCALE)



REINFORCED GIRDER HAUNCH DETAIL
(NOT TO SCALE)

MONITORING PROCEDURE:

- UPON COMPLETED INSTALLATION OF FORMWORK, DECK REINFORCING, AND SCREED MACHINE, ELEVATION SHOTS SHALL BE TAKEN AT TENTH POINTS ALONG THE CENTER-LINE OF EACH GIRDER DURING THE DRY RUN TO VERIFY APPROPRIATE DECK THICKNESS, COVER, AND THE APPEARANCE OF ANY DIFFERENTIAL DEFLECTIONS BETWEEN THE ADJACENT GIRDERS. ANY VARIATIONS FROM THE DEFLECTIONS SHOWN ON THE CONTRACT PLANS, OR INDICATIONS OF POSSIBLE SUBSTANDARD DECK THICKNESS OR COVER SHALL BE REPORTED TO THE DIRECTOR OF STRUCTURES DESIGN FOR POSSIBLE FIELD CORRECTIONS. IN THIS SITUATION, NO WORK SHALL PROGRESS UNTIL THE PROBLEM IS RESOLVED TO THEIR SATISFACTION.
- DURING THE DECK POURING OPERATION, THE CONTRACTOR SHALL MONITOR THE ACTUAL DECK THICKNESS AT TENTH POINTS ALONG THE CENTERLINE OF EACH GIRDER TO INSURE THE MINIMUM THICKNESS AND REINFORCING COVER AS SHOWN ON THESE PLANS. IF THIS IS NOT THE CASE, THE DIRECTOR OF STRUCTURES DESIGN SHALL BE IMMEDIATELY NOTIFIED OF THE SITUATION AND POSSIBLE RAMIFICATIONS (IE SUBSTANDARD DECK THICKNESS). IN THIS SITUATION, NO WORK SHALL PROGRESS UNTIL THE PROBLEM IS RESOLVED TO THEIR SATISFACTION.
- THE CONTRACTOR SHALL VERIFY THE VERTICAL CLEARANCE UNDER THE NEW STRUCTURE PRIOR TO PLACING THE DECK OR FORMING. THIS MEASUREMENT SHALL BE TAKEN AT THE POINT OF MINIMUM VERTICAL CLEARANCE SHOWN ON THE PLANS AND SHOULD INCLUDE DEDUCTIONS FOR DL & SDL DEFLECTION.

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING HAUNCH TABLES	DRAWING NUMBER: ST-23

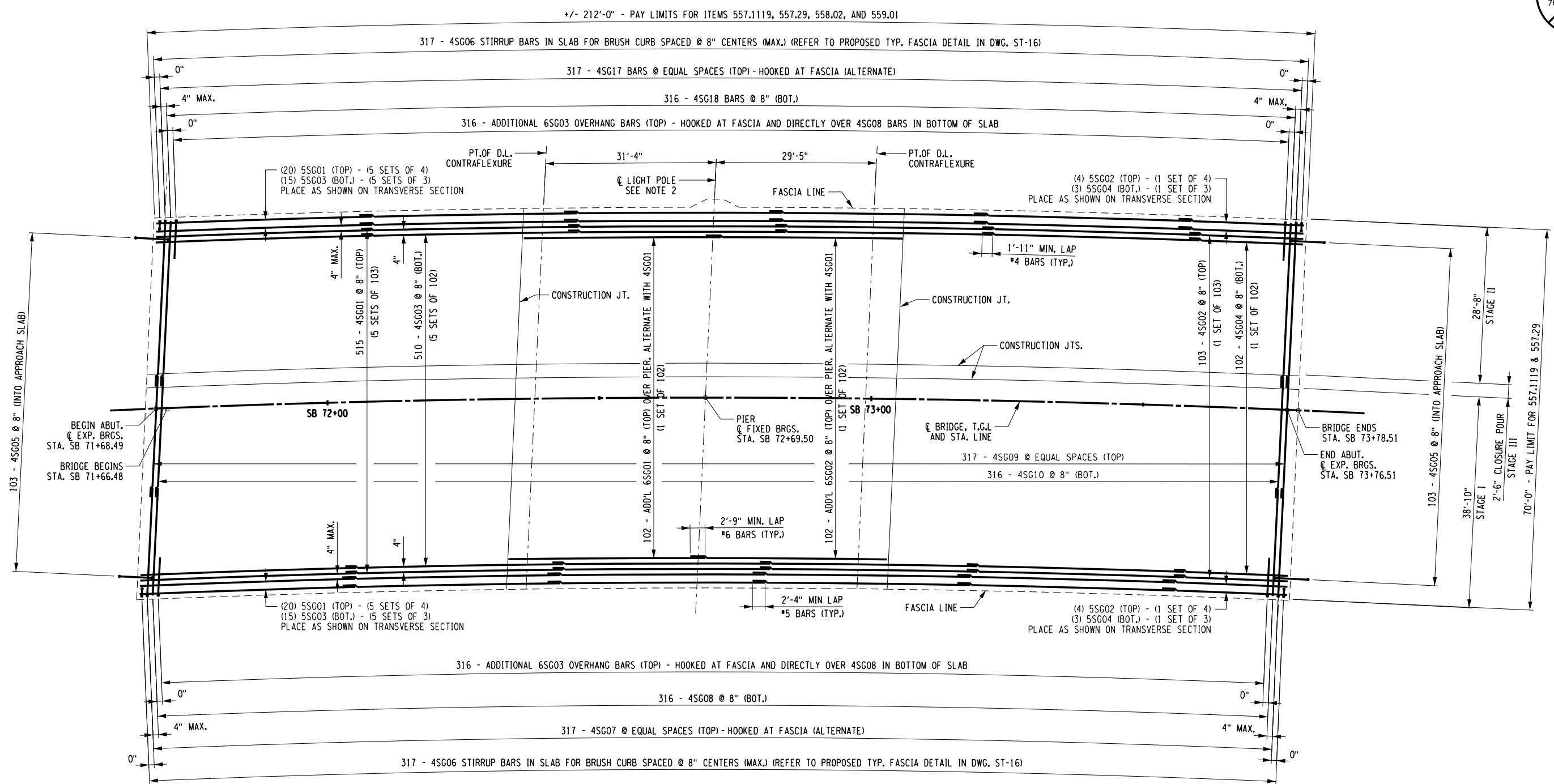
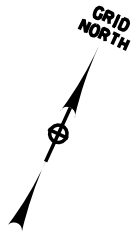
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



SUPERSTRUCTURE SLAB REINFORCEMENT PLAN

NOT TO SCALE

NOTES:

1. FOR LONGITUDINAL REINFORCEMENT QUANTITY BY STAGE, SEE BAR LIST IN DWG. ST-42 THRU ST-47.
2. FOR LIGHT POLE BUMPOUT AND REINFORCEMENT DETAIL, SEE LIGHT POLE DETAILS IN DWG. ST-39 THRU ST-40.
3. FOR BRUSH CURB AND REINFORCEMENT DETAILS, SEE DWGS. ST-30 AND ST-33.
4. FOR RAILING DETAILS, SEE DWGS. ST-34 THRU ST-37.
5. FOR TYPICAL TRANSVERSE BRIDGE SECTION, SEE DWG. ST-04 AND ST-15.
6. ALL COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
7. (G) DENOTES GALVANIZED STEEL BARS.

SUPERSTRUCTURE SLAB TABLE			
SUPERSTRUCTURE SLAB WITH INTEGRAL WEARING SURFACE - BOTTOM FORMWORK REQUIRED - TYPE 9 (SY) ITEM 557.1119	WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE (SY) ITEM 558.02	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE, DECKS AND BRIDGE DECK OVERLAYS (SF) ITEM 559.01
1,649	1,649	1,551	15,918

**FOR TRANSVERSE LIMITS OF LONGITUDINAL SAWCUT GROOVING AND PROTECTIVE SEALING ITEMS, REFER TO THE TRANSVERSE SECTION DRAWING.

ALTERED ON:

SIGNATURE: STAMP:

AFFIXED ON:
08/06/2025

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
SUPERSTRUCTURE REINFORCEMENT PLAN

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
ST-24

CHECKED BY: P. MULKERN

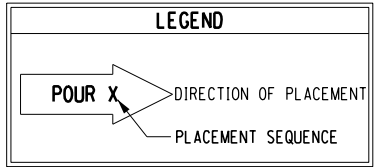
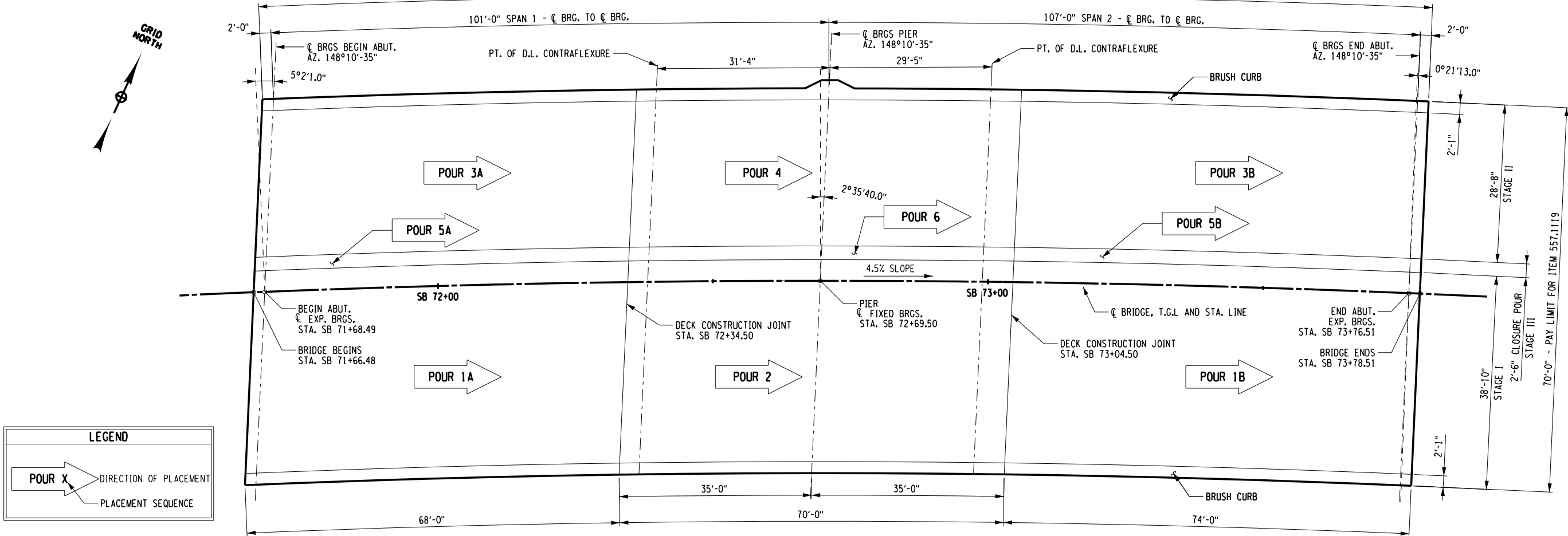
DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

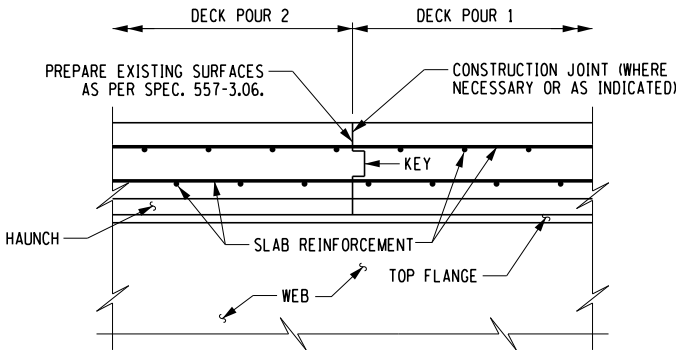
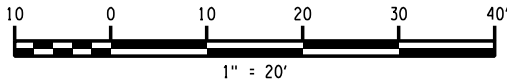
+/- 212'-0" - PAY LIMIT FOR ITEM 557.1119



CONCRETE POUR TABLE ITEM 557.1119 (SY)			
STAGE	POUR	AREA (SY)	TOTAL (SY)
1	1A	293.4	914.7
	1B	319.3	
	2	302.0	
2	3A	216.6	675.3
	3B	235.7	
	4	223.0	
3	5A	18.9	58.9
	5B	20.6	
	6	19.4	
SUBTOTAL, THIS SHEET (SY)			1,648.9

NOTE:

THE CONCRETE BRUSH CURBS SHALL BE PAID FOR UNDER LF ITEM 609.0302. SEE RAILING LAYOUT PLAN FOR DETAILS.



TRANSVERSE CONSTRUCTION JOINT IN SLAB

NOT TO SCALE

DECK SLAB PLACEMENT NOTES:

- CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY DIRECT THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN THE ENGINEER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.
- LONGITUDINAL CONSTRUCTION JOINTS NOT PERMITTED.
- THE CONCRETE DECK SLAB FOR THIS STRUCTURE SHALL BE PLACED ACCORDING TO THE POURING SEQUENCE SHOWN. REQUESTS FOR AN ALTERNATE DECK POURING SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER. THE SUBMITTAL REQUIREMENTS ARE PROVIDED IN THE DEPARTMENT'S "PROCEDURE FOR APPROVAL OF ALTERNATE DECK POURING SEQUENCE ON CONTINUOUS BRIDGES" IN THE CONSTRUCTION INSPECTION MANUAL. NO RELATED WORK MAY BE PROGRESS BY THE CONTRACTOR UNTIL THE WRITTEN APPROVAL OF THE ALTERNATE PROCEDURE IS RECEIVED FROM THE AUTHORITY. THE AUTHORITY WILL REVIEW THE REQUEST AND REPLY WITHIN FIFTEEN (15) WORKING DAYS AFTER RECEIPT OF ALL THE REQUIRED SUBMITTAL DOCUMENTS FROM THE CONTRACTOR.
- CONSTRUCTION JOINTS SHALL BE PLACED PARALLEL TO THE SKEW ANGLE. DECK CONCRETE SHALL BE PLACED SO THAT THE LEADING EDGE IS PARALLEL TO THE SKEW. FINISHING MACHINE(S) SHALL BE OPERATED AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE. TEXTURING MAY BE DONE LONGITUDINAL, TRANSVERSE OR PARALLEL TO THE ALIGNMENT OF THE FINISHING MACHINE.
- ALL AREAS SHOWN ON THE PLANS AS "DECK POUR 1" SHALL BE PLACED DURING THE INITIAL CONTINUOUS WORK PERIOD. SUBSEQUENT PLACEMENTS WILL NOT BE PERMITTED UNTIL 72 HOURS OF ACCEPTABLE CURING AFTER THE COMPLETION OF THE PREVIOUS PLACEMENT HAS BEEN ACHIEVED.
- IF THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S DECISION OR BY DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL PROVIDE A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT NO COST TO THE AUTHORITY.
- THE CONTRACTOR SHALL OPERATE FINISHING MACHINE(S) AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE.
- THE CONTRACTOR SHALL PLACE WET BURLAP CURING BLANKETS 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.
- THE CONTINUOUS PLACEMENT SHALL BE ACCOMPLISHED BY THE SIMULTANEOUS OPERATION OF TWO FINISHING MACHINES AND CREWS. A MINIMUM RATE OF 30 CUBIC YARDS PER HOUR SHALL BE MAINTAINED BY EACH MACHINE.
- THE VALUES SHOWN IN THE CAMBER AND HAUNCH TABLES ARE BASED ON THE DECK PLACEMENT SEQUENCE SHOWN IN THE PLANS. IF THE DECK PLACEMENT SEQUENCE IS ALTERED, THE CAMBER AND HAUNCH TABLES SHALL BE RECOMPUTED. THE CONTRACTOR SHALL HAVE A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER RECOMPUTE AND SEAL AND SIGN THESE TABLES AND SUBMIT THEM TO NYSTA FOR APPROVAL.

ALTERED ON:

AFFIXED ON:

08/06/2025

SIGNATURE:
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REVISIONS

DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
DECK POUR
SEQUENCE PLAN

CONTRACT NUMBER:

TAA 25-22B

DATE:

08/06/2025

DRAWING NUMBER:

ST-25

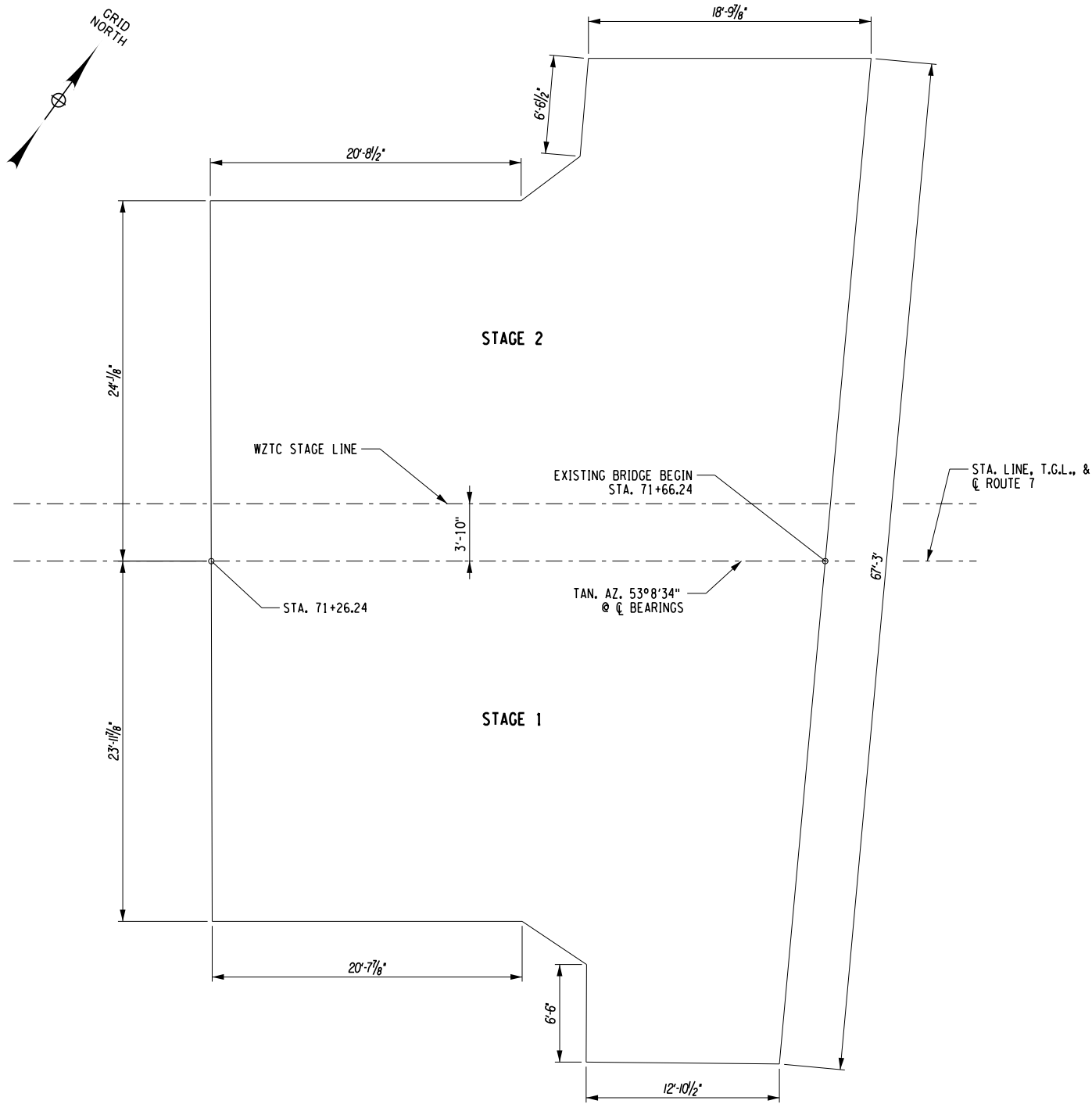
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

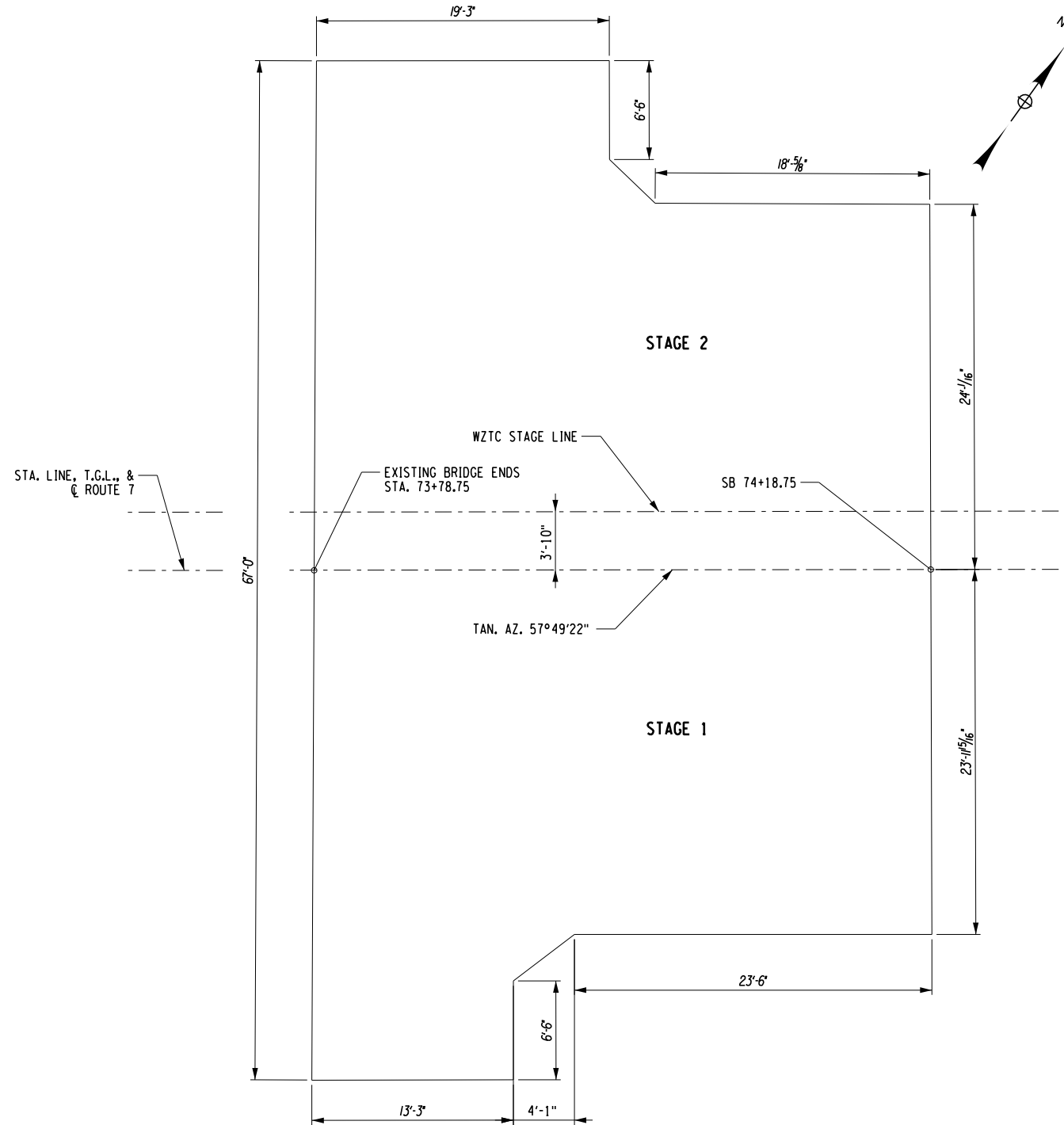
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



EXISTING BEGIN APPROACH SLAB PLAN



EXISTING END APPROACH SLAB PLAN

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING EXISTING APPROACH SLAB PLAN		DRAWING NUMBER: ST-26

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

BEGIN APPROACH SLAB TABLE				
LOCATION	STRUCTURAL APPROACH SLAB W/ INTEGRAL WEARING SURFACE TYPE 9 FRICTION (SY) ITEM 557.1019	WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE (SF) ITEM 559.01
STAGE 1	62.5	62.5	58.4	562.5
STAGE 2	61.8	61.8	56.7	556.2
TOTAL	124.3	124.3	115.1	1,118.7

BEGIN SLEEPER SLAB TABLE				
LOCATION	STRUCTURAL APPROACH SLAB W/ INTEGRAL WEARING SURFACE TYPE 9 FRICTION (SY) ITEM 557.1019	WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE (SF) ITEM 559.01
STAGE 1	26.2	26.2	8.2	78.7
STAGE 2	21.1	21.1	6.5	63.3
TOTAL	47.3	47.3	14.7	142.0

- NOTES:
- ALL REINFORCEMENT SHALL HAVE 3 in. COVER UNLESS OTHERWISE NOTED.
 - SEE DWG. ST-29 FOR SECTION A-A.
 - THE STIRRUP BARS SHALL CONNECT TO THE BRUSH CURB. REFER TO THE TYPICAL WINGWALL ANCHORAGE DETAIL IN DWG. ST-30.

LEGEND
T : TOP
B : BOTTOM

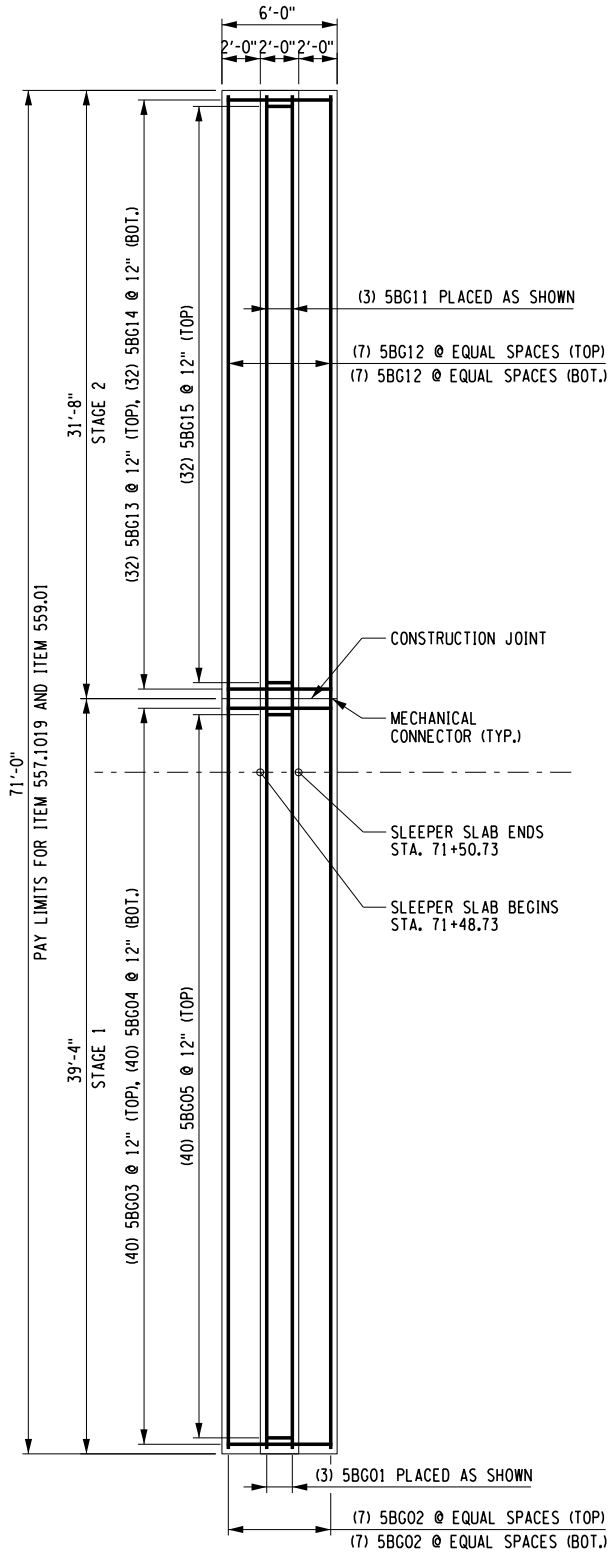
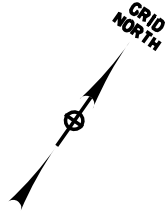
ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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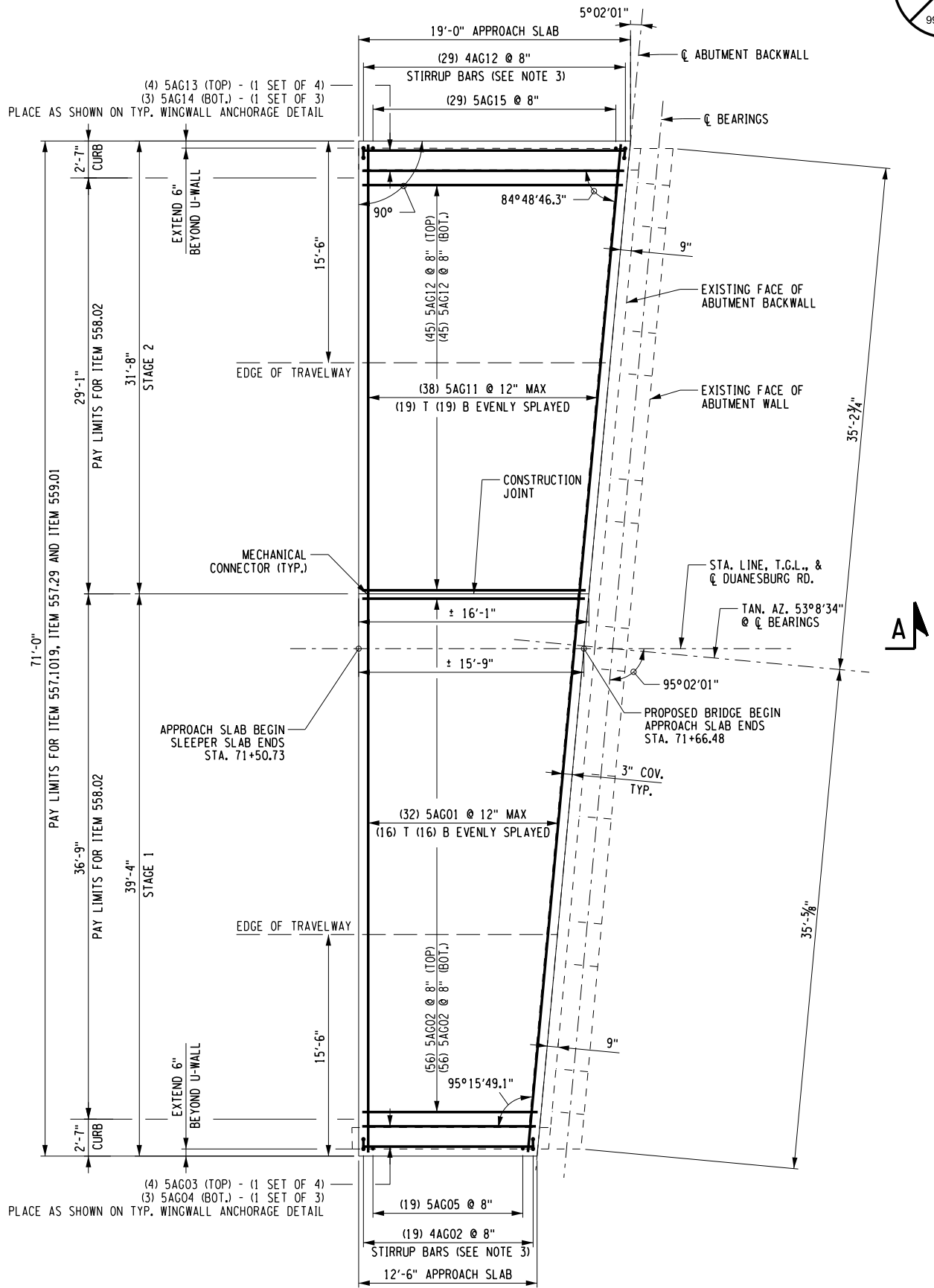
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING BEGIN APPROACH SLAB REINFORCEMENT PLAN	DRAWING NUMBER: ST-27



BEGIN SLEEPER SLAB PLAN



BEGIN APPROACH SLAB PLAN

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

END APPROACH SLAB TABLE				
LOCATION	STRUCTURAL APPROACH SLAB W/ INTEGRAL WEARING SURFACE TYPE 9 FRICTION (SY) ITEM 557.1019	WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE (SF) ITEM 559.01
STAGE 1	66.3	66.3	61.9	596.7
STAGE 2	63.8	63.8	58.6	574.2
TOTAL	130.1	130.1	120.5	1,170.9

END SLEEPER SLAB TABLE				
LOCATION	STRUCTURAL APPROACH SLAB W/ INTEGRAL WEARING SURFACE TYPE 9 FRICTION (SY) ITEM 557.1019	WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE (SF) ITEM 559.01
STAGE 1	26.2	26.2	8.2	78.7
STAGE 2	21.1	21.1	6.5	63.3
TOTAL	47.3	47.3	14.7	142.0

- NOTES:
- ALL REINFORCEMENT SHALL HAVE 3 in. COVER UNLESS OTHERWISE NOTED.
 - SEE DWG. ST-29 FOR SECTION A-A.
 - THE STIRRUP BARS SHALL CONNECT TO THE BRUSH CURB. REFER TO THE TYPICAL WINGWALL ANCHORAGE DETAIL IN DWG. ST-30.

LEGEND
T : TOP
B : BOTTOM

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

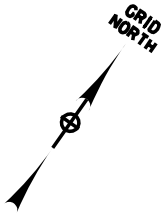
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DATE	DESCRIPTION	BY	SYM.

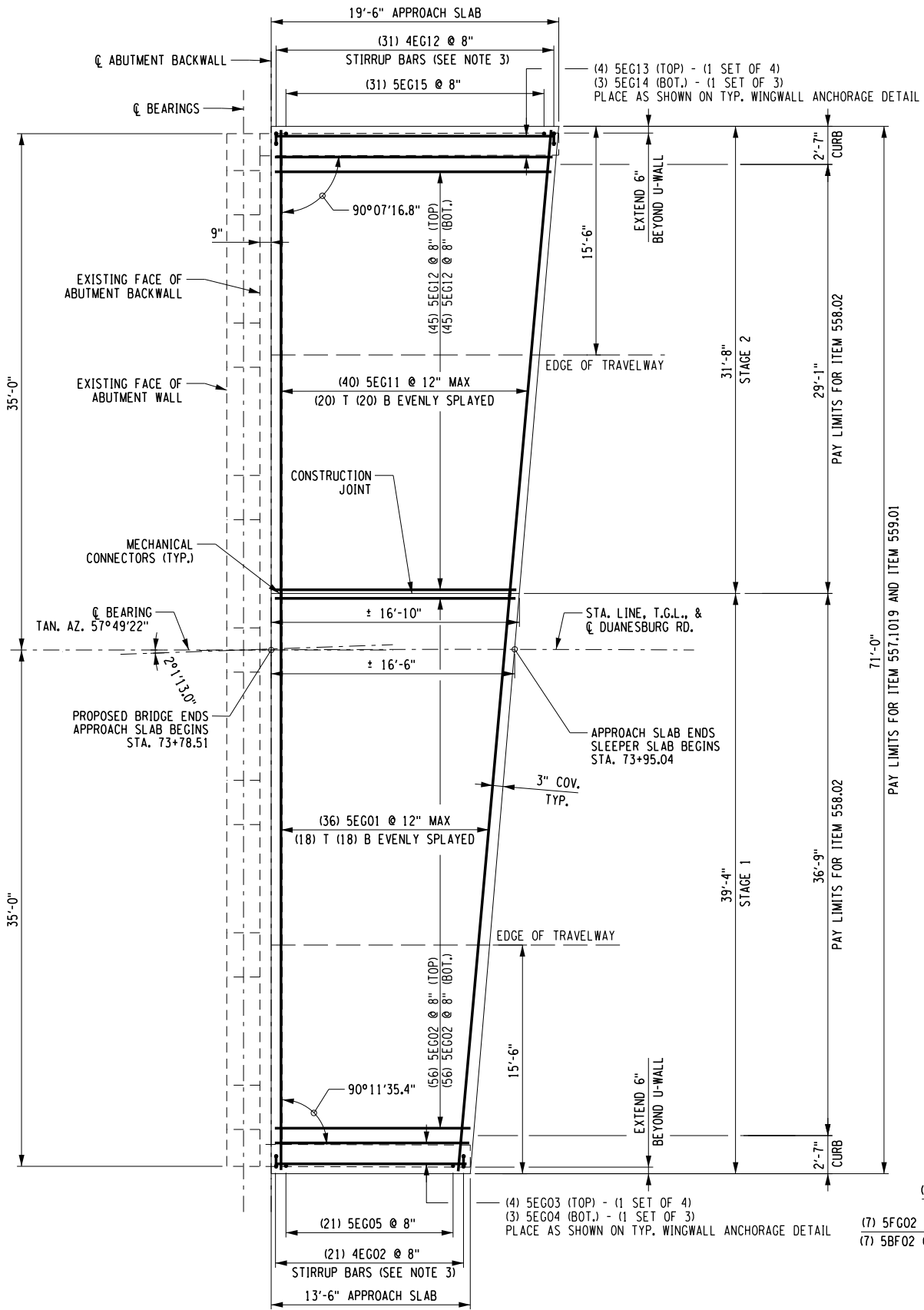


Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING END APPROACH SLAB REINFORCEMENT PLAN	DRAWING NUMBER: ST-28

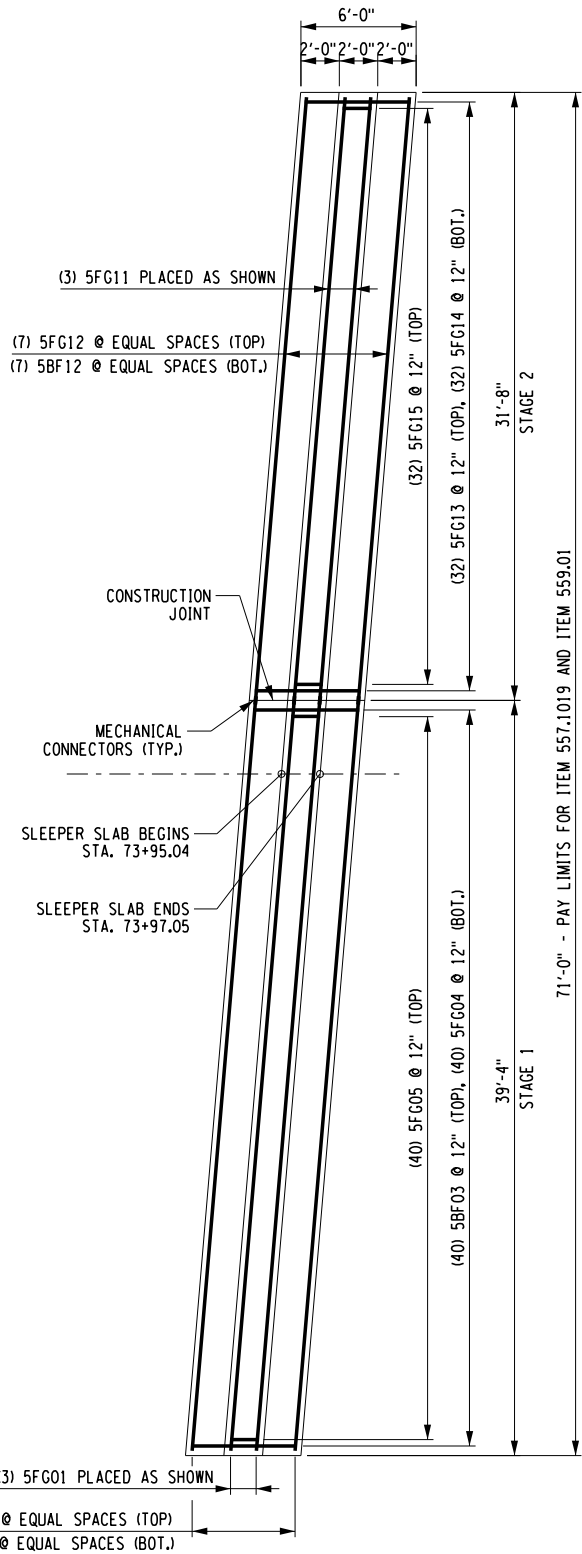


A



END APPROACH SLAB PLAN

A



END SLEEPER SLAB PLAN

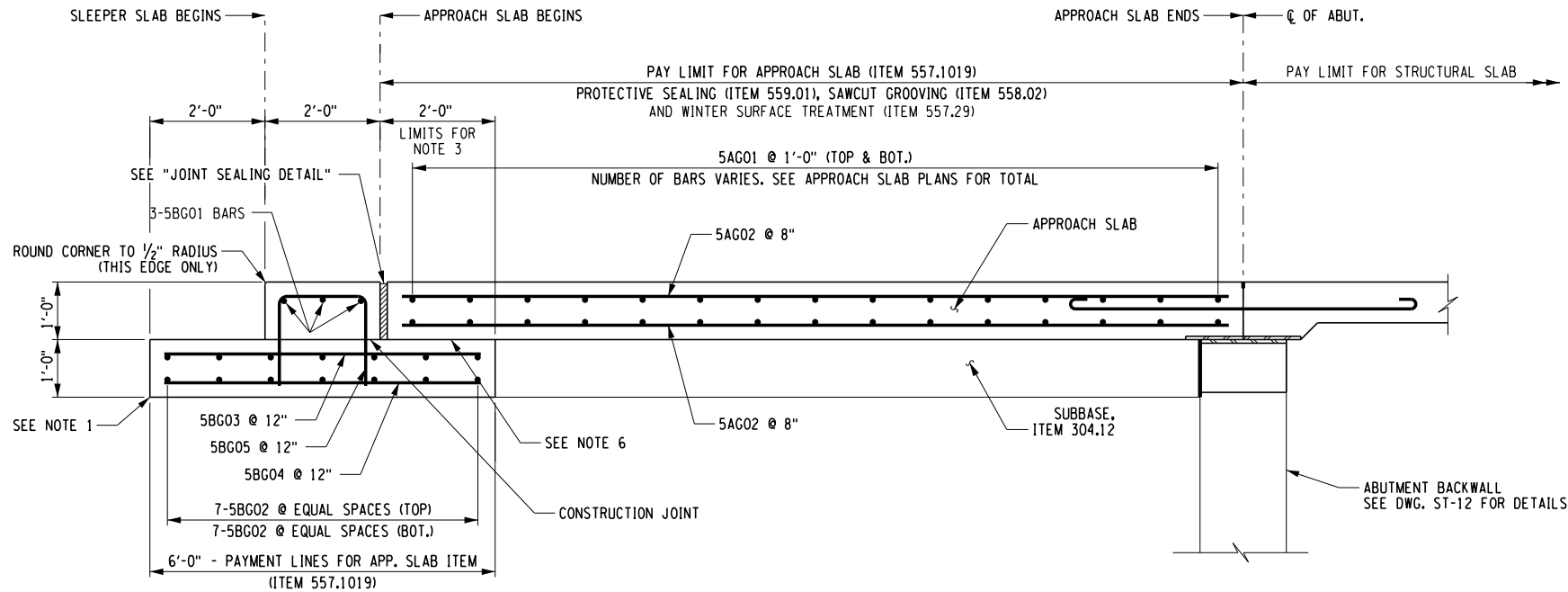
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

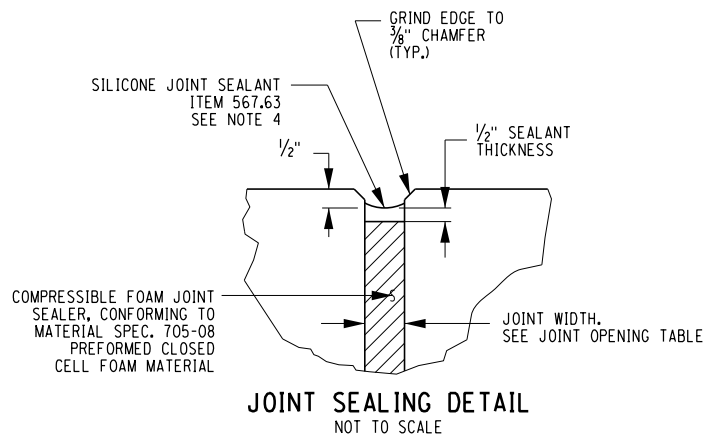
CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



SECTION A-A
TYPICAL APPROACH SLEEPER SLAB DETAIL
BEGIN ABUTMENT SHOWN, END ABUTMENT SIMILAR
NOT TO SCALE



1. EXCAVATION FOR SLEEPER SLABS SHALL BE CAREFULLY MADE AFTER COMPACTED ABUTMENT EMBANKMENT IS IN PLACE. THE SLEEPER SLABS SHALL BE FOUNDED ON UNDISTURBED COMPACT MATERIAL OR RE-COMPACTED MATERIAL. NO LOOSE BACKFILL SHALL BE ALLOWED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE SLEEPER SLAB FROM TEMPORARY LOADINGS OR ANY CONDITION WHICH COULD CAUSE MOVEMENTS OR UNEVEN SETTLEMENT OF THE SLEEPER SLAB.
2. TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF SLAB, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE ROADWAY GRADE AND CROSS SLOPE. POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SPECIFICATION SUBSECTION 711-04 SHALL BE PLACED ON THE FINISHED SUBBASE COURSE THE FULL WIDTH OF THE APPROACH SLAB PRIOR TO PLACEMENT OF THE REINFORCEMENT. THE CURING COVERS SHALL BE .004 in. THICK, AND LAPS SHALL BE 2 ft. MINIMUM.
3. TOP OF SLEEPER SLABS SHALL BE STEEL TROWEL FINISHED AND COATED WITH A 0.04 in. NOMINAL THICKNESS OF PERFORMANCE GRADE ASPHALT AS INDICATED IN THE PROPOSAL, OR MATERIAL SPECIFICATION 702-3101. THE TOP OF SLEEPER SLABS SHALL FOLLOW THE CROSS SLOPE AND GRADE OF ROADWAY. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
4. FILL THE RECESS WITH A STRUCTURAL JOINT PREFORMED SEAL MATERIAL FROM THE NYSDOT MATERIALS APPROVED LIST. THE JOINT SEAL SHALL HAVE AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS "MIN. SEAL WIDTH" IN THE TABLE SHOWN ON THIS SHEET. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURER'S COMPRESSION LIMITS AT THE "MINIMUM OPENING" NOTED IN THE TABLE.
5. TOP SURFACES OF STRUCTURAL SLABS, APPROACH SLABS AND EXPOSED TOP SURFACES OF SLEEPER SLABS SHALL BE GROOVED UNDER THE SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE ITEM.
6. COMPRESSED SYNTHETIC SHEET GASKET (TREATED BOTH SIDES), MATERIAL SPECIFICATION 728-06, TWO 0.06 in. THICK SHEETS. PRICE WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
7. ALL REINFORCEMENT SHALL HAVE 3 in. COVER UNLESS OTHERWISE NOTED.

BEGIN ABUTMENT

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

NOTES:
MIN. OPENING (IN.) = 1.5
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 3
TOTAL MOVEMENT (IN.) = 1.5

END ABUTMENT

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

NOTES:
MIN. OPENING (IN.) = 1.75
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 3.25
TOTAL MOVEMENT (IN.) = 1.5

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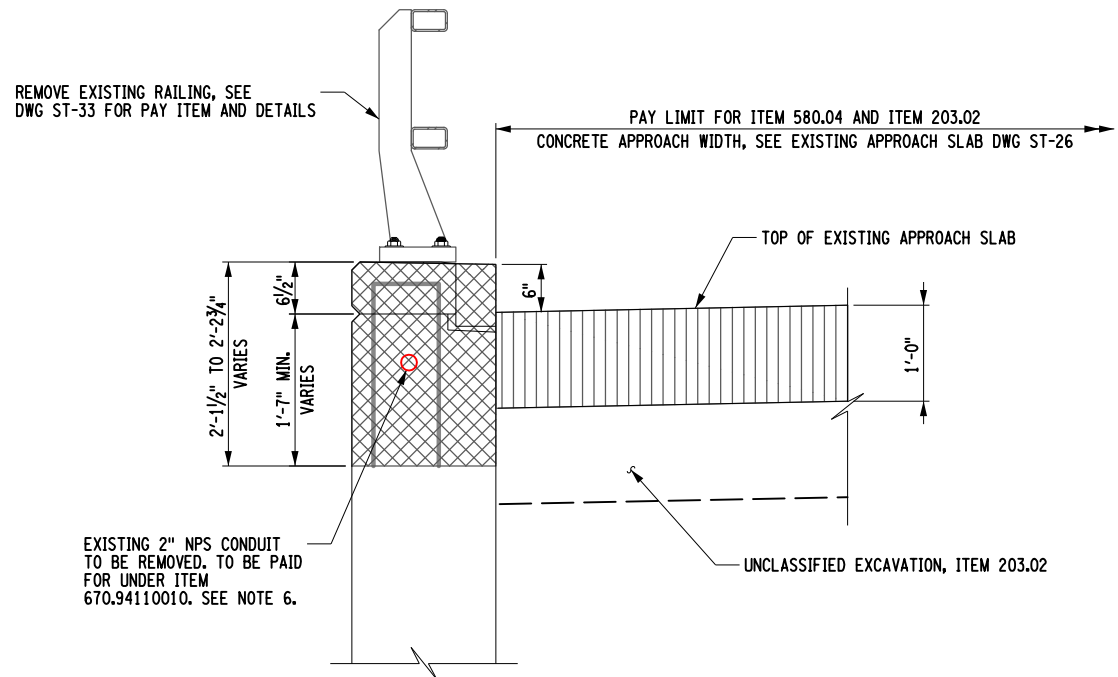
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DATE	DESCRIPTION	BY	SYM.



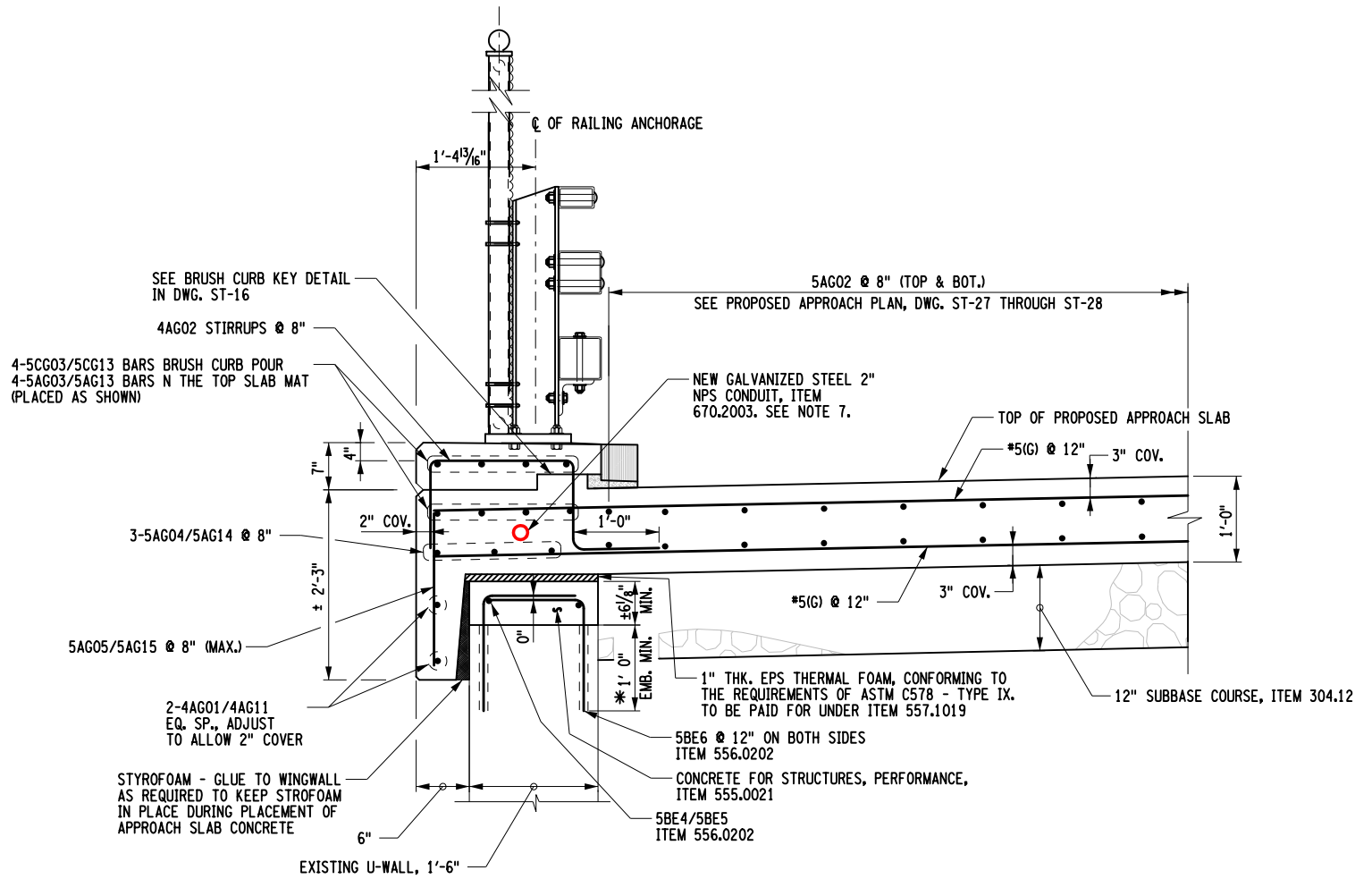
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Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING JOINTLESS DETAILS	DRAWING NUMBER: ST-29

CHECKED BY: P. MULKERN
DRAFTED BY: L. TAN
CHECKED BY: B. WARTHUNG
DESIGNED BY: P. MULKERN
DESIGN SUPERVISOR: D. LIVERMORE



EXISTING WINGWALL REMOVAL DETAIL
NOT TO SCALE



TYPICAL WINGWALL ANCHORAGE DETAIL
BEGIN ABUTMENT SHOWN, END ABUTMENT SIMILAR
NOT TO SCALE

- NOTES:
- FOR BRUSH CURB KEYWAY DETAIL, SEE DWG. ST-16.
 - EXISTING VERTICAL REINFORCEMENT IN THE BACKWALL AS WELL AS THE WINGWALL SHALL BE CUT AND GROUND FLUSH AT THE REMOVAL ELEVATION.
 - * THE EMBEDMENT DEPTH SHOWN ON THE PLANS FOR ITEM 586.0201 IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL EMBEDMENT DEPTH SHALL BE CALCULATED BY A LICENSED NYS PROFESSIONAL ENGINEER AND PROVIDED BY THE CONTRACTOR, BASED ON THE SIZE OF THE BAR, THE SPACING OF THE BAR, ESTIMATED CONCRETE STRENGTH AND THE CHOSEN GROUT SUPPLIER'S RECOMMENDATIONS. THE EMBEDMENT DEPTH CALCULATED SHALL BE SUBMITTED TO DCES FOR APPROVAL.
 - FOR REMOVAL AND RECONSTRUCTION HEIGHT OF THE U-WALL, SEE BEGIN AND END ABUTMENT PLAN AND ELEVATION IN DWG. ST-06 THROUGH ST-07 AND ST-10 THROUGH ST-11.
 - FOR APPROACH SLAB PLAN, SEE DWG. ST-27 AND ST-28.
 - THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR THE REMOVAL AND RE-INSTALLATION OF THE LIGHT POLE. SEE UTILITY NOTES IN DWG. BGN-01 FOR ADDITIONAL INFORMATION.
 - NEW ITEM 670.2003 CONDUIT SHALL BE INSTALLED IN THE DECK FASCIA AS SHOWN PER PLAN, STARTING AT STA. 72+69.50, AND SHALL EXTEND TO THE EXISTING NORTHWEST UTILITY MANHOLE. SEE DWG ST-02.

ITEM 586.0201 (EA) DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	
WEST ABUTMENT (U-WALL)	72
EAST ABUTMENT (U-WALL)	72

- ITEM 580.01 - REMOVAL OF STRUCTURAL CONCRETE
- ITEM 580.04 REMOVAL OF CONCRETE APPROACH SLAB

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DATE	DESCRIPTION	BY	SYM.

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	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING PROPOSED APPROACH SLAB RAILING SECTION		DRAWING NUMBER: ST-30

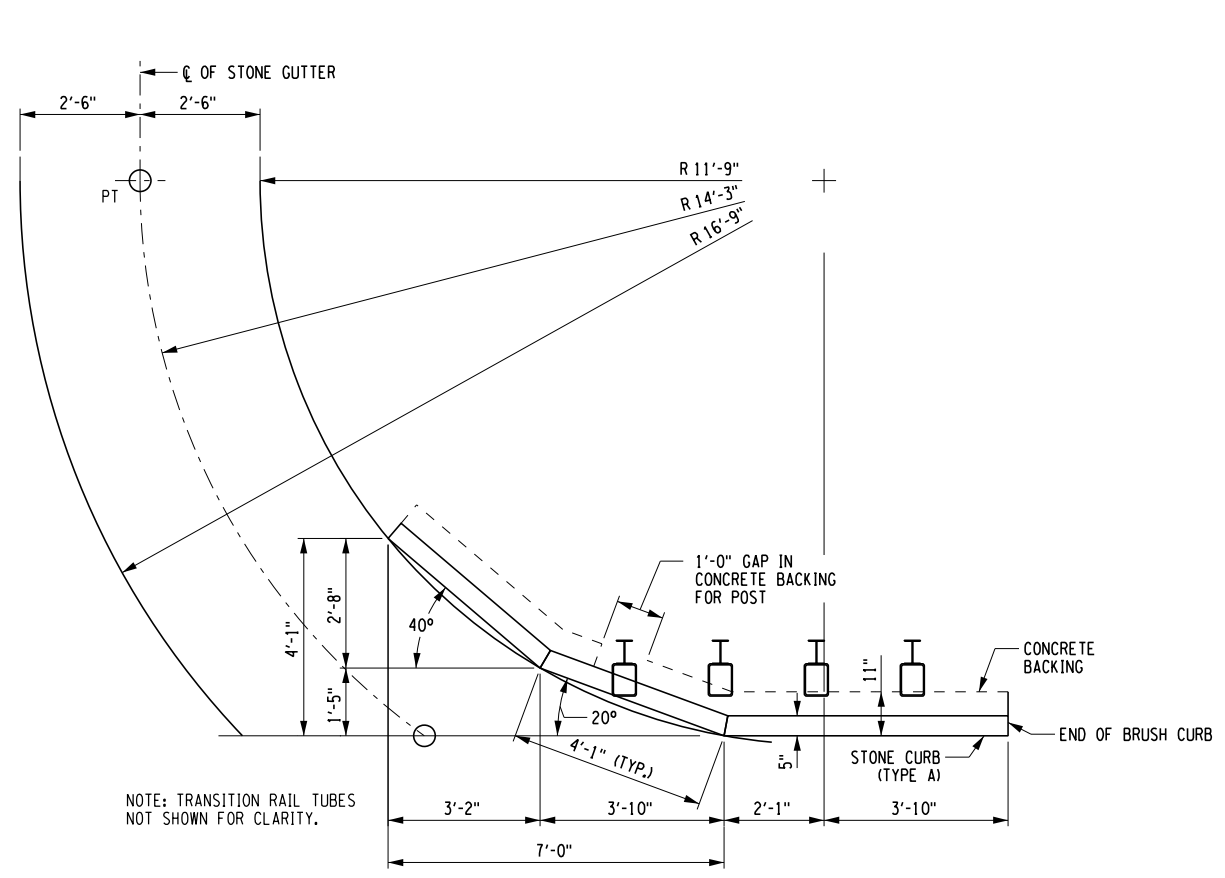
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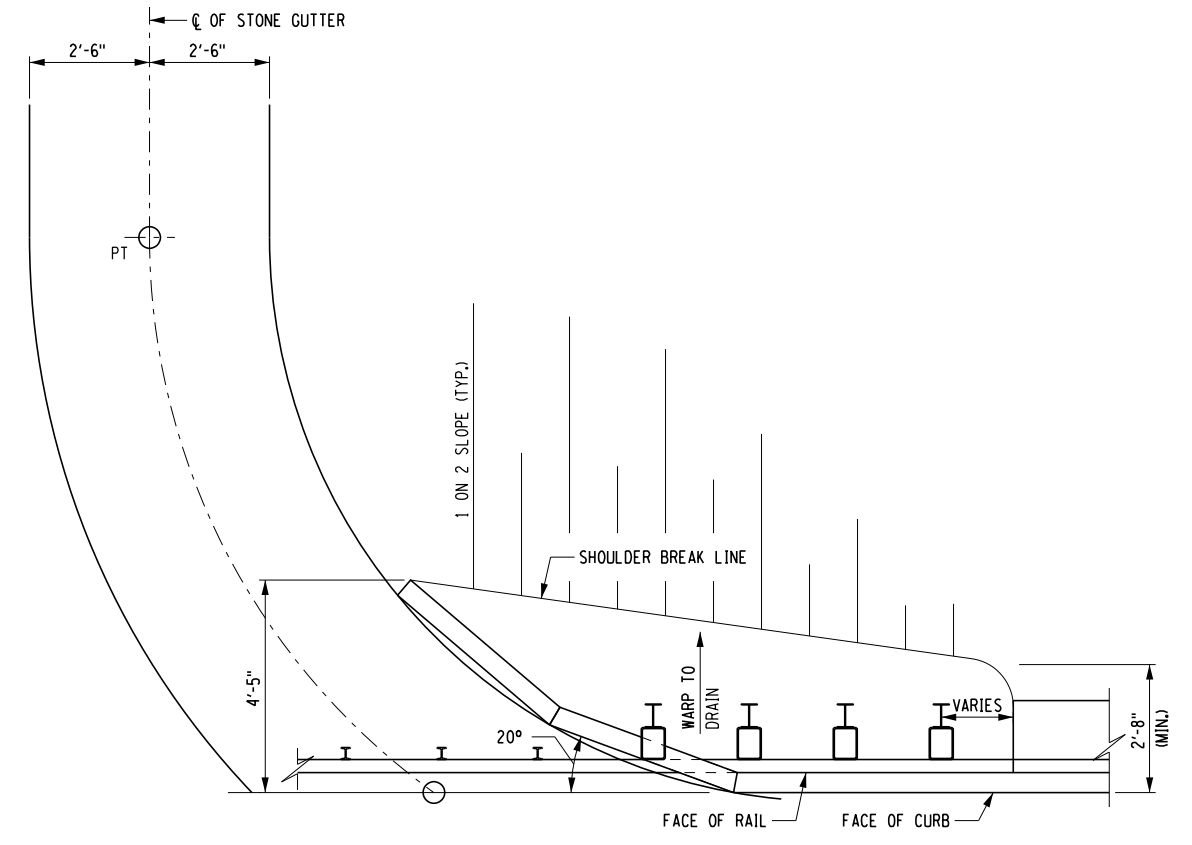
CHECKED BY: B. WARTHING

DESIGNED BY: P. MULKERN

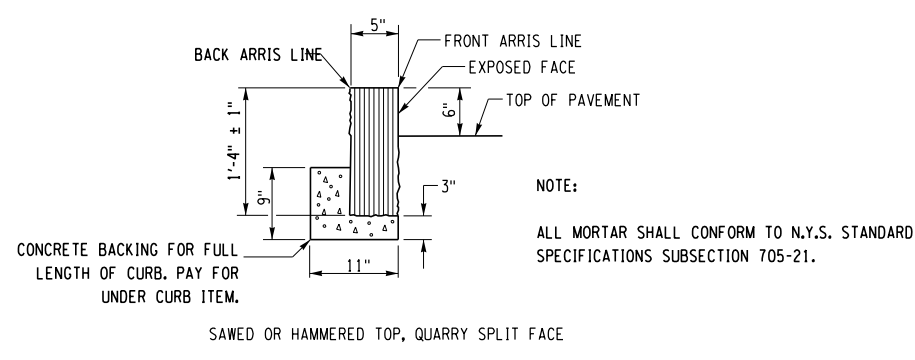
DESIGN SUPERVISOR: D. LIVERMORE



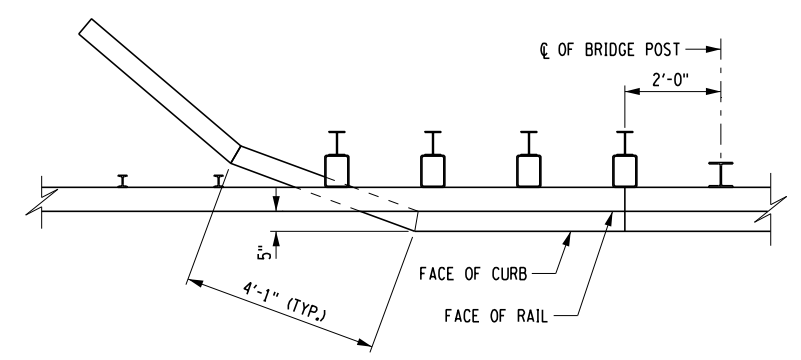
LAYOUT OF DRAINAGE CURBING AND STONE GUTTER
(NOT TO SCALE)



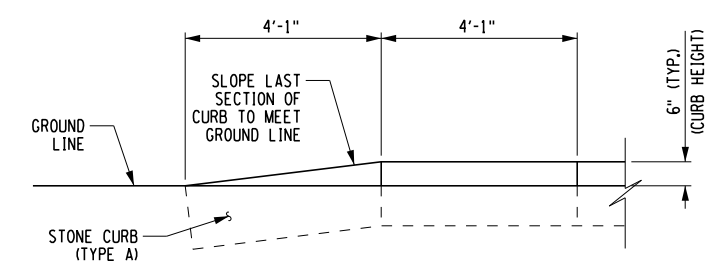
DRAINAGE FOR IN-LINE WINGWALL WITH STEEL RAILING
(NOT TO SCALE)



SECTION OF GRANITE BRIDGE CURB - TYPE A
ITEM 609.0301
(NOT TO SCALE)



DRAINAGE CURB OFFSET FOR STEEL RAILING WITH BRUSH CURB
(NOT TO SCALE)



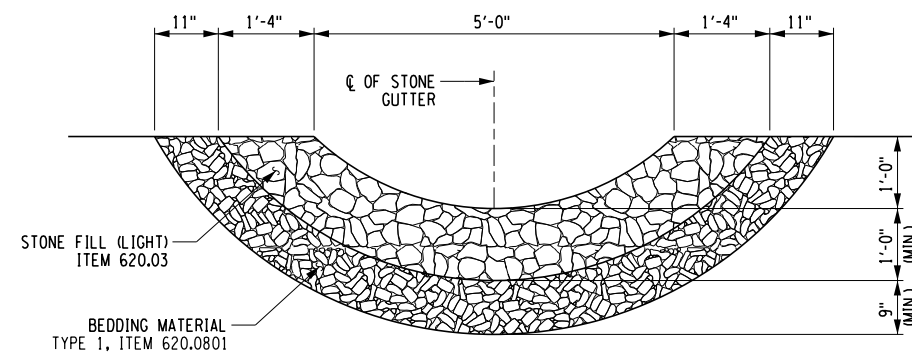
ELEVATION OF CURB TAPER
(NOT TO SCALE)

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

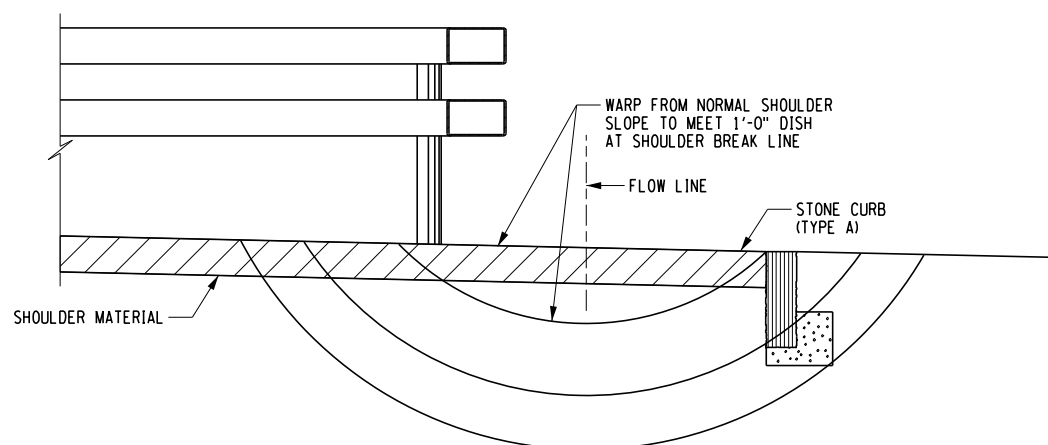
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING APPROACH DRAINAGE DETAILS (SHEET 1 OF 2)		DRAWING NUMBER: ST-31



SECTION THRU STONE GUTTER
(NOT TO SCALE)



SECTION B-B
(NOT TO SCALE)

1. FOR DETAILS OF BOX BEAM GUIDE RAIL, SEE CURRENT HIGHWAY STANDARD SHEETS.
2. FOR DETAILS OF BRIDGE RAILING, SEE ST-34 TO ST-37.
3. FOR DETAILS OF CURB LAYOUT AND OTHER APPROACH DRAINAGE DETAILS, SEE ST-31 AND ST-32.
4. FOR DETAILS OF STONE CURB (TYPE A), SEE ST-31.

A circular professional seal for Patrick Aloysius Mulhern, a Licensed Professional Engineer in the State of New York. The seal features the state coat of arms in the center, surrounded by the text "STATE OF NEW YORK" at the top and "PATRICK ALOYSIUS MULHERN" below it. At the bottom, it reads "LICENSED PROFESSIONAL ENGINEER" and "No. 100594". A signature is written across the bottom half of the seal.

REVISIONS			
DATE	DESCRIPTION	BY	SYM

**Thruway
Authority**

DRAWING NUMBER:
ST-32

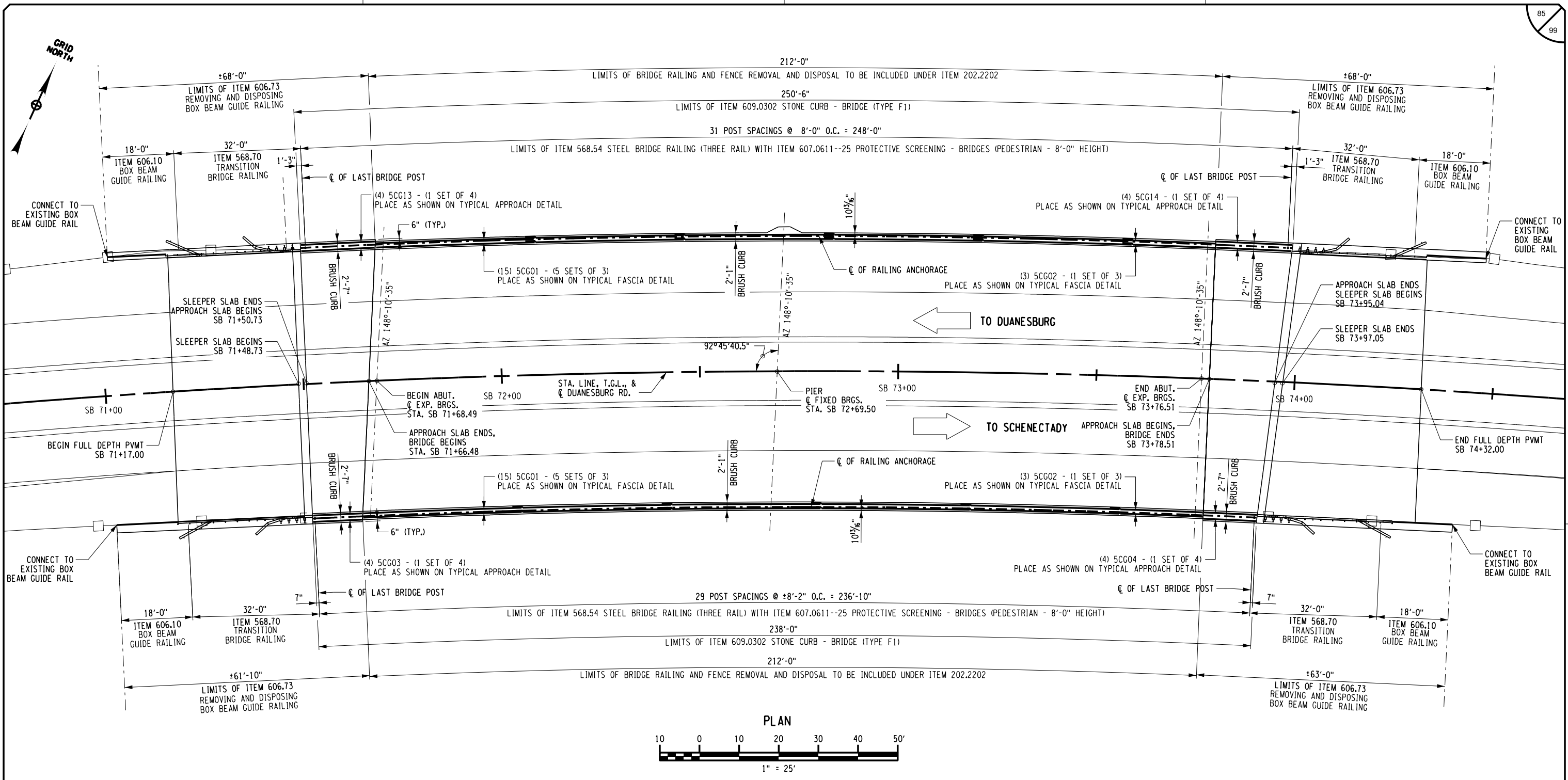
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHLING

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



BRIDGE RAILING QUANTITY TABLE:

ITEM NO.	DESCRIPTION	QTY.	UNITS
568.54	STEEL BRIDGE RAILING (THREE RAIL)	485	LF
568.70	TRANSITION BRIDGE RAILING	128	LF
606.10	BOX BEAM GUIDE RAILING	72	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	261	LF
607.0611--25	PROTECTIVE SCREENING - BRIDGES (PEDESTRIAN - 8'-0" HEIGHT)	485	LF
609.0302	STONE CURB - BRIDGE (TYPE F1)	489	LF

NOTES:

1. THE QUANTITIES SHOWN ON THIS SHEET IS FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE ACTUAL LENGTH PRIOR TO THE START OF CONSTRUCTION WORK.

ALTERED ON:

AFFIXED ON:
08/06/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
PATRICK ALOISIUS MULKERN
No. 100594
LICENSED PROFESSIONAL ENGINEER

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE
Thruway Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

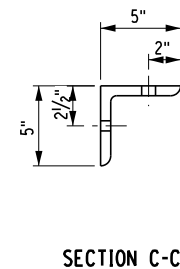
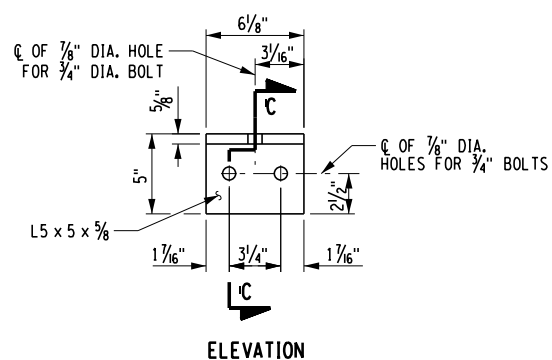
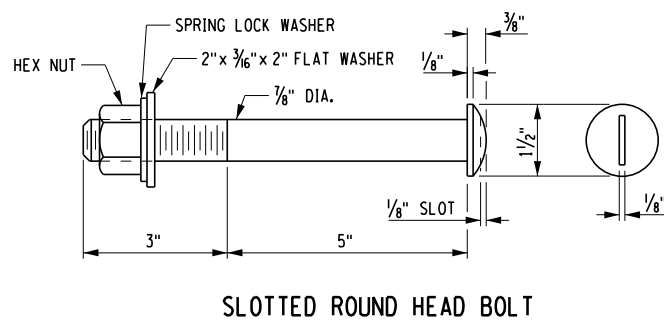
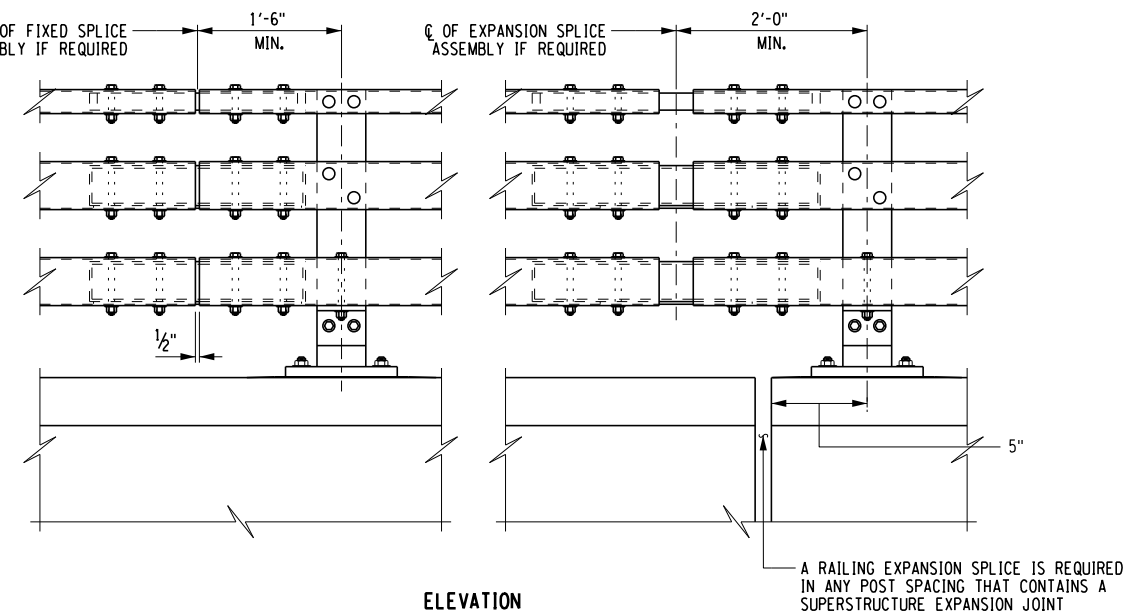
LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
PROPOSED
RAILING LAYOUT PLAN

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
ST-33



RAILING ANGLE DETAILS

NOTES:

ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.

PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF $\frac{1}{16}$ ".

BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 100 ft-lb.).

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM

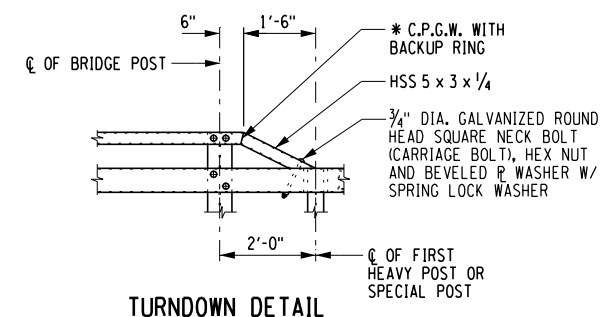
**Thruway
Authority**

TITLE OF PROJECT	MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT	ALBANY DIVISION M.P. 158.54

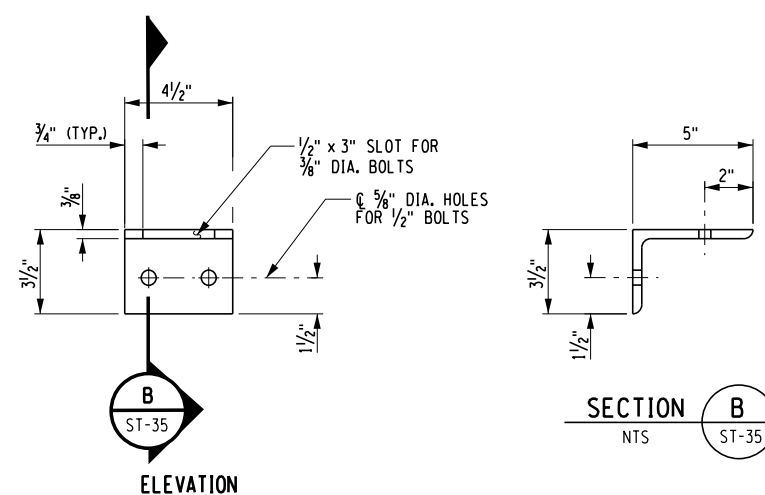
TITLE OF DRAWING	STEEL BRIDGE RAILING DETAILS
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CONTRACT NUMBER:	TAA 25-22B
DATE:	08/06/2025
DRAWING NUMBER:	ST-34

DESIGN SUPERVISOR • D. LIVERMORE



PLAN



SHELF ANGLE DETAILS

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM

**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY		CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54		DATE: 08/06/2025
TITLE OF DRAWING PROPOSED RAIL TRANSITION DETAILS (SHEET 1 OF 3)		DRAWING NUMBER: ST-35

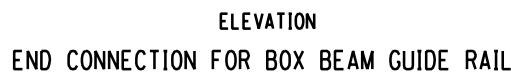
NOTES:

NOTE "A":
THE COST OF THE POSTS, SPLICE TUBE AND RAIL OR THE TURNBACK
IS INCLUDED IN THE PRICE BID FOR TRANSITION ITEM 568.70.

* C.P.G.W. = COMPLETE PENETRATION GROOVE WELD.

ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.

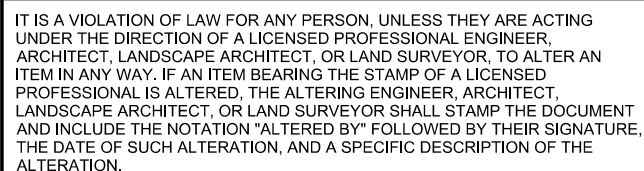
DESIGN SUPERVISOR: D. LIVERMORE



1. HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.
2. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

08/06/2025

SIGNATURE:
STAMP:

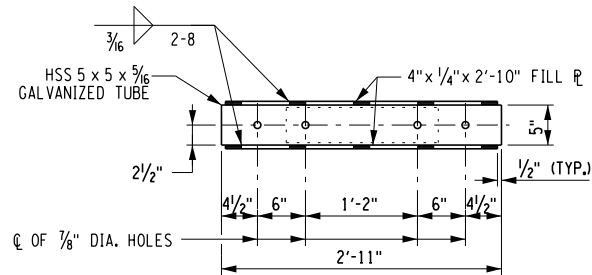


REVISIONS			
DATE	DESCRIPTION	BY	SYM

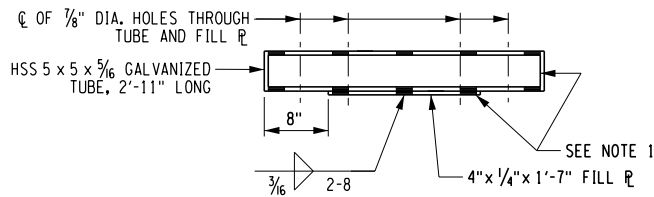
**Thruway
Authority**

TITLE OF DRAWING
STEEL BRIDGE RAILING TO BOX BEAM TRANSITION DETAILS (SHEET 2 OF 3)

DRAWING NUMBER:

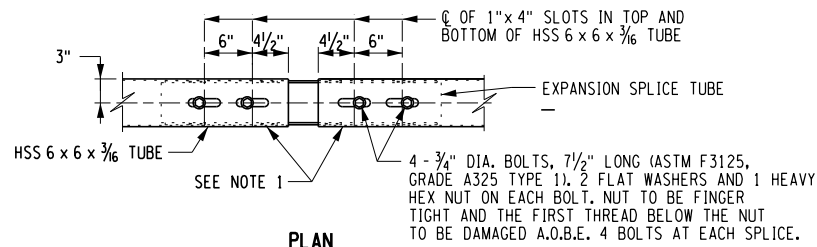


PLAN

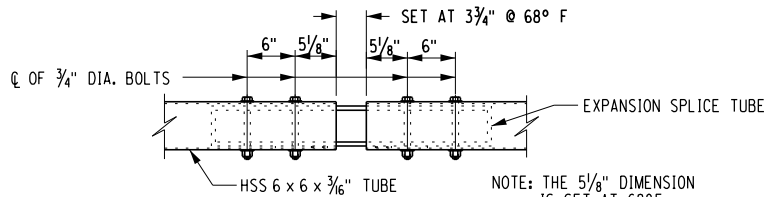


ELEVATION

EXPANSION SPLICE TUBE

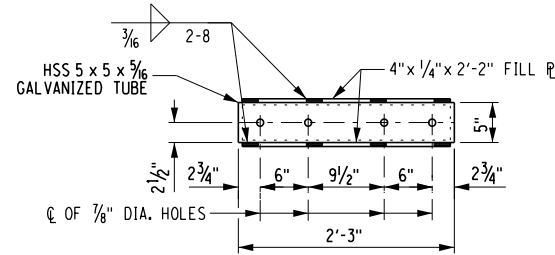


PLAN

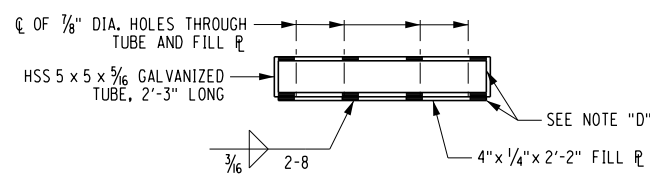


ELEVATION

EXPANSION SPLICE ASSEMBLY

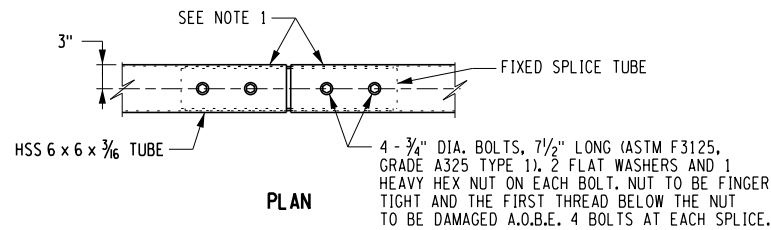


PLAN

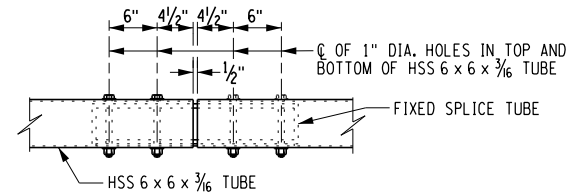


ELEVATION

FIXED SPLICE TUBE

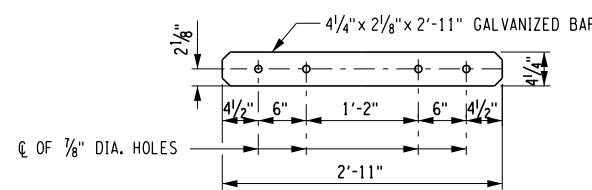


PLAN

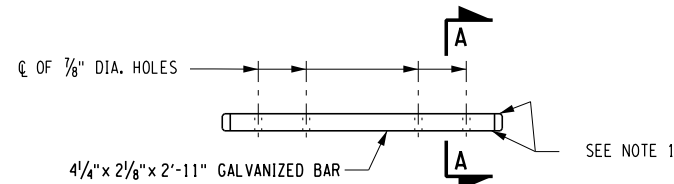


ELEVATION

FIXED SPLICE ASSEMBLY

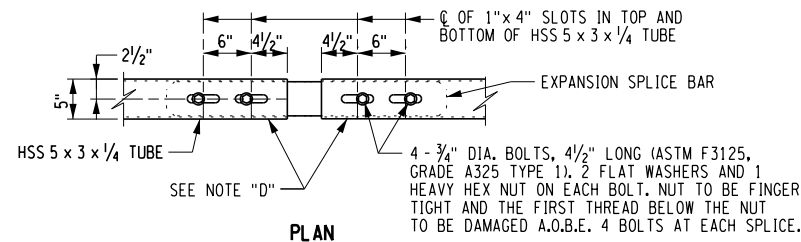


PLAN

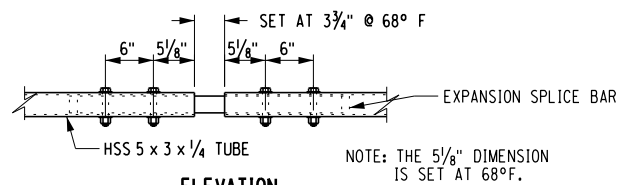


ELEVATION

EXPANSION SPLICE BAR

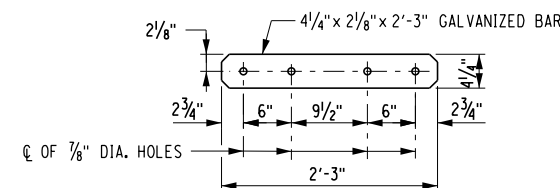


PLAN

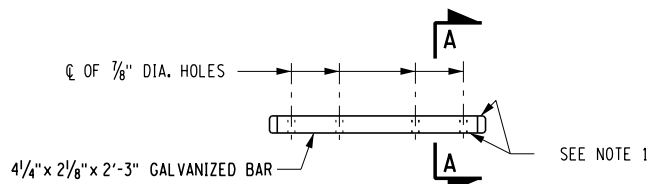


ELEVATION

EXPANSION SPLICE ASSEMBLY

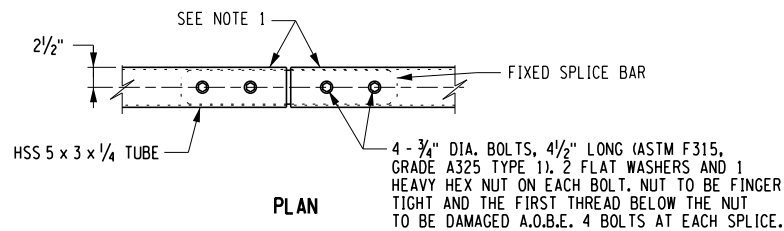


PLAN

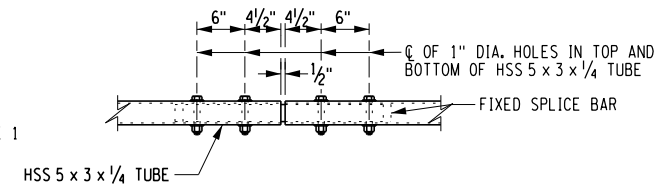


ELEVATION

FIXED SPLICE BAR

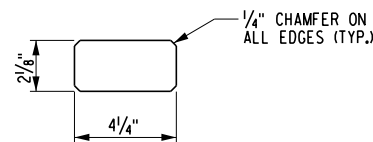


PLAN



ELEVATION

FIXED SPLICE ASSEMBLY



SECTION A-A

NOTES:

1. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

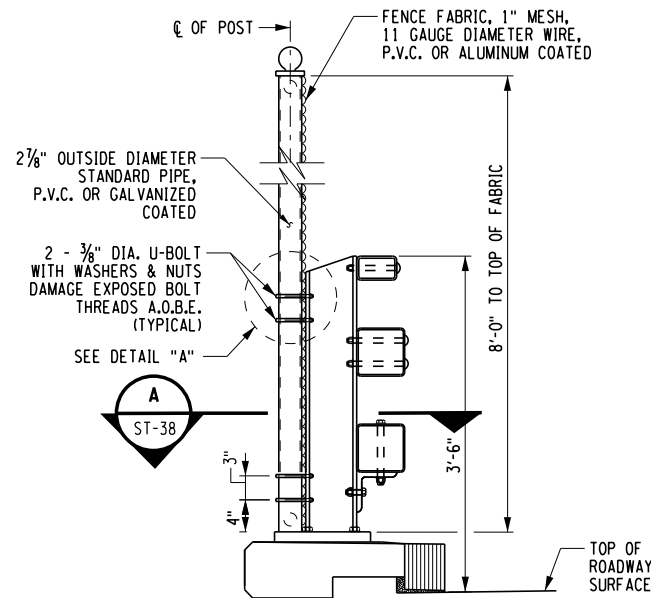
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DATE	DESCRIPTION	BY	SYM.



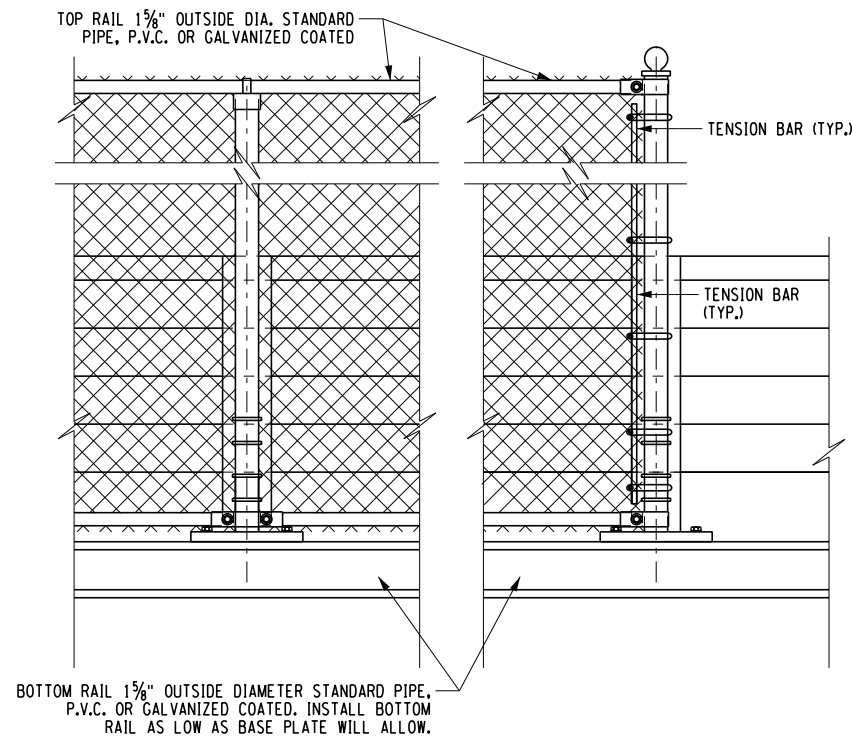
Thruway
Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING STEEL BRIDGE RAILING TO BOX BEAM TRANSITION (SHEET 3 OF 3)	DRAWING NUMBER: ST-37



TYPICAL SECTION

PEDESTRIAN FENCE POST ATTACHMENT
TO THREE-RAIL RAILING

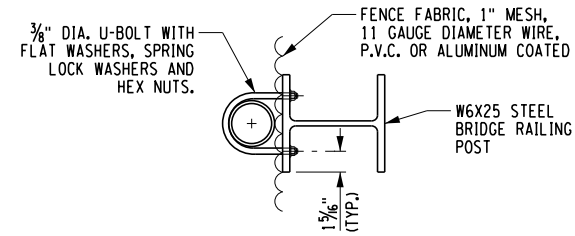


ELEVATION
INTERIOR POST

ELEVATION
END POST

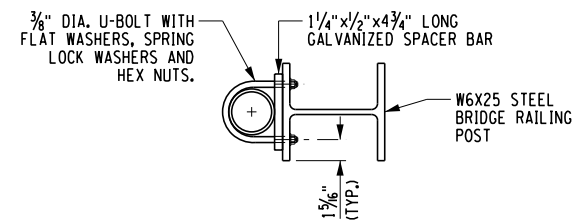
ITEM 607.0611--25 PROTECTIVE SCREENING - BRIDGES (PEDESTRIAN - 8'-0" HEIGHT)			
LOCATION	BEGIN STA.	END STA.	QUANTITY (LF)
LEFT FASCIA	71+51.98	73+99.98	248
RIGHT FASCIA	71+51.31	73+88.15	237

NOTE: STATIONS ARE APPROXIMATE AND SHALL BE FIELD
VERIFIED.



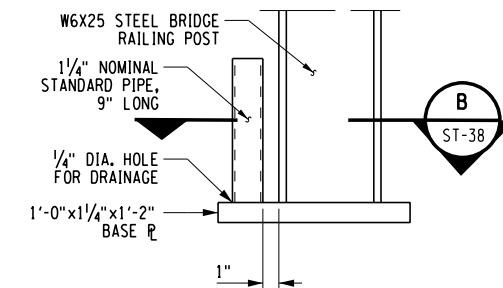
SECTION A
NTS ST-38

(INTERIOR POSTS)

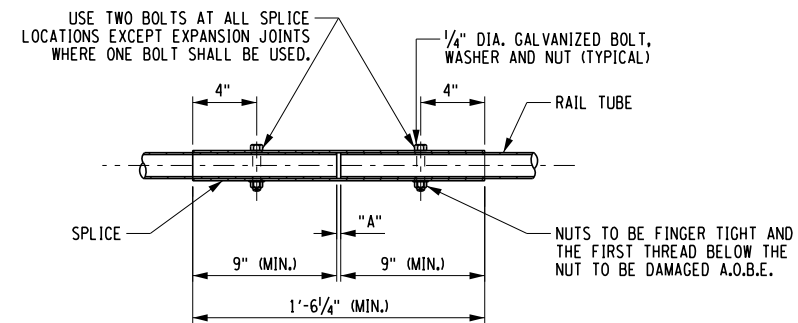


SECTION A
NTS ST-38

(END POSTS)

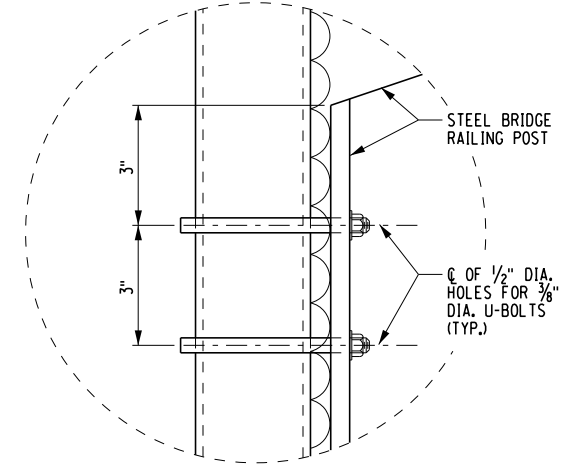


MODIFIED BASE PLATE ELEVATION

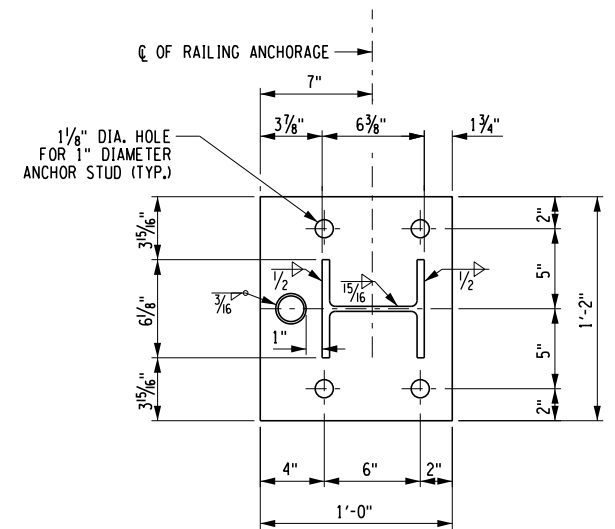


NOTE:
"A" = 1/4" EXCEPT FOR EXPANSION JOINT LOCATIONS WHERE THIS DIMENSION
SHALL BE SET EQUAL TO THE BRIDGE DECK JOINT OPENING PLUS 1/4" (MIN.)

TYPICAL RAIL SPLICE DETAIL
(TOP & BOTTOM RAIL)



DETAIL "A"



SECTION B
NTS ST-38

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

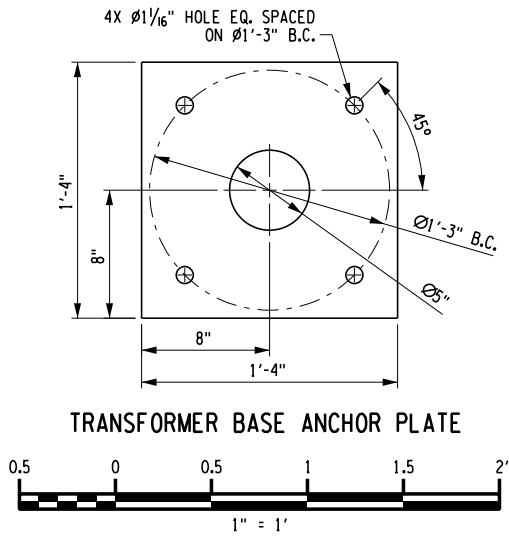
	TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
	LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING PROPOSED BRIDGE FENCING DETAILS		DRAWING NUMBER: ST-38

LEGEND

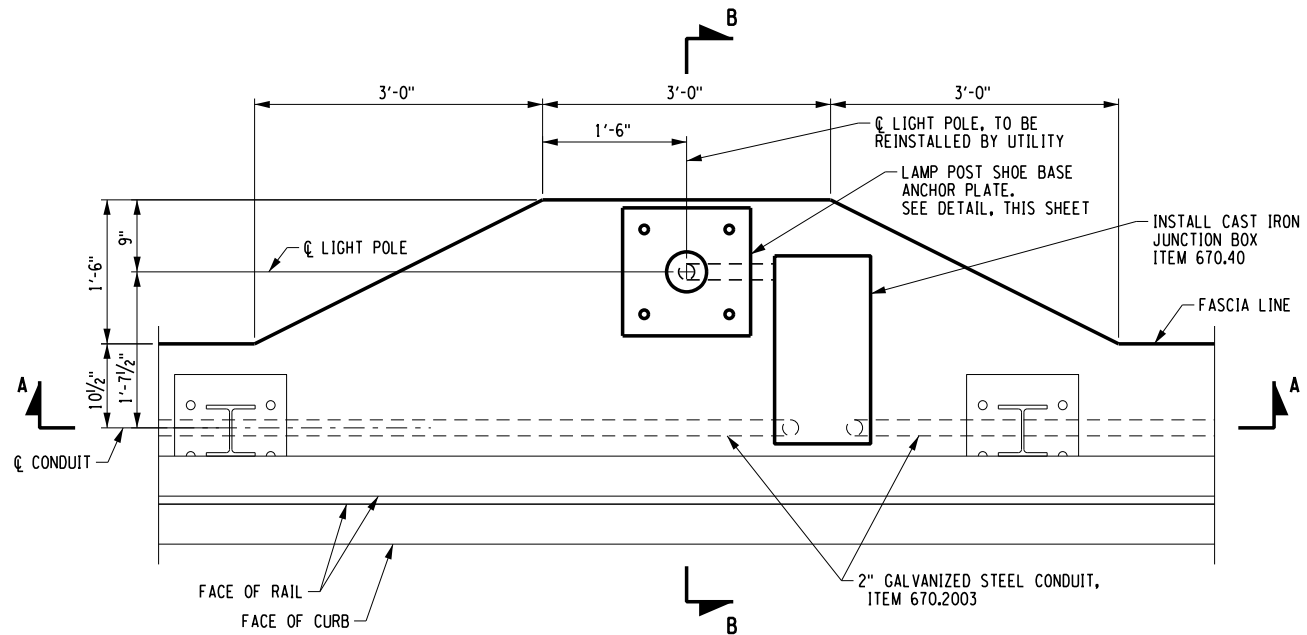
B.C. BOLT CIRCLE

NOTES

- FOR ADDITIONAL LIGHTING DETAILS, SEE N.Y.S. STANDARD SHEET 670-02.
- TRANSFORMER BASE SHALL BE DESIGNED TO BE ATTACHED TO 1" DIA. ANCHOR BOLTS ON A 1'-2" TO 1'-3 1/2" DIAMETER BOLT CIRCLE.
- ANCHOR BOLTS AND STUDS SHALL CONFORM TO THE N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 723-60. THE ADDITIONAL REINFORCEMENT (STIRRUPS) SHALL BE GALVANIZED COATED BAR REINFORCEMENT FOR STRUCTURES, ITEM 556.0203.
- FOR TYPICAL DECK REINFORCEMENT, SEE DWG. ST-24.
- EXISTING WIRING, CONDUIT, AND JUNCTION BOX WITHIN THE EXISTING DECK ARE TO BE REMOVED AND PAID UNDER ITEM 670.94110010, DURING DECK REMOVAL OPERATIONS, STAGE 2.

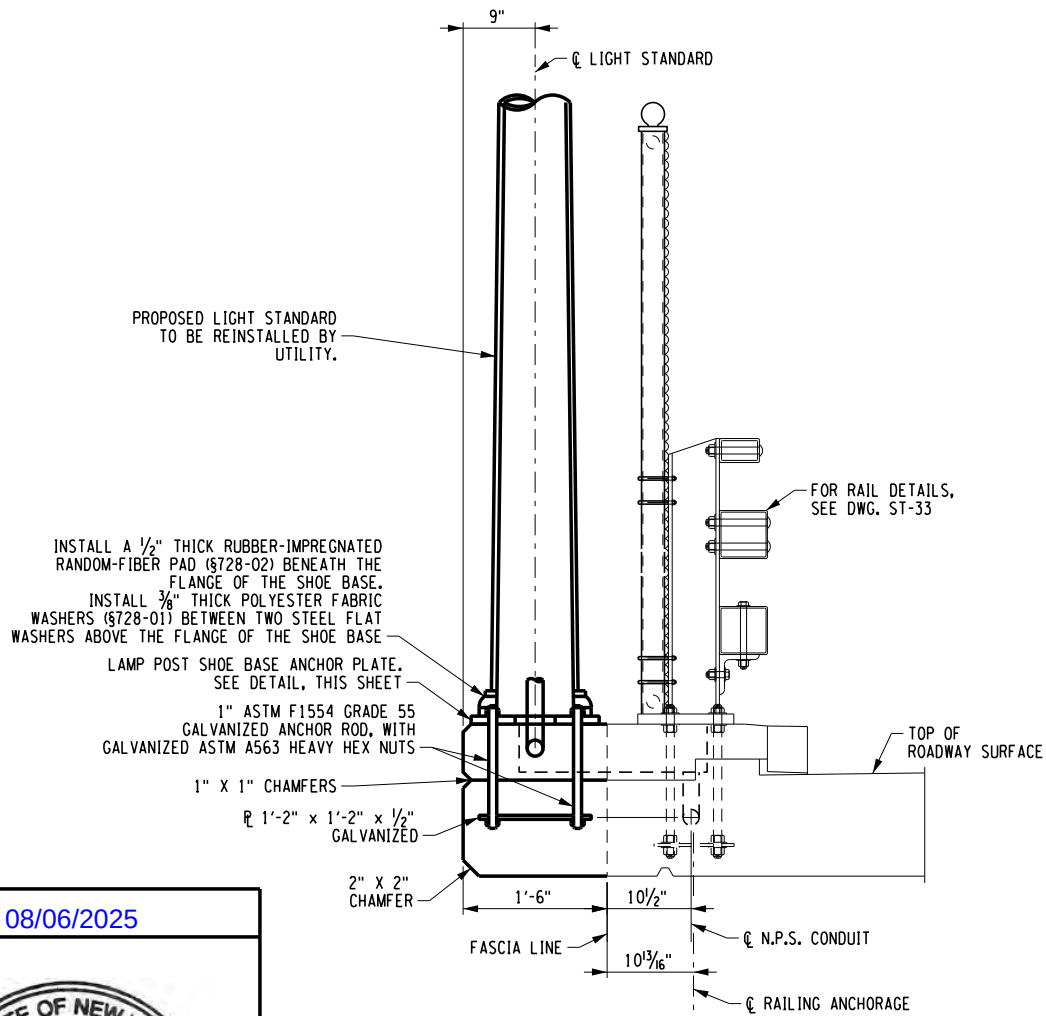


TRANSFORMER BASE ANCHOR PLATE



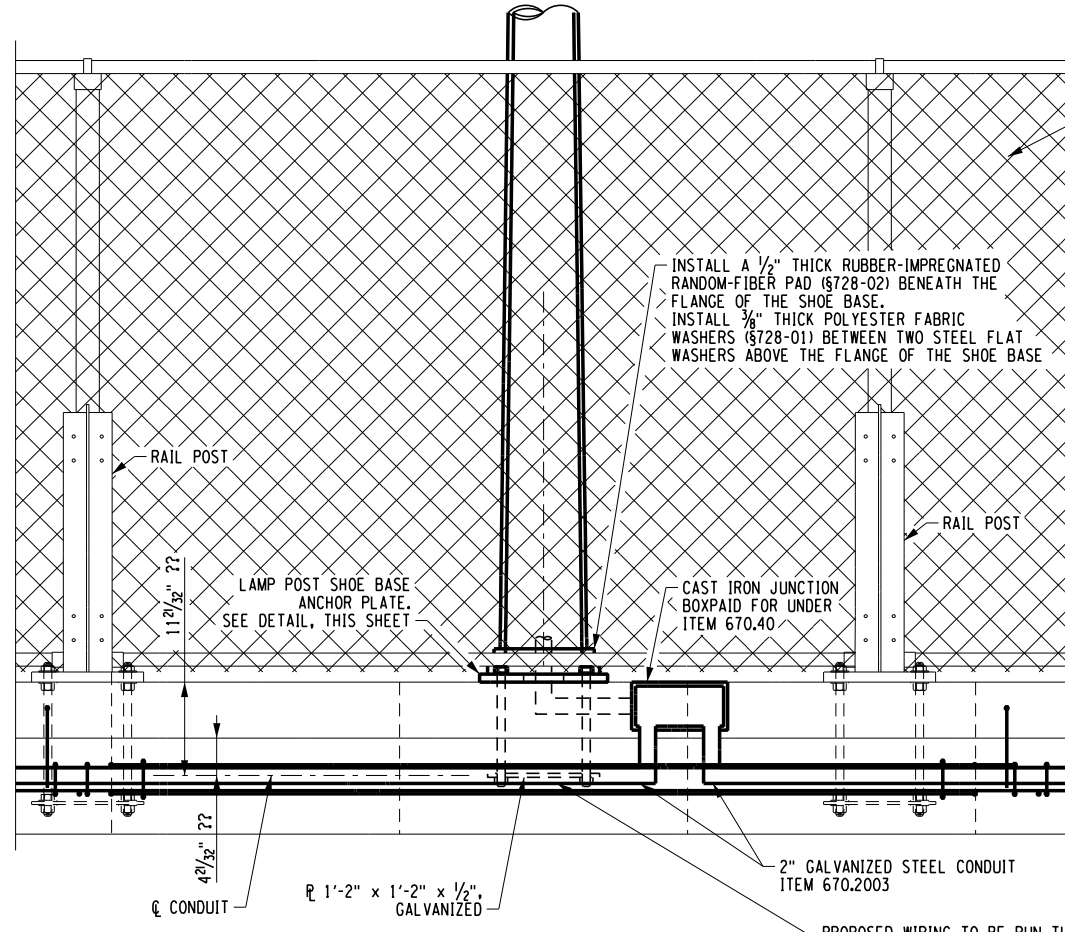
PLAN AT LIGHT POLE

SCALE: 1" = 2'-0"

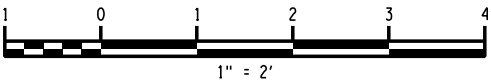


SECTION B-B

SCALE: 1" = 2'-0"



SECTION A-A



PROPOSED PROTECTIVE SCREENING BRIDGES (PEDESTRIAN - 8'-0" HEIGHT), ITEM 607.0611-25. SEE DWG ST-38 FOR DETAILS.

PROPOSED WIRING TO BE RUN THROUGH PROPOSED CONDUIT AND INSTALLED FOR RECONNECTING EXISTING LIGHT STANDARD, ITEMS 670.7004 & 670.7501. CONNECTION TO LIGHT STANDARD TO BE DONE BY UTILITY.

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

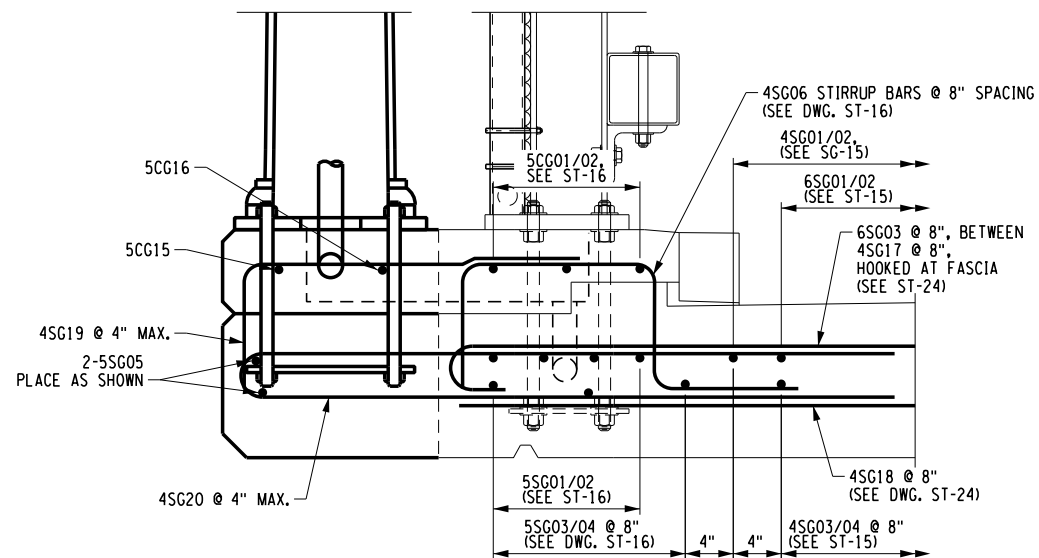
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Thruway
Authority

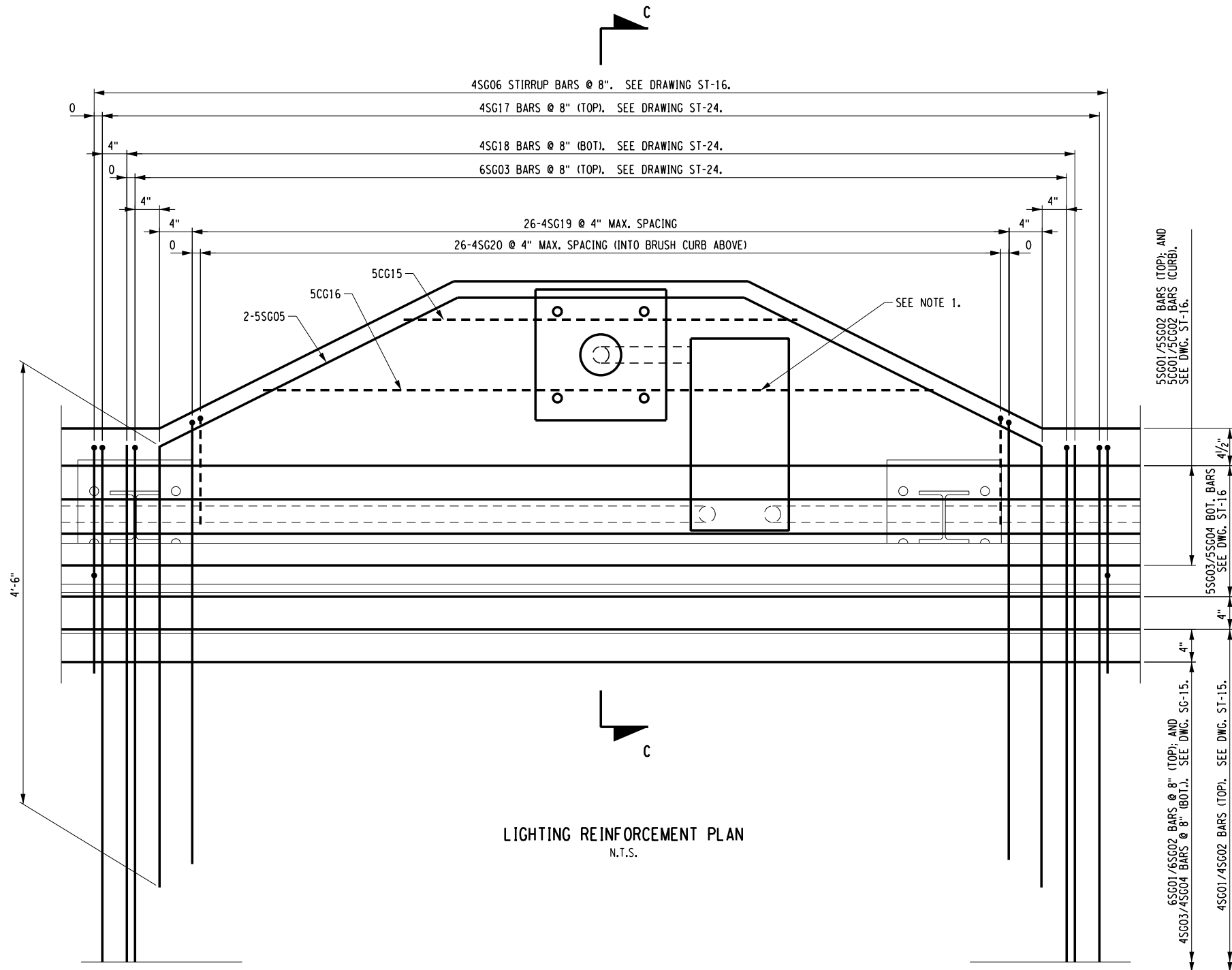
TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING BRIDGE DECK ATTACHMENT FOR LIGHT POLE DETAILS	DRAWING NUMBER: ST-39



LIGHTING REINFORCEMENT SECTION C-C
N.T.S.

NOTES

1. THE JUNCTION BOX SHALL BE CAST INTO THE CONCRETE BRUSH CURB, AND THE REINFORCEMENT BAR SHALL BE FIELD-CUT TO FIT.
2. ALL REINFORCEMENT SHALL HAVE 2 in. COVER UNLESS OTHERWISE NOTED.



LIGHTING REINFORCEMENT PLAN
N.T.S.

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM

**Thruway
Authority**

TITLE OF PROJECT	MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY
LOCATION OF PROJECT	ALBANY DIVISION M.P. 158.54

TITLE OF DRAWING
BRIDGE DECK ATTACHMENT
FOR LIGHT POLE
REINFORCEMENT DETAILS

CONTRACT NUMBER:
TAA 25-22B

DATE: 08/06/2025

DRAWING NUMBER:
ST-40

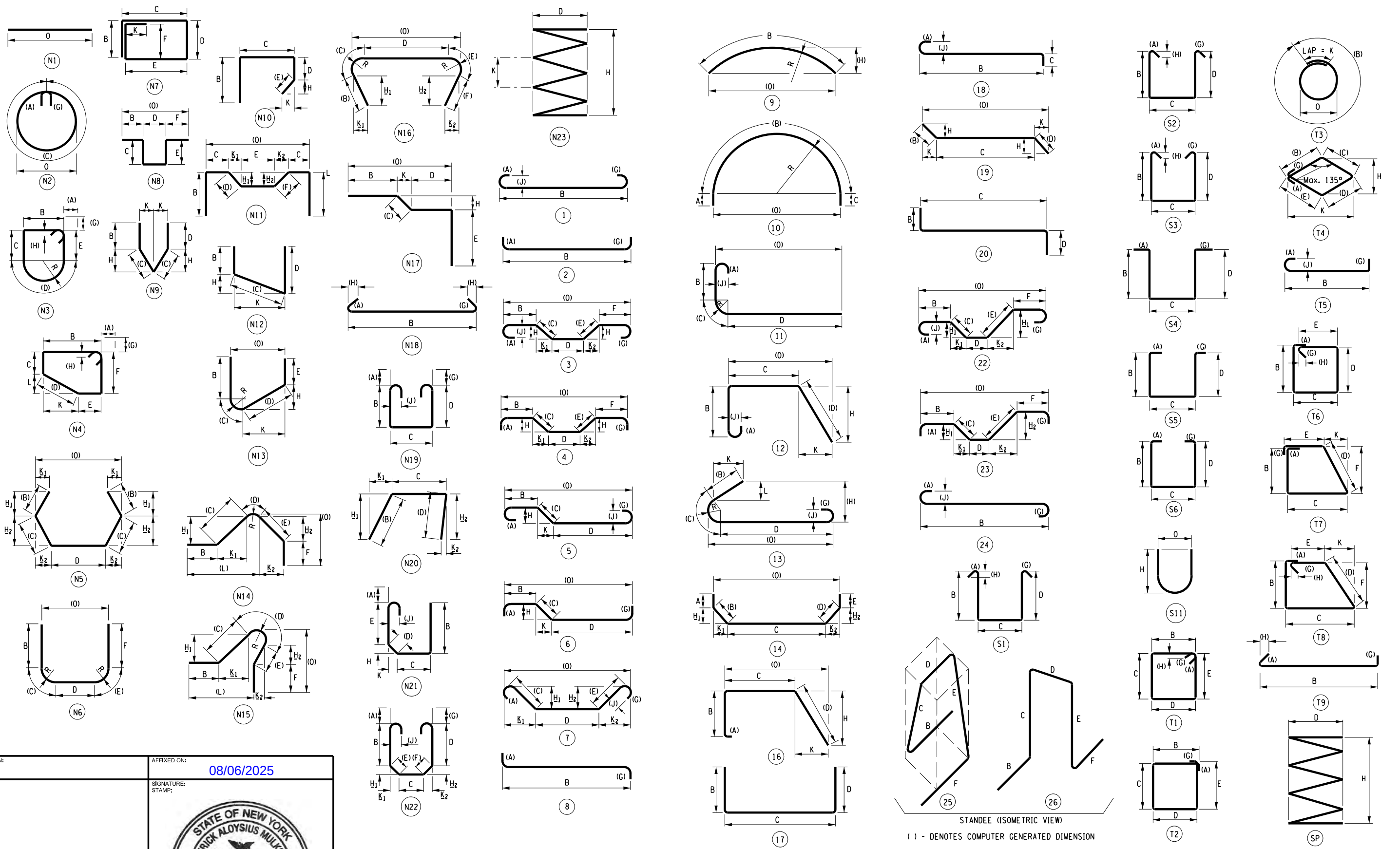
CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE



STANDEE (ISOMETRIC VIEW)
() - DENOTES COMPUTER GENERATED DIMENSION

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:
08/06/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

Thruway Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
BAR BENDING DIAGRAM

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
ST-41

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

MARK	QTY.	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R	REMARKS
BEGIN ABUTMENT																					
BACKWALL - STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5BE1 *	4	5	37'-4"	N1	155.8														37'-4"		SEE NOTE.
5BE3	76	5	2'-11"	N10	231.5		1'-9"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					387.2																
BACKWALL - STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5BE2 *	4	5	29'-7"	N1	123.4														29'-7"		SEE NOTE.
5BE3	62	5	2'-11"	N10	188.8		1'-9"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					312.2																
S.W. WINGWALL - STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5BE4	2	5	13'-7"	N1	28.3														13'-7"		
5BE6	30	5	2'-10"	N10	88.9		1'-8"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					117.2																
N.W. WINGWALL - STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5BE5	2	5	19'-5"	N1	40.5														19'-5"		
5BE6	42	5	2'-10"	N10	124.4		1'-8"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					164.9																
PEDESTAL - STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5PE1	32	5	2'-4"	N10	58.4		1'-10"	1'-6"	0'-0"	0'-0"			0'-0"			0'-0"					
5PE2	4	5	10'-0"	T1	31.3	0'-3"	3'-0"	1'-9"	3'-0"	1'-9"		0'-3"	0'-2"								
SUBTOTAL					119.6																
PEDESTAL - STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5PE1	24	5	2'-4"	N10	77.9		1'-10"	1'-6"	0'-0"	0'-0"			0'-0"			0'-0"					
5PE2	3	5	10'-0"	T1	41.7	0'-3"	3'-0"	1'-9"	3'-0"	1'-9"		0'-3"	0'-2"								
SUBTOTAL					89.7																
TOTAL FOR BEGIN ABUTMENT					1,190.9																
MARK	QTY.	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R	REMARKS
END ABUTMENT																					
BACKWALL - STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5EE1 *	4	5	37'-2"	N1	155.1														37'-2"		SEE NOTE.
5EE3	76	5	2'-11"	N10	231.5		1'-9"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					386.5																

ALTERED ON:

AFFIXED ON:

08/06/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



NOTE:

* INDICATES BAR REQUIRING MECHANICAL CONNECTOR. THE LENGTH OF THE BAR PROVIDED IS MEASURED TO THE STAGE LINE AND DOES NOT ACCOUNT FOR THE LENGTH OF THE MECHANICAL CONNECTOR FOR STAGE 1, OR THE ADDITIONAL THREADED LENGTH INTO THE MECHANICAL CONNECTOR FOR STAGE 2. THE CONTRACTOR SHALL COORDINATE AND FABRICATE THE BAR TO ACCOMMODATE THE MECHANICAL CONNECTOR PER THE MECHANICAL CONNECTOR MANUFACTURER'S REQUIREMENTS

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REVISIONS

DATE	DESCRIPTION	BY	SYMBOL



Thruway
Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
BAR LIST
(SHEET 1 OF 6)

CONTRACT NUMBER:

TAA 25-22B

DATE:

08/06/2025

DRAWING NUMBER:

ST-42

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

MARK	QTY.	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R	REMARKS
END ABUTMENT (CONTINUED)																					
BACKWALL - STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5EE2*	4	5	29'-6"	N1	123.1														29'-6"		SEE NOTE.
5EE3	60	5	2'-11"	N10	182.7		1'-9"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					305.8																
S.E. WINGWALL - STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5EE4	2	5	13'-11"	N1	29.0														13'-11"		
5EE6	30	5	2'-10"	N10	88.9		1'-8"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					117.9																
N.E. WINGWALL - STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5EE5	2	5	19'-11"	N1	41.5														19'-11"		
5EE6	42	5	2'-10"	N10	124.4		1'-8"	1'-2"	0'-0"	0'-0"			0'-0"			0'-0"					
SUBTOTAL					166.0																
PEDESTAL - STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5PE1	32	5	2'-4"	N10	77.9		1'-10"	1'-6"	0'-0"	0'-0"			0'-0"			0'-0"					
5PE2	4	5	10'-0"	T1	41.7	0'-3"	3'-0"	1'-9"	3'-0"	1'-9"		0'-3"	0'-2"								
SUBTOTAL					119.6																
PEDESTAL - STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 556.0202)																					
5PE1	24	5	2'-4"	N10	58.4		1'-10"	1'-6"	0'-0"	0'-0"			0'-0"			0'-0"					
5PE2	3	5	10'-0"	T1	31.3	0'-3"	3'-0"	1'-9"	3'-0"	1'-9"		0'-3"	0'-2"								
SUBTOTAL					89.7																
TOTAL FOR END ABUTMENT					1,185.5																
MARK	QTY.	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R	REMARKS
BEGIN APPROACH SLAB																					
STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 557.1019)																					
4AG01	2	4	12'-0"	N1	16.0														12'-0"		
4AG02	19	4	6'-0"	S1	76.2	0'-0"	2'-4"	1'-8"	1'-0"			1'-0"									
5AG01*	32	5	AVG. 39'-2"	N1	1,307.2														39'-2"		LENGTH VARIES FROM 39'-1" TO 39'-3". SEE NOTE.
5AG02	112	5	AVG. 13'-9½"	N1	1,610.9														13'-9½"		LENGTH VARIES FROM 12'-0" TO 15'-7"
5AG03	4	5	12'-0"	N1	50.1														12'-0"		
5AG04	3	5	12'-0"	N1	37.5														12'-0"		
5AG05	19	5	1'-9"	N1	34.7														1'-9"		
SUBTOTAL					3,132.5																

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:

08/06/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK

PATRICK ALOYSIUS MULKERN

LICENSED PROFESSIONAL ENGINEER

No. 100594

NOTE:
* INDICATES BAR REQUIRING MECHANICAL CONNECTOR. THE LENGTH OF THE BAR PROVIDED IS MEASURED TO THE STAGE LINE AND DOES NOT ACCOUNT FOR THE LENGTH OF THE MECHANICAL CONNECTOR FOR STAGE 1, OR THE ADDITIONAL THREADED LENGTH INTO THE MECHANICAL CONNECTOR FOR STAGE 2. THE CONTRACTOR SHALL COORDINATE AND FABRICATE THE BAR TO ACCOMMODATE THE MECHANICAL CONNECTOR PER THE MECHANICAL CONNECTOR MANUFACTURER'S REQUIREMENTS

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE

Thruway Authority

TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
BAR LIST TABLE
(SHEET 2 OF 6)

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
ST-43

DESIGN SUPERVISOR: D. LIVERMORE

[illegible]

ALTERED ON:	AFFIXED ON: 08/06/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

* INDICATES BAR REQUIRING MECHANICAL CONNECTOR. THE LENGTH OF THE BAR PROVIDED IS MEASURED TO THE STAGE LINE AND DOES NOT ACCOUNT FOR THE LENGTH OF THE MECHANICAL CONNECTOR FOR STAGE 1, OR THE ADDITIONAL THREADED LENGTH INTO THE MECHANICAL CONNECTOR FOR STAGE 2. THE CONTRACTOR SHALL COORDINATE AND FABRICATE THE BAR TO ACCOMMODATE THE MECHANICAL CONNECTOR PER THE MECHANICAL CONNECTOR MANUFACTURER'S REQUIREMENTS

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**Thruway
Authority**

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING BAR LIST TABLE (SHEET 3 OF 6)	DRAWING NUMBER: ST-44

DESIGN SUPERVISOR: D. LIVERMORE

ED ON:	AFFIXED ON:
ATURE:	08/06/2025
:	SIGNATURE:
	STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

TITLE OF PROJECT MP 158.54 REHABILITATION OF RTE. 7 BRIDGE OVER THRUWAY	CONTRACT NUMBER: TAA 25-22B
LOCATION OF PROJECT ALBANY DIVISION M.P. 158.54	DATE: 08/06/2025
TITLE OF DRAWING BAR LIST TABLE (SHEET 4 OF 6)	DRAWING NUMBER: ST-45

CHECKED BY: P. MULKERN

DRAFTED BY: L. TAN

CHECKED BY: B. WARTHUNG

DESIGNED BY: P. MULKERN

DESIGN SUPERVISOR: D. LIVERMORE

MARK	QTY.	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R	REMARKS
SUPERSTRUCTURE SLAB																					
STAGE 1 PLACEMENT (PAID FOR UNDER ITEM 557.1119)																					
4SG01	285	4	40'-0"	N1	7,615.2														40'-0"		
4SG02	57	4	21'-3"	N1	809.1														21'-3"		
4SG03	280	4	40'-0"	N1	7,481.6														40'-0"		
4SG04	56	4	21'-3"	N1	794.9														21'-3"		
4SG05	114	4	7'-4"	1	558.2	0'-6"	6'-0"					0'-6"			0'-4"						HOOK INTO APPROACH
4SG06	317	4	4'-4"	S4	918.3	0'-0"	1'-0"	1'-4"	1'-0"			1'-0"									STIRRUPS INTO BRUSH CURB
4SG07	317	4	21'-3"	24	4,499.8	0'-6"	41'-2"					0'-0"			0'-4"						HOOK AT FASCIA
4SG08	316	4	20'-5"	N1	4,310.4														20'-5"		
4SG09	317	4	22'-6"	N1	4,764.5														22'-6"		
4SG10	316	4	22'-6"	N1	4,747.5														22'-6"		
4SG30	228	4	3'-4 1/4"	N8	510.9		0'-9"	0'-5 1/2"	1'-0"	0'-4 3/4"	0'-9"								2'-6"		HAUNCH ABOVE 16"W GIRDER
4SG31	96	4	4'-0 1/4"	N8	258.1		0'-9"	0'-5 1/2"	1'-8"	0'-4 3/4"	0'-9"								2'-8"		HAUNCH ABOVE 24"W GIRDER
4SG32	256	4	3'-6 1/4"	N8	602.7		0'-9"	0'-5 1/2"	1'-2"	0'-4 3/4"	0'-9"								3'-2"		HAUNCH ABOVE 18"W GIRDER
5SG01	20	5	40'-0"	N1	834.4														40'-0"		
5SG02	4	5	23'-4"	N1	92.3														23'-4"		
5SG03	15	5	40'-0"	N1	625.8														40'-0"		
5SG04	3	5	23'-4"	N1	73.0														23'-4"		
6SG01	56	6	36'-2"	N1	3,042.1														36'-2"		
6SG02	56	6	36'-2"	N1	3,042.1														36'-2"		
6SG03	316	6	9'-10"	24	4,667.2	0'-6"	9'-0"					0'-0"			0'-4"						ADDITIONAL HOOK AT FASCIA
SUBTOTAL					50,254.9																
STAGE 2 PLACEMENT (PAID FOR UNDER ITEM 557.1119)																					
4SG01	215	4	40'-0"	N1	5,774.8														40'-0"		
4SG02	43	4	21'-3"	N1	610.4														21'-3"		
4SG03	210	4	40'-0"	N1	5,611.2														40'-0"		
4SG04	42	4	21'-3"	N1	596.2														21'-3"		
4SG05	86	4	7'-4"	1	421.1	0'-6"	3'-0"					0'-6"			0'-4"						HOOK INTO APPROACH
4SG06	317	4	4'-4"	S4	918.3	0'-0"	1'-0"	1'-4"	1'-0"			1'-0"									STIRRUPS INTO BRUSH CURB
4SG30	171	4	3'-4 1/4"	N8	383.1		0'-9"	0'-5 1/2"	1'-0"	0'-4 3/4"	0'-9"										HAUNCH ABOVE 16"W GIRDER
4SG31	72	4	4'-0 1/4"	N8	193.6		0'-9"	0'-5 1/2"	1'-8"	0'-4 3/4"	0'-9"										HAUNCH ABOVE 24"W GIRDER
4SG32	192	4	3'-6 1/4"	N8	452.0		0'-9"	0'-5 1/2"	1'-2"	0'-4 3/4"	0'-9"										HAUNCH ABOVE 18"W GIRDER
4SG17	317	4	31'-10"	24	6,740.2	0'-6"	41'-2"					0'-0"			0'-4"						HOOK AT FASCIA
4SG18	316	4	31'-0"	N1	6,543.7														31'-0"		
4SG19	26	4	3'-4"	N10	57.8		1'-0"	2'-4"	0'-0"	0'-0"			0'-0"		0'-0"						LIGHT POLE BUMPOUT. STIRRUP INTO BRUSH CURB.
4SG20	26	4	9'-4"	S11	162.0								4'-6"						0'-4"		LIGHT POLE BUMPOUT.
5SG01	20	5	40'-0"	N1	834.4														40'-0"		
5SG02	4	5	23'-4"	N1	97.3														23'-4"		
5SG03	15	5	40'-0"	N1	625.8														40'-0"		
5SG04	3	5	23'-4"	N1	73.0														23'-4"		
5SG05	2	5	18'-9"	N5	39.1		4'-6"	3'-5"	2'-11"				4'-6"	1'-6"		0'-0"	3'-1"		9'-1"		LIGHT POLE BUMPOUT.
6SG01	42	6	36'-2"	N1	2,281.5														36'-2"		
6SG02	42	6	36'-2"	N1	2,281.5														36'-2"		
6SG03	316	6	9'-10"	24	4,667.2	0'-6"	9'-0"					0'-0"			0'-4"						ADDITIONAL HOOK AT FASCIA
SUBTOTAL					39,334.3																

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON:

08/06/2025



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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT
MP 158.54 REHABILITATION OF
RTE. 7 BRIDGE OVER THRUWAY

LOCATION OF PROJECT
ALBANY DIVISION
M.P. 158.54

TITLE OF DRAWING
BAR LIST TABLE
(SHEET 5 OF 6)

CONTRACT NUMBER:
TAA 25-22B

DATE:
08/06/2025

DRAWING NUMBER:
ST-46

DESIGN SUPERVISOR: D. LIVERMORE

ED ON:	AFFIXED ON: 08/06/2025
ATURE: :	SIGNATURE: STAMP: 

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



CONTRACT NUMBER:	TAA 25-22B
DATE:	08/06/2025
DRAWING NUMBER:	ST-47