TAA 25-21B

NEW YORK STATE | Thruway Authority

ALBANY DIVISION

PLANS FOR

REPLACEMENT

OF THE

INTERCHANGE 21 BRIDGE

AT

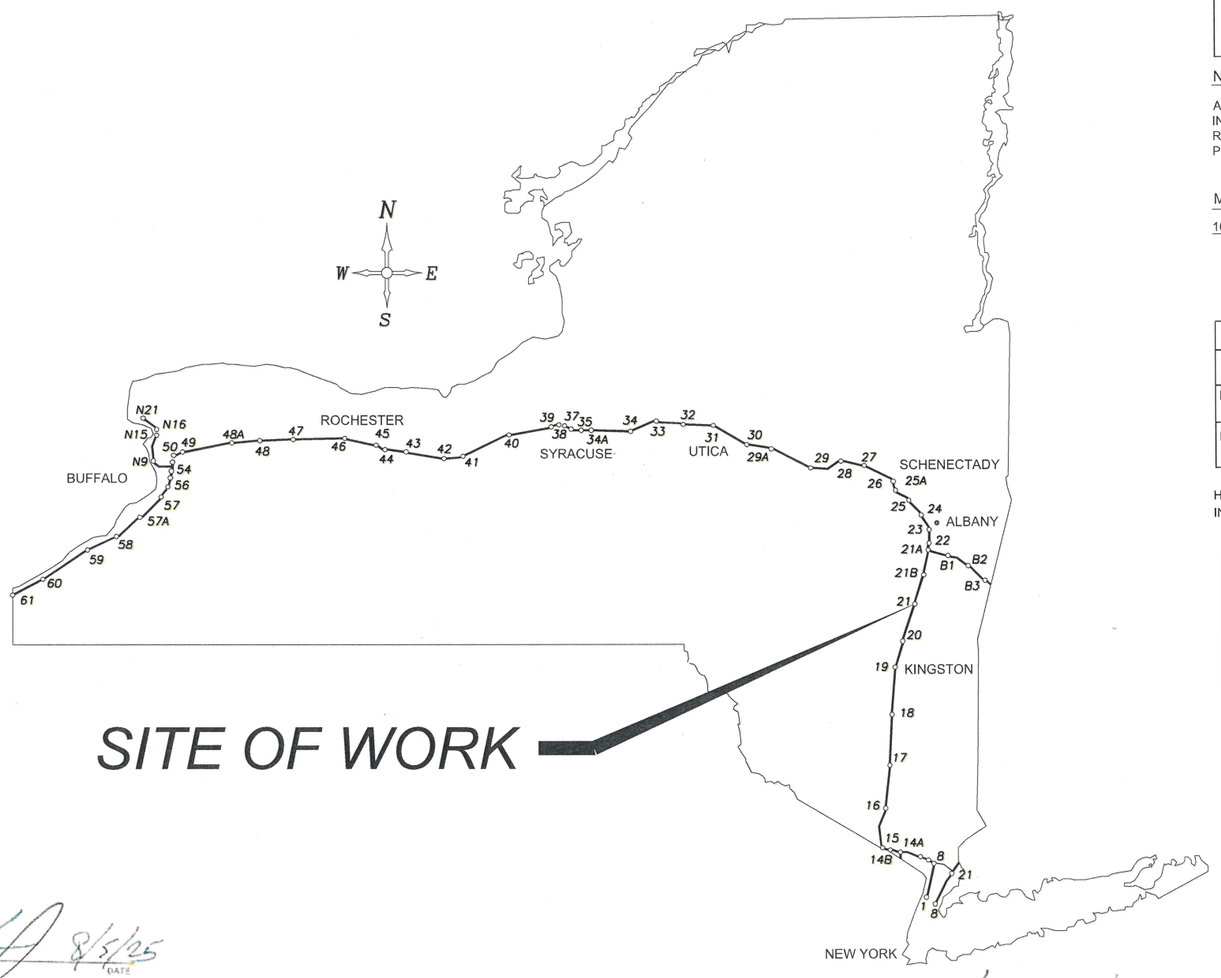
I-87 MILEPOST 113.89

IN

GREENE COUNTY

TAA 25-21B **D215044**

118 SHEETS **BIN 5513230**



TYPE OF CONSTRUCTION:

BRIDGE REPLACEMENT, SAFETY UPGRADES, ITS EQUIPMENT REPLACEMENT INCLUDING WRONG-WAY DETERRENCE SIGN, PAVEMENT STRIPING, AND OTHER MISCELLANEOUS WORK.

STANDARD SHEETS:

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

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

BRIDGE MAINTENANCE GUIDELINES

UPON COMPLETION OF THIS PROJECT, THE BRIDGE STRUCTURES REPAIRED, REHABILITATED OR RECONSTRUCTED HEREUNDER SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT AASHTO MANUAL FOR BRIDGE MAINTENANCE, AND THE NEW YORK STATE THRUWAY AUTHORITY MAINTENANCE DIRECTIVES:

BRIDGE MANAGEMENT PROGRAM MD 05-16, BRIDGE MANAGEMENT ACTIVITIES MD 05-3, AND BRIDGE INSPECTION PROGRAM MD 95-5.

SPECIAL MAINTENANCE REQUIREMENTS: NONE

NOTES:

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

MAINTENANCE JURISDICTION

100% AUTHORITY

LOAD RATING TABLE		
CONTROLLING MEMBER	INVENTORY LOAD RATING	OPERATING LOAD RATING
INTERIOR GIRDER, G3 (LFR)	HS 25.8 (46.48 TONS US)	HS 43.1 (77.62 TONS US)
INTERIOR GIRDER, G3 (LRFR)	1.29	1.68

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.	FROM STA.	TO STA.
INTERCHANGE 21 (BRIDGE & RAMPS)	BR 18+49.17	BR 29+99.83	BR 18+49.17	BR 29+99.83
THRUWAY MAINLINE (I-87)	SB 32+11.00	SB 30+82.95	WZTC LIMITS	

UDIG 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:

RECOMMEND APPROVAL: 8/5/25
DIRECTOR OFFICE OF DESIGN — DATE

9/10/25 — DATE

RECOMMENDED BY: 09/09/25
TRAFFIC ENGINEER — DATE

RECOMMENDED BY: 09/09/25
DIRECTOR OFFICE OF CONSTRUCTION MANAGEMENT — DATE

9/9/25 — DATE

9/9/25 — DATE

PREPARED AND RECOMMENDED BY:
DATE 09/04/2025
PARSONS
DANIEL LEVINE, PE
NYS LICENSE NUMBER: 097330

REVIEWED BY

PROJECT MANAGER

BUREAU DIRECTOR

TAA 25-21B

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

ALIGNMENT

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

TOPOGRAPHY (DRAINAGE)

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

TOPOGRAPHY (MISCELLANEOUS)

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

UTILITIES

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

SUBSURFACE EXPLORATION

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

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

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M.P. 113.89, BIN 5513230

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: INDEX AND ABBREVIATIONS

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: IND-01

PW:/

CHECKED BY: B. WARTHLING

DRAFTED BY: C. WAGNER

DESIGNED BY: B. WARTHLING

DESIGNED BY: C. WAGNER

DESIGN SUPERVISOR: D. LIVERMORE

ALIGNMENT

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

BRIDGE

STYLE	NAME	DESCRIPTION
	BR	RAIL
	BSHT	SHEET PILING

CONTROL

STYLE	NAME	DESCRIPTION
℄	CB	BASELINE
℄ –	CBPR	BASELINE, PROJECTION

DRAINAGE

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

ENVIRONMENTAL

STYLE	NAME	DESCRIPTION
FL	EBLHS	BALE, STRAW
	ECT	CURTAIN, TURBIDITY
	EDMC	DAM, COFFER
	EDMEC_P	DAM, EARTHEN CHECK
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK
	EDMPC_P	DAM, PREFABRICATED CHECK
	EDMSC_P	DAM, STONE CHECK
	EFNS	FENCE, SILT
×	EFNSV	FENCE, SILT & VEGETATION
	EFNV	FENCE, VEGETATION
AA	EWAA_P	WETLAND, ADJACENT AREA
FW	EWF	WETLAND, FEDERAL
FW SW	EWFS	WETLAND, FEDERAL AND STATE
SW	EWM	WETLAND, MITIGATION AREA
SW	EWS	WETLAND, STATE

LANDSCAPE

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

ROW MAPPING

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

ROADWAY

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

SIGNS

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

STRIPING

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

• = W (WHITE) OR Y (YELLOW)

TRAFFIC CONTROL

STYLE	NAME	DESCRIPTION
	TCSW	SIGNAL, SPAN WIRE

TRAFFIC WORK ZONE

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

UTILITIES

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

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.

M.P. 113.89, BIN 5513230

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: LEGEND (SHEET 1 OF 2)	DRAWING NUMBER: LEG-01

ALIGNMENT

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

BRIDGE

	BSC	BRIDGE, SCUPPER

CONTROL

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

DRAINAGE

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

ENVIRONMENTAL

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

GEOTECHNICAL

	GDH	DRILL HOLE

LANDSCAPE

	LELS	ELEVATION, SPOT
	LFP	FLAG POLE
	LMB	MAILBOX
	LPB	PAPER BOX
	LPST	POST, SINGLE
	LRB	ROCK, BOULDER
	LSHC	SHRUB, CONIFEROUS
	LSHD	SHRUB, DECIDUOUS
	LTC	TREE, CONIFEROUS
	LTD	TREE, DECIDUOUS
	LTS	TREE, STUMP
	LTW_P	TREE, WELL OR WALL
	LUKP	UNKNOWN POINT

ITS

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

ROW MAPPING

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

ROW ACQUISITION

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

ROADWAY

	RES_P	ELEVATION, SPOT
	RGA	GUIDE RAIL, ANCHOR
	RGP	GUIDE POST, SINGLE

SIGNS

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

TRAFFIC CONTROL

	TCBJ	BOX, JUNCTION
T	TCBP	BOX, PULL BOX
	TCBS	BOX, SPLICE
C	TCMC	MICROCOMPUTER CABINET
	TCPP	PED POLE
	TCSH	SIGNAL HEADS
	TCSP	SIGNAL POLE

TRAFFIC WORK ZONE

	TWZAP_P	ARROW PANEL
	TWZAPC_P	ARROW PANEL, CAUTION MODE
	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT
	TWZBCD_P	BARRICADE (TYPE III)
	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)
	TWZFLG_P	FLAGGER
	TWZFT_P	FLAG TREE
	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	TWZLUM_P	LUMINAIRE (TEMPORARY)
	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC
	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR
	TWZSGN_P	SIGN (TEMPORARY)
	TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)
	TWZWL_P	WARNING LIGHT
	TWZWV_P	WORK VEHICLE
	TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

UTILITIES

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

M.P. 113.89, BIN 5513230

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
LEGEND
(SHEET 2 OF 2)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
LEG-02

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

PW:

DESIGN SUPERVISOR: D. LIVERMORE
DESIGNED BY: D. LIVERMORE
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
B. WARTHLING

New York State Thruway Authority Standard Sheets

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

X	SHEET NO.	SUBJECT
X	TA 201-01	Clearing and Grubbing *(Dwg. CG)*
X	TA 203-01	Shoulder Backup 1R Projects *(Dwg. SB)*
	TA 203-02	Slope Flattening Details
	TA 404-01	Highway Pavement Repair Details *(Dwg. PRD)*
	TA 404-02	Bridge Deck Wearing Course Resurfacing *(Dwg. BDR)*
	TA 404-03	Overhead Bridge Underclearance Improvement *(Dwg. BU)*
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) 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
X	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
X	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone
X	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
X	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
X	TA 619-18	Mobile Lane Closure
	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
	TA 619-21	Short-Duration Double Lane Closure
X	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
X	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
X	TA 619-25	Work Zone Traffic Control for Pavement Striping Operations at Interchanges, Service Areas and Parking Areas
	TA 619-26	Temporary Rock Catchment Barrier (Sheets 1-3)
	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)
X	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
X	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
X	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10 ft Treadle Frame (Sheets 1-4)

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

Highway Work Type

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

MILEPOST FROM:	113.89						
TO:							
PROJECT TYPE	**X**	**X**	**X**	**X**	**X**	**X**	**X**
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements	X						
Drainage							
Rock Slope Remediation							
Pavement Striping							
Other: Shoulder Reconstruction	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:	113.89						
PROJECT TYPE	**X**	**X**	**X**	**X**	**X**	**X**	**X**
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System							
Protective Screening							
Painting							
Steel Repair							
Wearing Surface Treatment							
Deck Repairs							
Joint Rehabilitation							
Joint Replacement							
Bearing Rehabilitation							
Bearing Replacement							
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation							
Electrical							
Cathodic Protection System							
Fendor or Pier Protection System							
Deck Replacement							
Superstructure Replacement							
Bridge Replacement	X						
Added Bridge (New Location)							
Abandoned Bridge							
Other: Wrong-Way Deterrence Sign	X						

New York State Department of Transportation Standard Sheets

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

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

M.P. 113.89, BIN 5513230

REV. 05/25

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

GENERAL NOTES:

1. DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF OCTOBER 2025 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: F'C=4,000 PSI, STEEL REINFORCEMENT 60 KSI.)
2. CONSTRUCTION AND MATERIALS SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS SHOWN ON THE FRONT COVER OF THE PROPOSAL.
3. THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT VERSION OF THE AASHTO MAINTENANCE MANAUL FOR ROADWAYS AND BRIDGES.
4. DESIGN LIVE LOAD: AASHTO HL-93.
5. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONALLY AND ARE FULLY DIMENSIONED.
6. ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.
7. SEVEN DIFFERENT LOCATIONS AT THE BRIDGE WERE TESTED FOR ASBESTOS CONTAINING MATERIALS. NONE OF THE MATERIALS TESTED WERE FOUND TO CONTAIN ASBESTOS. FOR MORE INFORMATION, SEE THE PRE-REPLACEMENT ASBESTOS CONTAINING MATERIALS INSPECTION REPORT INCLUDED IN THE BID DOCUMENTS.

FOUNDATION NOTES:

1. WHEN PILES ARE TO BE PLACED THROUGH THE EMBANKMENT (6 INCHES MAXIMUM TOPSIZE), THE EMBANKMENT SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.
2. EMBANKMENT IN PLACE, ITEM 203.03 AND SELECT STRUCTURAL FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.
3. THE COST OF WATER USED FOR COMPACTION OF THE SELECT STRUCTURAL FILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 - SELECT STRUCTURE FILL.
4. THE COST OF WATER USED FOR COMPACTION IN PLACE OF MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.03 - EMBANKMENT IN PLACE.

SUBSTRUCTURE NOTES:

1. TOP OF BACKWALLS SHALL BE STEEL TROWEL FINISH. TWO SHEETS OF SHEET GASKET (TREATED BOTH SIDES), §728-06, SHALL BE PLACED ON THE TOP OF THE BACKWALLS OF FIXED AND EXPANSION ABUTMENTS. THE CONTRACTOR SHALL INCLUDE COSTS FOR THIS WORK IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
2. THE CONTRACTOR, WITH THE PERMISSION OF THE NYSTA, MAY ELECT TO INTRODUCE CONSTRUCTION JOINTS IN THE ABUTMENTS AND/OR WINGWALLS AT LOCATIONS NOT SHOWN ON THE PLANS. CONSTRUCTION JOINTS SHALL BE PROVIDED WITH SHEAR KEYS AND WATERSTOPS. VERTICAL CONSTRUCTION JOINTS INTRODUCED IN THE ABUTMENTS AND/OR WINGWALLS SHOULD PREFERABLY BE PLACED MIDWAY BETWEEN THE PEDESTALS.
3. THE COST OF ALL JOINT MATERIAL AND WATERSTOPS AT CONCRETE CONSTRUCTION JOINTS, CONTRACTION AND EXPANSION JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

SUPERSTRUCTURE NOTES:

1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.
2. FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE "ESTIMATE OF TOTAL WEIGHT" IS AS FOLLOWS:

ITEM	ESTIMATE OF TOTAL WEIGHT	BIN
564.0501	184,271 POUNDS	5513230

   THE "ESTIMATE OF TOTAL WEIGHT" SHALL BE USED TO DOCUMENT THE ENGINEER'S ESTIMATED AMOUNT OF STRUCTURAL STEEL REQUIRED FOR THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THESE WEIGHTS BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THESE WEIGHTS AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND THE "ESTIMATE OF TOTAL WEIGHT" SHALL NOT BE A BIAS FOR ADDITIONAL COMPENSATION.
3. DIAPHRAGMS SHALL BE FABRICATED TO FIT GIRDERS ERECTED WITH THEIR WEBS PLUMB UNDER FULL DEAD LOAD CONDITIONS, ALSO KNOWN AS TOTAL DEAD LOAD FIT (TDLF).
4. DIMENSIONS FOR THICKNESSES OF STEEL ROLLED ANGLE SHAPES AND STRUCTURAL TUBING ARE SHOWN ACCORDING TO THE AISC MANUAL.

METALIZING NOTES:

1. ALL GIRDERS, INCLUDING STIFFENERS AND CONNECTION PLATES, SHALL BE METALIZED. METALIZING SHALL NOT WRAP ONTO THE TOP FLANGE, AS NOTED AND DEPICTED ON THE GIRDER ELEVATION DRAWING. THE COST OF METALIZING SHALL BE INLCUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING, TYPE 1.
2. ALL PRIMARY AND SECONDARY MEMBERS (DIAPHRAGMS, LATERAL BRACING, SHIMS, ETC.) SHALL BE METALIZED. THE COST OF METALIZING SHALL BE INLCUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING, TYPE 1. THE CONTRACTOR HAS THE OPTION OF HOT-DIP GALVANIZING THE SECONDARY MEMBERS. IF THE CONTRACTOR ELECTS TO HOT-DIP GALVANIZE THESE MEMBERS, HOT-DIP GALVANIZING SHALL MEET THE REQUIREMENTS OF §719-01 TYPE 1 OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. THE COST OF THE HOT-DIP GALVANIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING, TYPE 1.
3. ALL EXPOSED STEEL COMPONENTS OF BRIDGE BEARINGS, INCLUDING THE SOLE PLATE AND THE MASONRY PLATE, SHALL BE METALIZED. THE COST OF METALIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING, TYPE 1.
4. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
5. DRILLED HOLES SHALL BE CLEANED OF ALL EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF THE BOLTS.

STEEL ERECTION NOTES

1. THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF THE STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN SECTION 2, SUBSECTION 204 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). THE MEANS AND METHODS USED BY THE CONTRACTOR SHALL BE DOCUMENTED ON THE ERECTION DRAWINGS AND INCLUDED IN THE SUPPORTING STABILITY CALCULATIONS. THE ERECTION DRAWINGS AND STABILITY CALCULATIONS SHALL BE SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE NYSTA IN ACCORDANCE WITH THE SCM.
2. THE DESIGN OF THIS STRUCTURE ASSUMES THAT THE STRUCTURAL STEEL IS COMPLETELY ERECTED BEFORE IT IS ALLOWED TO DEFLECT UNDER ITS OWN DEAD LOAD. DEFLECTIONS INCURRED DURING VARIOUS STAGES OF THE ERECTION ARE NOT CONSIDERED. THEREFORE, THE ACTUAL ERECTION MEANS AND METHODS EMPLOYED BY THE CONTRACTOR MAY HAVE A SUBSTANTIAL EFFECT ON THE FINAL STEEL PROFILE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE FINAL ALIGNMENT AND PROFILE OF THE ERECTED STEEL CONFORMS TO SECTION 12, SUBSECTIONS 1213, 1214, AND 1215 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). ANY CORRECTIVE WORK NECESSARY SHALL BE PERFORMED AT NO ADDITIONAL COST.
3. IF THE CONTRACTOR ELECTS TO MOVE THE SPLICE LOCATION SHOWN IN THE PLANS, THE CONTRACTOR SHALL HAVE A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER REDESIGN THE SPLICE. THE SHOP DRAWINGS AND DESIGN CALCULATIONS FOR THE REDESIGNED SPLICE SHALL BE SUBMITTED TO THE NYSTA IN ACCORDANCE WITH THE SCM, THE COST OF THE REDESIGN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS STEEL ITEMS.

STEEL CONSTRUCTION NOTES

1. THE FOLLOWING STRUCTURE COMPONENTS SHALL USE STANDARD SIZED HOLES: GIRDER SPLICES, DIAPHRAGMS, AND CONNECTION PLATES. OVERSIZE HOLES MAY BE USED FOR LATERAL BRACING PROVIDED THE HOLES MEET THE REQUIREMENTS GIVEN IN SECTION 203.10 AND 614.2 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM).

SUPERSTRUCTURE SLAB NOTES

1. THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR SUPERSTRUCTURE SLABS ALLOW THE OPTION OF 3 FORMING SYSTEMS FOR THE SLABS. ON THIS BRIDGE, ONLY THE FOLLOWING OPTION WILL BE PERMITTED:

   - PERMANENT CORRUGATED METAL FORMS
   - REMOVABLE WOODEN FORMS
2. THIS STRUCTURE HAS LARGE DECK OVERHANGS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT AND BRACING TO PREVENT THE FASCIA GIRDER FROM TWISTING OR EXCESSIVELY DEFLECTING UNDER THE CONCRETE DEAD LOAD AND THE CONSTRUCTION LOADS. ALL DESIGN EFFORT REQUIRED BY THE CONTRACTOR'S ENGINEER TO ENSURE THAT CONSTRUCTION LOADS DO NOT ADVERSELY AFFECT THE FASCIA GIRDER ARE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL SUBMIT OVERHANG FORMING DESIGN CALCULATIONS AND DETAILS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER TO THE NYSTA FOR APPROVAL.
3. THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE HAUNCH DETAILS SHOWN IN THE PLANS WITHOUT THE PERMISSION OF THE NYSTA.
4. THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTIONS ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE DECK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM.
5. TOP SURFACES OF NEW BRIDGE DECKS AND APPROACH SLABS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.
6. TOP SURFACES OF EXPOSED SURFACES OF NEW CONCRETE PARAPETS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.02 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE. ONLY PENETRATING TYPE SEALERS SHALL BE USED.

REMOVAL NOTES:

1. EXISTING SUBSTRUCTURES SHALL BE REMOVED WITHIN THE PAY LIMITS SHOWN IN THE PLANS UNDER ITEM 202.19 - REMOVAL OF SUBSTRUCTURES.
2. EXISTING SUPERSTRUCTURES SHALL BE REMOVED UNDER ITEM 202.12000.
3. SUPERSTRUCTURE REMOVAL SHALL MEET THE PROVISIONS OF §202-3.01 - GENERAL AND SAFETY REQUIREMENTS, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. A REMOVAL PLAN, SEALED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION. A THIRD PARTY REVIEW IS NOT REQUIRED.
4. RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE FOR REVIEW BY ALL PROSPECTIVE BIDDERS ELECTRONICALLY ON THE THRUWAY WEBSITE PRIOR TO THE LETTING DATE. REFER TO CONTRACTS CT52-9, TAA 79-13BP, TAA 90-26BP, TAA 05-10, AND TAA 10-59BP.
5. LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL MEET THE PROVISIONS OF §202-3.01 - GENERAL, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. THE COST OF PAINT REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM). PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEM(S). WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.
6. LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PAINT PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE SATISFIED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF THE LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM). THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE MENTIONED, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

RECONSTRUCTION NOTES:

1. DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE 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 THE FIELD CONDITIONS.
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STRUCTURAL STEEL ITEMS.
3. 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 NYSTA, 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 NYSTA, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
4. 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.
5. 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.
6. ALL MATERIAL FALLING ON THE AREA BELOW SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE NYSTA.
7. 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.
8. SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM) TO THE ENGINEER FOR APPROVAL FOR THE FOLLOWING STRUCTURAL STEEL ITEMS:

   - ITEM 564.0501

WORK TO BE DONE:

THE FOLLOWING IS A GENERAL DESCRIPTION OF THE WORK TO BE DONE. THE ORDER IS NOT NECESSARILY THE SEQUENCE OF OPERATIONS.

1. REMOVE EXISTING MEDIAN GUIDE RAIL, COVER EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE TEMPORARY WZTC, AND SET UP WZTC FOR ALTERNATING ONE-WAY RAMP TRAFFIC.
2. INSTALL TEMPORARY EROSION CONTROL MEASURES AND REMOVE THE NORTH HALF OF THE EXISTING BRIDGE.
3. CONSTRUCT THE NORTH HALF OF THE PROPOSED REPLACEMENT BRIDGE. INSTALL NEW PAVEMENT AND SHOULDER GUIDE RAIL ON THE NORTH SIDE OF THE INTERCHANGE ROAD LEADING INTO AND OUT OF THE BRIDGE. UTLIZE SHOULDER CLOSURES ON THE THRUWAY MAINLINE (I-87) AS REQUIRED.
4. SHIFT TRAFFIC TO THE NORTH HALF OF THE REPLACEMENT BRIDGE CONSTRUCTED DURING PREVIOUS STAGE. PREPARE FOR WINTER SHUTDOWN. COMMISSION REPLACEMENT TRANSMIT ANTENNAS.
5. MODIFY TEMPORARY EROSION CONTROL MEASURES AS REQUIRED AND REMOVE SOUTH HALF OF THE EXISTING BRIDGE. UTLIZE SHOULDER CLOSURES ON THE THRUWAY MAINLINE (I-87) AS REQUIRED.
6. CONSTRUCT THE SOUTH HALF OF THE PROPOSED REPLACEMENT BRIDGE. INSTALL NEW PAVEMENT AND SHOULDER GUIDE RAIL ON THE SOUTH SIDE OF THE INTERCHANGE ROAD LEADING INTO AND OUT OF THE BRIDGE. UTLIZE SHOULDER CLOSURES ON THE THRUWAY MAINLINE (I-87) AS REQUIRED.
7. CONSTRUCT BRIDGE CENTERLINE CLOSURE. PLACE BRIDGE DECK CLOSURE POUR AND INSTALL MEDIAN GUIDE RAIL. REMOVE TEMPORARY MEASURES ASSOCIATED WITH THE EXISTING MEDIAN GUIDE RAIL.
8. REMOVE WZTC TEMPORARY POSITIVE BARRIERS, SIGNS, INTERIM PAVEMENT MARKINGS, AND ANY PAVEMENT MARKING COVERINGS. INSTALL ANY REMAINING PAVEMENT MARKINGS. OPEN ENTIRE BRIDGE TO TRAFFIC.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK · CHRISTINE WAGNER · LICENSED · No. 094496 · 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: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GENERAL NOTES (SHEET 1 OF 2)	DRAWING NUMBER: GNN-01

DRAINAGE:

1. THE CONTRACTOR SHALL BE FAMILIARIZED WITH DRAINAGE CHARACTERISTICS OF THE AREA SO THAT WORK MAY PROGRESS EFFICIENTLY WITH FULL KNOWLEDGE OF ANY POTENTIAL DRAINAGE PROBLEMS.

2. THE CONTRACTOR IS REQUIRED TO MAINTAIN EXISTING DRAINAGE CAPACITY AT ALL TIMES DURING CONSTRUCTION. NO STOCKPILING SHALL BE ALLOWED ALONG DITCH LINES OR FLOW LINES.

3. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ANY CULVERT AND DRAINAGE INSTALLATION TO PROVIDE ADEQUATE STORM WATER RUNOFF COLLECTION DURING ALL CONSTRUCTION PHASES. ANY TEMPORARY DRAINAGE CONNECTIONS, INLET ELEVATION ADJUSTMENTS, OR OTHER WORK NECESSARY OR DIRECTED BY THE ENGINEER TO ENSURE RUNOFF COLLECTION SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS DRAINAGE ITEMS.

MISCELLANEOUS NOTES:

1. ALL WORK COMPLETED UNDER THIS CONTRACT SHALL BE PERFORMED IN CONFORMANCE WITH NEW YORK STATE DEPARTMENT OF TRANSPORTATION OFFICE OF ENGINEERING STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS AND ALL ADDENDA THERETO.

2. DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM RECORD PLANS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS AS ARE NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL BE INDICATED FOR REFERENCE OF THE REVIEWER.

3. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING AND GIVEN CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. THE RESULT OF THIS CHANGE SHALL BE NOTED ON THE AS-BUILT DRAWINGS SUBMITTED FOR APPROVAL.

4. THE CONTRACTOR IS RESPONSIBLE TO PREVENT ANY DEBRIS OR ROCK AS A RESULT OF CONSTRUCTION ACTIVITIES FROM SPILLING OR ENTERING ONTO THE ADJACENT TRAFFIC LANE(S) WHICH IS OPEN FOR TRAFFIC.

5. THE CONTRACTOR SHALL BE REQUIRED TO PROTECT WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS. ANY PERMITS REQUIRED FOR WORKING IN CONFINED AREAS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN.

6. THE CONTRACTOR SHALL COORDINATE WORK WITH ANY CONTRACTORS, PUBLIC MAINTENANCE, OR UTILITY COMPANY OPERATIONS IN THE AREA TO ENSURE PROPER MAINTENANCE OF TRAFFIC AND TO AVOID CONSTRUCTION CONFLICTS.

7. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING, OR OTHER DEVICES THAT MAY BE REQUIRED OR THAT MAY BE DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS, OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.

8. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.

9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER-IN-CHARGE THREE WEEKS PRIOR TO MAKING ANY CHANGES IN WORK DAYS OR WORK HOURS.

UTILITIES:

1. EXISTING UNDERGROUND UTILITIES SHOWN IN THE PLANS HAVE BEEN DETERMINED BY STANDARD SURVEYING METHODS AND AVAILABLE RECORDS. NEITHER THE INFORMATION NOR THE EXACT LOCATION OF THE EXISTING UTILITIES IS GUARANTEED TO BE COMPLETE OR CORRECT. THE CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATION OF ALL UTILITIES PRIOR TO WORKING IN THE AREA.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THE CONTRACT OPERATION AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO UTILITIES DURING THE COURSE OF CONSTRUCTION. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN THE SAID SERVICES, THE CONTRACTOR SHALL IMMEDIATELY ARRANGE FOR SERVICE TO BE RESTORED AT THE CONTRACTORS OWN EXPENSE.

3. SHOULD UTILITIES BE ENCOUNTERED DURING THE CONSTRUCTION WHICH INTERFERE WITH THE WORK AND FOR WHICH PROVISIONS ARE NOT PROVIDED ON THE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE E.I.C. OF THE EXISTENCE OF THE UTILITIES AND OF THE EXTENT OF CONFLICT WITH THE WORK. THE E.I.C. SHALL MAKE ARRANGEMENTS WITH THE UTILITY COMPANY TO MODIFY ITS FACILITY IN ORDER TO ALLOW THE CONTRACTOR TO PROGRESS THE WORK.

4. THE APPROXIMATE LOCATION OF THE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE TRUE LOCATION BEFORE COMMENCING WORK. BEFORE ANY PIPE IS PLACED, THE CONTRACTOR SHALL UNCOVER ALL UTILITIES AT PIPE CROSSINGS TO ENABLE THE ENGINEER TO VERIFY THE PROPOSED PIPE WITH GRADES SHOWN ON THE PLANS IS NOT OBSTRUCTED BY EXISTING UTILITIES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.

5. THE CONTRACTOR SHALL BE FAMILIAR WITH THE UTILITY QUALITY LEVEL DEFINITIONS THAT ARE DESCRIBED IN NYSDOT STANDARD SPECIFICATION SECTION 100.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES ENCOUNTERED IN THE WORK ZONE. WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE TIMBER, PLANK, OR OTHER MATERIALS APPROVED BY THE E.I.C. AND SECURELY BRACE AND PROTECT THESE UTILITIES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.

7. DURING UTILITY RELOCATION WORK REQUIRED FOR THIS CONTRACT, THE CONTRACTOR SHALL COOPERATE IN EVERY WAY WITH THE UTILITY OWNER, AND SHALL SCHEDULE WORK IN SUCH A WAY AS TO COMPLY WITH SHUT DOWN TIMES AND ANY OTHER REQUIREMENTS OF THE UTILITY OWNER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY COST INCURRED DUE TO COMPLIANCE WITH UTILITY OWNER'S REQUIREMENTS. SUCH COSTS SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1



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

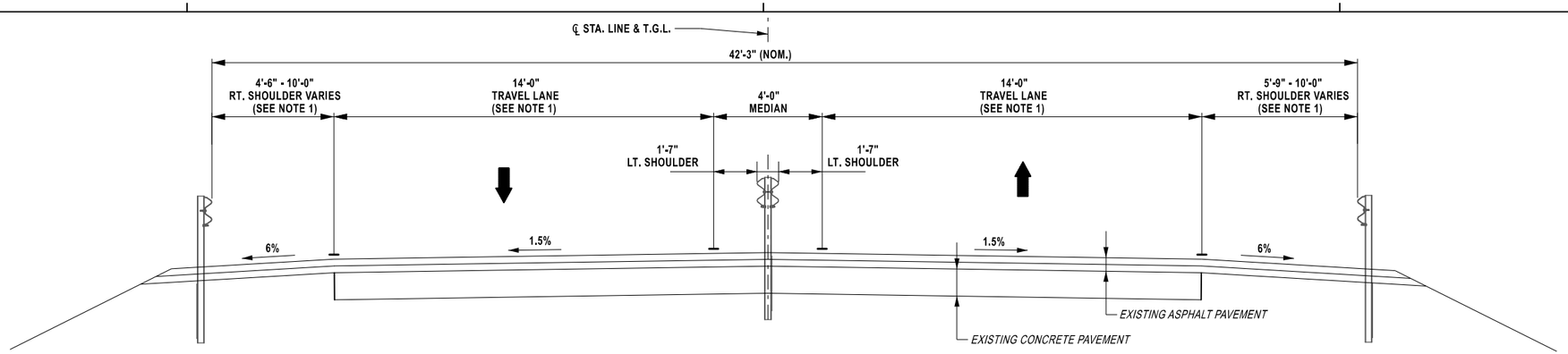
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

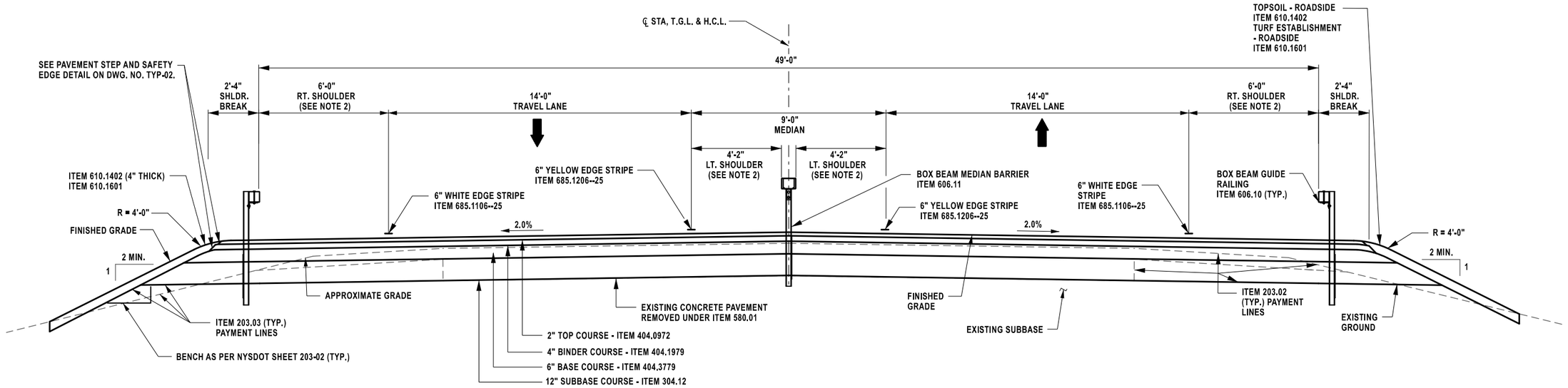
M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GENERAL NOTES (SHEET 2 OF 2)	DRAWING NUMBER: GNN-02



EXISTING RAMP ROADWAY SECTION

N.T.S.
STA. BR 20+89.99 TO STA. BR 22+87.88
STA. BR 24+66.58 TO STA. BR 27+10.00



FULL DEPTH PROPOSED ROADWAY SECTION

N.T.S.
STA. BR 21+51.47 TO STA. BR 22+67.69
STA. BR 24+86.69 TO STA. BR 25+68.29

NOTES:

1. EXISTING STRIPED TRAVEL LANE AND SHOULDER WIDTHS VARY.
2. PROPOSED SHOULDER WIDTH VARIES. SEE DWG. NO. GNP-01 TO GNP-03 FOR DIMENSIONS OF TRANSITION.
3. STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
4. PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
5. REFER TO GUIDE RAIL TABLE ON MSC-01 FOR LOCATION OF GUIDE RAILS.
6. CONSTRUCT BENCHES IN ACCORDANCE WITH "EARTH BENCHING DETAILS" IN STANDARD SHEET 203-02, TITLED "EARTH BENCHING DETAILS". PAYMENT UNDER ITEM 203.02 AND 203.03 AS APPLICABLE.

M.P. 113.89, BIN 5513230

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
203.03	EMBANKMENT IN PLACE	CY	580.01	REMOVAL OF STRUCTURAL CONCRETE	CY
304.12	SUBBASE COURSE, TYPE 2	CY	606.10	BOX BEAM GUIDE RAILING	LF
404.0972	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	606.11	BOX BEAM MEDIAN BARRIER	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	685.1106–25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
418.7603	ASPHALT PAVEMENT JOIN ADHESIVE	LF	685.1206–25	YELLOW REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 08/26/2025
SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
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

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

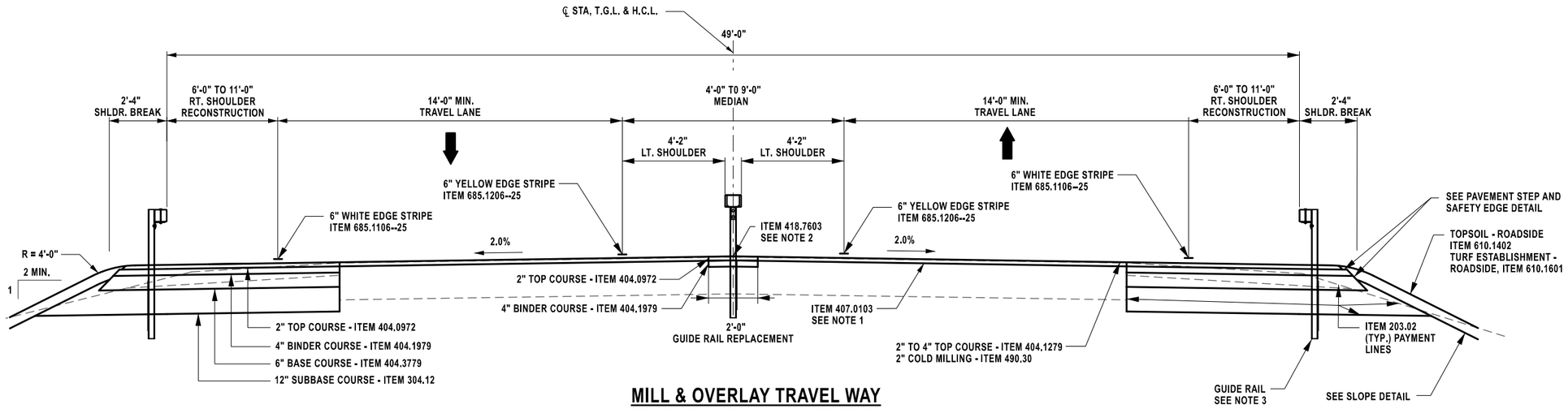
TITLE OF DRAWING
TYPICAL SECTION
(SHEET 1 OF 2)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

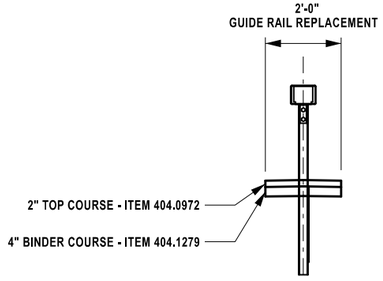
DRAWING NUMBER:
TYP-01

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN



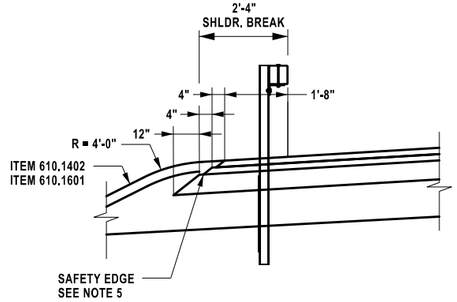
MILL & OVERLAY TRAVEL WAY
PROPOSED ROADWAY SECTION

N.T.S.
STA. BR 20+89.99 TO STA. BR 21+51.47
STA. BR 25+68.29 TO STA. BR 27+10.00



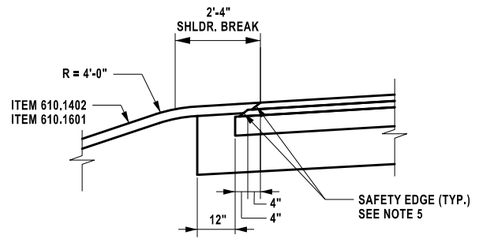
GUIDE RAIL REMOVAL AND REPLACEMENT
PAVEMENT RECONSTRUCTION

N.T.S.
STA. 15+74.73 TO STA. 22+66.48
STA. 24+85.90 TO STA. 37+18.43



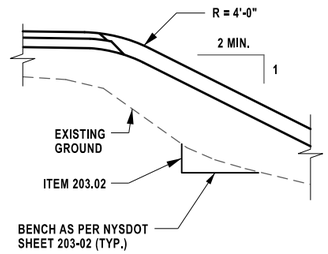
PAVEMENT STEP DETAIL
WITH GUIDE RAIL

N.T.S.



PAVEMENT STEP DETAIL
WITHOUT GUIDE RAIL

N.T.S.



SLOPE DETAIL

N.T.S.

NOTES:

1. STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
2. PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
3. REFER TO GUIDE RAIL TABLE ON MSC-01 FOR LOCATION OF GUIDE RAILS.
4. CONSTRUCT BENCHES IN ACCORDANCE WITH "EARTH BENCHING DETAILS" IN STANDARD SHEET 203-02, TITLED "EARTH BENCHING DETAILS". PAYMENT UNDER ITEM 203.02 AND 203.03 AS APPLICABLE.
5. SAFETY EDGE TAPER IS TO BE 35 DEGREES FROM FINISHED GRADE.
6. SEE PLAN FOR SHOULDER WIDTH AND LANE TRANSITIONS.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
203.03	EMBANKMENT IN PLACE	CY	580.01	REMOVAL OF STRUCTURAL CONCRETE	CY
304.12	SUBBASE COURSE, TYPE 2	CY	606.10	BOX BEAM GUIDE RAILING	LF
404.0972	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	606.11	BOX BEAM MEDIAN BARRIER	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	685.1106–25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF
418.7603	ASPHALT PAVEMENT JOIN ADHESIVE	LF	685.1206–25	YELLOW REFLECTORIZED PAVEMENT STRIPES - 20 MIL	LF

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP: Daniel A. Levine

STATE OF NEW YORK
DANIEL A LEVINE
LICENSED PROFESSIONAL ENGINEER
097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
TYPICAL APPROACH SECTION
(SHEET 2 OF 2)

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: TYP-02

DESIGNED BY: J. FARKAS CHECKED BY: K. BOWERMAN

DRAFTED BY: J. FARKAS CHECKED BY: K. BOWERMAN

DESIGN SUPERVISOR: C. LEUNG

GENERAL NOTES:

1. WORK ZONE TRAFFIC CONTROL SHALL BE PROVIDED THROUGHOUT THE LENGTH OF THE CONTRACT IN ACCORDANCE WITH THE PROVISIONS OF SECTION 619 - WORK ZONE TRAFFIC CONTROL - OF THE NYSDOT STANDARD SPECIFICATION AND THE NYSTA ADDENDUM TO THE STANDARD SPECIFICATIONS.
2. THE CONTRACT DOCUMENTS AND THE TRAFFIC CONTROL MAINTENANCE SCHEMES OF THE NYSTA STANDARD SHEETS AS WELL AS THE NYSDOT STANDARD SHEETS ARE CONSIDERED TO BE MINIMUM REQUIREMENTS. ADDITIONAL SIGNS, DELINEATION, AND/OR TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.
3. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONDITION OR PRACTICE, ALL OPERATIONS IN THAT AREA SHALL CEASE. IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE ENGINEER BEFORE WORK MAY BE RESUMED.
4. MOBILE LANE CLOSURE MAY BE UTILIZED TO INSTALL TRAFFIC CONTROL DEVICES.
5. A QUANTITY OF 2 PORTABLE VARIABLE MESSAGE SIGNS (PVMS) IN CONFORMANCE WITH ITEM 619.110513 HAVE BEEN INCLUDED IN THIS CONTRACT FOR USE ON THE INTERCHANGE. THE LOCATION OF EACH SIGN SHALL BE DETERMINED BY THE NYSTA. PVMS WILL BE OPERATED BY THE THRUWAY STATEWIDE OPERATIONS CENTER (TSOC). THE SOFTWARE CONTROL PACKAGE SHALL BE COMPATIBLE FOR USE BY THE TSOC.
6. CLOSURES REQUIRING NIGHTTIME WORK SHALL BE CONDUCTED IN CONJUNCTION WITH THE REQUIREMENTS OF SECTION 619-3.19 OF THE NYSDOT STANDARD SPECIFICATIONS. COST TO BE INCLUDED IN ITEM 619.24.
7. ALL EXISTING PAVEMENT MARKINGS ON THE THRUWAY MAINLINE THAT CONFLICT WITH WORK ZONE TRAFFIC CONTROL MARKINGS SHALL BE COVERED UNDER ITEM 619.0803 AND ITEM 619.24.

CHANGES TO WORK ZONE TRAFFIC CONTROL

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

WZTC RESTRICTIONS

1. INTERSTATE TRAFFIC (INCLUDING THE RAMPS) SHALL BE MAINTAINED ON A PAVED SURFACE AT ALL TIMES. THE MINIMUM LANE WIDTH SHALL BE 11 FT.
2. THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE DAWN OR AFTER SUNSET WITHOUT AN APPROVED LIGHTING PLAN. THE LIGHTING PLAN SHALL BE APPROVED PRIOR TO START OF WORK BY THE ENGINEER. IF THE CONTRACTOR CHOOSES TO WORK AT NIGHT (IF APPROVED) THEY SHALL PROVIDE A LIGHTING PLAN IN CONFORMANCE WITH 619.24 AND SHALL BEAR ALL COSTS.
3. LANE CLOSURES SHALL NOT BE ALLOWED WHEN EITHER VISIBILITY OR PAVEMENT CONDITION ARE JUDGED TO BE INADEQUATE BY THE ENGINEER.
4. THE CONTRACTOR SHALL SCHEDULE AND PROGRESS THE CONTRACT WORK IN A MANNER THAT MINIMIZES THE DURATION OF LANE CLOSURES. LANE CLOSURES SHALL BE USED ONLY WHEN WORK IS ACTUALLY IN PROGRESS. LONG TERM SHUTDOWNS USING SINGLE LANE AND TEMPORARY TRAFFIC SIGNAL SHALL NOT BE PERMITTED.
5. SEE LANE CLOSURES CHARTS ON NYSTA STANDARD SHEETS FOR LANE CLOSURE RESTRICTIONS.

WZTC COORDINATION

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

WZTC SIGNING AND DEVICES:

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

CONSTRUCTION VEHICLES

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

RESPONSIBILITY FOR EMERGENCY REPAIRS

1. THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE ENGINEER IN CHARGE THE NAMES, ADDRESS, AND TELEPHONE NUMBERS OF THEIR STAFF (INCLUDING SUBCONTRACTORS'S STAFF) WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS.

ROADSIDE HAZARDS

1. IF THE SHOULDER TO BE USED FOR WORK ZONE TRAFFIC CONTROL SHOWS SIGNS OF DISTRESS, IT SHALL BE REPLACED PRIOR TO TRAFFIC BEING PLACED ON IT. THE SHOULDER SHALL BE CLOSED USING THE TYPICAL WORK ZONE TRAFFIC CONTROL SCHEMES FOR SHOULDER CLOSURES SHOWN IN THE NYSTA STANDARD SHEETS.
2. EXCAVATIONS THAT PRODUCE A DROP OFF ON BOTH SIDES OF THE TRAVEL LANES SHALL NOT BE PERMITTED UNLESS PROTECTED WITH CONCRETE BARRIERS. SEE TABLE 619-3 ON SECTION 619-3.02 FOR PAVEMENT EDGE DROP-OFF PROTECTION.
3. WHEN NOT IN USE, THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION EQUIPMENT, SIGNS, TRAFFIC CONTROL DEVICES, MATERIALS OR ANY OTHER APPURTENANCES ALONG THE ROADWAY WITHIN THE CLEAR ZONE UNLESS PROTECTED BY AN APPROVED PHYSICAL BARRIER.
4. EXISTING GUIDE RAIL SHALL REMAIN IN PLACE UNTIL CONSTRUCTION ACTIVITIES NECESSITATE REMOVAL. NEW GUIDE RAIL SHALL BE INSTALLED WITHIN 14 DAYS IN ACCORDANCE WITH SECTION 619-3.02E. DELINEATION AND DROP OFF PROTECTION SHALL BE AS SPECIFIED IN SECTION 619 WORK ZONE TRAFFIC CONTROL.

CHANGES TO WZTC SCHEMES:

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

STOPPING THRUWAY TRAFFIC FOR WORK ACTIVITIES:

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

BARRIER VEHICLE WITH MOUNTED ATTENUATORS:

1. BARRIER VEHICLES (BV) WITH MOUNTED ATTENUATORS ARE REQUIRED WHEN WORKERS ARE PRESENT IN A CLOSED TRAVEL LANE OR CLOSED SHOULDER. A BV SHALL BE USED AT EACH WORK LOCATION WITHIN THE CLOSURE. THE COST SHALL BE INCLUDED IN THE COST BID FOR ITEM 619.01.
2. BARRIER VEHICLES WITH MOUNTED ATTENUATORS SHALL BE PLACED TO ACCOMMODATE ANTICIPATED ROLL-AHEAD DISTANCE (DISTANCE BETWEEN THE FRONT OF THE BV TRUCK AND THE FIRST WORKER OR VEHICLE TO BE PROTECTED). FOLLOW TRUCK MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. AT LEAST ONE BV IN THE WORK ZONE SHALL BE EQUIPPED WITH A FUNCTIONING DRONE RADAR UNIT. IT MAY BE RELOCATED TO THE FLASHING ARROW PANEL FOR CONVENIENCE. COST SHALL BE INCLUDED IN ITEM 619.01.

FLASHING ARROW PANEL:

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

SEQUENCE OF OPERATIONS:

STAGE I:
REMOVE EXISTING BRIDGE APPROACH MEDIAN GUIDE RAIL. COVER EXISTING PAVEMENT MARKINGS CONFLICTING WITH TEMPORARY WZTC. SET UP WORKZONE TRAFFIC CONTROL FOR ALTERNATING ONE-WAY RAMP TRAFFIC.

STAGE II A:
INSTALL TEMPORARY SUPPORT OF EXCAVATION AND REMOVE THE NORTH HALF OF THE EXISTING STRUCTURE. USE SHOULDER CLOSURES ON I-87 MAIN LINE AS REQUIRED.

STAGE II B:
CONSTRUCT REPLACEMENT STRUCTURE NORTH HALF OF PROPOSED BRIDGE. USE SHOULDER CLOSURES ON I-87 MAIN LINE AS REQUIRED. INSTALL NEW PAVEMENT ON NORTH SIDE OF THE ROAD AND GUIDE RAIL ON SHOULDER.

STAGE III: (ONLY REQUIRED FOR WINTER SHUTDOWN)
SHIFT OFFRAMP TRAFFIC TO REPLACEMENT STRUCTURE, WINTER SHUTDOWN IF REQUIRED. COMMISSION REPLACEMENT TRANSMIT ANTENNAS. STAGE III SHALL BEGIN ONLY WHEN STAGE IIB IS COMPLETED AND THE BRIDGE CONSTRUCTED AT THIS POINT IS DEEMED SAFE FOR TRAFFIC USE.

STAGE IV A:
MODIFY TEMPORARY SUPPORT OF EXCAVATION AS REQUIRED. SHIFT TRAFFIC TO NORTH HALF AND REMOVE SOUTH HALF OF EXISTING BRIDGE. USE SHOULDER CLOSURES ON I-87 MAIN LINE AS REQUIRED.

STAGE IV B:
CONSTRUCT REPLACEMENT STRUCTURE SOUTH HALF. USE SHOULDER CLOSURES ON I-87 MAIN LINE AS REQUIRED. INSTALL NEW PAVEMENT ON SOUTH SIDE OF THE ROAD AND GUIDE RAIL ON SHOULDER AND MEDIAN.

STAGE IV C:
CONSTRUCT BRIDGE CENTERLINE CLOSURE. INSTALL NEW BRIDGE APPROACH MEDIAN GUIDE RAIL AND BRIDGE DECK CLOSURE POURS.

STAGE V:
REMOVE TEMPORARY MEASURES ASSOCIATED WITH THE EXISTING MEDIAN GUIDE RAIL AND CONSTRUCT APPROACH MEDIAN GUIDE RAIL.

STAGE VI:
REMOVE WZTC TEMPORARY POSITIVE BARRIERS, SIGNS, INTERIM PAVEMENT MARKINGS, AND ANY COVERS. INSTALL ANY REMAINING PERMANENT PAVEMENT MARKINGS. REMOVE AND REPLACE REMAINING PORTION OF MEDIAN BARRIER BEYOND BRIDGE AND APPROACH RECONSTRUCTION LIMITS. OPEN TO TRAFFIC.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	WZTC NOTES (SHEET 1 OF 1)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	TCN-01

TEXT NUMBER	TEXT	MUTCD NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
1	STATE LAW LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS	NYR9-11	24x48 RAMP 48x84 HIGHWAY	WHITE	BLACK	
2	ROAD WORK AHEAD	W20-1	48x48	ORANGE	BLACK	
3	ONE LANE ROAD AHEAD	W20-4	48x48	ORANGE	BLACK	
4	30 MPH	W13-1P	30x30	YELLOW	BLACK	
5		W3-3	48x48	ORANGE	BLACK	
6	STOP HERE ON RED	R10-6L	24x36	WHITE	BLACK	
7		OM3-L OM3-R	12x36	YELLOW	BLACK	
8	RAMP NARROWS	W5-4	48x48	ORANGE	BLACK	
9		R4-7	36X48	WHITE	BLACK	

TEXT NUMBER	TEXT	MUTCD NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
10		W1-6L	48x24	ORANGE	BLACK	
11		W1-6R	48x24	ORANGE	BLACK	
12	LEFT SHOULDER CLOSED AHEAD	W21-05bL	48x48	ORANGE	BLACK	
13	LEFT SHOULDER CLOSED	W21-05aL	48x48	ORANGE	BLACK	
14	RIGHT SHOULDER CLOSED AHEAD	W21-05bR	48x48	ORANGE	BLACK	
15	RIGHT SHOULDER CLOSED	W21-05aR	48x48	ORANGE	BLACK	
16	END ROAD WORK	G20-2	48x24	ORANGE	BLACK	
17		W4-3R	48x48	YELLOW	BLACK	
18		W1-4R	48x48	ORANGE	BLACK	
19		W1-4L	48x48	ORANGE	BLACK	
20		W1-2R	48x48	YELLOW	BLACK	

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN

ALTERED ON:	AFFIXED ON: 08/262025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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REVISIONS

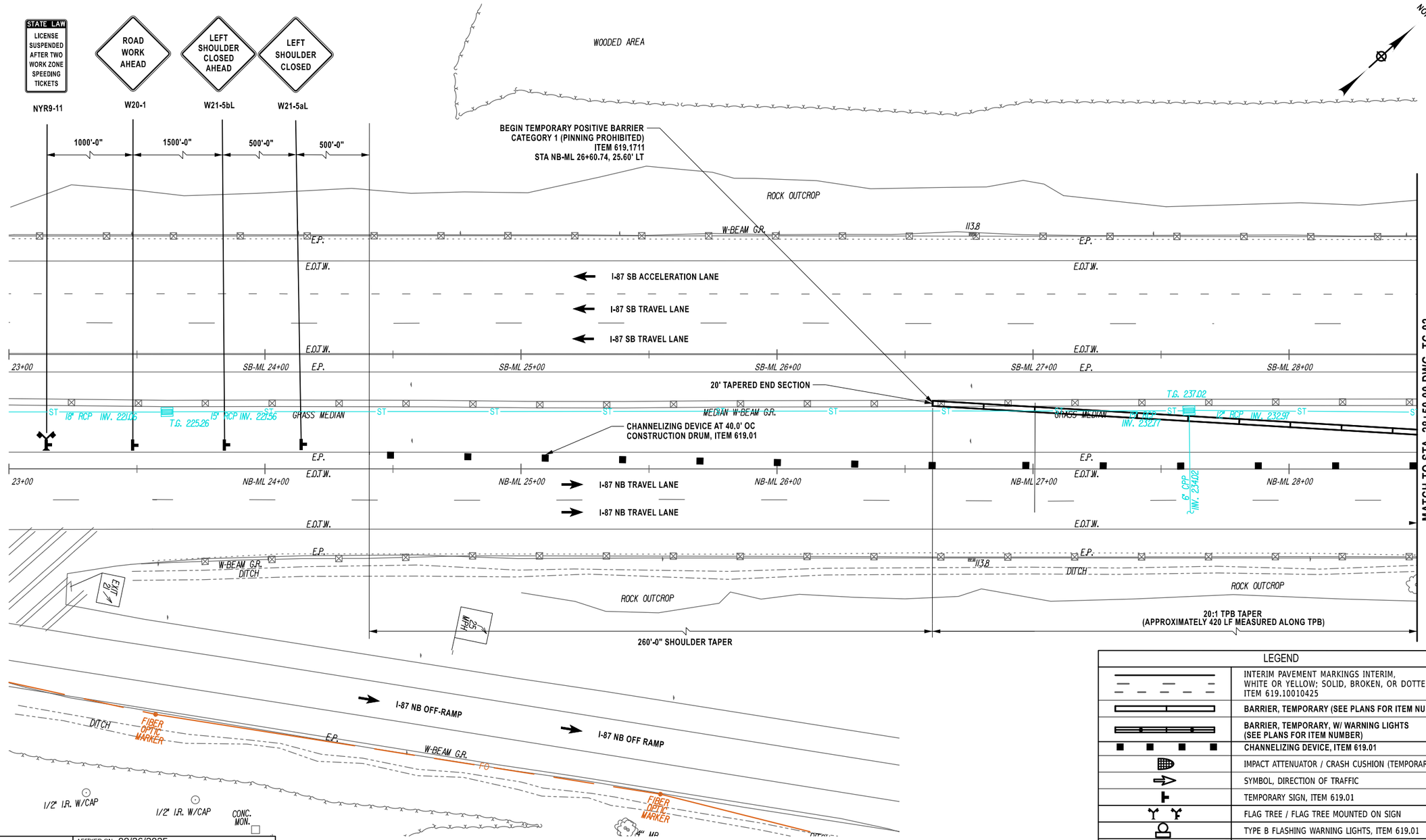
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING SIGN TABLE (SHEET 1 OF 1)	DRAWING NUMBER: SGD-01



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE / FLAG TREE MOUNTED ON SIGN
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. **SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.**

M.P. 113.89, BIN 5513230

DESIGNED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

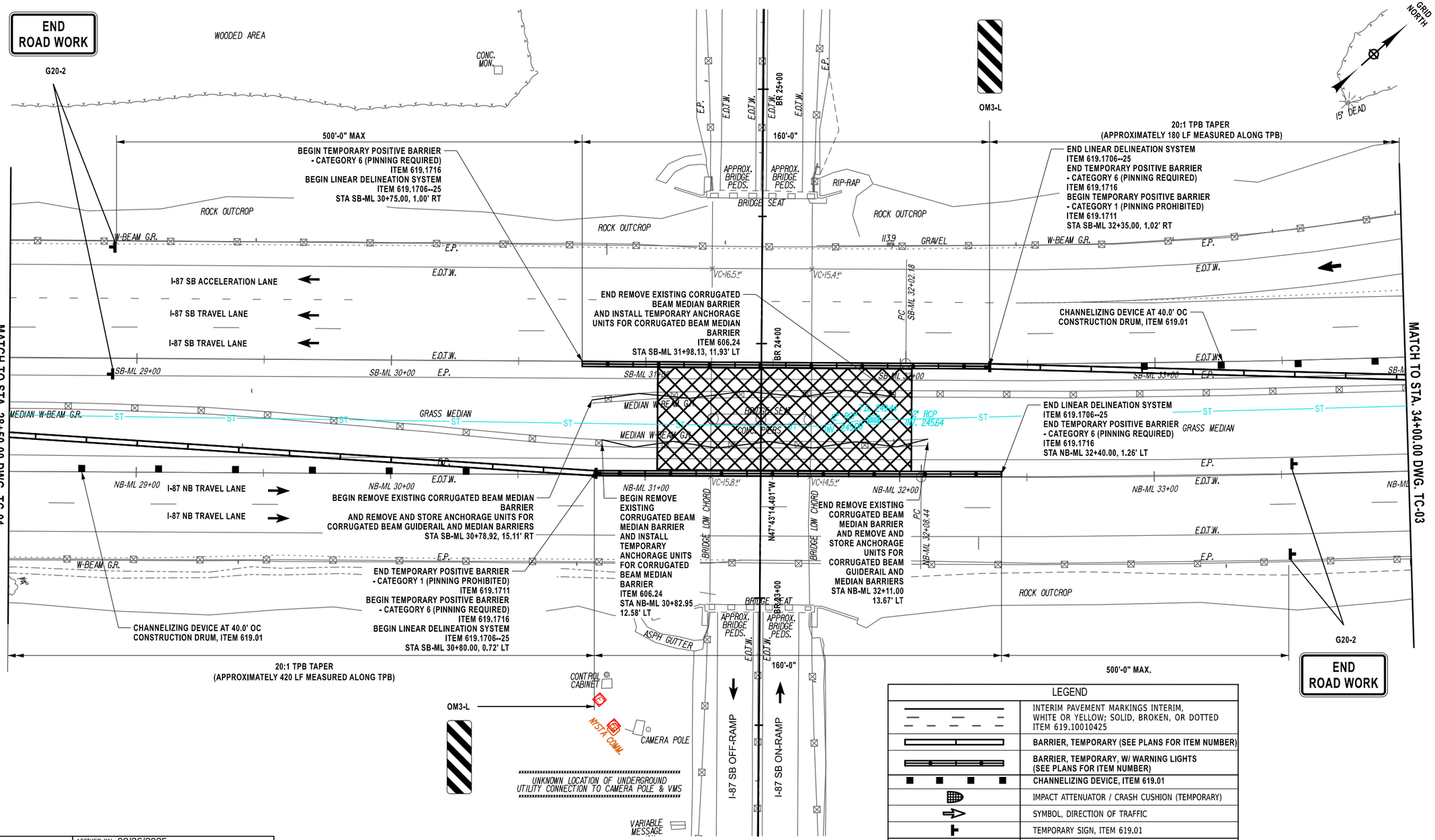
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: MEDIAN SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL SHEET (1 OF 3)	DRAWING NUMBER: TC-01

DESIGNED BY: J. FARKAS
DRAFTED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE / FLAG TREE MOUNTED ON SIGN
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.
2. REMOVAL AND STORAGE OF ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER SHALL BE PAID FOR UNDER ITEM 606.5910.

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
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

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
MEDIAN SHOULDER CLOSURE
WORK ZONE TRAFFIC CONTROL
(SHEET 2 OF 3)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
TC-02

GRID NORTH

W21-5aL

LEFT SHOULDER CLOSED

ROAD WORK AHEAD

W20-1

ROCK OUTCROP

W-BEAM G.R.

500'-0"

E.P.

E.O.T.W.

I-87 SB ON-RAMP

20:1 TPB TAPER (APPROXIMATELY 180 LF MEASURED ALONG TPB)

260'-0" SHOULDER TAPER

TAPER

LEFT SHOULDER CLOSED

W21-5aL

500'-0"

WIDE

LEFT SHOULDER CLOSED AHEAD

W21-5bL

500'-0"

ROAD WORK AHEAD

W20-1

1500'-0"

STATE LAW
LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS

NYR9-11

1000'-0"

MATCH TO STA. 34+00.00 DWG. TC-02

I-87 SB TRAVEL LANE

I-87 SB TRAVEL LANE

TEMPORARY IMPACT ATTENUATOR (TEST LEVEL 3) ITEM 619.1803

L 34+00

SB-ML 35+00

SB-ML 36+00

SB-ML 37+00

SB-ML 38+00

SB-ML 39+00

MEDIAN W-BEAM G.R.

ST

12" RCP
INV. 252.40

T.G. 256.35

END TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED)
ITEM 619.1711
STA SB-BL 34+14.66, 8.85' RT

GRASS MEDIAN

CHANNELIZING DEVICE AT 40.0' OC
CONSTRUCTION DRUM, ITEM 619.01

34+00

NB-ML 35+00

NB-ML 36+00

NB-ML 37+00

NB-ML 38+00

NB-ML 39+00

I-87 NB TRAVEL LANE

I-87 NB TRAVEL LANE

W-BEAM G.R.

MERGE

I-87 NB ON-RAMP

(QL-D)

FO

LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE / FLAG TREE MOUNTED ON SIGN
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40

1" = 40'

NOTES:

1. **SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.**

M.P. 113.89, BIN 5513230

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21

LOCATION OF PROJECT: ALBANY DIVISION MP 113.89

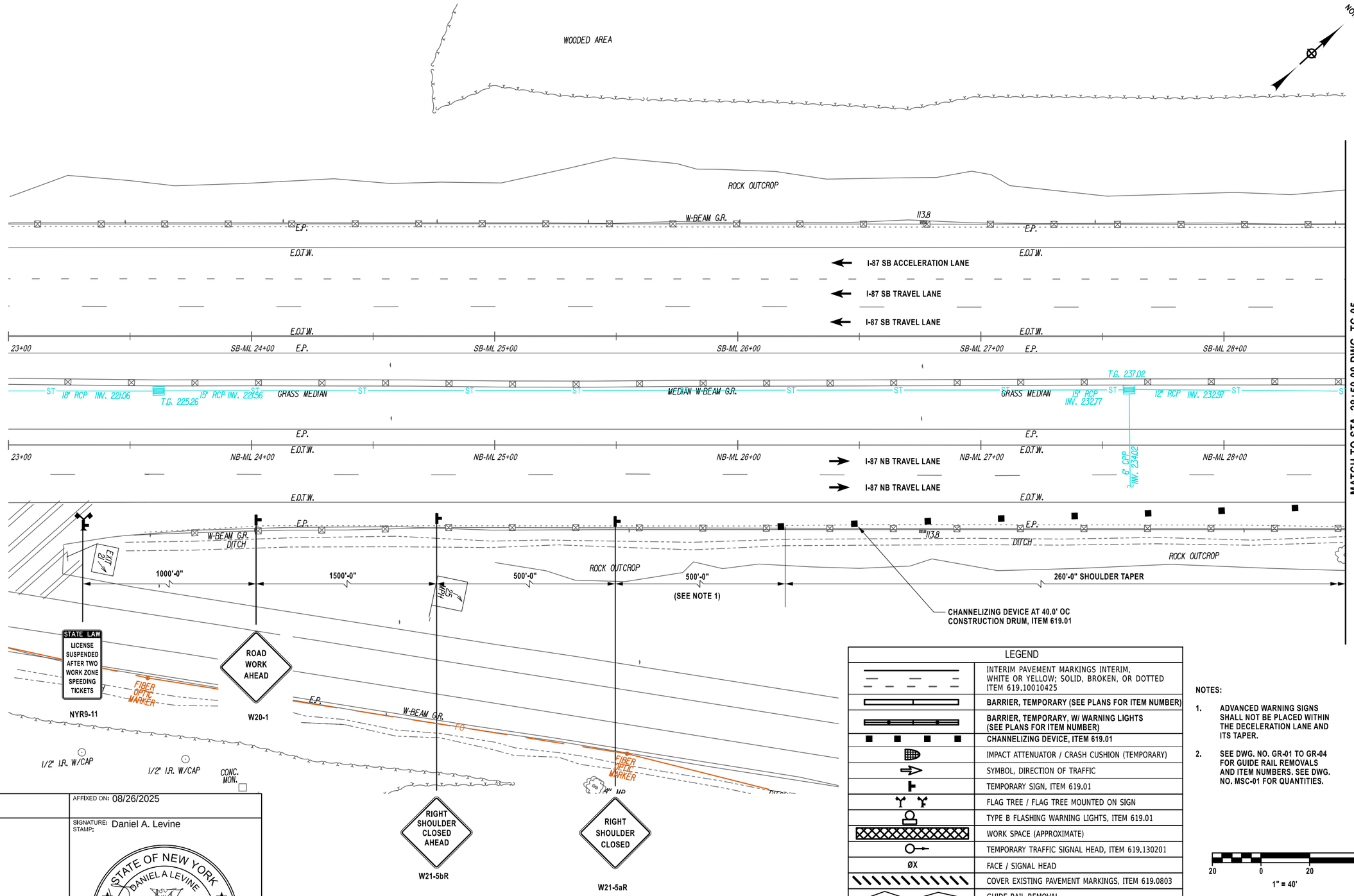
TITLE OF DRAWING: MEDIAN SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL (SHEET 3 OF 3)

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: TC-03

GRID NORTH



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE / FLAG TREE MOUNTED ON SIGN
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

NOTES:

1. ADVANCED WARNING SIGNS SHALL NOT BE PLACED WITHIN THE DECELERATION LANE AND ITS TAPER.
2. SEE DWG. NO. GR-01 TO GR-04 FOR GUIDE RAIL REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

DESIGNED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · 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.

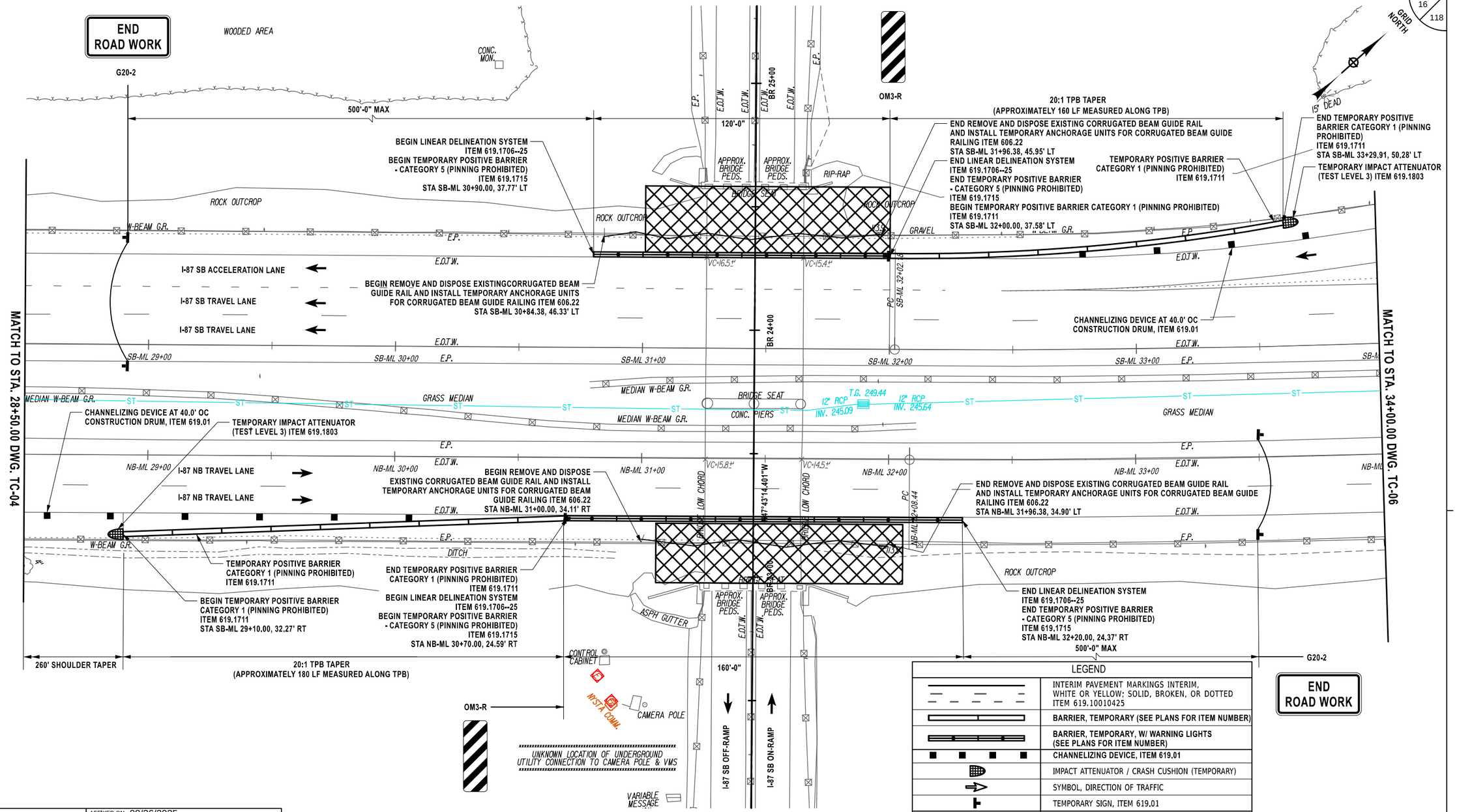
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: RIGHT SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL (SHEET 1 OF 3)	DRAWING NUMBER: TC-04

DESIGNED BY: J. FARKAS
DRAFTED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE / FLAG TREE MOUNTED ON SIGN
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

END ROAD WORK

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

NOTES:

1. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK · DANIEL A LEVINE · 097330 · 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

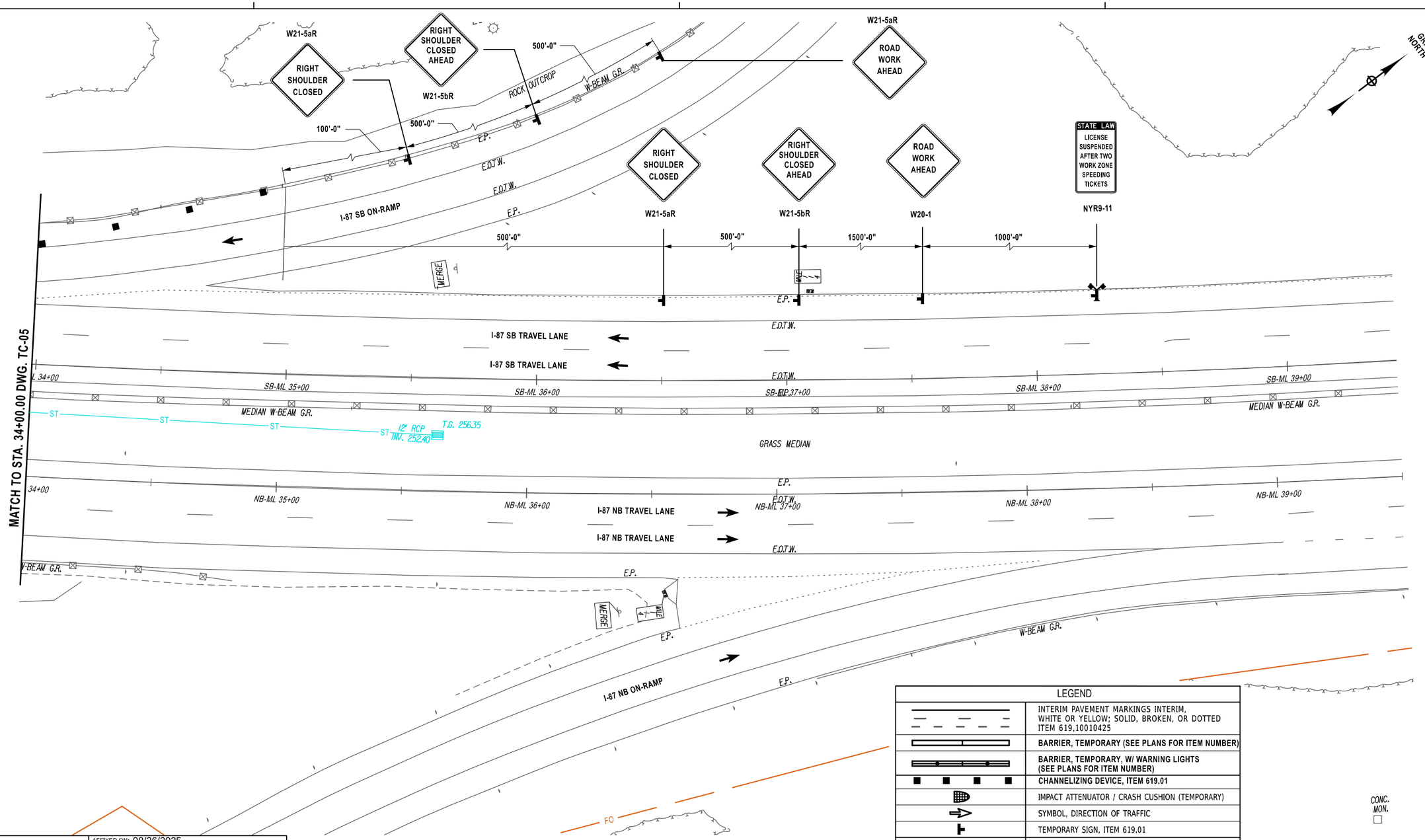
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: RIGHT SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL (SHEET 2 OF 3)	DRAWING NUMBER: TC-05

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE / FLAG TREE MOUNTED ON SIGN
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

NOTES:

1. **SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.**

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: RIGHT SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL (SHEET 3 OF 3)	DRAWING NUMBER: TC-06

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

INSTALL TEMPORARY ANCHORAGE UNIT FOR EXISTING CORRUGATED BEAM GUIDE RAIL
ITEM 606.24
BEGIN REMOVE AND DISPOSE CORRUGATED BEAM MEDIAN BARRIER
STA BR 18+69.25

INTERIM PAVEMENT MARKING
SOLID WHITE EDGE LINE
(REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425
(TYP.)

BEGIN TEMPORARY POSITIVE BARRIER CATEGORY 3 (PINNING PROHIBITED)
ITEM 619.1713
BEGIN LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
STA BR 18+44.25, 9.90' LT

TEMPORARY POSITIVE BARRIER PI
STA BR 20+24.38, 9.66' RT

TEMPORARY POSITIVE BARRIER PI
BEGIN LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
STA BR 18+44.25, 14.07' RT

TEMPORARY POSITIVE BARRIER PI
STA BR 20+05.39, 9.52' LT

BEGIN TEMPORARY POSITIVE BARRIER CATEGORY 3 (PINNING PROHIBITED) AND 20' TAPERED END SECTION
ITEM 619.1713
STA BR 17+86.86, .52' RT

MATCH TO STA. 20+14.89 DWG: TC-08

NYR9-11
STATE LAW
LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS

W20-1
ROAD WORK AHEAD

W13-1P
30 MPH

W1-4R

W4-3R

W1-4L

W1-6R

END ROAD WORK
G20-2

100'-0"
85'-0" TAPER
135'-0" TAPER
165'-0" TAPER
500'-0" MAX

11'-0" LANE
12'-0" LANE
14'-0" LANE

I-87 NB/SB OFF-RAMP
I-87 NB OFF-RAMP
I-87 SB OFF-RAMP
I-87 NB/SB ON-RAMP
I-87 NB ON-RAMP
I-87 SB ON-RAMP

BR 16+00
BR 17+00
BR 18+00
BR 19+00
BR 20+00

POC BR 17+28.15
POC BR 18+28.63

E.O.T.W.
E.P.
F.O.
(OLD) GAS FIBER
FIBER OPTIC MARKER

ELECTRONIC TOLLING AHEAD
NO E-ZPASS - CALL *6826
WE WILL BILL YOU

TOLLS BY MAIL
CALL PAYMENT OPTIONS
AVOID PENALTIES
*6826

I-87 NORTH ALBANY
MASS TPKE
I-87 NY CITY

CONC. MON.

WOODED AREA
ROCK OUTCROP

WRONG WAY

LEGEND

	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR GUIDE RAIL REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.
3. REMOVAL OF TEMPORARY ANCHORAGE UNITS FOR GUIDE RAILINGS AND MEDIAN BARRIERS IS PAID FOR UNDER ITEM 606.7910.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · 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

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

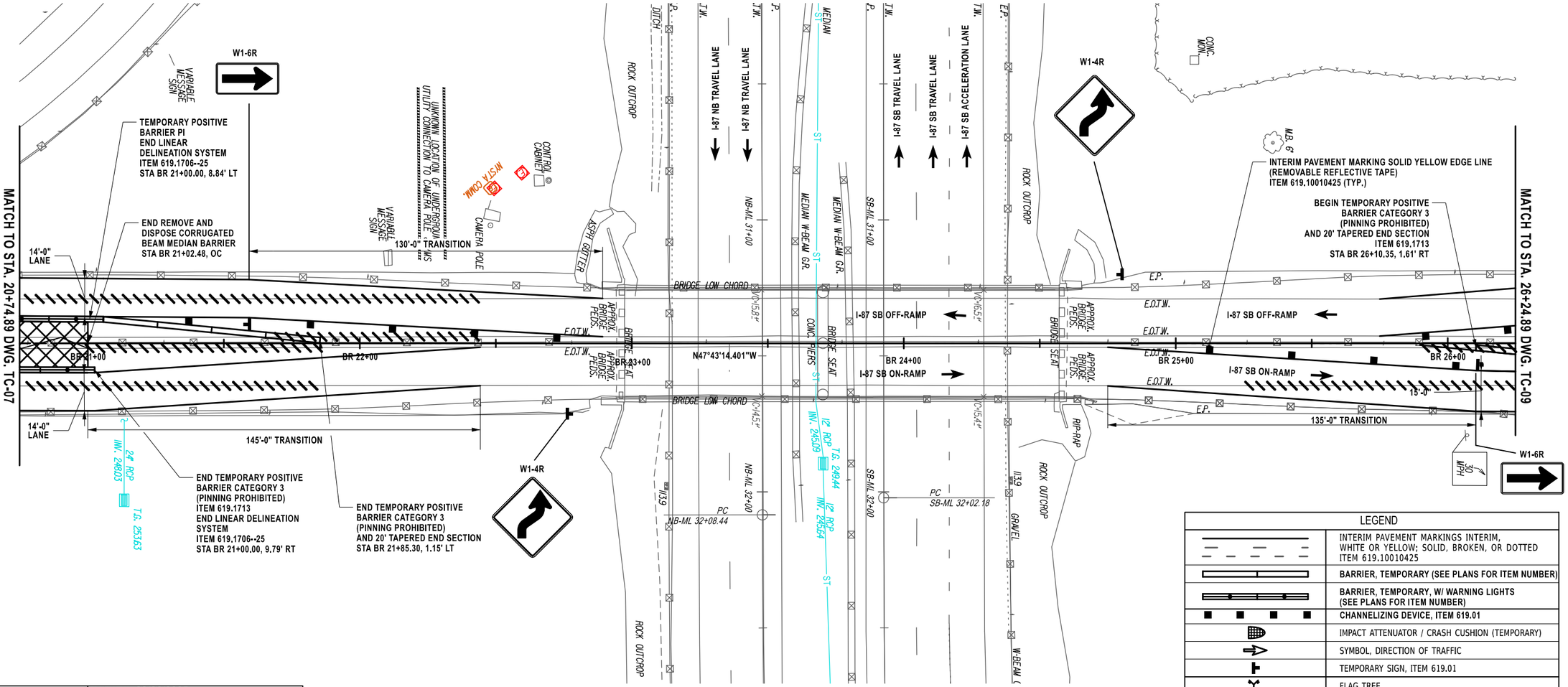
TITLE OF DRAWING
STAGE I
WORK ZONE TRAFFIC CONTROL
(SHEET 1 OF 3)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
TC-07

GRID NORTH



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR GUIDE RAIL REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

DESIGNED BY: J. FARKAS
DRAFTED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 08/26/2025
SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
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

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: STAGE I WORK ZONE TRAFFIC CONTROL (SHEET 2 OF 3)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: TC-08

GRID NORTH

CONC. MON.

CONC. MON.

CONC. MON.

CONC. MON.

W1-4L

LEFT SHOULDER CLOSED

TEMPORARY POSITIVE BARRIER PC
BR 27+71.33
OFF-RAMP 11.06' LT
ON-RAMP 11.74' RT

BEGIN LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
BEGIN TEMPORARY POSITIVE BARRIER
CATEGORY 3 (PINNING PROHIBITED)
ITEM 619.1713
RADIUS = 346.50'
STA BR 27+09.94, 11.98' LT

14'-0" LANE

135'-0" TRANSITION

MATCH TO STA. 26+24.89 DWG. TC-08

E.O.T.W.

BR 27+00

E.O.T.W.

E.O.T.W.

E.P.

I-87 SB OFF-RAMP

E.O.T.W.

E.O.T.W.

E.O.T.W.

BR 28+00

E.O.T.W.

I-87 SB ON-RAMP

E.P.

PC BR 27+71.33

BEGIN REMOVE AND DISPOSE CORRUGATED BEAM MEDIAN BARRIER
STA 27+10.00

13'-3" LANE

TEMPORARY POSITIVE BARRIER PI
BEGIN LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
STA BR 27+09.99, 12.57' RT

INTERIM PAVEMENT MARKING
SOLID WHITE EDGE LINE
(REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425
(TYP.)

W1-4L

BR 29+00

INSTALL TEMPORARY ANCHORAGE UNIT FOR
EXISTING CORRUGATED BEAM GUIDE RAIL
ITEM 606.24
STA BR 29+77.75

END BEGIN LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
END TEMPORARY POSITIVE BARRIER
CATEGORY 3 (PINNING PROHIBITED)
ITEM 619.1713
RADIUS = 302.50'
STA BR 30+04.75, 11.46' RT

END REMOVE AND DISPOSE CORRUGATED BEAM MEDIAN BARRIER
STA 30+04.75

TEMPORARY POSITIVE BARRIER PT
END LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
RADIUS = 346.50'
STA BR 30+04.75, 10.55' LT

14'-0" LANE

13'-0" LANE

BR 30+00

E.P.

E.O.T.W.

E.O.T.W.

E.O.T.W.

E.O.T.W.

E.P.

130'-0" TRANSITION

END TEMPORARY POSITIVE BARRIER CATEGORY 3 (PINNING PROHIBITED) AND 20' TAPERED END SECTION
ITEM 619.1713
STA BR 30+81.84

500'-0" MAX

W1-6R

W1-4R

85'-0" TRANSITION

30 MPH

W13-1P

100'-0"

100'-0"

100'-0"

ROAD WORK AHEAD

W20-1

STATE LAW
LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS

NYR9-11

G20-2

END ROAD WORK

LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.

2. SEE DWG. NO. GR-01 TO GR-04 FOR GUIDE RAIL REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

M.P. 113.89, BIN 5513230

DESIGNED BY: J. FARKAS
DRAFTED BY:
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
STAGE I
WORK ZONE TRAFFIC CONTROL
(SHEET 3 OF 3)

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

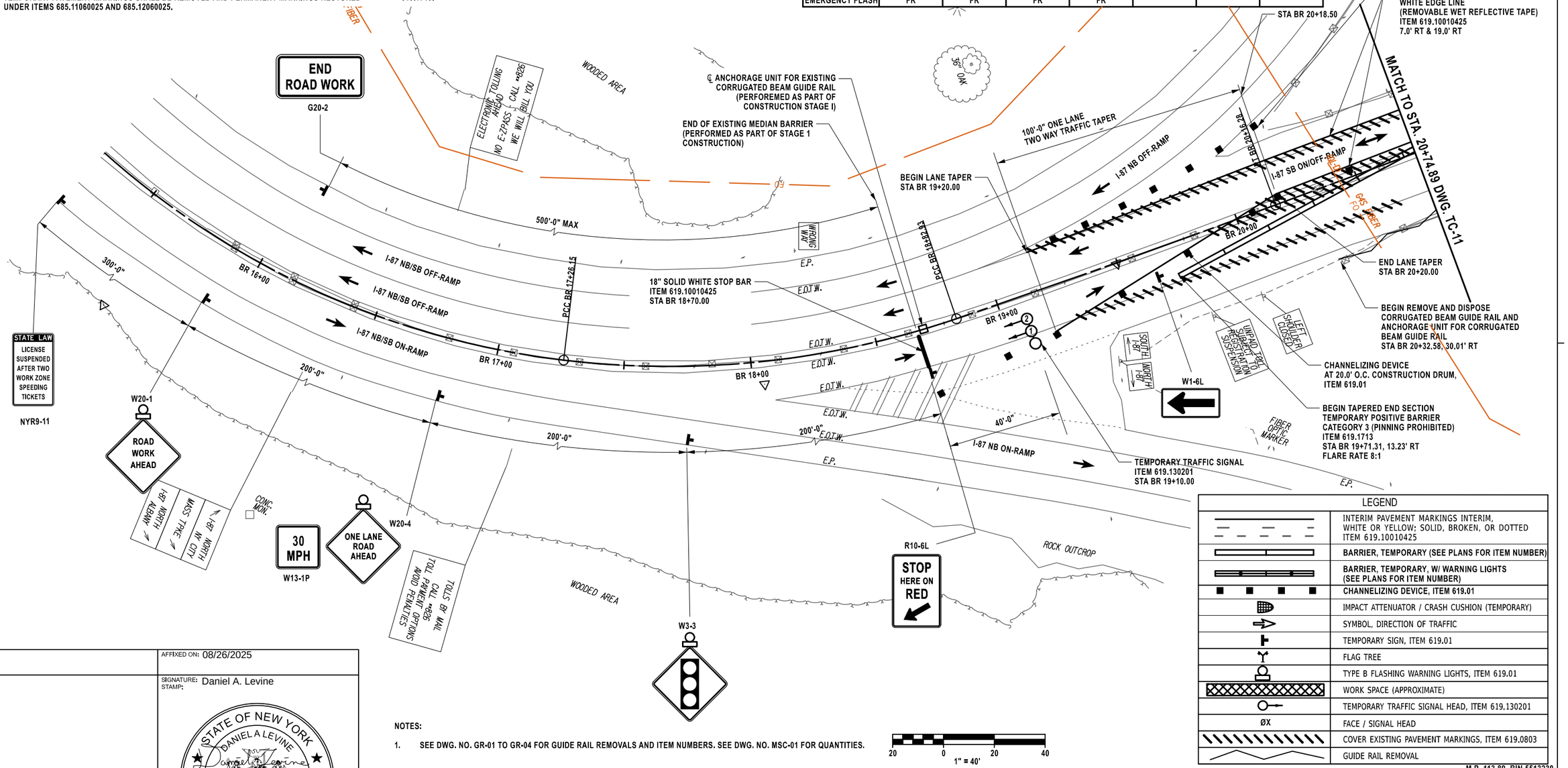
DRAWING NUMBER: TC-09

NOTE:

1. TEMPORARY TRAFFIC SIGNAL SHALL BE A PORTABLE TRAFFIC SIGNAL IN ACCORDANCE WITH NYSDOT MATERIAL SPECIFICATION 729-20, INSTALLED USING ITEM 619.130201.
2. FLASHING WARNING LIGHTS ARE REQUIRED ON THE W3-3 SIGNAL AHEAD SIGN. FLASHING WARNING LIGHTS ARE AN OPTION ON THE ROAD WORK AHEAD SIGN (W20-1) AND ONE LANE ROAD AHEAD SIGNS (W20-4) AND MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY, AS DETERMINED BY THE ENGINEER. FLASHING WARNING LIGHTS TO BE PAID FOR UNDER ITEM 619.01.
3. REFER TO MUTCD FOR ADDITIONAL TRAFFIC SIGNAL REQUIREMENTS.
4. DETECTORS SHALL BE INSTALLED ON APPROACH LANES AND ALL PHASES SHALL BE ACTUATED.
5. STOP BARS (ITEM 619.10010425) SHALL BE INSTALLED WITH TEMPORARY TRAFFIC SIGNALS. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE COVERED WITH REMOVABLE TAPE (ITEM 619.0803). AFTER THE TEMPORARY TRAFFIC SIGNAL IS REMOVED, THE STOP LINES AND ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND PERMANENT MARKINGS RESTORED UNDER ITEMS 685.11060025 AND 685.12060025.
6. ADJUSTMENTS IN THE LOCATION OF ADVANCED WARNING SIGNS SHOULD BE MADE TO ACCOMMODATE THE HORIZONTAL AND VERTICAL ALIGNMENT OF THE ROADWAY. RECOGNIZING THAT THE DISTANCES SHOWN FOR SIGN SPACINGS ARE MINIMUMS, ADJUSTMENT IN THE HEIGHT OF THE SIGNAL HEAD SHALL BE MADE AS NEEDED TO CONFORM TO THE VERTICAL ALIGNMENT.
7. ALL CONFLICTING SIGNS AND MARKINGS SHALL BE COVERED.
8. CONTRACTOR SHALL GET LOCATION OF UNITS APPROVED BY EIC BEFORE PLACING UNITS.
9. PORTABLE TRAFFIC SIGNAL UNITS SHALL COME EQUIPPED WITH VEHICLE DETECTION CAPABILITIES AND BE ABLE TO COMMUNICATE WITH EACH OTHER. PORTABLE SIGNALS SHALL EITHER BE SOLAR POWERED OR HARD WIRED, BOTH KINDS SHALL HAVE BATTERY BACKUPS.
10. STAGE II AND STAGE IV WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDOT WZTC STANDARD SHEET 619-524.
11. FLASHING LIGHTS ON TEMPORARY POSITIVE BARRIERS SHALL BE PAID FOR UNDER ITEM 619.1719.

OPERATIONAL SCHEDULE FOR TEMPORARY TRAFFIC SIGNALS

PHASE	FACE				TIMING (SEC)		
	1	2	3	4	INITIAL	EXTENSION	TIME
Ø1	G	G	R	R	8	6	30
1ST CLEARANCE	Y	Y	R	R			4.5
2ND CLEARNACE	R	R	R	R			30
Ø2	R	R	G	G	8	6	30
1ST CLEARANCE	R	R	Y	Y			4.5
2ND CLEARANCE	R	R	R	R			30
Ø3	R	R	R	R			1
1ST CLEARANCE	R	R	R	R			0.5
2ND CLEARANCE	R	R	R	R			0.5
EMERGENCY FLASH	FR	FR	FR	FR			



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

M.P. 113.89, BIN 5513230

NOTES:

1. SEE DWG. NO. GR-01 TO GR-04 FOR GUIDE RAIL REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

20 0 20 40
1" = 40'

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: STAGE II WORK ZONE TRAFFIC CONTROL (SHEET 1 OF 3)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: TC-10

GRID NORTH

MATCH TO STA. 20+74.89 DWG. TC-10

MATCH TO STA. 26+24.89 DWG. TC-12

END TEMPORARY POSTIVE BARRIER
CATEGORY 3 (PINNING PROHIBITED)
ITEM 619.1713
BEGIN TEMPORARY POSITIVE BARRIER
CATEGORY 6 (PINNING REQUIRED)
ITEM 619.1716
BEGIN LINEAR DELINEATION SYSTEM
ITEM 619.1706-25
STA BR 20+90.00
3.83' LT.

VARIABLE MESSAGE SIGN

VARIABLE MESSAGE SIGN

UNKNOWN UTILITY CONNECT

CONTROL CABINET

MSTA

ROCK OUTCROP

ASPH. GUTTER

DITCH

I-87 NB TRAVEL LANE

I-87 NB TRAVEL LANE

I-87 SB TRAVEL LANE

I-87 SB TRAVEL LANE

I-87 SB ACCELERATION LANE

MEDIAN ST

MEDIAN W-BEAM GR.

MEDIAN W-BEAM GR.

I.W.

E.P.

P.

CONC. MON.

M.B. 6

INTERIM PAVEMENT MARKING
SOLID WHITE EDGE LINE
(REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425
4.0' RT & 18.0' RT

SHOULDER WIDTH VARIES
(1.0' MIN.)

1.0' SHOULDER

BRIDGE LOW CHORD

12.0' MIN. LANE
SHOULDER WIDTH VARIES (1.0' MIN.)

12.0' ALT. LANE
1.67' SHOULDER

I-87 SB ON/OFF-RAMP

BR 21+90

BR 22+00

BR 23+00

N47°43'14"W

BR 24+80

BR 25+00

BR 26+80

E.O.T.W.

BRIDGE APPROACH PEDESTRIAN RAILING

24" RCP
INV. 24603

T.C. 25363

OM3-R

END REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL
STA BR 22+94.10, 20.48' RT

I139

NB-ML 32+00

PC
NB-ML 32+08.44

12" RCP
INV. 24609

T.C. 24944

12" RCP
INV. 24564

SB-ML 32+00

PC
SB-ML 32+02.18

RIP-RAP

ROCK OUTCROP

GRAVEL

W-BEAM GR.

BEGIN REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL
STA BR 24+59.54, 20.40' RT

30" MH

LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

ALTERED ON:
AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
STAGE II
WORK ZONE TRAFFIC CONTROL
(SHEET 2 OF 3)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
TC-11

GRID NORTH

CONC. MON.

CONC. MON.

CONC. MON.

W1-6R

LEFT SHOULDER CLOSED

STOP HERE ON RED

R10-6L

TEMPORARY TRAFFIC SIGNAL
ITEM 619.130201
STA BR 29+38.50

40'-0"

200'-0"

18" SOLID WHITE LINE
ITEM 619.10010425
STA BR 29+79.00

W3-3

WOODED AREA

ONE LANE ROAD AHEAD

W20-4

30 MPH

W13-1P

200'-0"

ROAD WORK AHEAD

W20-1

200'-0"

300'-0"

500'-0" MAX

BEGIN LANE TAPER
STA BR 27+90.00

CHANNELIZING DEVICE AT 20.0' O.C. CONSTRUCTION DRUM, ITEM 619.01

INTERIM PAVEMENT MARKING SOLID WHITE EDGE LINE (REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425
4.0' RT & 18.0' RT

SHLDR WIDTH VARIES

12.0' ALT. LANE

SHLDR WIDTH VARIES

E.P.

E.O.T.W.

I-87 SB ON/OFF-RAMP

BR 28+00

BR 29+00

I-87 SB OFF-RAMP
BR 30+00

I-87 SB ON-RAMP

BR 31+00

TAPERED END SECTION
ITEM 619.1713
STA BR 28+30.72, 13.43' RT
FLARE RATE 8:1

END LANE TAPER
STA BR 28+90.00

100'-0" ONE-LANE TWO-WAY TRAFFIC TAPER

℄ ANCHORAGE UNIT FOR EXISTING CORRUGATED BEAM GUIDE RAIL (PERFOREMED AS PART OF CONSTRUCTION STAGE I)

PC-BR 27+71.33

MATCH TO STA. 26+24.89 DWG. TC-11

END TEMPORARY POSITIVE BARRIER
CATEGORY 6 (PINNING REQUIRED)
ITEM 619.1716
END LINEAR DELINEATION SYSTEM
ITEM 619.1706--25
BEGIN TEMPORARY POSITIVE BARRIER
CATEGORY 3 (PINNING PROHIBITED)
STA BR 27+10.00, 3.84' LT

OM3-L

END REMOVE AND DISPOSE CORRUGATED BEAM GUIDE RAIL
STA BR 26+45.29, 26.96' RT

R4-7

G20-2

END ROAD WORK

STATE LAW
LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS

NYR9-11

LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.

2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
LICENSED PROFESSIONAL ENGINEER
097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
STAGE II
WORK ZONE TRAFFIC CONTROL
(SHEET 3 OF 3)

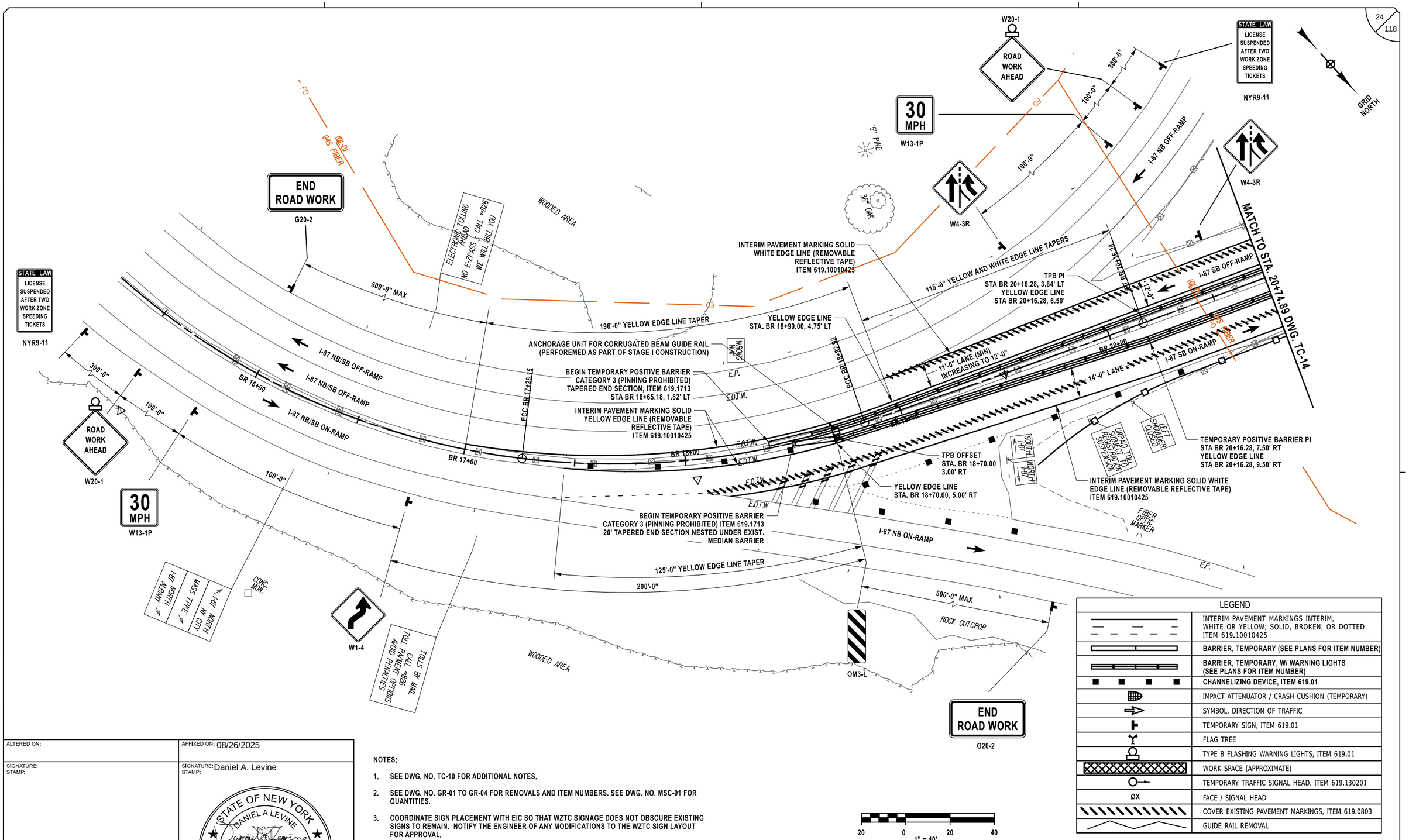
CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
TC-12

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

DESIGNED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.
3. COORDINATE SIGN PLACEMENT WITH EIC SO THAT WZTC SIGNAGE DOES NOT OBSCURE EXISTING SIGNS TO REMAIN. NOTIFY THE ENGINEER OF ANY MODIFICATIONS TO THE WZTC SIGN LAYOUT FOR APPROVAL.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: STAGE III WORK ZONE TRAFFIC CONTROL (SHEET 1 OF 3)	DRAWING NUMBER: TC-13

GRID NORTH

MATCH TO STA. 20+74.89 DWG. TC-13

MATCH TO STA. 26+24.89 DWG. TC-15

W5-4

RAMP NARROWS

VARIABLE MESSAGE SIGN

END TEMPORARY POSITIVE BARRIER
CATEGORY 3, ITEM 619.1713
BEGIN TEMPORARY POSITIVE BARRIER
CATEGORY 6, ITEM 619.1716
STA BR 20+90.00, 3.84' LT

INTERIM PAVEMENT MARKING
SOLID WHITE EDGE LINE
(REMOVABLE REFLECTIVE TAPE)
ITEM 619,10010425

VARIABLE MESSAGE SIGN

NYSTA COMM.

CONTROL CABINET

ROCK OUTCROP

ASPH. GUTTER

DITCH

E.P.

T.W.

NB-ML 31+00

MEDIAN

ST

SB-ML 31+00

ROCK OUTCROP

CONC. MON.

M.B. 6"

INTERIM PAVEMENT MARKING SOLID YELLOW
EDGE LINE (REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425
OFFSET 6.50' LT

START I-7 SB ON-RAMP LANE SHIFT
STA BR 26+21.50

I-87 SB OFF-RAMP

12'-0" LANE

1'-8" SHLDR

E.O.T.W.

BR 21+00

BR 22+00

BR 23+00

N47°43'14.401"W

BR 24+00

BR 25+00

BR 26+00

1'-0" SHLDR

14'-0" LANE

I-87 SB ON-RAMP

24" RCP
INV. 24803

T.G. 25363

INTERIM PAVEMENT MARKING
SOLID WHITE EDGE LINE
(REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425

INTERIM PAVEMENT MARKING
SOLID YELLOW EDGE LINE
(REMOVABLE REFLECTIVE TAPE)
ITEM 619.10010425
OFFSET 9.50' LT

END TEMPORARY POSITIVE BARRIER
CATEGORY 3, ITEM 619.1713
BEGIN TEMPORARY POSITIVE BARRIER
CATEGORY 5, ITEM 619.1715
STA BR 22+82.33, 7.50' RT

I39

PC
NB-ML 32+08.44

12" RCP
INV. 24509

T.G. 24944

12" RCP
INV. 24564

PC
SB-ML 32+02.18

GRAVEL

W-BEAM

RIP-RAP

ROCK OUTCROP

END TEMPORARY POSITIVE BARRIER
CATEGORY 5, ITEM 619.1715
BEGIN TEMPORARY POSITIVE BARRIER
CATEGORY 3, ITEM 619.1713
STA BR 24+60.22, 7.50' RT

W1-4L

30 MPH

LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

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AFFIXED ON: 08/26/2025

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SIGNATURE: Daniel A. Levine
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LICENSED PROFESSIONAL ENGINEER
097330

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

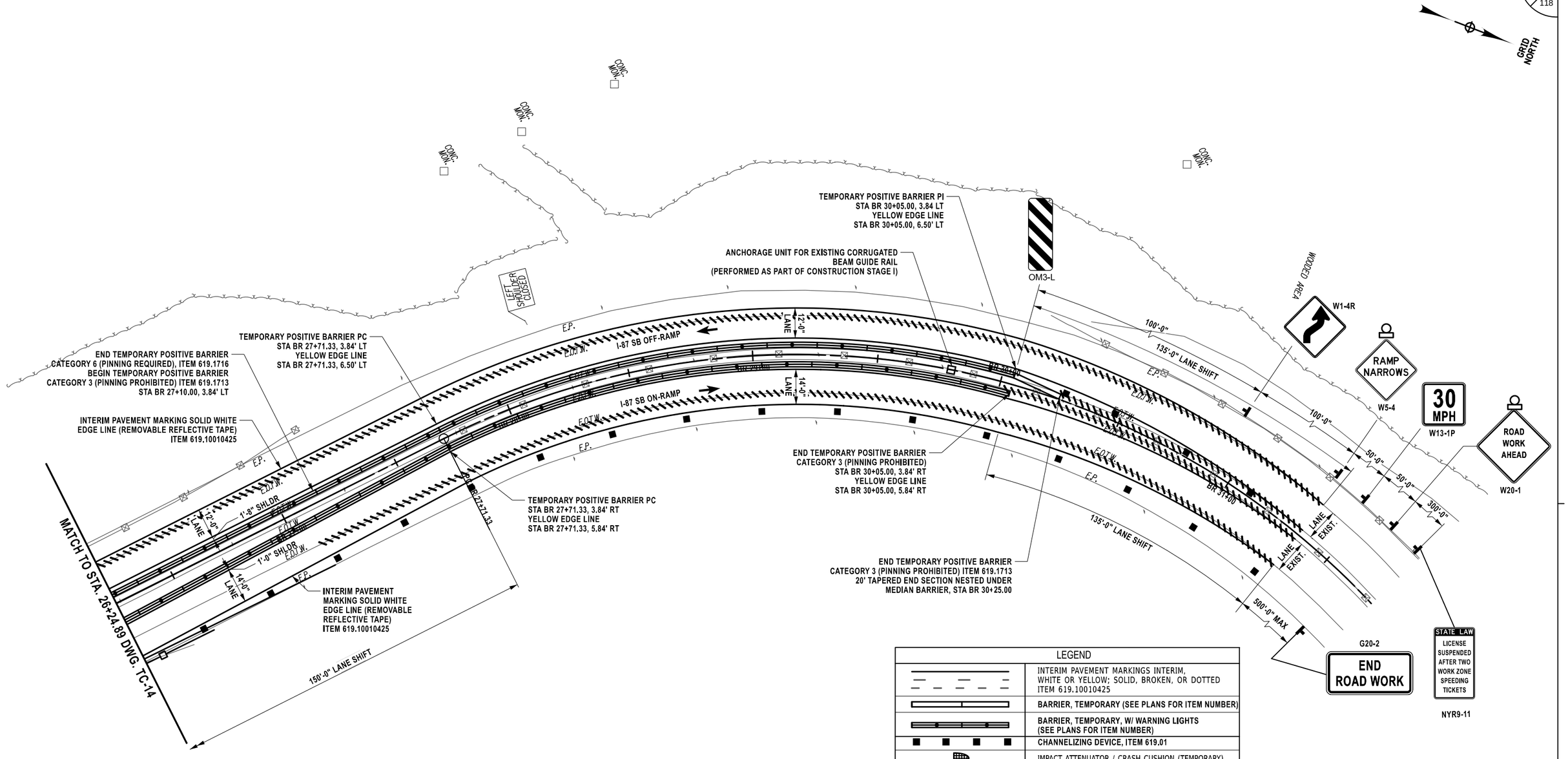
TITLE OF DRAWING
STAGE III
WORK ZONE TRAFFIC CONTROL
(SHEET 2 OF 3)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
TC-14

DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGNED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

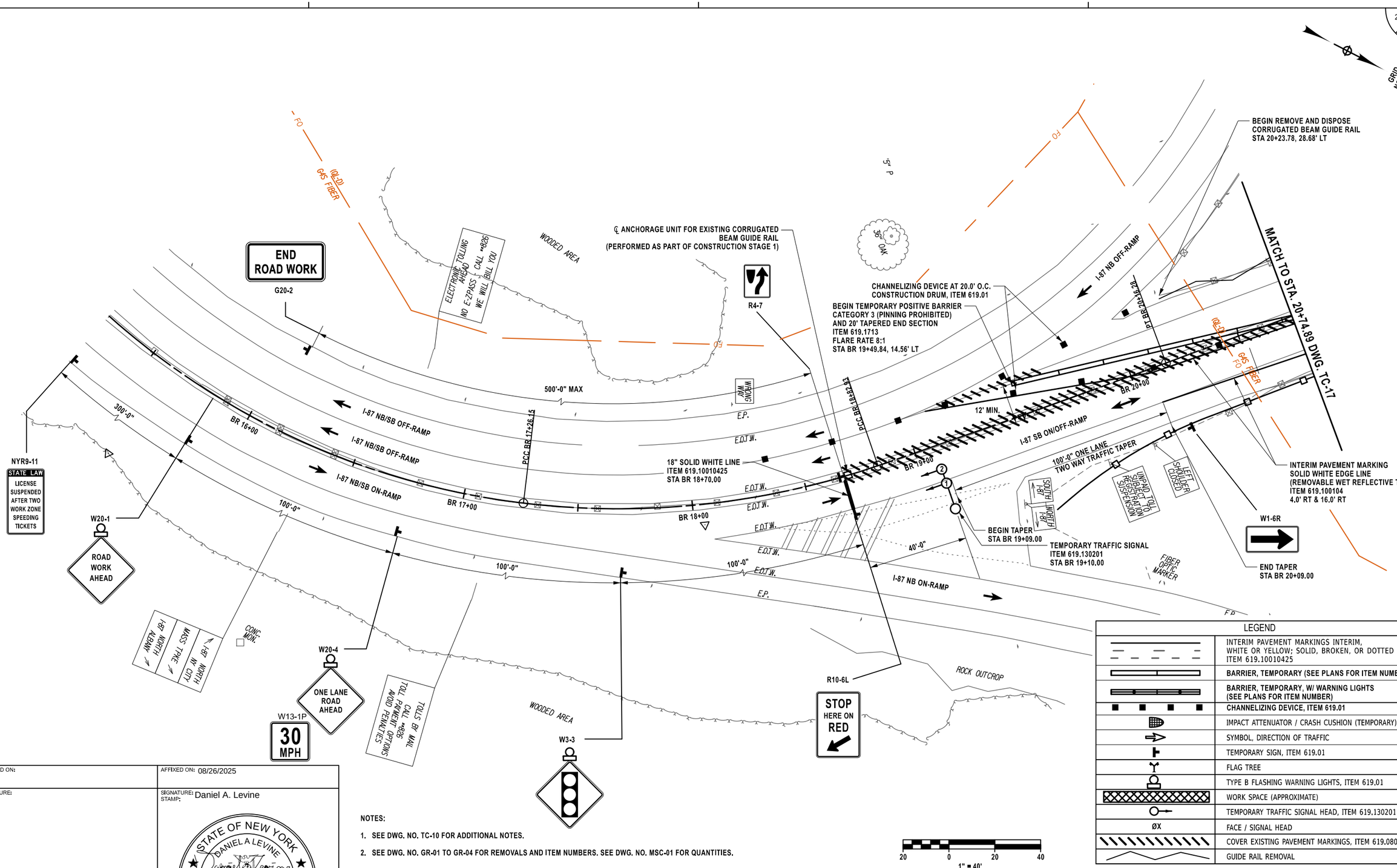
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: STAGE III WORK ZONE TRAFFIC CONTROL (SHEET 3 OF 3)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: TC-15

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN

GRID NORTH

DESIGNED BY: J. FARKAS
DRAFTED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

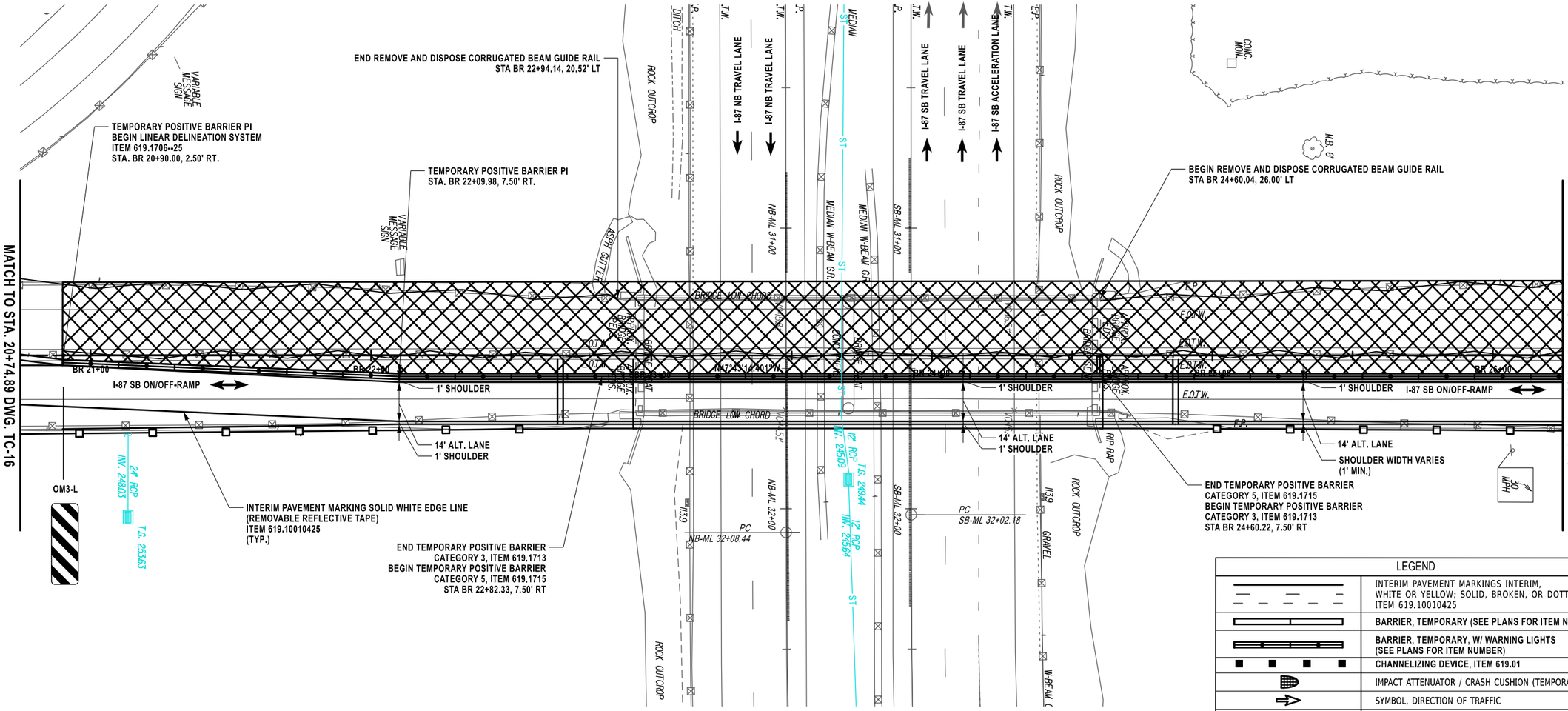
NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	STAGE IV WORK ZONE TRAFFIC CONTROL (SHEET 1 OF 3)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	TC-16

DESIGNED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

GRID NORTH



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS, SEE DWG. NO. MSC-01 FOR QUANTITIES.

20 0 1" = 40' 20 40

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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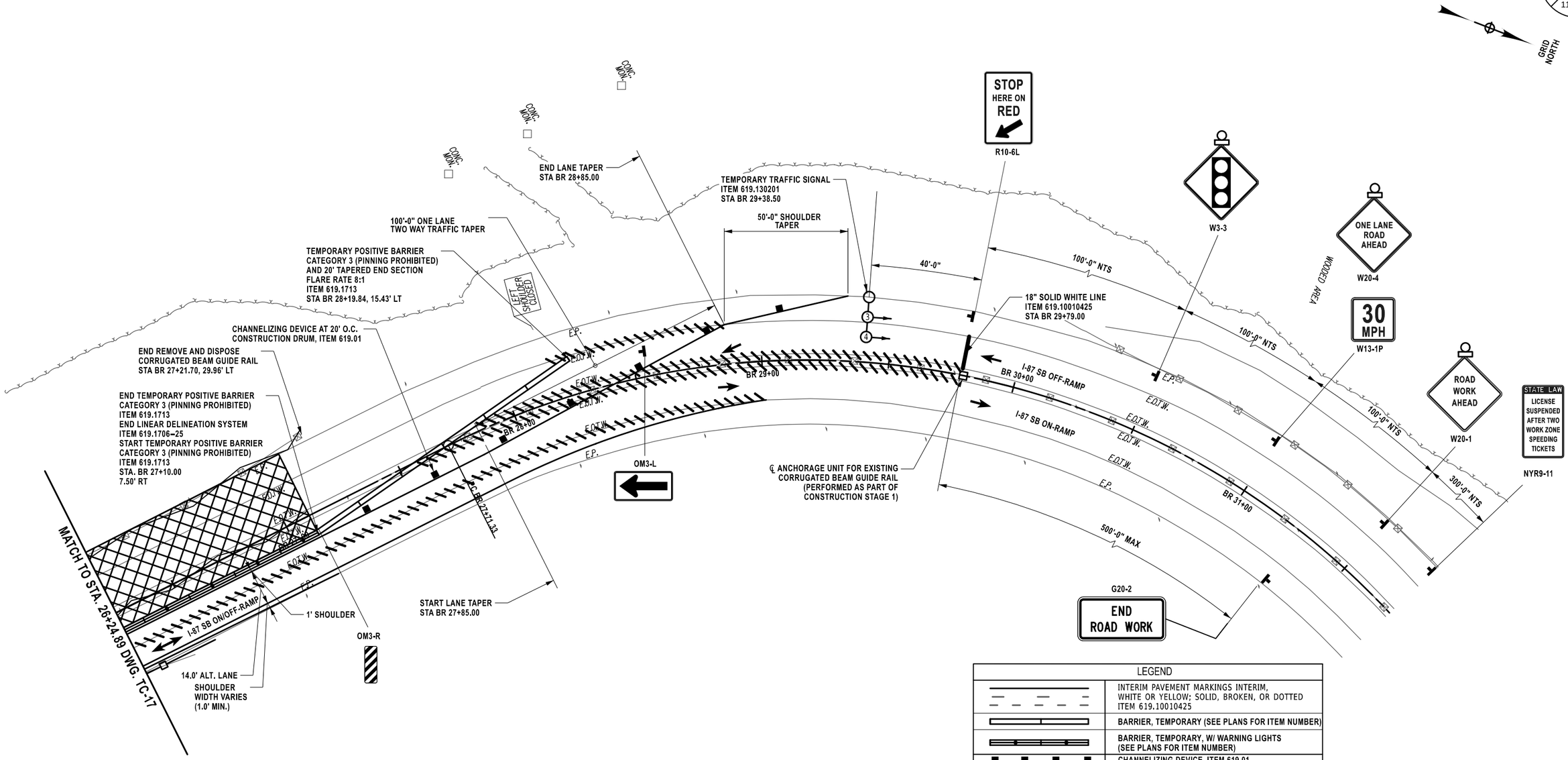
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: STAGE IV WORK ZONE TRAFFIC CONTROL (SHEET 2 OF 3)	DRAWING NUMBER: TC-17

DESIGNED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
	INTERIM PAVEMENT MARKINGS INTERIM, WHITE OR YELLOW; SOLID, BROKEN, OR DOTTED ITEM 619.10010425
	BARRIER, TEMPORARY (SEE PLANS FOR ITEM NUMBER)
	BARRIER, TEMPORARY, W/ WARNING LIGHTS (SEE PLANS FOR ITEM NUMBER)
	CHANNELIZING DEVICE, ITEM 619.01
	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	SYMBOL, DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	FLAG TREE
	TYPE B FLASHING WARNING LIGHTS, ITEM 619.01
	WORK SPACE (APPROXIMATE)
	TEMPORARY TRAFFIC SIGNAL HEAD, ITEM 619.130201
ØX	FACE / SIGNAL HEAD
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	GUIDE RAIL REMOVAL

20 0 20 40
1" = 40'

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

NOTES:

1. SEE DWG. NO. TC-10 FOR ADDITIONAL NOTES.
2. NOTE THAT SOME DIMENSIONS ARE LABELED AS NOT TO SCALE (NTS) FOR CLARITY. SIGNS ARE TO BE PLACED PER THE DIMENSIONS INDICATED OR AS MODIFIED BY THE EIC TO SUIT FIELD CONDITION.
3. SEE DWG. NO. GR-01 TO GR-04 FOR REMOVALS AND ITEM NUMBERS. SEE DWG. NO. MSC-01 FOR QUANTITIES.

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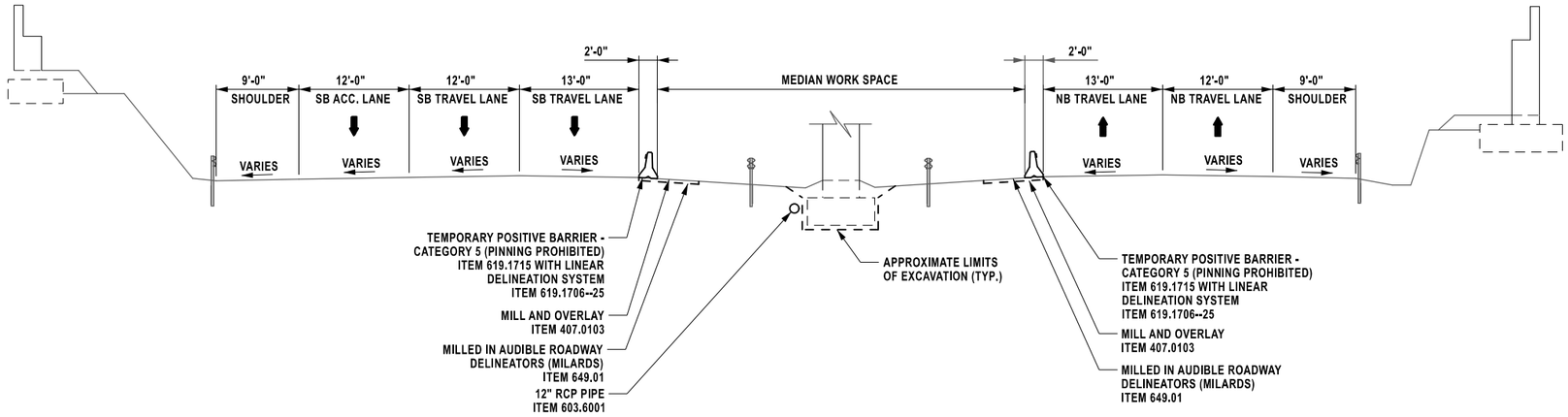
DATE	DESCRIPTION	BY	SYM.

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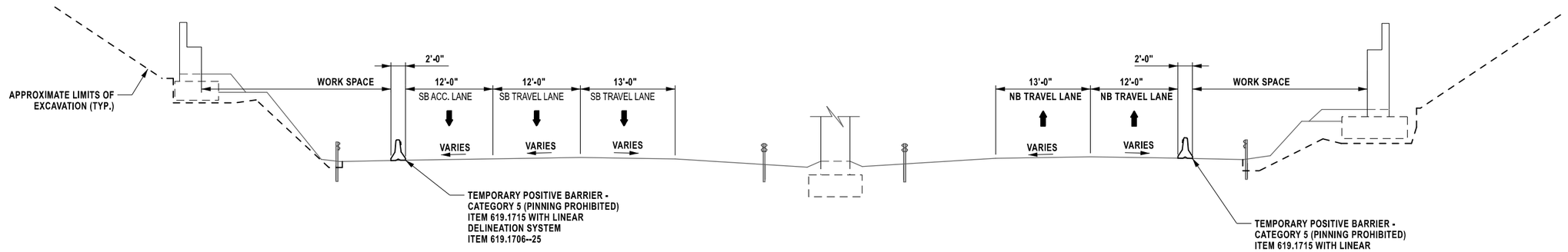
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: STAGE IV WORKZONE TRAFFIC CONTROL (SHEET 3 OF 3)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: TC-18



I-87 MAINLINE WORK ZONE TRAFFIC CONTROL I-87 MAINLINE MEDIAN CLOSURE SECTION

STA NB-ML 30+78.92 TO STA NB-ML 31+98.13
STA SB-ML 30+82.95 TO STA SB-ML 32+11.00
APPROXIMATELY MILE 113.88 TO MILE 113.90
NOT TO SCALE



I-87 MAINLINE WORK ZONE TRAFFIC CONTROL I-87 MAINLINE SHOULDER CLOSURE SECTION

STA NB-ML 30+84.38 TO STA NB-ML 31+96.38
STA SB-ML 31+00.00 TO STA SB-ML 32+00.00
APPROXIMATELY MILE 113.88 TO MILE 113.90
NOT TO SCALE

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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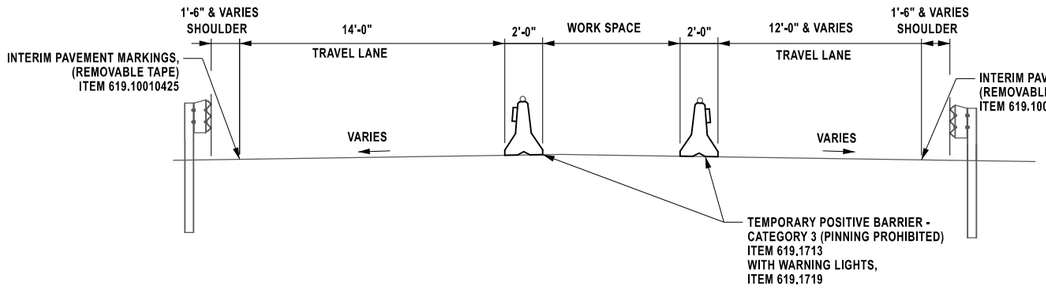
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

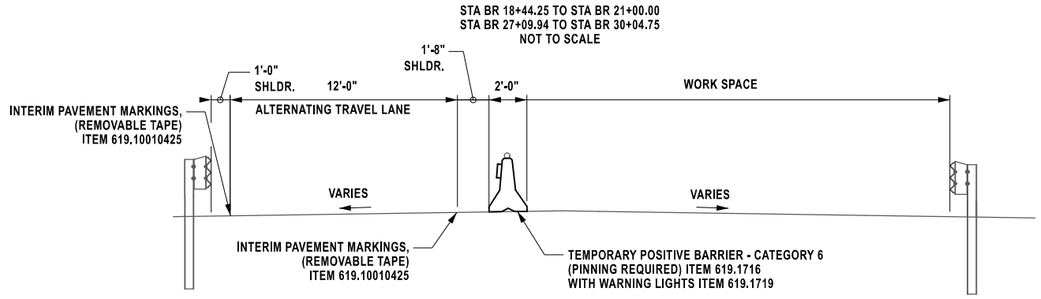
PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: MAINLINE WORK ZONE TRAFFIC CONTROL SECTIONS (SHEET 1 OF 2)	DRAWING NUMBER: TC-19

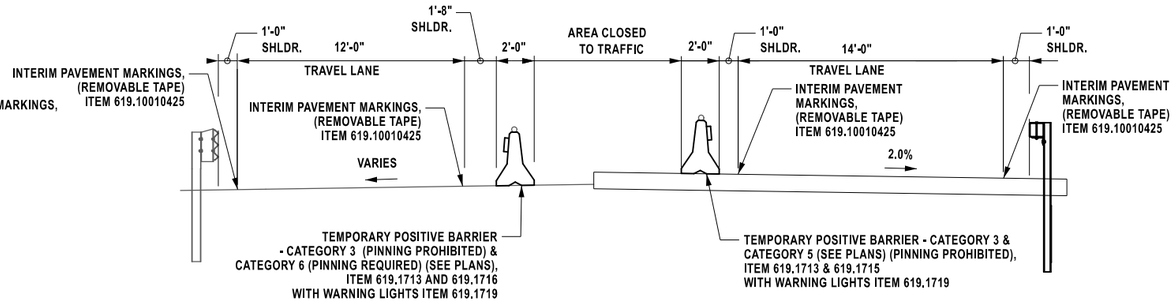


WORK ZONE TRAFFIC CONTROL INTERCHANGE 21 RAMP STAGE I SECTION



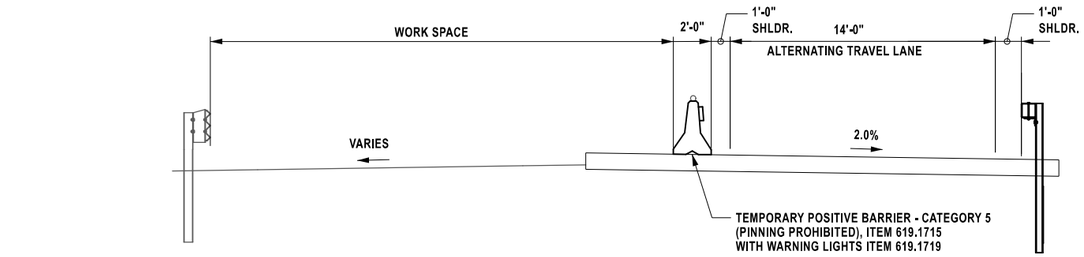
WORK ZONE TRAFFIC CONTROL INTERCHANGE 21 RAMP STAGE II SECTION

STA BR 20+90.00 TO STA BR 27+10.00
NOT TO SCALE



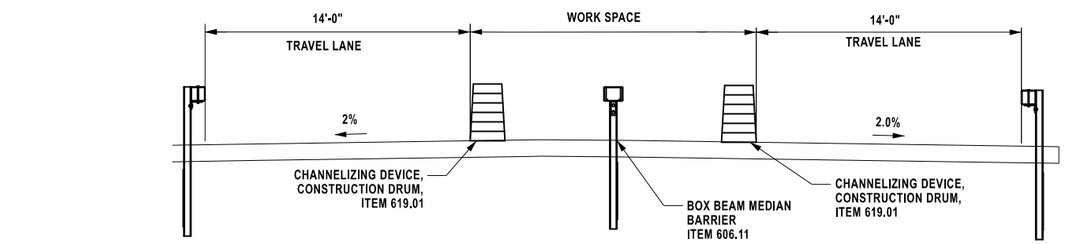
WORK ZONE TRAFFIC CONTROL INTERCHANGE 21 RAMP STAGE III SECTION

STA BR 20+90.00 TO STA BR 27+10.00
NOT TO SCALE



WORK ZONE TRAFFIC CONTROL INTERCHANGE 21 RAMP STAGE IV SECTION

STA BR 20+90.00 TO STA BR 27+10.00
NOT TO SCALE



WORK ZONE TRAFFIC CONTROL INTERCHANGE 21 RAMP STAGE V SECTION

STA BR 20+90.00 TO STA BR 27+10.00
NOT TO SCALE

NOTE: STAGE V WZTC UTILIZES STANDARD NYSTA SHOULDER CLOSURE LAYOUT. SEE NYSTA STANDARD SHEET 619-03.

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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REVISIONS

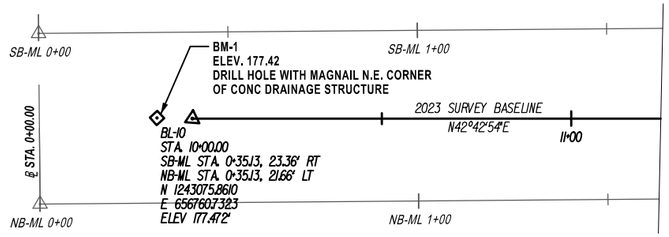
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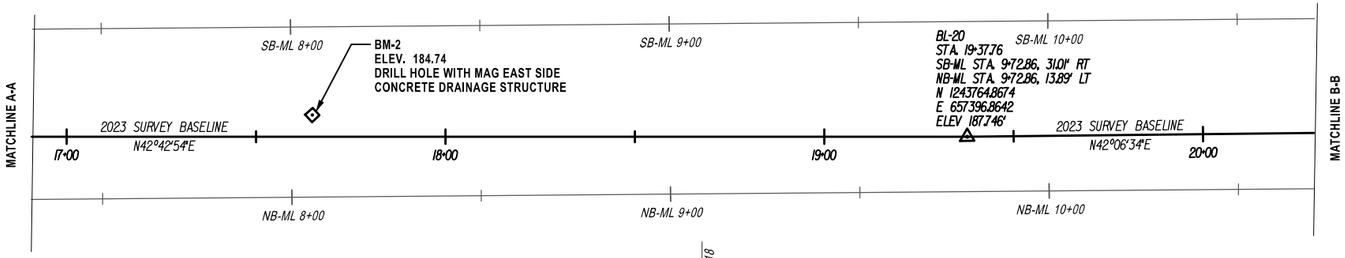
NEW YORK STATE | Thruway Authority

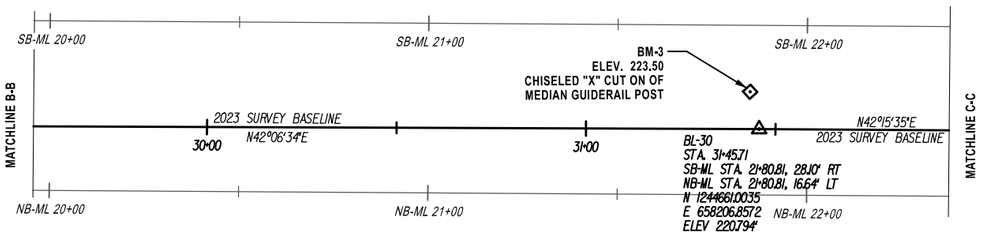
PARSONS

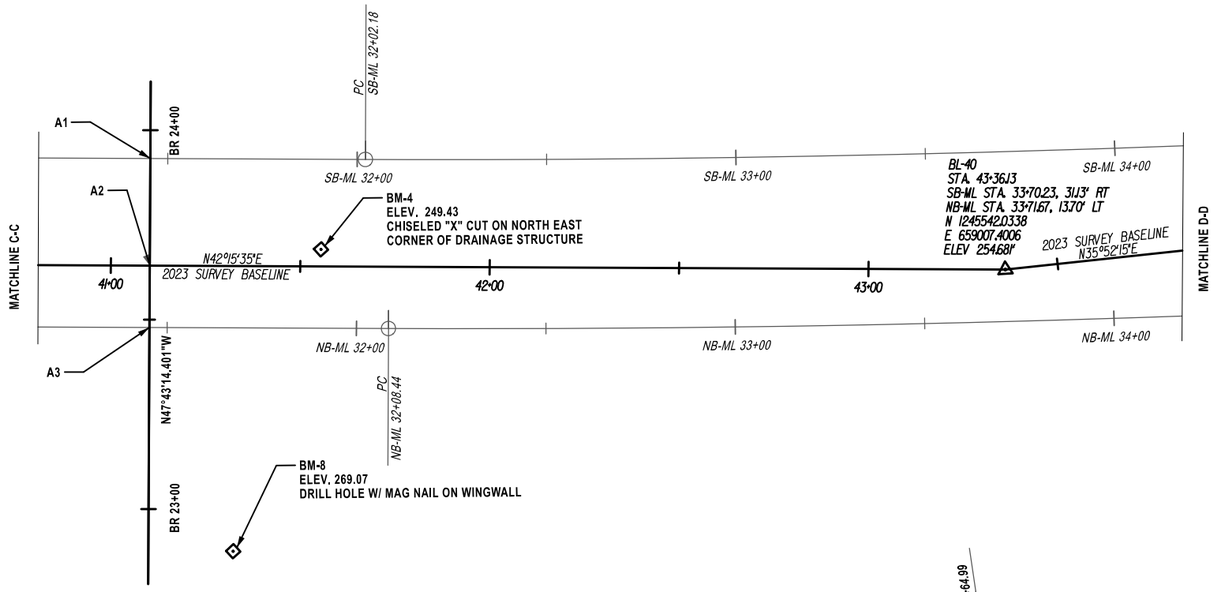
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: INTERCHANGE 21 WORK ZONE TRAFFIC CONTROL SECTIONS (SHEET 2 OF 2)	DRAWING NUMBER: TC-20

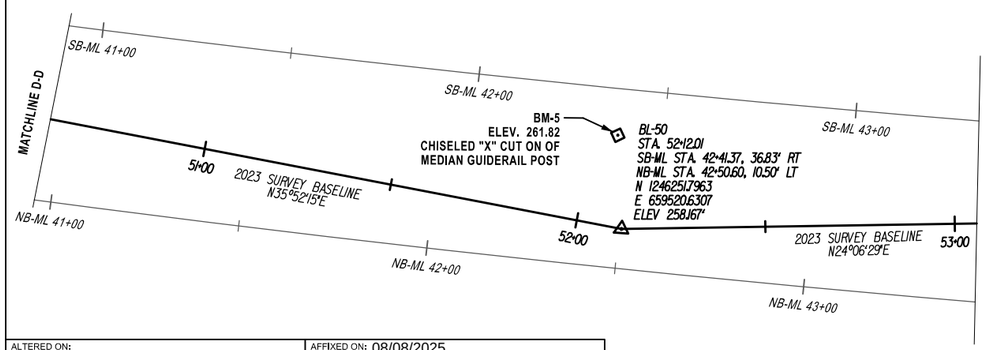
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

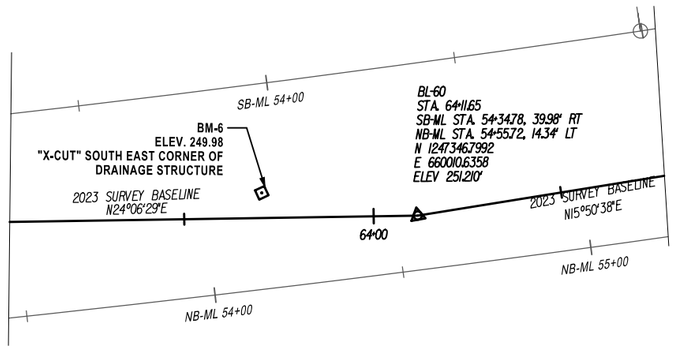


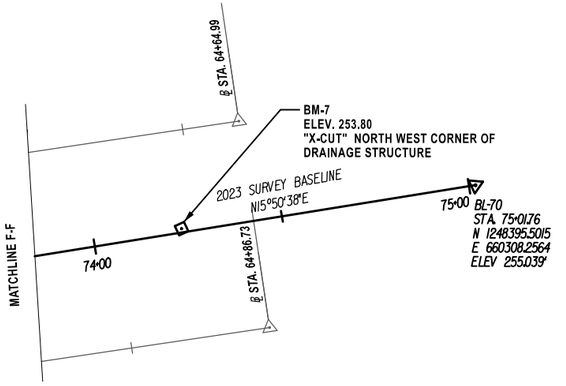












ALTERED ON:	AFFIXED ON: 08/08/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

I-87 NORTHBOUND ALIGNMENT
P.O.B. STA. NB-ML 0+00.00
N = 1243035.292
E = 656753.155
P.O.E. STA. NB-ML 64+86.73
N = 1248330.330
E = 660319.332

I-87 SOUTHBOUND ALIGNMENT
P.O.B. STA. SB-ML 0+00.00
N = 1243065.562
E = 656719.818
P.O.E. STA. SB-ML 64+64.99
N = 1248346.024
E = 660266.543

INTERCHANGE 21 CENTERLINE ALIGNMENT
P.O.B. STA. BR 10+00.00
N = 1244291.706
E = 659010.957
P.O.E. STA. BR 37+26.27
N = 1246153.543
E = 658959.783

INTERSECTION TABLE		
A1	SB-ML 31+45.39	BR 23+92.53
A2	BL 41+10.28	BR 23+64.22
A3	NB-ML 31+45.39	BR 23+47.92

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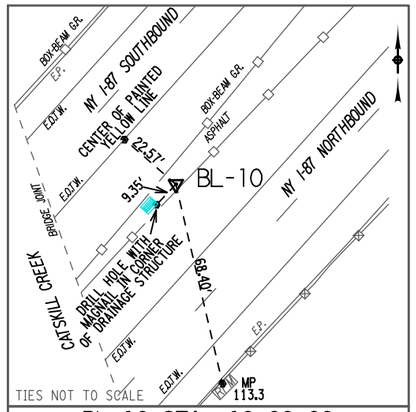
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

M.P. 113.89, BIN 5513230

NEW YORK STATE | Thruway Authority

PARSONS

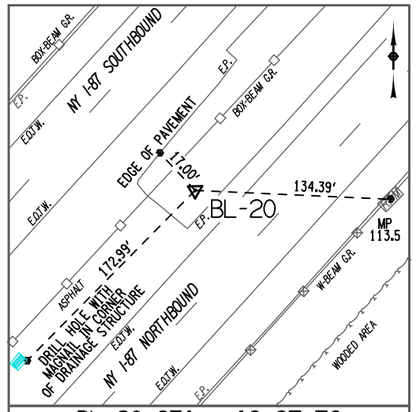
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: SURVEY CONTROL PLAN	DRAWING NUMBER: SCP-01



BL-10 STA. 10+00.00

MAGNAIL IN ASPHALT MEDIAN
140'± SOUTH WEST OF RTE 23 OVERPASS

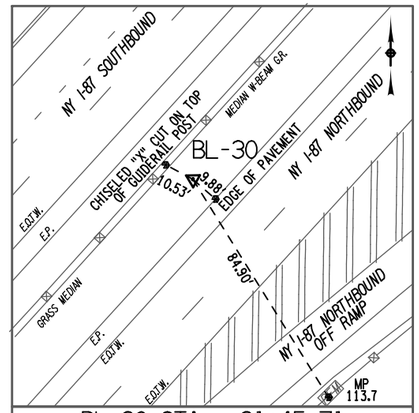
NYSPCS EASTERN ZONE NAD 83(2011)
N: 1243075.8610 NAVD88
E: 656760.7323 ELEV: 177.472'



BL-20 STA. 19+37.76

REBAR WITH CAP SET IN THE GRASS MEDIAN
710± NORTH EAST OF RTE 23 OVERPASS

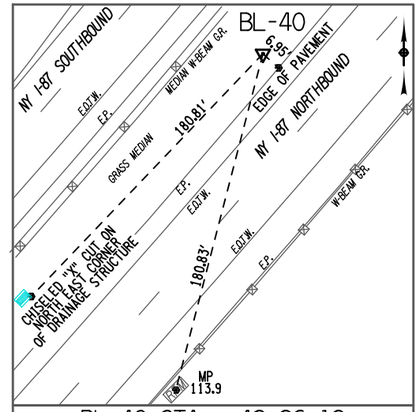
NYSPCS EASTERN ZONE NAD 83(2011)
N: 1243764.8674 NAVD88
E: 657396.8642 ELEV: 187.746'



BL-30 STA. 31+45.71

REBAR WITH CAP SET IN THE GRASS MEDIAN
310± NORTH EAST OF RTE 23B (MAIN ST.) OVERPASS

NYSPCS EASTERN ZONE NAD 83(2011)
N: 1244661.0035 NAVD88
E: 658206.8572 ELEV: 220.794'



BL-40 STA. 43+36.13

REBAR WITH CAP SET IN THE GRASS MEDIAN
200± NORTH EAST OF EXIT 21 OVERPASS RAMP

NYSPCS EASTERN ZONE NAD 83(2011)
N: 1245542.0338 NAVD88
E: 659007.4006 ELEV: 254.681'

NOTES:

1. HORIZONTAL DATUM IS REFERENCED TO NAD83(2011)- NEW YORK STATE PLAN COORDINATE SYSTEM, EAST ZONE, ESTABLISHED BY GNSS METHODS FROM NEW YORK STATE C.O.R.S. REAL-TIME NETWORK.
2. VERTICAL DATUM IS REFERENCED TO NAVD88, ESTABLISHED BY GNSS METHODS FROM NEW YORK STATE C.O.R.S. REAL-TIME NETWORK (UTILIZING GEOD18).
3. PROJECT UNITS: U.S. SURVEY FEET.

BL-50 STA. 52+12.01

REBAR WITH CAP SET IN THE GRASS MEDIAN
1050± NORTH EAST OF EXIT 21 OVERPASS RAMP

NYSPCS EASTERN ZONE NAD 83(2011)
N: 1246251.7963 NAVD88
E: 659520.6307 ELEV: 258.167'

BL-60 STA. 64+11.65

REBAR WITH CAP SET IN THE GRASS MEDIAN
620± SOUTH WEST OF EXIT 21 OVERPASS RAMP

NYSPCS EASTERN ZONE NAD 83(2011)
N: 1247346.7992 NAVD88
E: 660010.6358 ELEV: 251.210'

BL-70 STA. 75+01.76

REBAR WITH CAP SET IN THE GRASS MEDIAN
420± NORTH EAST OF THE BRIDGE OVER
LEEDS ATHENS ROAD

NYSPCS EASTERN ZONE NAD 83(2011)
N: 1248395.5015 NAVD88
E: 660308.2564 ELEV: 255.039'

BENCHMARK NUMBER	NORTHING	EASTING	DESCRIPTION	BENCHMARK ELEVATION
BM-1	1243069.1	656754.3	DRILL HOLE WITH MAG NAIL ON THE N.E. CORNER OF CONCRETE DRAINAGE STRUCTURE, 150 FEET S.W. OF CENTERLINE OF ROUTE 23 BRIDGES, OVER I-87	177.418
BM-2	1243641.8	657275.4	DRILL HOLE WITH MAG NAIL ON THE EAST SIDE OF CONCRETE DRAINAGE STRUCTURE, 580 FEET N.E. OF CENTERLINE OF ROUTE 23 BRIDGES, OVER I-87	184.742
BM-3	1244665.7	658197.9	CHISELED "X" CUT ON MEDIAN GUIDERAIL POST, 330 FEET N.E. OF CENTERLINE OF ROUTE 23B BRIDGE, OVER I-87	223.505
BM-4	1245411.4	658882.6	CHISELED "X" CUT ON N.E. CORNER OF DRAINAGE STRUCTURE, 40 FEET N.E. OF CENTERLINE OF INTERCHANGE 21 BRIDGE OVER I-87	249.426
BM-5	1246261.4	659497.8	CHISELED "X" CUT ON MEDIAN GUIDERAIL POST, 1090 FEET N.E. OF CENTERLINE OF INTERCHANGE 21 BRIDGE OVER I-87	261.824
BM-6	1247312.0	659987.8	"X" CUT ON S.E. CORNER OF DRAINAGE STRUCTURE, 670 FEET S.E. OF THE I-87 BRIDGE JOINT OVER LEEDS ATHENS RD.	249.978
BM-7	1248320.3	660285.9	"X" CUT ON N.W. CORNER OF DRAINAGE STRUCTURE, 340 FEET N.E. OF THE I-87 BRIDGE JOINT OVER LEEDS ATHENS RD.	253.804
BM-8	1245340.8	658926.3	DRILL HOLE WITH MAG NAIL ON THE NORTH EAST CORNER OF THE SOUTHEASTERLY WINGWALL OF INTERCHANGE 21 OVERPASS BRIDGE.	269.069

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

ALTERED ON:	AFFIXED ON: 08 / 04 / 2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · JEFFREY F PHILLIPS · EXCELSIOR · 050773 · LICENSED LAND SURVEYOR

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PDG Popli Design Group

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BASE LINE TIES (SHEET 1 OF 1)	DRAWING NUMBER: BLT-01

GUIDE RAIL REMOVAL TABLE

ITEM 606.71 - REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAIL
ITEM 606.72 - REMOVING AND DISPOSING CORRUGATED BEAM MEDIAN BARRIER
ITEM 606.7910 - REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIERS
ITEM 606.8103--25 ANCHORAGE UNIT - REMOVING AND DISPOSING CORRUGATED BEAM TO BOX BEAM BARRIER INCLUDING TRANSITION

LOCATION					606.71 (LF)	606.72 (LF)	606.7910 (EA)	606.8103--25 (EA)
FROM		TO		SIDE				
STATION	OFFSET (FT)	STATION	OFFSET (FT)					
BR 20+23.78	26.68	BR 22+94.14	20.52	LT	271		1	
BR 20+32.58	30.01	BR 22+94.10	20.48	RT	262		1	
BR 24+60.04	20.35	BR 27+21.70	29.96	LT	262		1	
BR 24+59.54	20.40	BR 26+45.29	28.63	RT	186		1	
BR 15+74.73		BR 37+18.43		MEDIAN		2064	3	1
SB-ML 30+84.38	45.71	SB-ML 31+96.38	46.08	LT	100			
NB-ML 31+00.00	34.11	NB-ML 32+00.00	34.29	RT	112			
SB-ML 30+78.92	15.11	SB-ML 31+98.13	11.93	RT		128		
NB-ML 30+82.95	12.58	NB-ML 32+11.00	13.67	LT		120		
TOTALS					1193	2312	7	1

GUIDE RAIL INSTALLATION TABLE

ITEM 568.70 - TRANSITION BRIDGE RAILING
ITEM 606.10 - BOX BEAM GUIDE RAIL
ITEM 606.100002 - BOX BEAM GUIDE RAIL (SHOP BENT OR SHOP MITERED)
ITEM 606.11 - BOX BEAM MEDIAN BARRIER
ITEM 606.1401 - BOX BEAM MEDIAN BARRIER END ASSEMBLY TYPE A
ITEM 606.17 - CORRUGATED BEAM MEDIAN BARRIER
ITEM 606.18 - WEAK POST, CORRUGATED BEAM GUIDE RAIL
ITEM 606.110002 - BOX BEAM MEDIAN BARRIER (SHOP BENT OR SHOP MITERED)
ITEM 606.120101 - BOX BEAM END PIECE
ITEM 606.120102 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE I
ITEM 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING
ITEM 606.24 - ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER
ITEM 606.2701 - HPBO (MOD) CORRUGATED BEAM GUIDE RAIL
ITEM 606.5910 - RESETTING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING OR MEDIAN BARRIER
ITEM 606.8902 - TRANSITION TO EXISTING CORRUGATED BEAM GUIDE RAIL

LOCATION					568.70 (LF)	606.10 (LF)	606.100002 (LF)	606.11 (LF)	606.1401 (EA)	606.17 (LF)	606.18 (LF)	606.110002 (LF)	606.120101 (EA)	606.120102 (EA)	606.22 (EA)	606.24 (EA)	606.2701 (LF)	606.5910 (EA)	606.8902 (EA)
FROM		TO		SIDE															
STATION	OFFSET (FT)	STATION	OFFSET (FT)																
BR 20+23.78	28.68	BR 22+93.48	26.00	LT	40	262							1						
BR 19+50.33	43.89	BR 22+93.48	26.00	RT	40	266	70							1					
BR 24+60.90	26.00	BR 27+20.25	46.52	LT	40	164	71							1					
BR 24+60.90	26.00	BR 26+55.01	27.00	RT	40	187							1						
BR 15+74.73		BR 37+18.43		MEDIAN				888	1			1255				2			
SB-ML 30+84.38	45.71	SB-ML 31+96.38	46.08	LT											2		112		2
NB-ML 31+00.00	34.11	NB-ML 32+00.00	34.29	RT							100				2				
NB-ML 30+78.92	15.11	NB-ML 31+98.13	11.93	RT						128						1		1	
SB-ML 30+82.95	12.58	SB-ML 32+11.00	13.67	LT						120						1		1	
TOTALS					160	879	141	888	1	248	100	1255	2	2	4	4	112	2	2

NOTES:

1. REFER TO TABLE 606-2 FOR PAYMENT FACTORS APPLIED TO CORRESPONDING POST SPACING (AS INDICATED ON GUIDE RAIL PLANS).

DRAINAGE TABLE

ITEM 203.07 SELECT GRANULAR FILL
ITEM 206.0201 TRENCH & CULVERT EXCAVATION
ITEM 552.17 SHIELDING AND SHORING
ITEM 603.6001 12" RCP PIPE
ITEM 604.300103 TYPE A DRAINAGE STRUCTURES
ITEM 621.03 CLEANING DRAINAGE SYSTEMS
ITEM 621.04 CLEANING DRAINAGE STRUCTURES
ITEM 655.1003 WELDED FRAME AND RECTANGULAR GRATE 3

DR NO	LOCATION			STRUCTURE TYPE	DESCRIPTION	TOP OF GRATE ELEVATION (FT)	INVERT ELEVATIONS (FT)		SLOPE (%)	203.07 (CY)	206.0201 (CY)	552.17 (SF)	603.6001 (LF)	604.300103 (LF)	621.03 (LF)	621.04 (EA)	655.1003 (EA)
	STATION	OFFSET (FT)	SIDE														
DR 1-1	BR 21+10.00	52	RT	EXISTING	CLEAN DRAINAGE STRUCTURE AND SYSTEM UPON COMPLETION OF WORK	253.63	N	N/A							300	1	
							S	248.03									
DR 2-1	NB 31+89.59	22.39	LT	EXISTING TYPE B	REMOVE EXISTING DOWNSTREAM PIPE AND INSTALL NEW PIPE	249.44	N	245.64	3.38%	6.64	7.31	140.14	13				
							S	245.09									
DR 2-2	NB 31+74.37	15.78	LT	TYPE A	NEW STRUCTURE AND PIPE	250.08	N	244.65	3.00%	47.86	54.41	887.22	57	6.1			1
							S	244.65									
DR 2-3	NB 31+13.37	15.83	LT	TYPE A	NEW STRUCTURE AND PIPE	248.37	N	242.94	2.82%	20.49	24.98	409.08	17	6.1			1
							S	242.94									
DR 2-4	NB 30+92.92	20.16	LT	TYPE A	NEW STRUCTURE TIE INTO EXISTING DRAINAGE SYSTEM	247.67	N	242.46		11.64	15.12	204.16		5.88	328	1	1
							S	242.46									
TOTALS										86.63	101.82	1640.6	87	18.08	628	2	3

DELINEATOR TABLE

ITEM 646.0403--25 - INSTALL DELINEATOR OR TENTH MILE MARKER, BACK-TO-BACK ON POST
ITEM 646.0603--25 - INSTALL DELINEATOR OR TENTH MILE MARKER ON POST
ITEM 646.50--25 - REMOVE AND DISPOSE DELINEATORS AND MARKERS

STATION	OFFSET (APPROX.)	MOUNT	COLOR	NOTES	646.0403--25 EA	646.0603--25 EA	646.50----25 EA
BR 20+73.10 TO BR 26+70.74	27' LT	GRND	WHITE			6	6
BR 20+84.57 TO BR 26+95.09	27' RT	GRND	WHITE			7	7
BR 15+74.73 TO BR 37+20.54	0'	GRND	YELLOW		42		42
NB-ML 31+97.86	35' LT	GRND	WHITE	10TH MARKER 113/9		1	1
NB-ML 31+91.42	14' RT	GRND	YELLOW			1	1
SB-ML 31+95.46	12.89' LT	GRND	YELLOW			1	1
SB-ML 31+30.78 TO SB-ML 31+95.84	47' RT	GRND	WHITE	10TH MARKER 113/9		2	2
				TOTAL	42	18	60

NOTES:

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

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 08/26/2025
SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: MISCELLANEOUS TABLES

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: MSC-01

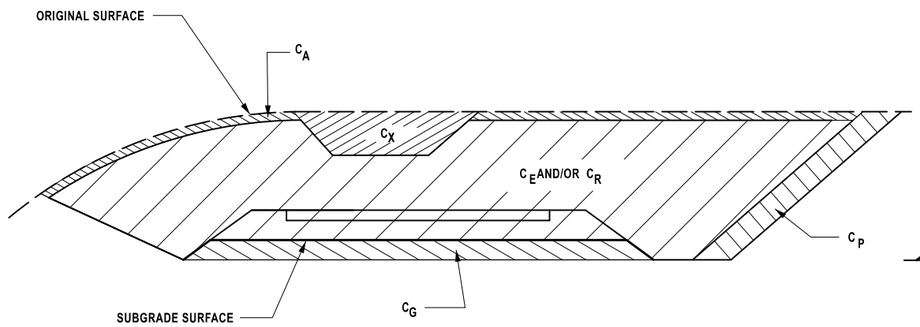
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DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

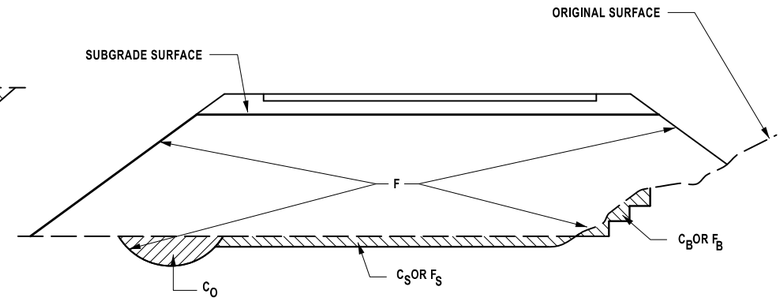
SUMMARY OF EARTHWORK
(ITEMS 203.02 AND 203.03 ONLY)

SOURCE	EXCAVATION			ITEM 203.02	ITEM 203.03
	T_E	C_R	T_U	C_T	F_T
INTERCHANGE 21 RAMP	244	(SEE NOTE 1)	790	1034	295
INTERSTATE 87	-	-	26	26	
TOTALS	244	-	816	1060	295

NOTES
1. THERE IS APPROXIMATELY 106 CY OF ROCK EXCAVATION (PAID FOR UNDER ITEM 206.01) AS PART OF EXCAVATION FOR THE PROPOSED FOUNDATION. SEE DRAWING NOS. ST-05 AND ST-06 FOR ADDITIONAL DETAILS.



CUT SECTION



FILL SECTION

DEFINITIONS:

C_B- EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).

C_G- EXCAVATION FOR SUBGRADE IMPROVEMENT.

C_P- EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.

C_E- PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P.

T_E- (C_B+ C_G+ C_P+ C_E) TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.

C_A- EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.

C_S- EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.

C_X- EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP

C_O- EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP

T_U- (C_A+ C_S+ C_X+ C_O) TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.

C_R- PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C IF APPLICABLE.

C_T- (T_E+ T_U+ C_R) TOTAL EXCAVATION.

DEFINITIONS:

F_B- FILL REQUIRED TO REPLACE BENCHES.

F_S- FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.

F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.

F_T- (F_B+ F_S+ F) TOTAL FILL REQUIRED.

T_A- (T_Ex F_E+ C_Rx F_R) THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.

F_E- SHRINKAGE FACTOR FOR EARTH

F_R- SWELL FACTOR FOR ROCK

NOTES:

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

203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL

203.03 EMBANKMENT IN PLACE

206.0201 TRENCH AND CULVERT EXCAVATION

*ALL DIMENSIONS IN CY UNLESS OTHERWISE NOTED

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
EARTHWORK SUMMARY TABLE

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: ESS-01

SUBDIVISION NO.	LOCATION (STATION TO STATION)	SUITABLE EXCAVATION					ROCK	UNSUITABLE EXCAVATION					TOTAL EXCAVATION	EMBANKMENT			
		C_B	C_G	C_P	C_E	T_E	C_R	C_A	C_S	C_X	C_O	T_U	C_T	F_B	F_S	F	F_T
INT 21	BR 15+74.73 TO BR 20+89.99										45	45	45				
INT 21	BR 20+89.99 TO BR 22+77.69				92	92					287	287	379		87	92	179
INT 21	BR 24+76.69 TO BR 27+10.00				152	152					373	373	525		40	56	96
INT 21	BR 27+10.00 TO BR 36+98.67										85	85	85				
I 87	SB-ML 30+75.00 TO BR 32+35.00										13	13	13				
I 87	NB-ML 30+80.00 TO 32+40.00										13	13	13				
INT 21	STRUCTURE EXCAVATION						106 (SEE NOTE 1)						-				
	TOTALS				244	244	-				816	816	1,060		127	148	275

NOTES:

1. FOR ESTIMATED ROCK EXCAVATION QUANTITY NECESSARY TO CONSTRUCT PROPOSED FOOTING, SEE DWG. NO. ST-06.
2. FOR DEFINITIONS AND NOTES SEE DWG. ESS-01.

DESIGNED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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REVISIONS

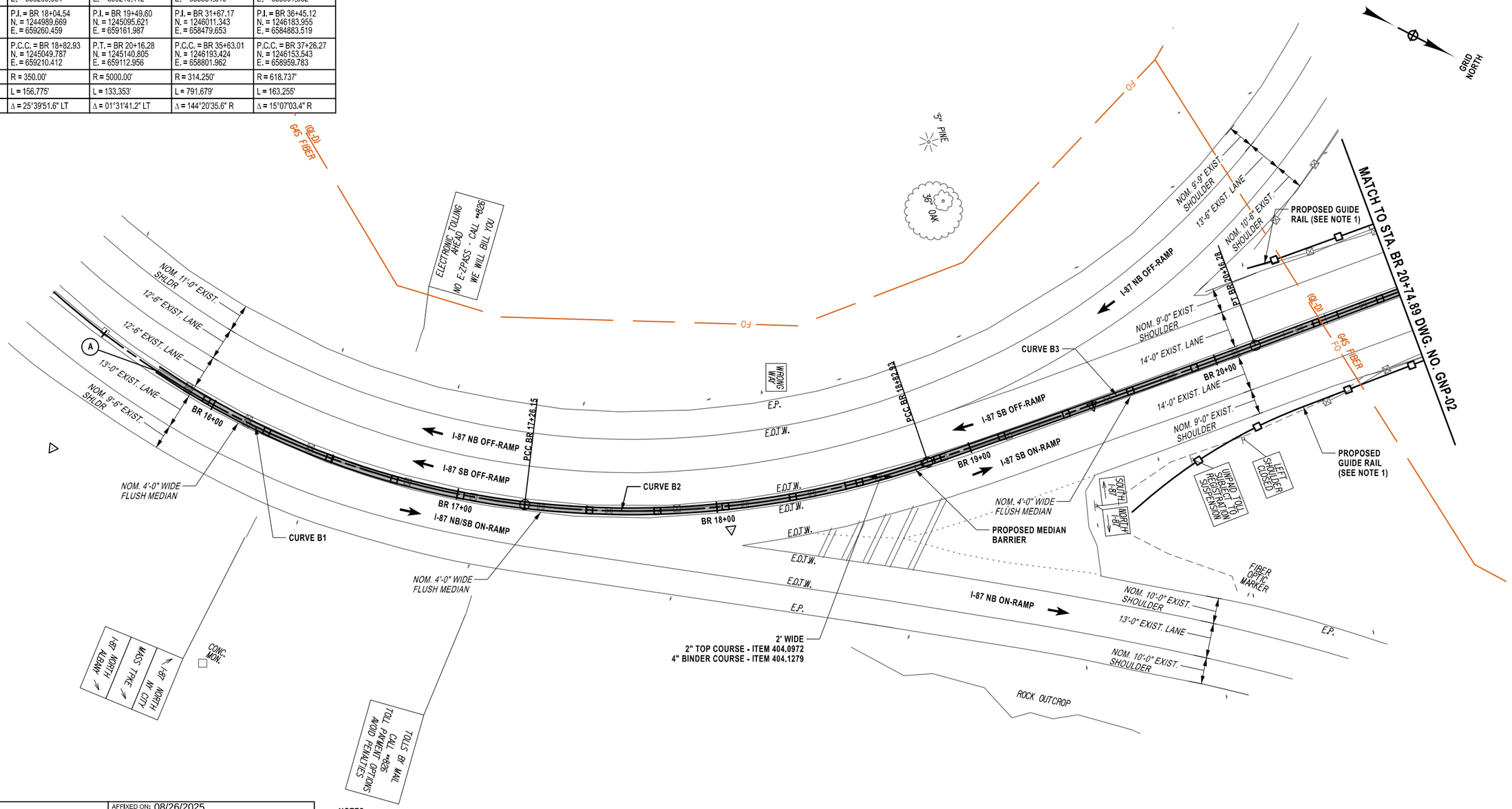
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: EARTHWORK SUMMARY TABLE	DRAWING NUMBER: ESS-02

CURVE B1	CURVE B2	CURVE B3	CURVE B4	CURVE B5
P.C. = BR 13+92.87 N. = 1244604.069 E. = 659249.235	P.C. = BR 17+26.15 N. = 1244919.937 E. = 659295.904	P.C.C. = BR 18+82.93 N. = 1245049.787 E. = 659210.412	P.C. = BR 27+71.34 N. = 1245648.765 E. = 658554.310	P.C.C. = BR 35+63.01 N. = 1246193.424 E. = 658801.962
P.I. = BR 15+59.51 N. = 1244755.983 E. = 659313.315	P.I. = BR 18+04.54 N. = 1244989.669 E. = 659260.459	P.I. = BR 19+49.60 N. = 1245095.621 E. = 659161.987	P.I. = BR 31+67.17 N. = 1246011.343 E. = 658479.653	P.I. = BR 36+45.12 N. = 1246183.955 E. = 6584883.519
P.C.C. = BR 17+26.15 N. = 1244919.937 E. = 659295.904	P.C.C. = BR 18+82.93 N. = 1245049.787 E. = 659210.412	P.T. = BR 20+16.28 N. = 1245140.805 E. = 659112.956	P.C.C. = BR 35+63.01 N. = 1246193.424 E. = 658801.962	P.C.C. = BR 37+26.27 N. = 1246153.543 E. = 658959.783
R = 330.00'	R = 350.00'	R = 5000.00'	R = 314.250'	R = 618.737'
L = 333.281'	L = 156.775'	L = 133.353'	L = 791.679'	L = 163.255'
Δ = 57°51'55.7" LT	Δ = 25°39'51.6" LT	Δ = 01°31'41.2" LT	Δ = 144°20'35.6" R	Δ = 15°07'03.4" R



NOTES:

1. FOR GUIDE RAIL REMOVAL AND PROPOSED GUIDE RAIL, SEE DWG. NO. GR-01 TO GR-04.
2. FOR EXISTING AND PROPOSED SIGNING AND STRIPING, SEE DWG. NO. SPM-01 TO SPM-03.
3. TOP COURSE SHALL BE CONSTRUCTED ON THE ENTIRE WIDTH OF THE ROADWAY AT FINAL PAVING.
4. SEE GNP-02 FOR CRITICAL STATION TABLE.

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION -

MILL AND OVERLAY -

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
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.

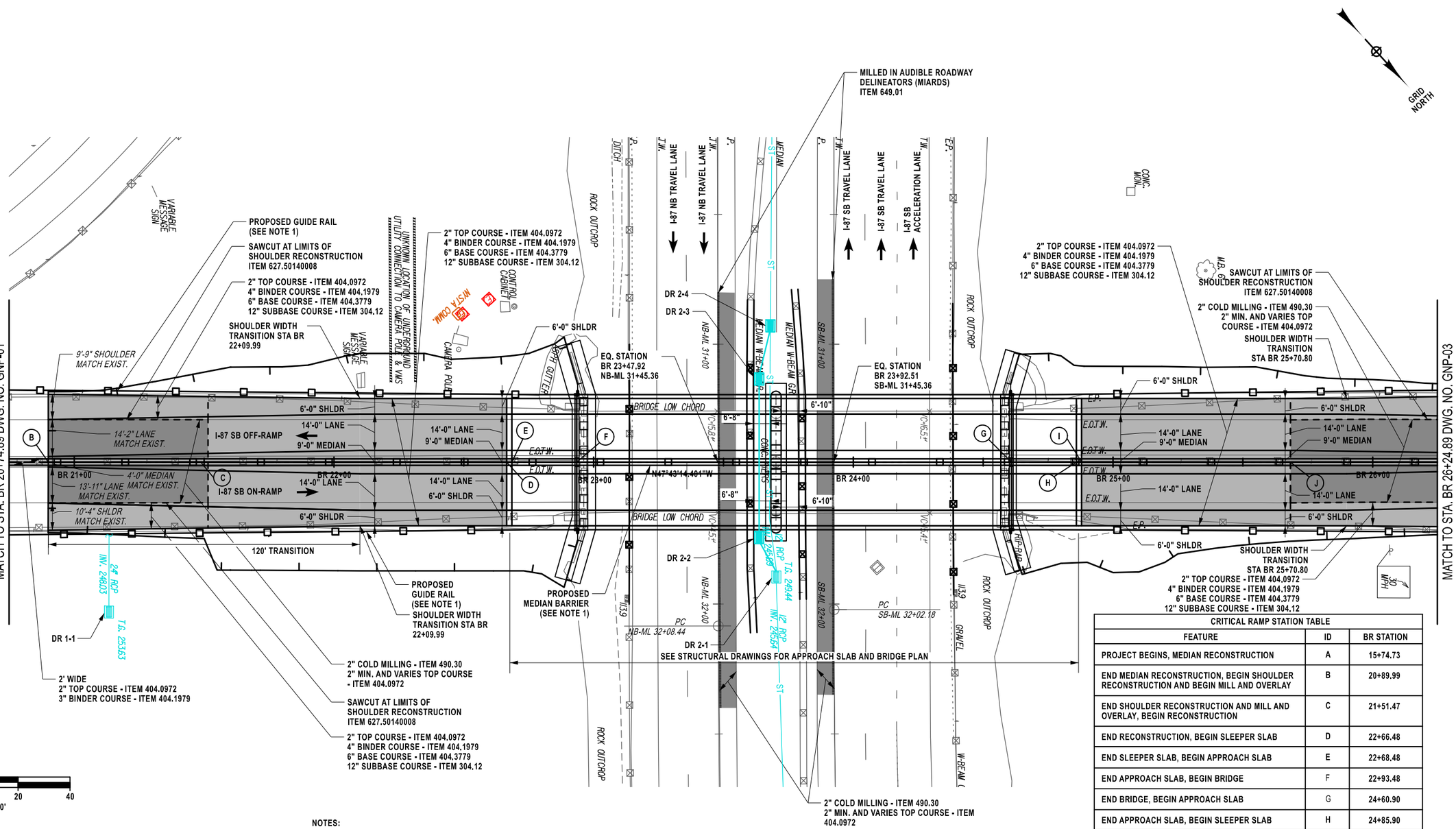
NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: GENERAL ROADWAY PLAN (SHEET 1 OF 4)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: GNP-01

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



CRITICAL RAMP STATION TABLE		
FEATURE	ID	BR STATION
PROJECT BEGINS, MEDIAN RECONSTRUCTION	A	15+74.73
END MEDIAN RECONSTRUCTION, BEGIN SHOULDER RECONSTRUCTION AND BEGIN MILL AND OVERLAY	B	20+89.99
END SHOULDER RECONSTRUCTION AND MILL AND OVERLAY, BEGIN RECONSTRUCTION	C	21+51.47
END RECONSTRUCTION, BEGIN SLEEPER SLAB	D	22+66.48
END SLEEPER SLAB, BEGIN APPROACH SLAB	E	22+68.48
END APPROACH SLAB, BEGIN BRIDGE	F	22+93.48
END BRIDGE, BEGIN APPROACH SLAB	G	24+60.90
END APPROACH SLAB, BEGIN SLEEPER SLAB	H	24+85.90
END SLEEPER SLAB, BEGIN RECONSTRUCTION	I	24+87.90
END RECONSTRUCTION, BEGIN SHOULDER RECONSTRUCTION AND MILL AND OVERLAY	J	25+68.29
END SHOULDER RECONSTRUCTION AND MILL AND OVERLAY, BEGIN MEDIAN RECONSTRUCTION	K	27+10.00
END MEDIAN RECONSTRUCTION, BEGIN GUIDE RAIL INSTALL	L	36+98.67
END GUIDE RAIL INSTALL, PROJECT ENDS	M	37+18.43

NOTES:

1. FOR GUIDERAIL REMOVAL AND PROPOSED GUIDE RAIL,SEE DWG. NO. GR-01 TO GR-04.
2. FOR EXISTING AND PROPOSED SIGNING AND STRIPING, SEE DWG. NO. SMP-01 TO SPM-03.
3. FOR DRAINAGE INFORMATION, SEE DWG. NO. MSC-01.
4. TOP COURSE SHALL BE CONSTRUCTED ON THE ENTIRE WIDTH OF THE ROADWAY AT FINAL PAVING.

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION -

MILL AND OVERLAY -

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

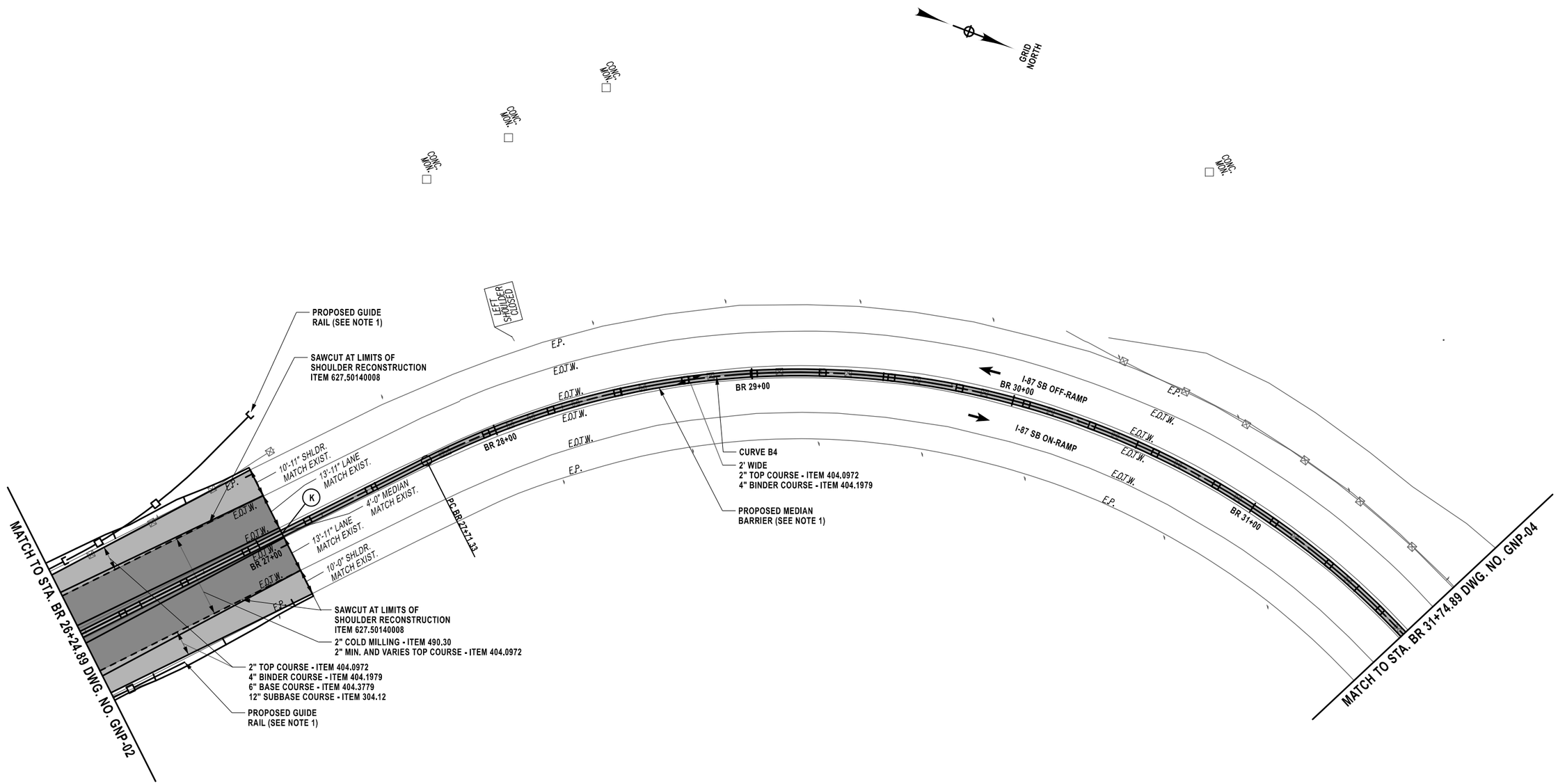
NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: GENERAL ROADWAY PLAN (SHEET 2 OF 4)

M.P. 113.89, BIN 5513230
CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: GNP-02

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN



ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

NOTES:

1. FOR GUIDE RAIL REMOVAL AND PROPOSED GUIDE RAIL, SEE DWG. NO. GR-01 TO GR-04.
2. FOR EXISTING AND PROPOSED SIGNING AND STRIPING, SEE DWG. NO. SMP-01 TO SMP-03.
3. SEE GNP-01 FOR CURVE DATA. SEE GNP-02 FOR CRITICAL STATION TABLE.
4. TOP COURSE SHALL BE CONSTRUCTED ON THE ENTIRE WIDTH OF THE ROADWAY AT FINAL PAVING.

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION -

MILL AND OVERLAY -

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

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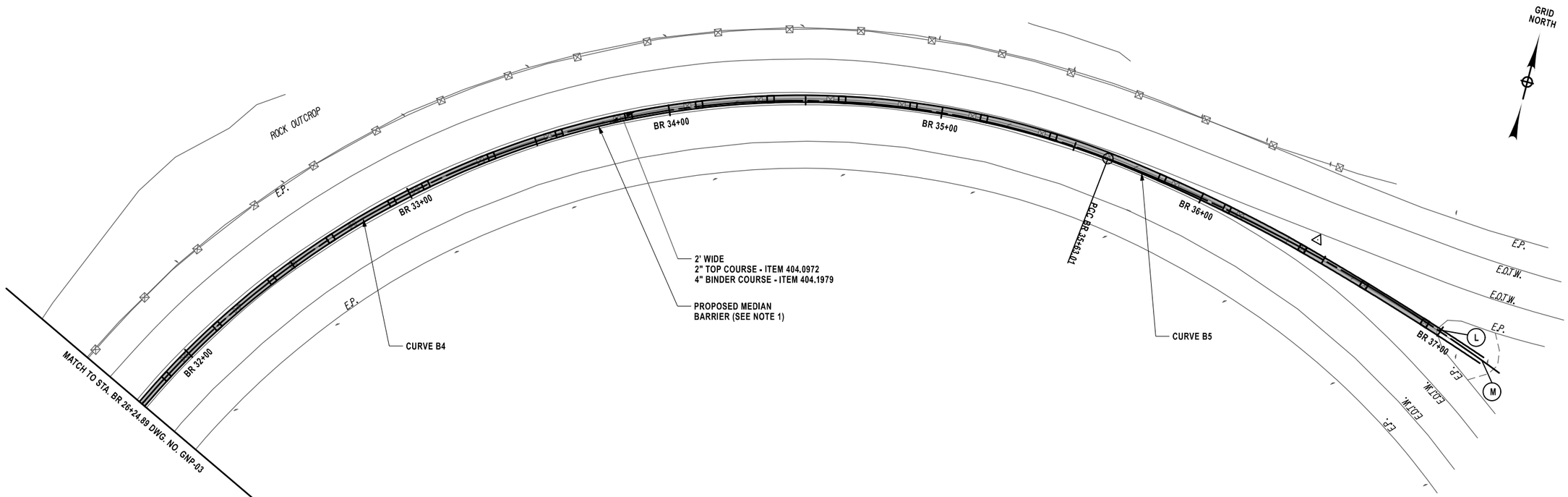
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GENERAL ROADWAY PLAN (SHEET 3 OF 4)	DRAWING NUMBER: GNP-03



NOTES:

1. FOR GUIDE RAIL REMOVAL AND PROPOSED GUIDE RAIL, SEE DWG. NO. GR-01 TO GR-04.
2. FOR EXISTING AND PROPOSED SIGNING AND STRIPING, SEE DWG. NO. SMP-01 TO SMP-03.
3. SEE GNP-01 FOR CURVE DATA. SEE GNP-02 FOR CRITICAL STATION TABLE.
4. TOP COURSE SHALL BE CONSTRUCTED ON THE ENTIRE WIDTH OF THE ROADWAY AT FINAL PAVING.

LEGEND:

FULL DEPTH PAVEMENT RECONSTRUCTION -

MILL AND OVERLAY -

M.P. 113.89, BIN 5513230

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · 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

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21

LOCATION OF PROJECT: ALBANY DIVISION MP 113.89

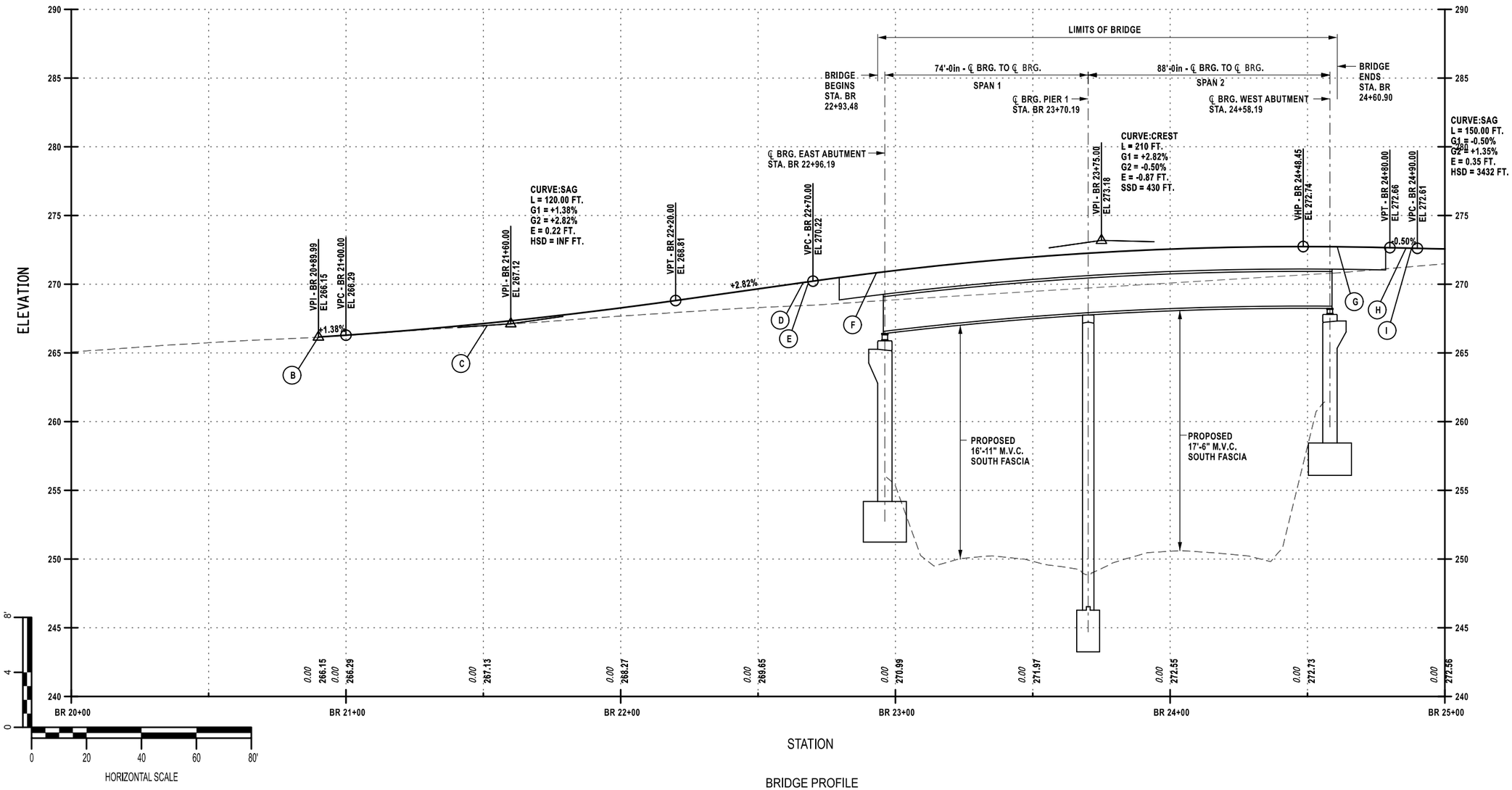
TITLE OF DRAWING: GENERAL ROADWAY PLAN (SHEET 4 OF 4)

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: GNP-04

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN



BRIDGE PROFILE

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

NOTES:

1. **SEE GNP-02 FOR CRITICAL STATION TABLE.**

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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

REVISIONS

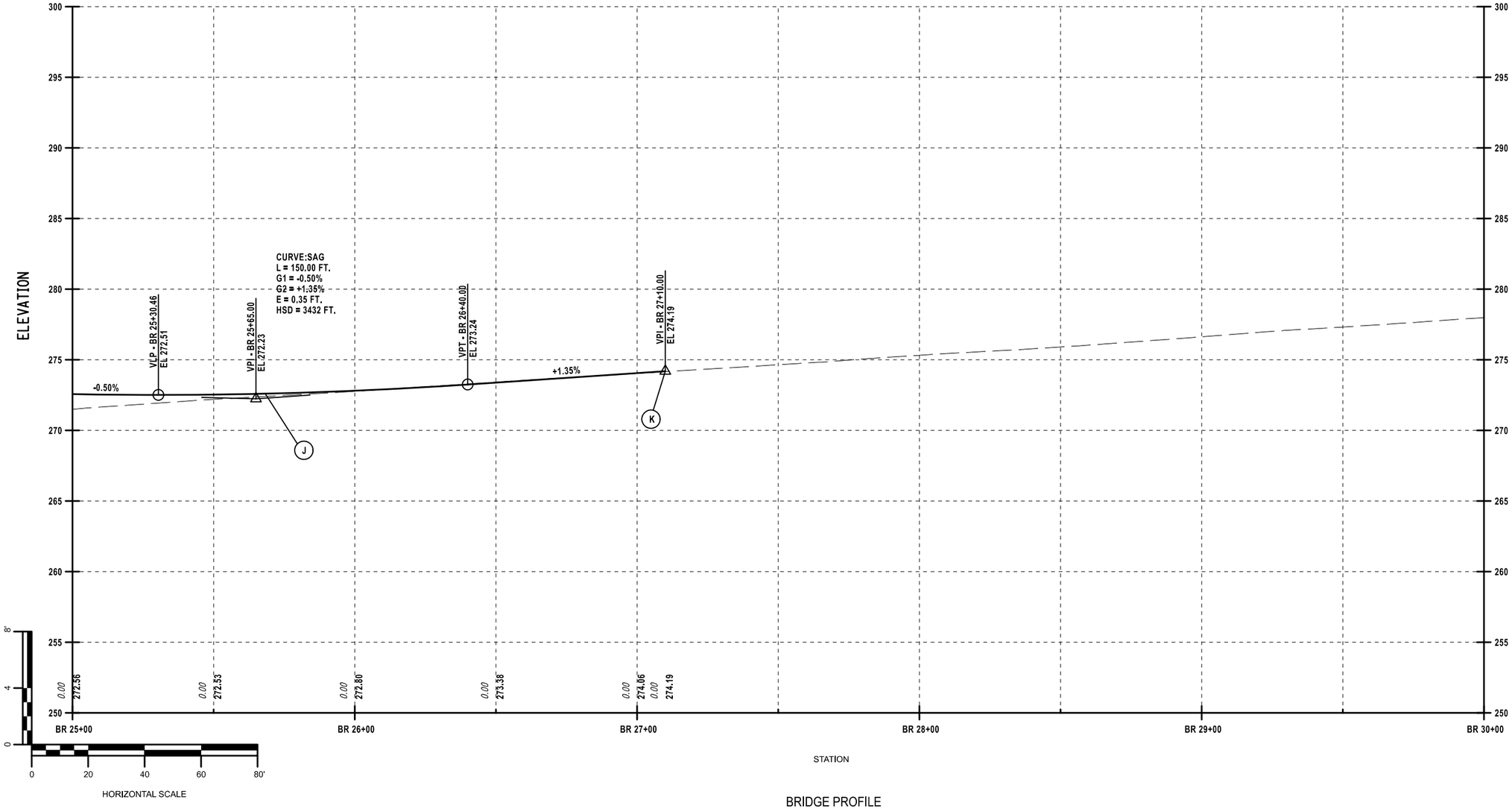
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PROPOSED ROADWAY PROFILE (SHEET 1 OF 2)	DRAWING NUMBER: PRO-01



BRIDGE PROFILE

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

NOTES:

1. **SEE GNP-02 FOR CRITICAL STATION TABLE.**

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

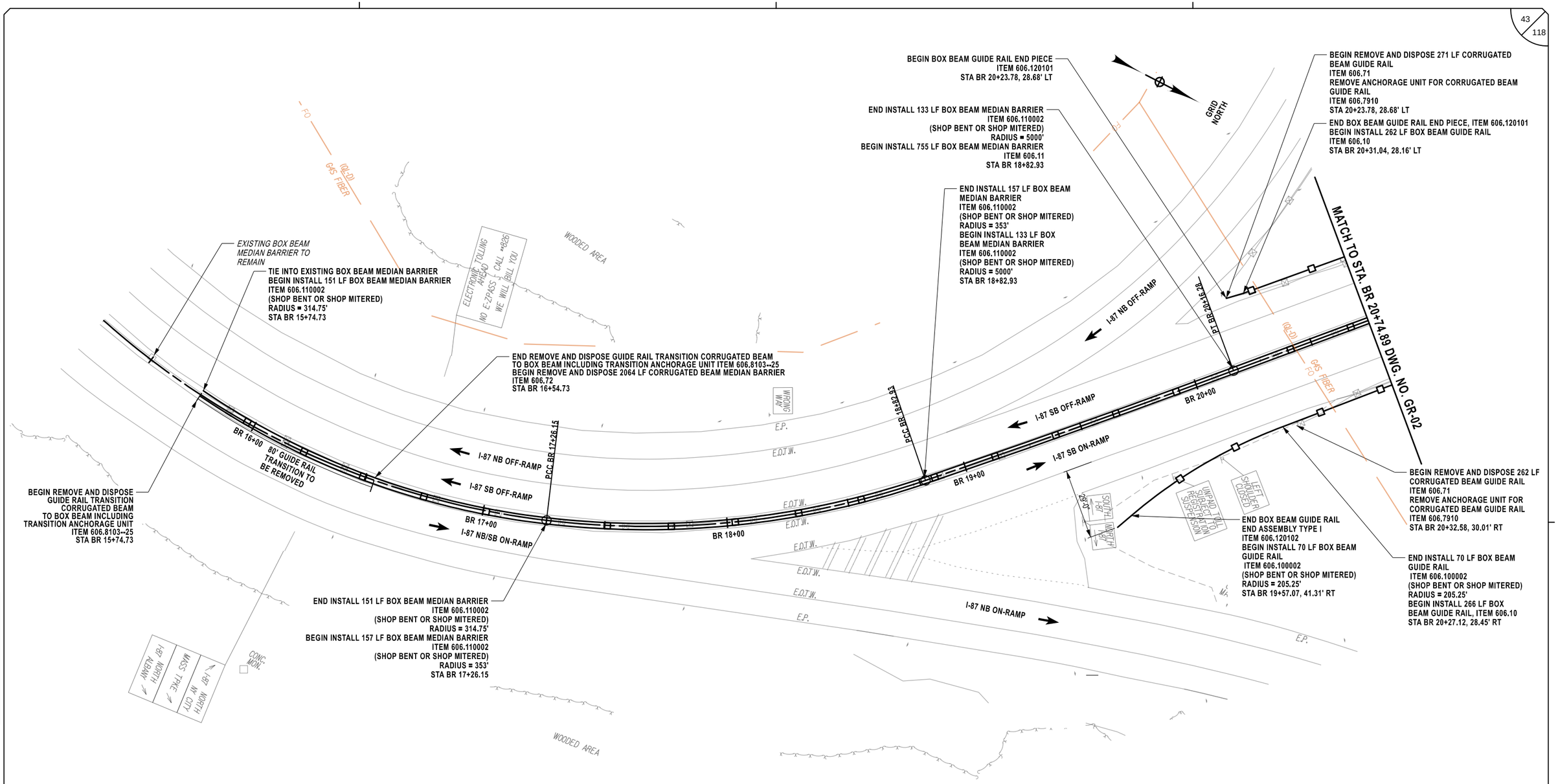
NEW YORK STATE | Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PROPOSED ROADWAY PROFILE (SHEET 2 OF 2)	DRAWING NUMBER: PRO-02

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN



NOTES:

1. POSTS REMOVED FROM PAVEMENT UNDER ITEM 606.72 MAY DAMAGE A PORTION OF THE EXISTING ASPHALT. IF ASPHALT IS DAMAGED WHEN POSTS ARE REMOVED, PAVEMENT SHALL BE REPAIRED UNDER ITEM 404.0972.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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

REVISIONS

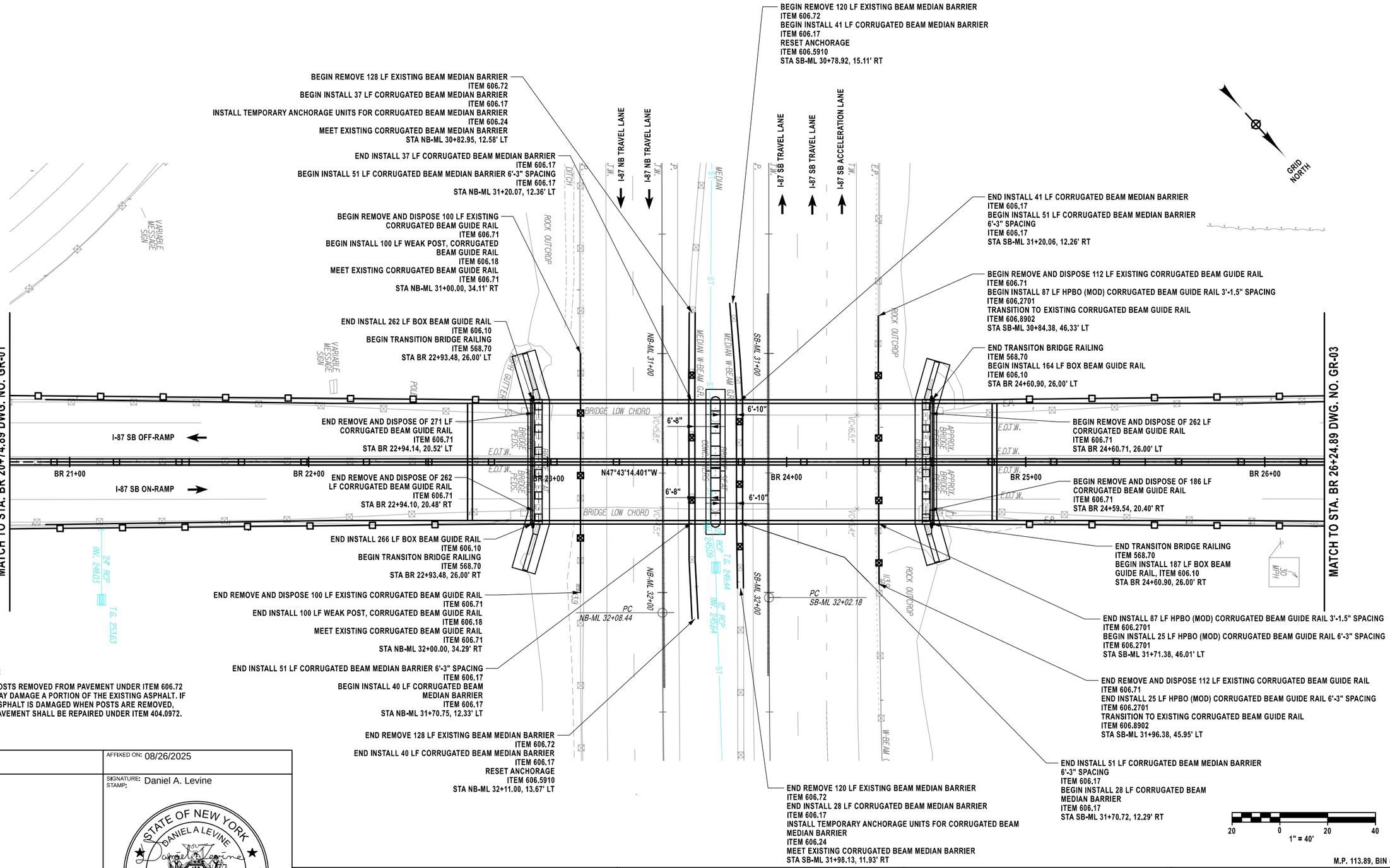
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GUIDE RAIL PLAN (SHEET 1 OF 4)	DRAWING NUMBER: GR-01

DESIGNED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



NOTES:

1. POSTS REMOVED FROM PAVEMENT UNDER ITEM 606.72 MAY DAMAGE A PORTION OF THE EXISTING ASPHALT. IF ASPHALT IS DAMAGED WHEN POSTS ARE REMOVED, PAVEMENT SHALL BE REPAIRED UNDER ITEM 404.0972.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · EXCELSIOR · 097330 · 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.

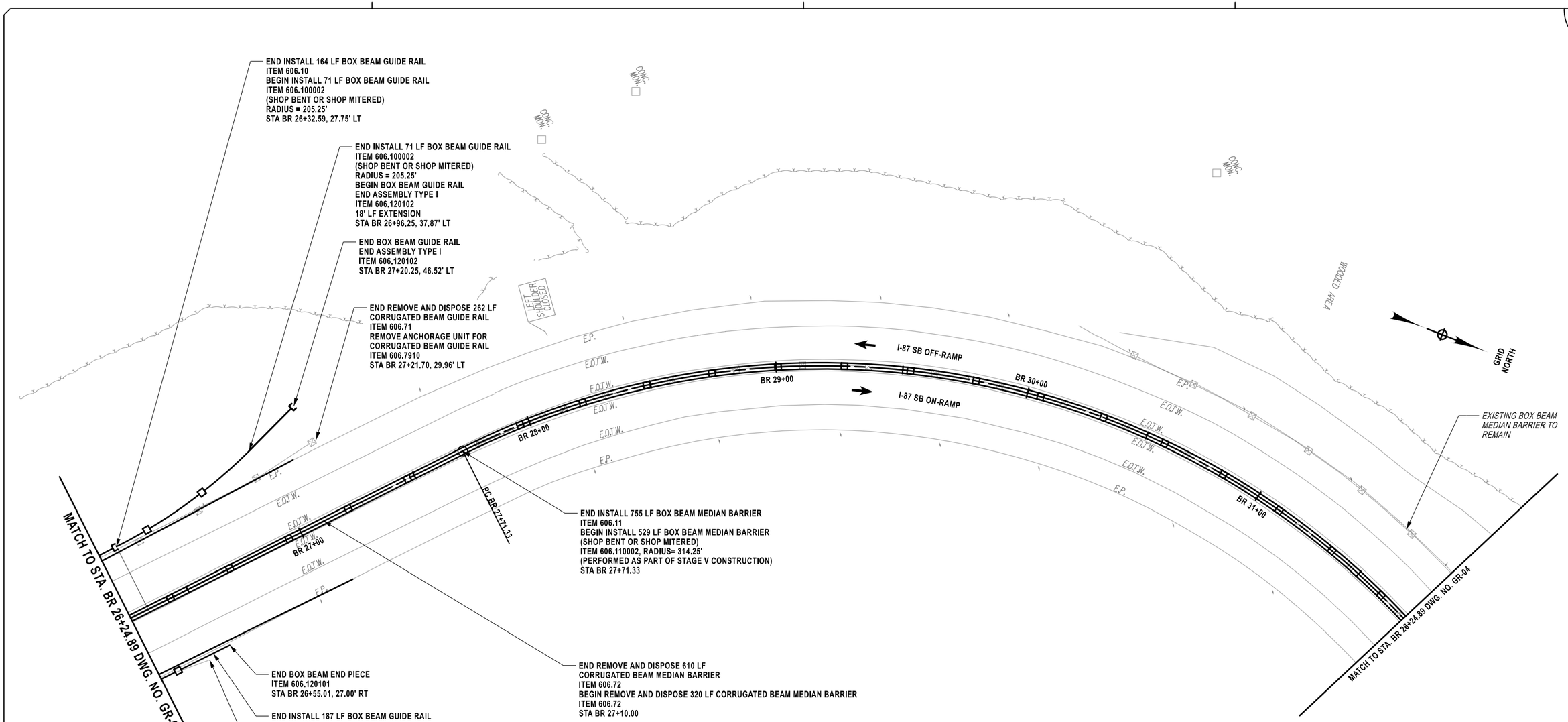
NEW YORK STATE Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GUIDE RAIL PLAN (SHEET 2 OF 4)	DRAWING NUMBER: GR-02

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN



ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
Daniel Levine
097330
LICENSED PROFESSIONAL ENGINEER

NOTES:

1. POSTS REMOVED FROM PAVEMENT UNDER ITEM 606.72 MAY DAMAGE A PORTION OF THE EXISTING ASPHALT. IF ASPHALT IS DAMAGED WHEN POSTS ARE REMOVED, PAVEMENT SHALL BE REPAIRED UNDER ITEM 404.0972.

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

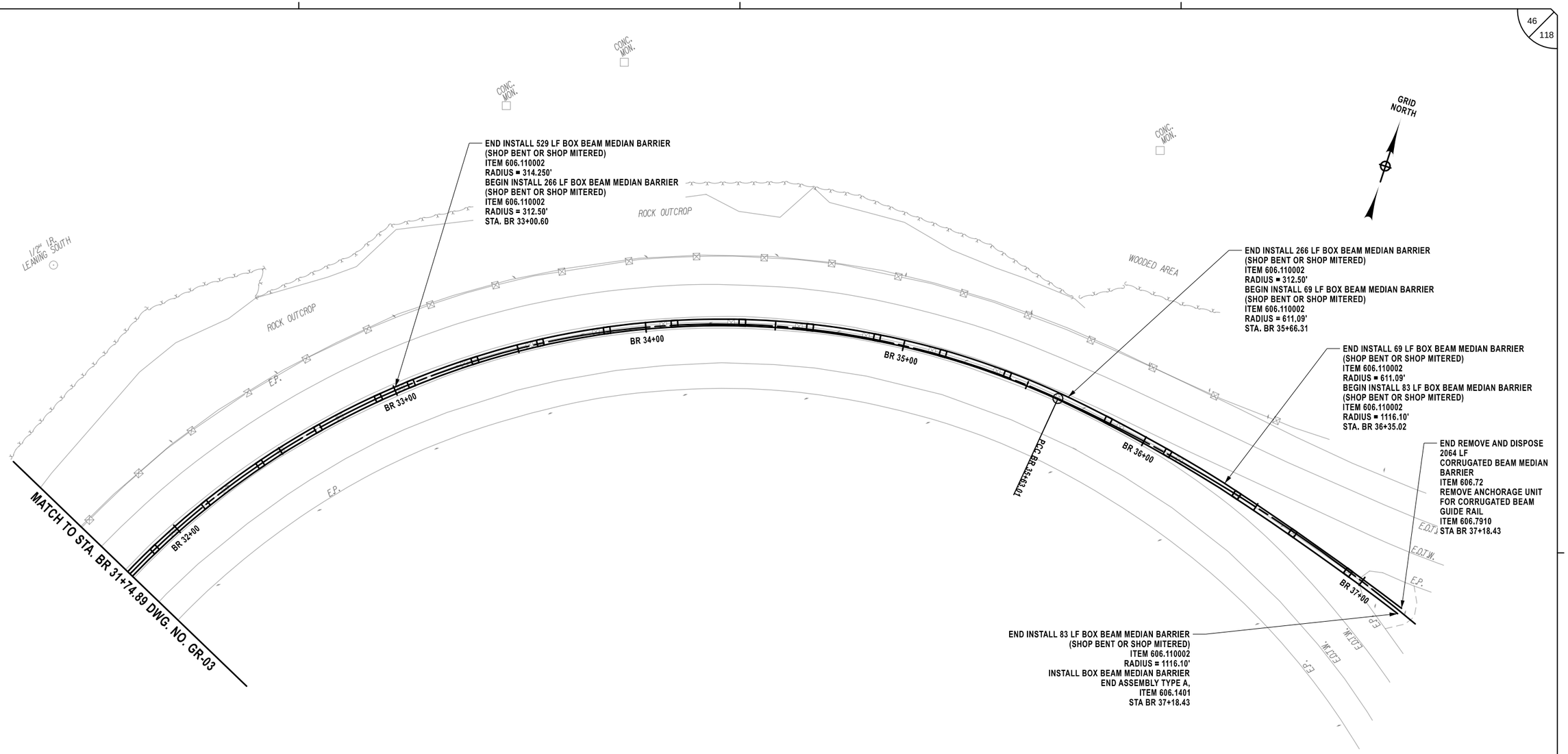
TITLE OF DRAWING
GUIDE RAIL PLAN
(SHEET 3 OF 4)

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: GR-03

DESIGN SUPERVISOR: C. LEUNG
DESIGNED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN



ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

NOTES:

1. **POSTS REMOVED FROM PAVEMENT UNDER ITEM 606.72 MAY DAMAGE A PORTION OF THE EXISTING ASPHALT. IF ASPHALT IS DAMAGED WHEN POSTS ARE REMOVED, PAVEMENT SHALL BE REPAIRED UNDER ITEM 404.0972.**

20 0 20 40
1" = 40'

M.P. 113.89, BIN 5513230

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

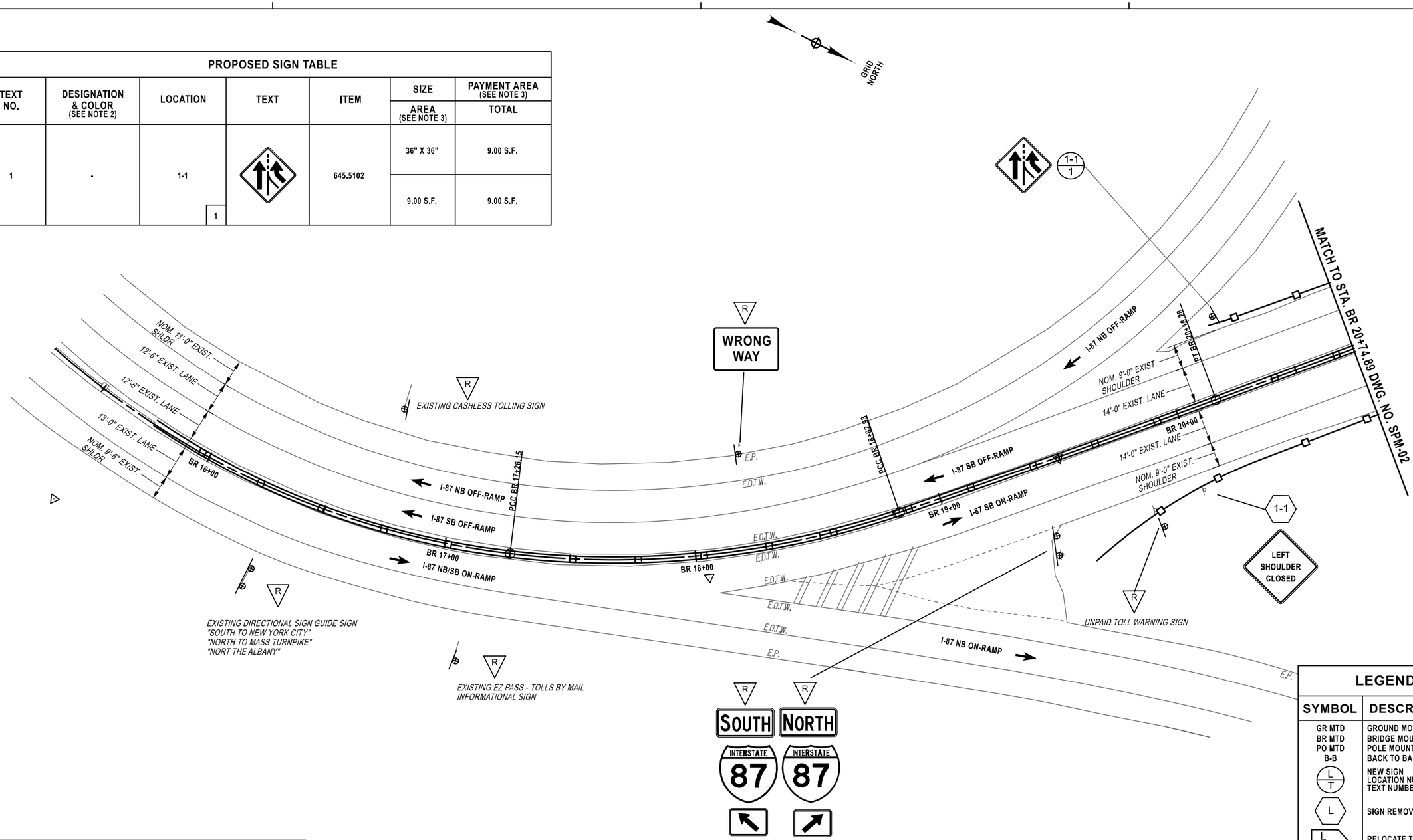
PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GUIDE RAIL PLAN (SHEET 4 OF 4)	DRAWING NUMBER: GR-04

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

PROPOSED SIGN TABLE

TEXT NO.	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE AREA (SEE NOTE 3)	PAYMENT AREA (SEE NOTE 3) TOTAL
1	-	1-1		645.5102	36" X 36"	9.00 S.F.
		1			9.00 S.F.	9.00 S.F.



LEGEND

SYMBOL	DESCRIPTION
GR MTD	GROUND MOUNTED
BR MTD	BRIDGE MOUNTED
PO MTD	POLE MOUNTED
B-B	BACK TO BACK
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L / T	RELOCATE TO POSITION SHOWN
R	TO REMAIN

20 0 20 40
1" = 40'

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

NOTES

1. SEE DWG. NO. SPM-02 FOR SIGNAGE NOTES

M.P. 113.89, BIN 5513230

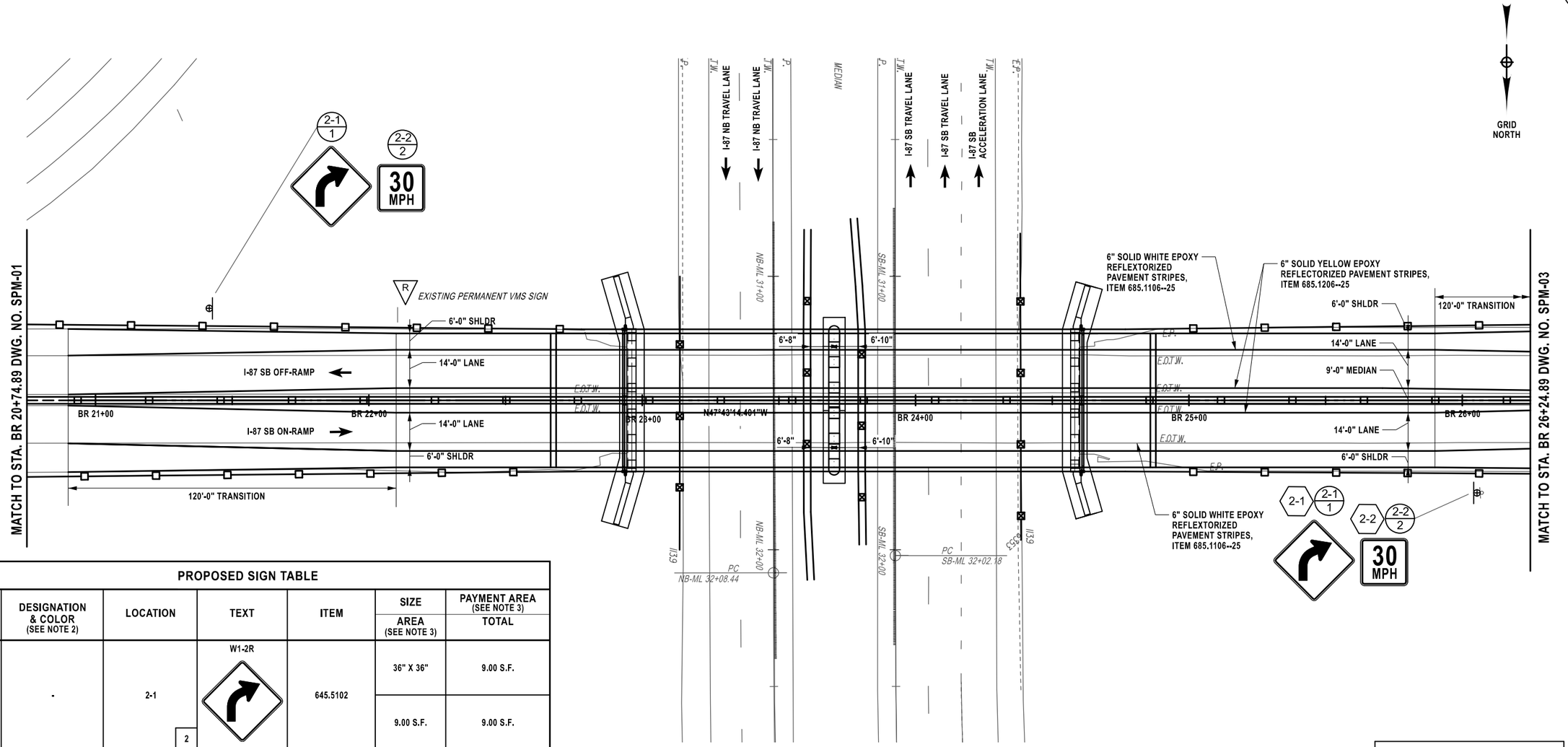
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: SIGNAGE AND PAVEMENT MARKING PLANS (SHEET 1 OF 3)	DRAWING NUMBER: SPM-01



PROPOSED SIGN TABLE

TEXT	DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE AREA (SEE NOTE 3)	PAYMENT AREA (SEE NOTE 3) TOTAL
1	-	2-1	W1-2R	645.5102	36" X 36"	9.00 S.F.
		2			9.00 S.F.	9.00 S.F.
2	-	2-2	W13-1P 30 MPH	645.5102	24" X 24"	4.00 S.F.
		2			4.00 S.F.	4.00 S.F.

LEGEND

SYMBOL	DESCRIPTION
GR MTD	GROUND MOUNTED
BR MTD	BRIDGE MOUNTED
PO MTD	POLE MOUNTED
B-B	BACK TO BACK
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L / T	RELOCATE TO POSITION SHOWN
R	TO REMAIN

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE:
STAMP: Daniel A. Levine

STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS AND ROLOCATED EXISTING SIGNS IN ACCORDANCE WITH MUTCD AND NYS SUPPLEMENT.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
4. NEW SIGNS ARE MOUNTED ON TYPE A SIGN POSTS ITEM 645.81

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21

LOCATION OF PROJECT: ALBANY DIVISION MP 113.89

TITLE OF DRAWING: SIGNAGE AND PAVEMENT MARKING PLANS (SHEET 2 OF 3)

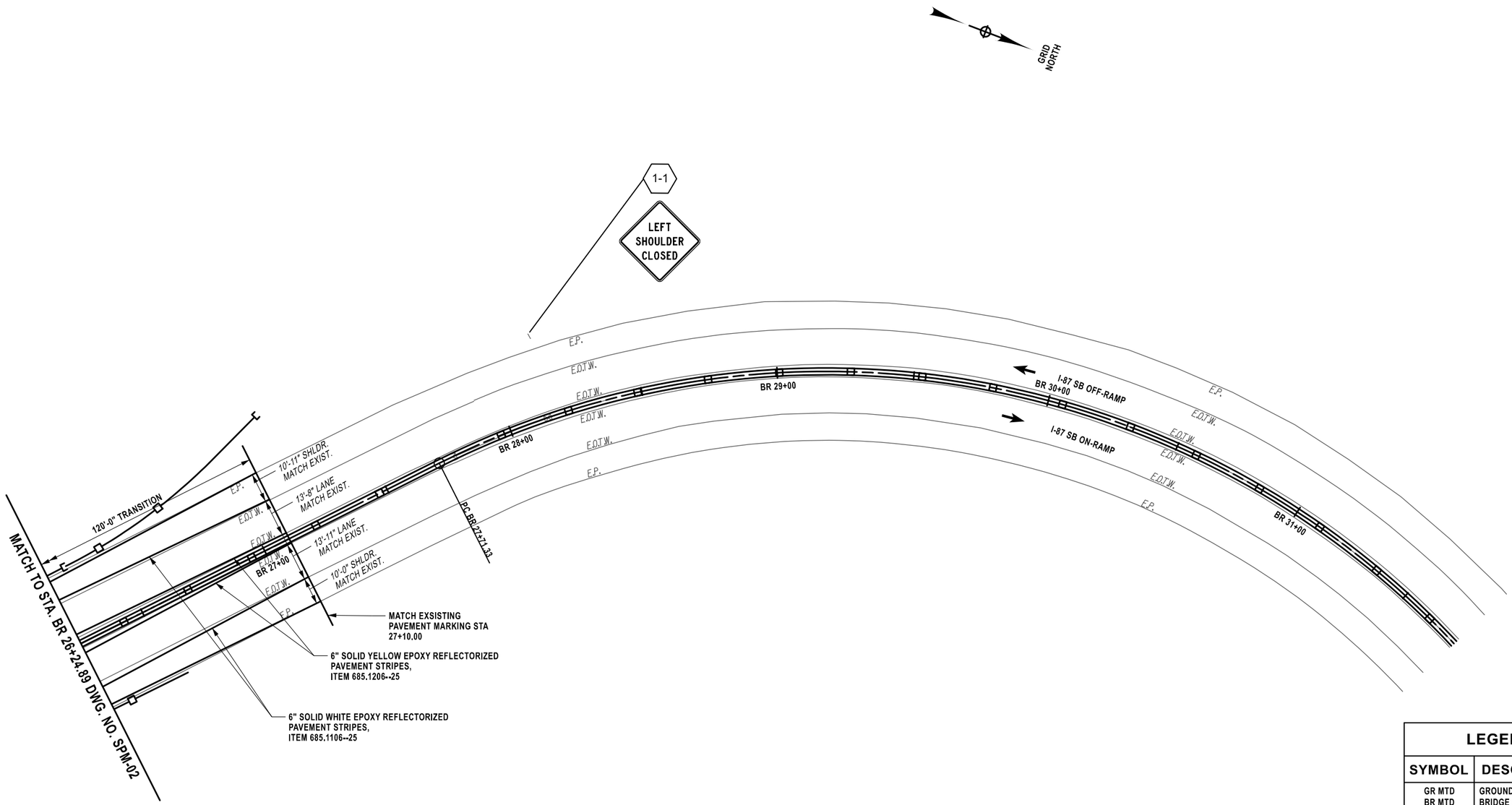
CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: SPM-02

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG
CHECKED BY: K. BOWERMAN

DESIGNED BY: J. FARKAS
DRAFTED BY: J. FARKAS
CHECKED BY: K. BOWERMAN
CHECKED BY: K. BOWERMAN
DESIGN SUPERVISOR: C. LEUNG



LEGEND	
SYMBOL	**DESCRIPTION**
GR MTD	GROUND MOUNTED
BR MTD	BRIDGE MOUNTED
PO MTD	POLE MOUNTED
B-B	BACK TO BACK
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L / T	RELOCATE TO POSITION SHOWN
R	TO REMAIN

20 0 20 40
1" = 40'

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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NEW YORK STATE Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	SIGNAGE AND PAVEMENT MARKING PLANS (SHEET 3 OF 3)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	SPM-03

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

NORTH

ROLLED EROSION CONTROL PRODUCT ITEM 209.190301

PREFABRICATED CHECK DAM - TEMPORARY ITEM 209.1105

SILT FENCE (TYP.) ITEM 209.13

I-87 NB TRAVEL LANE

I-87 NB TRAVEL LANE

SB-ML 31+00

MATCHLINE - SEE DWG ESC-2

PCC BR 18+82.93

PT BR 20+16.28

I-87 NB OFF-RAMP

I-87 SB OFF-RAMP

BR 18+00

BR 19+00

I-87 SB ON-RAMP

BR 20+00

BR 21+00

I-87 SB OFF-RAMP

BR 22+00

I-87 SB ON-RAMP

BR 23+00

N47°43'14.401"W

I-87 NB ON-RAMP

SF

SILT FENCE (TYP.) ITEM 209.13

DRAINAGE STRUCTURE INLET PROTECTION, SILT FENCE-TEMPORARY ITEM 209.1701

ROLLED EROSION CONTROL PRODUCT ITEM 209.190301

PC
18-ML 32+08.44

SB-ML 32+00

SB-ML 33+00

LEGEND

ROLLED EROSION CONTROL PRODUCT ITEM 209.190301

20 0 20 40 60 80'

1" = 40'

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 07/23/2025
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

STATE OF NEW YORK
JAMES M. CUMMINGS
080958
LICENSED PROFESSIONAL ENGINEER

EXP. 12/31/2026

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950
TOWANDA, PA 570 - 265 - 4868 BINGHAMTON, NY 607 - 798 - 8081
ALBANY, NY 607 - 798 - 8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT
BRIDGE SUPERSTRUCTURE REPLACEMENT INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION MP 113.89

TITLE OF DRAWING
EROSION AND SEDIMENT CONTROL PLAN

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: ESC-1

PREFABRICATED CHECK DAM - TEMPORARY ITEM 209.1105

ROLLED EROSION CONTROL PRODUCT ITEM 209.190301

SILT FENCE (TYP.) ITEM 209.13

DRAINAGE STRUCTURE INLET PROTECTION, SILT FENCE-TEMPORARY ITEM 209.1701

I-87 SB TRAVEL LANE

I-87 SB OFF-RAMP

I-87 SB ON-RAMP

MATCHLINE - SEE DWG ESC-1

BR 24+00 BR 25+00 BR 26+00 BR 27+00 BR 28+00 BR 29+00

PC BR 27+71.33

LEFT SHOULDER CLOSED

NORTH

LEGEND

ROLLED EROSION CONTROL PRODUCT ITEM 209.190301

20 0 20 40 60 80'

1" = 40'

M.P. 113.89, BIN 5513230

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

ALTERED ON:	AFFIXED ON: 07/23/2025
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP: STATE OF NEW YORK JAMES M. CUMMINGS 080958 LICENSED PROFESSIONAL ENGINEER EXP. 12/31/2026

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ALBANY, NY 607 - 798 - 8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0016220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT: BRIDGE SUPERSTRUCTURE REPLACEMENT INTERCHANGE 21

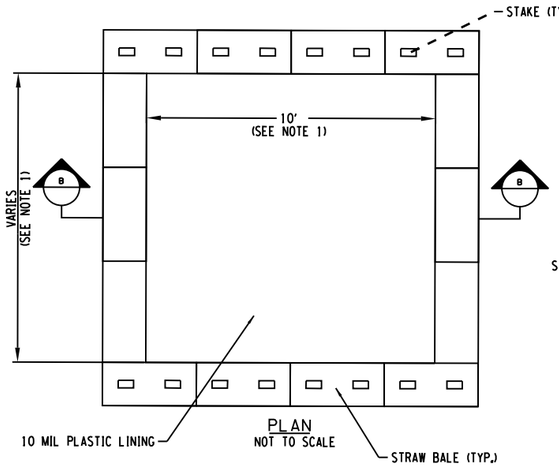
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89

TITLE OF DRAWING: EROSION AND SEDIMENT CONTROL PLAN

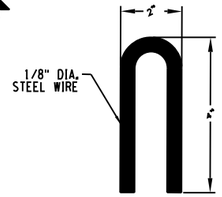
CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

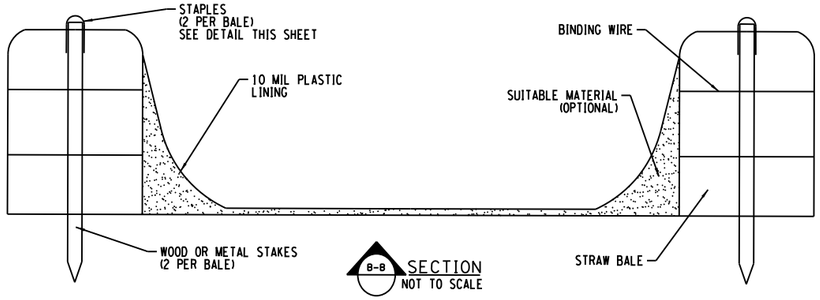
DRAWING NUMBER: ESC-2



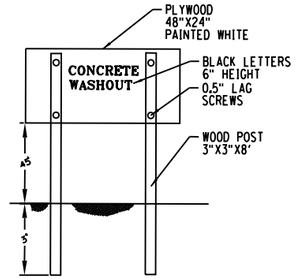
PLAN
NOT TO SCALE



STAPLE DETAIL
NOT TO SCALE



SECTION
NOT TO SCALE



CONCRETE WASHOUT
SIGN DETAIL
(OR EQUIVALENT)
NOT TO SCALE

STORMWATER POLLUTION PREVENTION AND EROSION CONTROL NOTES:

1. INSTALL SILT FENCING AS SHOWN ON THE PLANS AND AROUND THE PERIMETER OF ANY STOCKPILE AREAS AND ADD ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO PERFORMING ANY EARTH DISTURBANCE.
2. WHERE WORK IS SUSPENDED ON THE PROJECT, ALL AREAS OF SOIL DISTURBANCE SHALL BE STABILIZED PER ITEM 209.1003, TEMPORARY SEED AND MULCH, PRIOR TO SHUT DOWN.
3. ALL STOCKPILES SHALL BE ENCIRCLED WITH SILT FENCE AND COVERED WITH A TARP OR SEEDED AND MULCHED WITHIN 24HRS OF CREATION. COST OF WORK SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
4. CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS OFF ALL PAVED SURFACES AT THE END OF EACH DAY OR AS DIRECTED BY ENGINEER. COST OF CLEANING SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
5. CONTRACTOR SHALL NOT WASH CONCRETE OR SLURRY TRUCKS, TOOLS, OR EQUIPMENT OUT ONTO BARE GROUND OR DIRECTLY INTO STORM OR SANITARY SEWER SYSTEMS (INCLUDING SWALES, DITCHES AND WETLANDS). EXCESS CONCRETE, SLURRY AND WASH WATER SHALL BE COLLECTED IN A WASH BASIN AND DISPOSED OF PROPERLY.
6. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE ENGINEER THEIR WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATIONS AS REQUIRED BY SECTION 209 OF THE NYSDOT STANDARD SPECIFICATIONS.
7. INSPECTION, PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY SOIL EROSION AND POLLUTION CONTROL DEVICES SHALL BE PERFORMED ON A SCHEDULE BASIS IN ACCORDANCE WITH SECTION 209 OF THE NYSDOT STANDARD SPECIFICATIONS AND THE PROJECT'S SWPPP. THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE PAID FOR UNDER THE ITEMS SHOWN.
8. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAM OR WATERWAY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE OR SLURRY LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
9. PROJECT DISTURBANCE IS ANTICIPATED TO BE LESS THAN ONE (1) ACRE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DEVELOPING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND NOTICE OF INTENT (NOI) IF THE DISTURBANCE GOES OVER ONE (1) ACRE.
10. IF DEWATERING IS REQUIRED THE COST SHALL BE INCLUDED IN PRICE BID FOR THE ITEM REQUIRING THE DEWATERING. THE CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION IF THEY ELECT TO USE WELL POINTS. ALL WATER FROM DEWATERING OPERATIONS OR EXCAVATION ACTIVITIES SHALL PASS THROUGH A SETTLING TANK, ITEM 209.31000010, OR A GEOTEXTILE FABRIC SEDIMENT COLLECTION BAG ITEM 209.11000001 PRIOR TO BEING DISCHARGED TO A CANAL, CREEK,STREAM, OR CLOSED DRAINAGE SYSTEM DITCH.
11. ALL CONTROLS SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL EROSION CONTROL MEASURES THAT MAY BE REQUIRED OR AS ORDERED BY ENGINEER.
13. CONTRACTOR STAGING AREAS SHALL BE EXISTING AREAS OF NON DISTURBABLE COVER. (I.E. ASPHALT MILLING, ASPHALT OR CONCRETE PAVEMENT). IF THE CONTRACTOR CREATES A STAGING AREA ON DISTURBABLE COVER (I.E. GRASS) THEN THE ENTIRE AREA SHALL BE ENCLOSED WITH SILT FENCE.
14. CONTRACTORS SHALL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE INTO AND OUT OF EACH WORK AREA AND EACH STAGING AREA CONSTRUCTED ON DISTURBABLE COVER.
15. CONTRACTOR SHALL DECOMPACT ALL AREAS OF PAVEMENT OR IMPERVIOUS COVER REMOVAL THAT WILL BE MADE PERVIOUS COVER. DECOMPACTION SHALL BE ACCOMPLISHED BY DEEP RIPPING OR TILLING TO A DEPTH OF 1.5 FEET BELOW THE BOTTOM OF THE EXISTING SUBBASE LAYER IN ORDER TO REESTABLISH THE PERMIABILITY OF THE SOIL. THE COST OF DECOMPACTION SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

CONCRETE WASHOUT NOTES:

1. ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. LOCATE WASHOUT AREA AT LEAST 50-FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID OR SOLID WASTE.
4. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4-INCHES.
5. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10-FEET, BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
6. STRAW BALES, WOOD STAKES, AND SANDBAG MATERIALS SHALL CONFORM TO THE PROVISIONS IN THE EROSION AND SEDIMENT CONTROL SPECIFICATION.
7. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
8. HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.
9. WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES SHALL BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
10. THE COST FOR THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE PRICE BID FOR ALL CONCRETE ITEMS (555.0011, 555.0021, 555.0022, 557.1113, 569.04, 557.30, 557.1013, AND ANY OTHER CONCRETE ITEM).

CONCRETE WASHOUT DETAIL

NOT TO SCALE

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

ALTERED ON:	AFFIXED ON: 07/23/2025
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP: STATE OF NEW YORK · JAMES M. CUMMINGS · 080958 · LICENSED PROFESSIONAL ENGINEER EXP. 12/31/2026

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REVISIONS

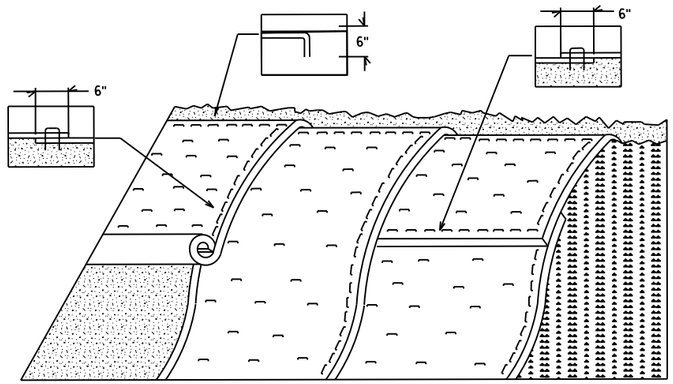
DATE	DESCRIPTION	BY	SYM.

M.P. 113.89, BIN 5513230

NEW YORK STATE Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7050
TOWANDA, PA 570 - 265 - 4868 BINGHAMTON, NY 607 - 798 - 8081
ALBANY, NY 607 - 798 - 8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0016220 PA CERTIFICATE NO. TSC2203131466-1

TITLE OF PROJECT BRIDGE SUPERSTRUCTURE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING EROSION & SEDIMENT CONTROL DETAILS	DRAWING NUMBER: ECD-1



APPLICATION NOTES:

A. EROSION MATTING ON SLOPES IS FOR REDUCING EROSION AND AIDING THE ESTABLISHMENT OF VEGETATION

B. EROSION CONTROL MATTING SHALL BE USED FOR THE FOLLOWING:

- SLOPES GREATER THAN 3H:1V
- AREAS WHERE SEED AND MULCH WILL NOT STAY IN PLACE
- WHERE SEEDING IS OUTSIDE THE GROWING SEASON.
- WHERE INDICATED ON THE PLANS OR DETAILS.
- AS ORDERED BY ENGINEER.

GENERAL NOTES:

1. GRADE AND SMOOTH THE SLOPE TO PROVIDE GOOD MATTING-TO-SOIL SURFACE CONTACT.
2. APPLY FERTILIZER, LIME, AND SEED PRIOR TO PLACING MATTING.
3. ANCHOR MATTING AS SHOWN, UTILIZING ANCHOR STAPLES. STAPLE PLACEMENT SHALL BE DETERMINED BY THE MANUFACTURER'S INTALLATION INSTRUCTIONS.
4. UNROLL EROSION MATTING VERTICALLY DOWN SLOPE AND IN THE DIRECTION OF WATER FLOW.
5. OVERLAP UPPER MATTING OVER LOWER MATTING AS SHOWN.
6. OVERLAP ADJACENT MATTING AS SHOWN.
7. CUT EXCESS MATTING AT END OF SLOPE AND ANCHOR THE END.
8. EROSION MATTING SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS
9. EROSION MATTING SHALL BE REPAIRED AND RESTAPLED AS NECESSARY TO ENSURE PROPER FUNCTION.

ROLLED EROSION CONTROLPRODUCT - CLASS II, TYPE C, INTERMEDIATE

ITEM 209.190301
NOT TO SCALE

ITEM 209.1105 (LF)
PREFABRICATED CHECK DAM

STATION	OFFSET	LENGTH (FT)
BR23+07.23	90.9'	5.40
BR23+73.28	86.50'	17.1
BR24+38.16	95.23'	6.5
	TOTAL:	29.0

ITEM 209.13 (LF)
SILT FENCE

FROM STATION	TO STATION	SIDE	COMMENT	LENGTH (FT)
BR24+70.59	BR27+12.77	R		245.33
BR25+19.95	BR27+15.23	L		205.70
BR24+59.59	BR25+26.16	L		71.75
BR22+01.59	BR22+07.06	R		48.79
BR22+37.93	BR22+74.56	L		37.17
BR21+39.02	BR21+78.46	R		64.30
BR20+67.23	BR21+57.98	R		92.52
BR21+52.19	BR22+39.44	L		87.62
BR20+82.67	BR21+72.82	L		90.19
			TOTAL	943.37

ITEM 209.1701 (LF)
INLET PROTECTION

STATION	OFFSET	LENGTH (FT)
BR23+61.93	29.90'	16.00
BR23+62.00	31.44'	16.00
BR23+69.84	52.17'	16.00
BR23+71.56	46.57'	16.00
BR21+11.59	60.06'	16.00
	TOTAL:	80.00

ITEM 209.190301 (SY)
ROLLED EROSION CONTROL PRODUCT

FROM STATION	TO STATION	SIDE	COMMENT	AREA (SF)	AREA (SY)
BR24+59.69	BR27+10.00	L	ROADWAY SLOPE TO EXISTING GROUND	2054.90	228.32
BR24+59.69	BR27+09.98	R	ROADWAY SLOPE TO EXISTING GROUND	1839.96	204.44
BR20+89.99	BR22+94.69	L	ROADWAY SLOPE TO EXISTING GROUND	2421.15	269.02
BR20+89.99	BR22+94.69	R	ROADWAY SLOPE TO EXISTING GROUND	2596.61	288.51
			TOTAL:		990.29

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

ALTERED ON:	AFFIXED ON: 07/23/2025
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP: STATE OF NEW YORK · JAMES M. CUMMINGS · 080958 · LICENSED PROFESSIONAL ENGINEER EXP. 12/31/2026

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

M.P. 113.89, BIN 5513230

NEW YORK STATE | Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950
TOWANDA, PA 570 - 265 - 4868 BINGHAMTON, NY 607 - 798 - 8081
ALBANY, NY 607 - 798 - 8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313466-1

TITLE OF PROJECT: BRIDGE SUPERSTRUCTURE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: EROSION & SEDIMENT CONTROL DETAILS

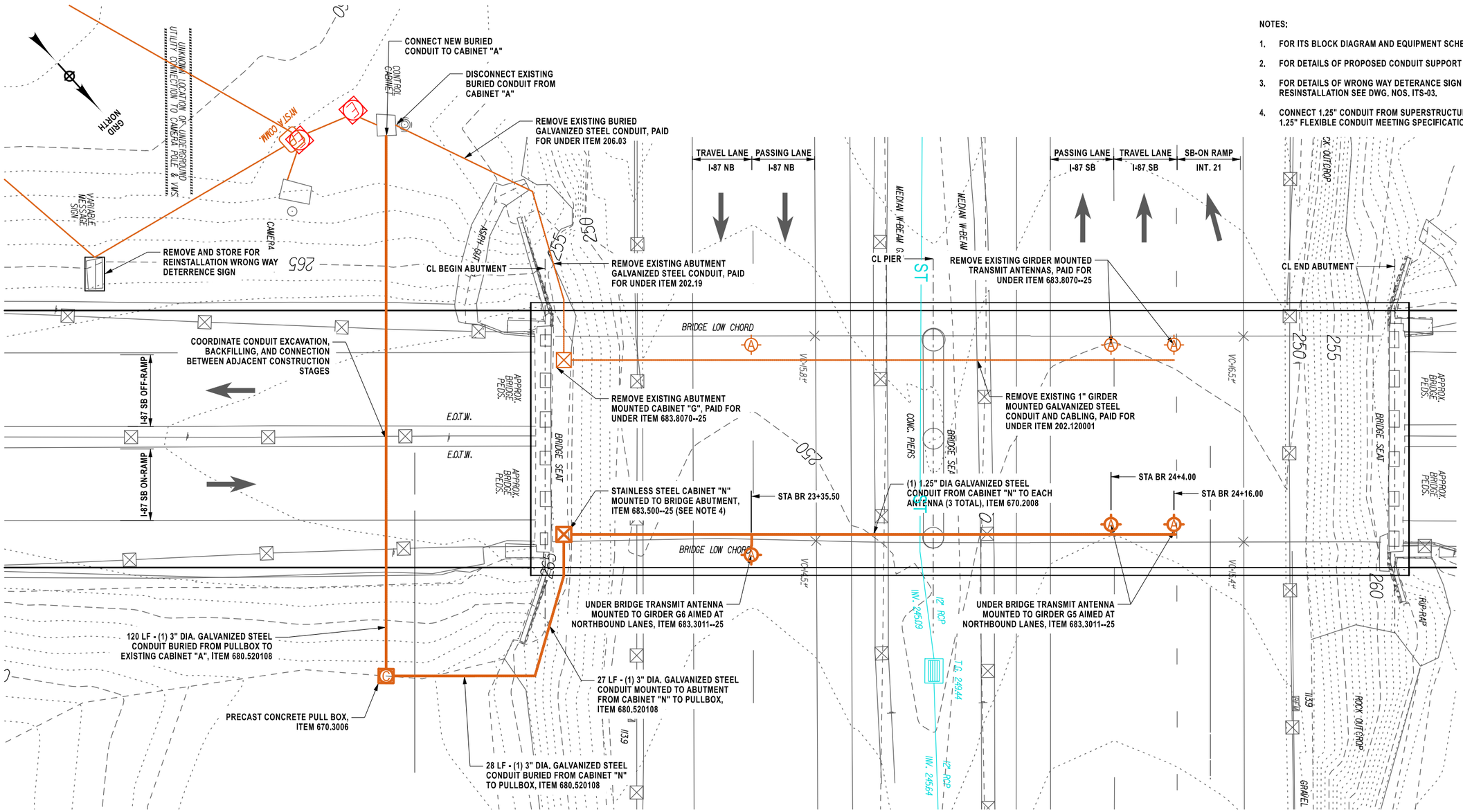
CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ECD-2

PW:

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

NOTES:

1. FOR ITS BLOCK DIAGRAM AND EQUIPMENT SCHEDULE SEE DWG. NO. ITS-02.
2. FOR DETAILS OF PROPOSED CONDUIT SUPPORT SEE DWG. NO. ITS-05.
3. FOR DETAILS OF WRONG WAY DETERANCE SIGN REMOVAL AND RESINSTALLATION SEE DWG. NOS. ITS-03.
4. CONNECT 1.25" CONDUIT FROM SUPERSTRUCTURE TO CABINET "N" USING 1.25" FLEXIBLE CONDUIT MEETING SPECIFICATION REQUIREMENTS 723-24.



ITS PLAN
SCALE: 1" = 20'-0"

ESTIMATE OF QUANTITIES

DESCRIPTION	ITEM 202.120001	ITEM 202.19	ITEM 206.03	ITEM 670.2008	ITEM 670.520108	ITEM 680.510501	ITEM 683.5000--25
REMOVAL OF BRIDGE MOUNTED CONDUIT	255 LF						
REMOVAL OF ABUTMENT MOUNTED CONDUIT		30 LF					
REMOVAL OF BURIED CONDUIT			30 LF				
INSTALLATION OF 1.25" BRIDGE MOUNTED CONDUIT				255 LF			
INSTALLATION OF 3" ABUTMENT MOUNTED CONDIUT					30 LF		
INSTALLATION OF BURIED 3" CONDUIT			150 LF		150 LF		
PRECAST CONCRETE PULL BOX						1 EA	
STAINLESS STEEL CABINET							1 EA

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

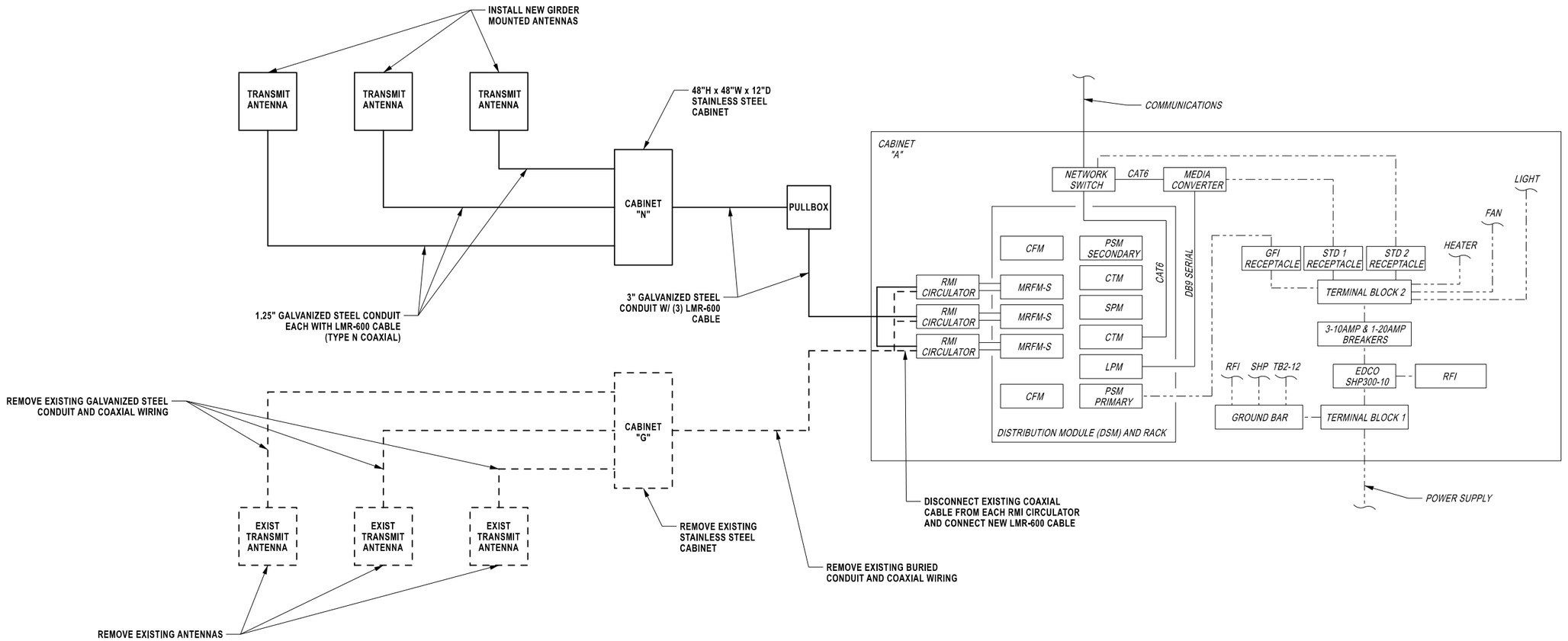
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: GENERAL ITS PLAN

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ITS-01



ITS EQUIPMENT LIST						
COMPONENT	**DESCRIPTION / COMMENTS**	**DISPOSITION**	**MANUFACTURER**	**MODEL NUMBER**	**ITEM NO.**	**QUANTITY**
EXISTING EQUIPMENT						
TRANSMIT ANTENNA	*BRIDGE MOUNTED TRANSMIT ANTENNA*	*REMOVE AND RETURN TO AUTHORITY (NOT RELOCATED)*	*KAPSCH*		*683.8070--25*	4
CABINET "G"	*STAINLESS STEEL ABUTMENT MOUNTED CABINET*	*REMOVE AND DISPOSE*				
RMI CIRCULATOR	*COAXIAL CIRCULATOR 895-935 MHz*	*TO REMAIN; DISCONNECT EXISTING CABLING AND CONNECT PROPOSED*	*RESPONSE MICROWAVE INC.*		*N/A*	*N/A*
DSM	*DISTRIBUTION MODULE (DSM) AND RACK*	*TO REMAIN*	*KAPSCH*	*802260*		
MRFM-S	*SMART MULTI-PROTOCOL RF MODULE*	*TO REMAIN*	*KAPSCH*	*802295A*		
CFM	*CONFIGURATION MODULE*	*TO REMAIN*	*KAPSCH*			
PSM	*POWER SUPPLY MODULE*	*TO REMAIN*	*KAPSCH*	*802311*		
LPM	*LANE PORT MODULE*	*TO REMAIN*	*KAPSCH*			
CTM	*CONTROL MODULE*	*TO REMAIN*	*KAPSCH*	*802284*		
SPM	*SYNCHRONIZATION PORT MODULE*	*TO REMAIN*	*KAPSCH*			
MEDIA CONVERTER		*TO REMAIN*				
NETWORK SWITCH		*TO REMAIN*				
PROPOSED EQUIPMENT						
VRC ANTENNA	**BRIDGE MOUNTED ANTENNA**	**NEW**	**PER SPECIFICATION**		**683.3011--25**	3
CABINET "N"	**48"W x 48"H x 12"D STAINLESS STEEL NEMA TYPE 4X ENCLOSURE (NO SHELVES REQUIRED)**	**NEW**	**PER SPECIFICATIONS**		**683.5000--25**	1
PULL BOX	**CAST-IRON FRAME TO MARKED "COMMUNICATIONS"**	**NEW**	**NYSDOT APPROVED SUPPLIER**		**680.510501**	1

NOTES:

1. **FOR GENERAL ITS PLAN INCLUDING LOCATION OF ANTENNAS AND CABINETS, SEE DWG. NO. ITS-01.**

M.P. 113.89, BIN 5513230

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: ITS BLOCK DIAGRAM	DRAWING NUMBER: ITS-02

PW:/

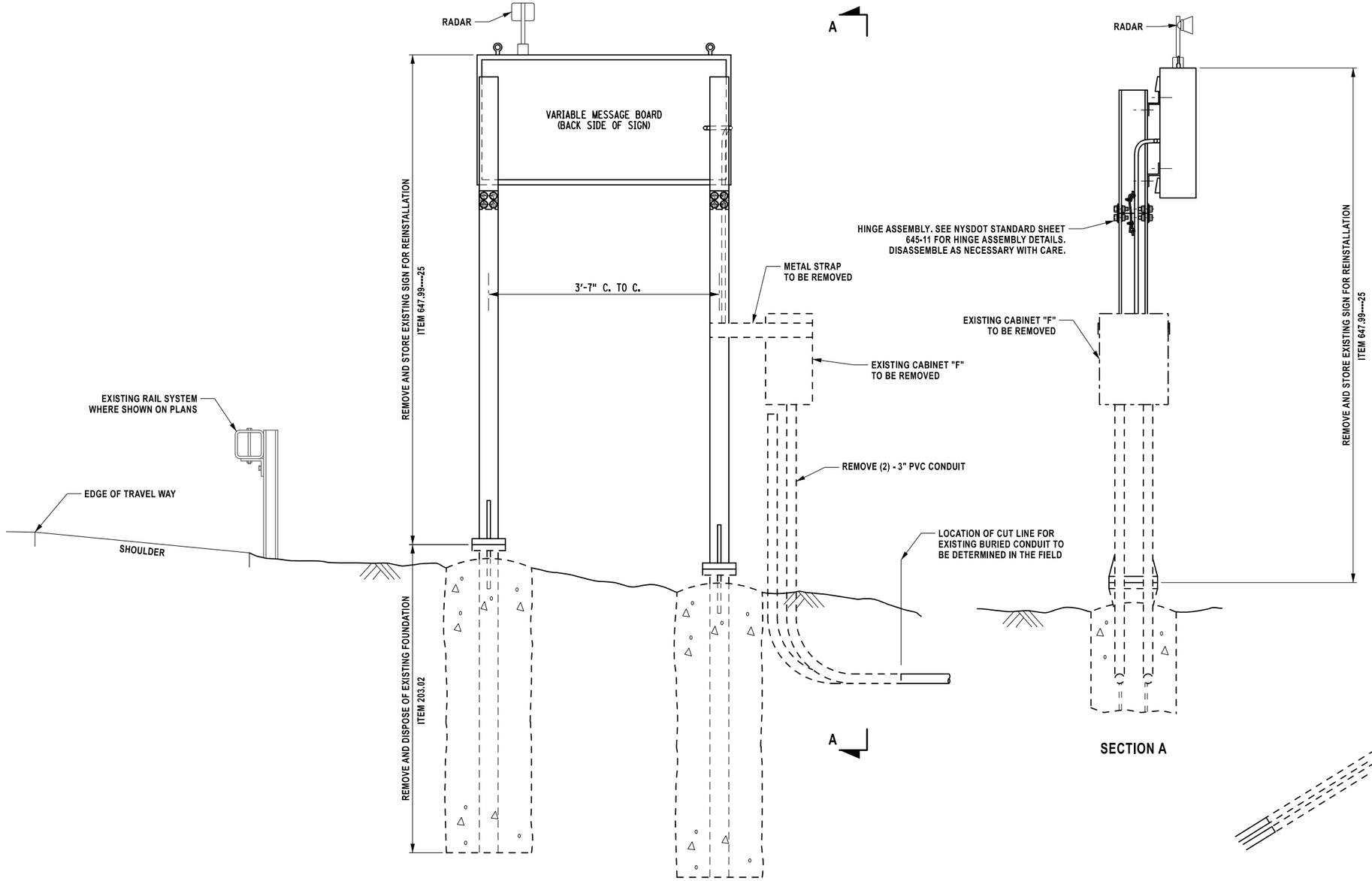
CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

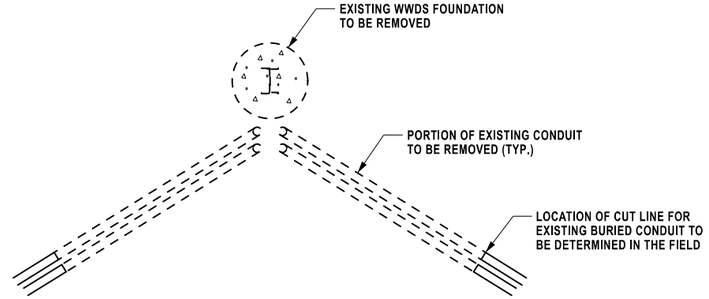
DESIGNED BY: TA

DESIGN SUPERVISOR: D. LEVINE



ELEVATION
WRONG WAY DETERRANCE SIGN

SECTION A



PARTIAL PLAN
BURIED UTILITIES

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

ITEM	DESCRIPTION	UNIT
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF
645.45980025	SIGN COMMISSIONING	EA
645.830202	TYPE B SIGN POST, GALVANIZED, W6X9 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
647.99--25	REMOVING, STORING, AND REINSTALLING SIGNS	EA
662.74125325	HDPE INNERDUCT (1 1/4")	LF
680.5109--25	PULLBOX - B	EA
680.520103	CONDUIT, METAL STEEL, ZINC COATED, 1" DIA.	LF
680.52080325	1 NPS CONDUIT, FLEXIBLE, LIQUIDTIGHT PVC	LF

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REVISIONS

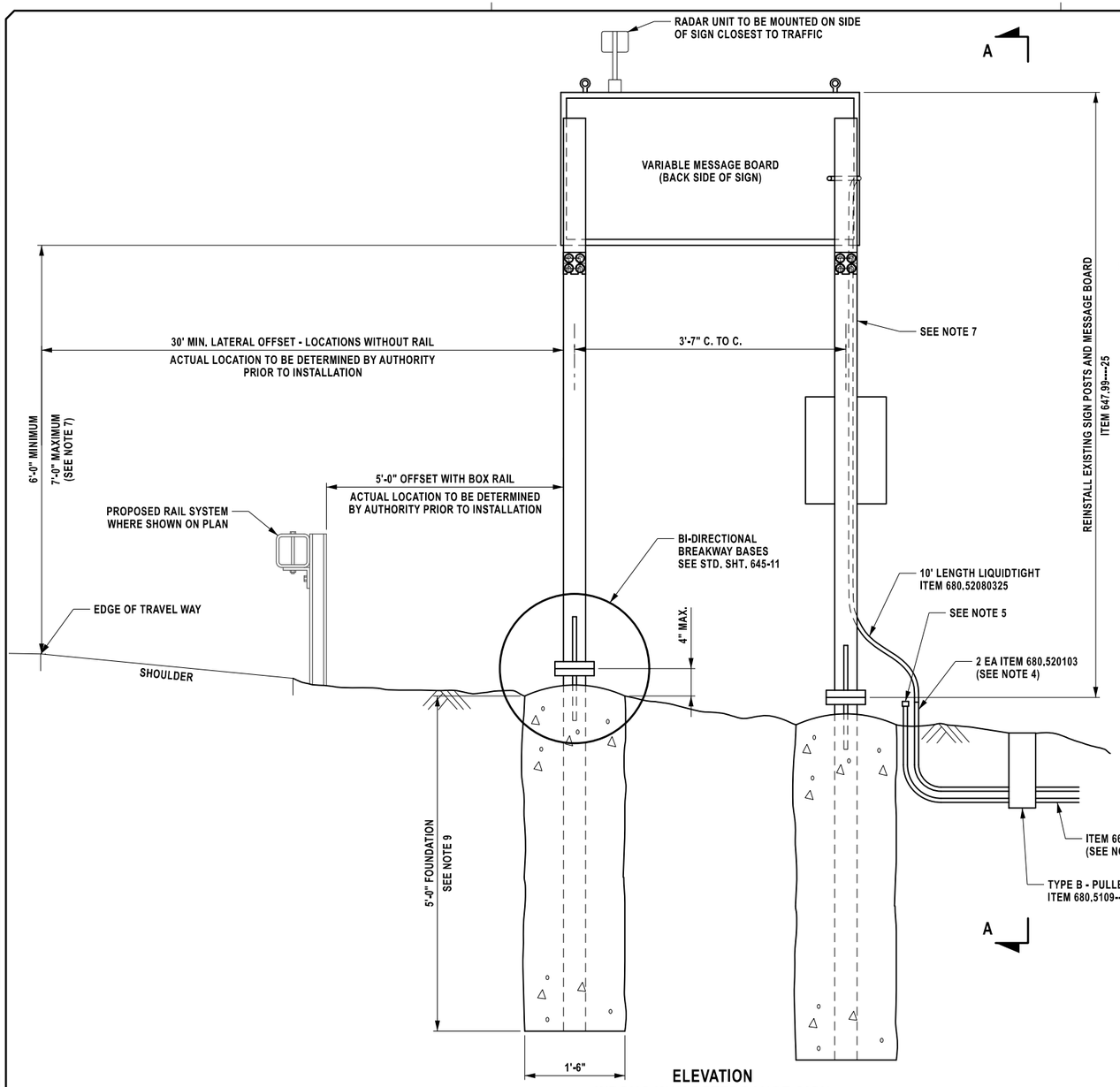
DATE	DESCRIPTION	BY	SYM.

M.P. 113.89, BIN 5513230

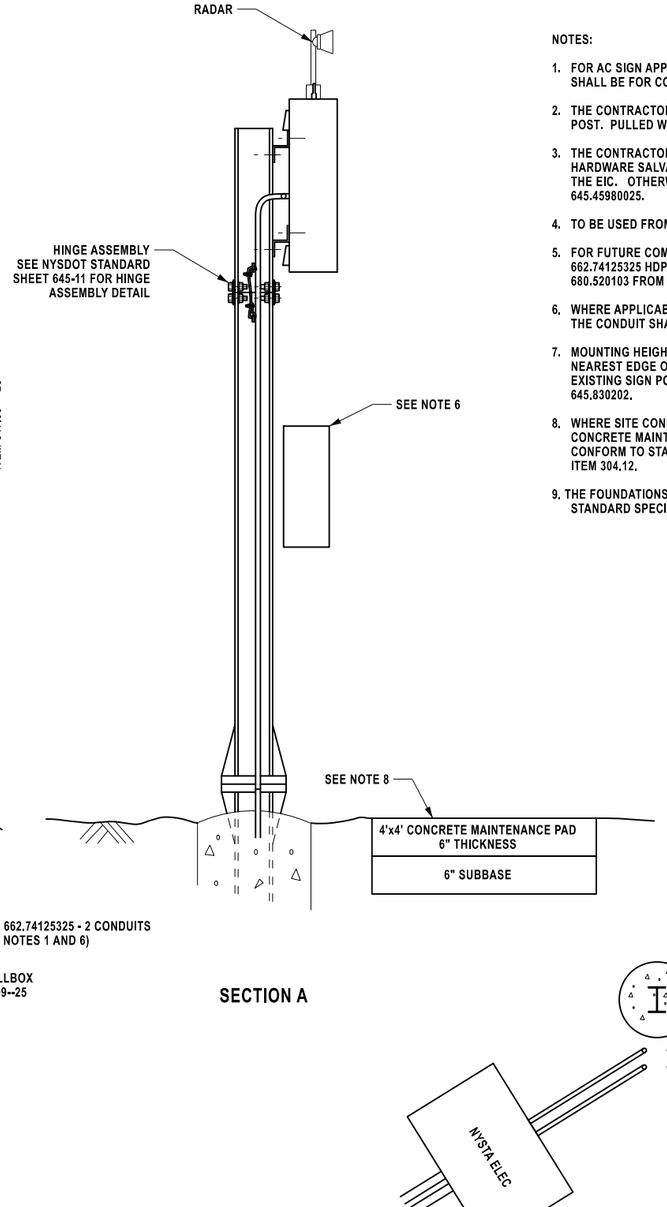
NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING WRONG WAY SIGN DISPLAY REMOVAL & RELOCATION (SHEET 1 OF 2)	DRAWING NUMBER: ITS-03



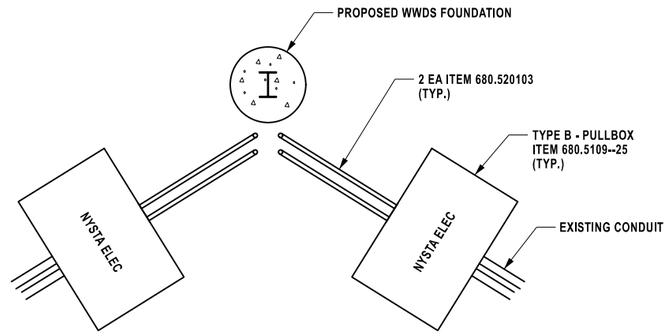
ELEVATION
WRONG WAY DETERRANCE SIGN



SECTION A

NOTES:

1. FOR AC SIGN APPLICATION, PULL ALL AC WIRES THROUGH ONE CONDUIT. THE OTHER CONDUIT SHALL BE FOR COMMUNICATIONS IN THE FUTURE.
2. THE CONTRACTOR SHALL INSTALL LIQUIDTIGHT WITH AN ELOBOW ATTACHED TO THE SIGN POST. PULLED WIRE SHALL MINIMALLY EXTEND 3' BEYOND THE LIQUIDTIGHT.
3. THE CONTRACTOR SHALL INSTALL SIGN USING STAINLESS STEEL HARDWARE. EXISTING HARDWARE SALVAGED FROM THE RELLOCATED SIGN CAN BE REUSED WITH THE APPROVAL OF THE EIC. OTHERWISE, NEW HARDWARE SHALL BE PROVIDED AND PAID FOR UNDER ITEM 645.45980025.
4. TO BE USED FROM PULL BOX/ ELECTRICAL BOX TO LIQUID TIGHT OR SUBPANEL.
5. FOR FUTURE COMMUNICATION CONDUIT ON AC SIGNS ONLY, INSTALL (2 EACH) ITEM 662.74125325 HDPE INNERDUCT FROM POWER SOURCE TO PULL BOX. INSTALL (2 EACH) ITEM 680.520103 FROM PULL BOX TO SIGN. ONE TO BE CAPPED OFF AND MADE WATER TIGHT.
6. WHERE APPLICABLE, AN ELECTRICAL BOX WILL BE ATTACHED TO THIS POST. IN THIS CASE, THE CONDUIT SHALL CONNECT INTO THE BOX.
7. MOUNTING HEIGHT SHALL BE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAREST EDGE OF TRAVEL WAY. IF MOUNTING HEIGHT PREVENTS THE RE-USE OF THE EXISTING SIGN POST, A NEW POST SHALL BE FABRICATED AND PAID FOR UNDER ITEM 645.830202.
8. WHERE SITE CONDITIONS ALLOW, A CONCRETE MAINTENANCE WORKPAD SHALL BE INSTALLED. CONCRETE MAINTENANCE PAD SHALL BE PAID FOR UNDER ITEM 647.99----25 AND SHALL CONFORM TO STANDARD SPECIFICATION 645-2.05 AND SUBBASE SHALL BE PAID FOR UNDER ITEM 304.12.
9. THE FOUNDATIONS WILL BE PAID FOR UNDER ITEM 647.99----25 AND SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 645-2.05.



PARTIAL PLAN
BURIED UTILITIES

M.P. 113.89, BIN 5513230

ITEM	DESCRIPTION	UNIT
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF
645.45980025	SIGN COMMISSIONING	EA
645.830202	TYPE B SIGN POST, GALVANIZED, W6X9 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
647.99--25	REMOVING, STORING, AND REINSTALLING SIGNS	EA
662.74125325	HDPE INNERDUCT (1 1/4")	LF
680.5109--25	PULLBOX - B	EA
680.520103	CONDUIT, METAL STEEL, ZINC COATED, 1" DIA.	LF
680.52080325	1 NPS CONDUIT, FLEXIBLE, LIQUIDTIGHT PVC	LF

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

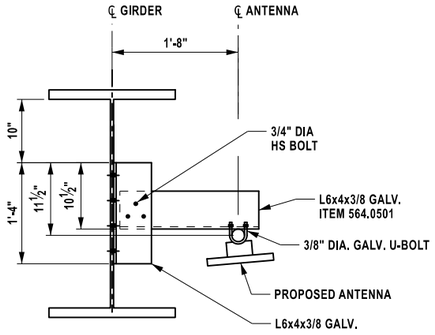
NEW YORK STATE Thruway Authority

PARSONS

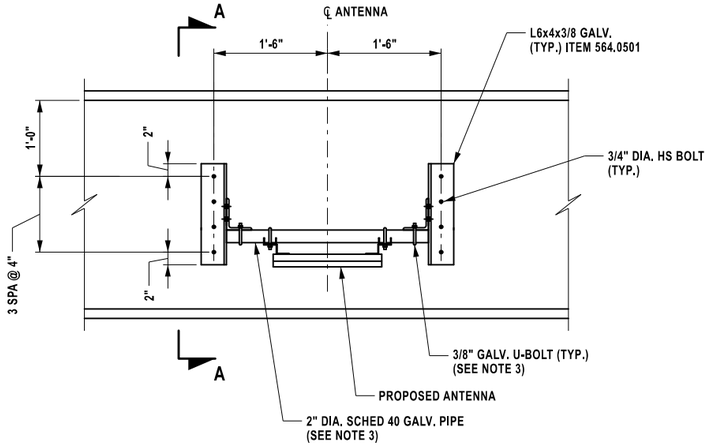
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: WRONG WAY SIGN DISPLAY REMOVAL & RELOCATION (SHEET 2 OF 2)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ITS-04

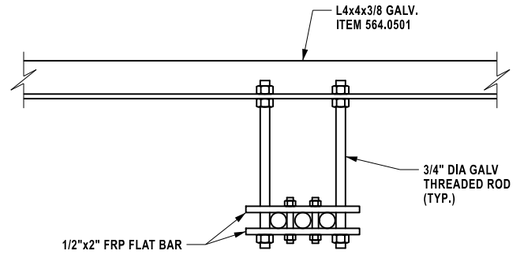
PW:/
CHECKED BY: TA
DRAFTED BY: TA
CHECKED BY: TA
DESIGNED BY: TA
DESIGN SUPERVISOR: D. LEVINE



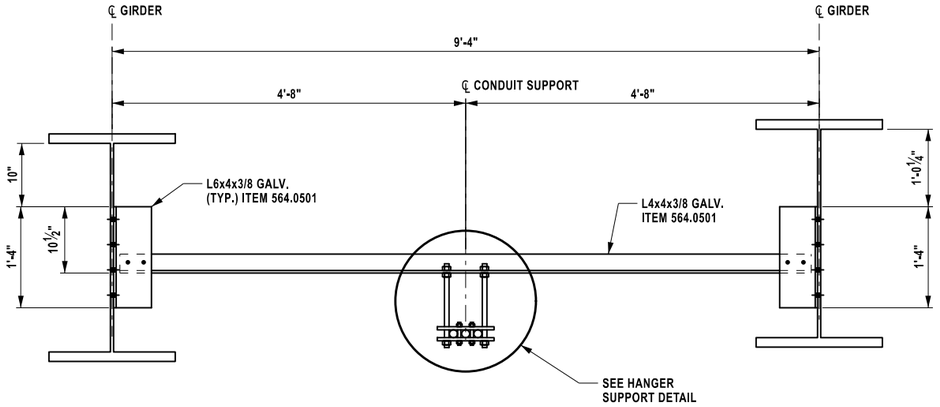
SECTION A



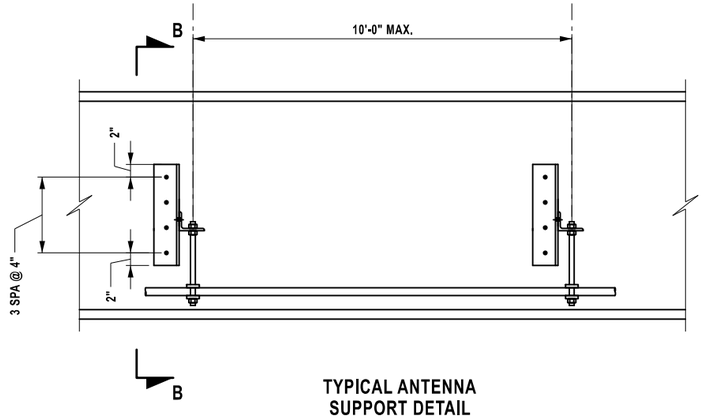
TYPICAL ANTENNA
SUPPORT DETAIL



HANGER SUPPORT DETAIL
(SEE NOTE 3)



SECTION B



TYPICAL ANTENNA
SUPPORT DETAIL

NOTES:

1. CONDUIT SUPPORT HANGERS SHALL BE FABRICATED BY CHAMPION FIBERGLASS OR AN APPROVED EQUAL.
2. CONTRACTOR SHALL COORDINATE THE LOCATION OF CONDUIT SUPPORTS AND ANTENNA LOCATIONS DURING THE PREPARATION OF STEEL SHOP DRAWINGS. FIELD DRILLING OR REAMING OF BOLT HOLES IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE EIC.
3. MISCELLANEOUS HARDWARE USED TO SUPPORT CONDUIT AND ANTENNAS SHALL BE INCLUDED IN THE UNITS COSTS FOR THE VARIOUS PAY ITEM NUMBERS USED FOR THE CONDUIT AND ANTENNAS.

M.P. 113.89, BIN 5513230

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: CONDUIT SUPPORT DETAILS	DRAWING NUMBER: ITS-05

PW:

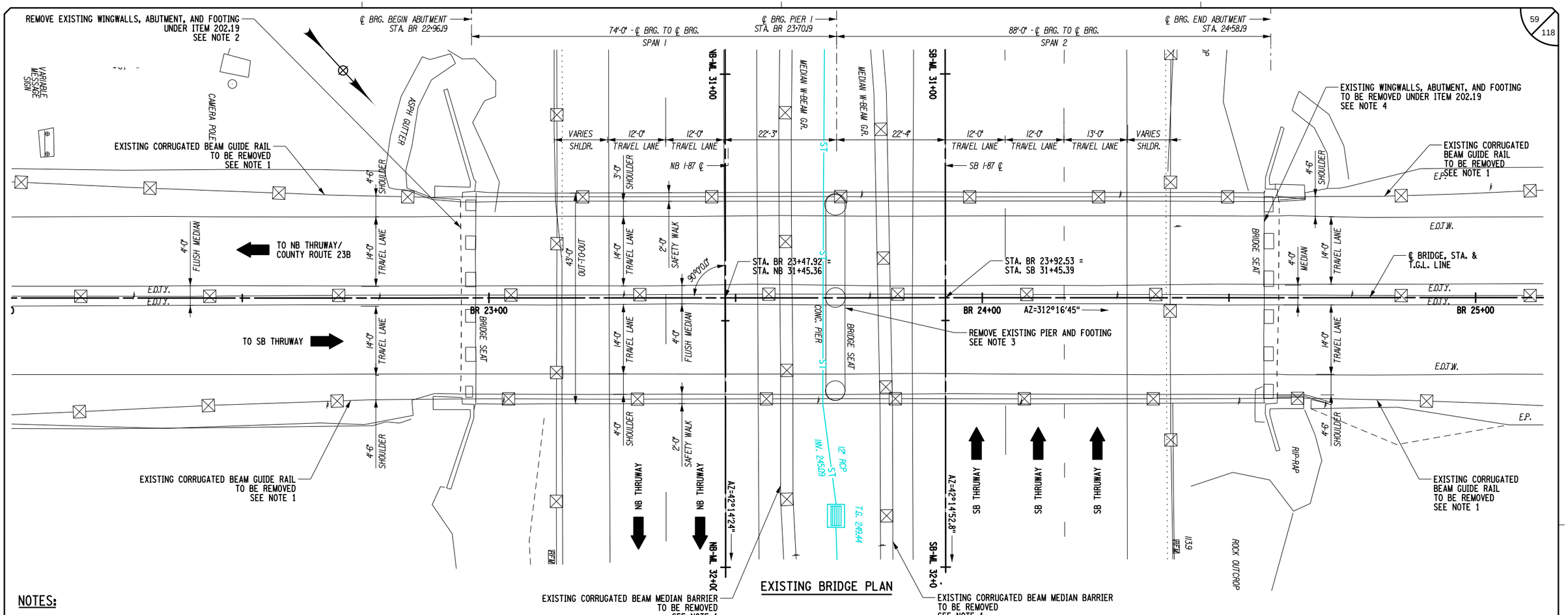
CHECKED BY: B. WARTHLING

DRAFTED BY: C. WAGNER

CHECKED BY: B. WARTHLING

DESIGNED BY: C. WAGNER

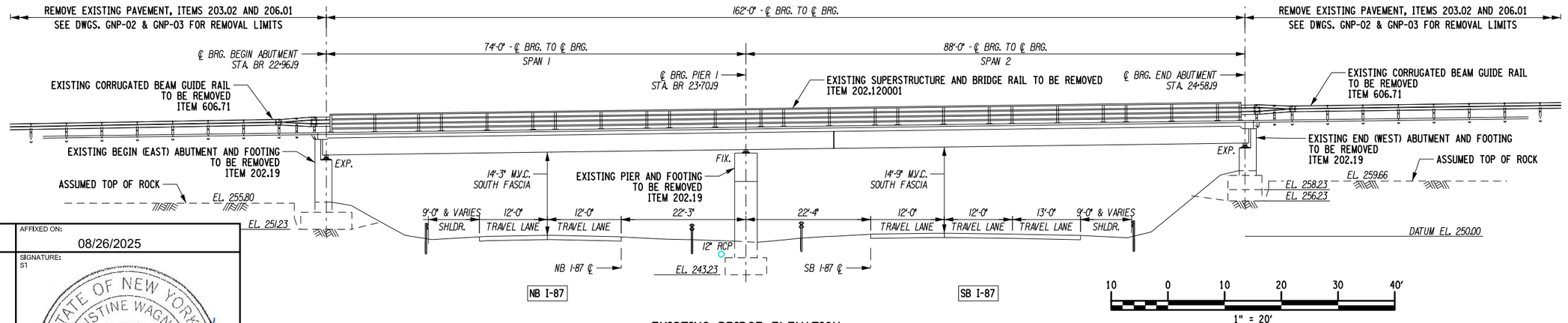
DESIGN SUPERVISOR: D. LIVERMORE



EXISTING BRIDGE PLAN

NOTES:

1. REFER TO DWGS. GR-01 THROUGH GR-03 AND MSC-01 FOR GUIDE RAIL AND MEDIAN BARRIER REMOVAL LIMITS AND ITEMS.
2. REFER TO DWGS. ST-10 THROUGH ST-12 FOR BEGIN ABUTMENT REMOVAL LIMITS AND DETAILS.
3. REFER TO DWGS. ST-13 AND ST-14 FOR PIER REMOVAL LIMITS AND DETAILS.
4. REFER TO DWGS. ST-15 THROUGH ST-17 FOR END ABUTMENT REMOVAL LIMITS AND DETAILS.
5. A VERTICAL DATUM CORRECTION OF -0.77 FT WAS APPLIED TO THE ORIGINAL CONSTRUCTION RECORD PLAN EXISTING SUSBTRUCTURE ELEVATIONS.



EXISTING BRIDGE ELEVATION

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: EXISTING PLAN AND ELEVATION	DRAWING NUMBER: ST-01

PW:
DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

TRANSITION BRIDGE RAIL ITEM 568.70
VARIABLE MESSAGE SIGN
CAMERA POLE
BOX BEAM GUIDE RAIL SEE NOTE 1
LIMIT OF SLOPE PROTECTION
ASH GUTTER
℄ BRG. BEGIN ABUTMENT STA. BR 22+96.19
74'-0" - ℄ BRG. TO ℄ BRG. SPAN 1
℄ BRG. PIER 1 STA. BR 23+70.19
88'-0" - ℄ BRG. TO ℄ BRG. SPAN 2
℄ BRG. END ABUTMENT STA. 24+58.19
VARIES SHLDR.
12'-0" TRAVEL LANE
13'-0" TRAVEL LANE
NB-ML 31+00
SB-ML 31+00
22'-3"
22'-4"
MEDIAN W-BEAM GR.
6'-0" SHOULDER
1'-6"
NB I-87 ℄
14'-0" TRAVEL LANE
9'-0" FLUSH MEDIAN
52'-0" OUT-TO-OUT
END APPROACH SLAB BEGIN BRIDGE STA. BR 22+93.48
STA. BR 23+47.92 = STA. NB 31+45.36
STA. BR 23+92.53 = STA. SB 31+45.39
TO NB THRUWAY/ COUNTY ROUTE 23B
END SLEEPER SLAB BEGIN APPROACH SLAB STA. BR 22+68.48
TO SB THRUWAY
BEGIN SLEEPER SLAB STA. BR 22+66.48
E.O.T.Y.
E.O.T.W.
BR 23+00
BR 24+00
AZ=312°16'45"
BR 25+00
PROPOSED PIER SEE NOTE 3
BOX BEAM MEDIAN BARRIER SEE NOTE 1
℄ BRIDGE, STA. & T.G.L. LINE
SINGLE SLOPE CONC. BARRIER ITEM 569.04
END BRIDGE BEGIN APPROACH SLAB STA. BR 24+60.90
END APPROACH SLAB BEGIN SLEEPER SLAB STA. BR 24+85.90
END SLEEPER SLAB STA. BR 24+87.90
PROPOSED BEGIN ABUTMENT SEE NOTE 2
NB THRUWAY
SB THRUWAY
AZ=42°14'24"
AZ=42°14'52.8"
12" RCP
TG. 249.44
EL. 245.09
CORRUGATED BEAM GUIDE RAIL SEE NOTE 1
CORRUGATED BEAM MEDIAN BARRIER SEE NOTE 1
PROPOSED END ABUTMENT SEE NOTE 4
ROCK OUTCROP
HP-TAP
E.P.

PROPOSED BRIDGE PLAN

NOTES:

1. REFER TO DWGS. GR-01 THROUGH GR-03 AND MSC-01 FOR PROPOSED GUIDE RAIL AND MEDIAN BARRIER LIMITS AND ITEMS.
2. REFER TO DWGS. ST-18 THROUGH ST-22 FOR BEGIN ABUTMENT DETAILS AND ITEMS.
3. REFER TO DWGS. ST-23 THROUGH ST-25 FOR PIER DETAILS AND ITEMS.
4. REFER TO DWGS. ST-20 THROUGH ST-22 AND ST-26 AND ST-27 FOR END ABUTMENT DETAILS AND ITEMS.

167'-5" - LIMITS OF SUPERSTRUCTURE SLAB WITH INTEGRAL WEARING SURFACE - 557.1112 TYPE 2 FRICTION
BEGIN BRIDGE STA. BR 22+93.48
END BRIDGE STA. BR 24+60.90
STEEL PLATE GIRDERS, METALIZED ITEM 564.0501 ITEM 572.00020125
PROTECTIVE SCREENING FOR BRIDGES ITEM 607.0612--25
BOX BEAM GUIDE RAIL ITEM 606.10 (TYP.)
SLEEPER SLAB TO BE PAID UNDER ITEM 557.1012 (TYP.)
12" STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE ITEM 557.1012 (TYP.)
ASSUMED TOP OF ROCK
EL. 255.80
EL. 251.23
EL. 256.25
3'-0" INSPECTION BERM (TYP.)
16'-11" M.V.C. SOUTH FASCIA
17'-6" M.V.C. SOUTH FASCIA
PROPOSED PIER SEE NOTE 3
PROPOSED EXP.
10'-0"
9'-0" & VARIES SHLDR.
12'-0" TRAVEL LANE
23'-0"
22'-0"
13'-0" TRAVEL LANE
FINISHED GROUND SURFACE (TYP.)
EL. 261.00
EL. 256.08
EL. 259.66
ASSUMED TOP OF ROCK
12" SELECT GRANULAR FILL OVER 9" BEDDING MATERIAL SEE DWGS. ST-05 & ST-06 FOR DETAILS (TYP.)
DATUM EL. 250.00
NB I-87
SB I-87

PROPOSED BRIDGE ELEVATION

10 0 10 20 30 40'
1" = 20'

M.P. 113.89, BIN 5513230

ALTERED ON:
AFFIXED ON: 08/26/2025
SIGNATURE:
STAMP:
SIGNATURE:
S1

STATE OF NEW YORK
CHRISTINE WAGNER
No. 094496
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.

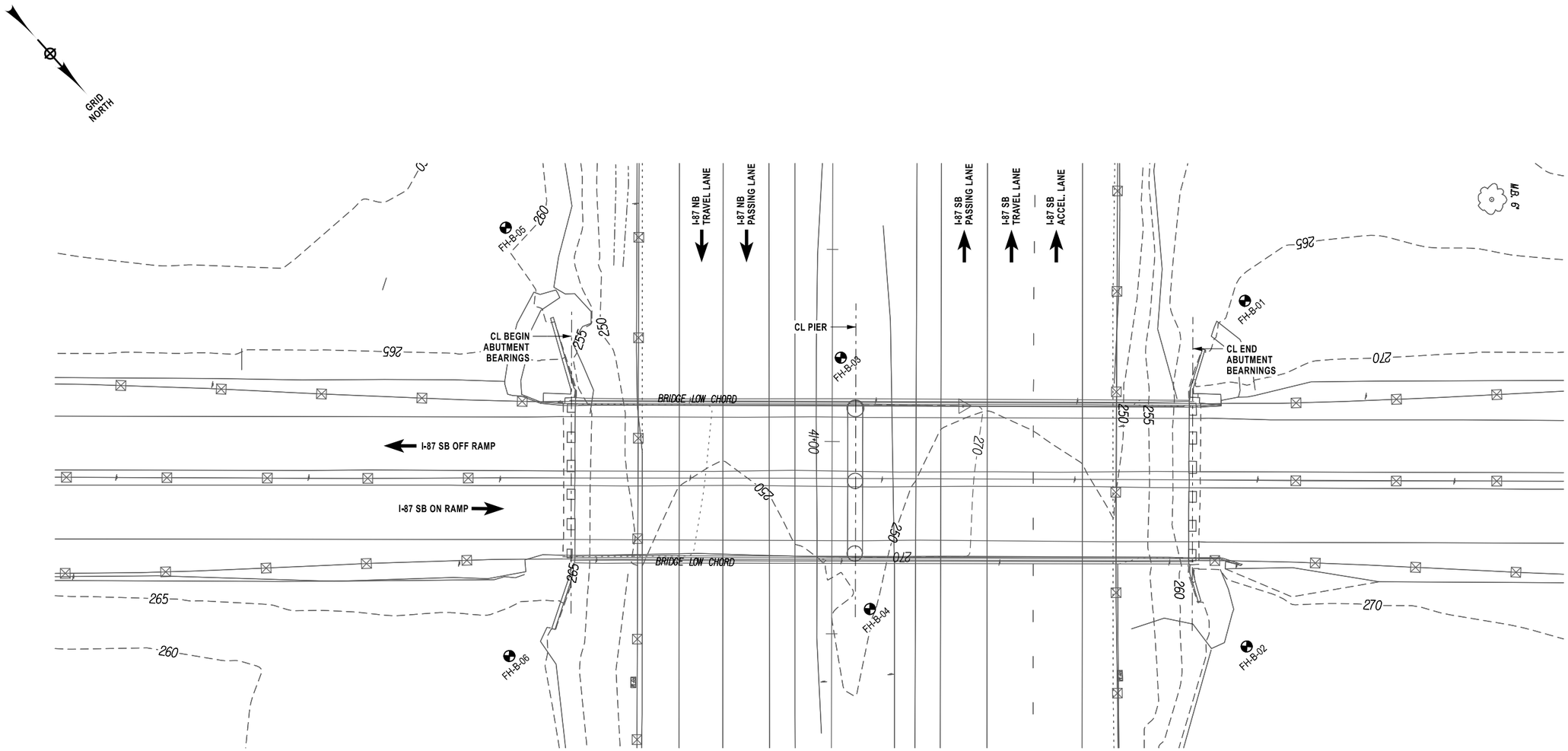
NEW YORK STATE Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: PROPOSED PLAN AND ELEVATION

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-02

PW:/

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



BORING LOCATION PLAN
SCALE: 1" = 30'-0"

BORING LEGEND:

BORING LOCATION

FH - B - ##
- BORING NUMBER
- BRIDGE
- HOLLOW FLIGHT AUGER

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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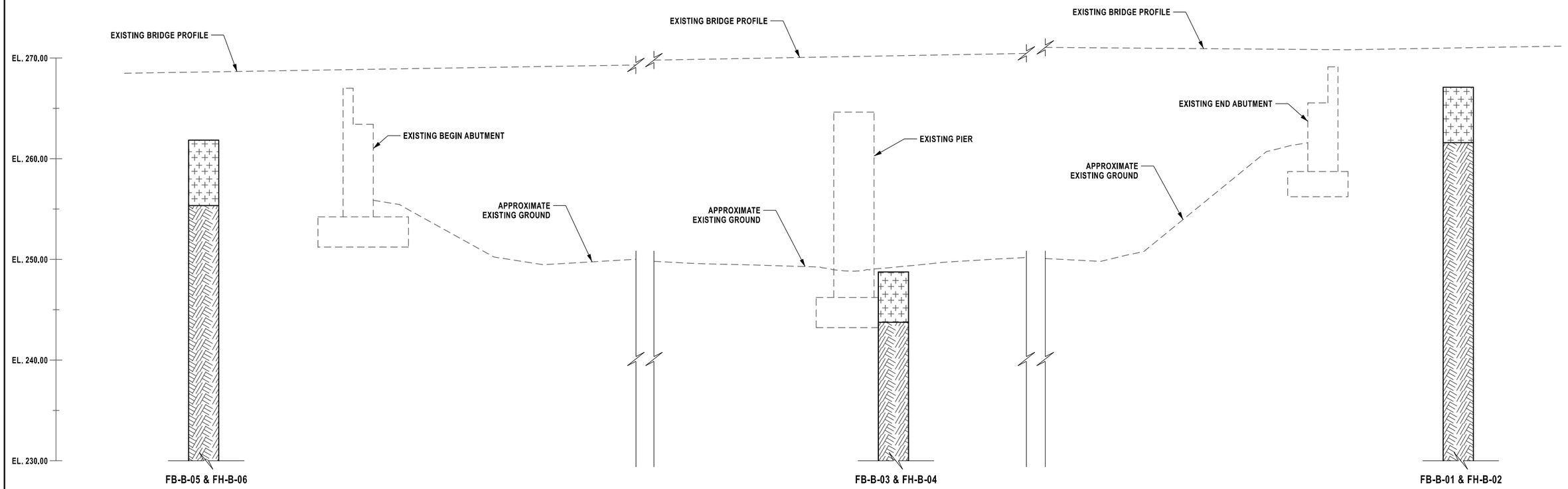
NEW YORK STATE | Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: SUBSURFACE PROFILE	DRAWING NUMBER: ST-03

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



EXISTING SUBSURFACE PROFILE
SCALE: 1"=10'-0"

LEGEND

EXISTING EMBANKMENT

BEDROCK

NOTE: BORING ELEVATIONS SHOWN ARE THE AVERAGE OF 2 REPRESENTATIVE BORINGS FOR EACH SUBSTRUCTURE.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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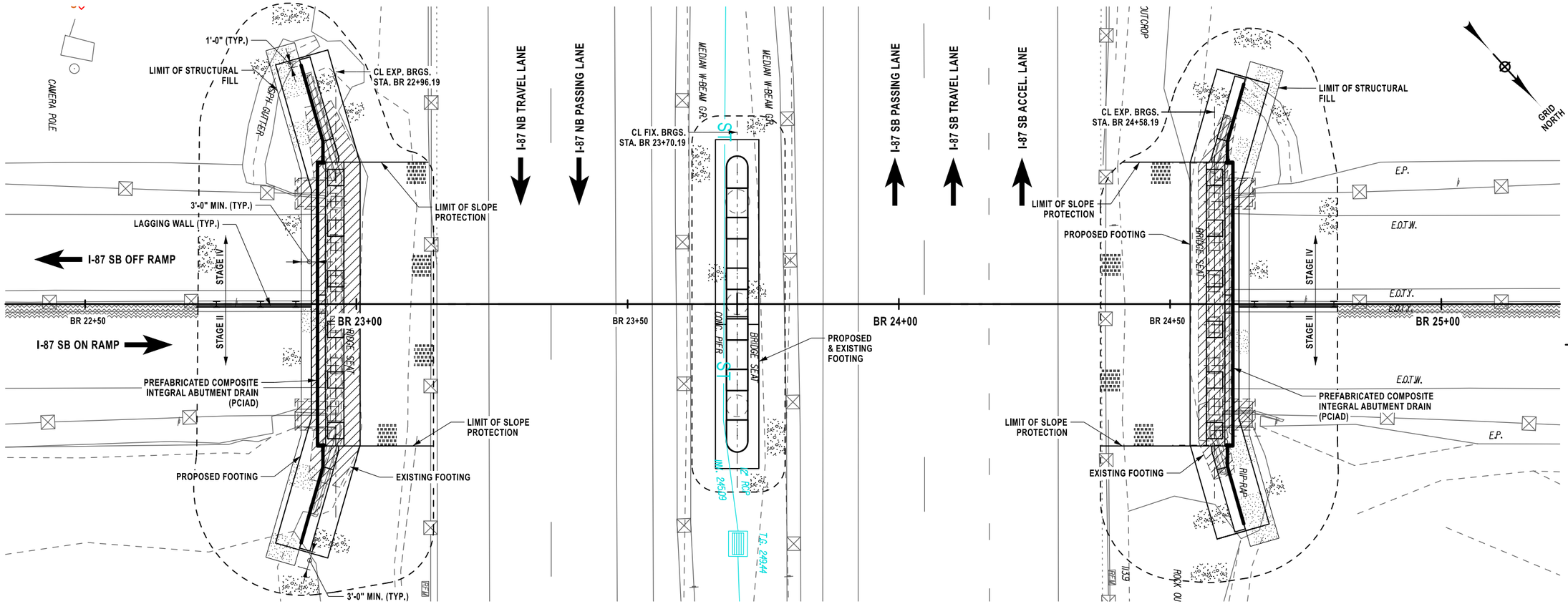
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: SUBSURFACE PROFILE	DRAWING NUMBER: ST-04

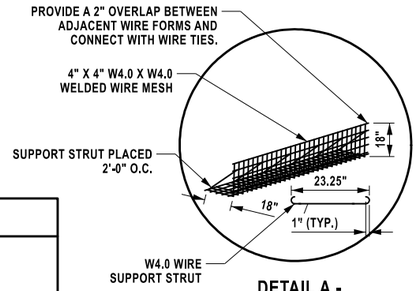


EXCAVATION AND EMBANKMENT PLAN

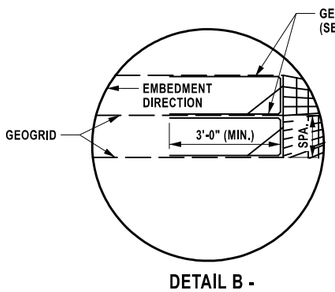
1" = 20'-0"

10 0 10 20 30 40'

1" = 20'



DETAIL A - 18" WELDED WIRE FORM N.T.S.



DETAIL B - WELDED WIRE FORM VERTICAL TYPICAL SECTION N.T.S.

THE FOLLOWING INFORMATION WAS USED IN THE DESIGN OF THE GEOSYNTHETICALLY REINFORCED SOIL SYSTEM (GRSS) WALL.

ITEM NUMBER	MAXIMUM DESIGN HEIGHT (FT)	LONG TERM DESIGN TENSILE STRENGTH, T (LB/FT)	MINIMUM REINFORCEMENT LENGTH (FT)	VERTICAL SPACING (IN)	GRSS WALL 1 LIMITS (SEE NOTE 2)	GRSS WALL 1 LIMITS (SEE NOTE 2)
554.3001	3.0	600.0	6.0	18	STA BR 21+50 STA BR 22+70	STA BR 24+80 STA BR 25+50

THE SPECIFICATIONS AND STANDARD SHEETS FOR ITEM 554 ARE TO BE CONSULTED FOR ALL REQUIRRMENTS AND APPLICABLE STANDARD INSTALLATION DETAILS FOR THESE STRUCTURES.

GRSS WALL NOTES

1. GRSS WALL SHALL BE BACKFILLED WITH MATERIAL MEETING THE REQUIREMENTS OF 733-14, SELECT STRUCTURAL FILL, AND GEOTEXTILE FACE WRAP - 737, GEOTEXTILE SEPARATION STRENGTH CLASS 2.
2. GRSS WALL LIMITS SHOWN ARE APPROXIMATE AND THE CONTRACTOR MAY MODIFY TO SUIT THEIR MEANS AND METHODS WITH THE APPROVAL OF THE ENGINEER. THE CONTRACTOR MAY ELECT TO LAY BACK SLOPE OR USE ALTERNATIVE MEANS WITH THE APPROVAL OF THE ENGINEER.

LEGEND

- EMBANKMENT IN PLACE (ITEM 203.03)
- SELECT STRUCTURAL FILL (ITEM 203.21)
- SELECT GRANULAR FILL, SLOPE PROTECTION - TYPE A (ITEM 203.0801)
- BEDDING MATERIAL (ITEM 620.0801)
- REMOVAL OF SUBSTRUCTURE (ITEM 202.19)
- GEO SYNTHETICALLY REINFORCED SOIL SYSTEM SLOPE (G.R.S.S.) (ITEM 554.3001)
- PAYMENT LINE FOR STRUCTURE EXCAVATION (ITEM 206.01)
- PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
- SOLIDER PILE AND LAGGING WALL SEE DWG. NO. ST-07 TO ST-09 FOR DETAILS

M.P. 113.89, BIN 5513230

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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REVISIONS

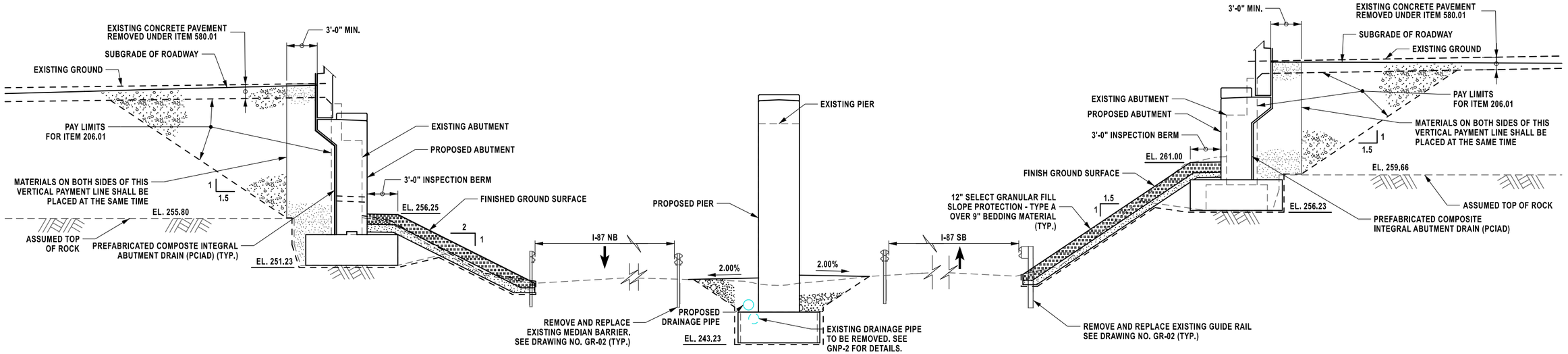
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: EXCAVATION PLANS & SECTIONS (SHEET 1 OF 2)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-05



SECTION A-A

NOTES:

1. EXCAVATION OF ROCK IS REQUIRED FOR CONSTRUCTION OF THE PROPOSED PIER AND END ABUTMENT. THE EXISTING ROCK CONSISTS OF HARD, FRACTURED LIMESTONE WITH NATURAL JOINTS SPACED BETWEEN 4" TO 12". ROCK EXCAVATION IS PAID FOR UNDER ITEM 206.01. THE TOTAL QUANTITY OF ROCK EXCAVATION IS ESTIMATED TO BE 106CY BUT MAY VARY DEPENDING ON EXISTING LIMITS OF ROCK REMOVAL PERFORMED AS PART OF THE ORIGINAL BRIDGE CONSTRUCTION. EXPLOSIVE MEANS OF ROCK EXCAVATION IS NOT PERMITTED.
2. SEE ST-05 FOR LEGEND.

M.P. 113.89, BIN 5513230

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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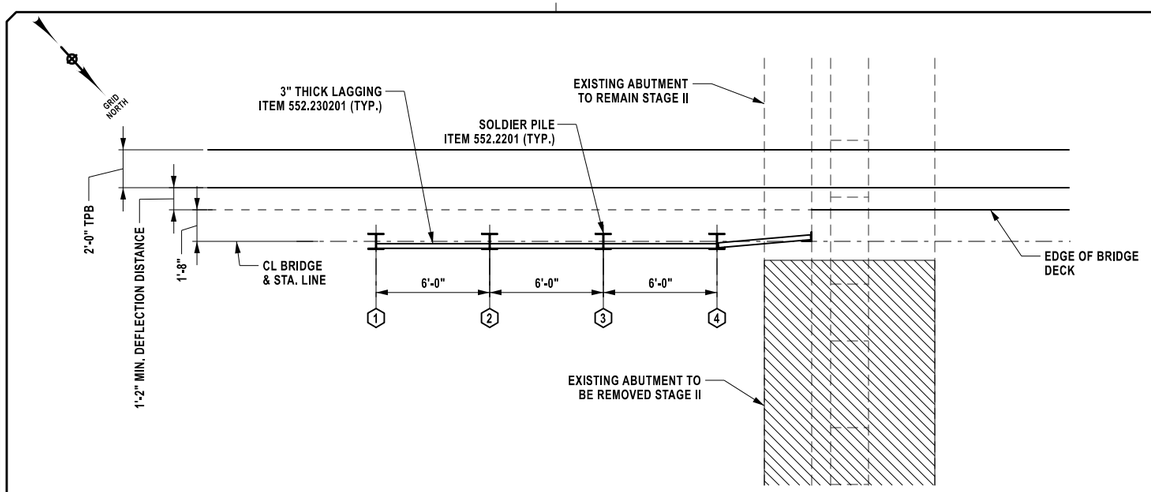
REVISIONS

DATE	DESCRIPTION	BY	SYM.

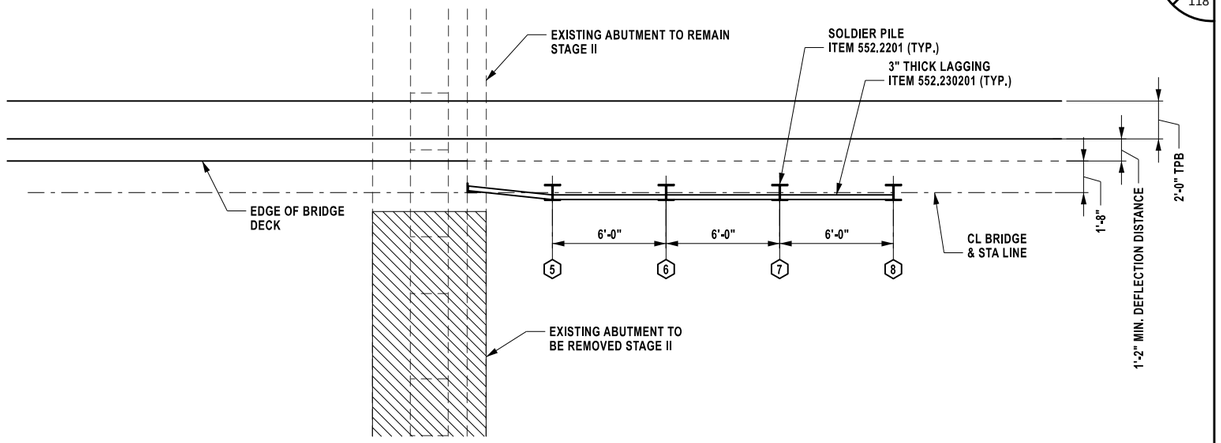
NEW YORK STATE Thruway Authority

PARSONS

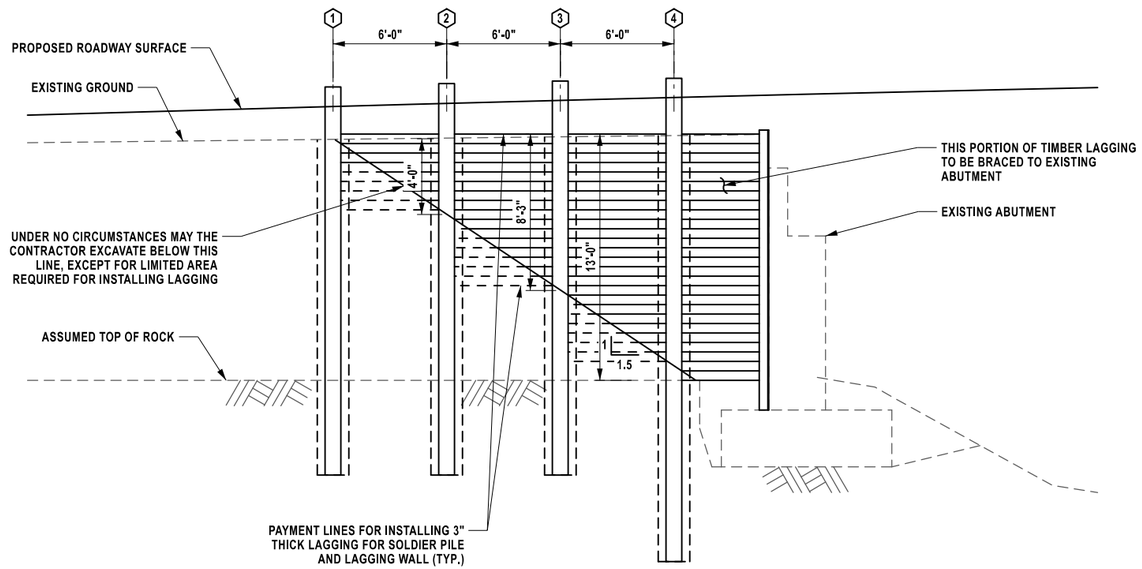
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: EXCAVATION PLANS & SECTIONS (SHEET 2 OF 2)	DRAWING NUMBER: ST-06



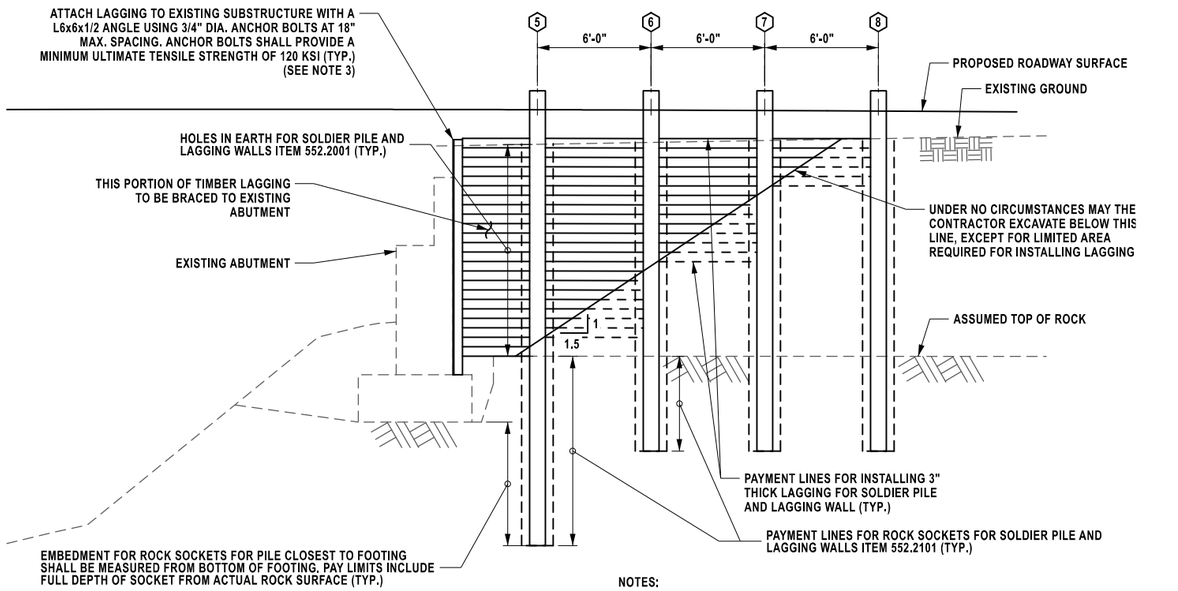
STAGE II - BEGIN ABUTMENT PLAN
SOLDIER PILE AND LAGGING WALL



STAGE II - END ABUTMENT PLAN
SOLDIER PILE AND LAGGING WALL



STAGE II - BEGIN ABUTMENT ELEVATION
SOLDIER PILE AND LAGGING WALL



STAGE II - END ABUTMENT ELEVATION
SOLDIER PILE AND LAGGING WALL

PILE NUMBER	STATION BR	OFFSET (IN FEET)	PILE TOP ELEVATIONS (IN FEET)	DEPTH OF EXCAVATION (IN FEET) (SEE NOTE 4)	REQUIRED PILE TIP ELEV. (IN FEET)	REQUIRED PILE LENGTH (IN FEET)	ASSUMED ROCK ELEVATION (IN FEET)	MINIMUM ROCK SOCKET (IN FEET)	MINIMUM PILE SECTION MODULUS (IN INCHES^3)	RECOMMENDED SOLDIER PILE SECTION	MINIMUM DIA. OF HOLE (IN INCHES)	AS-BUILT PILE LENGTH (IN FEET)
1	22+71.19	0	271.25	0.00	250.80	20.45	255.80	5.00	112	HP12X89	30	
2	22+77.19	0	271.50	4.00	250.80	20.70	255.80	5.00	112	HP12X89	30	
3	21+83.19	0	271.67	8.25	250.80	20.87	255.80	5.00	112	HP12X89	30	
4	21+89.19	0	271.75	13.00	246.00	20.95	255.80	5.00	112	HP12X89	30	
5	24+64.69	0	273.75	11.25	249.70	24.05	259.70	5.00	112	HP12X89	30	
6	24+70.69	0	273.75	6.75	254.70	19.05	259.70	5.00	112	HP12X89	30	
7	24+76.69	0	273.75	3.00	254.70	19.05	259.70	5.00	112	HP12X89	30	
8	24+82.69	0	273.75	0.00	254.70	19.05	259.70	5.00	112	HP12X89	30	

NOTES:

1. TEMPORARY SLEEVES OR CASINGS MAY BE REQUIRED FOR ITEM 552.2001 HOLES IN EARTH FOR SOLDIER PILE AND LAGGING WALLS AND ITEM 552.2101 ROCK SOCKETS FOR SOLDIER PILE AND LAGGING WALLS. NO EXTRA PAYMENT WILL BE MADE FOR THE CASING.
2. WHEN NO LONGER NECESSARY FOR EXCAVATION SUPPORT, REMOVE LAGGING TO THE SUBGRADE SURFACE AND CUT OFF AND REMOVE SOLDIER PILES TO THE SUBGRADE SURFACE.
3. CONTRACTOR SHALL PROVIDE A DRILLED AND GROUTED OR MECHANICAL ANCHORING SYSTEM TO RESIST A SHEAR FORCE OF 20 KIPS AND PULLOUT FORCE OF 10 KIPS.
4. PLEASE NOTE THAT THE DEPTH OF EXCAVATION IS MEASURED RELATIVE TO THE EXISTING GROUND SURFACE, AND THAT AS PART OF THE STAGE CONSTRUCTION WILL INCREASE THE RETAINED FILL BY THE DEPTH OF THE PROPOSED CHANGE IN VERTICAL PROFILE.
5. CONTRACTOR SHALL FILL IN THE AS-BUILT PILE LENGTH AFTER PILE INSTALLATION.
6. PROVIDE SOLDIER PILE SECTIONS MEETING THE REQUIREMENTS OF ASTM A572 GRADE 50 STEEL.

M.P. 113.89, BIN 5513230

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

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

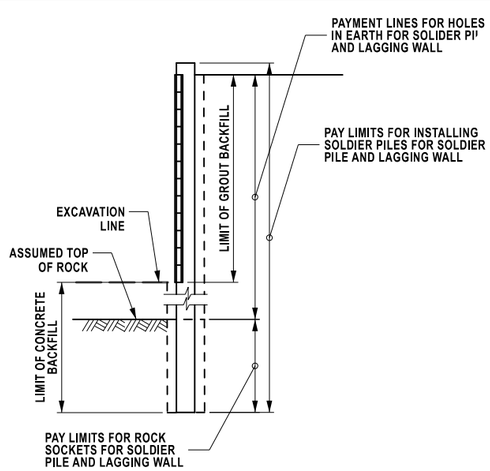
LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
TEMPORARY
SOLDIER PILE AND LAGGING
STAGE II

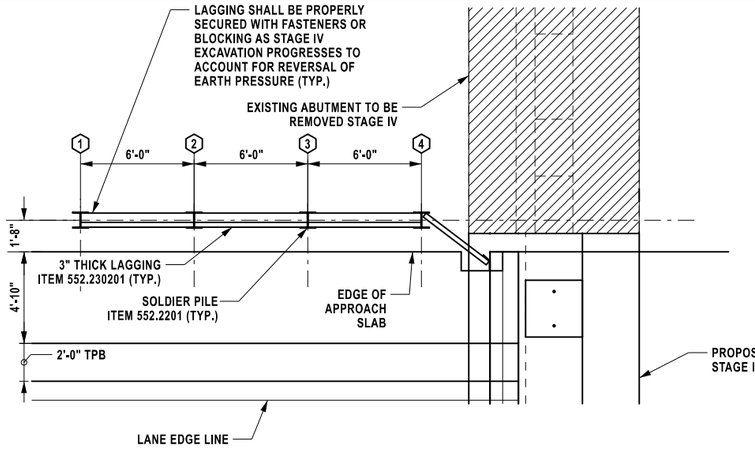
CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

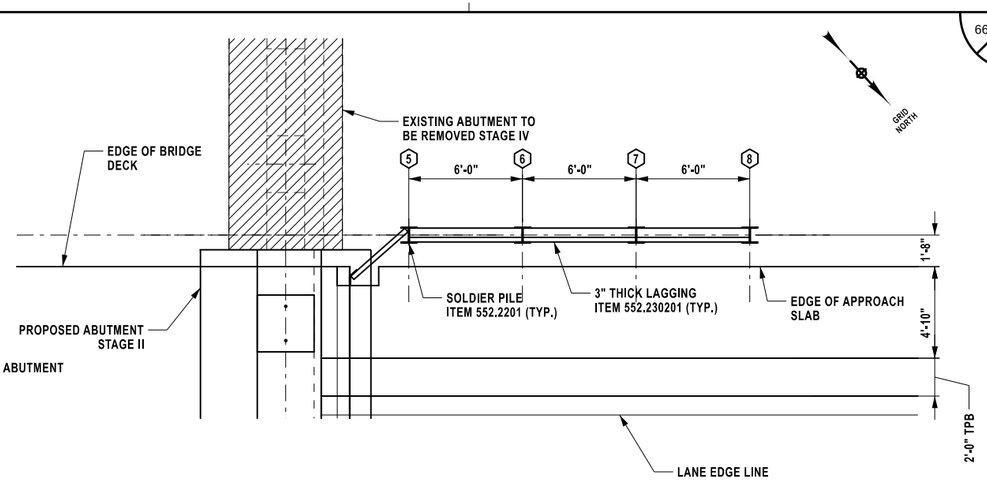
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ST-07



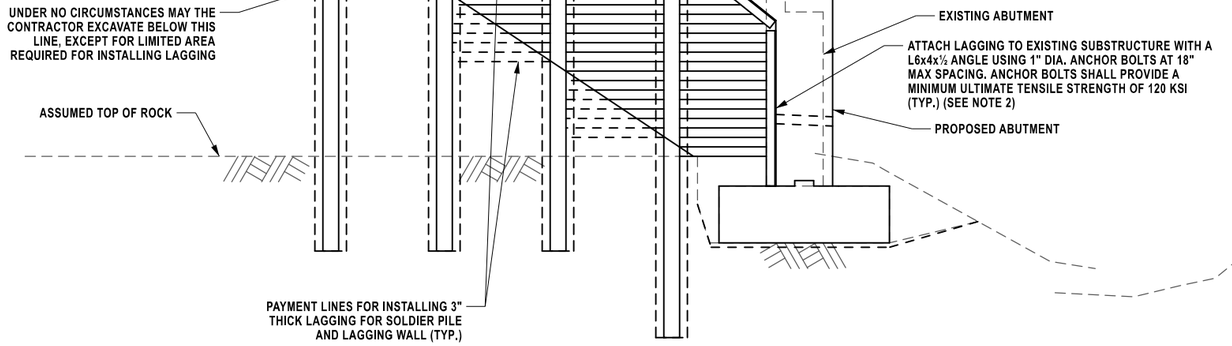
TYPICAL SOLDIER PILE SECTION



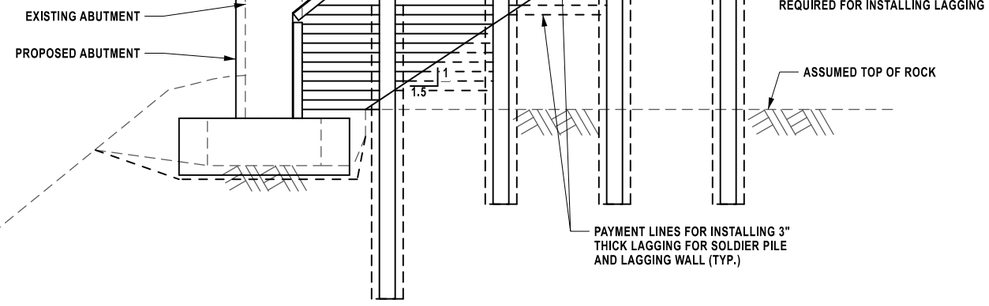
STAGE IV - BEGIN ABUTMENT PLAN SOLDIER PILE AND LAGGING WALL



STAGE IV - END ABUTMENT PLAN SOLDIER PILE AND LAGGING WALL



STAGE IV - BEGIN ABUTMENT ELEVATION SOLDIER PILE AND LAGGING WALL



STAGE IV - END ABUTMENT ELEVATION SOLDIER PILE AND LAGGING WALL

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-07.
2. CONTRACTOR SHALL PROVIDE A DRILLED AND GROUTED OR MECHANICAL ANCHORING SYSTEM TO RESIST A SHEAR FORCE OF 20 KIPS AND PULLOUT FORCE OF 10KIPS.

M.P. 113.89, BIN 5513230

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK · DANIEL A LEVINE · 097330 · 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.

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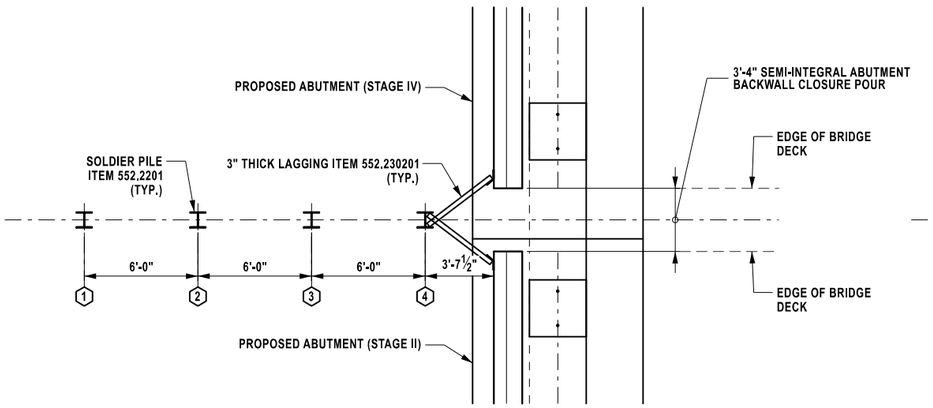
PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: TEMPORARY SOLDIER PILE AND LAGGING STAGE IV	DRAWING NUMBER: ST-08

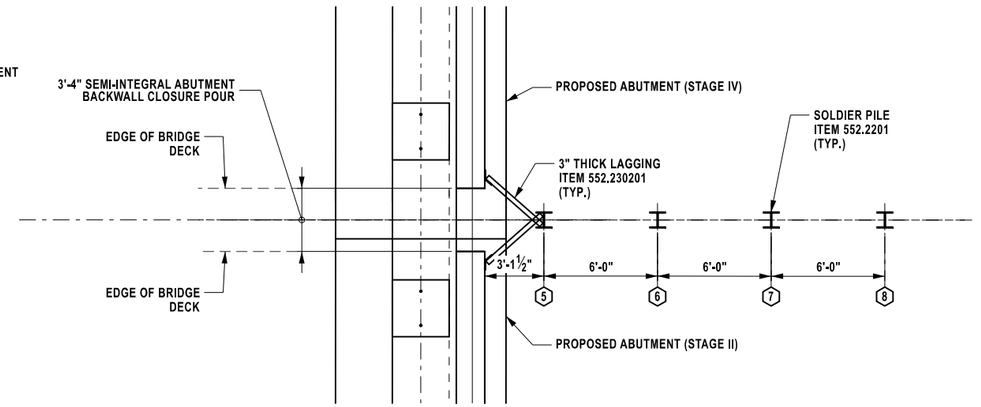
PW:/

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

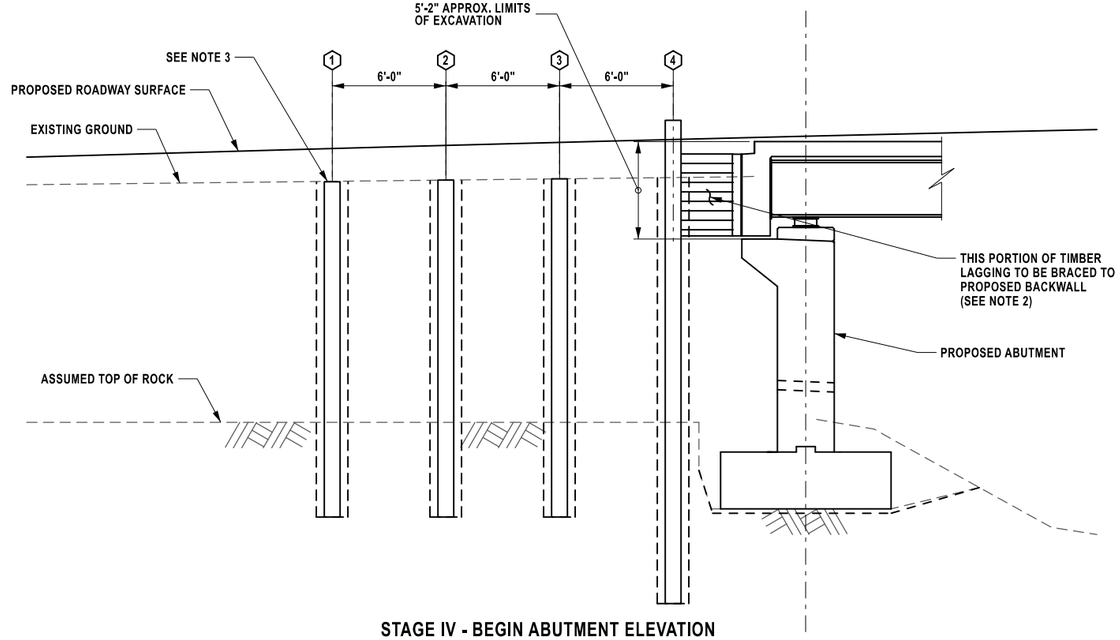
GRID NORTH



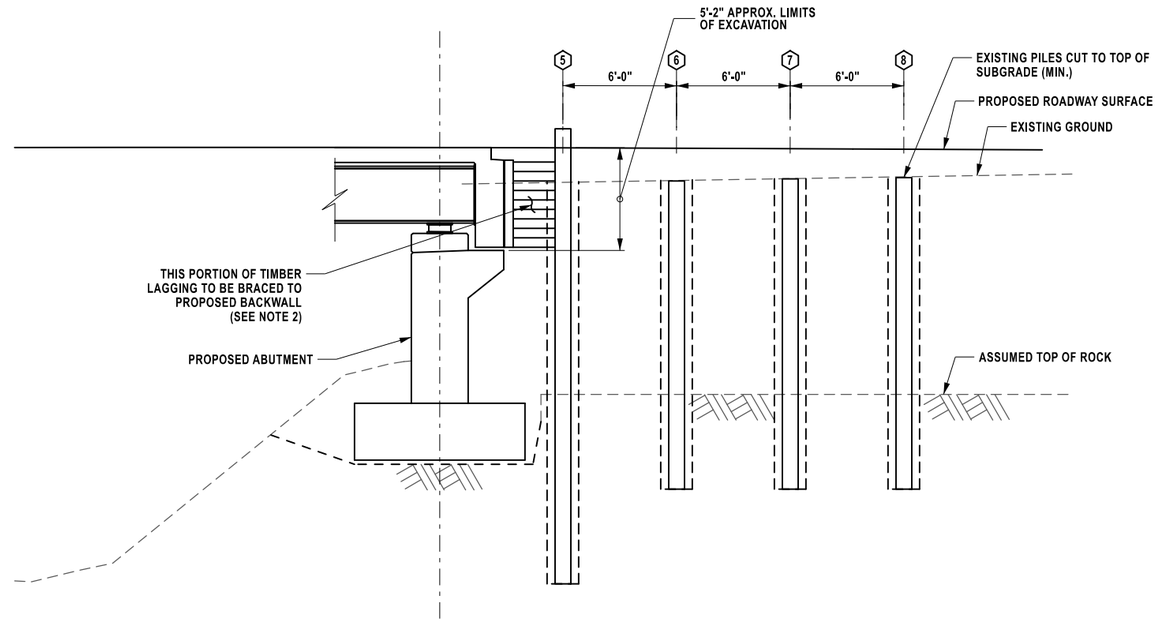
STAGE IV - BEGIN ABUTMENT PLAN CLOSURE POUR



STAGE IV - END ABUTMENT PLAN CLOSURE POUR



STAGE IV - BEGIN ABUTMENT ELEVATION CLOSURE POUR



STAGE IV - END ABUTMENT ELEVATION CLOSURE POUR

NOTES:

1. **FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-07**
2. **AS AN ALTERNATIVE TO UTILIZING TIMBER LAGGING BRACED TO THE ABUTMENT BACKWALL, THE CONTRACTOR MAY ELECT TO USE TRANCH SHORING METHODS OR OTHER MEANS, WITH THE APPROVAL OF THE ENGINEER.**
3. **REMOVE LAGGING TO A MINIMUM OF 2'-0" BELOW SUBGRADE SURFACE OR 4'-0" BELOW FINAL GROUND SURFACE. CUT OFF AND REMOVE SOLDIER PILES TO A MINIMUM OF 2'-0" BELOW SUBGRADE SURFACE OR 2'-0" BELOW FINAL GROUND SURFACE.**

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

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PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: TEMPORARY SOLDIER PILE AND LAGGING STAGE IVC	DRAWING NUMBER: ST-09

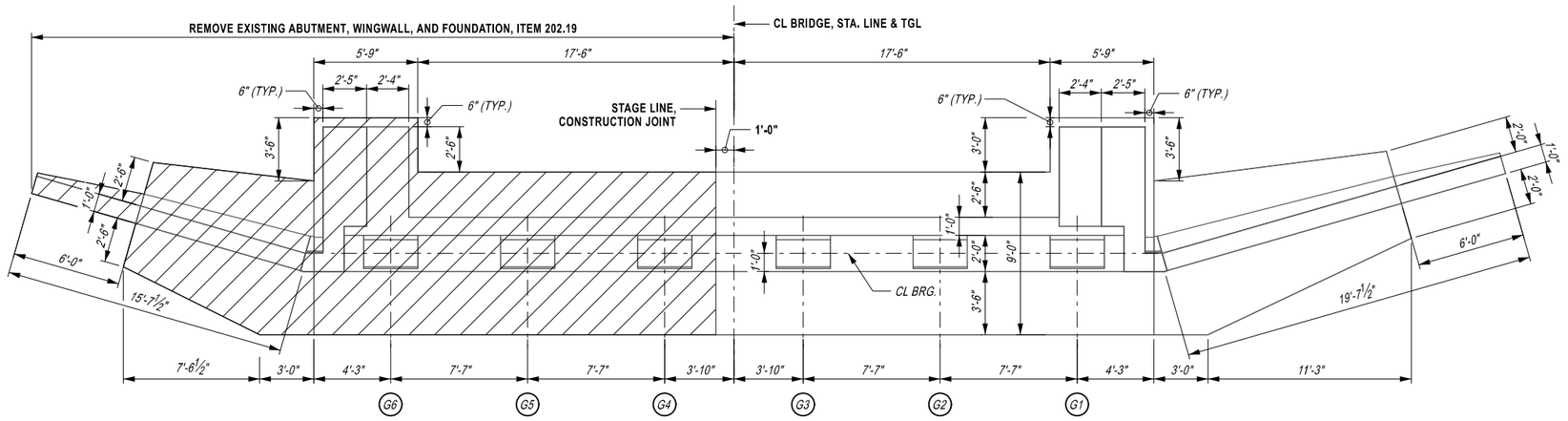
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DESIGNED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE

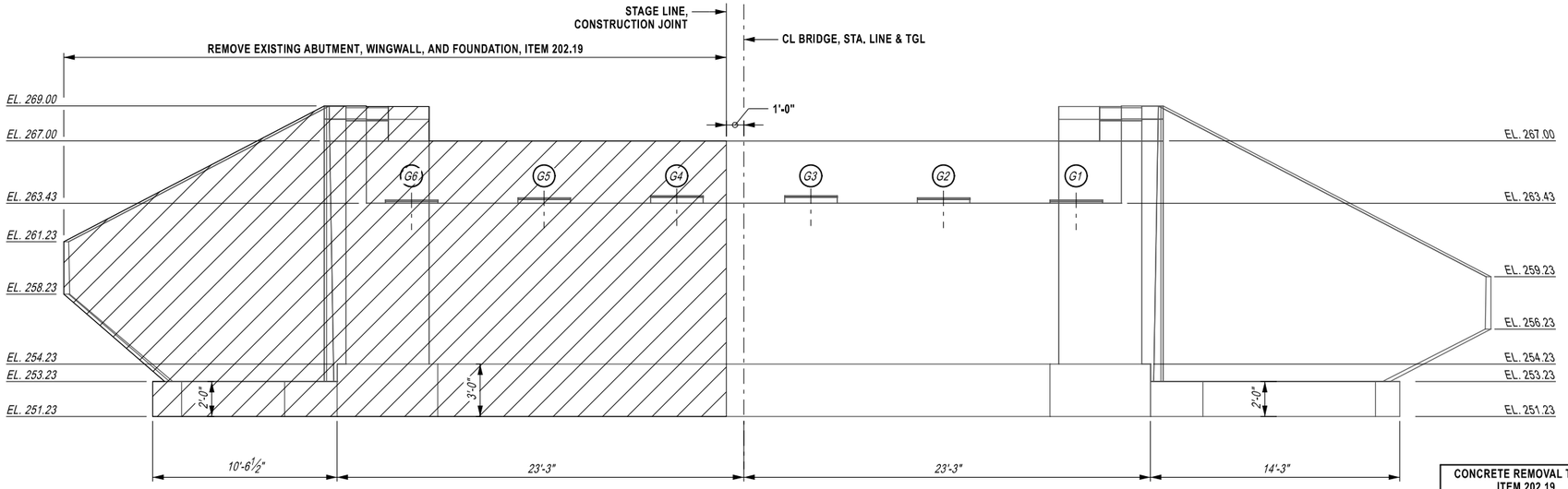
DRAFTED BY: J.P. O'LOUGHLIN CHECKED BY: D. LEVINE

DESIGN SUPERVISOR: D. LEVINE

GRID NORTH



STAGE II BEGIN ABUTMENT PLAN
SCALE: ⅛" = 1'-0"



LEGEND:

- (G#) INDICATES GIRDER NUMBER
- REMOVAL OF SUBSTRUCTURES, ITEM 202.19

CONCRETE REMOVAL TABLE ITEM 202.19	
STAGE	QUANTITY (CY)
STAGE II	85

TOP OF EXISTING PEDESTAL ELEVATIONS	
PEDESTAL	ELEVATION
G1, G6	263.62
G2, G5	263.74
G3, G4	263.86

STAGE II BEGIN ABUTMENT ELEVATION
SCALE: ⅛" = 1'-0"

NOTES:

1. THE ELEVATIONS SHOWN ARE REFERENCED TO THIS PROJECT DATUM (NAVD 88). THE ORIGINAL 1952 RECORD PLANS ARE ASSUMED TO REFERENCE THE NATIONAL GEODECTIC VERTICAL DATUM OF 1929 (NGVD 29). THE CONVERSION BETWEEN THIS PROJECT DATUM (NAVD 88) AND THE ORIGINAL DATUM (NGVD 29) IS AS FOLLOWS:

   NAVD 88 ELEVATION: NGVD 29 ELEVATION - 0.77 FT

SEQUENCE OF CONSTRUCTION:

1. STAGE IIA: REMOVE EAST PORTION OF EXISITNG BEGIN ABUTMENT.
2. STAGE IIB: CONSTRUCT EAST PORTION OF PROPOSED BEGIN ABUTMENT.

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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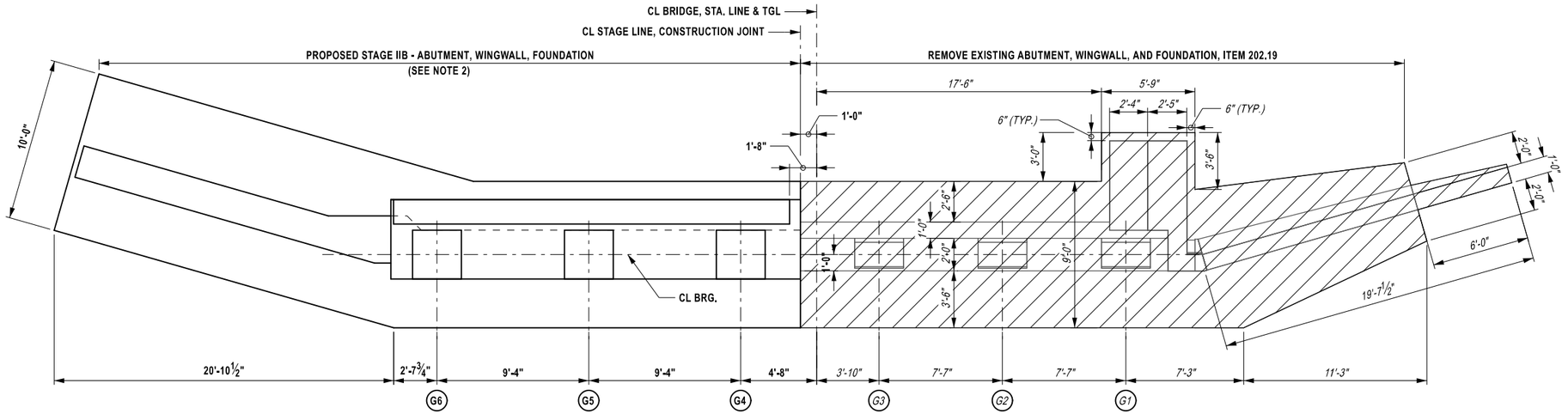
PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: BEGIN ABUTMENT STAGING (SHEET 1 OF 3)

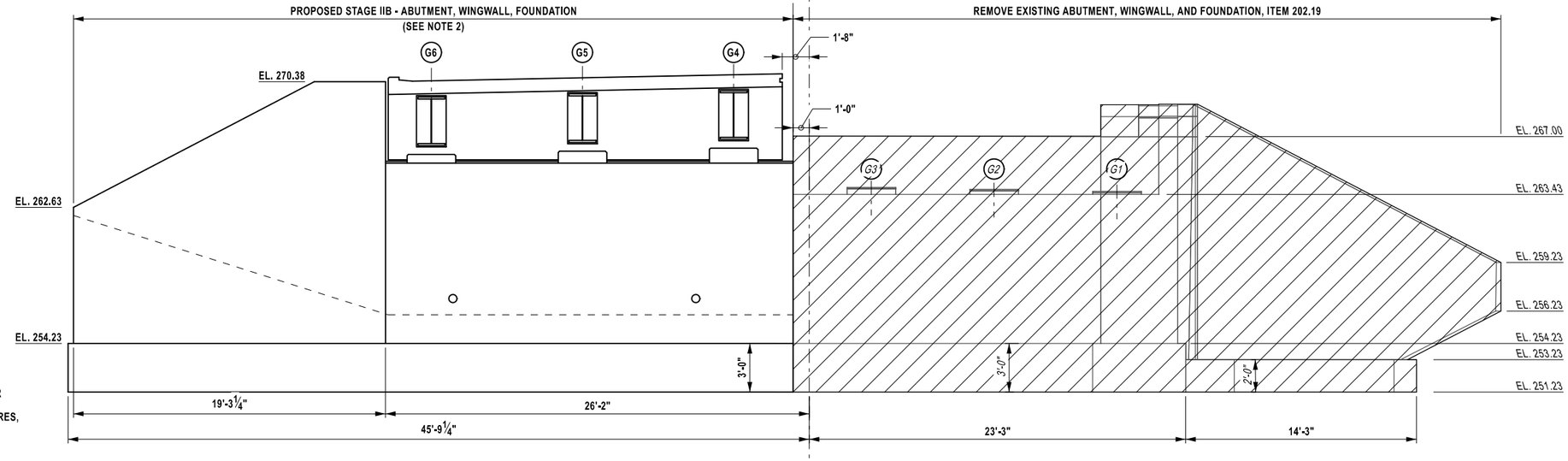
CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-10

PW:

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



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



LEGEND:

(G#) INDICATES GIRDER NUMBER

REMOVAL OF SUBSTRUCTURES, ITEM 202.19

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

CONCRETE REMOVAL TABLE ITEM 202.19	
STAGE	QUANTITY (CY)
STAGE IV	95

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.
2. FOR DETAILS OF PROPOSED BEGIN ABUTMENT INCLUDING DIMENSIONS, SEE DRAWING NO. ST-18.

SEQUENCE OF CONSTRUCTION:

1. STAGE IVA: REMOVE WEST PORTION OF EXISITNG BEGIN ABUTMENT.
2. STAGE IVB: CONSTRUCT WEST PORTION OF PROPOSED BEGIN ABUTMENT.

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

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PARSONS

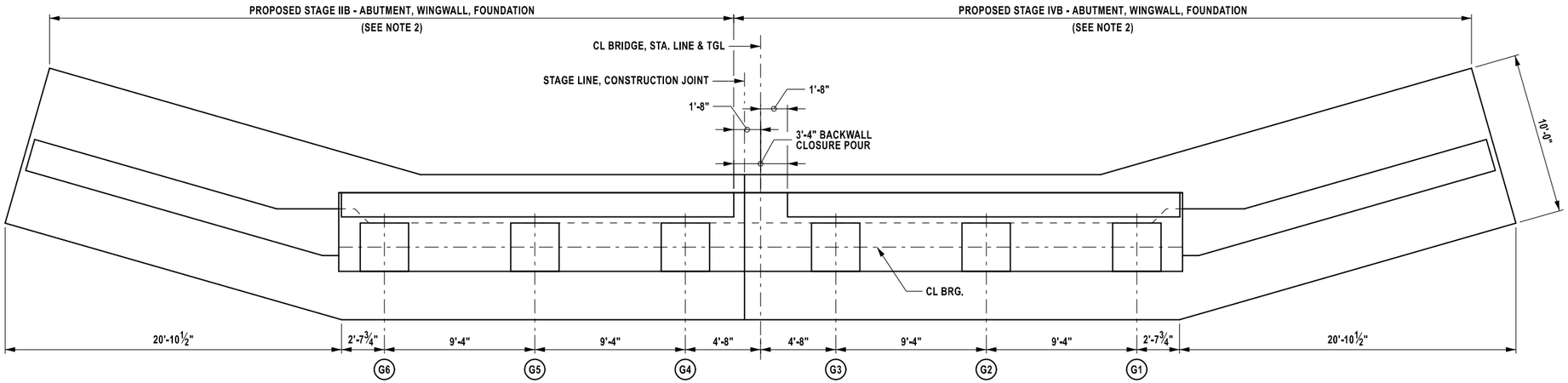
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: BEGIN ABUTMENT STAGING (SHEET 2 OF 3)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-11

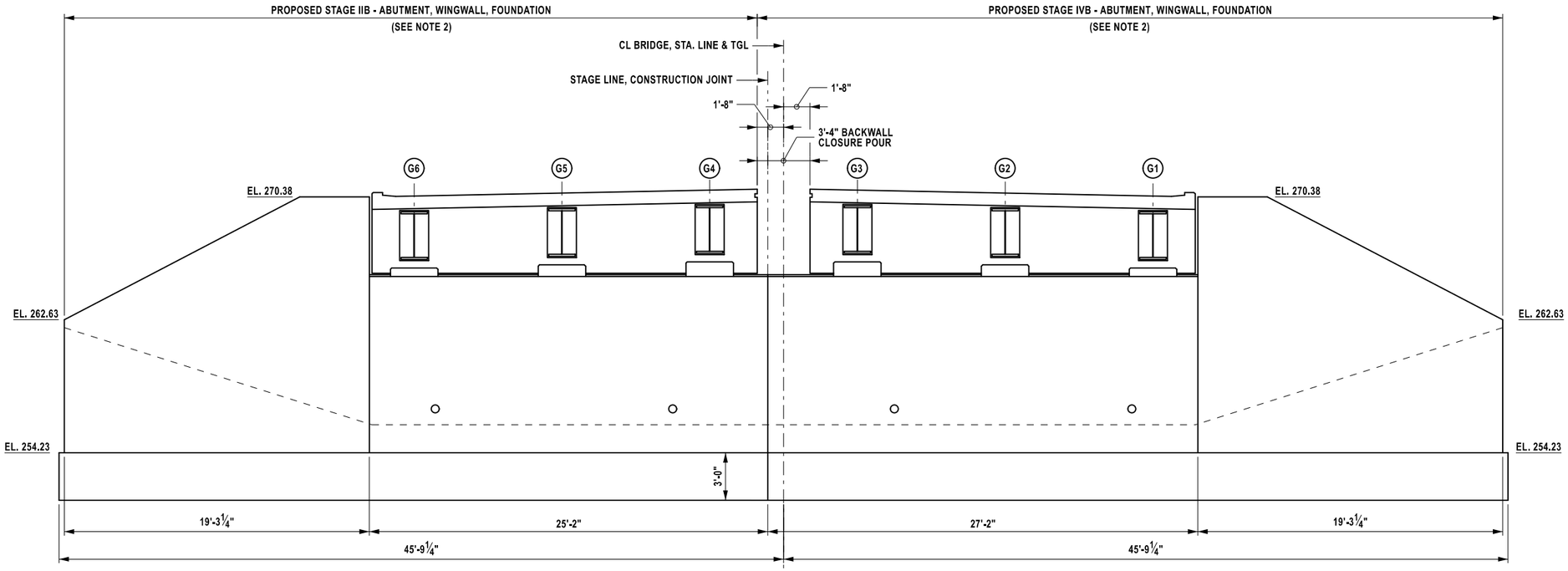
PW:

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

GRID NORTH



STAGE IVC BEGIN ABUTMENT PLAN
SCALE: ⅛" = 1'-0"



LEGEND:

(G#) INDICATES GIRDER NUMBER

STAGE IVC BEGIN ABUTMENT ELEVATION
SCALE: ⅛" = 1'-0"

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.
2. FOR DETAILS OF PROPOSED BEGIN ABUTMENT INCLUDING DIMENSIONS, SEE DRAWING NO. ST-18.

SEQUENCE OF CONSTRUCTION:

1. STAGE IVC: CONSTRUCT BACKWALL CLOSURE POUR.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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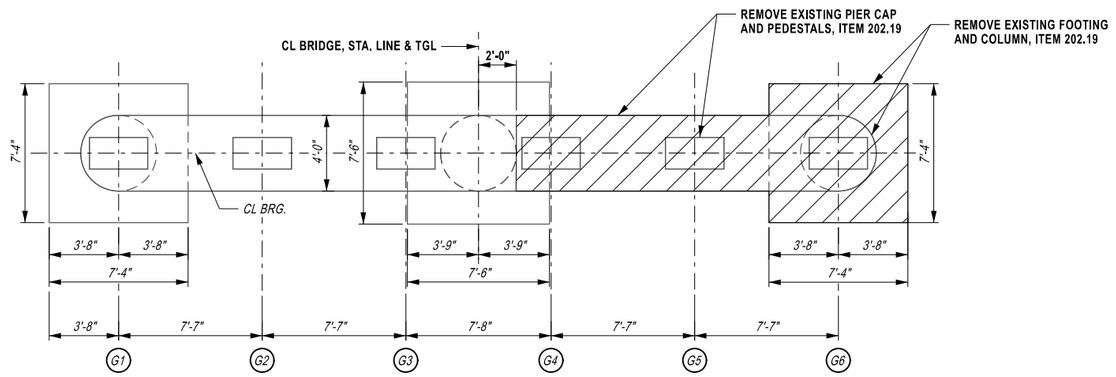
PARSONS

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	BEGIN ABUTMENT STAGING (SHEET 3 OF 3)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	ST-12

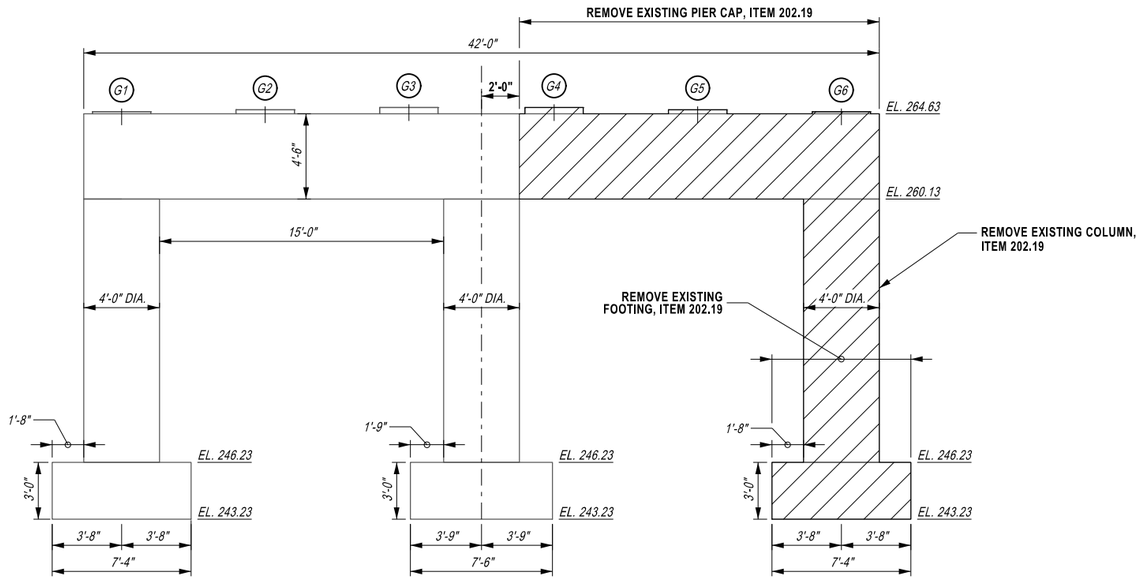
PW:/

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

GRID NORTH



STAGE II PIER PLAN
SCALE: ⅛" = 1'-0"



STAGE II PIER ELEVATION
SCALE: ⅛" = 1'-0"

LEGEND:

- (G#) INDICATES GIRDER NUMBER
- REMOVAL OF SUBSTRUCTURES, ITEM 202.19

CONCRETE REMOVAL TABLE ITEM 202.19	
STAGE	QUANTITY (CY)
STAGE II	27

TOP OF EXISTING PEDESTAL ELEVATIONS	
PEDESTAL	ELEVATION
G1, G6	264.74
G2, G5	264.85
G3, G4	264.96

SEQUENCE OF CONSTRUCTION:

1. STAGE IIA: REMOVE EAST PORTION OF EXISITNG PIER.
2. STAGE IIB: CONSTRUCT EAST PORTION OF PROPOSED PIER.

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.

M.P. 113.89, BIN 5513230

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SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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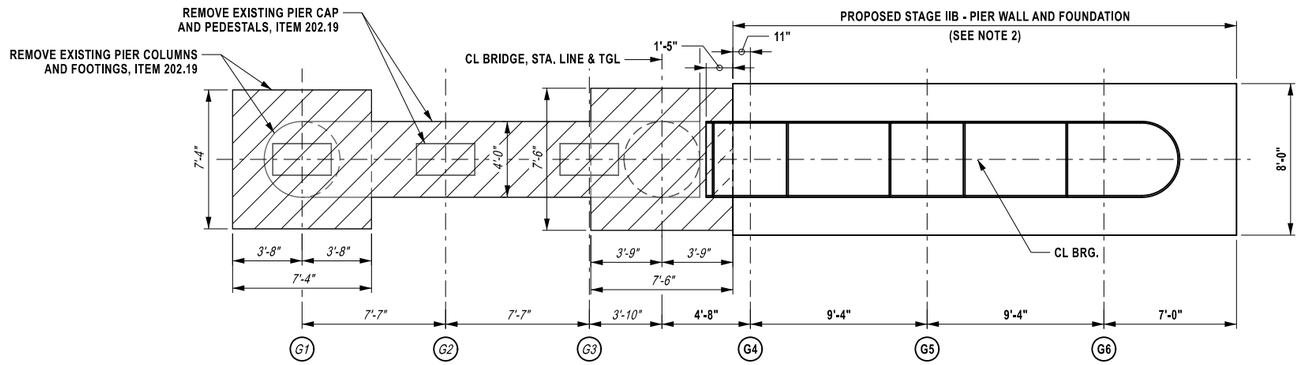
PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PIER STAGING (SHEET 1 OF 2)	DRAWING NUMBER: ST-13

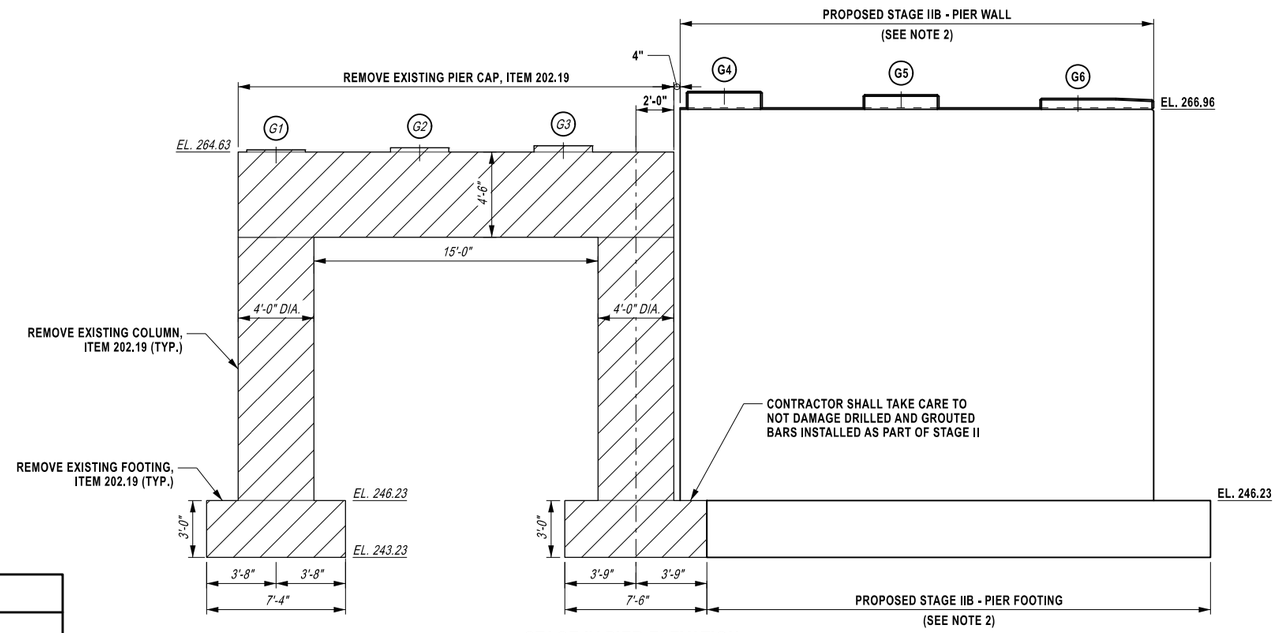
PW:/

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

GRID NORTH



STAGE IV PIER PLAN
SCALE: ⅛" = 1'-0"



STAGE IV PIER ELEVATION
SCALE: ⅛" = 1'-0"

LEGEND:

- (G#) INDICATES GIRDER NUMBER
- REMOVAL OF SUBSTRUCTURES, ITEM 202.19

CONCRETE REMOVAL TABLE ITEM 202.19	
STAGE	QUANTITY (CY)
STAGE IV	41

SEQUENCE OF CONSTRUCTION:

1. STAGE IVA: REMOVE WEST PORTION OF EXISITNG PIER.
2. STAGE IVB: CONSTRUCT WEST PORTION OF PROPOSED PIER.

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.
2. FOR DETAILS OF PROPOSED PIER INCLUDING DIMENSIONS, SEE DRAWING NO. ST-13.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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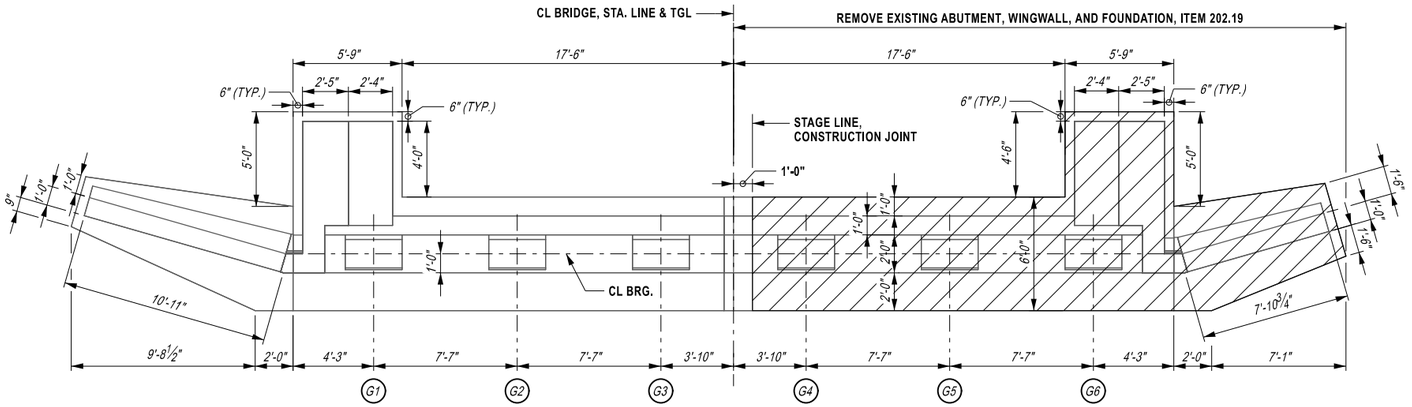
NEW YORK STATE Thruway Authority

PARSONS

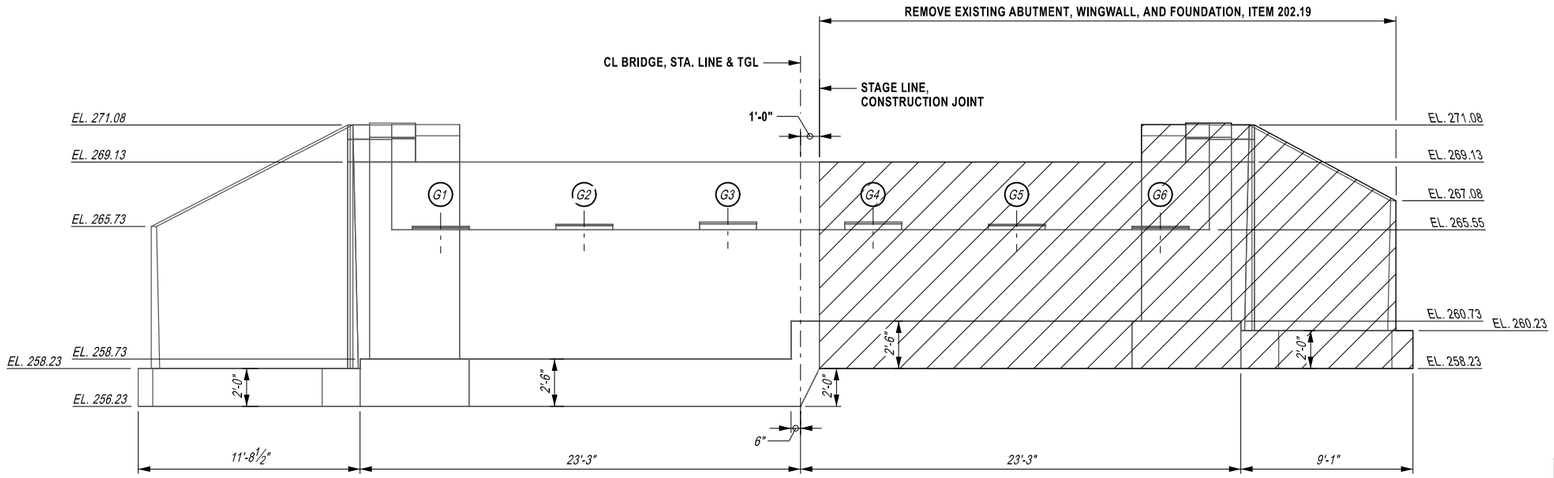
TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	PIER STAGING (SHEET 2 OF 2)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	ST-14

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

GRID NORTH



STAGE II END ABUTMENT PLAN
SCALE: ⅛" = 1'-0"



LEGEND:

- (G#) INDICATES GIRDER NUMBER
- REMOVAL OF SUBSTRUCTURES, ITEM 202.19

CONCRETE REMOVAL TABLE ITEM 202.19	
STAGE	QUANTITY (CY)
STAGE II	51

TOP OF EXISTING PEDESTAL ELEVATIONS	
PEDESTAL	ELEVATION
G1, G6	265.73
G2, G5	265.85
G3, G4	265.96

STAGE II END ABUTMENT ELEVATION
SCALE: ⅛" = 1'-0"

SEQUENCE OF CONSTRUCTION:

1. STAGE IIA: REMOVE EAST PORTION OF EXISITNG END ABUTMENT.
2. STAGE IIB: CONSTRUCT EAST PORTION OF PROPOSED END ABUTMENT.

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

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DANIEL A LEVINE
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

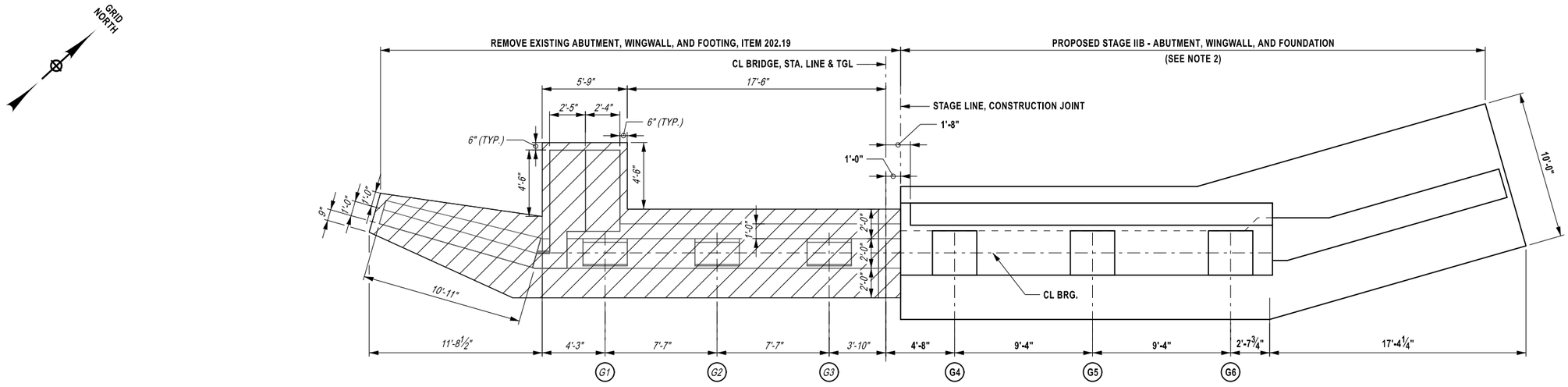
TITLE OF DRAWING
END ABUTMENT
STAGING (SHEET 1 OF 3)

CONTRACT NUMBER:
TAA 25-21B

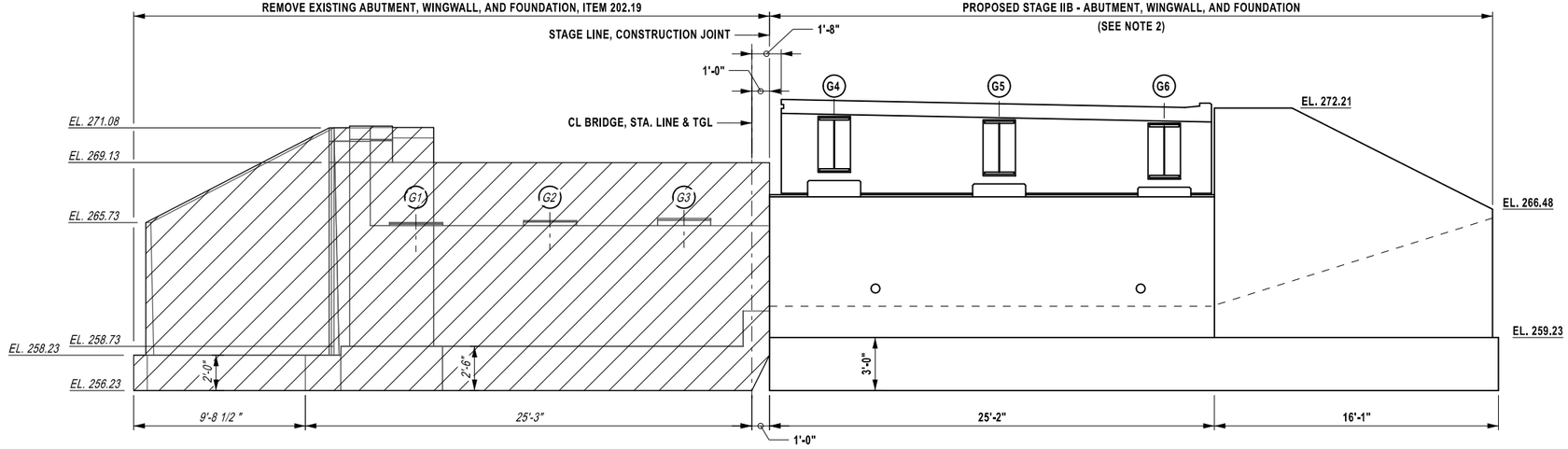
DATE:
08/26/2025

DRAWING NUMBER:
ST-15

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



STAGE IV END ABUTMENT PLAN
SCALE: ⅛" = 1'-0"



STAGE IV END ABUTMENT ELEVATION
SCALE: ⅛" = 1'-0"

LEGEND:

- (G#) INDICATES GIRDER NUMBER
- REMOVAL OF SUBSTRUCTURES, ITEM 202.19

CONCRETE REMOVAL TABLE ITEM 202.19	
STAGE	QUANTITY (CY)
STAGE IV	63

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.
2. FOR DETAILS OF PROPOSED END ABUTMENT INCLUDING DIMENSIONS, SEE DRAWING NO. ST-26.

SEQUENCE OF CONSTRUCTION:

1. STAGE IVA: REMOVE WEST PORTION OF EXISITNG END ABUTMENT.
2. STAGE IVB: CONSTRUCT WEST PORTION OF PROPOSED END ABUTMENT.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER · EXCELLENCE

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

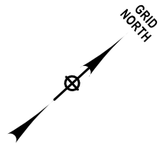
NEW YORK STATE Thruway Authority

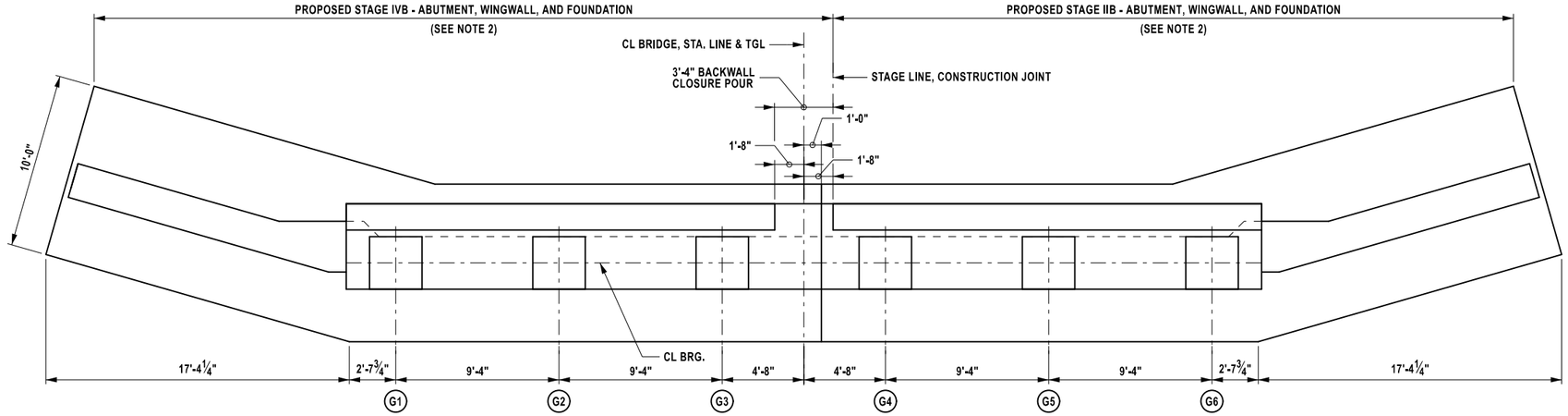
PARSONS

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	END ABUTMENT STAGING (SHEET 2 OF 3)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	ST-16

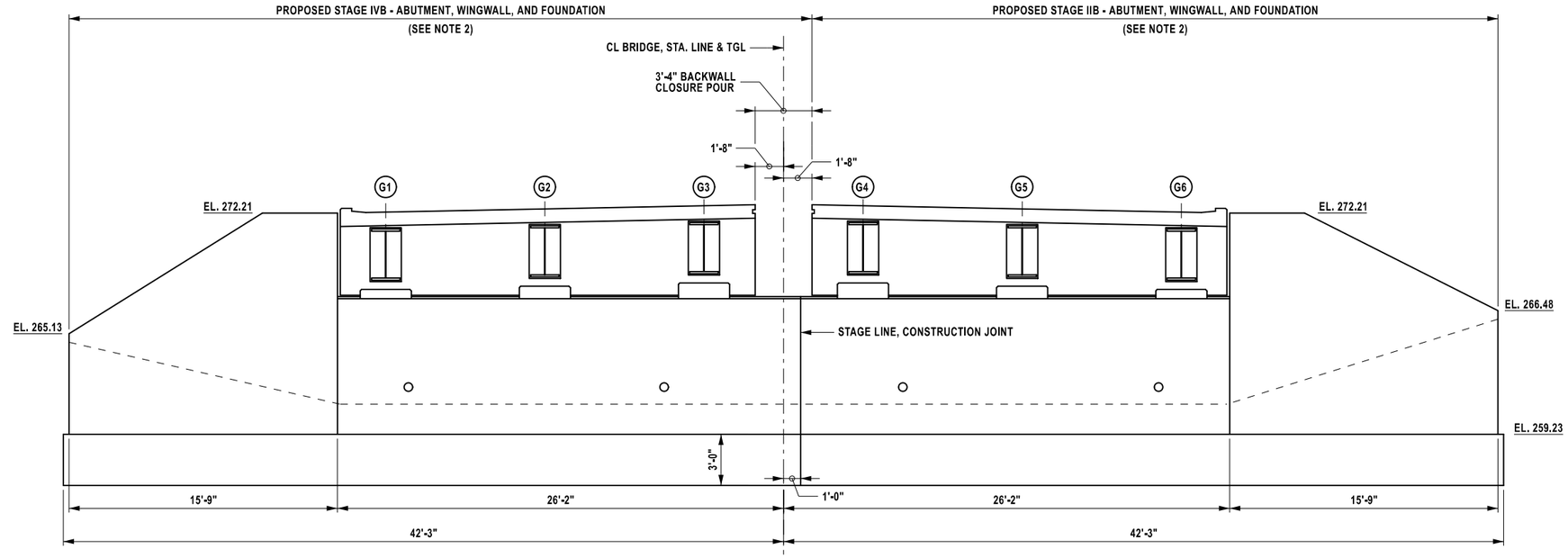
PW:/

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





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



LEGEND:

(G#) INDICATES GIRDER NUMBER

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

NOTES:

1. FOR ADDITIONAL NOTES, SEE DRAWING NO. ST-10.
2. FOR DETAILS OF PROPOSED END ABUTMENT INCLUDING DIMENSIONS, SEE DRAWING NO. ST-26.

SEQUENCE OF CONSTRUCTION:

1. STAGE IVC: CONSTRUCT BACKWALL CLOSURE POUR.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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DATE	DESCRIPTION	BY	SYM.

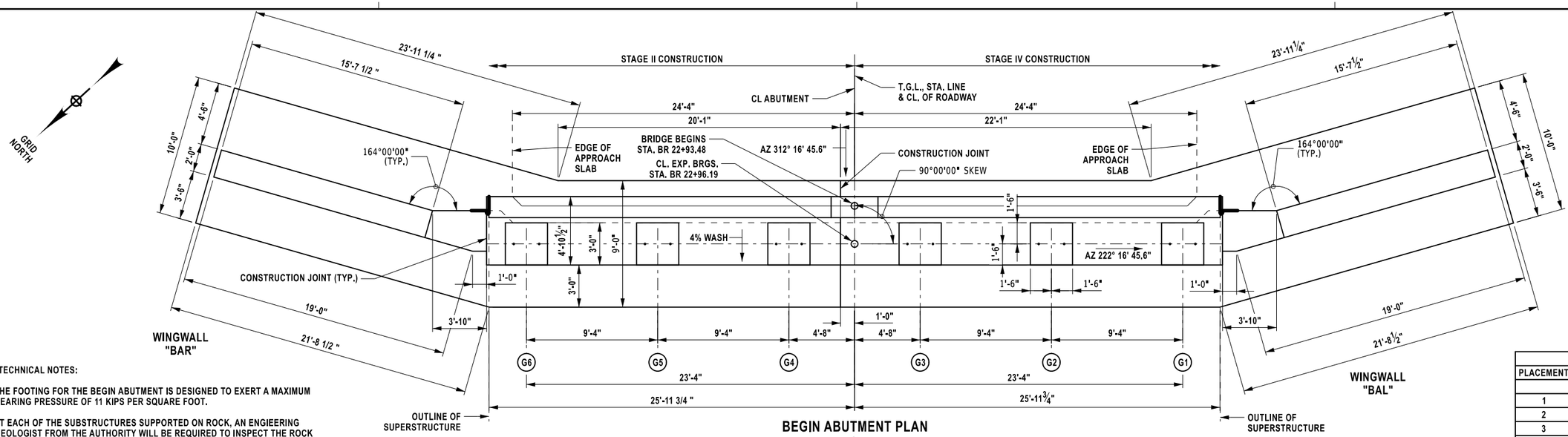
NEW YORK STATE | Thruway Authority

PARSONS

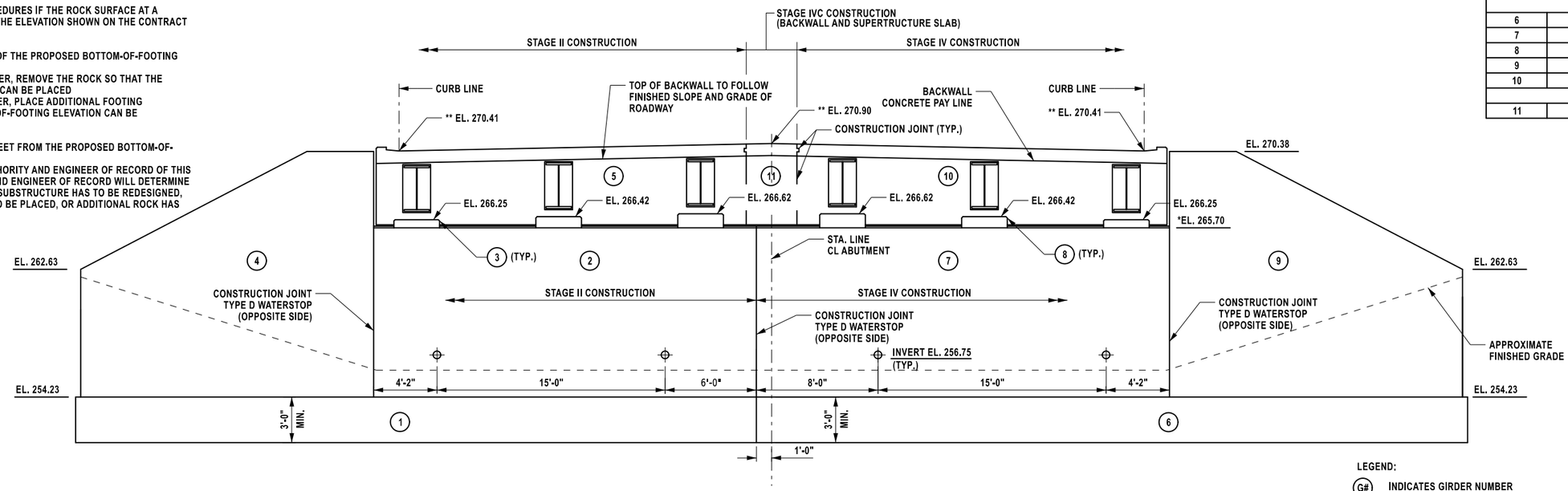
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: END ABUTMENT STAGING (SHEET 3 OF 3)	DRAWING NUMBER: ST-17

PW:/

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



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



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

GEOTECHNICAL NOTES:

1. THE FOOTING FOR THE BEGIN ABUTMENT IS DESIGNED TO EXERT A MAXIMUM BEARING PRESSURE OF 11 KIPS PER SQUARE FOOT.
2. AT EACH OF THE SUBSTRUCTURES SUPPORTED ON ROCK, AN ENGIEERING GEOLOGIST FROM THE AUTHORITY WILL BE REQUIRED TO INSPECT THE ROCK TO DETERMINE IF IT IS COMPETENT TO SUPPORT THE SERVICE LIMIT STATE BEARING PRESSURES SHOWN ON THE CONTRACT PLANS.
3. ADHERE TO THE FOLLOWING PROCEDURES IF THE ROCK SURFACE AT A SUBSTRUCTURE IS NOT FOUND AT THE ELEVATION SHOWN ON THE CONTRACT PLANS:
   - A. ROCK SURFACE WITHIN 2 FEET OF THE PROPOSED BOTTOM-OF-FOOTING ELEVATION
     - IF THE ROCK SURFACE IS HIGHER, REMOVE THE ROCK SO THAT THE MINIMUM FOOTING THICKNESS CAN BE PLACED
     - IF THE ROCK SURFACE IS LOWER, PLACE ADDITIONAL FOOTING CONCRETE SO THAT THE TOP-OF-FOOTING ELEVATION CAN BE ACHIEVED.
   - B. ROCK SURFACE MORE THAN 2 FEET FROM THE PROPOSED BOTTOM-OF-FOOTING ELEVATION
     - THE EIC WILL NOTIFY THE AUTHORITY AND ENGINEER OF RECORD OF THIS CONDITION. THE AUTHORITY AND ENGINEER OF RECORD WILL DETERMINE IF: THE FOUNDATION FOR THE SUBSTRUCTURE HAS TO BE REDESIGNED, ADDITIONAL CONCRETE HAS TO BE PLACED, OR ADDITIONAL ROCK HAS TO BE EXCAVATED.

CONCRETE TABLE		
PLACEMENT	QUANTITY (CY)	ITEM NO.
STAGE II		
1	48	555.0011
2	36	555.0021
3	1	555.0021
4	18	555.0021
5	7	555.0021
STAGE IV		
6	50	555.0011
7	39	555.0021
8	1	555.0021
9	18	555.0021
10	7	555.0021
STAGE IVC		
11	1	555.0021

* ELEVATION AT FRONT FACE OF STEMWALL.

** ELEVATIONS AT THE CENTER LINE OF THE BEARINGS

SUBSTRUCTURE	STRENGTH LIMIT STATE BEARING PRESSURE (KIPS/FT^2)	SERVICE LIMIT STATE BEARING PRESSURE (KIPS/FT^2)
BEGIN ABUTMENT	11	8

LEGEND:

(G#) INDICATES GIRDER NUMBER

(NO.) INDICATES CONCRETE PLACEMENT NUMBER

NOTES:

1. POURS 5, 10, AND 11 ARE BACKWALL CONCRETE QUANTITIES. BRIDGE DECK IS PAID FOR UNDER SEPARATE ITEM. SEE ST-20 FOR DETAILS.
2. SHEAR KEY AT CONSTRUCTION JOINTS NOT SHOWN FOR CLARITY. FOR DETAILS OF TYPICAL SHEAR KEYS, SEE DRAWING NO. ST-22.
3. FOR ADDITIONAL NOTES SEE ST-19 AND ST-20.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

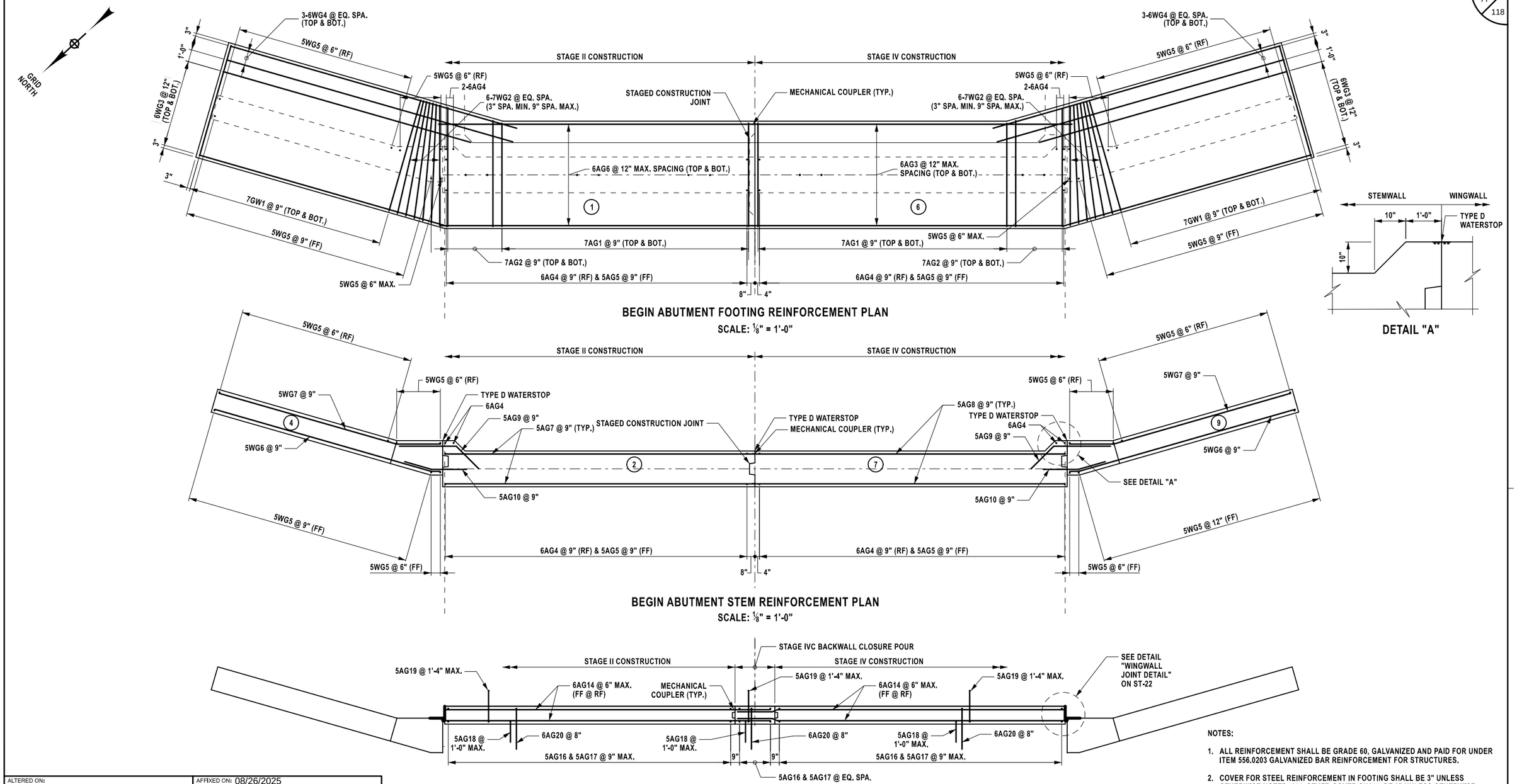
NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BEGIN ABUTMENT (SHEET 1 OF 2)	DRAWING NUMBER: ST-18

PW:

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



BEGIN ABUTMENT FOOTING REINFORCEMENT PLAN
SCALE: ⅛" = 1'-0"

DETAIL "A"

BEGIN ABUTMENT STEM REINFORCEMENT PLAN
SCALE: ⅛" = 1'-0"

BEGIN ABUTMENT BACKWALL REINFORCEMENT PLAN
SCALE: ⅛" = 1'-0"

NOTES:

1. ALL REINFORCEMENT SHALL BE GRADE 60, GALVANIZED AND PAID FOR UNDER ITEM 556.0203 GALVANIZED BAR REINFORCEMENT FOR STRUCTURES.
2. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
3. MECHANICAL CONNECTORS SHALL MEET THE REQUIREMENTS OF NYSDOT STANDARD SPECIFICATION SECTION 707-10 AND PAID FOR UNDER ITEM 556.0203.
4. ALL EXPOSED CONCRETE SURFACES OF THE ABUTMENTS AND WINGWALLS SHALL HAVE PROTECTIVE SEALER APPLIED, PAID FOR UNDER ITEM 559.02.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
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NEW YORK STATE Thruway Authority

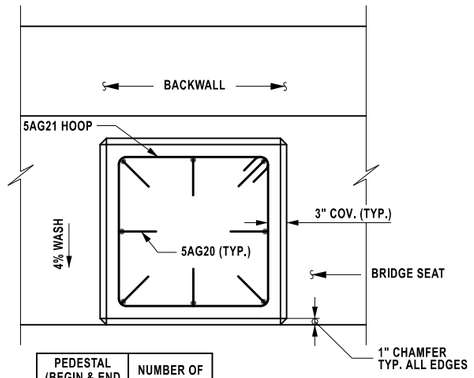
PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BEGIN ABUTMENT (SHEET 2 OF 2)	DRAWING NUMBER: ST-19

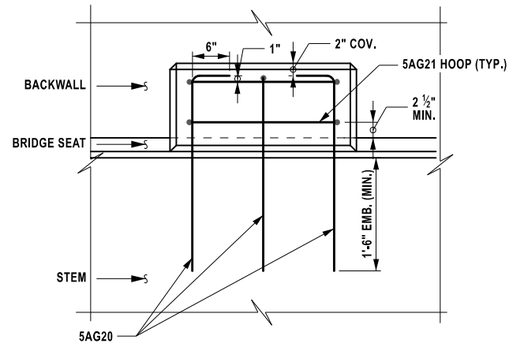
PW:/

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

GRID NORTH



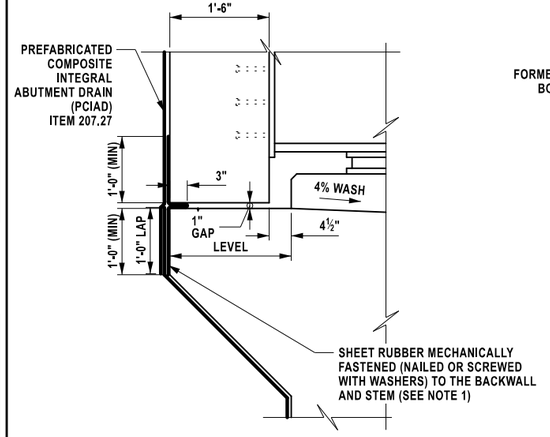
PEDESTAL (BEGIN & END ABUTMENT)	NUMBER OF HOOPS
G1 & G6	1
G2, G3, G4 & G5	2



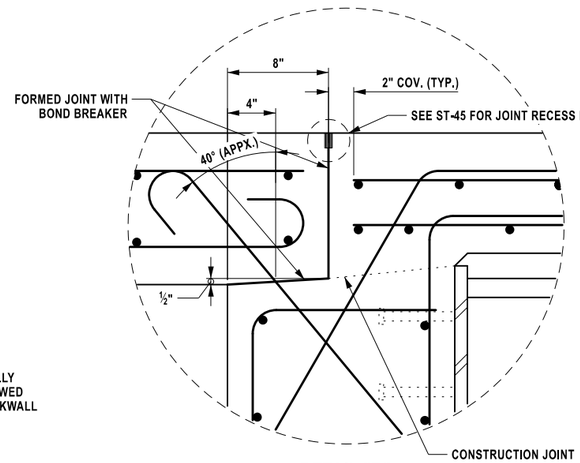
TYPICAL ABUTMENT PEDESTAL DETAILS

SEMI-INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE

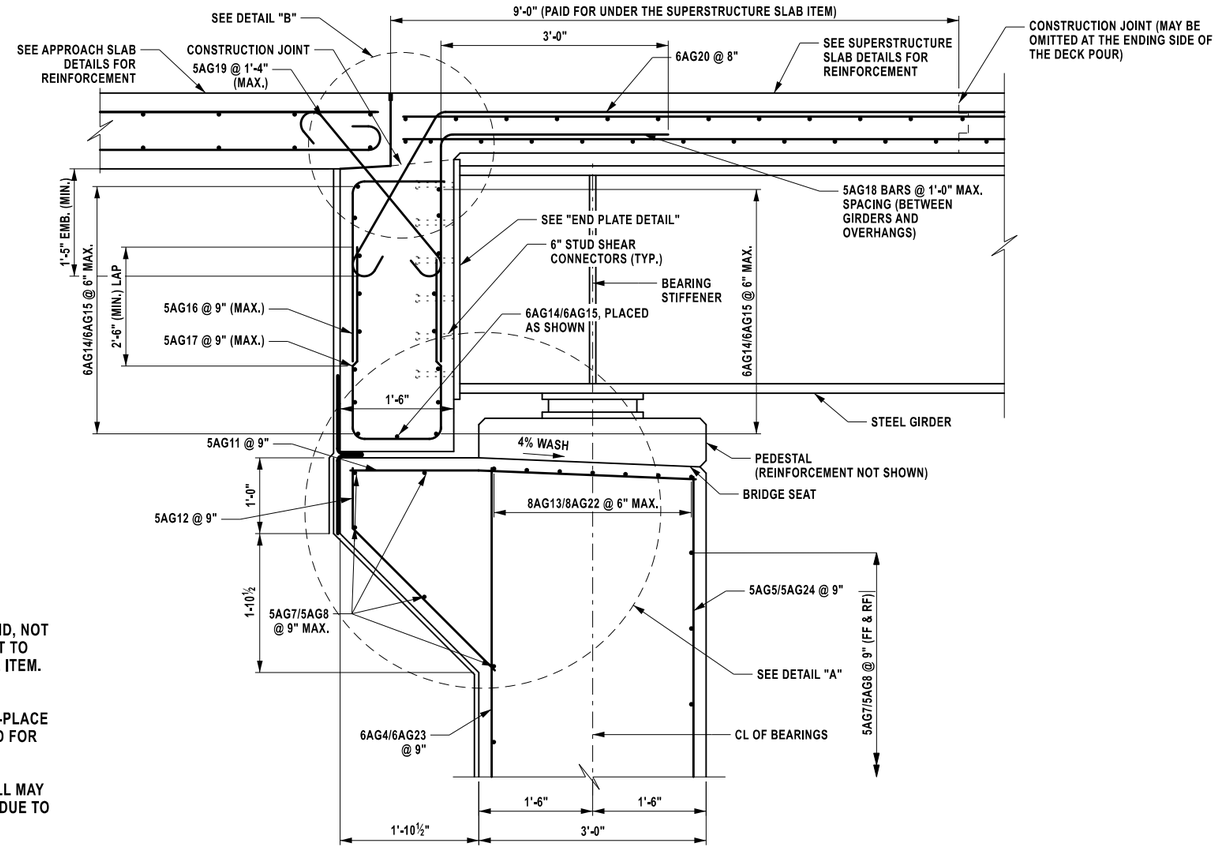
1. PLACE FOOTING, ABUTMENT STEM, PEDESTALS, AND WINGWALLS.
2. BACKFILL ABUTMENT STEM TO 1'-0" BELOW THE BRIDGE SEAT ELEVATION. NO BACKFILL OF THE ABUTMENT STEMS ALLOWED UNTIL THE ABUTMENTS HAVE CURED FOR 7 DAYS.
3. PLACE STONE FILL OR SLOPE PROTECTION.
4. ERECT GIRDERS AND INSTALL ALL DIAPHRAGMS.
5. PLACE ABUTMENT BACKWALL CONCRETE.
6. BACKFILL ABUTMENT BACKWALLS. NO BACKFILLING OF THE ABUTMENT BACKWALL IS ALLOWED UNTIL BACKWALLS HAVE CURED FOR 7 DAYS. BACKFILLING SHALL BE CONDUCTED SUCH THAT THE MAXIMUM DIFFERENTIAL IN FILL HEIGHT BETWEEN THE TWO BACKWALLS (AS MEASURED FROM THE BOTTOM OF THE BACKWALL) DOES NOT EXCEED 2'-0". IN ADDITION, THE FILL HEIGHT BEHIND ANY SINGLE ABUTMENT BACKWALL SHALL NOT VARY MORE THAN 2'-0"
7. PLACE DECK SLAB CONCRETE.
8. PLACE APPROACH SLAB CONCRETE.



DETAIL "A"
N.T.S.



DETAIL "B"
N.T.S.



SEMI-INTEGRAL ABUTMENT SECTION
N.T.S.

NOTES:

1. SHEET RUBBER SHALL BE 1/8" THICK POLYCHLOROPRENE (SOLID, NOT FOAM) WITH A DUROMETER "SHORE A" VALUE OF 60 (± 10). COST TO BE INCLUDED IN THE PRICE BID FOR THE ABUTMENT CONCRETE ITEM.
2. 1" EXPANDED POLYSTYRENE (EPS) FOAM (ASTM C578) WITH A COMPRESSIVE STRENGTH OF 25 PSI MAY BE USED AS A STAY-IN-PLACE FORM TO CREATE THE GAP. COST TO BE INCLUDED IN PRICE BID FOR THE ABUTMENT CONCRETE ITEM.
3. AT THE TIME OF PLACEMENT, THE REAR FACE OF THE BACKWALL MAY NOT BE IN LINE WITH THE REAR FACE OF THE ABUTMENT STEM DUE TO THERMAL MOVEMENT OF THE SUPERSTRUCTURE.
4. END DIAPHRAGMS AND SHEAR STUD CONNECTORS ON TOP OF GIRDER NOT SHOWN FOR CLARITY.
5. SEE ST-19 FOR ADDITIONAL NOTES.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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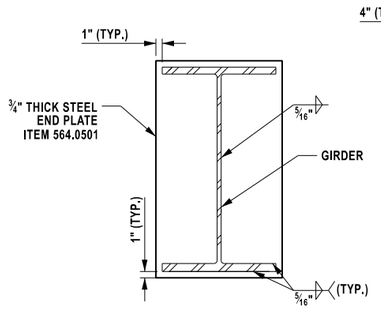
DATE	DESCRIPTION	BY	SYM.

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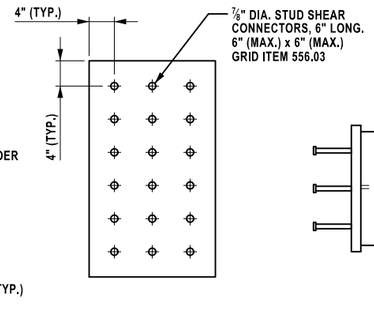
PARSONS

M.P. 113.89, BIN 5513230

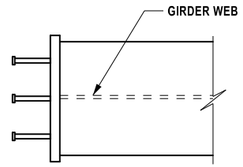
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LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: ABUTMENT DETAILS (SHEET 1 OF 3)	DRAWING NUMBER: ST-20



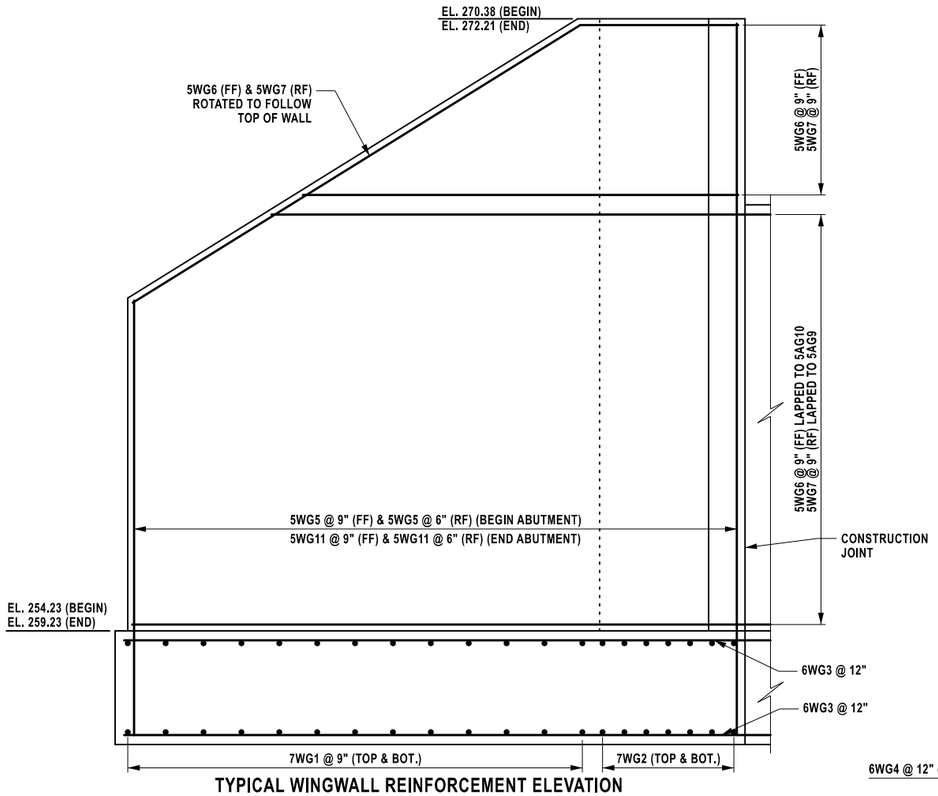
END PLATE DETAIL



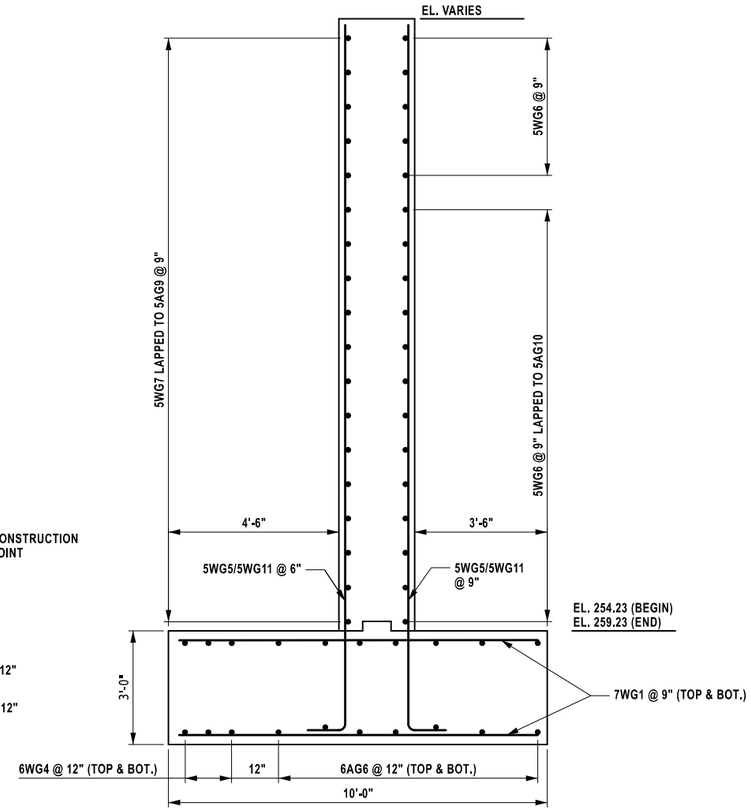
END PLATE SHEAR CONNECTOR LAYOUT



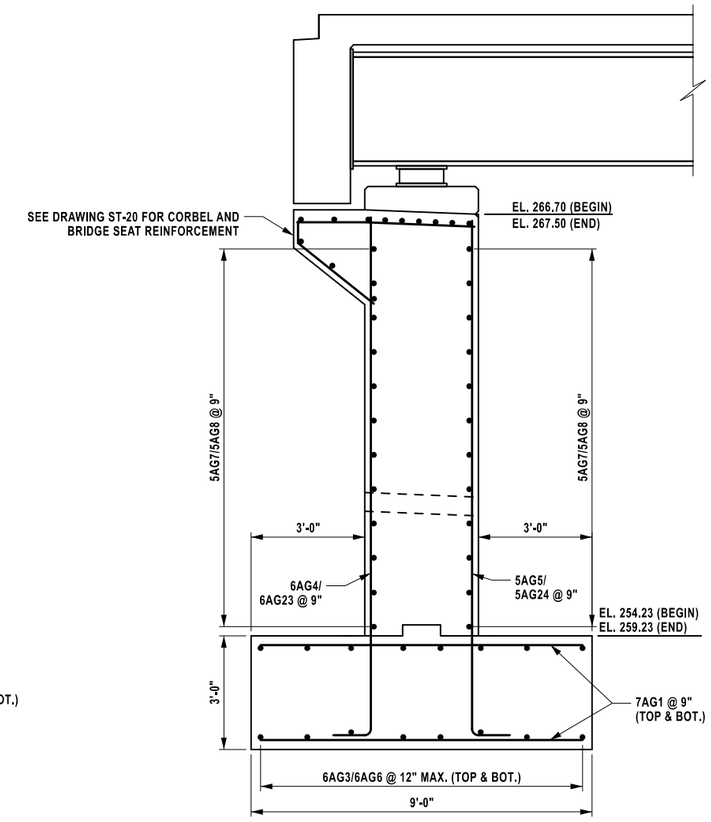
END PLATE PLAN VIEW



TYPICAL WINGWALL REINFORCEMENT ELEVATION
SCALE: ¼" = 1'-0"



TYPICAL WINGWALL REINFORCEMENT SECTION
SCALE: ¼" = 1'-0"



TYPICAL ABUTMENT REINFORCEMENT SECTION
SCALE: ¼" = 1'-0"

PW:/

CHECKED BY: D. LEVINE

DRAFTED BY: J.P. O'LOUGHLIN

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALTERED ON:	AFFIXED ON: 08/26/2025
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STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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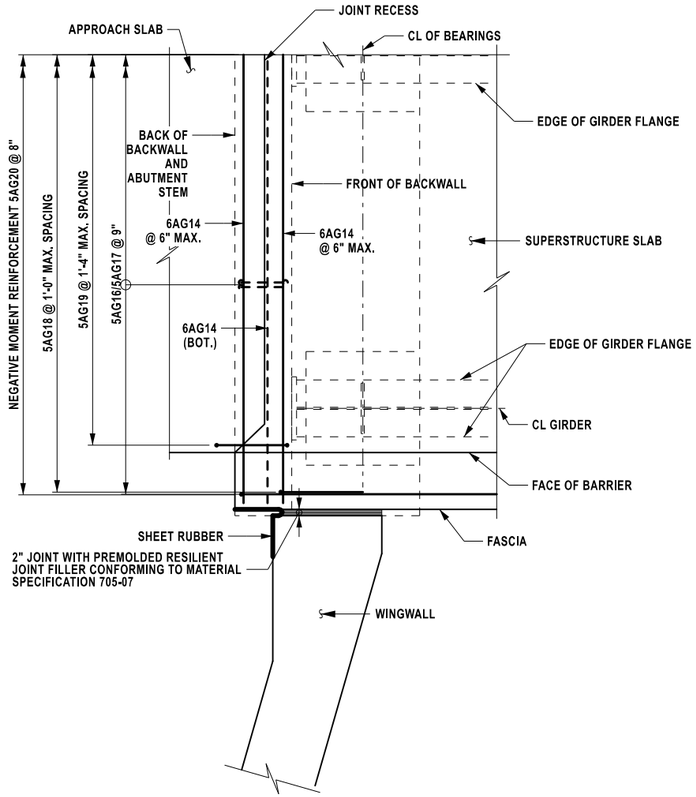
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

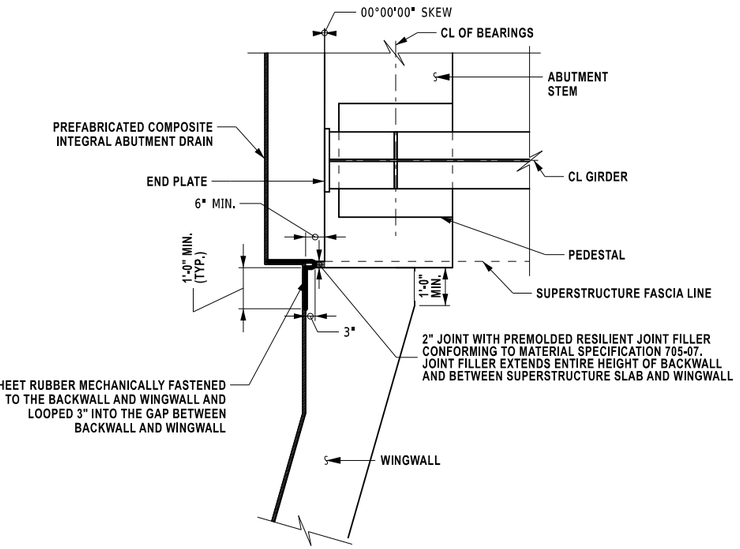
PARSONS

M.P. 113.89, BIN 5513230

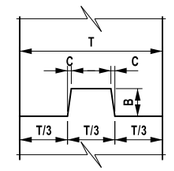
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: ABUTMENT DETAILS (SHEET 2 OF 3)	DRAWING NUMBER: ST-21



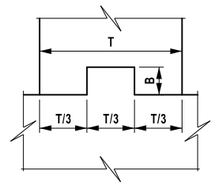
BACKWALL REINFORCEMENT PLAN
SCALE: 1/4" = 1-0'"



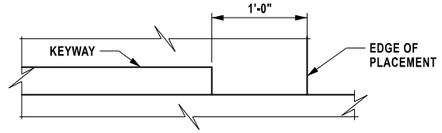
WINGWALL JOINT DETAIL
SCALE: 1/4" = 1-0'"



VERTICAL



HORIZONTAL



CONSTRUCTION AND CONTRACTION JOINTS		
C	B	T/3
3/16"	1 1/12"	0 TO 6"
3/8"	3 1/2"	6" TO 10"
3/4"	5 1/2"	10" AND OVER

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

KEYWAY DETAILS
NOT TO SCALE

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:

STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

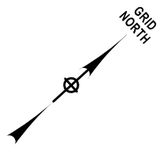
PARSONS

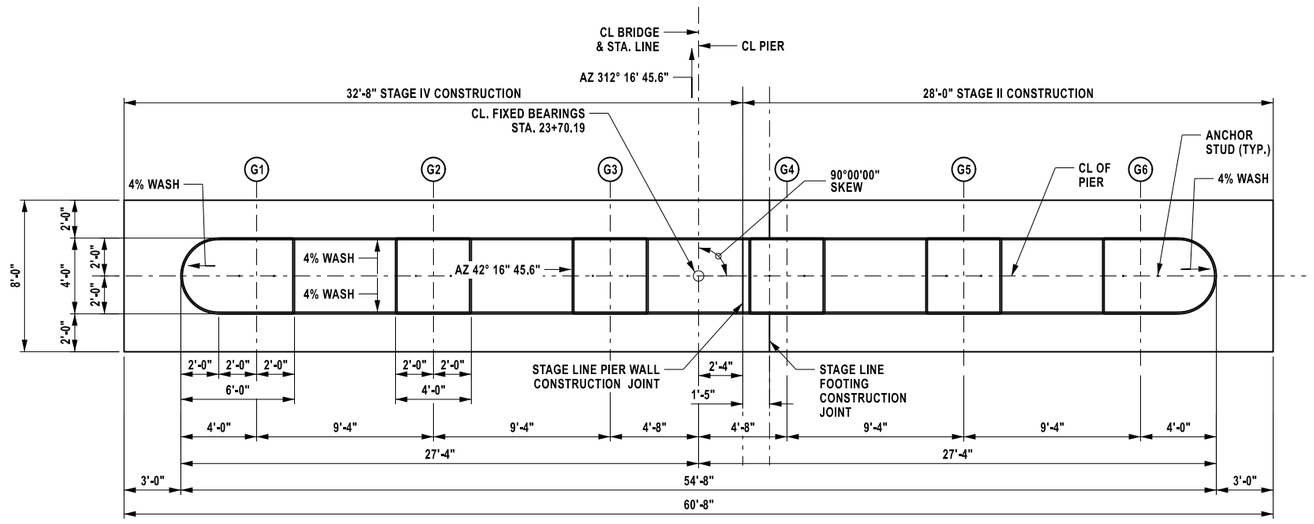
M.P. 113.89, BIN 5513230

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	ABUTMENT DETAILS (SHEET 3 OF 3)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	ST-22

PW:/

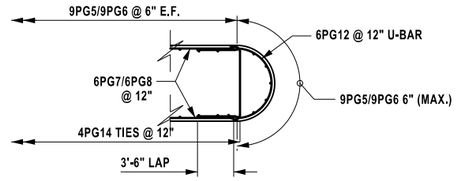
DESIGN SUPERVISOR: D. LEVINE
DESIGNED BY: J.P. O'LOUGHLIN
DRAFTED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE



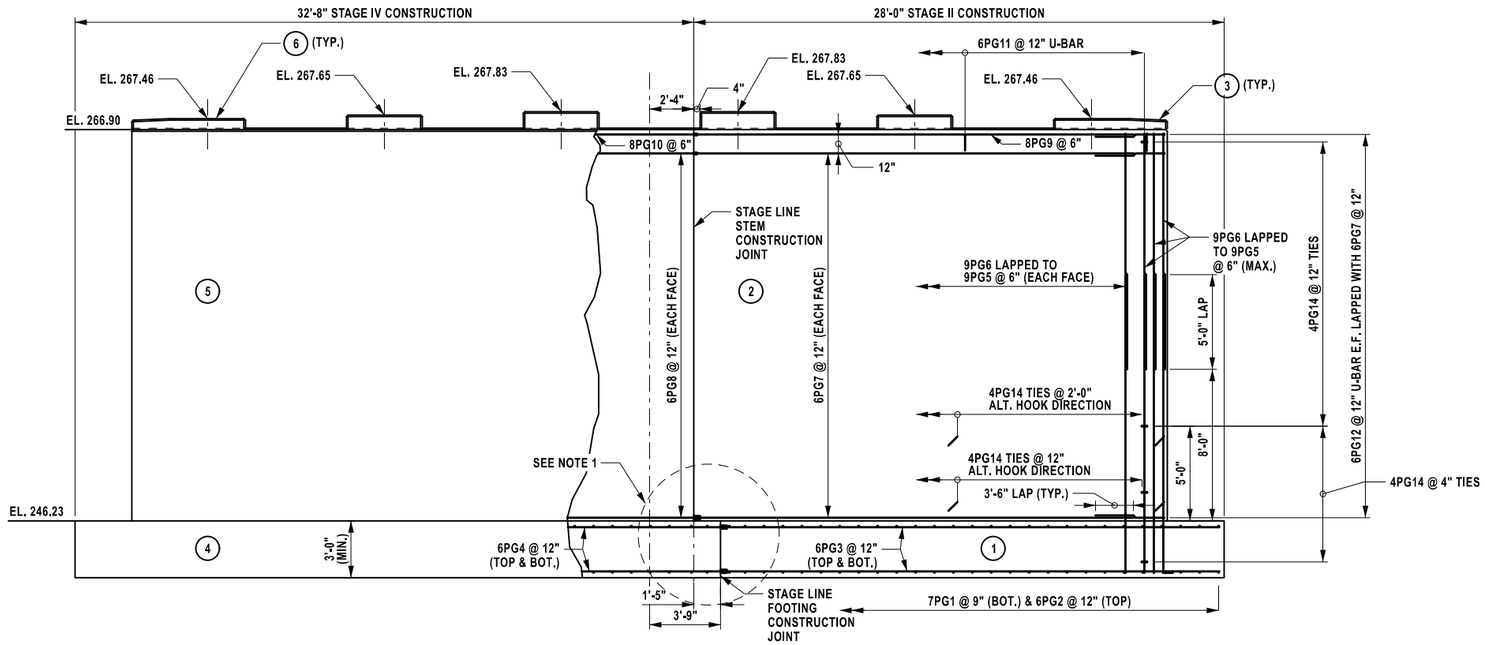


PIER PLAN
SCALE: ⅛" = 1'-0"

CONCRETE TABLE		
PLACEMENT	QUANTITY (CY)	ITEM NO.
STAGE II		
1	24	555.0011
2	76	555.0021
3	2	555.0021
STAGE IV		
4	31	555.0011
5	90	555.0021
6	2	555.0021



PIER STEM END DETAIL
SCALE: ⅛" = 1'-0"



PIER ELEVATION
SCALE: ⅛" = 1'-0"

GEOTECHNICAL NOTES:

1. THE FOOTING FOR THE PIER IS DESIGNED TO EXERT A MAXIMUM BEARING PRESSURE OF 12 KIPS PER SQUARE FOOT.
2. SEE ST-18 FOR ADDITIONAL NOTES.

SUBSTRUCTURE	STRENGTH LIMIT STATE BEARING PRESSURE (KIPS/FT^2)	SERVICE LIMIT STATE BEARING PRESSURE (KIPS/FT^2)
PIER	12	7

NOTES:

1. SEE ST-25 FOR PIER JOINT DETAILS AT FOOTING.
2. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
3. ALL LATERAL TIES IN THE SAME ROW SHALL ALTERNATE THE ORIENTATION OF THE 135° HOOK BETWEEN FACES.
4. ALL REINFORCEMENT SHALL BE GRADE 60, GALVANIZED AND PAID FOR UNDER ITEM 556.0203 GALVANIZED BAR REINFORCEMENT FOR STRUCTURES.
5. MECHANICAL CONNECTORS SHALL MEET THE REQUIREMENTS OF NYSDOT STANDARD SPECIFICATION SECTION 707-10 AND BE PAID FOR UNDER ITEM 556.0203.
6. ALL EXPOSED CONCRETE SURFACES OF THE ABUTMENTS, WINGWALLS AND PIERS SHALL HAVE PROTECTIVE SEALER APPLIED, PAID FOR UNDER ITEM 559.02.
7. CARE SHALL BE TAKEN TO PREVENT DAMAGE TO VERTICAL BARS INSTALLED VIA DRILLING INTO EXISTING FOOTING IN STAGE II. SEE DETAILS ST-25.

LEGEND:

(G#) INDICATES GIRDER NUMBER

(NO.) INDICATES CONCRETE PLACEMENT NUMBER

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP:



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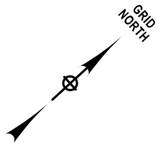
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

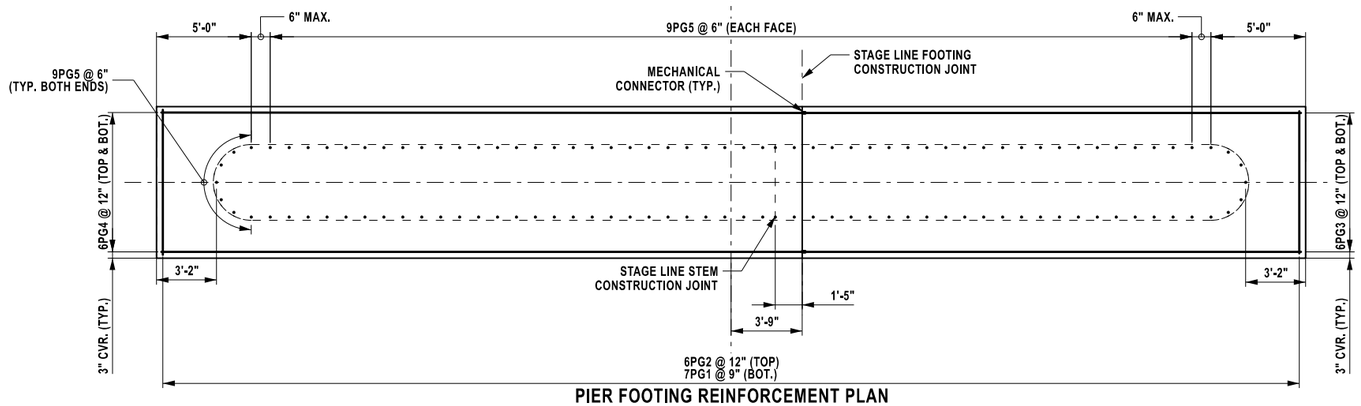
NEW YORK STATE | Thruway Authority

PARSONS

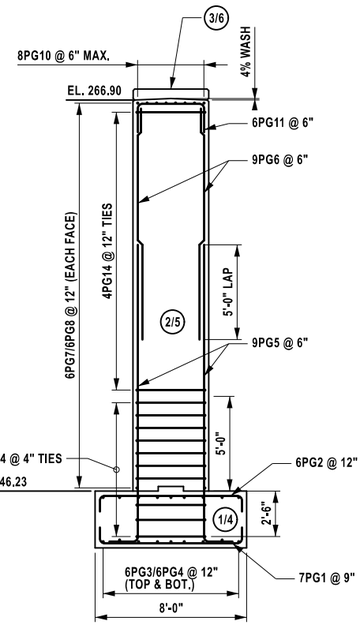
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PIER PLAN AND ELEVATION	DRAWING NUMBER: ST-23

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

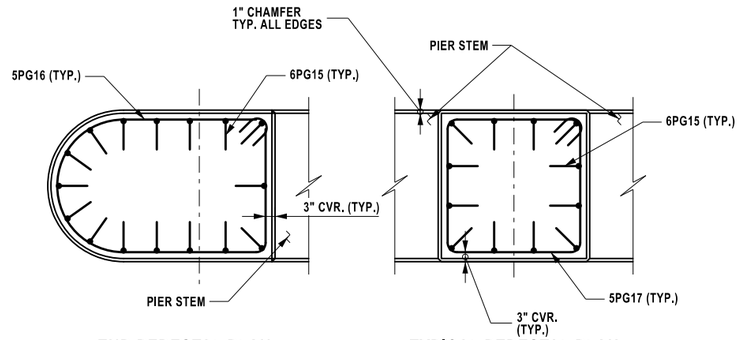




PIER FOOTING REINFORCEMENT PLAN
SCALE: ⅛" = 1'-0"



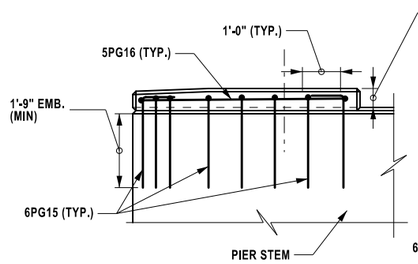
PIER REINFORCEMENT SECTION
SCALE: ⅛" = 1'-0"



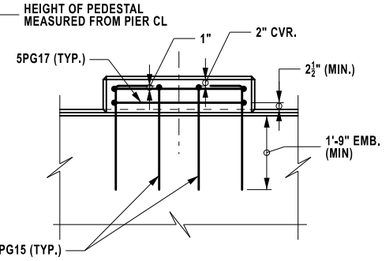
END PEDESTAL PLAN
SCALE: ¼" = 1'-0"

TYPICAL PEDESTAL PLAN
SCALE: ¼" = 1'-0"

CHAMFER DETAIL
SCALE: N.T.S.



END PEDESTAL ELEVATION
SCALE: ¼" = 1'-0"



TYPICAL PEDESTAL ELEVATION
SCALE: ¼" = 1'-0"

NOTES:

1. SEE ST-23 FOR ADDITIONAL NOTES.

PEDESTAL	NUMBER OF HOOPS
G1 & G6	1
G2 & G4	2
G3 & G4	3

LEGEND:

(G#) INDICATES GIRDER NUMBER

(NO.) INDICATES CONCRETE PLACEMENT NUMBER

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK · DANIEL A LEVINE · 097330 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

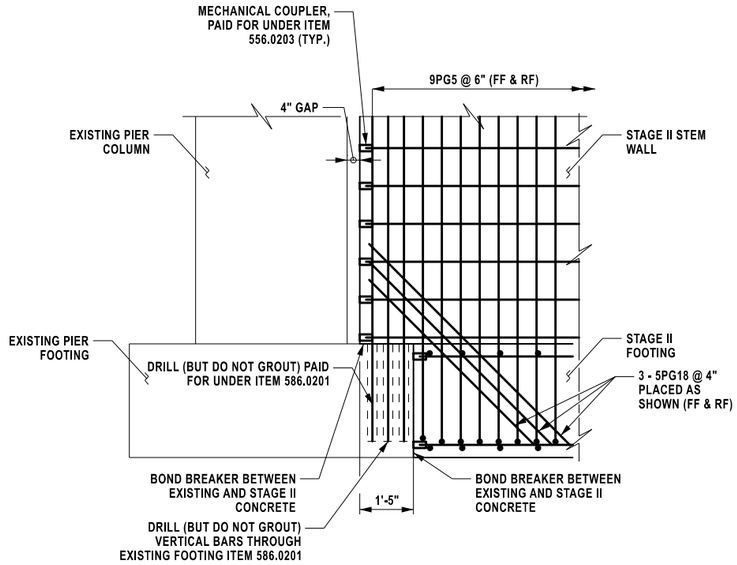
NEW YORK STATE | Thruway Authority

PARSONS

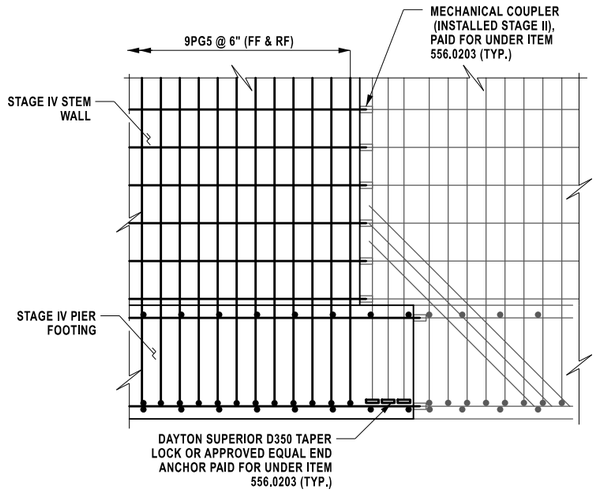
M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PIER DETAILS (1 OF 2)	DRAWING NUMBER: ST-24

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



PIER STAGE II DETAIL
SCALE: ¼" = 1'-0"



PIER STAGE IV DETAIL
SCALE: ¼" = 1'-0"

NOTES:

1. SEE ST-23 FOR ADDITIONAL NOTES.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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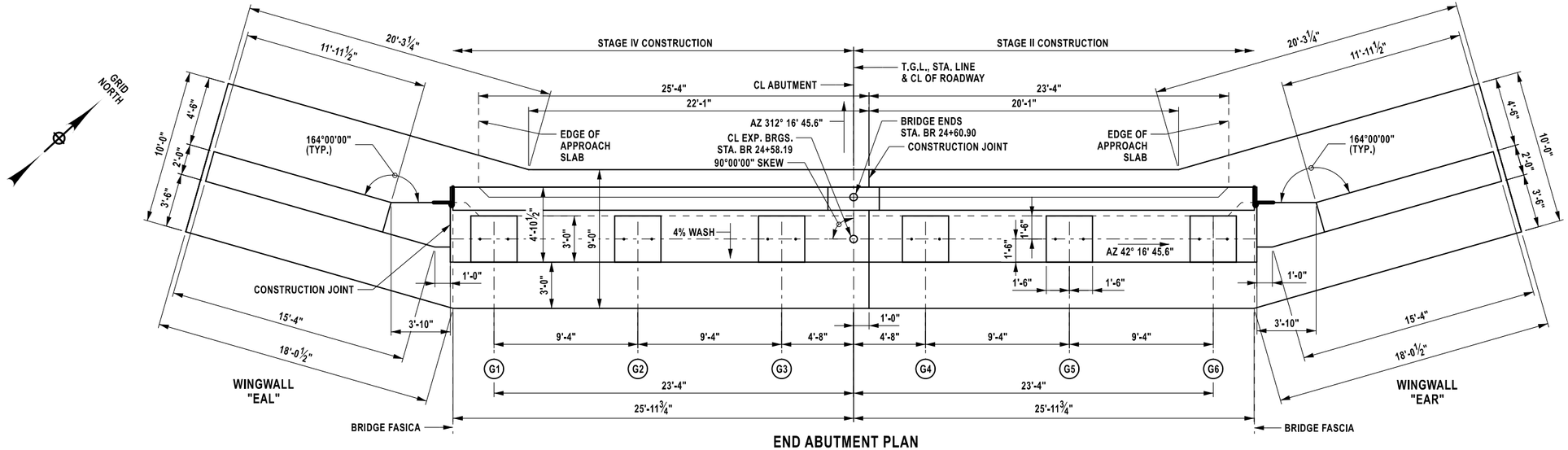
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

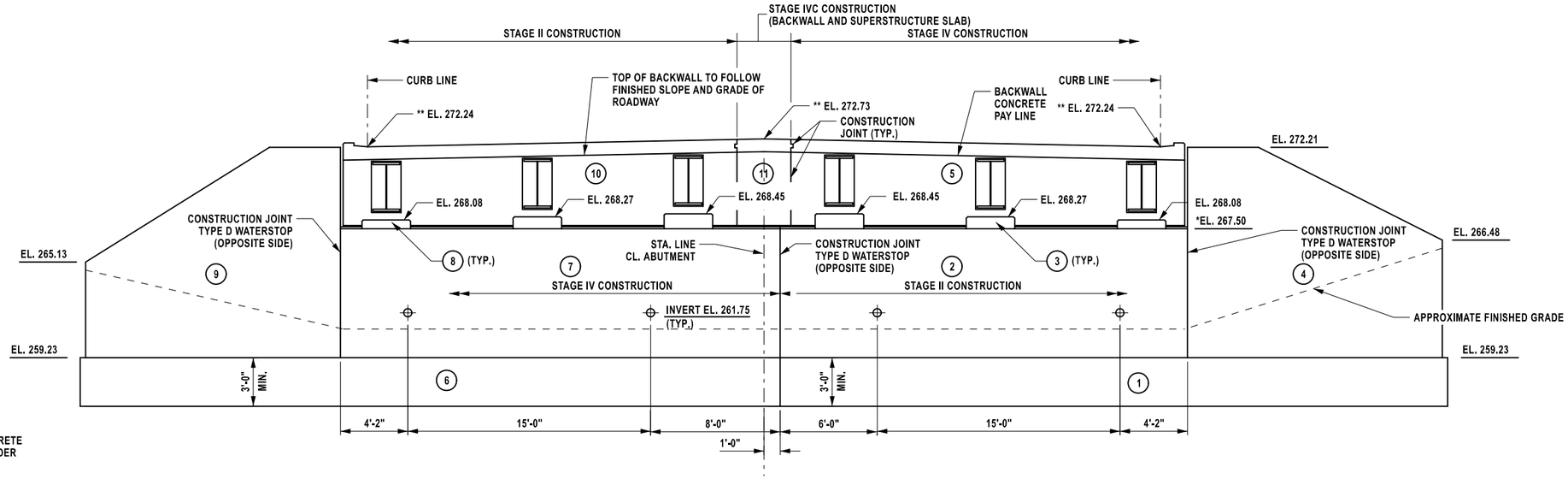
PARSONS

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PIER DETAILS (2 OF 2)	DRAWING NUMBER: ST-25



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



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

CONCRETE TABLE		
PLACEMENT	QUANTITY (CY)	ITEM NO.
STAGE II		
1	48	555.0011
2	27	555.0021
3	1	555.0021
4	15	555.0021
5	7	555.0021
STAGE IV		
6	50	555.0011
7	50	555.0021
8	1	555.0021
9	15	555.0021
10	7	555.0021
STAGE IVC		
11	1	555.0021

NOTES:

1. POURS 5, 10, AND 11 ARE BACKWALL CONCRETE QUANTITIES. BRIDGE DECK IS PAID FOR UNDER SEPARATE ITEM. SEE ST-20 FOR DETAILS.
2. SHEAR KEYS AT CONSTRUCTION JOINTS NOT SHOWN FOR CLARITY. FOR DETAILS OF TYPICAL SHEAR KEYS SEE DRAWING NO. ST-22.
3. FOR ADDITIONAL NOTES SEE ST-19 AND ST-20.

* ELEVATION AT FRONT FACE OF STEMWALL.

** ELEVATIONS AT THE CENTER LINE OF THE BEARINGS

SUBSTRUCTURE	STRENGTH LIMIT STATE BEARING PRESSURE (KIPS/FT^2)	SERVICE LIMIT STATE BEARING PRESSURE (KIPS/FT^2)
END ABUTMENT	11	8

GEOTECHNICAL NOTES:

1. THE FOOTING FOR THE END ABUTMENT IS DESIGNED TO EXERT A MAXIMUM BEARING PRESSURE OF 11 KIPS PER SQUARE FOOT.
2. SEE ST-18 FOR ADDITIONAL NOTES.

LEGEND:

(G#) INDICATES GIRDER NUMBER

(NO.) INDICATES CONCRETE PLACEMENT NUMBER

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

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STAMP: STATE OF NEW YORK DANIEL A LEVINE 097330 LICENSED PROFESSIONAL ENGINEER

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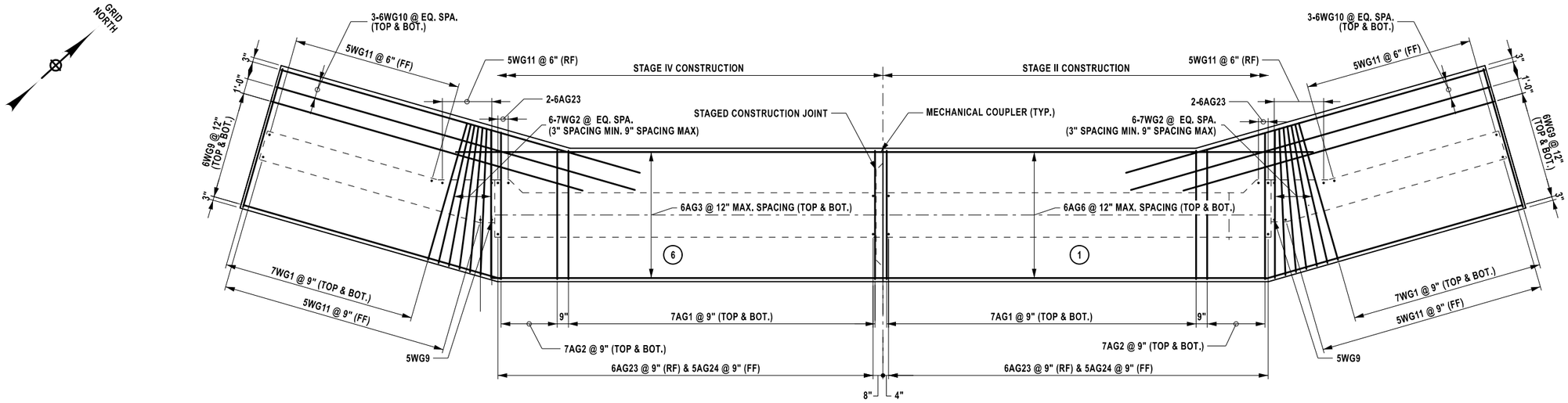
NEW YORK STATE Thruway Authority

PARSONS

M.P. 113.89, BIN 5513230

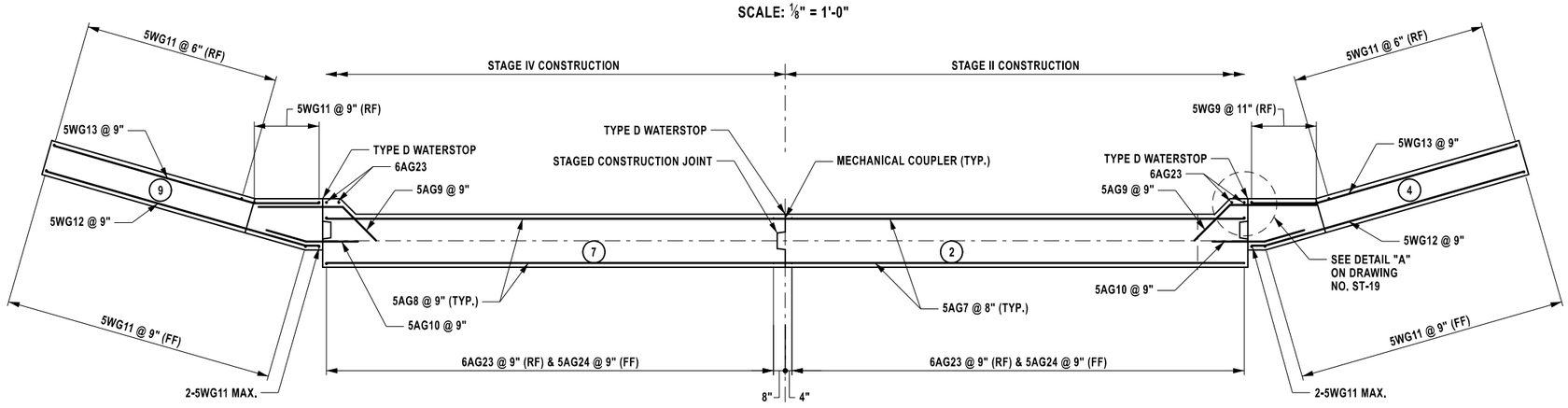
TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISION MP 113.89
TITLE OF DRAWING	END ABUTMENT (SHEET 1 OF 2)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	ST-26

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



END ABUTMENT FOOTING REINFORCEMENT PLAN

SCALE: ⅛" = 1'-0"



END ABUTMENT STEM REINFORCEMENT PLAN

SCALE: ⅛" = 1'-0"

NOTES:

1. SEE ST-19 AND ST-20 FOR ADDITIONAL NOTES.
2. END BACKWALL OPPOSITE HAND OF BEGIN ABUTMENT. SEE DRAWING NO. ST-19 FOR REINFORCEMENT DETAILS.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK · DANIEL A LEVINE · LICENSED PROFESSIONAL ENGINEER · 097330

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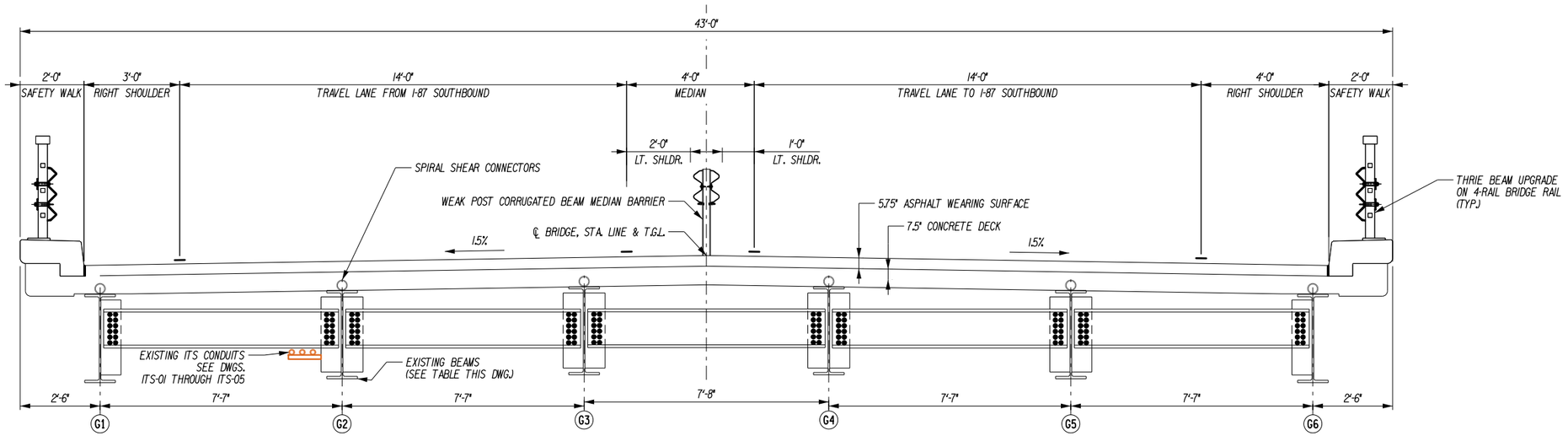
DATE	DESCRIPTION	BY	SYM.

M.P. 113.89, BIN 5513230

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: END ABUTMENT (SHEET 2 OF 2)	DRAWING NUMBER: ST-27



EXISTING TYPICAL BRIDGE SECTION

SCALE: 1/4" = 1-0"

(LOOKING UPSTATION)

EXISTING BEAMS		
SPAN	FASCIA	INTERIOR
1	W36 X 230 & COVERPLATE 10"X3⁄8" 63'-7" LONG	W36 X 230
2	W36 X 230 & COVERPLATE 10"X3⁄8" 69'-1" LONG	W36 X 230 & COVERPLATE 10"X3⁄8" 48'-0" LONG

NOTES:

1. REFER TO DWG. TYP-01 AND TYP-02 FOR EXISTING ROADWAY AND APPROACH SECTIONS.

M.P. 113.89, BIN 5513230

DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE
PW:/

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

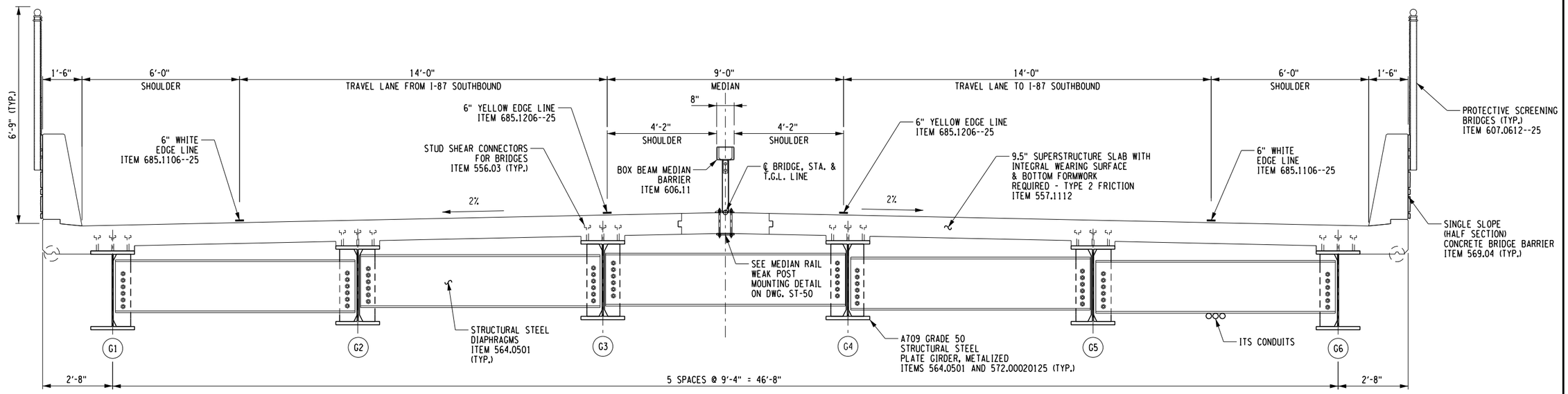
STATE OF NEW YORK ★ CHRISTINE WAGNER ★ No. 094496 ★ LICENSED PROFESSIONAL ENGINEER

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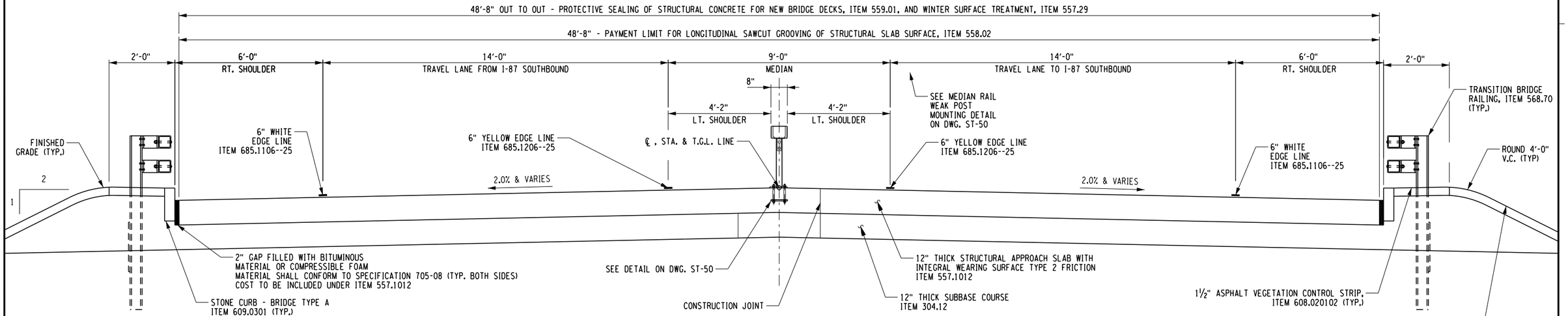
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: EXISTING TYPICAL SECTIONS	DRAWING NUMBER: ST-28



PROPOSED TYPICAL BRIDGE SECTION

SCALE: 1" = 4'-0"

(LOOKING UP STATION)



PROPOSED TYPICAL APPROACH SECTION

SCALE: 1" = 4'-0"

(LOOKING UP STATION)

NOTES:

1. DISTURBED AREAS & NEW EMBANKMENTS SHALL BE COVERED WITH 4" MIN. OF TOPSOIL AND TURF ESTABLISHED. TOP SOIL AND TURF SHALL BE PAID FOR UNDER ITEM 610.1402 AND ITEM 610.1601 RESPECTIVELY.
2. VARY CROSS SLOPES TO MATCH EXISTING AT LIMITS OF WORK.

TURF ESTABLISHMENT - ROADSIDE
ITEM 610.1601 (TYP.)
4" TOPSOIL - ROADSIDE
ITEM 610.1402

M.P. 113.89, BIN 5513230

DESIGN SUPERVISOR: D. LIVERMORE
DRAFTED BY: C. WAGNER
DESIGNED BY:
CHECKED BY:
CHECKED BY:

ALTERED ON:	AFFIXED ON: 09/15/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK CHRISTINE WAGNER LICENSED No. 094496 PROFESSIONAL ENGINEER

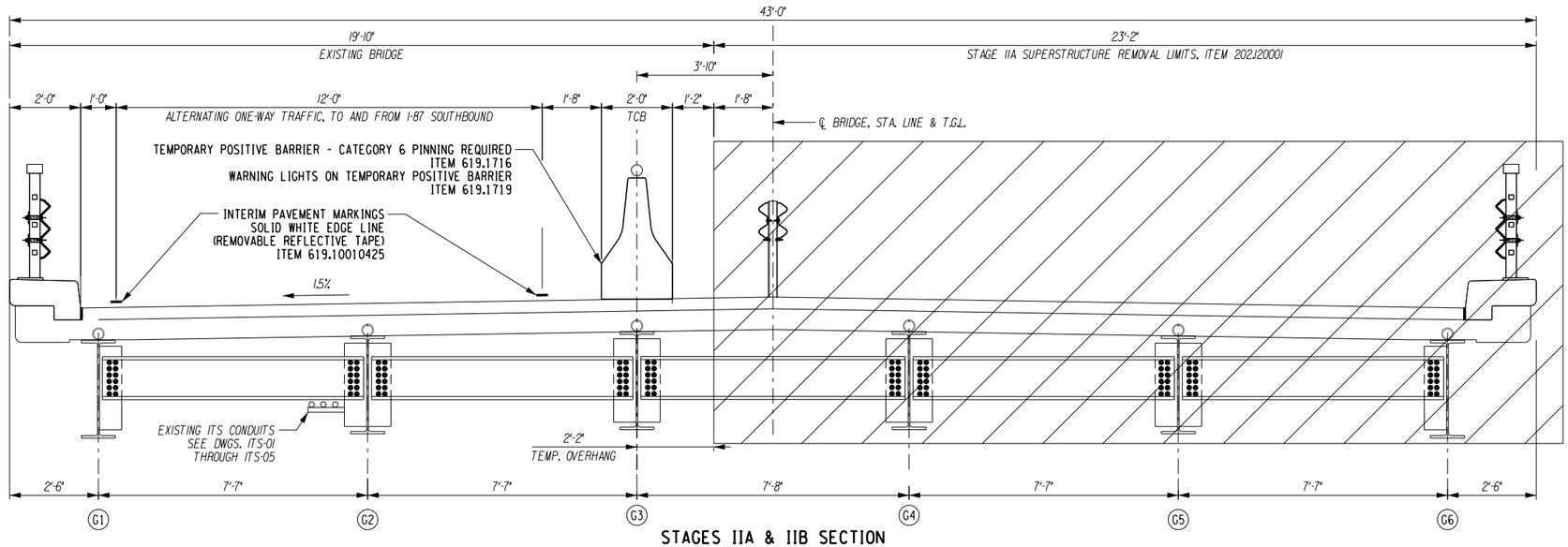
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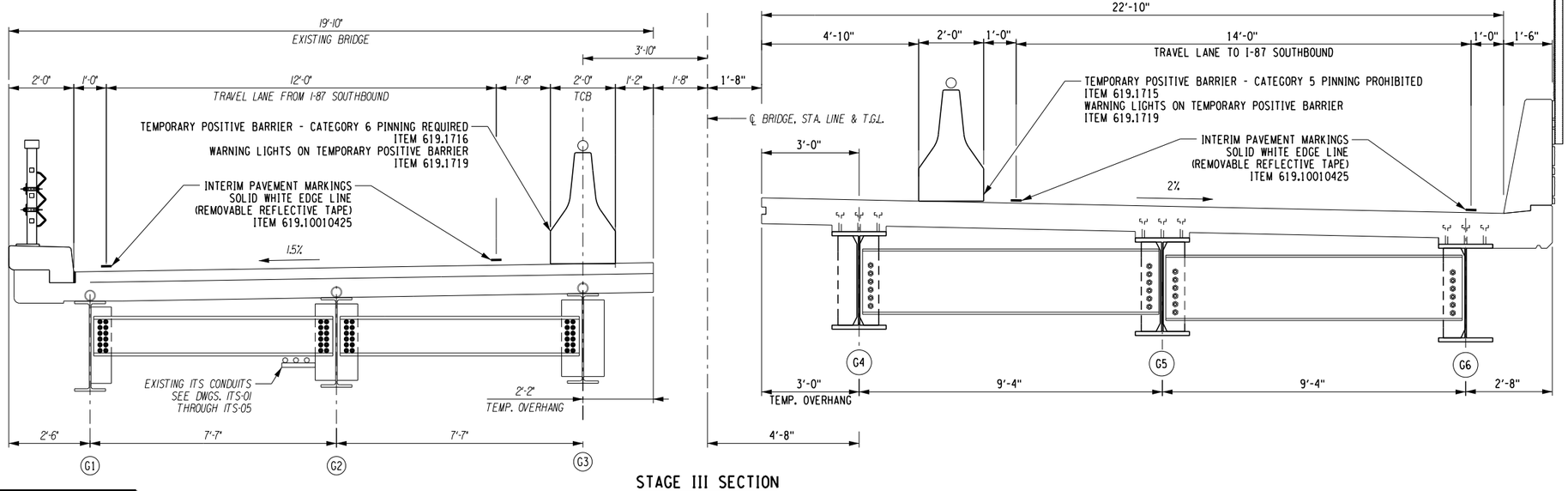
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PROPOSED TYPICAL SECTIONS	DRAWING NUMBER: ST-29



STAGES IIA & IIB SECTION

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



STAGE III SECTION

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

NOTES:

1. NO WORK IS TO BE PERFORMED ON THE BRIDGE DURING STAGE I. SEE DWGS. TC-07 THROUGH TC-09 AND TC-20.
2. STAGE IIA REMOVES THE NORTH (RIGHT) SIDE OF THE EXISTING BRIDGE.
3. STAGE IIB CONSTRUCTS THE NORTH (RIGHT) SIDE OF THE PROPOSED BRIDGE.
4. STAGE III IS FOR WINTER SHUTDOWN. NO WORK IS TO BE PERFORMED ON THE BRIDGE DURING STAGE III.

M.P. 113.89, BIN 5513230

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 09/15/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK CHRISTINE WAGNER LICENSED No. 094496 PROFESSIONAL ENGINEER

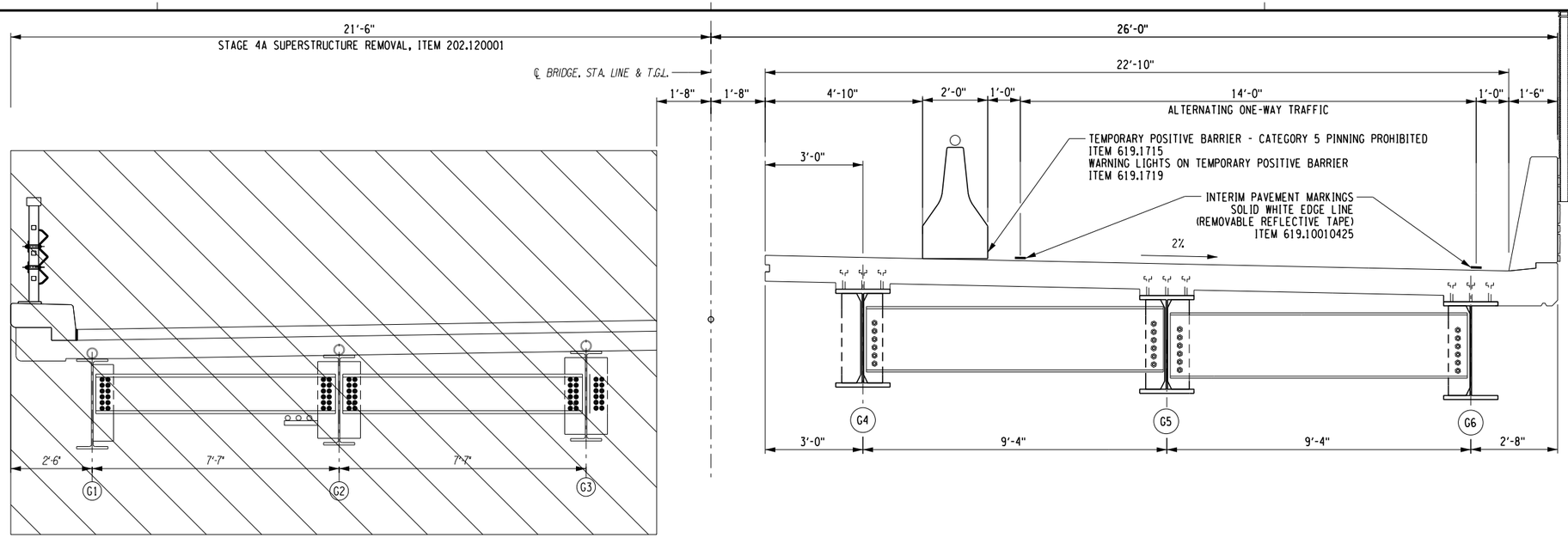
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

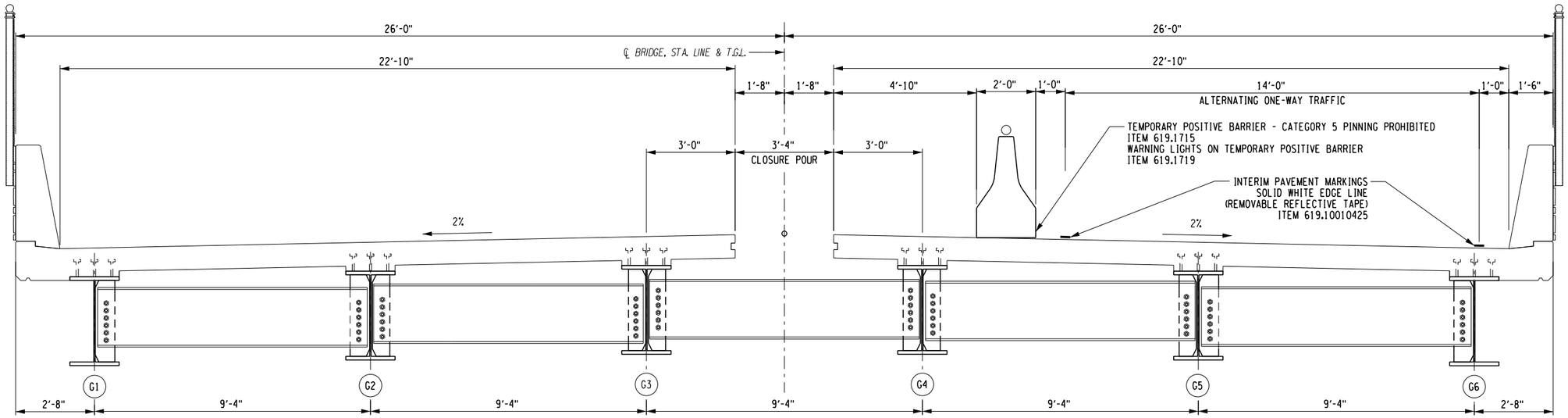
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BRIDGE STAGE SECTIONS (SHEET 1 OF 2)	DRAWING NUMBER: ST-30



STAGES IVA & IVB

SCALE: 1/4" = 1-0"
(LOOKING UP STATION)



STAGE IVC SECTION

SCALE: 1/4" = 1-0"
(LOOKING UP STATION)

NOTES:

1. STAGE IVA REMOVES THE SOUTH (LEFT) SIDE OF THE EXISTING BRIDGE.
2. STAGE IVB CONSTRUCTS THE SOUTH (LEFTT) SIDE OF THE PROPOSED BRIDGE.
3. STAGE IVC PLACES THE CLOSURE POUR.
4. STAGE V PLACES THE BOX BEAM MEDIAN BARRIER UTILIZING STANDARD SHOULDER CLOSURE WZTC SHEETS. SEE DWG. TC-20.

M.P. 113.89, BIN 5513230

DESIGN SUPERVISOR: D. LIVERMORE
DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
PW:/

ALTERED ON:	AFFIXED ON: 09/15/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · LICENSED PROFESSIONAL ENGINEER

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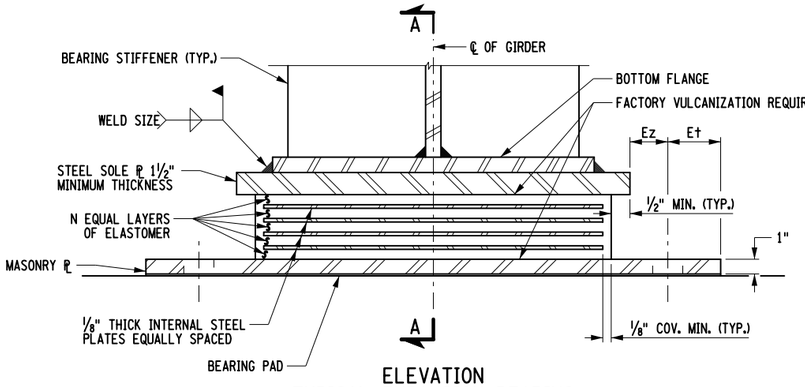
REVISIONS

DATE	DESCRIPTION	BY	SYM.

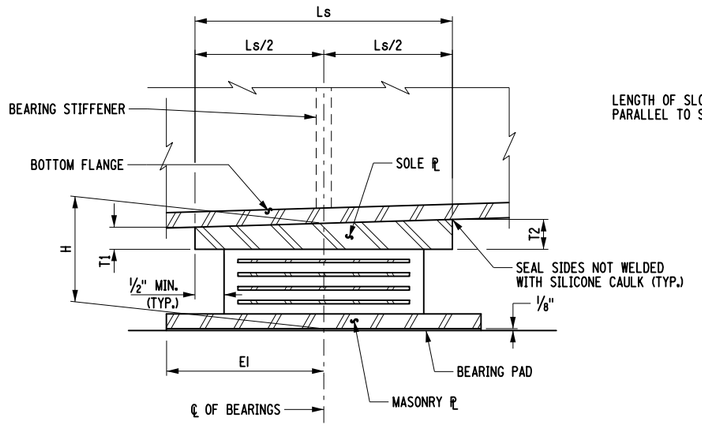
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BRIDGE STAGE SECTIONS (SHEET 2 OF 2)	DRAWING NUMBER: ST-31

PW:
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGNED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE

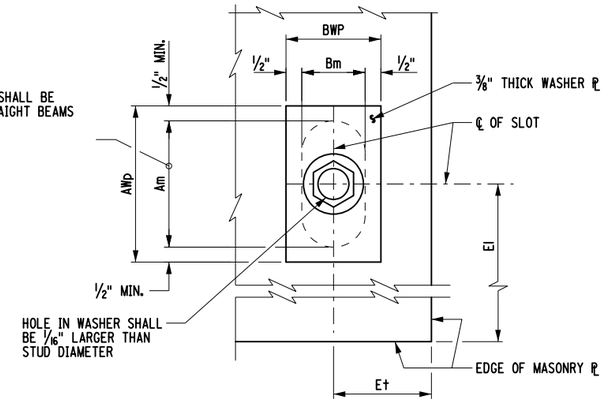


ELEVATION
TYPICAL EXPANSION BEARING

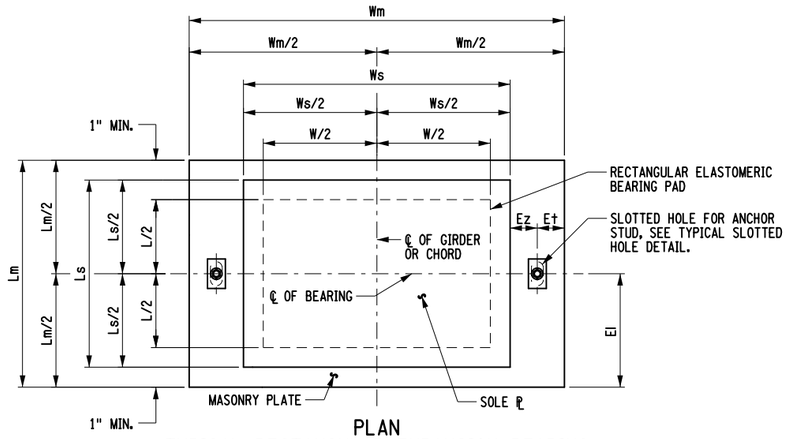


SECTION A-A

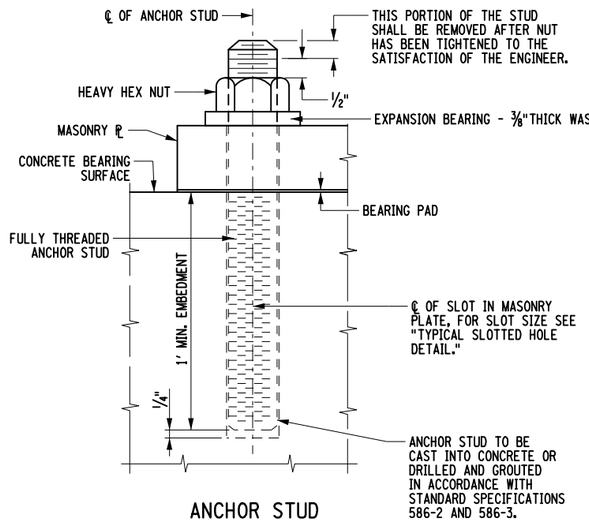
LENGTH OF SLOT SHALL BE PARALLEL TO STRAIGHT BEAMS



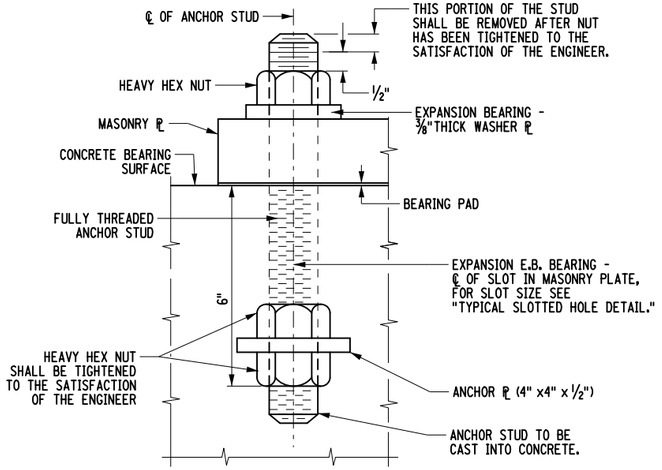
TYPICAL SLOTTED HOLE DETAIL
MASONRY PLATE



PLAN
TYPICAL RECTANGULAR EXPANSION BEARING



ANCHOR STUD



ANCHOR STUD WITH ANCHOR PLATE

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 ⅜". 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.

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.

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE:
S1



EXPANSION ELASTOMERIC BEARING (TYPE E.B.) TABLE

LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (kips)	L.L. WITHOUT IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYER					hrt	COMP. AREA (SQ. in.)	SHEAR AREA (SQ. in.)	MASONRY PLATE							ANCHOR STUDS		WELD SIZE	WASHER PLATE		SOLE PLATE				BRG. H
							THK/LAYER	NO. LAYERS	L	W	D				Wm	Lm	Tm	Et	El	Ez	Am	Bm	DIA.	STUDS/BRG.		AWp	BWp	Ws	Ls	T1	T2	
BEGIN	565.2034	6	76	77	154	7.47	0.5	4	14	16	-	2.0	217	224	26	16	1	2	8	1.5	2.5	1.375	1	2	5/16	3.5	2.375	19	15	1.5	1.86	5.055
PIER	565.2035	6	232	140	372	9.47	0.5	5	18	20	-	2.5	351	360	28	20	1	2	10	1.5	2.5	1.375	1	2	5/16	3.5	2.375	21	19	1.5	1.74	5.617
END	565.2034	6	96	81	178	7.47	0.5	4	14	16	-	2.0	217	224	26	16	1	2	8	1.5	2.5	1.375	1	2	5/16	3.5	2.375	19	15	1.5	1.50	4.875

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

T2 IS UPSTATION OF T1.

M.P. 113.89, BIN 5513230

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

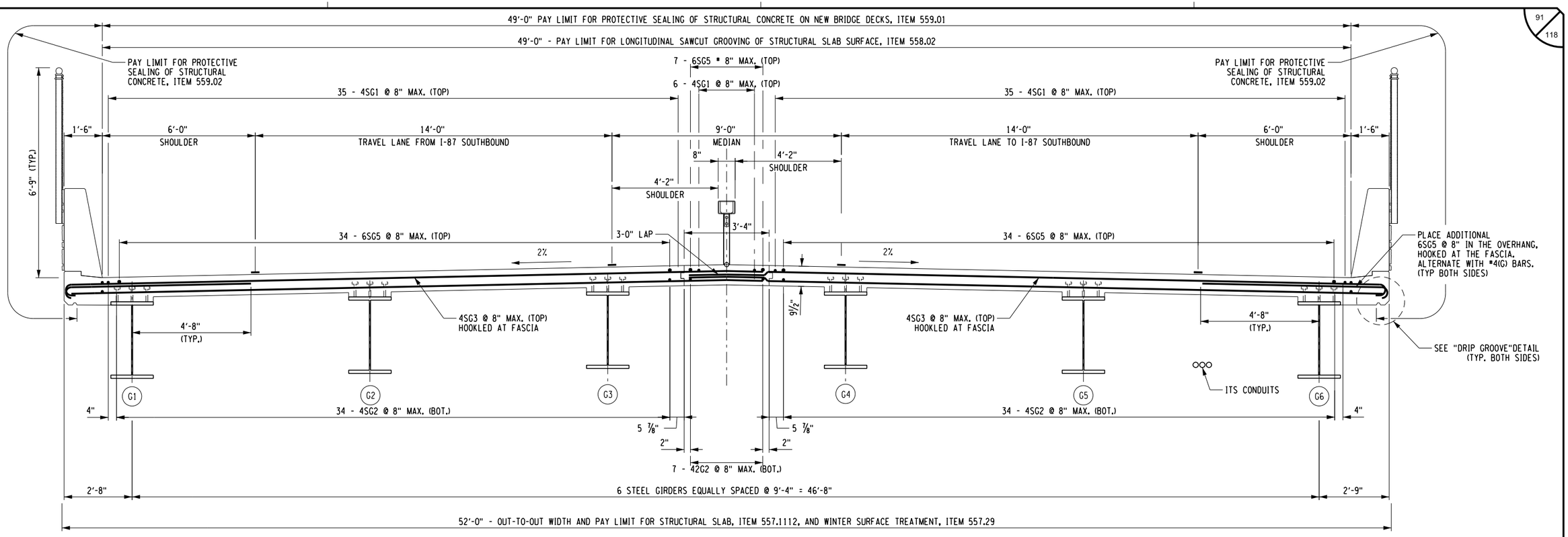
LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
PROPOSED ELASTOMERIC EXPANSION BEARING DETAILS

CONTRACT NUMBER: TAA 25-21B

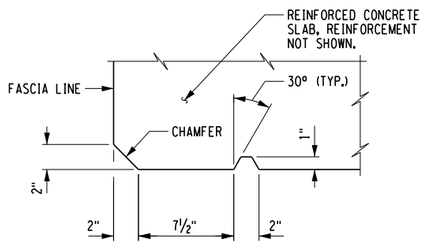
DATE: 08/26/2025

DRAWING NUMBER: ST-32



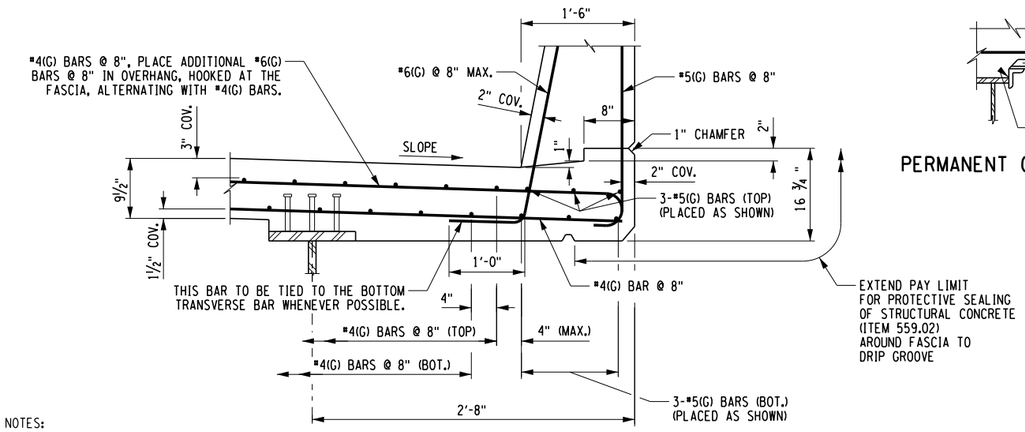
TRANSVERSE BRIDGE SECTION

SCALE: 1" = 4'-0"



DRIP GROOVE DETAIL

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

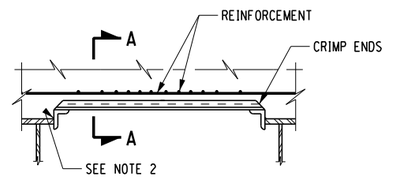


FASCIA DETAIL

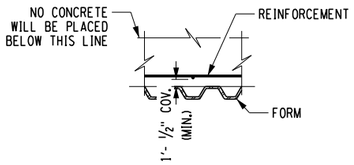
NOTES:

(G) DENOTES GALVANIZED BARS.

(G#) - INDICATES GIRDER NUMBER.



PERMANENT CORRUGATED METAL FORM DETAIL



SECTION A-A

FORM UNIT NOTES:

1. THE COST OF THE FORMING SYSTEMS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SUPERSTRUCTURE SLAB CONCRETE ITEM.
2. TACK WELDS SHALL BE ALLOWED IN THE COMPRESSION AREA OF THE STRINGER'S TOP FLANGE ONLY. FOR CONTINUOUS STRUCTURES, SEE STRINGER DETAILS FOR LIMITS OF TENSION ZONES FOR THE TOP FLANGE. WELDING SHALL CONFORM TO SECTION 7 OF THE N.Y.S. STEEL CONSTRUCTION MANUAL. (⅛" DIA. E7018 OR E8018-C3 ELECTRODES, PROPERLY CONDITIONED, SHALL BE USED.)
3. THERE SHALL BE NO WELDING TO GALVANIZED OR METALIZED GIRDER SURFACES FOR THE ATTACHMENT OF FORMING DEVICES.
4. THE SUPPORT ANGLES AND/OR ZEES SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.

M.P. 113.89, BIN 5513230

PW:/

CHECKED BY: B. WARTHLING

DRAFTED BY: C. WAGNER

CHECKED BY: B. WARTHLING

DESIGNED BY: C. WAGNER

DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 09/15/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · 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.

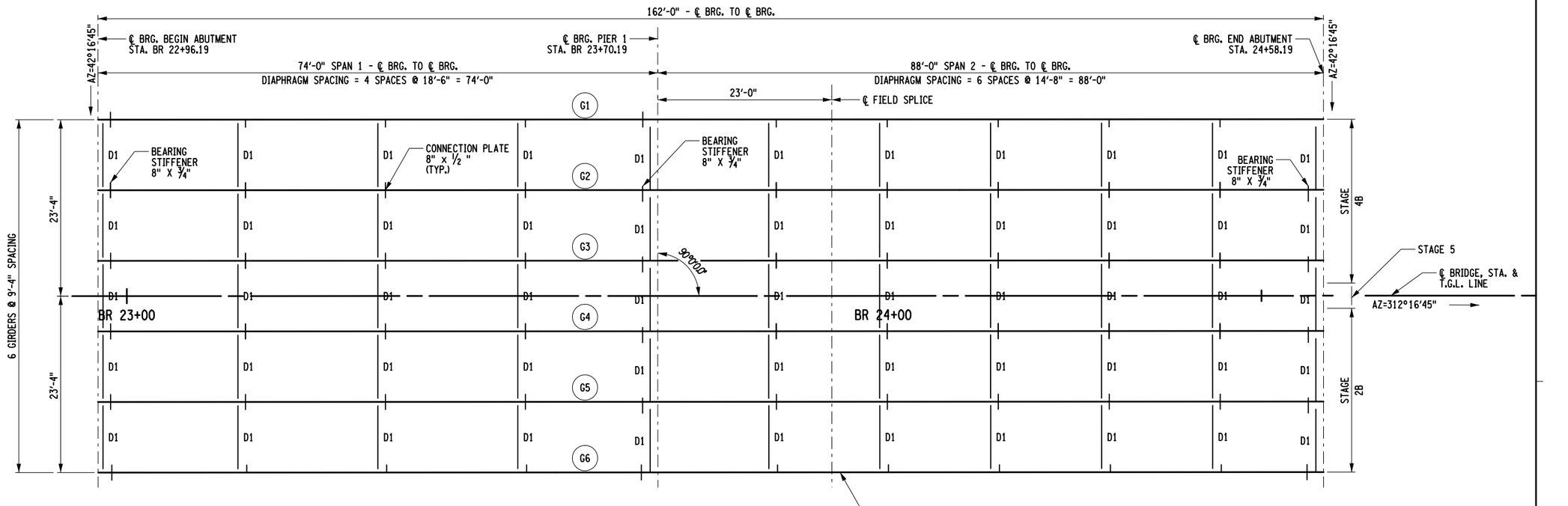
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: DECK REINFORCEMENT SECTIONS	DRAWING NUMBER: ST-33

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE

GRID NORTH



FRAMING PLAN

NOT TO SCALE

NOTES:

(G*) DENOTES GIRDER NUMBER.

NOTES

1. ALL STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 50.
2. FOR DIAPHRAGM DETAILS AND NOTES, SEE DWG. ST-37.
3. FOR CONNECTION PLATE, BEARING STIFFENER, AND GIRDER SUPPORT DETAILS, SEE DWG. ST-35.
4. FOR BOLTED FIELD SPLICE DETAILS AND NOTES, SEE DWG. ST-36.
5. ALL BOLTED CONNECTIONS SHALL BE MADE USING ⅞" DIA. ASTM F3125 GRADE 325 TYPE 1 H.D.G. H.S. BOLTS IN 15/16" DIA. HOLES, UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL VERIFY THE VERTICAL CLEARANCE UNDER THE NEW STRUCTURE PRIOR TO PLACING ANY DECK FORMING. THIS MEASUREMENT SHALL BE TAKEN AT THE POINT OF MINIMUM VERTICAL CLEARANCE SHOWN ON THE FRAMING PLAN ABOVE & THE BRIDGE PLAN AND ELEVATION (SEE DWG. ST-02) AND SHOULD INCLUDE DEDUCTIONS FOR DEAD LOAD AND SUPERIMPOSED DEAD LOAD DEFLECTIONS.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK
CHRISTINE WAGNER
No. 094496
LICENSED PROFESSIONAL ENGINEER

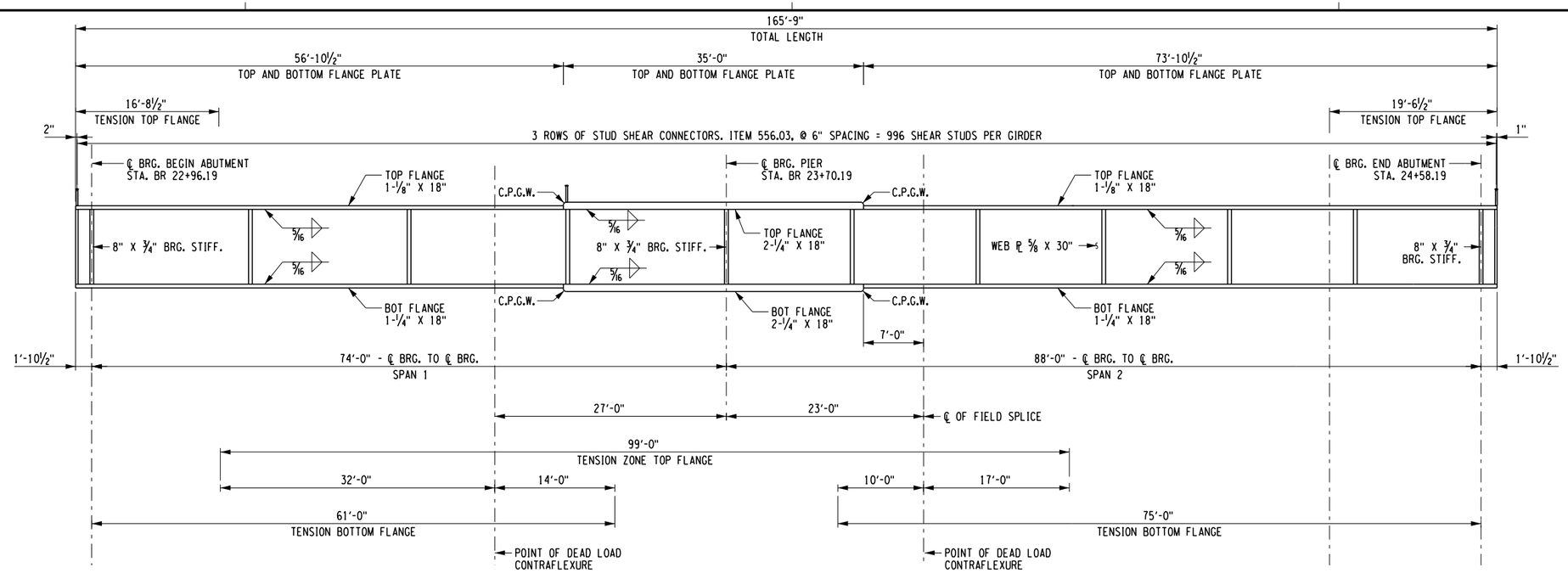
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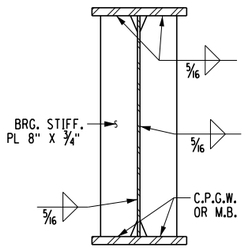
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: FRAMING PLAN	DRAWING NUMBER: ST-34

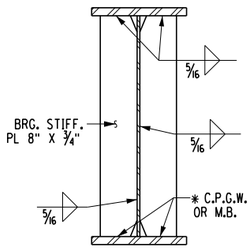


GIRDER ELEVATION

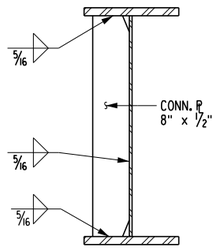
NOT TO SCALE



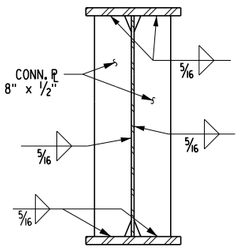
BEARING STIFFENER
AT ABUTMENT



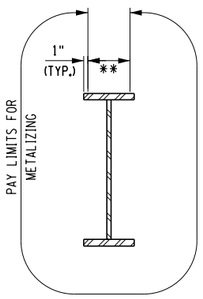
BEARING STIFFENER
AT PIER



FASCIA GIRDER
CONNECTION ℙ



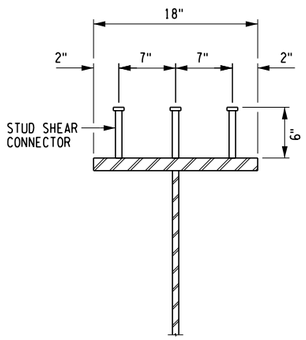
INTERIOR GIRDER
CONNECTION ℙ



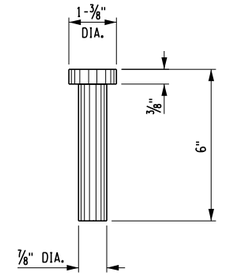
METALIZING LIMITS

NOT TO SCALE

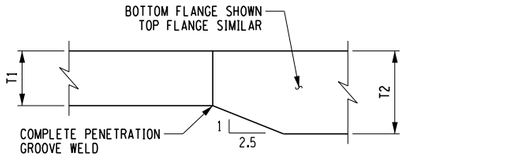
** COAT THIS AREA WITH AN ORGANIC ZINC PRIMER CONFORMING TO NYSDOT MATERIAL SPECIFICATION 708 01 OR 708-02. PRIME COAT SHALL BE APPLIED AT A THICKNESS BETWEEN 0.5 AND 1.5 MILS. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE METALIZING ITEM.



STUD SHEAR
CONNECTOR DETAIL



STUD DETAIL



NOTE: T2 SHALL BE ≤ 2(T1).

FLANGE THICKNESS TAPER

NOTES:

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

M.B. = MILL TO BEAR

UNLESS SHOWN IN THESE DETAILS, THERE SHALL BE NO WELDING WITHIN THE TENSION ZONES. THE ATTACHMENT OF FORMING DEVICES OR OTHER CONSTRUCTION AIDS BY WELDING WITHIN THE TENSION AREA SHOWN IS PROHIBITED.

THERE SHALL BE NO WELDING TO GALVANIZED OR METALIZED GIRDERS FOR THE ATTACHMENT OF FORMING DEVICES.

THE ENDS OF ALL GIRDERS AND THE BEARING STIFFENERS SHALL BE VERTICAL UNDER FULL DEAD LOAD. ALL CONNECTION PLATES AND INTERMEDIATE STIFFENERS MAY BE PERPENDICULAR TO THE TOP FLANGES.

SEE DWGS. ST-20 AND ST-21 FOR END PLATE DETAILS.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 09/15/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · 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.

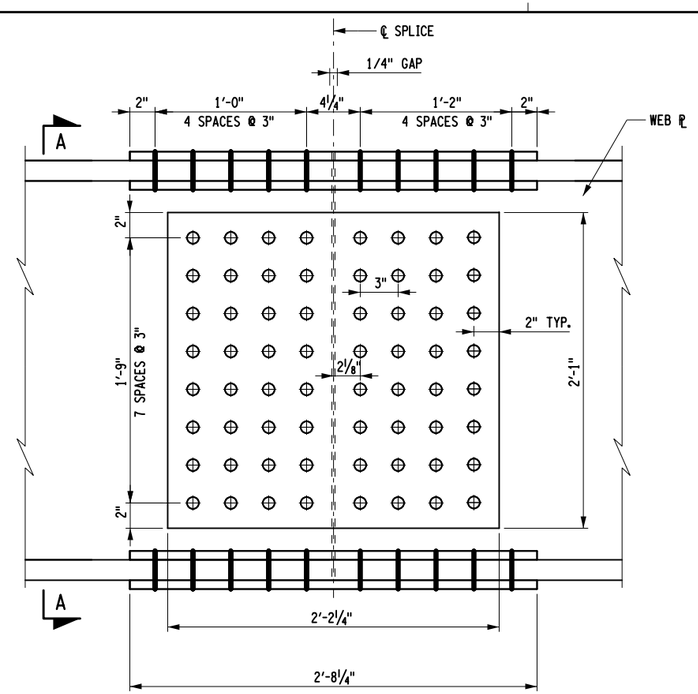
REVISIONS

DATE	DESCRIPTION	BY	SYM.

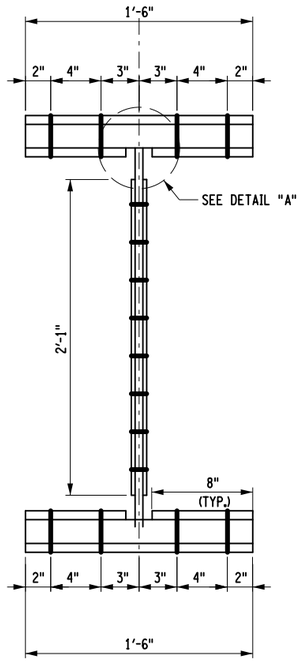
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: GIRDER ELEVATION	DRAWING NUMBER: ST-35

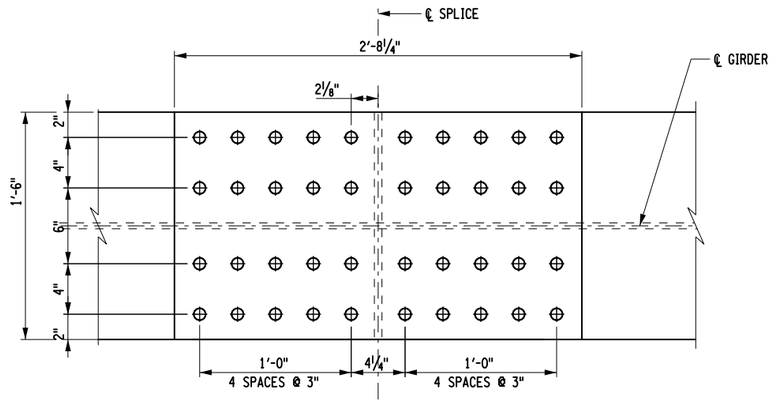
PW:/
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
DESIGNED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE
B. WARTHLING



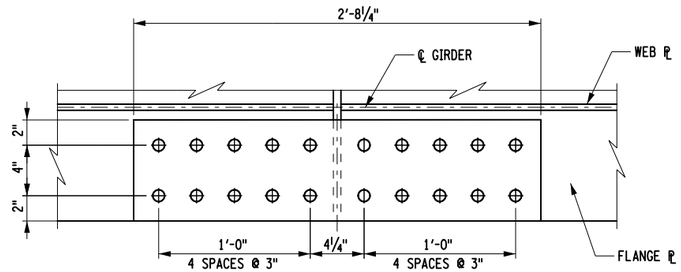
WEB SPLICE DETAIL
SCALE: 1" = 1'-0"



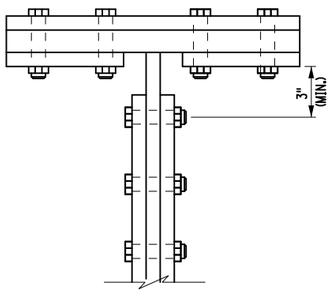
SECTION A-A
SCALE: 1" = 1'-0"



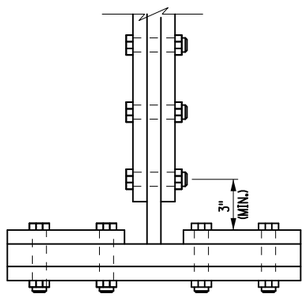
TOP AND BOTTOM FLANGE OUTSIDE SPLICE PLATE
SCALE: 1" = 1'-0"



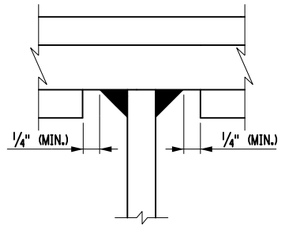
TOP AND BOTTOM FLANGE INSIDE SPLICE PLATE
SCALE: 1" = 1'-0"



TOP FLANGE



BOTTOM FLANGE



DETAIL "A"

⅞" DIAMETER BOLT ENTERING AND TIGHTENING CLEARANCES

	TOP FLANGE SPLICE	BOTTOM FLANGE SPLICE	WEB SPLICE
SPLICE ℙ	1 - PL 7/8" X 18" X 32- ¼" 2 - PL 7/8" X 8" X 32- ¼"	1 - PL 7/8" X 18" X 32- ¼" 2 - PL 7/8" X 8" X 32- ¼"	2 - PL 5/8" X 25" X 26- ¼"
NO. OF BOLTS	20 EACH SIDE	20 EACH SIDE	28 EACH SIDE

GIRDER SPLICE NOTES:

ALL COSTS FOR BOLTS, NUTS, AND WASHERS SHALL BE INCLUDED IN THE PRICE BID FOR STRUCTURAL STEEL.

SPLICE DESIGNS ARE BASED ON THE LOCATIONS INDICATED. THE CONTRACTOR HAS THE OPTION OF USING ALTERNATE SPLICE LOCATIONS. HOWEVER, RELOCATION REQUESTS MUST BE SUBMITTED TO THE D.C.E.S. FOR APPROVAL. FIELD SPLICE REVISIONS DUE TO SPLICE RELOCATION SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR RELOCATING THE SPLICE. FABRICATION SHALL CONFORM TO THE CURRENT NEW YORK STATE STEEL CONSTRUCTION MANUAL.

ALL SPLICE PLATES SHALL CONSIST OF THE SAME GRADE OF STEEL AS THE MEMBER(S) BEING SPLICED AND THEIR COST INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL.

SUBJECT TO D.C.E.S. APPROVAL, THE CONTRACTOR CAN PROPOSE THE USE OF A WELDED SPLICE. HOWEVER, ALL COSTS ASSOCIATED WITH THIS CHANGE WILL BE AT THE CONTRACTOR'S EXPENSE. ADDITIONALLY, A DETAILED WELDING PROCEDURE, AS PER NYS STEEL CONSTRUCTION MANUAL 203.5(B), OF THE NYS STEEL CONSTRUCTION MANUAL SHALL BE SUBMITTED TO THE D.C.E.S. FOR APPROVAL.

BOLT LOCATIONS SHOWN MAY HAVE TO BE MOVED LATERALLY ON THEIR FLANGE TO MEET SEALING REQUIREMENTS AS DESCRIBED IN SECTION 203.14 OF THE NYS STEEL CONSTRUCTION MANUAL.

BOLTS, NUTS & WASHERS:

ALL BOLTS SHALL BE ⅞" DIAMETER, UNLESS NOTED OTHERWISE.

BOLTS SHALL BE ASTM F3125, GRADE A325, TYPE 1 (HOT DIPPED GALVANIZED).

NUTS SHALL BE A563, GRADE DH (HOT DIPPED GALVANIZED); OR A194, GRADE 2H (HOT DIP GALVANIZED).

WASHERS SHALL BE F436, (HOT DIPPED GALVANIZED).

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

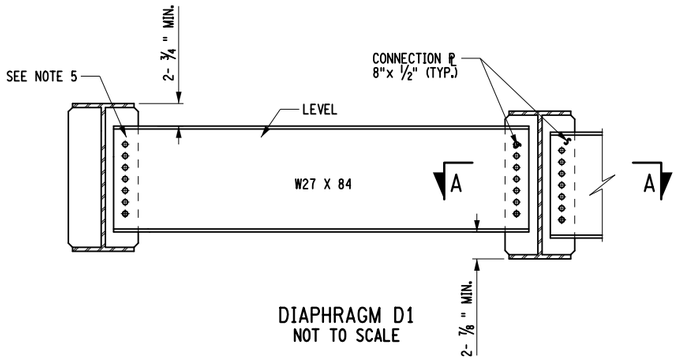
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: SPLICE PLATE DETAILS

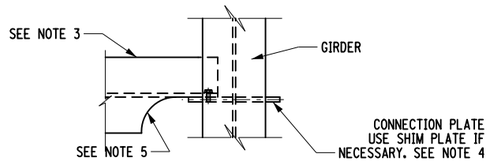
CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-36

PW:/
DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE
CHECKED BY: B. WARTHLING

08/26/2025 12:33:14 PM A72194_cpb_dtl_stl_01



DIAPHRAGM D1
NOT TO SCALE



SECTION A-A
NOT TO SCALE

NOTES:

1. CONNECTIONS SHALL BE MADE ACCORDING TO THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
2. UNLESS OTHERWISE INDICATED, BOLTED CONNECTIONS SHALL BE MADE WITH ⅞" DIA. ASTM F3125, GRADE A325 HIGH-STRENGTH BOLTS.
3. THE CONTRACTOR MAY PLACE DIAPHRAGMS ON EITHER SIDE OF THE BEARING STIFFENERS OR CONNECTION PLATES AS NECESSARY FOR CORRECT ALIGNMENT, PROVIDED THERE WILL BE NO INTERFERENCE WITH OTHER STRUCTURAL DETAILS.
4. TAPERED OR FLAT SHIM PLATES MAY BE USED IN THE CONNECTION BETWEEN SKEWED DIAPHRAGMS AND THE BEARING STIFFENERS, STIFFENER CONNECTION PLATES OR GUSSET PLATES. VARIABLE THICKNESSES OF SHIM PLATES MAY BE USED. THE MINIMUM THICKNESS OF SHIM PLATE SHALL BE ⅛" WITH A MAXIMUM NUMBER OF THREE SHIM PLATES PERMITTED AT ANY CONNECTION. THE TOTAL THICKNESS OF ALL SHIM PLATES USED AT ANY CONNECTION SHALL NOT EXCEED 1". SHIM PLATES SHALL HAVE THE DIMENSIONS OF THE FAYING SURFACE. THE SHIM MATERIAL SHALL CONFORM TO ASTM DESIGNATION A709(W) FOR WEATHERING STEEL APPLICATIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR FURNISHING AND PLACING THE SHIM PLATES.
5. DIAPHRAGM MEMBERS SHALL BE BLOCKED AS SHOWN, WITH THEIR FLANGE CUT BACK ON ONE SIDE, AND CHIPPED OR GROUND FLUSH. IN LIEU OF BLOCKING THE DIAPHRAGM MEMBER, THE FABRICATOR SHALL HAVE THE OPTION OF COPING THE FLANGE.
6. FOR LONGITUDINAL JOINTS AT STAGE CONSTRUCTION LINES, ONLY ONE SIDE OF THE INTERMEDIATE DIAPHRAGMS UNDER THE JOINT SHALL BE CONNECTED WHEN ERECTED. AFTER ALL PORTIONS OF THE NEWER DECK HAVE BEEN POURED (INSTALLED FOR PRECAST DECK PANELS) AND SET TO THE SATISFACTION OF THE ENGINEER, THE OTHER SIDE OF THE DIAPHRAMS SHALL BE CONNECTED AND THE CLOSURE JOINT PLACED.
7. ALL BOLT HEADS SHALL BE PLACED ON THE TOP SIDE OF CONNECTIONS UNLESS OTHERWISE NOTED.

M.P. 113.89, BIN 5513230

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK
CHRISTINE WAGNER
No. 094496
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: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: DIAPRHAGM DETAILS	DRAWING NUMBER: ST-37

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
G1 FASCIA GIRDER	D.L	MOMENT	0	182	297	343	320	229	69	-159	-458	-832	-1280	-1280	-702	-231	138	411	586	663	644	526	311	0
		SHEAR	29	20	11	1	-8	-17	-26	-35	-45	-56	-66	72	60	47	37	25	14	3	-8	-19	-30	-41
	S.D.L	MOMENT	0	87	142	166	158	119	48	-55	-189	-355	-552	-552	-296	-84	83	205	283	316	304	247	146	0
		SHEAR	14	10	5	1	-3	-7	-12	-16	-20	-25	-29	32	27	22	16	11	6	1	-4	-9	-14	-19
	HL-93 (+)	MOMENT	0	483	814	1002	1087	1063	953	736	438	183	0	0	169	430	807	1099	1268	1316	1232	1004	599	0
		SHEAR	76	64	52	42	32	24	16	10	6	2	0	93	85	75	65	55	44	33	23	15	8	7
	HL-93 (-)	MOMENT	0	-102	-204	-306	-408	-510	-613	-715	-817	-1028	-1491	-1491	-922	-527	-451	-387	-322	-258	-193	-129	-64	0
		SHEAR	-14	-14	-16	-23	-32	-42	-52	-62	-71	-80	-89	0	-2	-5	-10	-16	-23	-32	-43	-54	-66	-79

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
G2 INTERIOR GIRDER	D.L	MOMENT	0	209	342	394	367	263	77	-187	-531	-962	-1477	-1477	-811	-266	162	476	680	768	745	609	360	0
		SHEAR	33	23	13	2	-9	-20	-30	-41	-53	-64	-75	82	69	55	42	29	16	4	-9	-22	-35	-47
	S.D.L	MOMENT	0	87	143	167	159	120	49	-54	-188	-354	-552	-552	-295	-83	84	206	283	316	304	248	146	0
		SHEAR	14	10	5	1	-3	-7	-12	-16	-20	-25	-29	32	27	22	16	11	6	1	-4	-9	-14	-19
	HL-93 (+)	MOMENT	0	456	769	947	1027	1004	900	713	424	178	0	0	164	416	727	991	1144	1187	1111	905	540	0
		SHEAR	92	77	64	51	39	29	20	13	7	3	0	113	103	92	79	67	54	40	27	18	9	9
	HL-93 (-)	MOMENT	0	-97	-193	-290	-387	-484	-580	-695	-795	-1000	-1450	-1450	-897	-512	-408	-349	-291	-233	-175	-116	-58	0
		SHEAR	-17	-17	-19	-28	-38	-51	-63	-75	-87	-98	-108	0	-2	-6	-12	-19	-28	-39	-52	-65	-80	-96

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	178	290	335	312	224	65	-159	-452	-819	-1259	-1259	-691	-226	138	406	579	654	635	519	307	0
		SHEAR	28	20	11	1	-8	-17	-26	-35	-45	-55	-64	70	59	47	36	25	14	3	-8	-18	-30	-40
	S.D.L	MOMENT	0	87	143	166	159	119	48	-55	-189	-355	-552	-552	-296	-84	83	205	283	316	304	247	146	0
		SHEAR	14	10	5	1	-3	-7	-12	-16	-20	-25	-29	32	27	22	16	11	6	1	-4	-9	-14	-19
	HL-93 (+)	MOMENT	0	466	786	967	1049	1026	919	731	435	182	0	0	168	427	744	1013	1169	1213	1135	925	552	0
		SHEAR	92	77	64	51	39	29	20	13	7	3	0	113	103	92	79	67	54	40	27	18	9	9
	HL-93 (-)	MOMENT	0	-99	-197	-296	-394	-493	-592	-711	-813	-1022	-1483	-1483	-917	-524	-416	-356	-297	-238	-178	-119	-59	0
		SHEAR	-17	-17	-19	-28	-38	-51	-63	-75	-87	-98	-108	0	-2	-6	-12	-19	-28	-39	-52	-65	-80	-96

MOMENTS AND SHEARS ARE UNFACTORED AND INCLUDE IMPACT
MOMENTS ARE EXPRESSED AS Kip-Feet
SHEARS ARE EXPRESSED AS Kips

DESIGN LOAD TABLE			
GIRDER1		UNIT	LOAD K/ft.
D.L	GIRDER		0.249
	S.I.P. FORMS		0.019
	HAUNCH		0.122
	DIAPHRAGMS		0.027
	SLAB		0.870
	UTILITIES		0.000
	TOTAL		1.287
S.D.L	CONC. BARRIER		0.208
	MEDIAN RAIL		0.008
	FUTURE W.S.		0.163
	CLOSURE POUR		0.198
	TOTAL		0.577

DESIGN LOAD TABLE			
GIRDER2		UNIT	LOAD K/ft.
D.L	GIRDER		0.249
	S.I.P. FORMS		0.037
	HAUNCH		0.038
	DIAPHRAGMS		0.053
	SLAB		1.108
	UTILITIES		0.000
	TOTAL		1.486
S.D.L	CONC. BARRIER		0.208
	MEDIAN RAIL		0.008
	FUTURE W.S.		0.163
	CLOSURE POUR		0.198
	TOTAL		0.578

DESIGN LOAD TABLE			
GIRDER3		UNIT	LOAD K/ft.
D.L	GIRDER		0.249
	S.I.P. FORMS		0.019
	HAUNCH		0.037
	DIAPHRAGMS		0.053
	SLAB		0.910
	UTILITIES		0.000
	TOTAL		1.269
S.D.L	CONC. BARRIER		0.208
	MEDIAN RAIL		0.008
	FUTURE W.S.		0.163
	CLOSURE POUR		0.198
	TOTAL		0.578

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: MOMENT, SHEAR, & LOAD TABLES (1 OF 2)	DRAWING NUMBER: ST-38

PW:/ CHECKED BY: B. WARTHLING DRAFTED BY: C. WAGNER DESIGNED BY: C. WAGNER DESIGN SUPERVISOR: D. LIVERMORE

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	178	290	335	312	224	65	-159	-452	-819	-1259	-1259	-691	-226	138	406	579	654	635	519	307	0
		SHEAR	28	20	11	1	-8	-17	-26	-35	-45	-55	-64	70	59	47	36	25	14	3	-8	-18	-30	-40
	S.D.L	MOMENT	0	87	143	166	159	119	48	-54	-189	-355	-552	-552	-296	-84	83	205	283	316	304	247	146	0
		SHEAR	14	10	5	1	-3	-7	-12	-16	-20	-25	-29	32	27	22	16	11	6	1	-4	-9	-14	-19
	HL-93 (+)	MOMENT	0	456	769	947	1027	1005	900	714	425	178	0	0	164	417	728	992	1144	1188	1111	906	540	0
		SHEAR	92	77	64	51	39	29	20	13	7	3	0	113	103	92	79	67	54	40	27	18	9	9
	HL-93 (-)	MOMENT	0	-97	-193	-290	-386	-483	-579	-694	-793	-998	-1447	-1447	-895	-512	-407	-349	-291	-233	-174	-116	-58	0
		SHEAR	-17	-17	-19	-28	-38	-51	-63	-75	-87	-98	-108	0	-2	-6	-12	-19	-28	-39	-52	-65	-80	-96

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	211	345	398	371	266	77	-189	-537	-972	-1492	-1492	-819	-269	163	481	687	776	753	616	364	0
		SHEAR	34	23	13	2	-9	-20	-31	-41	-53	-65	-76	83	70	55	43	30	16	4	-9	-22	-35	-48
	S.D.L	MOMENT	0	87	143	167	159	120	49	-54	-188	-354	-551	-551	-295	-83	84	206	283	316	304	247	146	0
		SHEAR	14	10	5	1	-3	-7	-12	-16	-20	-25	-29	32	27	22	16	11	6	1	-4	-9	-14	-19
	HL-93 (+)	MOMENT	0	456	769	947	1027	1004	900	713	424	178	0	0	164	416	727	991	1144	1187	1111	905	540	0
		SHEAR	92	77	64	51	39	29	20	13	7	3	0	113	103	92	79	67	54	40	27	18	9	9
	HL-93 (-)	MOMENT	0	-97	-193	-290	-387	-484	-580	-695	-795	-1000	-1450	-1450	-897	-512	-408	-349	-291	-233	-175	-116	-58	0
		SHEAR	-17	-17	-19	-28	-38	-51	-63	-75	-87	-98	-108	0	-2	-6	-12	-19	-28	-39	-52	-65	-80	-96

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
G6 FASCIA GIRDER	D.L	MOMENT	0	184	301	347	324	232	70	-161	-463	-841	-1295	-1295	-711	-234	140	416	593	671	651	533	315	0
		SHEAR	30	20	11	1	-8	-17	-27	-36	-46	-56	-66	73	60	48	37	26	14	3	-8	-19	-30	-41
	S.D.L	MOMENT	0	87	142	166	158	119	48	-55	-189	-355	-552	-552	-296	-84	83	205	283	316	304	247	146	0
		SHEAR	14	10	5	1	-3	-7	-12	-16	-20	-25	-29	32	27	22	16	11	6	1	-4	-9	-14	-19
	HL-93 (+)	MOMENT	0	483	814	1002	1087	1063	953	736	438	183	0	0	169	430	807	1099	1268	1316	1232	1004	599	0
		SHEAR	76	64	52	42	32	24	16	10	6	2	0	93	85	75	65	55	44	33	23	15	8	7
	HL-93 (-)	MOMENT	0	-102	-204	-306	-408	-510	-613	-715	-817	-1028	-1491	-1491	-922	-527	-451	-387	-322	-258	-193	-129	-64	0
		SHEAR	-14	-14	-16	-23	-32	-42	-52	-62	-71	-80	-89	0	-2	-5	-10	-16	-23	-32	-43	-54	-66	-79

MOMENTS AND SHEARS ARE UNFACTORED AND INCLUDE IMPACT
MOMENTS ARE EXPRESSED AS Kip-Feet
SHEARS ARE EXPRESSED AS Kips

DESIGN LOAD TABLE			
GIRDER4		UNIT	LOAD K/ft.
D.L		GIRDER	0.249
		S.I.P. FORMS	0.019
		HAUNCH	0.038
		DIAPHRAGMS	0.053
		SLAB	0.910
		UTILITIES	0.000
		TOTAL	1.269
S.D.L		CONC. BARRIER	0.208
		MEDIAN RAIL	0.008
		FUTURE W.S.	0.163
		CLOSURE POUR	0.198
		TOTAL	0.577

DESIGN LOAD TABLE			
GIRDER5		UNIT	LOAD K/ft.
D.L		GIRDER	0.249
		S.I.P. FORMS	0.037
		HAUNCH	0.038
		DIAPHRAGMS	0.053
		SLAB	1.108
		UTILITIES	0.015
		TOTAL	1.501
S.D.L		CONC. BARRIER	0.208
		MEDIAN RAIL	0.008
		FUTURE W.S.	0.163
		CLOSURE POUR	0.198
		TOTAL	0.577

DESIGN LOAD TABLE			
GIRDER6		UNIT	LOAD K/ft.
D.L		GIRDER	0.249
		S.I.P. FORMS	0.019
		HAUNCH	0.122
		DIAPHRAGMS	0.027
		SLAB	0.871
		UTILITIES	0.015
		TOTAL	1.302
S.D.L		CONC. BARRIER	0.208
		MEDIAN RAIL	0.008
		FUTURE W.S.	0.163
		CLOSURE POUR	0.198
		TOTAL	0.577

M.P. 113.89, BIN 5513230

DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE
PW:/

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE:
S1



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

REVISIONS

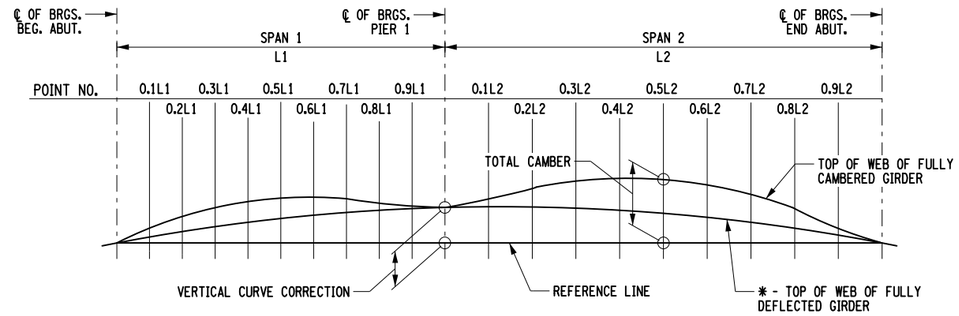
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: MOMENT, SHEAR, & LOAD TABLES (2 OF 2)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-39

		CAMBER 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.
STAGE IVB DECK POURS 3 AND 4	G1	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.010	0.020	0.030	0.030	0.035	0.030	0.025	0.010	0.000
		II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.035	0.035	0.030	0.020	0.005	0.000	0.005	0.000	0.020	0.050	0.080	0.110	0.130	0.135	0.125	0.095	0.050	0.000
		III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
		TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.300	0.365	0.410	0.445	0.460	0.480	0.505	0.515	0.550	0.585	0.615	0.630	0.610	0.565	0.480	0.350	0.180	0.000
	G2	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
		II CONCRETE D.L. (ft.)	0.000	0.020	0.030	0.040	0.040	0.035	0.020	0.010	0.000	0.005	0.000	0.020	0.055	0.095	0.130	0.155	0.160	0.145	0.110	0.060	0.000
		III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.035	0.025	0.015	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
		TOTAL = I+II+III+IV (ft.)	0.000	0.120	0.215	0.305	0.370	0.415	0.445	0.465	0.480	0.505	0.515	0.550	0.595	0.635	0.650	0.640	0.590	0.500	0.360	0.195	0.000
	G3	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
		II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.030	0.030	0.025	0.015	0.005	0.000	0.005	0.000	0.020	0.045	0.080	0.105	0.125	0.130	0.120	0.090	0.050	0.000
		III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
		TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.295	0.360	0.405	0.440	0.460	0.480	0.505	0.515	0.550	0.585	0.620	0.625	0.610	0.560	0.480	0.345	0.185	0.000
STAGE IIB DECK POURS 1 AND 2	G4	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
		II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.030	0.030	0.025	0.015	0.005	0.000	0.005	0.000	0.020	0.045	0.080	0.105	0.125	0.130	0.120	0.090	0.050	0.000
		III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
		TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.295	0.360	0.405	0.440	0.460	0.480	0.505	0.515	0.550	0.585	0.620	0.625	0.610	0.560	0.480	0.345	0.185	0.000
	G5	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.035	0.025	0.015	0.000
		II CONCRETE D.L. (ft.)	0.000	0.020	0.030	0.040	0.040	0.035	0.020	0.010	0.000	0.005	0.000	0.020	0.055	0.095	0.130	0.155	0.160	0.145	0.110	0.060	0.000
		III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.025	0.015	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
		TOTAL = I+II+III+IV (ft.)	0.000	0.120	0.215	0.305	0.370	0.415	0.445	0.465	0.480	0.505	0.515	0.550	0.595	0.635	0.655	0.645	0.595	0.500	0.360	0.195	0.000
	G6	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.020	0.030	0.035	0.035	0.030	0.025	0.015	0.000
		II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.035	0.035	0.030	0.020	0.005	0.000	0.005	0.000	0.020	0.050	0.080	0.110	0.130	0.135	0.125	0.095	0.050	0.000
		III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
		TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.300	0.365	0.410	0.445	0.460	0.480	0.505	0.515	0.550	0.590	0.615	0.630	0.615	0.565	0.480	0.350	0.185	0.000



CAMBER DIAGRAM - CONTINUOUS SPANS

NOTE:

TOP OF WEB OF FULLY DEFLECTED GIRDER LINE WILL MATCH REFERENCE LINE ON BRIDGES THAT DO NOT HAVE A VERTICAL CURVE.

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK ★ CHRISTINE WAGNER ★ No. 094496 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

M.P. 113.89, BIN 5513230

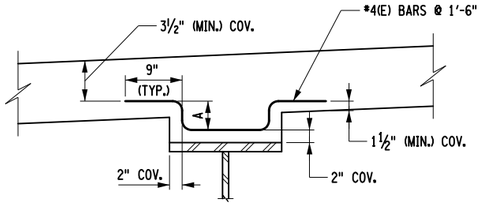
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: CAMBER TABLES AND DIAGRAM	DRAWING NUMBER: ST-40

PW:/ DESIGNED BY: C. WAGNER DRAFTED BY: C. WAGNER CHECKED BY: B. WARTHLING CHECKED BY: C. WAGNER DESIGN SUPERVISOR: D. LIVERMORE

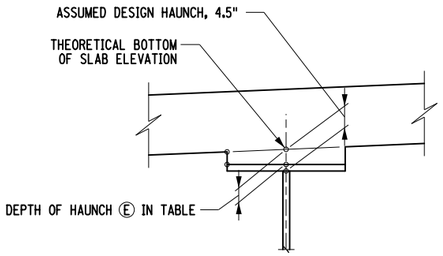
CAMBER TABLE		CL OF BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL OF BRGS. PIER	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL OF BRGS. END ABUT.
G1	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.010	0.020	0.030	0.030	0.035	0.030	0.025	0.010	0.000
	II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.035	0.035	0.030	0.020	0.005	0.000	0.005	0.000	0.020	0.050	0.080	0.110	0.130	0.135	0.125	0.095	0.050	0.000
	III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
	IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
	TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.300	0.365	0.410	0.445	0.460	0.480	0.505	0.515	0.550	0.585	0.615	0.630	0.610	0.565	0.480	0.350	0.180	0.000
G2	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
	II CONCRETE D.L. (ft.)	0.000	0.020	0.030	0.040	0.040	0.035	0.020	0.010	0.000	0.005	0.000	0.020	0.055	0.095	0.130	0.155	0.160	0.145	0.110	0.060	0.000
	III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.035	0.025	0.015	0.000
	IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
	TOTAL = I+II+III+IV (ft.)	0.000	0.120	0.215	0.305	0.370	0.415	0.445	0.465	0.480	0.505	0.515	0.550	0.595	0.635	0.650	0.640	0.590	0.500	0.360	0.195	0.000
G3	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
	II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.030	0.030	0.025	0.015	0.005	0.000	0.005	0.000	0.020	0.045	0.080	0.105	0.125	0.130	0.120	0.090	0.050	0.000
	III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
	IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
	TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.295	0.360	0.405	0.440	0.460	0.480	0.505	0.515	0.550	0.585	0.620	0.625	0.610	0.560	0.480	0.345	0.185	0.000
G4	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
	II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.030	0.030	0.025	0.015	0.005	0.000	0.005	0.000	0.020	0.045	0.080	0.105	0.125	0.130	0.120	0.090	0.050	0.000
	III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
	IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
	TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.295	0.360	0.405	0.440	0.460	0.480	0.505	0.515	0.550	0.585	0.620	0.625	0.610	0.560	0.480	0.345	0.185	0.000
G5	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.035	0.025	0.015	0.000
	II CONCRETE D.L. (ft.)	0.000	0.020	0.030	0.040	0.040	0.035	0.020	0.010	0.000	0.005	0.000	0.020	0.055	0.095	0.130	0.155	0.160	0.145	0.110	0.060	0.000
	III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.035	0.025	0.015	0.000
	IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
	TOTAL = I+II+III+IV (ft.)	0.000	0.120	0.215	0.305	0.370	0.415	0.445	0.465	0.480	0.505	0.515	0.550	0.595	0.635	0.655	0.645	0.595	0.500	0.360	0.195	0.000
G6	I STEEL D.L. (ft.)	0.000	0.005	0.005	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.020	0.030	0.035	0.035	0.030	0.025	0.015	0.000
	II CONCRETE D.L. (ft.)	0.000	0.015	0.025	0.035	0.035	0.030	0.020	0.005	0.000	0.005	0.000	0.020	0.050	0.080	0.110	0.130	0.135	0.125	0.095	0.050	0.000
	III SUPERIMPOSED D.L. (ft.)	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.005	0.000	0.000	0.000	0.005	0.015	0.025	0.035	0.040	0.040	0.040	0.030	0.015	0.000
	IV VERTICAL CURVE (ft.)	0.000	0.090	0.170	0.245	0.310	0.365	0.415	0.450	0.480	0.500	0.515	0.520	0.510	0.490	0.455	0.410	0.355	0.285	0.200	0.105	0.000
	TOTAL = I+II+III+IV (ft.)	0.000	0.115	0.210	0.300	0.365	0.410	0.445	0.460	0.480	0.505	0.515	0.550	0.590	0.615	0.630	0.615	0.565	0.480	0.350	0.185	0.000

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

IT'S NOT ANTICIPATED THAT ANY HAUNCH DEPTHS WILL EXCEED 4", HOWEVER, IF THEY DO THEN THE REINFORCED GIRDER HAUNCH DETAIL SHALL BE USED,



REINFORCED GIRDER HAUNCH DETAIL



GIRDER HAUNCH DETAIL

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: ST

STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · 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

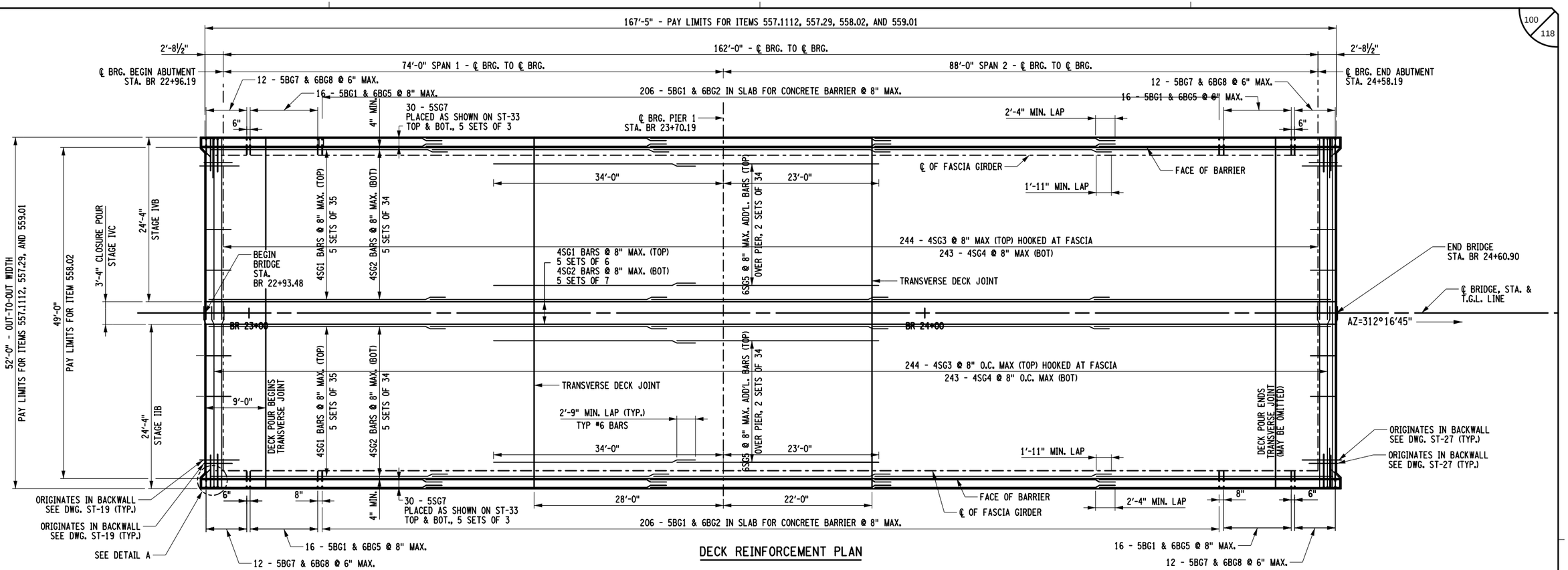
DATE	DESCRIPTION	BY	SYM.

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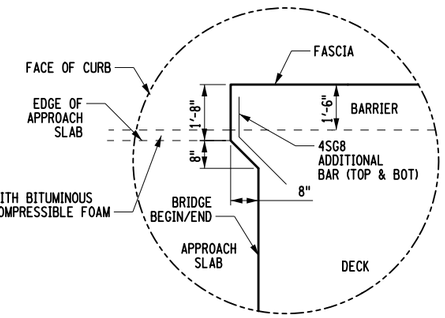
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: HAUNCH TABLE	DRAWING NUMBER: ST-41

PW:/

DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE



DECK REINFORCEMENT PLAN



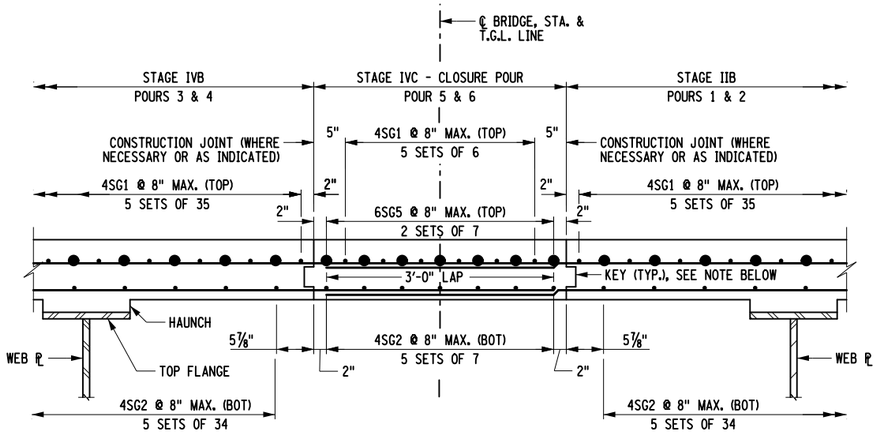
DETAIL A - SLAB CORNER DETAIL

(TYPICAL ALL CORNERS)
SCALE: NOT TO SCALE

SUPERSTRUCTURE SLAB TABLE				
STAGE	SUPERSTRUCTURE SLAB (SY) ITEM 557.1112	WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01
IIB	453	453	425	4,402
IVB	453	453	425	4,402
IVC	62	62	63	559

NOTES:

1. FOR ADDITIONAL BARRIER DETAILS SEE DWGS. ST-46 TO ST-50.
2. ALL LONGITUDINAL AND TRANSVERSE TOP MAT DECK REINFORCING STEEL SHALL BE STAGGERED 1/2 SPACE ABOVE BOTTOM MAT STEEL.
3. FOR TYPICAL TRANSVERSE BRIDGE SECTION SEE DWG. ST-33.
4. ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED.
5. SEE DWG. ST-43 FOR DECK PLACEMENT SEQUENCE AND NOTES.



CLOSURE POUR CONSTRUCTION JOINT

NOT TO SCALE

NOTE:
PREPARE EXISTING SURFACES AS PER SPEC. 557-3.06.

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

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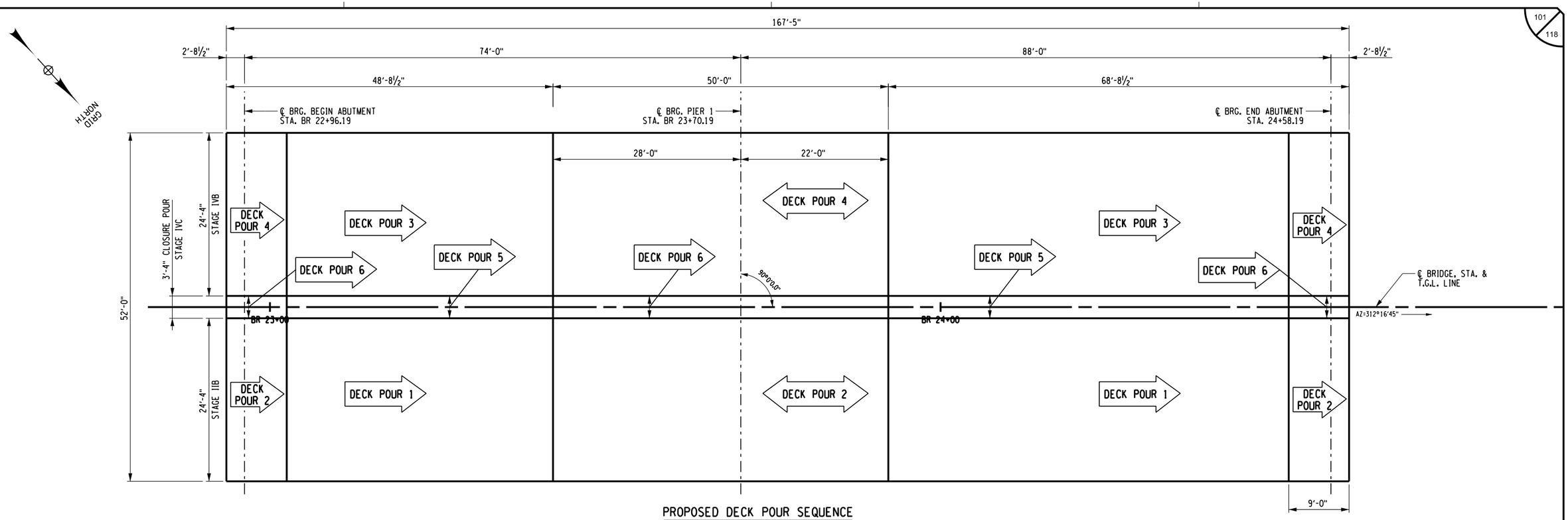
DATE	DESCRIPTION	BY	SYM.

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TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: DECK REINFORCEMENT PLAN

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-42

PW:/
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGNED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE



PROPOSED DECK POUR SEQUENCE

NOT TO SCALE

DECK PLACEMENT NOTES

1. 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.
2. LONGITUDINAL CONSTRUCTION JOINTS NOT SHOWN IN THE PLANS ARE NOT PERMITTED.
3. THE CONTRACTOR SHALL OPERATE FINISHING MACHINE(S) AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE FOR SKEW ANGLES BETWEEN 0°AND 35°. WHEN THE SKEW ANGLE IS GREATER THAN 35° THE FINISHING MACHINE(S) SHALL BE OPERATED AT A MAXIMUM SKEW ANGLE OF 35°.
4. 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.
5. 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 THRUWAY AUTHORITY.
6. THERE WILL BE NO EXCEPTIONS MADE TO THE POURING SEQUENCE SHOWN IN THE CONTRACT PLANS.
7. CONSTRUCTION JOINTS SHALL BE PLACED PARALLEL TO THE SKEW. 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 PRACTICAL. TEXTURING MAY BE DONE LONGITUDINAL, TRANSVERSE, OR PARALLEL TO THE ALIGNMENT OF THE FINISHING MACHINE.
8. ALL AREAS SHOWN ON THE PLANS AS "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.

STAGE CONSTRUCTION NOTES:

1. THE STRUCTURAL SLAB AND SLAB OVERHANG FOR EACH STAGE OF CONSTRUCTION HAVE BEEN DESIGNED FOR THE LOADING CONDITIONS SHOWN IN THE DETAILS.
2. THE COST FOR FURNISHING AND PLACING MECHANICAL CONNECTORS §709-10 MECHANICAL CONNECTORS FOR REINFORCING BAR SPLICES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SUPERSTRUCTURE SLAB ITEM.
3. AN UNUSUALLY LARGE TEMPORARY OVERHANG IS PRESENT DURING STAGE IIB AND IVB STRUCTURAL SLAB PLACEMENT. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT AND BRACING TO PREVENT THE TEMPORARY FASCIA STRINGER FROM TWISTING UNDER THE CONCRETE DEAD LOAD AND THE CONSTRUCTION LOADS. ALL DESIGN EFFORT REQUIRED BY THE CONTRACTOR'S ENGINEER TO ENSURETHAT CONSTRUCTION LOADS DO NOT ADVERSLY AFFECT THE TEMPORARY FASCIA GIRDER ARE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL SUBMIT OVERHANG FORMING DESIGN AND DETAILS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER TO THE NYSTA FOR APPROVAL.
4. DUE TO THE NATURE OF STAGE CONSTRUCTION AND THE PROBLEMS INHERENT WITH DIFFERENTIAL DEFLECTIONS, THE HOLES FOR ONE SIDE OF THE STAGE DIAPRHAGM CONNETIONS PLATES SHALL BE FIELD DRILLED. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR FIELD DRILLING.
5. THE CONTRACTOR SHALL WAIT A MINIMUM OF 72 HOURS FOLLOWING COMPLETION OF THE STAGE IVB DECK PLACEMENT BEFORE BEGINNING THE CLOSURE PLACEMENT.
6. THE CONTRACTOR SHALL SUPPORT FORMWORK FOR THE STAGE IVB DECK PLACEMENT ONLY BY THE STAGE IIB GIRDERS, NOT BY THE STAGE 2B GIRDERS IMMEDIATELY ADJACENT.
7. PRIOR TO PLACING THE STAGE IVB DECK PLACEMENT AND FOR 72 HOURS FOLLOWING ITS COMPLETION, NO REINFORCING BAR WITHIN THE CLOSURE PLACEMENT SHALL BE WIRED.
8. THE TEMPORARY FASCIAS OF THE STAGE IIB AND STAGE IVB DECK SHALL BE THOROUGHLY WET FOR 12 HOURS IMMEDIATELY PRIOR TO PROCEEDING WITH THE CLOSURE PLACEMENT. THE CONTRACTOR SHALL REMOVE ALL STANDING WATER WITH OIL-FREE COMPRESSED AIR AND SHALL PROTECT THE FASCIA SURFACES FROM DRYING, SO THE EXISTING CONCRETE REMAINS IN A CLEAN, SATURATED SURFACE DRY CONDITION UNTIL PLACEMENT OF THE NEW CONCRETE.

M.P. 113.89, BIN 5513230

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: C. WAGNER
DRAFTED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 09/15/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · LICENSED PROFESSIONAL ENGINEER

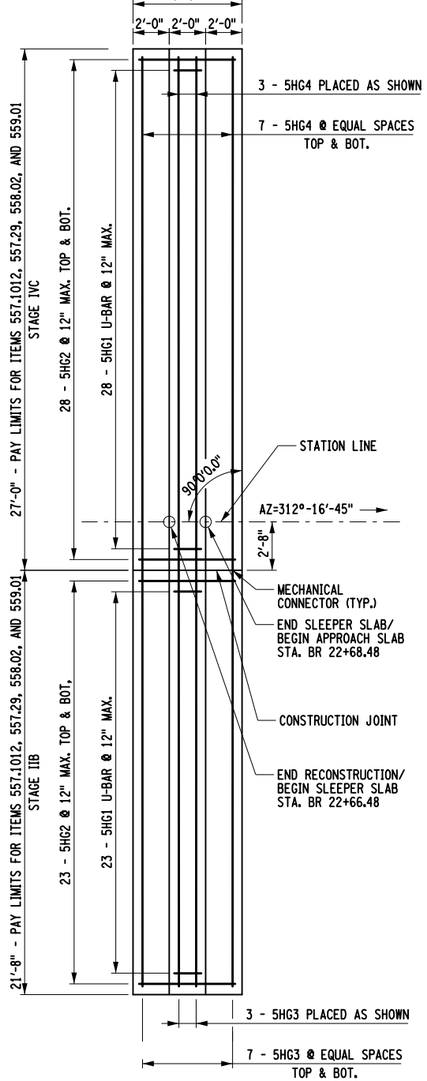
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REVISIONS

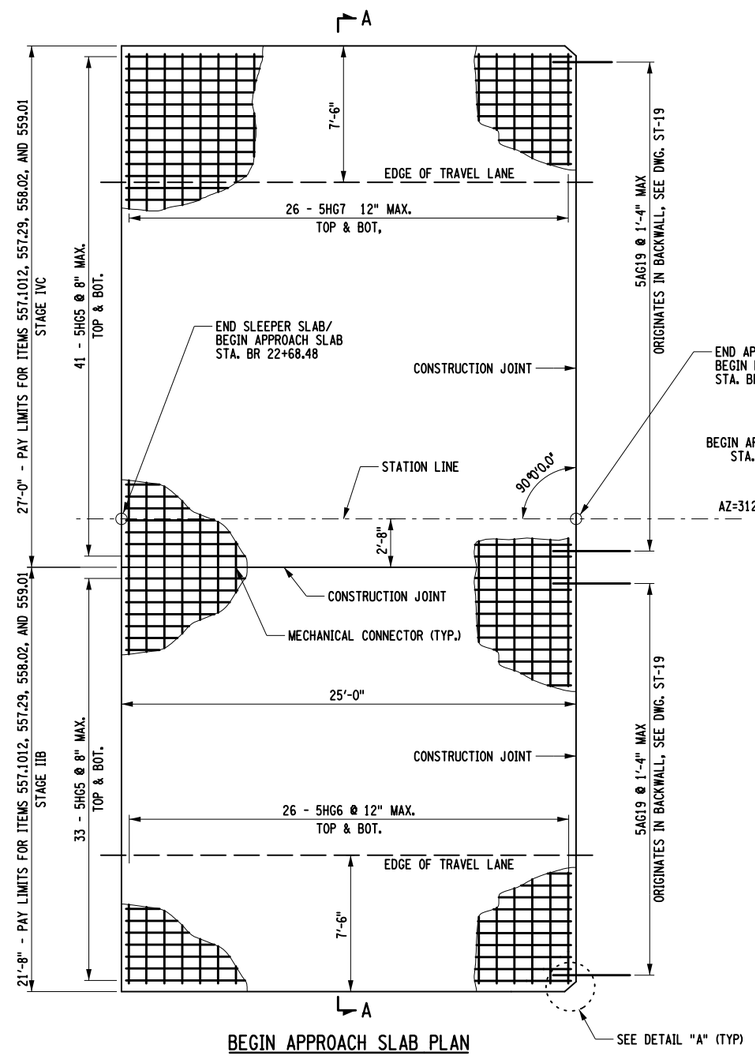
DATE	DESCRIPTION	BY	SYM.

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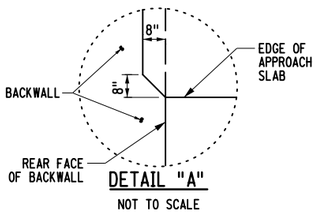
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: DECK PLACEMENT PLAN AND NOTES	DRAWING NUMBER: ST-43



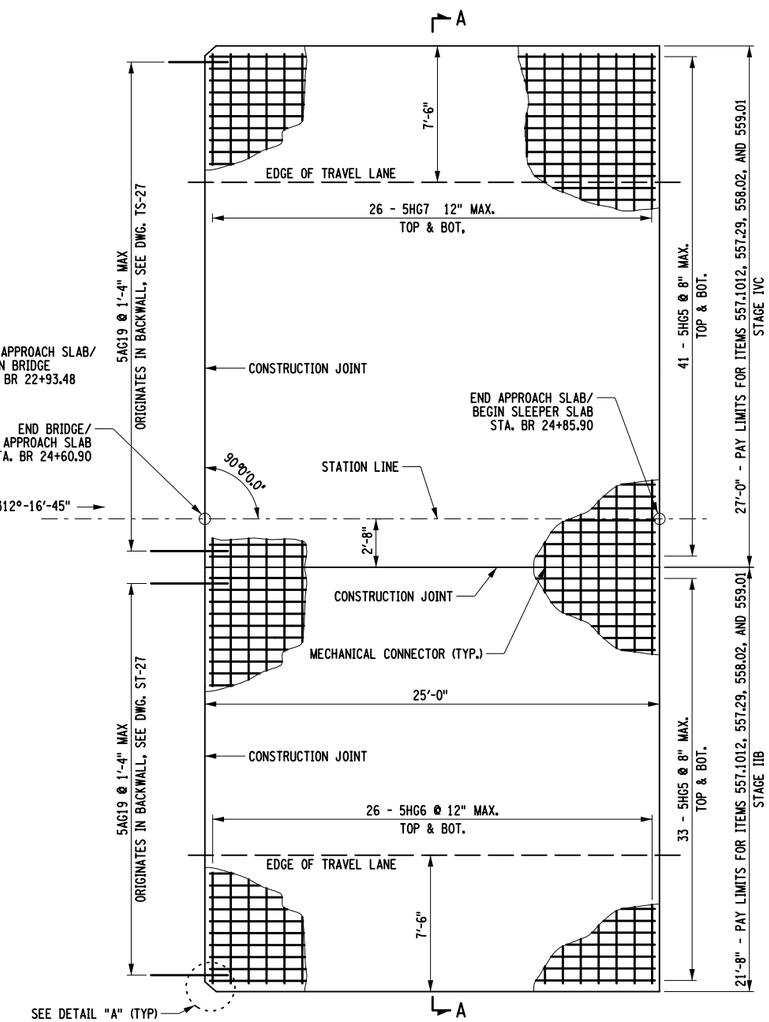
BEGIN SLEEPER SLAB PLAN



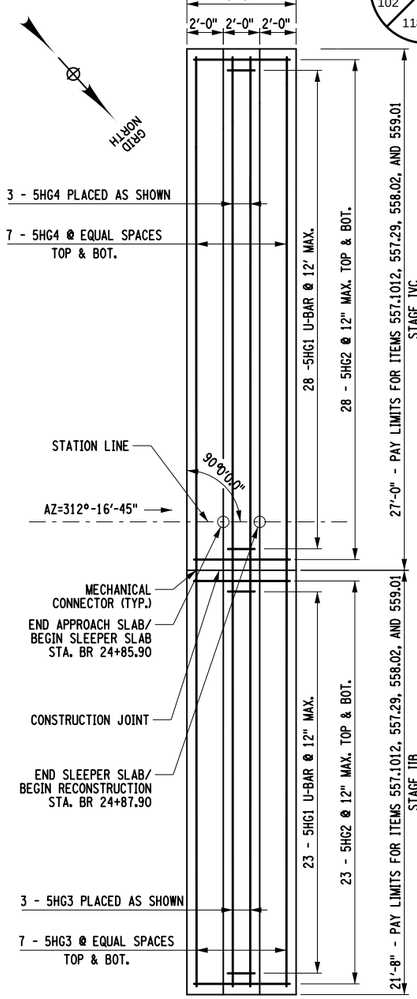
BEGIN APPROACH SLAB PLAN



DETAIL "A"
NOT TO SCALE

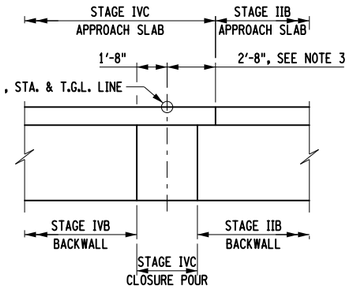


END APPROACH SLAB PLAN



END SLEEPER SLAB PLAN

APPROACH SLAB AND SLEEPER SLAB TABLE					
STAGE	LOCATION	CONCRETE (SY) ITEM 557.1012	WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALER (SF) ITEM 559.01
IIB	BEGIN SLEEPER SLAB	15	5	5	44
IIB	BEGIN APPROACH SLAB	61	61	61	542
IIB	END APPROACH SLAB	61	61	61	542
IIB	END SLEEPER SLAB	15	5	5	44
IVC	BEGIN SLEEPER SLAB	18	6	6	54
IVC	BEGIN APPROACH SLAB	75	75	75	675
IVC	END APPROACH SLAB	75	75	75	675
IVC	END SLEEPER SLAB	18	6	6	54



SECTION A-A

M.P. 113.89, BIN 5513230

NOTES:

1. ALL REINFORCEMENT SHALL HAVE 3 in. COVER UNLESS OTHERWISE NOTED.
2. SEE DWG. ST-45 FOR ADDITIONAL NOTES.
3. THE APPROACH SLAB AND SLEEPER SLAB STAGE LINES HAVE BEEN OFFSET AN ADDITIONAL 1'-0" RIGHT FROM THE STAGE LINES FOR THE PROPOSED DECK AND SUBSTRUCTURE TO ALLOW ROOM FOR THE SOLDIER PILE AND LAGGING WALL SUBSTRUCTURE CONNECTIONS.

ALTERED ON:

AFFIXED ON: 08/26/2025

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
APPROACH SLAB
PLAN AND DETAILS

CONTRACT NUMBER: TAA 25-21B

DATE: 08/26/2025

DRAWING NUMBER: ST-44

PW:/

CHECKED BY: B. WARTHLING

DRAFTED BY: C. WAGNER

CHECKED BY: B. WARTHLING

DESIGNED BY: C. WAGNER

DESIGN SUPERVISOR: D. LIVERMORE

PW:/

CHECKED BY: B. WARTHLING

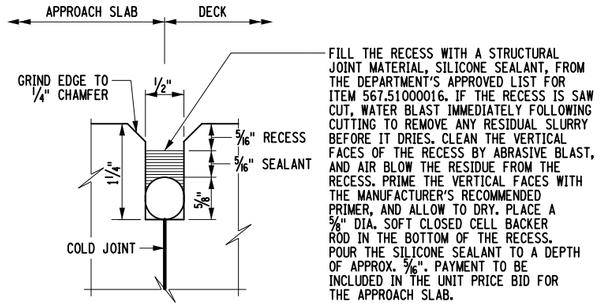
DRAFTED BY: C. WAGNER

CHECKED BY: B. WARTHLING

DESIGNED BY: C. WAGNER

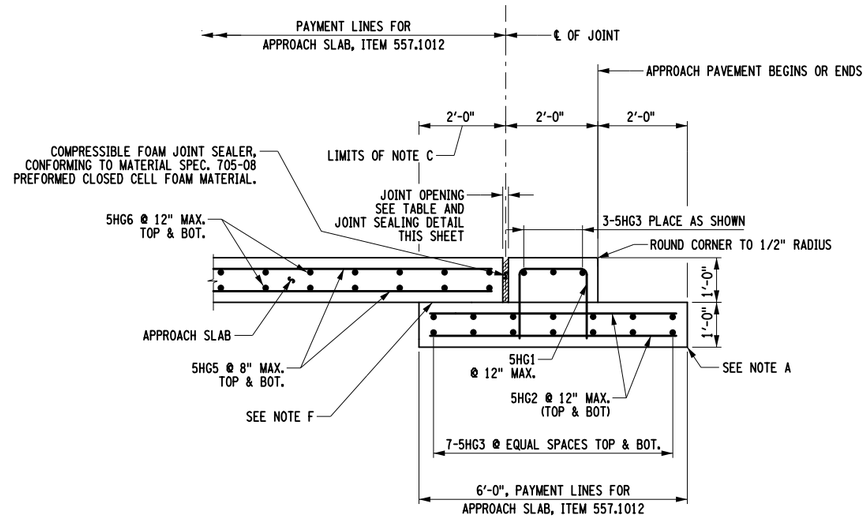
DESIGN SUPERVISOR: D. LIVERMORE

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/4
35	2 1/4
40	2 1/8
45	2 1/8
50	2
55	2
60	2
65	1 7/8
70	1 7/8
75	1 3/4
80	1 3/4
85	1 3/4
90	1 5/8
95	1 5/8
100	1 1/2
105	1 1/2
110	1 1/2
NOTES:	
MIN. OPENING (IN.) = 1.5	
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.75	
TOTAL MOVEMENT (IN.) = 1.25	



JOINT RECESS DETAIL

NOT TO SCALE



STAGE IIB SLEEPER SLAB WITH APPROACH PAVEMENT

NOT TO SCALE

NOTES:

A. 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.

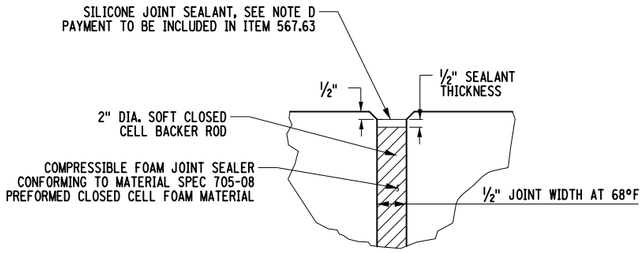
B. TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF SLAB, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE ROADWAY GRADE AND CROSS SLOPE. POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SPECIFICATION SUBSECTION 711-04 SHALL BE PLACED 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.

C. 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.

D. FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT, FROM THE DEPARTMENT'S APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THOSE SEALANTS THAT REQUIRES A PRIMER. THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL ONLY BE PERFORMED WHEN THE CONCRETE TEMPERATURE IS 40°F OR ABOVE. BOTH JOINT FACES SHALL BE SAND BLASTED TO ROUGHEN THE SURFACE AND TO REMOVE ALL SURFACE MOISTURE AND ANY OTHER MATERIAL THAT MAY INTERFER WITH BOND.

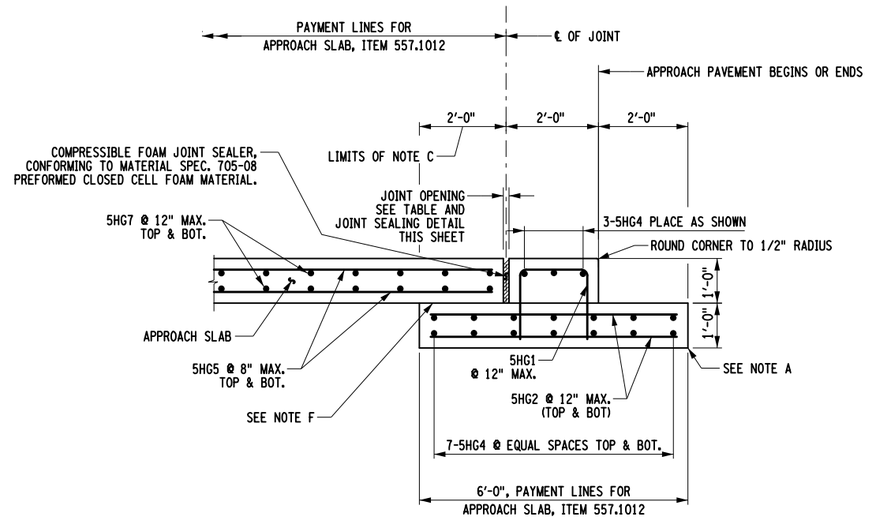
E. TOP SURFACES OF STRUCTURAL SLABS, APPROACH SLABS AND EXPOSED TOP SURFACES OF SLEEPER SLABS SHALL BE GROOVED UNDER THE SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE ITEM.

F. 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.



JOINT SEALING DETAIL

NOT TO SCALE



STAGE V SLEEPER SLAB WITH APPROACH PAVEMENT

NOT TO SCALE

M.P. 113.89, BIN 5513230

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SIGNATURE: STAMP:	SIGNATURE: ST



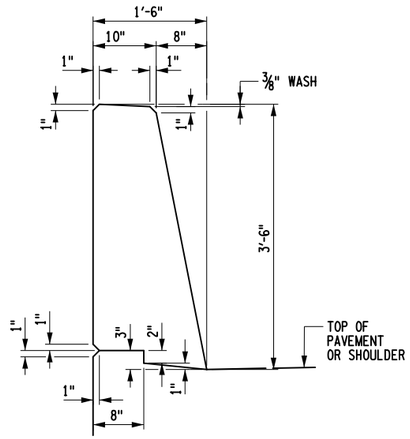
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS

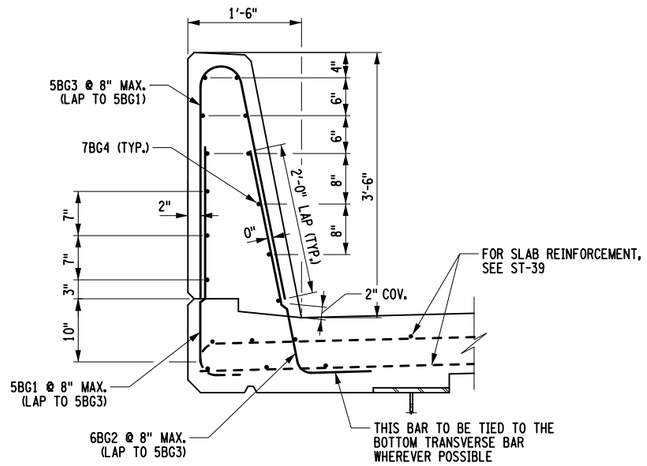
DATE	DESCRIPTION	BY	SYM.

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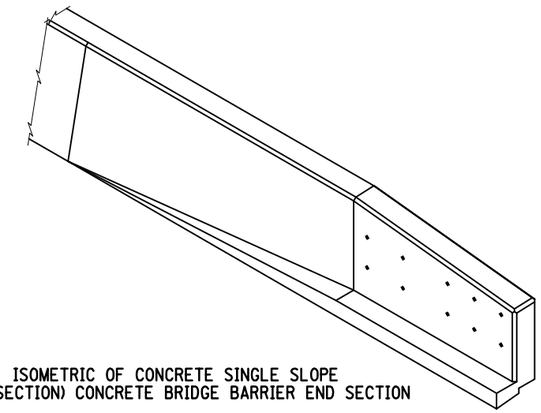
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: APPROACH SLAB SECTIONS AND DETAILS	DRAWING NUMBER: ST-45



TYPICAL SECTION



TYPICAL BARRIER REINFORCEMENT



ISOMETRIC OF CONCRETE SINGLE SLOPE
(HALF SECTION) CONCRETE BRIDGE BARRIER END SECTION

NOTE:

(G) DENOTES GALVANIZED COATED BARS.

M.P. 113.89, BIN 5513230

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK
CHRISTINE WAGNER
No. 094496
LICENSED PROFESSIONAL ENGINEER

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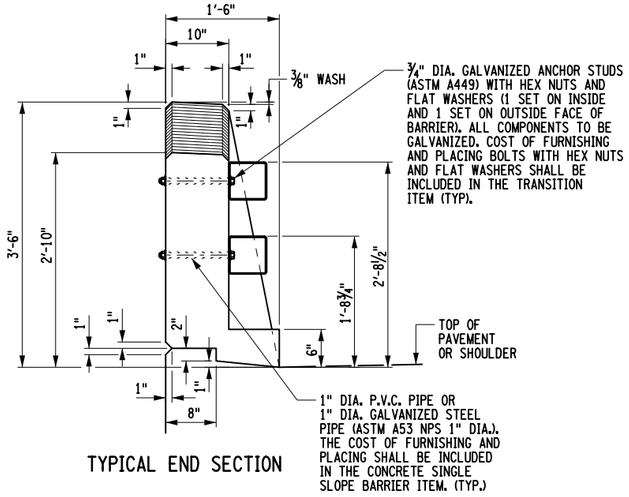
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DATE	DESCRIPTION	BY	SYM.

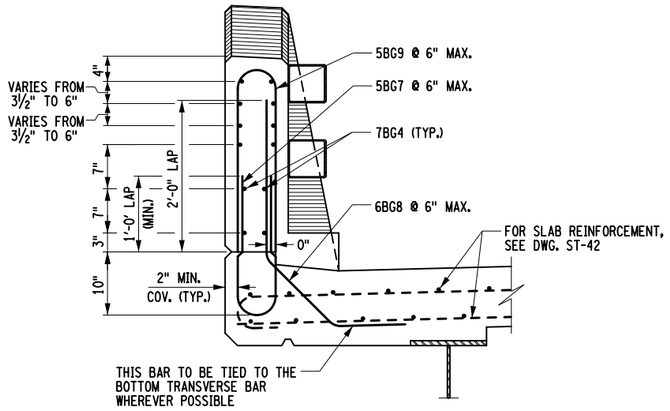
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LOCATION OF PROJECT ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING CONCRETE BARRIER PLAN AND DETAILS (1 OF 3)	DRAWING NUMBER: ST-46

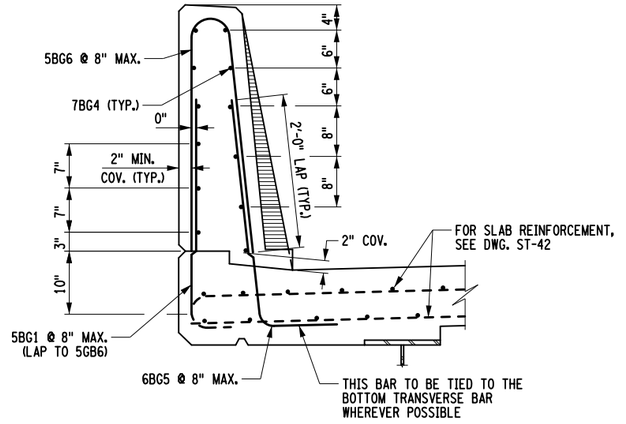
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CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
DESIGNED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE



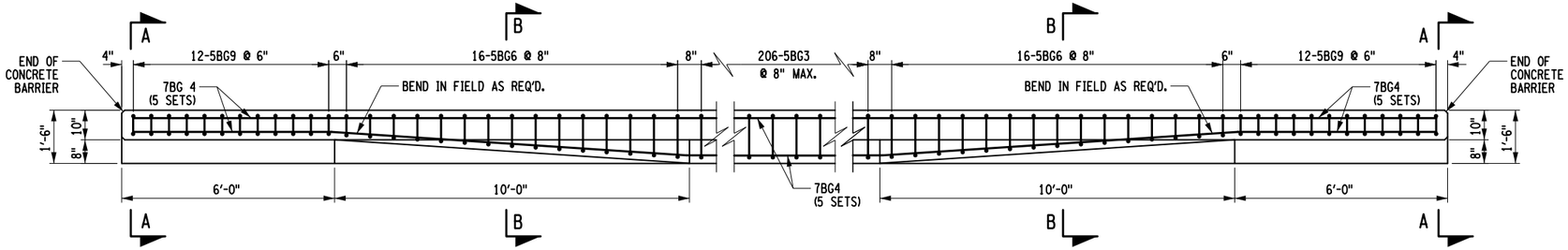
TYPICAL END SECTION



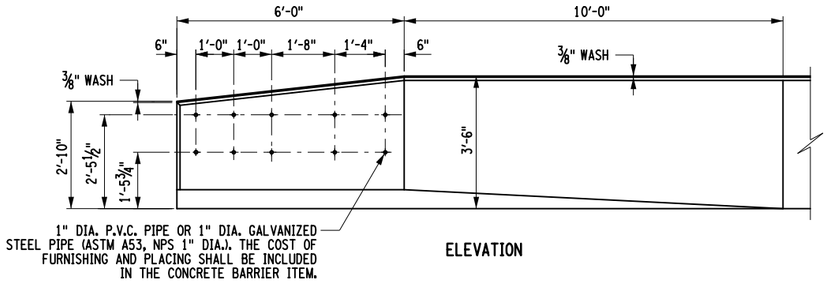
SECTION A-A



SECTION B-B

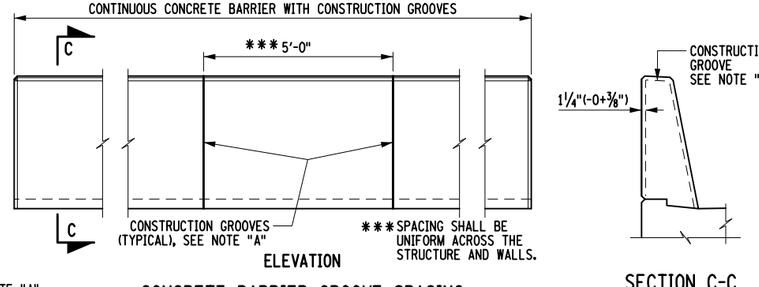


BARRIER REINFORCEMENT PLAN
(SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER SHOWN)



ELEVATION

SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER TRANSITION



ELEVATION

SECTION C-C

CONCRETE BARRIER GROOVE SPACING

NOTE "A":

CONSTRUCTION GROOVES SHALL BE MADE BY:

1. FORMING FOR CAST-IN-PLACE CONSTRUCTED FORMS.
2. SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORMED.
3. CUTTING THE PLASTIC CONCRETE.

COMBINATION OF THESE METHODS MAY BE EMPLOYED. THE DEPTH OF THE GROOVES SHALL BE 1 1/4"(0+3/8"). FORMED GROOVES SHALL MAKE A 60° ANGLE WITH THE SURFACE. CUT GROOVES SHALL BE FINISHED WITH SHALLOW (3/4"± 1/4") CONSTANT DEPTH 45° CHAMFERS AT THE SURFACE. THE LONGITUDINAL REINFORCING BARS FOR THE CONCRETE BARRIERS SHALL BE CONTINUOUS BETWEEN BRIDGE EXPANSION JOINTS. WHERE SPLICES ARE REQUIRED, THE LENGTH OF THE LAP SHALL BE SUFFICIENT TO DEVELOP EACH BAR.

ITEM 569.04
SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER

STAGE	LOCATION	BEGIN STA.	END STA.	QUANTITY (LF)
STAGE IIB	NORTH FASCIA/ RIGHT SIDE	STA. BR 22+92.81	STA. BR 24+61.57	169
STAGE IVB	SOUTH FASCIA/ LEFT SIDE	STA. BR 22+92.81	STA. BR 24+61.57	169

NOTES:

SINGLE SLOPE (HALF-SECTION) CONCRETE BARRIER REINFORCEMENT SHALL MEET THE REQUIREMENTS OF ITEM 556.0203. COST OF THE CONCRETE BARRIER REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 569.04.

FOR DETAILS REGARDING THE SNOW FENCING TO BE MOUNTED ON THE SINGLE SLOPE (HALF-SECTION) CONCRETE BARRIER, SEE DWG. ST-51.

M.P. 113.89, BIN 5513230

ALTERED ON:

AFFIXED ON: 08/26/2025

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

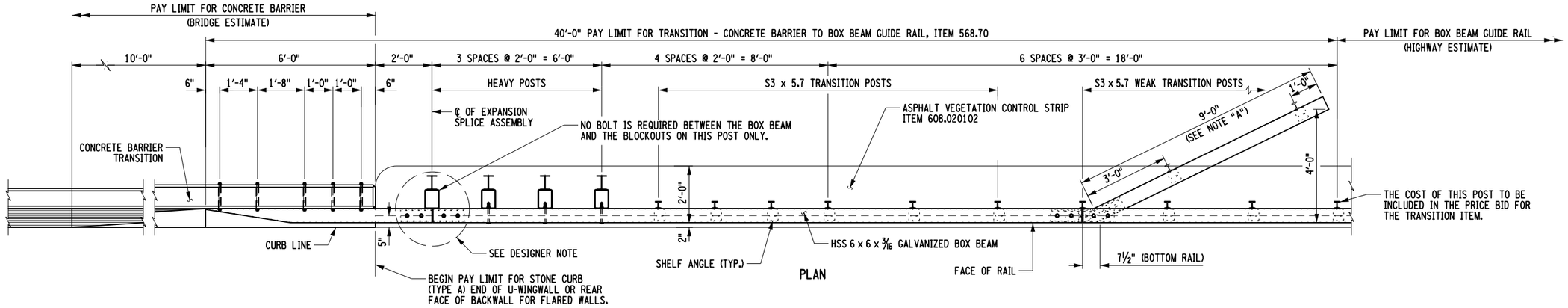
LOCATION OF PROJECT
ALBANY DIVISION
MP 113.89

TITLE OF DRAWING
CONCRETE BARRIER
PLAN AND DETAILS
(SHEET 2 OF 3)

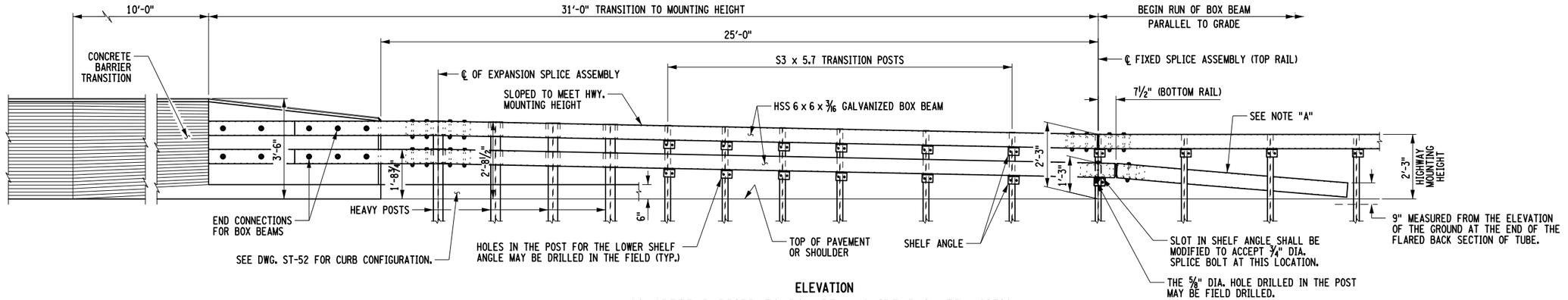
CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
ST-47



PLAN



ELEVATION

CONCRETE BARRIER TO BOX BEAM GUIDE RAIL TRANSITION

NOTES:

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

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

M.P. 113.89, BIN 5513230

PW:/

DESIGN SUPERVISOR: D. LIVERMORE
DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
CHECKED BY: B. WARTHLING

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: ST

STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · LICENSED PROFESSIONAL ENGINEER

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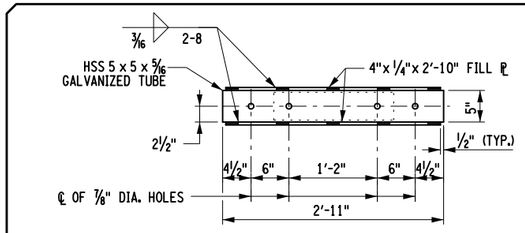
REVISIONS

DATE	DESCRIPTION	BY	SYM.

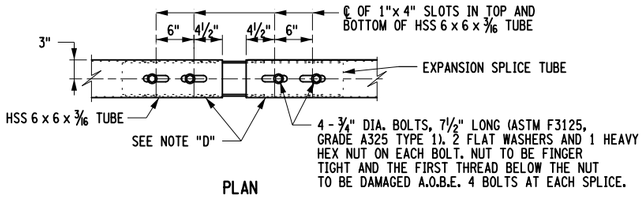
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TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: CONCRETE BARRIER PLAN AND DETAILS (3 OF 3)	DRAWING NUMBER: ST-48

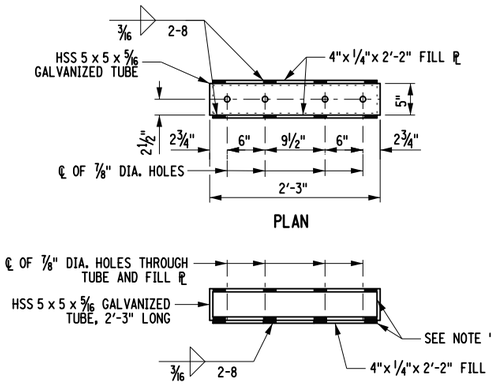
PW:
CHECKED BY: B. WARTHLING
DRAFTED BY: C. WAGNER
DESIGNED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE



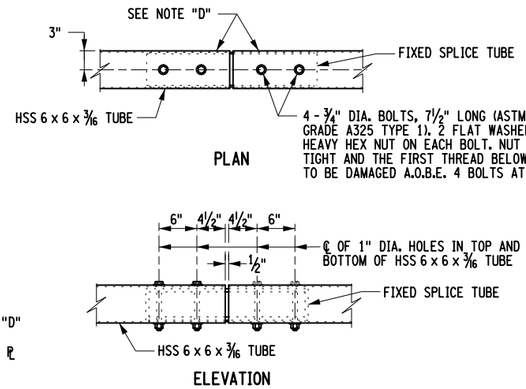
EXPANSION SPLICE TUBE



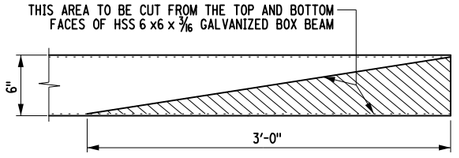
EXPANSION SPLICE ASSEMBLY



FIXED SPLICE TUBE

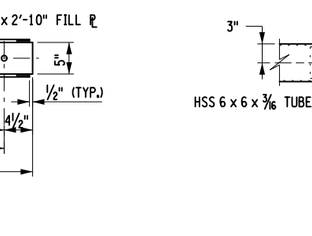


FIXED SPLICE ASSEMBLY

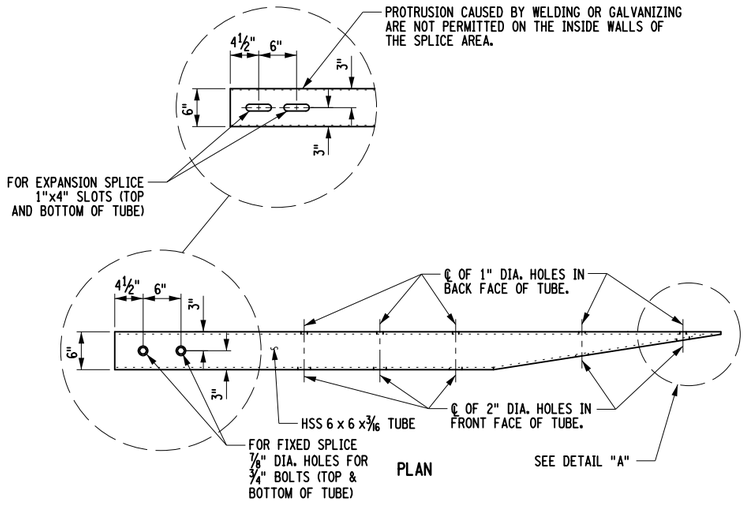


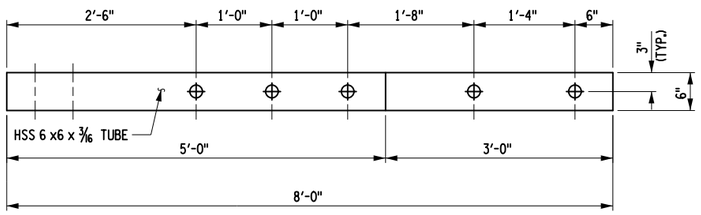
CUT DETAIL - END CONNECTION

DETAIL "A"

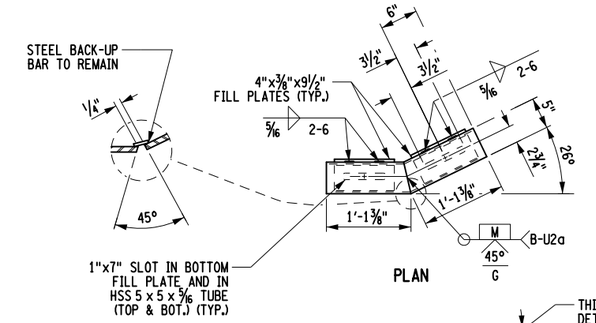


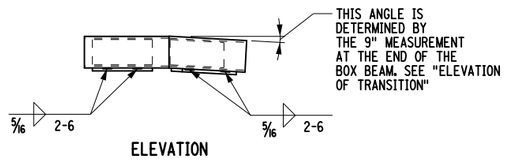
SECTION E-E



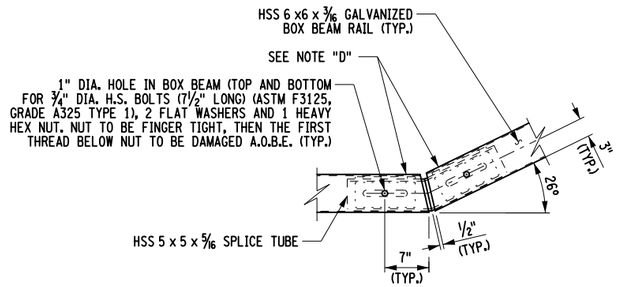


END CONNECTION FOR BOX BEAM GUIDE RAIL





SPLICE TUBE DETAILS FOR TURNBACK



SPLICE DETAIL AT TURNBACK IN LOWER TRANSITION GUIDE RAIL

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

M.P. 113.89, BIN 5513230

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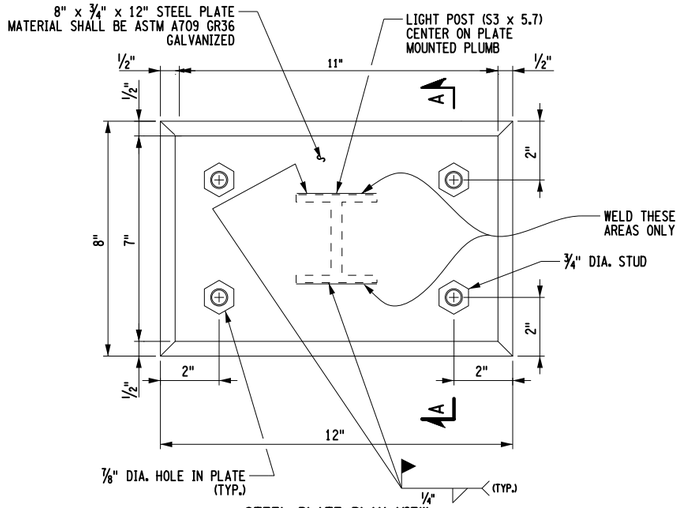
REVISIONS

DATE	DESCRIPTION	BY	SYM.

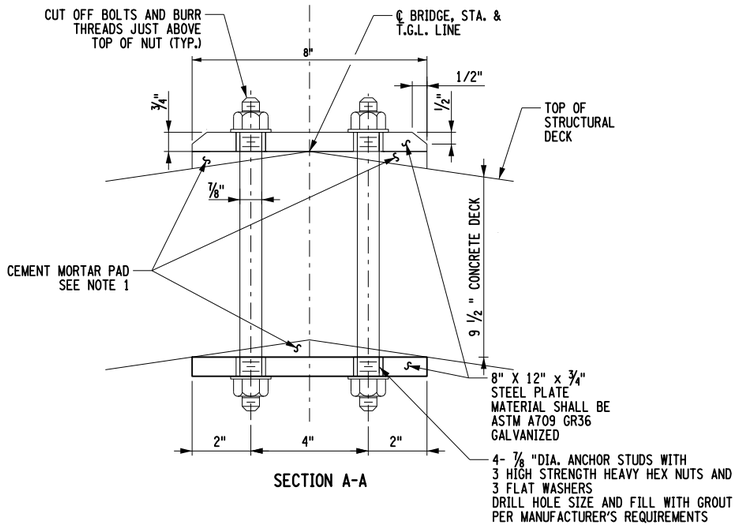
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: STEEL RAIL SPLICE AND END CONNECTION DETAILS	DRAWING NUMBER: ST-49

PW:/
DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE
CHECKED BY: B. WARTHLING



STEEL PLATE PLAN VIEW
FOR TOP OF SUPERSTRUCTURE SLAB AND
TOP OF APPROACH SLAB

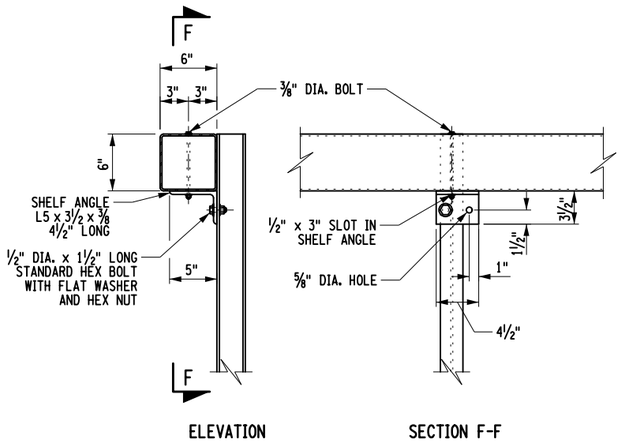


SECTION A-A

BOX BEAM MEDIAN BARRIER WEAK POST MOUNTING DETAIL

FOR SUPERSTRUCTURE SLAB

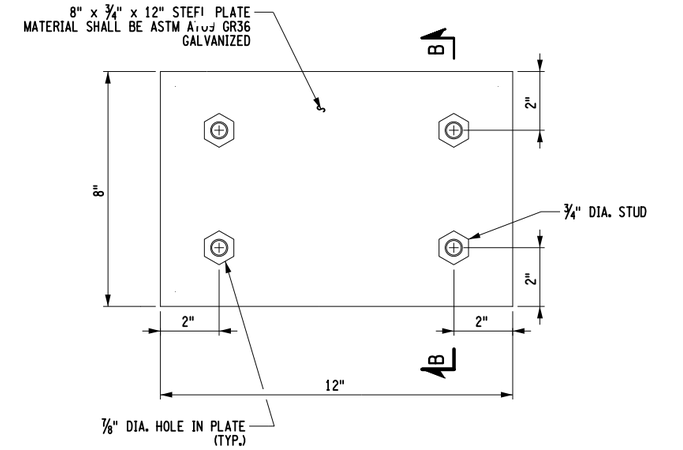
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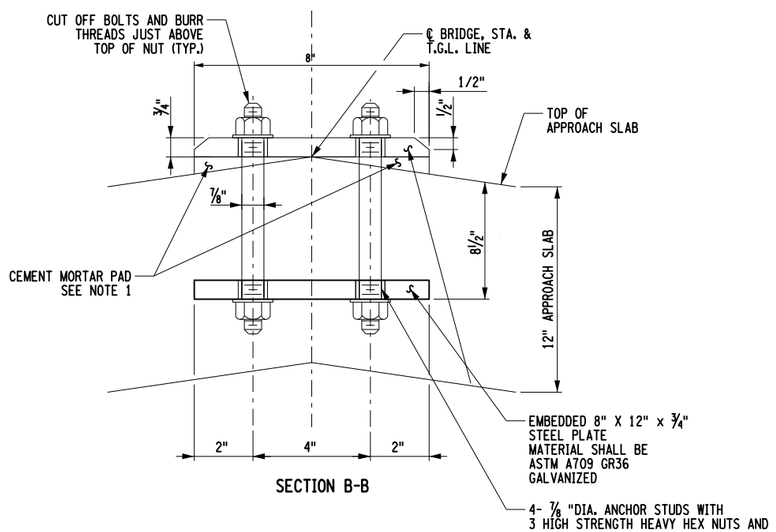
ELEVATION SECTION F-F

TYPICAL RAIL TO WEAK TRANSITION POST CONNECTION

N.T.S.



STEEL PLATE PLAN VIEW
FOR BOTTOM OF SUPERSTRUCTURE SLAB
AND EMBEDMENT IN APPROACH SLAB

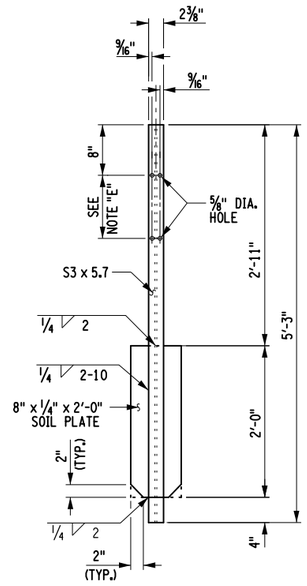


SECTION B-B

BOX BEAM MEDIAN BARRIER WEAK POST MOUNTING DETAIL

FOR APPROACH SLAB

N.T.S.



WEAK TRANSITION POST DETAIL

N.T.S.

NOTES:

NOTE "E":
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.

NOTES:

1. THE COST FOR POST AND MOUNTING INCLUDING MORTAR PAD INCLUDED UNDER RAIL ITEM.
2. COAT ALL WELDS WITH ZINC RICH COLD GALVANIZED SPRAY.
3. DETAILS PROVIDED IN NYSDOT STANDARD SHEET 606-05 SHALL BE FOLLOWED EXCEPT AS MODIFIED IN THE CONNECTION DETAILS ABOVE.
4. SEE DWG. ST-29 FOR LOCATIONS.

M.P. 113.89, BIN 5513230

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STATE OF NEW YORK
CHRISTINE WAGNER
No. 094496
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

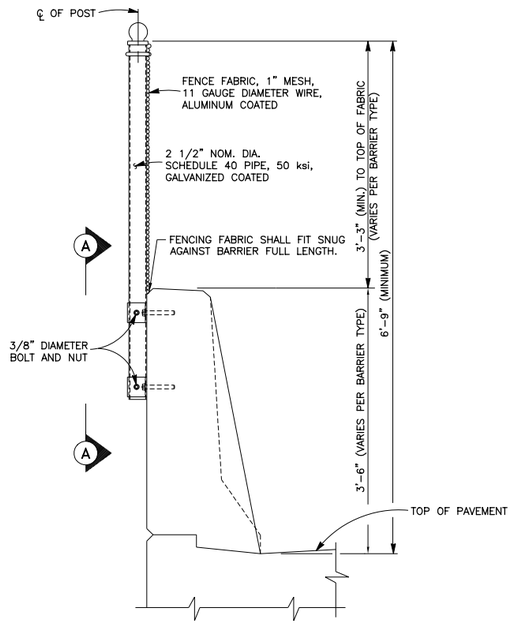
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BRIDGE MEDIAN RAIL MOUNTING AND TRANSITION DETAILS	DRAWING NUMBER: ST-50

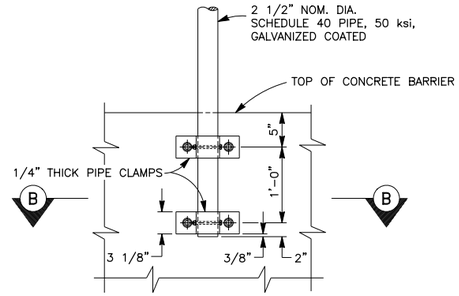
PW:/

DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE
CHECKED BY: B. WARTHLING



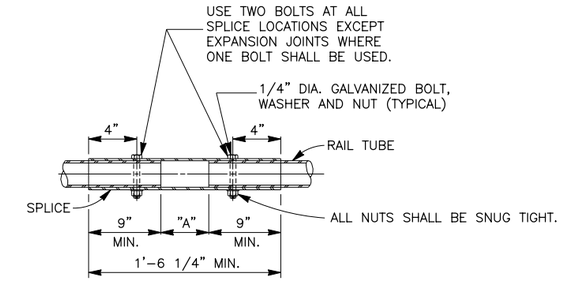
TYPICAL SECTION OF SNOW FENCING ON SAFETY SHAPE AND SINGLE SLOPE BARRIER

SCALE: 1" = 1'-0"



SECTION A–A

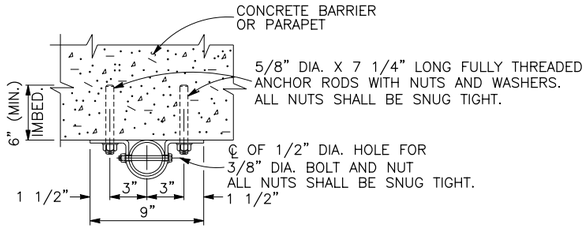
SCALE: 1" = 1'-0"



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.)

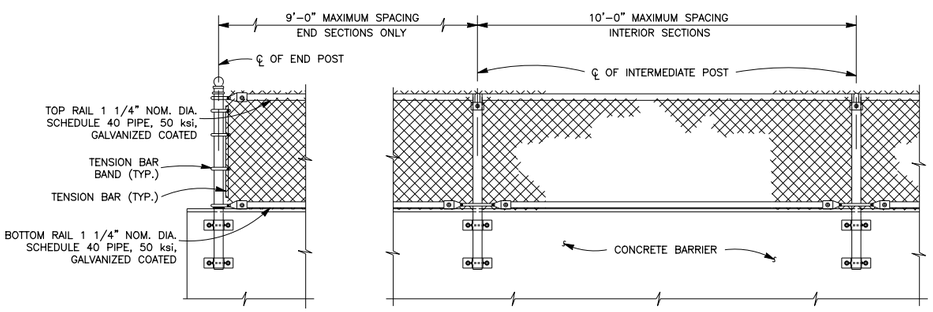
TYPICAL RAIL SPLICE DETAIL (TOP AND BOTTOM RAIL)

NOT TO SCALE



SECTION B–B

SCALE: 2" = 1'-0"



TYPICAL ELEVATION OF SNOW FENCING ON CONCRETE BARRIER

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

NOTES:

1. THE INTERIOR SECTIONS OF SNOW FENCE POSTS SHALL BE PLACED SO THAT THE SPACING OF THE POSTS IS UNIFORM AND DOES NOT EXCEED 10'–0".
2. THE FULLY THREADED ANCHOR RODS FOR THE SNOW FENCE POST MAY BE DRILLED AND GROUTED INTO THE BARRIER OR PARAPET AS SHOWN.
3. DRILLING AND GROUTING OF FULLY THREADED ANCHOR RODS SHALL BE DONE AND PAID FOR IN ACCORDANCE WITH SPECIFICATION 586.03–––25 – DRILLING & GROUTING OF BOLTS OR REINFORCING BARS – CHEMICALLY CURING – WITH PULLOUT TESTS. TEST LOAD = 6.0 KIPS.
4. IT IS PERMISSIBLE TO INSTALL SHIM PLATES BEHIND THE VERTICAL FENCE POSTS TO ACHIEVE PLUMB. SHIMS MUST HAVE 11/16" DIA. HOLES MATCHING THE PIPE CLAMP FOR THE 5/8" DIA. ANCHOR BOLTS. SHIMS SHALL BE OF STAINLESS STEEL (ASTM A666–03). THE REQUIRED QUANITY AND THICKNESS OF SHIMS WILL BE DETERMINED IN THE FIELD.
5. ALL FENCE POSTS SHALL BE VERTICAL.
6. THE SNOW FENCING SHALL BE PAID FOR UNDER 607.0612––25 – PROTECTIVE SCREENING (SNOW FENCE).
7. 5/8" DIA. ANCHOR BOLTS FOR FENCING SHALL BE F1554 GR105. BOLTS SHALL HAVE A MECHANICALLY DEPOSITED ZINC COATING IN ACCORDANCE WITH CLASS 50 OF ASTM B695.
8. 3/8" DIA. BOLTS SHALL BE ASTM A449 GR92 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYSStd. SPEC. 719–01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
8. ALL NUTS SHALL BE ASTM A563 HEAVY HEX GRADE DH AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYSStd. SPEC. 719–01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
9. ALL WASHERS SHALL BE ASTM F436 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYSStd. SPEC. 719–01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
10. SEE DWG. ST–02 FOR LIMITS OF PROTECTIVE SCREENING.

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK ★ CHRISTINE WAGNER ★ LICENSED No. 094496 PROFESSIONAL ENGINEER

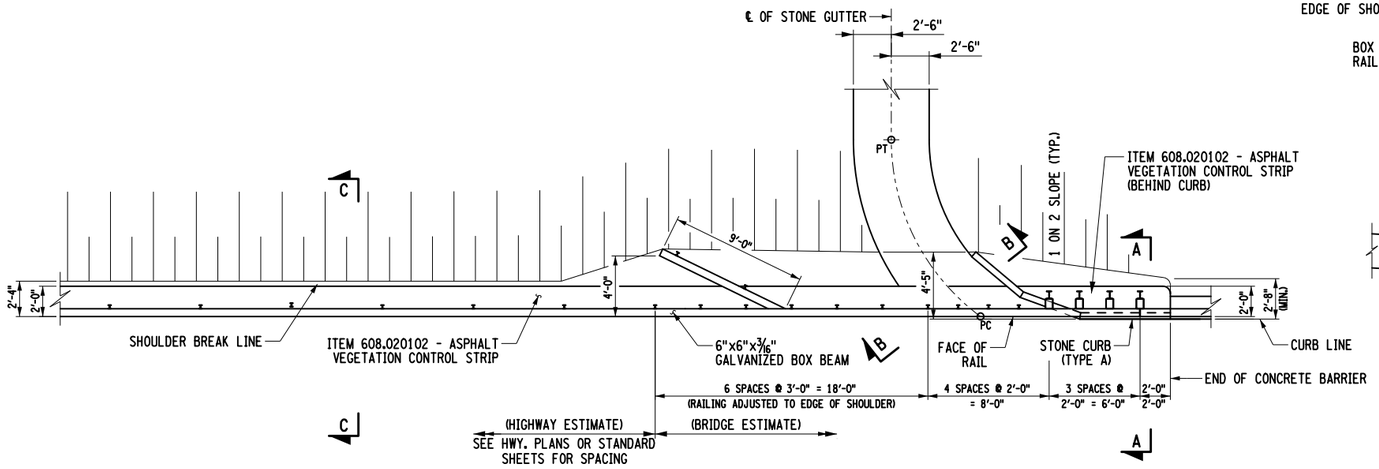
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

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DATE	DESCRIPTION	BY	SYM.

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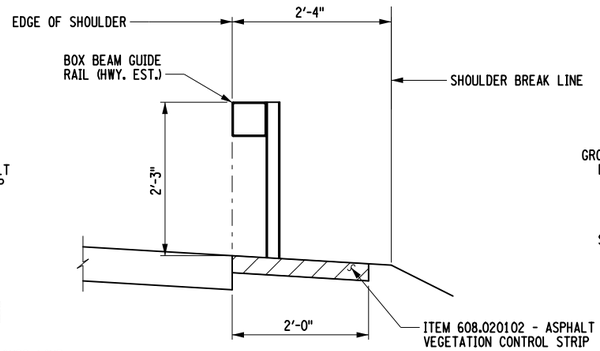
TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: PROTECTIVE SCREENING ELEVATION AND DETAIL	DRAWING NUMBER: ST-51



PLAN

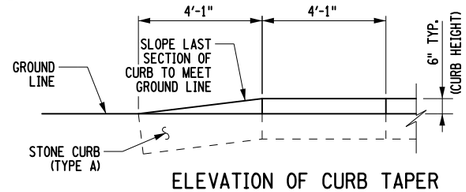
APPROACH SHOULDER WIDTH EQUAL TO STRUCTURE SHOULDER WIDTH

NOT TO SCALE



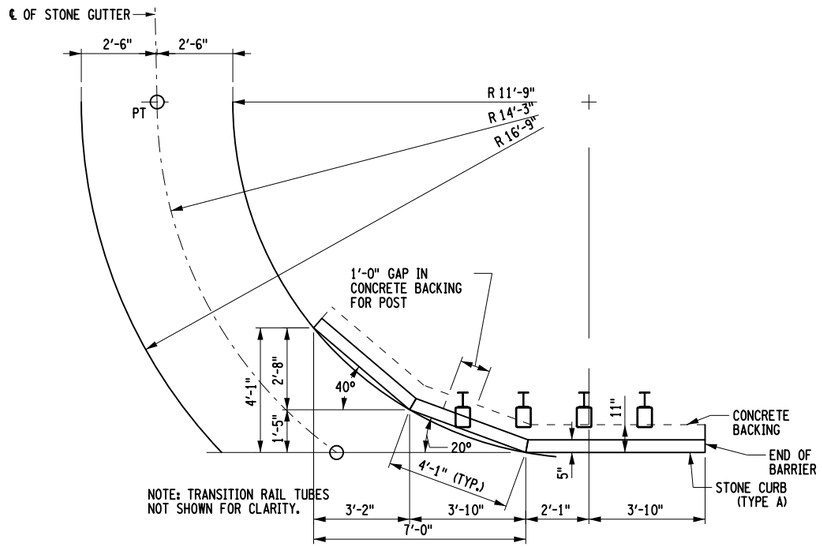
SECTION C-C

NOT TO SCALE

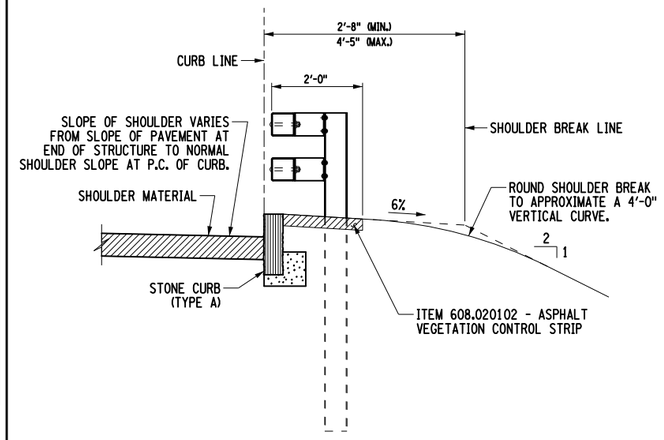


ELEVATION OF CURB TAPER

NOT TO SCALE

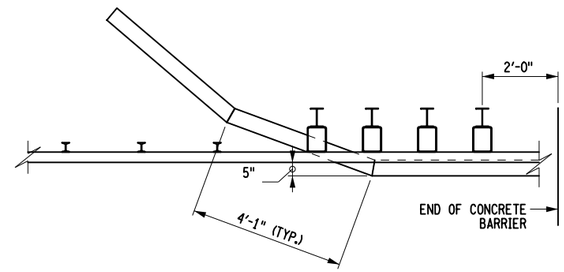


LAYOUT OF DRAINAGE CURBING AND STONE GUTTER



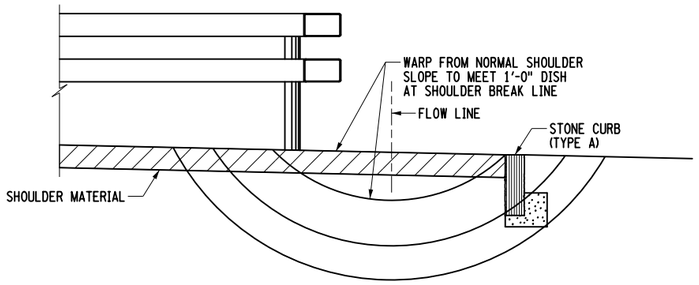
SECTION A-A

NOT TO SCALE



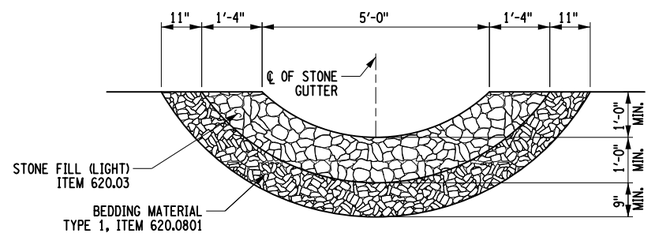
DRAINAGE CURB OFFSET FOR CONCRETE BARRIER

NOT TO SCALE



SECTION B-B

NOT TO SCALE



SECTION THRU STONE GUTTER

NOT TO SCALE

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

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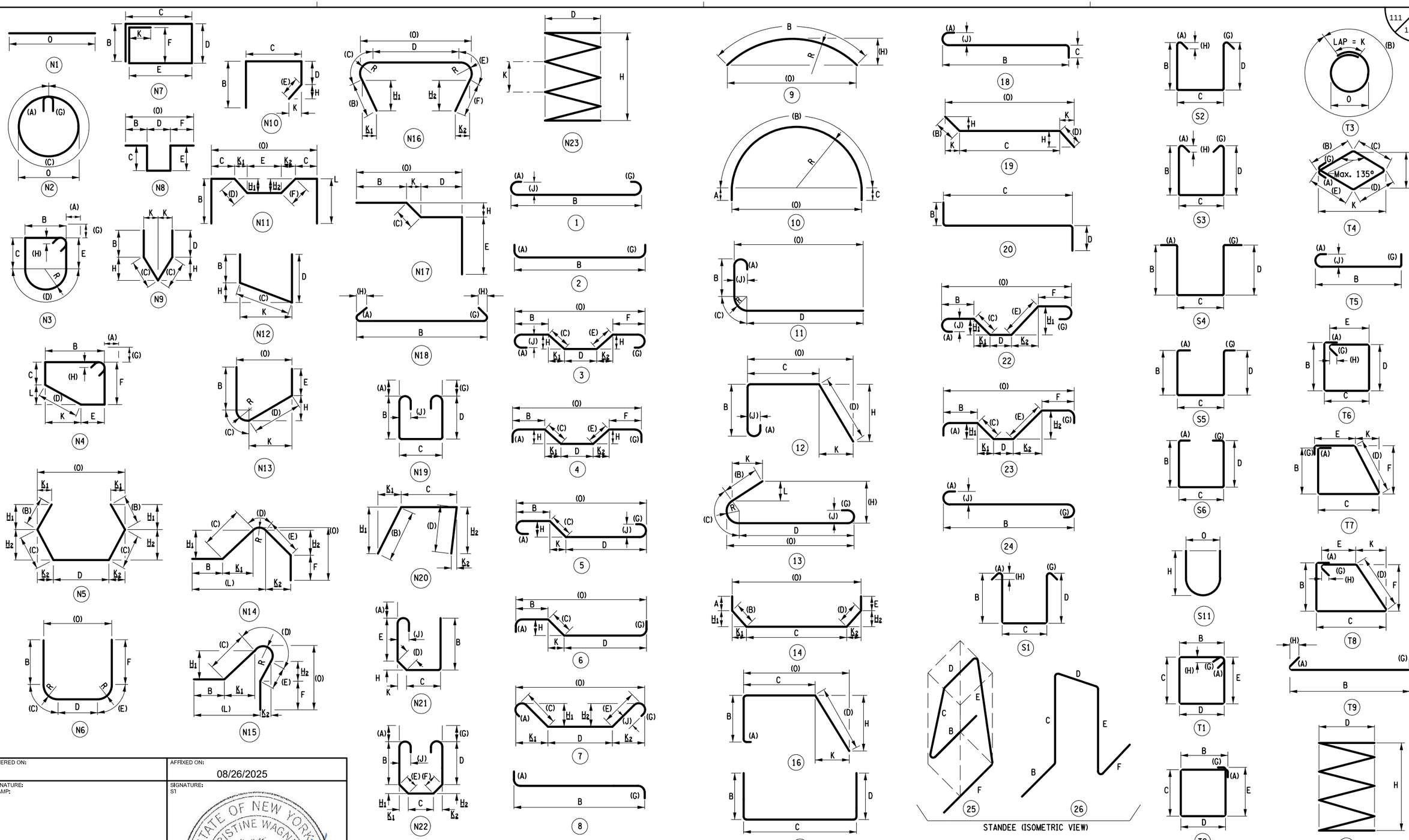
NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: DRAINAGE DETAILS	DRAWING NUMBER: ST-52

DESIGN SUPERVISOR: D. LIVERMORE
DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
PW:

PW:/

DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGNED BY: C. WAGNER
DESIGN SUPERVISOR: D. LIVERMORE
B. WARTHLING



( ) - DENOTES COMPUTER GENERATED DIMENSION

M.P. 113.89, BIN 5513230

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

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DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: BAR BENDING DIAGRAM

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-53

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R
SUPERSTRUCTURE SLAB - STAGE IIB																			
4SG1	175	35-0	N1	4092														35-0	
4SG2	170	35-0	N1	3975														35-0	
4SG3	244	28-2 1/4	1	4594	0-6	27-4					0-0			0-4 1/4					
4SG4	243	27-4	N1	4436														27-4	
6SG5	68	29-11	N1	3055														29-11	
6SG6	243	8-3 3/4	1	3034	0-7 3/4	7-2					0-0			0-6					
5SG7	30	35-7	N1	1113														35-7	
4SG8	4	3-4	N12	9		1-5 1/4	1-10 1/2	0-0				1-4			1-4				
SUBTOTAL GALV. BARS				24309 LB	THIS POUR														

SUPERSTRUCTURE SLAB - STAGE IVB																			
4SG1	175	35-0	N1	4092														35-0	
4SG2	170	35-0	N1	3975														35-0	
4SG3	244	28-2 1/4	1	4594	0-6	27-4					0-0			0-4 1/4					
4SG4	243	27-4	N1	4436														27-4	
6SG5	68	29-11	N1	3055														29-11	
6SG6	243	8-3 3/4	1	3034	0-7 3/4	7-2					0-0			0-6					
5SG7	30	35-7	N1	1113														35-7	
4SG8	4	3-4	N12	9		1-5 1/4	1-10 1/2	0-0				1-4			1-4				
SUBTOTAL GALV. BARS				24309 LB	THIS POUR														

SUPERSTRUCTURE SLAB - STAGE IVC - CLOSURE POUR																			
4SG1	30	35-0	N1	701														35-0	
4SG2	35	35-0	N1	818														35-0	
6SG5	150	29-11	N1	6740														29-11	
SUBTOTAL GALV. BARS				8260 LB	THIS POUR														

BEGIN SLEEPER SLAB - STAGE IIB																			
5HG1	23	4-6	17	108		1-6	1-6	1-6											
5HG2	46	5-6	N1	264														5-6	
5HG3	17	21-5	N1	380														21-5	
SUBTOTAL GALV. BARS				752 LB	THIS POUR														

END SLEEPER SLAB - STAGE IIB																			
5HG1	23	4-6	17	108		1-6	1-6	1-6											
5HG2	46	5-6	N1	264														5-6	
5HG3	17	21-5	N1	380														21-5	
SUBTOTAL GALV. BARS				752 LB	THIS POUR														

BEGIN SLEEPER SLAB - STAGE IVB																			
5HG1	28	4-6	17	131		1-6	1-6	1-6											
5HG2	56	5-6	N1	321														5-6	
5HG4	17	26-9	N1	474														26-9	
SUBTOTAL GALV. BARS				927 LB	THIS POUR														

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R
END SLEEPER SLAB - STAGE IVB																			
5HG1	28	4-6	17	131		1-6	1-6	1-6											
5HG2	56	5-6	N1	321														5-6	
5HG4	17	26-9	N1	474														26-9	
SUBTOTAL GALV. BARS				927 LB	THIS POUR														

BEGIN APPROACH SLAB - STAGE IIB																			
5HG5	66	24-6	N1	1686														24-6	
5HG6	52	21-5	N1	1162														21-5	
SUBTOTAL GALV. BARS				2848 LB	THIS POUR														

END APPROACH SLAB - STAGE IIB																			
5HG5	66	24-6	N1	1686														24-6	
5HG6	52	21-5	N1	1162														21-5	
SUBTOTAL GALV. BARS				2848 LB	THIS POUR														

BEGIN APPROACH SLAB - STAGE IVB																			
5HG5	82	24-6	N1	2095														24-6	
5HG7	52	26-9	N1	1451														26-9	
SUBTOTAL GALV. BARS				3546 LB	THIS POUR														

END APPROACH SLAB - STAGE IVB																			
5HG5	82	24-6	N1	2095														24-6	
5HG7	52	26-9	N1	1451														26-9	
SUBTOTAL GALV. BARS				3546 LB	THIS POUR														

SINGLE SLOPE CONCRETE BARRIER - STAGE IIB																			
5BG1	238	3-0	N1	745														3-0	
6BG2	206	4-1	N12	1263		3-1	1-0	0-0				0-2 1/4			0-11 3/4				
5BG3	206	6-6	N13	1397		2-9 3/4	0-8 3/4	2-11 1/4	0-0			2-10 1/2			0-7 1/2			1-1 1/2	0-3
7BG4	60	36-4	N1	4456														36-4	
		AVG.					AVG.					AVG.			AVG.				
6BG5	32	4-1	N12	196		3-1	1-0	0-0				0-1			0-11 3/4				
6BG5	H/H1	VARIES	FROM		0-0	TO	0-2 1/4	(2	SETS OF	16)									
6BG5	K/K1	VARIES	FROM		1-0	TO	0-11 3/4	(2	SETS OF	16)									
		AVG.					AVG.	AVG.				AVG.			AVG.			AVG.	
5BG6	32	6-5	N13	214		2-9 3/4	0-9	2-10 1/2	0-0			2-10			0-3 3/4			0-9 3/4	0-3
5BG6	H/H1	VARIES	FROM		2-9 3/4	TO	2-10 1/2	(2	SETS OF	16)									
5BG6	K/K1	VARIES	FROM		0-0	TO	0-7 1/2	(2	SETS OF	16)									
5BG7	24	6-1	S11	152								2-8						0-6	
6BG8	24	4-1	14	147	0-0	2-0	1-0 3/4	1-0	0-0			1-5	0-8 3/4		1-5	0-8 1/4		3-2	
5BG9	24	5-7	S11	140								2-5						0-6	
SUBTOTAL GALV. BARS				8710 LB	THIS POUR														

DESIGN SUPERVISOR: D. LIVERMORE
DESIGNED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
PW:/ B. WARTHLING

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

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CHRISTINE WAGNER
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DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

M.P. 113.89, BIN 5513230

TITLE OF PROJECT: BRIDGE REPLACEMENT INTERCHANGE 21	CONTRACT NUMBER: TAA 25-21B
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89	DATE: 08/26/2025
TITLE OF DRAWING: BAR LIST (SHEET 1 OF 7)	DRAWING NUMBER: ST-54

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R
SINGLE SLOPE CONCRETE BARRIER - STAGE IVB																			
5BG1	238	3-0	N1	745														3-0	
6BG2	206	4-1	N12	1263		3-1	1-0	0-0				0-2¼			0-11¾				
5BG3	206	6-6	N13	1397		2-9¾	0-8¾	2-11¼	0-0			2-10½			0-7½			1-1½	0-3
7BG4	60	36-4	N1	4456														36-4	
		AVG.					AVG.					AVG.			AVG.				
6BG5	32	4-1	N12	196		3-1	1-0	0-0				0-1			0-11¾				
6BG5	H/H1	VARIES	FROM		0-0	TO	0-2¼	(2	SETS OF	16)									
6BG5	K/K1	VARIES	FROM		1-0	TO	0-11¾	(2	SETS OF	16)									
		AVG.					AVG.	AVG.				AVG.			AVG.			AVG.	
5BG6	32	6-5	N13	214		2-9¾	0-9	2-10½	0-0			2-10			0-3¾			0-9¾	0-3
5BG6	H/H1	VARIES	FROM		2-9¾	TO	2-10½	(2	SETS OF	16)									
5BG6	K/K1	VARIES	FROM		0-0	TO	0-7½	(2	SETS OF	16)									
5BG7	24	6-1	S11	152								2-8						0-6	
6BG8	24	4-1	14	147	0-0	2-0	1-0¾	1-0	0-0			1-5	0-8¾		1-5	0-8¼		3-2	
5BG9	24	5-7	S11	140								2-5						0-6	
SUBTOTAL GALV. BARS 8710 LB THIS POUR																			
TOTAL GALV. BARS 12789 LB IN APPROACH SLAB																			
TOTAL GALV. BARS 17421 LB IN BARRIER																			
TOTAL GALV. BARS 56877 LB IN SUPERSTRUCTURE SLAB																			
TOTAL GALV. BARS 3357 LB IN SLEEPER SLAB																			
TOTAL GALV. BARS 90444 LB ENTIRE STRUCTURE																			

M.P. 113.89, BIN 5513230

PW:/

DESIGNED BY: C. WAGNER
CHECKED BY: C. WAGNER
DRAFTED BY: C. WAGNER
CHECKED BY: B. WARTHLING
DESIGN SUPERVISOR: D. LIVERMORE

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: S1

STATE OF NEW YORK · CHRISTINE WAGNER · No. 094496 · 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: BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT: ALBANY DIVISION MP 113.89
TITLE OF DRAWING: BAR LIST (SHEET 2 OF 7)

CONTRACT NUMBER: TAA 25-21B
DATE: 08/26/2025
DRAWING NUMBER: ST-55

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
BEGIN ABUTMENT																				
PLACEMENT 1 - ABUTMENT & WINGWALL FOOTING (PAID FOR UNDER ITEM 556.0203)																				
7AG1	56	7	9'-9"	2	1117	1'-3"	8'-6"													
7AG2	14	7	11'-2"	2	320	1'-3"	9'-11"													VARIABLE LENGTH
6AG4	36	6	15'-2"	2	821	1'-0"	14'-2"													
5AG5	34	5	14'-7"	2	517	0'-6"	14'-1"													
6AG6	20	6	25'-0"	STR	751													25'-0"		
7WG1	46	7	10'-9"	2	1011	1'-3"	9'-6"													
7WG2	6	7	11'-3"	2	138	1'-3"	10'-0"													SPLAYED AT EQ. SPACING
6WG3	16	6	21'-6"	STR	517													21'-6"		
6WG4	6	6	25'-0"	STR	226													25'-0"		
5WG5	66	5	19'-2"	2	1321	0'-6"	18'-8"													
SUBTOTAL					6739															
PLACEMENT 2 - STEMWALL (PAID FOR UNDER ITEM 556.0203)																				
5AG7	34	5	25'-0"	STR	887													25'-0"		
5AG9	16	5	7'-7"	16	127			4'-9"	2'-10"				2'-0"			2'-0"		6'-9"		
5AG10	16	5	5'-3"	16	88			2'-11"	2'-4"				0'-8"			2'-3"		5'-2"		
5AG11	34	5	4'-7"	16	163			1'-9"	2'-10"				0'-2"			2'-10"		4'-7"		
5AG12	34	5	3'-6"	16	125			0'-9"	2'-9"				2'-0"			2'-0"		2'-9"		
8AG13	7	8	25'-0"	STR	468													25'-0"		
5AG20	24	5	3'-0"	2	76	0'-6"	2'-6"													PEDESTAL DOWELS
SUBTOTAL					1934															
PLACEMENT 3 - PEDESTALS (PAID FOR UNDER ITEM 556.0203)																				
5AG21	5	5	11'-1"	T1	58	0'-7"	2'-6"	2'-6"	2'-6"	2'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
SUBTOTAL					58															
PLACEMENT 4 - WINGWALL (PAID FOR UNDER ITEM 556.0203)																				
5WG6	22	5	19'-8"	16	452			18'-10"	0'-10"				0'-3"			0'-10"		19'-8"		VARIABLE LENGTH (TRIM TO FIT)
5WG7	22	5	19'-1"	16	438			15'-5"	3'-8"				1'-0"			3'-5"		18'-10"		VARIABLE LENGTH (TRIM TO FIT)
SUBTOTAL					890															
PLACEMENT 5 - BACKWALL (PAID FOR UNDER ITEM 556.0203)																				
6AG14	17	6	24'-2"	STR	618													24'-2"		
5AG16	33	5	4'-5"	17	153		1'-2"	3'-3"												
5AG17	33	5	7'-8"	17	264		3'-3"	1'-2"	3'-3"											
5AG18	25	5	6'-9"	17	177		3'-0"	3'-9"												
5AG19	20	5	3'-11"	1	82	0'-7"	2'-9"					0'-7"			0'-5"					
6AG20	37	6	20'-1"	3	1116	0'-8"	2'-5"	17'-0"					14'-9"		0'-6"	8'-6"				
SUBTOTAL					2410															
TOTAL (STAGE II)					12031															

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

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 08/26/2025

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
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

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISON
MP 113.89

TITLE OF DRAWING
BAR LIST
(SHEET 3 OF 7)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
ST-56

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
BEGIN ABUTMENT																				
STAGE IV																				
PLACEMENT 6 - ABUTMENT & WINGWALL FOOTING (PAID FOR UNDER ITEM 556.0203)																				
7AG1	62	7	9'-9"	2	1236	1'-3"	8'-6"													
7AG2	14	7	11'-2"	2	320	1'-3"	9'-11"													VARIABLE LENGTH
6AG3	20	6	27'-0"	STR	812													27'-0"		
6AG4	40	6	15'-2"	2	912	1'-0"	14'-2"													
5AG5	38	5	14'-7"	2	578	0'-6"	14'-1"													
7WG1	46	7	20'-5"	2	1920	1'-3"	9'-6"											9'-8"		
7WG2	12	7	21'-3"	2	522	1'-3"	10'-0"											10'-0"		SPLAYED AT EQ. SPACING
6WG3	16	6	21'-6"	STR	517													21'-6"		
6WG4	6	6	25'-0"	STR	226													25'-0"		
5WG5	66	5	19'-2"	2	1321	0'-6"	18'-8"													
SUBTOTAL					8364															
PLACEMENT 7 - STEMWALL (PAID FOR UNDER ITEM 556.0203)																				
5AG8	34	5	27'-0"	STR	958													27'-0"		
5AG9	16	5	7'-7"	16	127			4'-9"	2'-10"				2'-0"			2'-0"		6'-9"		
5AG10	16	5	5'-3"	16	88			2'-11"	2'-4"				0'-8"			2'-3"		5'-2"		
5AG11	38	5	4'-7"	16	182			1'-9"	2'-10"				0'-2"			2'-10"		4'-7"		
5AG12	38	5	3'-6"	16	139			0'-9"	2'-9"				2'-0"			2'-0"		2'-9"		
8AG13	7	8	27'-0"	STR	505													27'-0"		
5AG20	24	5	3'-0"	2	76	0'-6"	2'-6"													PEDESTAL DOWELS
SUBTOTAL					2075															
PLACEMENT 8 - PEDESTALS (PAID FOR UNDER ITEM 556.0203)																				
5AG21	5	5	11'-1"	T1	58	0'-7"	2'-6"	2'-6"	2'-6"	2'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
SUBTOTAL					58															
PLACEMENT 9 - WINGWALL (PAID FOR UNDER ITEM 556.0203)																				
5WG6	22	5	19'-8"	16	452			18'-10"	0'-10"				0'-3"			0'-10"		19'-8"		VARIABLE LENGTH (TRIM TO FIT)
5WG7	22	5	19'-1"	16	438			15'-5"	3'-8"				1'-0"			3'-5"		18'-10"		VARIABLE LENGTH (TRIM TO FIT)
SUBTOTAL					890															
PLACEMENT 10 - BACKWALL (PAID FOR UNDER ITEM 556.0203)																				
6AG15	17	6	27'-3"	STR	696													27'-3"		
5AG16	33	5	4'-5"	17	153		1'-2"	3'-3"												
5AG17	33	5	7'-8"	17	264		3'-3"	1'-2"	3'-3"											
5AG18	25	5	6'-9"	17	177		3'-0"	3'-9"												
5AG19	20	5	3'-11"	1	82	0'-7"	2'-9"					0'-7"			0'-5"					
6AG20	37	6	20'-1"	3	1116	0'-8"	2'-5"	17'-0"					14'-9"		0'-6"	8'-6"				
SUBTOTAL					2488															
PLACEMENT 11 - BACKWALL (PAID FOR UNDER ITEM 556.0203)																				
6AG24	17	6	3'-2"	STR	81													3'-2"		
5AG16	5	5	4'-5"	17	24		1'-2"	3'-3"												
5AG17	5	5	7'-8"	17	40		3'-3"	1'-2"	3'-3"											
5AG18	4	5	6'-9"	17	29		3'-0"	3'-9"												
5AG19	4	5	3'-11"	1	17	0'-7"	2'-9"					0'-7"			0'-5"					
6AG20	5	6	20'-1"	3	151	0'-8"	2'-5"	17'-0"					14'-9"		0'-6"	8'-6"				
SUBTOTAL					342															
TOTAL (STAGE IV)					14217															
BEGIN ABUTMENT TOTAL (STAGES I & II)					26248															

PW:/

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

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
LICENSED PROFESSIONAL ENGINEER
097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISON
MP 113.89

TITLE OF DRAWING
BAR LIST
(SHEET 4 OF 7)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
ST-57

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
BEGIN ABUTMENT																				
STAGE II																				
PLACEMENT 1 - FOOTING (PAID FOR UNDER ITEM 556.0203)																				
7PG1	37	7	8'-9"	2	662	1'-3"	7'-6"													
6PG2	28	6	8'-6"	2	358	1'-0"	7'-6"													VARIABLE LENGTH
6PG3	16	6	27'-5"	STR	659													27'-5"		
9PG5	101	9	17'-8"	2	6067	1'-8"	16'-0"													
4PG13	40	4	3'-5"	T9	92	0'-5"	2'-7"					0'-5"	0'-3"					26'-0"		
4PG14	154	4	4'-6"	T9	463	0'-5"	3'-8"					0'-5"	0'-3"					26'-0"		TIE AROUND VERTICAL BARS
5PG18	6	5	7'-3"	STR	46													7'-3"		DIAGONAL AT INTERFACE WITH EXIST FTG
SUBTOTAL																				
PLACEMENT 2 - PIER WALL (PAID FOR UNDER ITEM 556.0203)																				
9PG6	101	9	14'-0"	STR	4808													14'-0"		
6PG7	42	6	22'-11"	STR	1446													22'-11"		
8PG9	8	8	24'-11"	STR	533													24'-11"		
6PG12	21	6	15'-8"	S3	494								6'-0"					3'-8"		
6PG11	25	6	7'-7"	2	285	2'-0"	3'-7"	2'-0"												
4PG14	500	4	4'-6"	T9	1504	0'-5"	3'-8"					0'-5"	0'-3"					26'-0"		TIE AROUND VERTICAL BARS
6PG15	40	6	3'-6"	2	211	1'-0"	2'-6"													
SUBTOTAL					9281															
PLACEMENT 3 - PEDESTALS (PAID FOR UNDER ITEM 556.0203)																				
5PG17	2	5	15'-1"	T1	32	0'-7"	3'-6"	3'-6"	3'-6"	3'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
5PG18	1	5	17'-1"	N3	18	0'-7"	3'-6"	3'-6"	5'-6"	3'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
SUBTOTAL					50															
TOTAL (STAGE II)					17678															
STAGE IV																				
PLACEMENT 4 - FOOTING (PAID FOR UNDER ITEM 556.0203)																				
7PG1	48	7	8'-9"	2	859	1'-3"	7'-6"													
6PG2	36	6	8'-6"	2	460	1'-0"	7'-6"													VARIABLE LENGTH
6PG3	16	6	33'-10"	STR	813													33'-10"		
9PG5	130	9	17'-8"	2	7809	1'-8"	16'-0"													
4PG13	40	4	3'-5"	T9	92	0'-5"	2'-7"					0'-5"	0'-3"					26'-0"		
4PG14	200	4	4'-6"	T9	602	0'-5"	3'-8"					0'-5"	0'-3"					26'-0"		TIE AROUND VERTICAL BARS
SUBTOTAL					10635															
PLACEMENT 5 - PIER WALL (PAID FOR UNDER ITEM 556.0203)																				
9PG6	130	9	14'-0"	STR	6188													14'-0"		
6PG8	42	6	27'-8"	STR	1746													27'-8"		
8PG9	8	8	24'-11"	STR	533													24'-11"		
6PG12	21	6	15'-8"	S3	494								6'-0"					3'-8"		
6PG11	28	6	7'-7"	2	319	2'-0"	3'-7"	2'-0"												
4PG14	540	4	4'-6"	T9	1624	0'-5"	3'-8"					0'-5"	0'-3"					26'-0"		TIE AROUND VERTICAL BARS
6PG15	40	6	3'-6"	2	211	1'-0"	2'-6"													
SUBTOTAL					11115															
PLACEMENT 6 - PEDESTALS (PAID FOR UNDER ITEM 556.0203)																				
5PG17	2	5	15'-1"	T1	32	0'-7"	3'-6"	3'-6"	3'-6"	3'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
5PG18	1	5	17'-1"	N3	18	0'-7"	3'-6"	3'-6"	5'-6"	3'-6"		0'-7"	0'-4"						1'-9"	PEDESTAL HOOPS
SUBTOTAL					50															
TOTAL (STAGE IV)					21800															
PIER TOTAL (STAGES I & II)					39478															

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

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISON
MP 113.89

TITLE OF DRAWING
BAR LIST
(SHEET 5 OF 7)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
ST-58

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
END ABUTMENT																				
PLACEMENT 1 - ABUTMENT & WINGWALL FOOTING (PAID FOR UNDER ITEM 556.0203)																				
7AG1	56	7	9'-9"	STR	1117	1'-3"	8'-6"													
7AG2	14	7	11'-2"	STR	320	1'-3"	9'-11"													VARIABLE LENGTH
6AG23	36	6	11'-11"	2	645	1'-0"	10'-11"													
5AG24	34	5	11'-4"	2	403	0'-6"	10'-10"													
6AG6	20	6	25'-0"	STR	751													25'-0"		
7WG1	36	7	9'-6"	STR	700													9'-6"		
7WG2	12	7	10'-0"	STR	246													10'-0"		SPLAYED AT EQ. SPACING
6WG9	16	6	17'-10"	STR	429													17'-10"		
6WG10	6	6	21'-5"	STR	194													21'-5"		
5WG11	54	5	15'-11"	2	898	0'-6"	15'-5"													
SUBTOTAL					5703															
PLACEMENT 2 - STEMWALL (PAID FOR UNDER ITEM 556.0203)																				
5AG7	24	5	25'-0"	STR	626													25'-0"		
5AG9	12	5	7'-7"	16	95			4'-9"	2'-10"				2'-0"			2'-0"		6'-9"		
5AG10	12	5	5'-3"	16	66			2'-11"	2'-4"				0'-8"			2'-3"		5'-2"		
5AG11	34	5	4'-7"	16	163			1'-9"	2'-10"				0'-2"			2'-10"		4'-7"		
5AG12	34	5	3'-6"	16	125			0'-9"	2'-9"				2'-0"			2'-0"		2'-9"		
8AG13	7	8	25'-0"	STR	468													25'-0"		
5AG20	24	5	3'-0"	2	76	0'-6"	2'-6"													PEDESTAL DOWELS
SUBTOTAL					1619															
PLACEMENT 3 - PEDESTALS (PAID FOR UNDER ITEM 556.0203)																				
5AG21	5	5	11'-1"	T1	58	0'-7"	2'-6"	2'-6"	2'-6"	2'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
SUBTOTAL					58															
PLACEMENT 4 - WINGWALL (PAID FOR UNDER ITEM 556.0203)																				
5WG12	22	5	16'-0"	16	368			15'-2"	0'-10"				0'-9"			0'-10"		16'-0"		VARIABLE LENGTH (TRIM TO FIT)
5WG13	22	5	15'-4"	16	352			11'-10"	3'-6"				1'-0"			3'-5"		15'-3"		VARIABLE LENGTH (TRIM TO FIT)
SUBTOTAL					720															
PLACEMENT 5 - BACKWALL (PAID FOR UNDER ITEM 556.0203)																				
6AG14	17	6	24'-2"	STR	618													24'-2"		
5AG16	33	5	4'-5"	17	153		1'-2"	3'-3"												
5AG17	33	5	7'-8"	17	264		3'-3"	1'-2"	3'-3"											
5AG18	25	5	6'-9"	17	177		3'-0"	3'-9"												
5AG19	20	5	3'-11"	1	82	0'-7"	2'-9"					0'-7"			0'-5"					
6AG20	37	6	20'-1"	3	1116	0'-8"	2'-5"	17'-0"					14'-9"		0'-6"	8'-6"				
SUBTOTAL					2410															
TOTAL (STAGE II)					10510															

ALTERED ON:	AFFIXED ON: 08/26/2025
SIGNATURE: STAMP:	SIGNATURE: Daniel A. Levine STATE OF NEW YORK DANIEL A LEVINE LICENSED PROFESSIONAL ENGINEER 097330

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE | Thruway Authority

PARSONS

TITLE OF PROJECT	BRIDGE REPLACEMENT INTERCHANGE 21
LOCATION OF PROJECT	ALBANY DIVISON MP 113.89
TITLE OF DRAWING	BAR LIST (SHEET 6 OF 7)
CONTRACT NUMBER:	TAA 25-21B
DATE:	08/26/2025
DRAWING NUMBER:	ST-59

PW:/

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

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
END ABUTMENT																				
STAGE IV																				
PLACEMENT 6 - ABUTMENT & WINGWALL FOOTING (PAID FOR UNDER ITEM 556.0203)																				
7AG1	62	7	9'-9"	STR	1236	1'-3"	8'-6"													
7AG2	14	7	11'-2"	STR	320	1'-3"	9'-11"													VARIABLE LENGTH
6AG3	20	6	27'-0"	STR	812													27'-0"		
6AG23	40	6	11'-11"	2	716	1'-0"	10'-11"													
5AG24	38	5	11'-4"	2	451	0'-6"	10'-10"													
7WG1	36	7	10'-11"	STR	804	1'-3"	9'-8"													
7WG2	12	7	11'-3"	STR	276	1'-3"	10'-0"													SPLAYED AT EQ. SPACING
6WG9	16	6	17'-10"	STR	429													17'-10"		
6WG10	6	6	21'-5"	STR	194													21'-5"		
5WG11	54	5	15'-11"	2	898	0'-6"	15'-5"													
SUBTOTAL					6136															
PLACEMENT 7 - STEMWALL (PAID FOR UNDER ITEM 556.0203)																				
5AG8	24	5	27'-0"	STR	676													27'-0"		
5AG9	12	5	7'-7"	16	95			4'-9"	2'-10"				2'-0"			2'-0"		6'-9"		
5AG10	12	5	5'-3"	16	66			2'-11"	2'-4"				0'-8"			2'-3"		5'-2"		
5AG11	38	5	4'-7"	16	182			1'-9"	2'-10"				0'-2"			2'-10"		4'-7"		
5AG12	38	5	3'-6"	16	139			0'-9"	2'-9"				2'-0"			2'-0"		2'-9"		
8AG13	7	8	27'-0"	STR	505													27'-0"		
5AG20	24	5	3'-0"	2	76	0'-6"	2'-6"													PEDESTAL DOWELS
SUBTOTAL					1739															
PLACEMENT 8 - PEDESTALS (PAID FOR UNDER ITEM 556.0203)																				
5AG21	5	5	11'-1"	T1	58	0'-7"	2'-6"	2'-6"	2'-6"	2'-6"		0'-7"	0'-4"							PEDESTAL HOOPS
SUBTOTAL					58															
PLACEMENT 9 - WINGWALL (PAID FOR UNDER ITEM 556.0203)																				
5WG12	22	5	16'-0"	16	368			15'-2"	0'-10"				0'-9"			0'-10"		16'-0"		VARIABLE LENGTH (TRIM TO FIT)
5WG13	22	5	15'-4"	16	352			11'-10"	3'-6"				1'-0"			3'-5"		15'-3"		VARIABLE LENGTH (TRIM TO FIT)
SUBTOTAL					720															
PLACEMENT 10 - BACKWALL (PAID FOR UNDER ITEM 556.0203)																				
6AG14	17	6	24'-2"	STR	618													24'-2"		
5AG16	33	5	4'-5"	17	153		1'-2"	3'-3"												
5AG17	33	5	7'-8"	17	264		3'-3"	1'-2"	3'-3"											
5AG18	25	5	6'-3"	17	163		3'-0"	3'-3"												
5AG19	20	5	3'-11"	1	82	0'-7"	2'-9"					0'-7"			0'-5"					
6AG20	37	6	20'-1"	3	1116	0'-8"	2'-5"	17'-0"					14'-9"		0'-6"	8'-6"				
SUBTOTAL					2396															
PLACEMENT 11 - BACKWALL (PAID FOR UNDER ITEM 556.0203)																				
6AG24	17	6	3'-2"	STR	81													3'-2"		
5AG16	5	5	4'-5"	17	24		1'-2"	3'-3"												
5AG17	5	5	7'-8"	17	40		3'-3"	1'-2"	3'-3"											
5AG18	4	5	6'-9"	17	29		3'-0"	3'-9"												
5AG19	4	5	3'-11"	1	17	0'-7"	2'-9"					0'-7"			0'-5"					
6AG20	5	6	20'-1"	3	151	0'-8"	2'-5"	17'-0"					14'-9"		0'-6"	8'-6"				
SUBTOTAL					342															
TOTAL (STAGE IV)					11391															
END ABUTMENT TOTAL (STAGES I & II)					21901															

PW:/

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

ALTERED ON:

AFFIXED ON: 08/26/2025

SIGNATURE:
STAMP:

SIGNATURE: Daniel A. Levine
STAMP:

STATE OF NEW YORK
DANIEL A LEVINE
097330
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

PARSONS

TITLE OF PROJECT
BRIDGE REPLACEMENT
INTERCHANGE 21

LOCATION OF PROJECT
ALBANY DIVISON
MP 113.89

TITLE OF DRAWING
BAR LIST
(SHEET 7 OF 7)

CONTRACT NUMBER:
TAA 25-21B

DATE:
08/26/2025

DRAWING NUMBER:
ST-60