NEW YORK STATE OF OPPORTUNITY. | Thruway Authority

SYRACUSE DIVISION

PLANS FOR

REHABILITATION

OF THE

I-90 WB BRIDGE OVER CAYUGA-SENECA CANAL AND INTERCHANGE 41 BRIDGE OVER I-90

AT

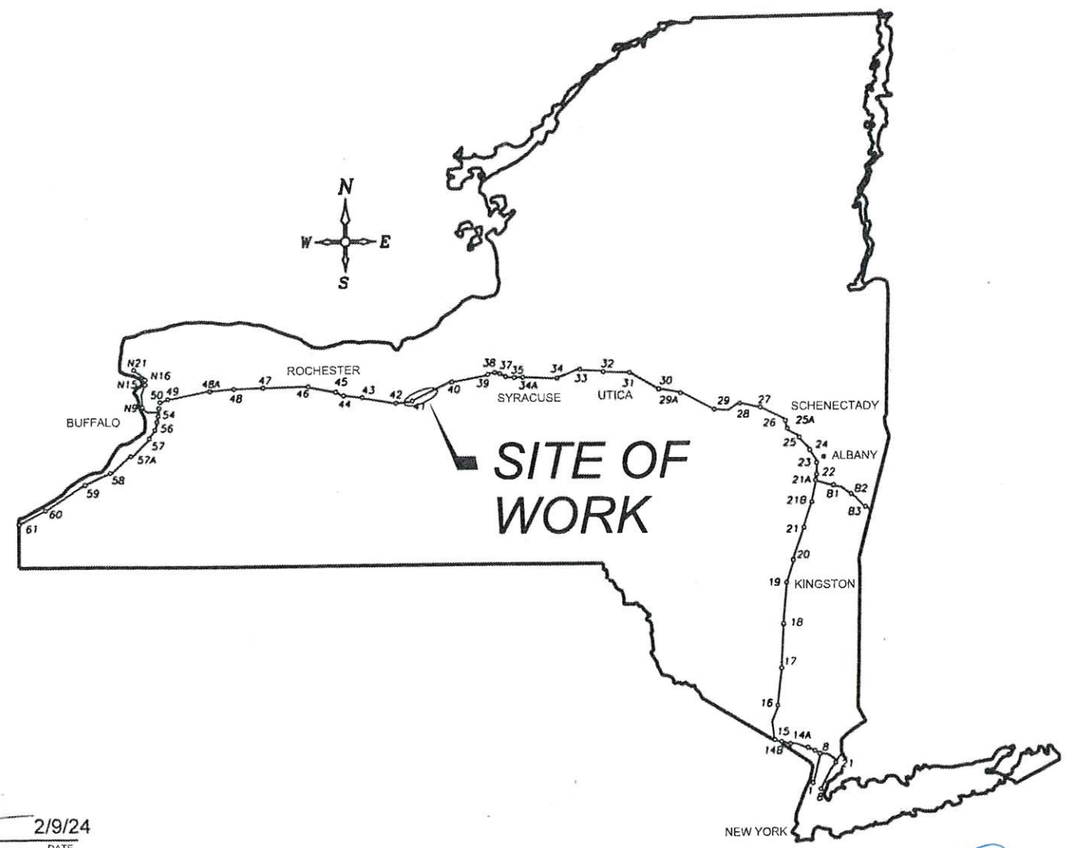
MILEPOSTS 313.82 & 320.41

IN

SENECA COUNTY

TAS 24-16B **D214970**

50 SHEETS **BINS 4435021 & 5510440**



TYPE OF CONSTRUCTION:

BIN 4435021 AT MP 313.82: BRIDGE JOINT REHABILITATION
BIN 5510440 AT MP 320.41: DECK REPLACEMENT OF SPAN 2 AND SPAN 3 AND BRIDGE JOINT REHABILITATION

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% MUNICIPALITY
N/A

100% AUTHORITY
ALL BRIDGE AND ROADWAY ELEMENTS

LOAD RATING TABLE FOR BIN 5510440 AT MP 320.41		
CONTROLLING MEMBER	INVENTORY LOAD RATING	OPERATING LOAD RATING
SPAN 2 (LFR) EXTERIOR STRINGER	HS 29 (53 TONS US)	HS 49 (89 TONS US)
SPAN 3 (LFR) EXTERIOR STRINGER	HS 28 (51 TONS US)	HS 47 (84 TONS US)
SPAN 2 (LRFR) EXTERIOR STRINGER	1.35	1.75
SPAN 3 (LRFR) EXTERIOR STRINGER	1.23	1.59

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

	PROJECT LIMITS		CONTRACT LIMITS	
	FROM STA.	TO STA.	FROM MP	TO MP
MAINLINE I-90 WESTBOUND	600+95	607+25	313.82	313.82
INTERCHAGE 41 RAMP	N 18+80	N 21+25	320.41	320.41

UDIG NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

PREPARED AND RECOMMENDED BY:
DATE 2/2/2024
ERDMAN ANTHONY ASSOCIATES
CHRISTOPHER SICHAK, P.E.
NYS LICENSE NUMBER - 084524
ERDMAN ANTHONY

LICENSED PROFESSIONAL ENGINEER · STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · 084524

CONTRACTOR'S NAME: .....
AWARD DATE:
COMPLETION DATE: .....
FINAL ACCEPTANCE DATE: .....
INSPECTION FIRM'S NAME: .....
RESIDENT ENG./EIC: .....
FINAL COST TOTAL: .....

FISCAL SHARE	COST(S)

INSPECTION FIRM CONSULTANT STAMP:

RECOMMENDED BY: 2/9/24
DIRECTOR, OFFICE OF DESIGN — DATE

RECOMMENDED BY: 2/12/24
DIVISION DIRECTOR — DATE

RECOMMENDED BY: 2/9/24
TRAFFIC ENGINEER — DATE

RECOMMENDED BY: 02/12/24
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT — DATE
Interim

RECOMMENDED BY: 7/12/24
DIRECTOR OF MAINTENANCE AND OPERATIONS — DATE

APPROVED BY: 2/15/24
CHIEF ENGINEER — DATE

REVIEWED BY:
PROJECT MANAGER:
BUREAU DIRECTOR:

FILE NAME = N:\19710-03-Joint0eck\Drawings\ConstrPlan\Cover Index\B7541_cph_cvr.dgn
DATE/TIME = 2/2/2024 11:44:29 AM
USER = Lindot

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

INDEX		TOTAL NO. SHEETS: 51
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	COVER SHEET	COVER
2	INDEX & ABBREVIATIONS	INDEX
3	LEGEND - LINE SYMBOLOGY	LEG-1
4	LEGEND - POINT SYMBOLOGY	LEG-2
5	TABLE OF STANDARD SHEETS	SS-1
6	GENERAL NOTES	GN-1
7	EROSION AND SEDIMENT CONTROL DETAIL	ECN-1
	BRIDGE PLANS AT MP 313.82 BIN 4435021	
8	STAGE 1 TRAFFIC CONTROL PLAN	TCP1-1
9	STAGE 2 TRAFFIC CONTROL PLAN	TCP1-2
10	TRAFFIC CONTROL SECTIONS	TCP1-3
11	WESTBOUND PLAN & ELEVATION	ST1-1
12	WESTBOUND SECTIONS	ST1-2
13	JOINT DETAILS 1	ST1-3
14	JOINT DETAILS 2	ST1-4
15	JOINT DETAILS 3	ST1-5
16	JOINT DETAILS 4	ST1-6
17	JOINT DETAILS 5	ST1-7
18	JOINT DETAILS 6	ST1-8
19	STANDARD BAR BENDING DETAILS	ST1-9
20	BAR LIST	ST1-10
	BRIDGE PLANS AT MP 320.41 BIN 5510440	
21	STAGE 1 TRAFFIC CONTROL PLAN	TCP2-1
22	STAGE 2 TRAFFIC CONTROL PLAN	TCP2-2
23	GENERAL TRAFFIC CONTROL PLAN	TCP2-3
24	EXISTING PLAN & ELEVATION	ST2-1
25	PROPOSED PLAN & ELEVATION	ST2-2
26	PROFILE	ST2-3
27	STAGING SECTIONS (SPAN 1 AND SPAN 4)	ST2-4
28	STAGING SECTIONS (SPAN 2 AND SPAN 3)	ST2-5
29	PROPOSED TYPICAL SECTIONS	ST2-6
30	PROPOSED TRANSVERSE SECTION (SPAN 2 AND SPAN 3)	ST2-7
31	STEEL DETAILS (SPAN 2)	ST2-8
32	STEEL DETAILS (SPAN 3)	ST2-9
33	HAUNCH TABLE (SPAN 2)	ST2-10
34	HAUNCH TABLE (SPAN 3)	ST2-11
35	MOMENT AND SHEAR & DESIGN LOAD TABLES	ST2-12
36	DECK SLAB PLAN SPAN 2	ST2-13
37	DECK SLAB PLAN SPAN 3	ST2-14
38	DECK SLAB DETAILS	ST2-15
39	OVERHANG RAILING DETAILS	ST2-16
40	MISCELLANEOUS DETAILS	ST2-17
41	JOINT DETAILS 1	ST2-18
42	JOINT DETAILS 2	ST2-19
43	RAILING LAYOUT PLAN	ST2-20
44	RAILING DETAILS SNOW FENCE	ST2-21
45	RAILING DETAILS (1 OF 3)	ST2-22
46	RAILING DETAILS (2 OF 3)	ST2-23
47	RAILING DETAILS (3 OF 3)	ST2-24
48	STANDARD BAR BENDING DETAILS	ST2-25
49	BAR LIST (1 OF 3)	ST2-26
50	BAR LIST (2 OF 3)	ST2-27
51	BAR LIST (3 OF 3)	ST2-28

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: BRIDGE REHABILITATION

LOCATION OF PROJECT: SYRACUSE DIVISION
BIN 4435021 & 5510440 MP 313.82 & MP 320.41

TITLE OF DRAWING: INDEX AND ABBREVIATIONS

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: INDEX

DESIGN SUPERVISOR: P. PRESUTTI
DRAFTED BY: S. BEAMAN
DESIGNED BY: B. HYDE
CHECKED BY: P. PRESUTTI
CHECKED BY: T. LINDO

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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
S	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
x	EFNSV	FENCE, SILT & VEGETATION
x	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

STYLE	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.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: BRIDGE REHABILITATION	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 & 5510440 MP 313.82 & MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: LEGEND - LINE SYMBOLOGY	DRAWING NUMBER: LEG-1

DESIGN SUPERVISOR: P. PRESUTTI
DESIGNED BY: B. HYDE
DRAFTED BY: T. LINDO
CHECKED BY: P. PRESUTTI
CHECKED BY: S. BEAMAN

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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
	AEQNAHD	EQUATION AHEAD
	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
A	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
C	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
A	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

M1 P1 FEE	MFS_P_T	FEE ACQUISITION
M1 P1 PE	MEPS_P_T	EASEMENT, PERMANENT
M1 P1 TE	METS_P_T	EASEMENT, TEMPORARY
M1 P1 TO	METS_P_T	OCCUPANCY, TEMPORARY
M1 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

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: BRIDGE REHABILITATION
LOCATION OF PROJECT: SYRACUSE DIVISION
BIN 4435021 & 5510440 MP 313.82 & MP 320.41
TITLE OF DRAWING: LEGEND - POINT SYMBOLOGY

CONTRACT NUMBER: TAS 24-16B
DATE: FEB. 2024
DRAWING NUMBER: LEG-2

DESIGN SUPERVISOR: P. PRESUTTI
DESIGNED BY: B. HYDE
DRAFTED BY: T. LINDO
CHECKED BY: S. BEAMAN
CHECKED BY: P. PRESUTTI

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USER = Lindot

New York State Thruway Authority Standard Sheets

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

X	SHEET NO.	SUBJECT
	TA 201-01	Clearing and Grubbing *(Dwg. CG)*
	TA 203-01	Shoulder Backup 1R Projects *(Dwg. SB)*
	TA 203-02	Slope Flattening Details
	TA 402-01	Highway Pavement Repair Details *(Dwg. PRD)*
	TA 402-02	Bridge Deck Wearing Course Resurfacing *(Dwg. BDR)*
	TA 402-03	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 611-01	Living Snow Fences
	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
X	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
X	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
X	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 1-27)
	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-32	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 619-34	*Vacant*
	TA 619-35	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-36	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-37	Buffalo Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
X	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
X	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10 ft Treadle Frame (Sheets 1-4)

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

REV. 8/22

Highway Work Type

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

MILEPOST FROM:	313.82						
TO:	320.41						

PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction	X						
Safety Improvements	X						
Drainage							
Rock Slope Remediation							
Pavement Striping	X						
Other:							

PAVEMENT TREATMENT	X	X	X	X	X	X	X
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling							
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							
Full Depth Shoulder Recon							

Structure Work Type

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

MILEPOST:	313.82	320.41					

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

New York State Department of Transportation Standard Sheets

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

TITLE OF PROJECT: BRIDGE REHABILITATION	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 & 5510440 MP 313.82 & MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1

DESIGN SUPERVISOR: TA | DESIGNED BY: TA | DRAFTED BY: TA | CHECKED BY: TA | CHECKED BY: TA

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GENERAL NOTES:

1. MATERIAL AND CONSTRUCTION SPECIFICATIONS: NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (U.S. CUSTOMARY) DATED AS SHOWN ON THE FRONT COVER OF THE PROPOSAL EXCEPT AS MODIFIED IN THESE PLANS AND THE PROPOSAL.

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

3. THERE SHALL BE NO CLAIM MADE BY THE CONTRACTOR FOR WORK PERTAINING TO SUCH MODIFICATIONS AS MAY BE REQUIRED DUE TO DIFFERENCES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE PLANS.

4. THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK, NOT SHOWN OR NOTED ON THE PLANS, MAY BE REQUIRED AS THE CONTRACT PROGRESSES. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE ENGINEER AND PAYMENT WILL BE BY THE UNIT PRICE BID FOR THE APPROPRIATE ITEM.

5. NO ADDITIONAL PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLAN, IN THE SPECIFICATIONS, OR UNDER THE HEADING "GENERAL NOTES" UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER. THE COST OF WORK FOR WHICH NO PAYMENT IS INDICATED SHALL BE INCLUDED IN THE LUMP UNIT BID PRICE FOR THE VARIOUS ITEMS IN THE CONTRACT.

6. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN THE PROPERTY OF THE SAID AGENCIES, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR IN A MANNER SATISFACTORY TO THE ENGINEER.

7. THE CONTRACTOR IS ADVISED THAT ADDITIONAL NOTES WILL BE FOUND ON SUBSEQUENT SHEETS OF THE PLANS AND SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.

8. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING THE DISPOSAL AREA AND OF TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE BID PRICE FOR THESE ITEMS.

9. 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 UTILITIES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE VARIOUS ITEMS IN THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.

10. THE METHOD OF REMOVAL OF EXISTING ROADWAY OR SHOULDER PAVEMENT IN THE IMMEDIATE VICINITY OF ANY UNDERGROUND UTILITIES, INCLUDING CROSS-CULVERTS, SHALL BE REVIEWED WITH THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATIONS IN ACCORDANCE WITH THE PROVISION OF SECTION 107-05 (SAFETY AND HEALTH REQUIREMENTS) OF THE NYSDOT STANDARD SPECIFICATIONS.

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

13. ALL EXISTING SIGNS SHALL BECOME THE PROPERTY OF THE NYSTA.

14. TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL SUBMIT A PROPOSED CONSTRUCTION SEQUENCE TO THE ENGINEER FOR APPROVAL.

15. FIELD CONDITIONS MAY REQUIRE ADDITIONAL FULL DEPTH REPLACEMENT AREAS NOT SHOWN ON PLANS. THIS WORK WILL BE A.O.B.E. AND WILL BE PAID FOR UNDER THE APPROPRIATE UNIT BID PRICE ITEMS IN THE CONTRACT.

16. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.

17. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXISTING EDGE OF PAVEMENT ALONG ALL RIGHTS-OF-WAY.

GENERAL NOTES CONT.:

18. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON TRAINED IN SAFETY ON SITE DURING THE PROGRESSION OF ALL CONSTRUCTION ACTIVITIES. APPLICABLE SAFETY CODES MEAN THE LATEST EDITION INCLUDING ANY AND ALL AMENDMENTS, REVISIONS, AND ADDITIONS THERETO, TO THE FEDERAL DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S OCCUPATIONAL SAFETY AND HEALTH STANDARDS (OSHA); AND APPLICABLE SAFETY, HEALTH REGULATIONS AND BUILDING CODES FOR CONSTRUCTION IN THE STATE OF NEW YORK. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER.

19. SUBMITTALS, CATALOG CUTS, SAMPLES, AND SHOP DRAWINGS MUST BE RECEIVED, REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ORDERING OR FABRICATION OF MATERIALS AND PRIOR TO INSTALLATION OF MATERIALS. FAILURE TO DO SO MAY RESULT IN TIME DELAYS. THE CONTRACTOR WILL NOT BE ENTITLED TO COMPENSATION FOR SAID TIME DELAYS, REMOVALS, OR REPLACEMENTS.

20. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF CONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH FIELD CONDITIONS.

21. THE CONTRACTOR SHALL PROVIDE AN ACI-CERTIFIED CONCRETE FLAT WORK FINISHER TO SUPERVISE ALL HAND FINISHING PER THE STANDARD SPECIFICATION. CERTIFICATION SHALL BE PROVIDED TO THE ENGINEER.

22. DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF FEBRUARY 2024 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: f'c = 3,000 psi.)

23. DESIGN LIVE LOAD (FOR SPAN 2 AND 3 OF MP 320.41 ONLY): AASHTO HL-93

24. RECORD PLANS: RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE AS SUPPLEMENTAL INFORMATION FOR REVIEW BY ALL PROSPECTIVE BIDDERS AT THE AUTHORITY'S WEBSITE PRIOR TO THE LETTING DATE; REFER TO CONTRACT OT52-20, OT52-23P, TA070-19B, TAS82-28B, TAS87-49B, TAS92-56, TAS10-17, TAS19-3.

25. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT NO SPOIL AREA FOR SURPLUS MATERIALS IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE AUTHORITY'S PROPERTY IN ACCORDANCE WITH ALL STATE, FEDERAL, AND LOCAL LAWS. ALL COSTS ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

26. 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.

27. ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.

28. THE COST OF ALL MATERIALS AT EACH CONSTRUCTION JOINT, CONTRACTION JOINT AND CONCRETE EXPANSION JOINT SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

29. THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.

30. THESE BRIDGES, INCLUDING EXISTING ELEMENTS AND THOSE REPAIRED OR REPLACED UNDER THIS CONTRACT, SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT VERSION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.

31. THE CONTRACTOR SHALL HAVE AN ENGINEER LICENSED IN THE STATE OF NEW YORK PREPARE AND STAMP A SET OF PLANS AND ALL CALCULATIONS FOR THE FOLLOWING WORK:
- DEMOLITION AND REMOVAL OF STRUCTURES
- SUPERSTRUCTURE SUPPORT
- LATERAL STABILITY AND LATERAL, VERTICAL, AND TORSIONAL STRENGTH OF GIRDERS AND TEMPORARY SUPPORTS AT ANY CANTILEVERED SLABS DURING ANY STAGE OF CONSTRUCTION.

GENERAL NOTES CONT.:

32. WHEN JOINING FRESH CONCRETE TO NEW CONCRETE WHICH HAS ALREADY SET, OR TO EXISTING CONCRETE, THE CONCRETE IN PLACE SHALL HAVE ITS SURFACE SCOURED OR ABRADED WITH A SUITABLE TOOL TO REMOVE ALL LOOSE AND FOREIGN MATERIALS. THIS SURFACE SHALL BE SCRUBBED WITH WIRE BROOMS. AFTER THE SURFACE PREPARATION HAS BEEN ACCEPTED, THIS SURFACE SHALL BE THOROUGHLY WET AND KEPT SO FOR A PERIOD OF 12 HOURS IMMEDIATELY PRIOR TO PLACING THE NEW CONCRETE. THIS MAY BE ACCOMPLISHED BY CONTINUOUS WETTING WITH SOAKER HOSES OR THE USE OR BURLAP/BURLENE/ETC. SO THAT MOISTURE CAN BE MAINTAINED. IF, IN THE OPINION OF THE ENGINEER, CONDITIONS OR THE SITUATION PROHIBITS THIS, THEN THE SURFACES SHALL BE WETTED FOR AS LONG AS POSSIBLE AT THE DISCRETION OF THE ENGINEER. THE CONTRACTOR SHALL REMOVE ANY PUDDLES OR FREE STANDING WATER WITH OIL-FREE COMPRESSED AIR, AND PROTECT THE SURFACES FROM DRYING, SO THAT THE EXISTING CONCRETE REMAINS IN A CLEAN, SATURATED, SURFACE DRY CONDITION UNTIL PLACEMENT OF THE NEW CONCRETE. IMMEDIATELY BEFORE PLACING THE NEW CONCRETE, THE FORMS SHALL BE DRAWN TIGHT AGAINST THE CONCRETE ALREADY IN PLACE.

33. ALL METAL REINFORCING BAR CHAIRS AND SUPPORTS SHALL HAVE PLASTIC SHOES.

34. WORK AFFECTING NAVIGABLE WATERWAYS:

THE CONTRACTOR IS DIRECTED TO THE CONTRACT PROPOSAL FOR SPECIAL NOTES PERTAINING TO WORK IN, OVER AND ADJACENT TO NAVIAGABLE WATERWAYS.

SUPERSTRUCTURE NOTES:

1. WELDING: ALL WELDING SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL UNLESS OTHERWISE NOTED.

2. ALL DECK FORMS USED SHALL BE EITHER REMOVABLE FORMS OR STAY-IN-PLACE (SIP) FORMS. SIP FORMS AND SUPPORTS SHALL CONFORM TO ASTM A653, GRADE A THRU E. COATING DESIGNATION G235, FABRICATION SHALL BE IN CONFORMANCE WITH ASTM A924.

3. ALL LONGITUDINAL AND TRANSVERSE TOP MAT DECK REINFORCING STEEL SHALL BE STAGGERED 1/2 SPACE ABOVE BOTTOM MAT STEEL, UNLESS NOTED OTHERWISE ON THE DETAILS.

4. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND ADVISE THE AUTHORITY OF THE TYPE, SIZE, AND WEIGHT OF ALL VEHICLES THEY INTEND TO USE ON THE STRUCTURE DURING CONSTRUCTION BASED ON THE CONDITION OF THE EXISTING STRUCTURE. THIS DETERMINATION SHALL BE MADE BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK EMPLOYED AND PAID BY THE CONTRACTOR.

THE DETERMINATION BY THIS PROFESSIONAL ENGINEER IS TO BE SUBMITTED TO THE AUTHORITY 14 DAYS PRIOR TO THE USE OF ANY VEHICLES ON THE STRUCTURE WITH ALL RESTRICTIONS ENUMERATED BEING STRICTLY ADHERED TO.

IN THE EVENT THAT THE CONTRACTOR/SUBCONTRACTOR FAILS TO COMPLY WITH THE INSTRUCTIONS OF THE PROFESSIONAL ENGINEER FOR THE USE OF ANY VEHICLE, THE WORK WILL BE IMMEDIATELY SUSPENDED UNTIL CORRECTIVE PROCEDURES SATISFACTORY TO THE PROFESSIONAL ENGINEER AND THE AUTHORITY ARE EMPLOYED.

5. PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS, ITEM 559.01, SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES OF THE STRUCTURAL DECK AND BARRIER. ONLY PENETRATING TYPE SEALER AS INDICATED IN THE SPECIFICATION SHALL BE USED.

6. CARE SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE WATERWAY BY THE SEALER. IF THE MANUFACTURERS INSTRUCTIONS REQUIRE MIXING OF THE SEALER PRIOR TO APPLICATION, MIXING SHALL OCCUR IN A MANNER THAT WILL PREVENT CONTAMINATION OF THE WATERWAY. THE CONTRACTOR SHALL HAVE AVAILABLE FOR IMMEDIATE USE MATERIALS TO SOAK UP OR CONTAIN ANY ACCIDENTAL SPILLS. PRIOR TO THEAPPLICATION OF THE SEALER, ANY OPENINGS IN THE SURFACE OF THE BRIDGE DECK OR IN THE WALKING SURFACE, SUCH AS SCUPPERS OR OPEN DRAINS SHALL BE COVERED TO PREVENT CONTAMINATION OF THE WATERWAY. CARE SHALL BE TAKEN TO PREVENT SPRAYED SEALER FROM ENTERING THE WATERWAY BY ROLLING THE SEALER OR BY PHYSICALLY ISOLATING THE AREA TO BE SPRAYED FROM THE WATERWAY BY THE USE OF TARPS OR OTHER BARRIER-TYPE MEANS TO THE SATISFACTION OF THE EIC.

REMOVAL, EXCAVATION, AND BACKFILL NOTES:

1. DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS OR OTHER MATERIAL TO RAILROAD RIGHT-OF-WAY, RIVERS, AND ROADWAYS BELOW THE BRIDGE EXCEPT WHERE THE PLANS OR SPECIFICATIONS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS, OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED. IF MATERIAL FALLS ON THE AREA BELOW AND ADJACENT TO THE BRIDGE, IT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR ON A DAILY BASIS.

2. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE APPROPRIATE ITEMS IN THE CONTRACT.

3. EXISTING SUPERSTRUCTURE SLAB SHALL BE REMOVED UNDER ITEM 202.2201 IN THE ESTIMATE.

REMOVAL, EXCAVATION, AND BACKFILL NOTES CONT.:

4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL AND SAFETY REQUIREMENTS. A REMOVAL PLAN, SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION.

5. LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE SATISFIED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, OR ENCAPSULATING THE LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BRIDGE RAILING REMOVAL ITEM. THE USE OF ENVIRONMENTAL GROUND PROTECTION ITEM WILL BE REQUIRED. IT IS ASSUMED THAT THE ITEM FOR TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE WILL NOT BE REQUIRED. THE CONTRACTOR SHOULD EXAMINE THE CONDITION OF THE RAILING PAINT PRIOR TO SUBMITTING A BID.

6. REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR SAFETY AND HEALTH REQUIREMENTS.

ACCESS AND NOTIFICATION NOTES:

1. THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE ACCESS INTO OR THROUGH THE WORK SITE BY EMERGENCY VEHICLES AT ALL TIMES.

2. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT, AND EFFORTS SHALL BE COORDINATED WITH THE ENGINEER, AND/OR THE NEW YORK STATE THRUWAY AUTHORITY.

WORK TO BE DONE:

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

MP 313.82

THE FOLLOWING WORK IS TO BE PERFORMED IN STAGES AS INDICATED IN THE PLANS AND ACCORDING TO NYSTA STANDARD WZTC DETAILS.

1. REMOVE THE EXISTING APPROACH PAVEMENT AND JOINT AT BOTH ABUTMENTS.
2. INSTALL NEW ARMORLESS JOINT AT THE WEST ABUTMENT.
3. INSTALL NEW MODULAR JOINT AT THE EAST ABUTMENT.
4. INSTALL NEW APPROACH PAVEMENT AT BOTH ABUTMENTS.
5. RESTORE DISTURBED AREAS AND CLEAN UP AS DIRECTED BY THE ENGINEER.

MP 320.41

THE FOLLOWING WORK IS TO BE PERFORMED IN STAGES AS INDICATED IN THE PLANS AND ACCORDING TO NYSTA STANDARD WZTC DETAILS.

1. REMOVE THE EXISTING BRIDGE RAILING, APPROACH RAILING, MEDIAN BARRIER AND ALL JOINTS TO THE LIMITS INDICATED ON THE PLANS.
2. REMOVE THE CONCRETE DECK SLAB IN SPANS 2 AND 3.
3. CONSTRUCT NEW CONCRETE BRIDGE DECK IN SPANS 2 AND 3, INCLUDING NEW ARMORLESS JOINT OVER THE PIERS.
4. INSTALL NEW BRIDGE JOINT SEAL AT BOTH ABUTMENTS.
5. EXTEND THE EXISTING CURB WIDTH IN SPANS 1 AND 4 TO MATCH THE NEW CURB IN SPANS 2 AND 3.
6. INSTALL NEW BRIDGE RAILING, TRANSITION RAILING AND APPROACH RAILING.
7. RESET MEDIAN BARRIER.
8. RESTORE DISTURBED AREAS AND CLEAN UP AS DIRECTED BY THE ENGINEER.

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR · 084524

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

ERDMAN ANTHONY

TITLE OF PROJECT: BRIDGE REHABILITATION	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 & 5510440 MP 313.82 & MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: GENERAL NOTES	DRAWING NUMBER: GN-1

DESIGN SUPERVISOR: C. SICHAK | DRAFTED BY: M. YAEGER | DESIGNED BY: M. YAEGER | CHECKED BY: K. WOJTKOWSKI | CHECKED BY: K. WOJTKOWSKI

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\B7541.cpb.gen notes1.dgn
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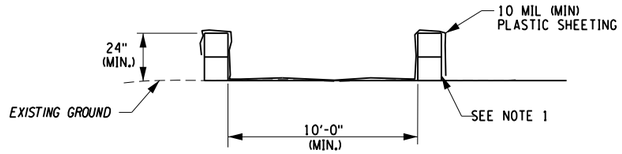

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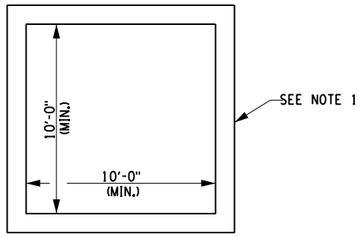

PLAN

CONCRETE WASHOUT
NOT TO SCALE

NOTES:

1. CONCRETE MASONRY UNITS SHOWN. STACKED STRAW BALES OR STACKED SEDIMENT FILTER LOGS MAY BE SUBSTITUTED BALES/LOGS SHALL BE SECURED BY POSTS.
2. LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS.
3. IF PRE-FABRICATED WASHOUTS ARE USED THEY MUST ENSURE THE CAPTURE AND CONTAINMENT OF THE CONCRETE WASH AND BE SIZED BASED ON THE EXPECTED FREQUENCY OF CONCRETE POURS. THEY SHALL BE SITED AS NOTED IN THE LOCATION CRITERIA.
4. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
5. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
6. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL.
7. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
8. COST OF MATERIALS, LABOR & EQUIPMENT NECESSARY TO COMPLETE CONSTRUCTION & TO MAINTAIN CONCRETE WASHOUT INCLUDED IN UNIT PRICE BID FOR VARIOUS CONCRETE ITEMS.

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

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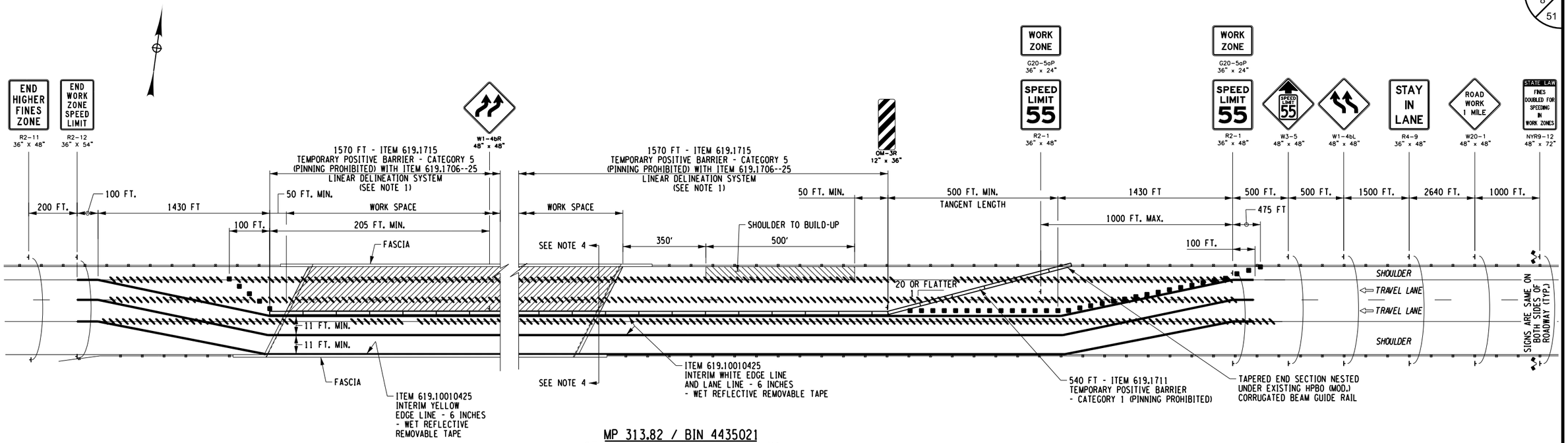
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

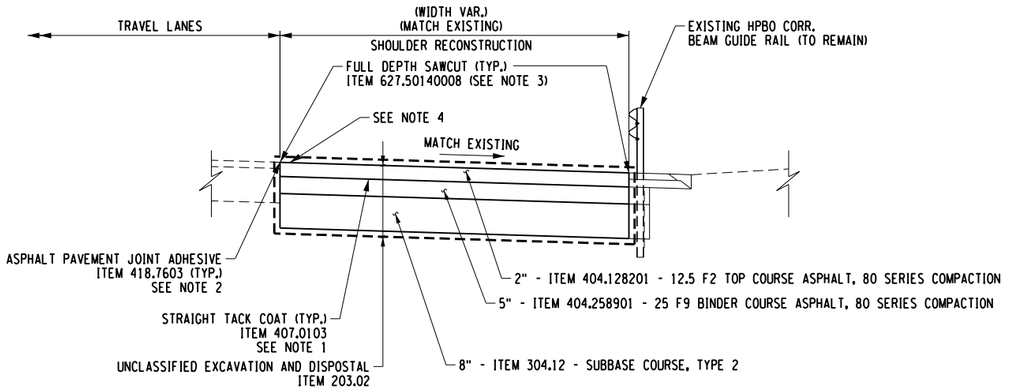
TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: EROSION AND SEDIMENT CONTROL DETAIL	DRAWING NUMBER: ECN-1



MP 313.82 / BIN 4435021
STAGE 1 TRAFFIC CONTROL PLAN

NOT TO SCALE

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
■	CHANNELIZING DEVICE
⇨	DIRECTION OF TRAFFIC
	FLAG TREE
	ITEM 619.0803 – COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE)
	SIGN, TEMPORARY
	TEMPORARY BARRIER
	WORK SPACE
	SHOULDER BUILD-UP
	TEMP/INTERIM PAVEMENT MARKING



THRUWAY MAINLINE WZTC SHOULDER BUILD-UP DETAIL

(RIGHT SHOULDER EAST OF BRIDGE)
NOT TO SCALE

NOTES:

1. ANY WORK REQUIRING WORKERS, EQUIPMENT AND/OR MATERIALS TO OCCUPY THE AREA WITHIN THE 2.2' FROM THE BACK SIDE OF THE TEMPORARY POSITIVE BARRIER SHALL BE COMPLETED ONLY WHEN A LATERAL BUFFER SPACE IS PROVIDED BY CLOSING THE TRAVEL LANE ADJACENT TO THE BARRIER.
2. INTERIM PAVEMENT MARKINGS SHALL BE USED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING SHALL BE REMOVED OR COVERED.
3. NYSTA STANDARD WZTC SHEET LS-65 WAS USED TO LAYOUT THE STAGING TRAFFIC CONTROL PLANS. PAYMENT FOR ALL WORK TO IMPLEMENT THE LANE SHIFT SHALL BE INCLUDED IN THE COST OF ITEM 619.01 UNLESS SHOWN OTHERWISE.
4. SEE 'STAGE 1 SHIFTED LANES SECTION' ON TCP1-3.

SHOULDER BUILD-UP DETAIL NOTES:

1. APPLY TACK COAT, ITEM 407.0103, TO ALL CONTACT SURFACES BETWEEN ALL ASPHALT PAVEMENT COURSES AND LIFTS.
2. ASPHALT JOINT ADHESIVE, ITEM 418.7603, SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, OR OTHER JOINTS ABUTTING THE NEW ASPHALT PAVEMENT.
3. ACTUAL LOCATION OF LONGITUDINAL SAWCUT MAY VARY A.O.B.E. BASED ON FIELD CONDITIONS. SAWCUT TO BE FULL DEPTH.
4. ITEM 649.01 - MILLED-IN AUDIBLE ROADWAY DELINEATOR (MIARDS) AND ITEM 68511060025 - WHITE EPOXY REFLECTORIZED PAVEMENT STRIPE - 6 IN X 20 MILS (EDGE LINE) SHALL BE INSTALLED AFTER WZTC TRAFFIC SHIFTS.

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: B. HYDE
DRAFTED BY: N. BARNHARD
CHECKED BY: R. SCHILLER
CHECKED BY:

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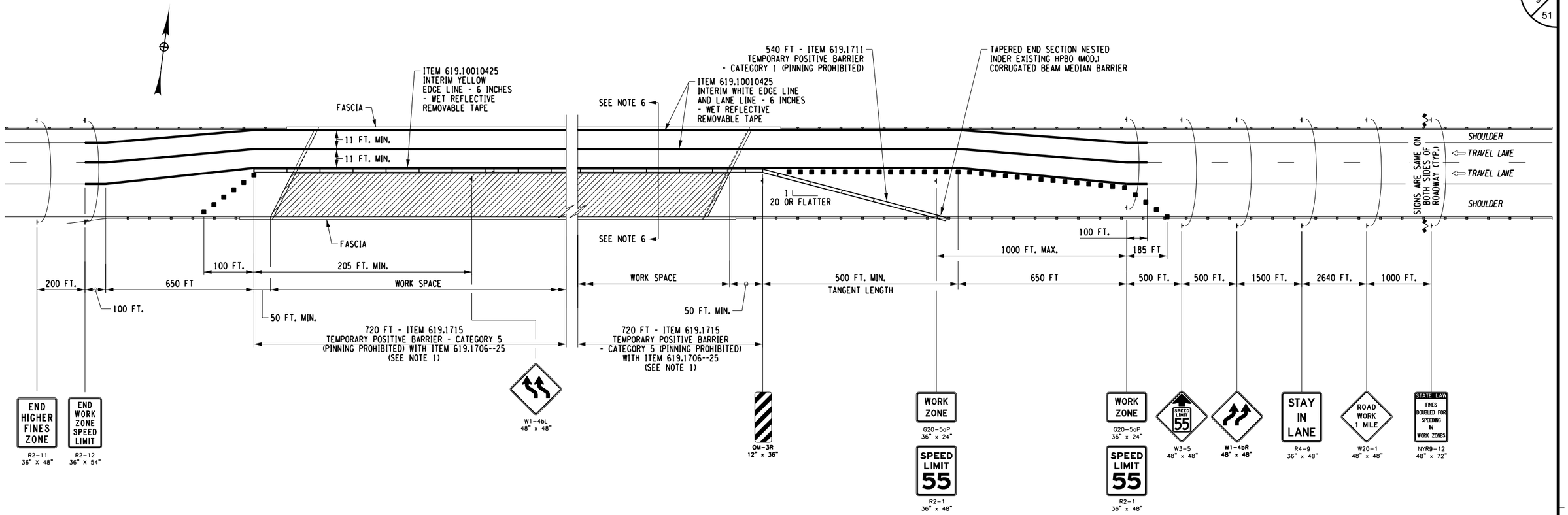
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82	DATE: FEB. 2024
TITLE OF DRAWING: STAGE 1 TRAFFIC CONTROL PLAN	DRAWING NUMBER: TCP1-1



MP 313.82 / BIN 4435021
STAGE 2 TRAFFIC CONTROL PLAN
NOT TO SCALE

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
■	CHANNELIZING DEVICE
⇨	DIRECTION OF TRAFFIC
	FLAG TREE
	PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
	SIGN, TEMPORARY
	TEMPORARY BARRIER
	WORK SPACE
	TEMP/INTERIM PAVEMENT MARKING

NOTES:

1. ANY WORK REQUIRING WORKERS, EQUIPMENT AND/OR MATERIAL TO OCCUPY THE AREA WITHIN THE 2.2' FROM THE BACK SIDE OF THE TEMPORARY POSITIVE BARRIER SHALL BE COMPLETED ONLY WHEN A LATERAL BUFFER SPACE IS PROVIDED BY CLOSING THE TRAVEL LANE ADJACENT TO THE BARRIER.
2. WHEN THE DISTANCE BETWEEN THE SECOND "WORK ZONE/SPEED LIMIT 55" SIGN (G20-5aP/R2-1) AND THE END OF THE LANE SHIFT PATTERN EXCEEDS 1/2 MILE, ADDITIONAL "WORK ZONE/SPEED LIMIT 55" SIGN(S) (G20-5aP/R2-1) SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY TO MAINTAIN A MAXIMUM SPACING OF 1/2 MILE.
3. IN ADDITION TO THE SIGNING SHOWN, "ROAD WORK AHEAD" (W20-1) AND "WORK ZONE/SPEED LIMIT 55" (G20-5aP/R2-1) SIGNS SHALL BE PLACED ALONG ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE TRAFFIC CONTROL LIMITS. THE LOCATION OF THESE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
4. TEMPORARY / INTERIM PAVEMENT MARKINGS SHALL BE USED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING SHALL BE REMOVED OR COVERED.
5. NYSTA STANDARD WZTC SHEET LS-65 WAS USED TO LAYOUT THE STAGING TRAFFIC CONTROL PLANS. PAYMENT FOR ALL WORK TO IMPLEMENT THE LANE SHIFT SHALL BE INCLUDED IN THE COST OF ITEM 619.01
6. SEE 'STAGE 2 SHIFTED LANES SECTION' ON TCP1-3.

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	DECK/HEADER REPAIRS AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 4435021 MP 313.82
TITLE OF DRAWING	STAGE 2 TRAFFIC CONTROL PLAN
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	TCP1-2

DESIGNED BY: B. HYDE
DRAFTED BY: N. BARNHARD
CHECKED BY: R. SCHILLER
DESIGN SUPERVISOR: C. SICHAK
CHECKED BY:

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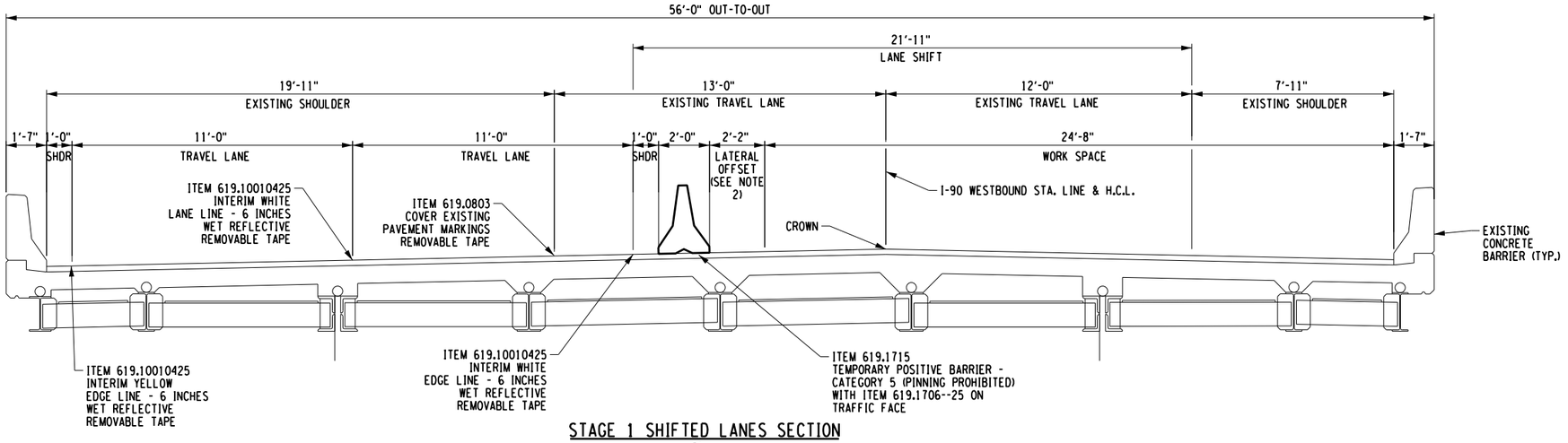
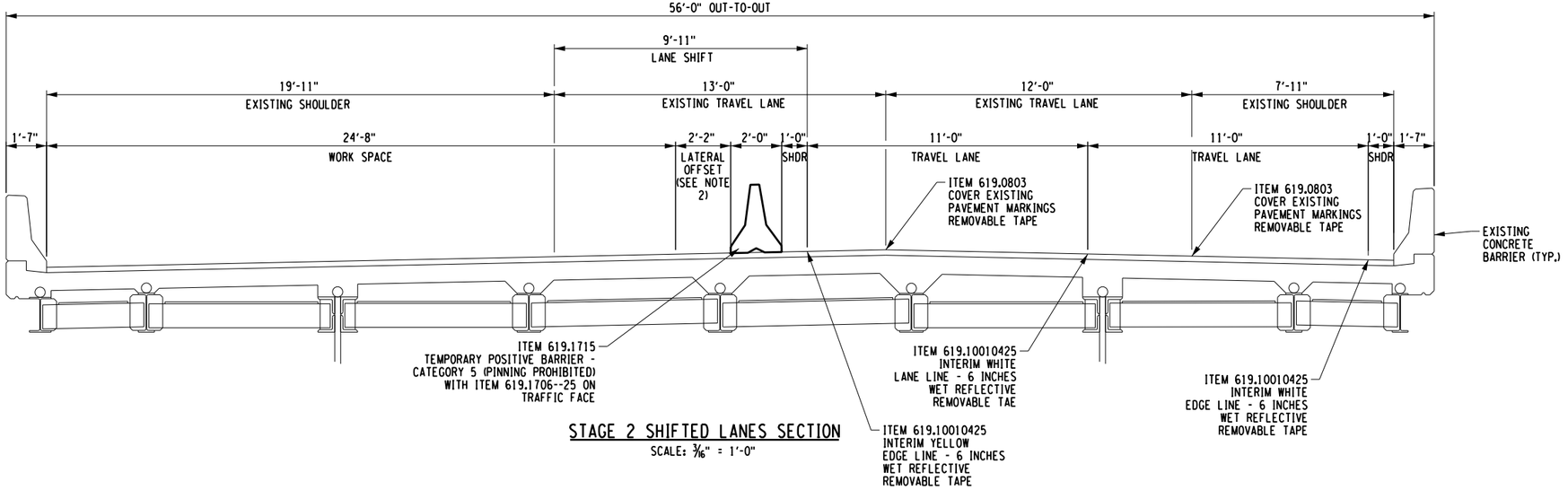


STAGE 1 SHIFTED LANES SECTION

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



STAGE 2 SHIFTED LANES SECTION

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

NOTES:

1. STAGING SECTIONS ARE DRAWN LOOKING DOWNSTATION, IN THE DIRECTION OF TRAFFIC.
2. ANY WORK REQUIRING WORKERS , EQUIPMENT AND/OR MATERIALS TO OCCUPY THE AREA WITHIN THE 2.2' FROM THE BACK SIDE OF THE TEMPORARY POSITIVE BARRIER SHALL BE COMPLETED ONLY WHEN A LATERAL BUFFER SPACE IS PROVIDED BY CLOSING THE TRAVEL LANE ADJACENT TO THE BARRIER.

ALTERED ON:	AFFIXED ON: 2/14/2024
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	DECK/HEADER REPAIRS AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 4435021 MP 313.82
TITLE OF DRAWING	TRAFFIC CONTROL SECTIONS
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	TCP1-3

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: B. HYDE
DRAFTED BY: B. HYDE
CHECKED BY: N. BARNHARD
CHECKED BY: R. SCHILLER

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 313.82\B7541_cpb_01_mpp_sec.dgn
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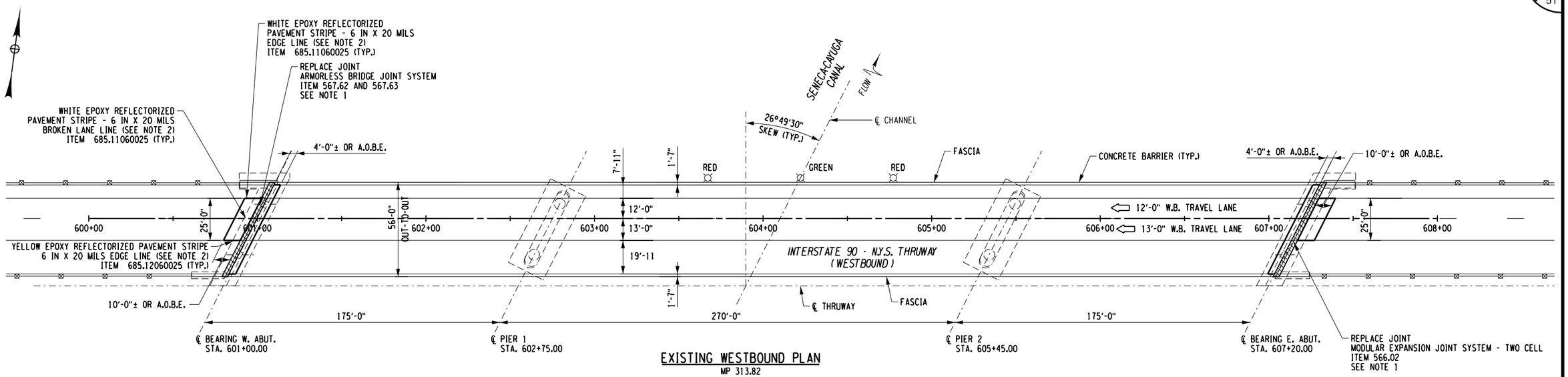
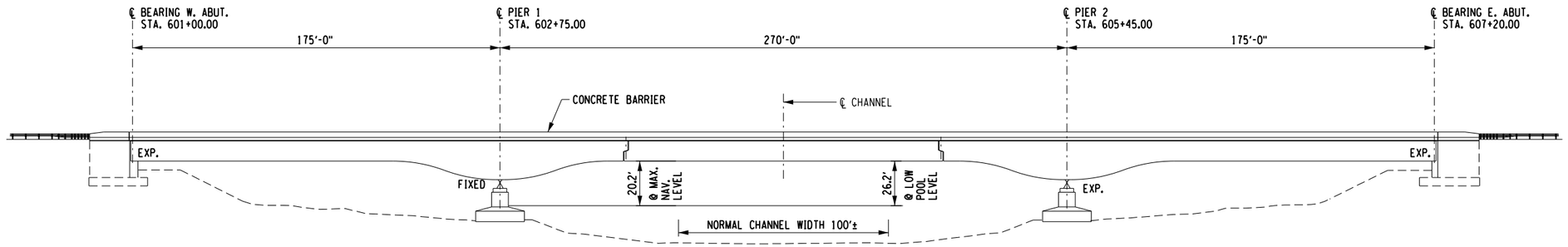
USER = Lindol



EXISTING WESTBOUND PLAN
MP 313.82
SCALE: 1"=60'



ELEVATION
MP 313.82
SCALE: 1"=60'

NOTES:

1. THE TRANSVERSE DECK JOINTS AT THE FOLLOWING LOCATIONS SHALL BE REHABILITATED AS FOLLOWS:
   - EAST ABUTMENT: REMOVE EXISTING JOINT SYSTEM AND INSTALL NEW MODULAR EXPANSION JOINT SYSTEM - TWO CELL. REFER TO REPLACEMENT DETAILS ON DWG. ST1-5 THRU ST1-7.
   - WEST ABUTMENT: REMOVE EXISTING JOINT SYSTEM AND INSTALL NEW ARMORLESS BRIDGE JOINT SYSTEM. REFER TO REPLACEMENT DETAILS ON DWG. ST1-3 AND ST1-4.
2. LIMITS OF PROPOSED EPOXY PAVEMENT STRIPES (20 MIL) SHALL BE THE LENGTH OF PROPOSED OVERLAY.

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	DECK/HEADER REPAIRS AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 4435021 MP 313.82
TITLE OF DRAWING	WESTBOUND PLAN AND ELEVATION
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST1-1

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI

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DATE/TIME = 2/14/2024 11:49:23 AM
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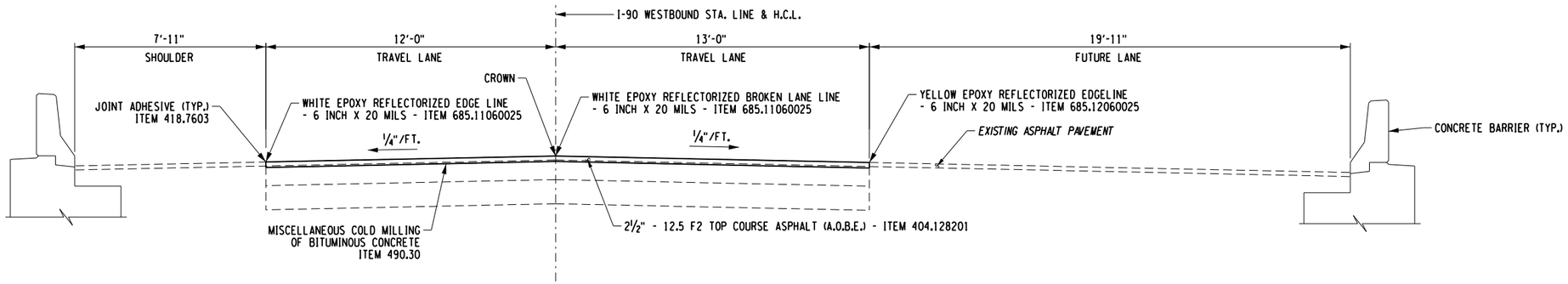
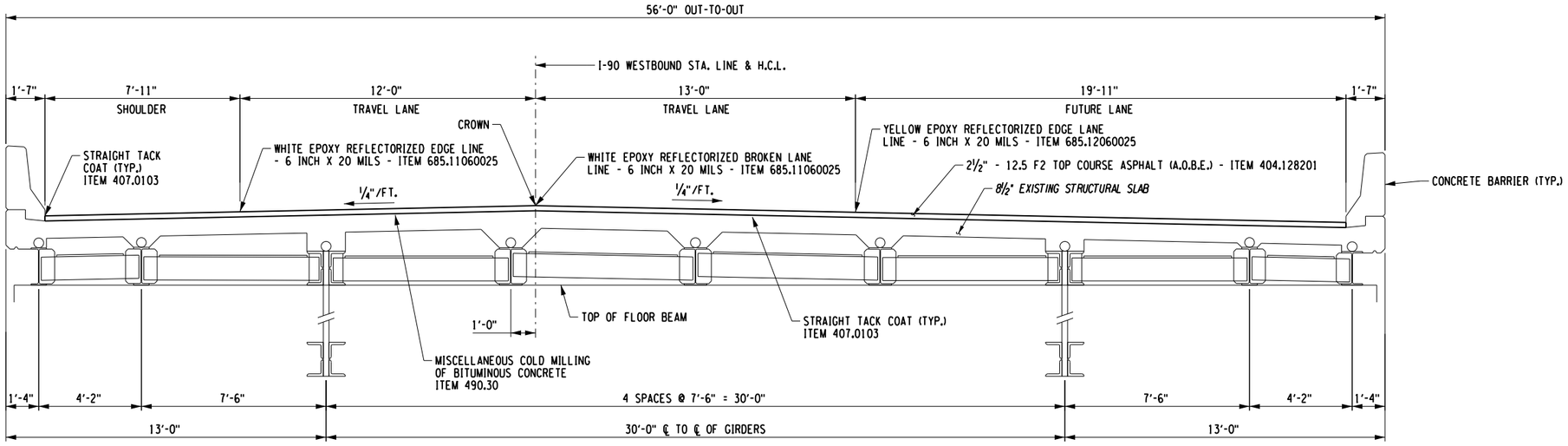


PROPOSED MILL & OVERLAY SECTION - WESTBOUND

STA. 600+86.50 TO STA. 600+96.50
STA. 607+23.50 TO STA. 607+33.50
SCALE: 3/16" = 1'-0"



PROPOSED TRANSVERSE SECTION - WESTBOUND

STA. 601+00 TO STA. 601+04.00
STA. 607+16.00 TO STA. 607+20.00
SCALE: 3/16" = 1'-0"

NOTES:

1. PROPOSED SECTIONS ARE DRAWN LOOKING UPSTATION, OPPOSITE THE DIRECTION OF TRAFFIC.

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DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	DECK/HEADER REPAIRS AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 4435021 MP 313.82
TITLE OF DRAWING	WESTBOUND SECTIONS
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST1-2

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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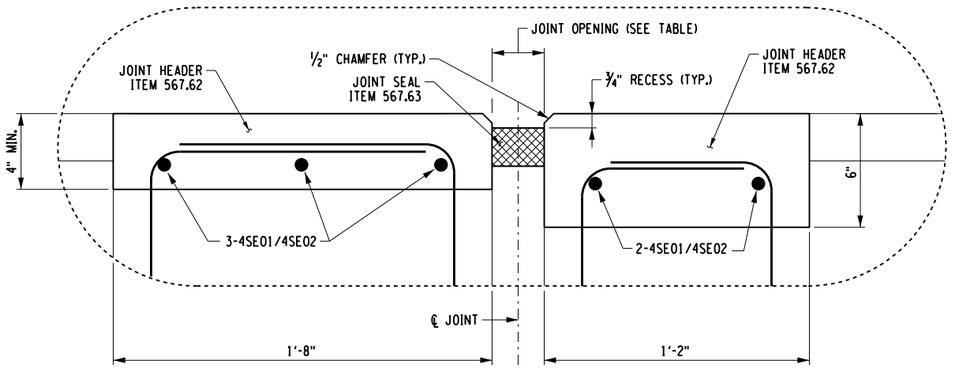
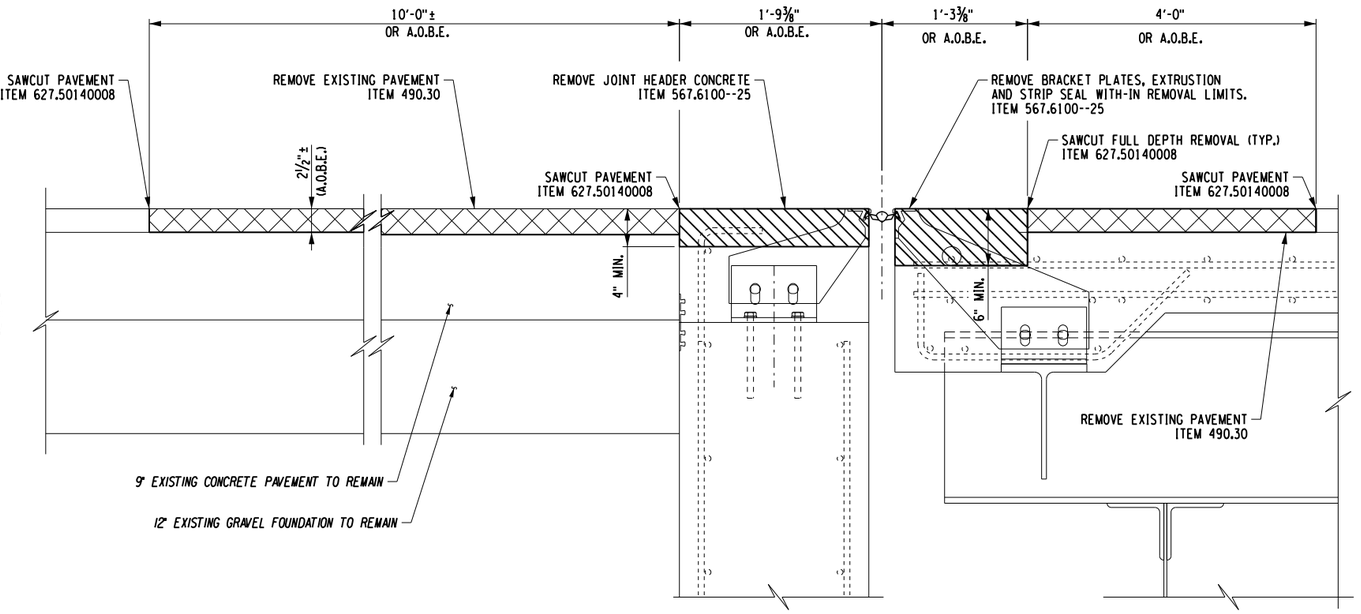


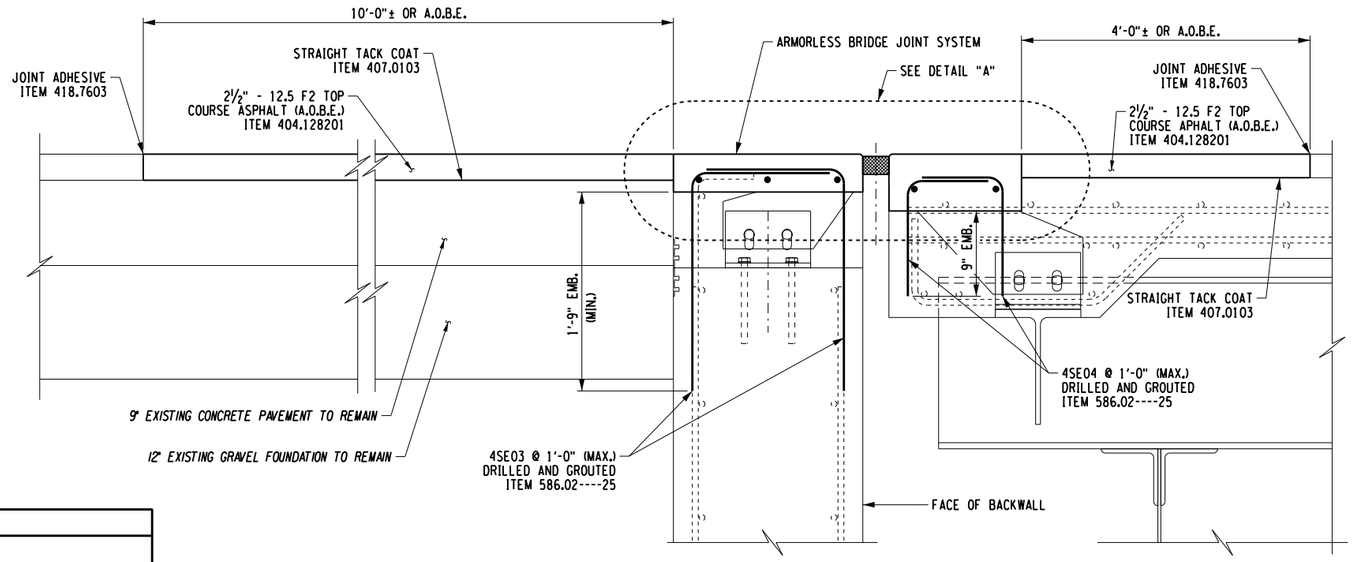
DETAIL "A" (ARMORLESS)
NOT TO SCALE

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

NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING (IN.) = 3
TOTAL MOVEMENT (IN.) = 2.125



EXISTING SECTION (MODULAR)
(WEST ABUTMENT)
SCALE: ¾" = 1'-0"



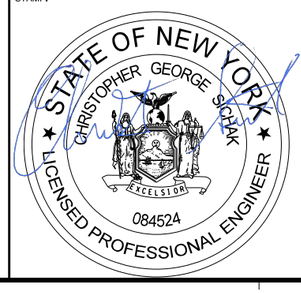
PROPOSED SECTION
(WEST ABUTMENT)
SCALE: ¾" = 1'-0"

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 2/14/2024

SIGNATURE:
STAMP:



LEGEND

REMOVE EXISTING PAVEMENT - ITEM 490.30

REMOVE EXISTING BRIDGE JOINT - ITEM 567.6100--25

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
DECK/HEADER REPAIRS AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 4435021 MP 313.82

TITLE OF DRAWING
JOINT DETAILS - 1

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST1-3

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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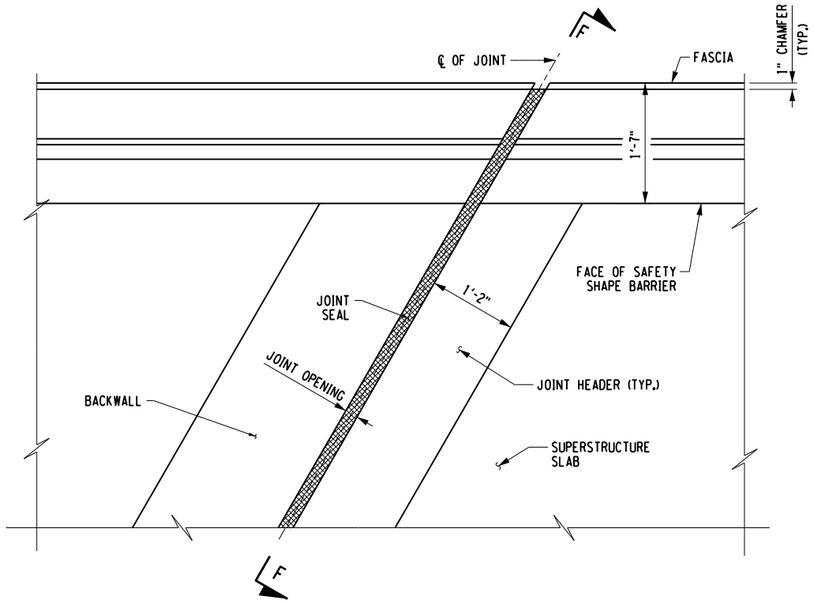
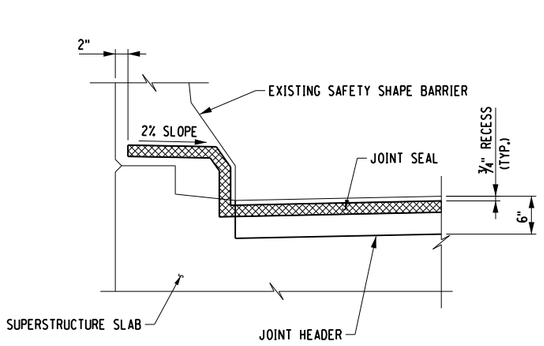
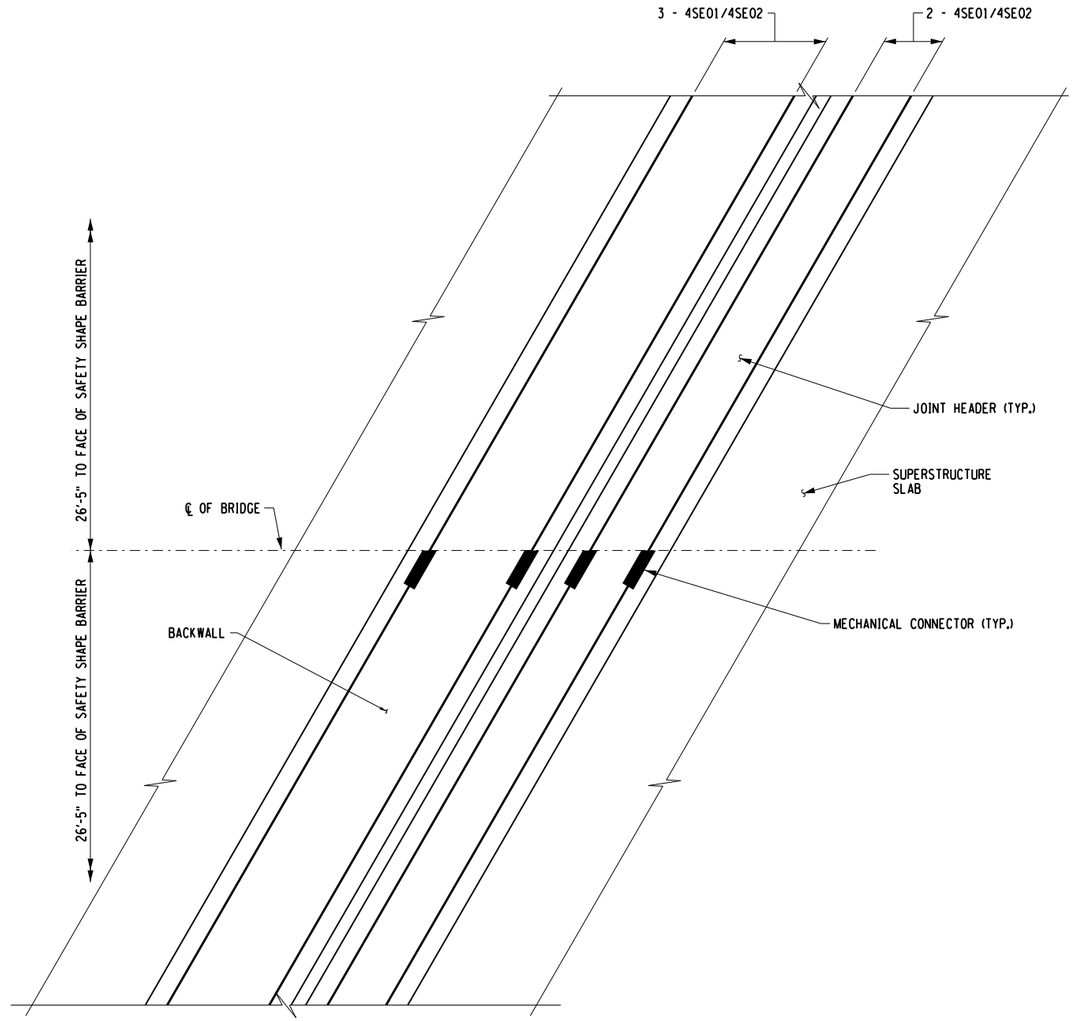


PROPOSED PARTIAL JOINT PLAN
(WEST ABUTMENT WESTBOUND)
SCALE: ½" = 1'-0"



SECTION F-F
NOT TO SCALE



NOTE: BARS 4SE03 AND 4SE04 NOT SHOWN FOR CLARITY

PROPOSED PARTIAL JOINT REINFORCEMENT PLAN
(WEST ABUTMENT WESTBOUND)
NOT TO SCALE

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	DECK/HEADER REPAIRS AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 4435021 MP 313.82
TITLE OF DRAWING	JOINT DETAILS - 2
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST1-4

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY:
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI

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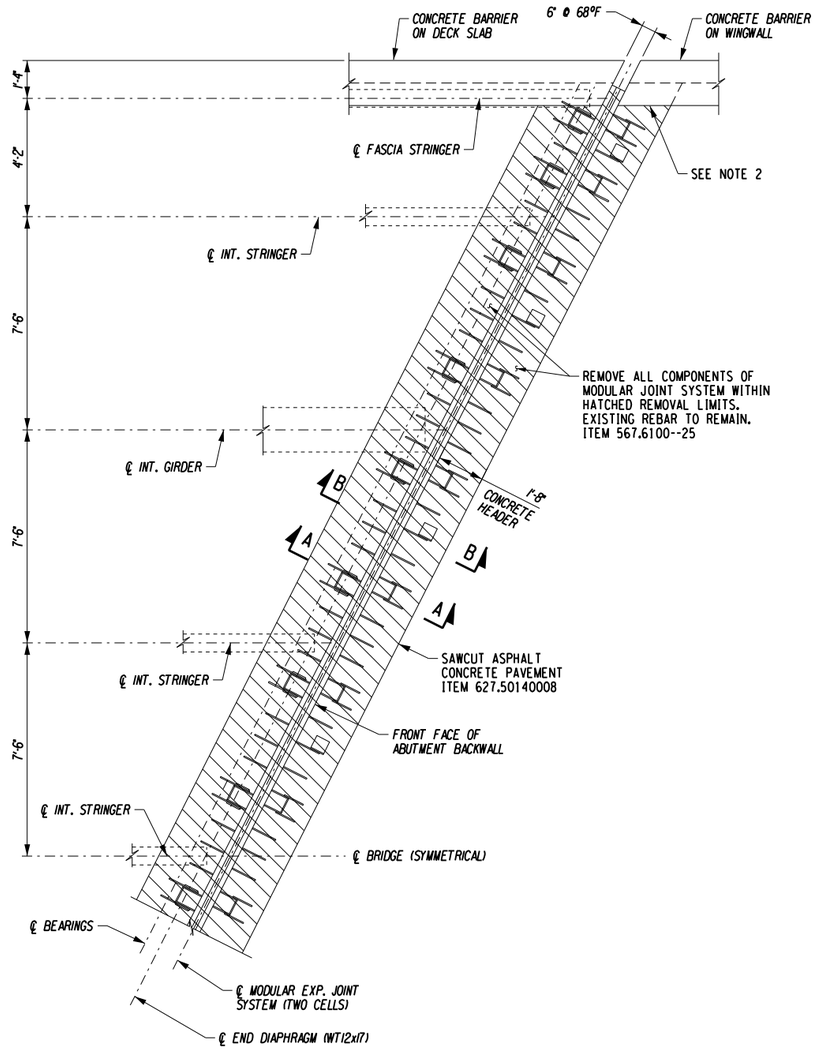
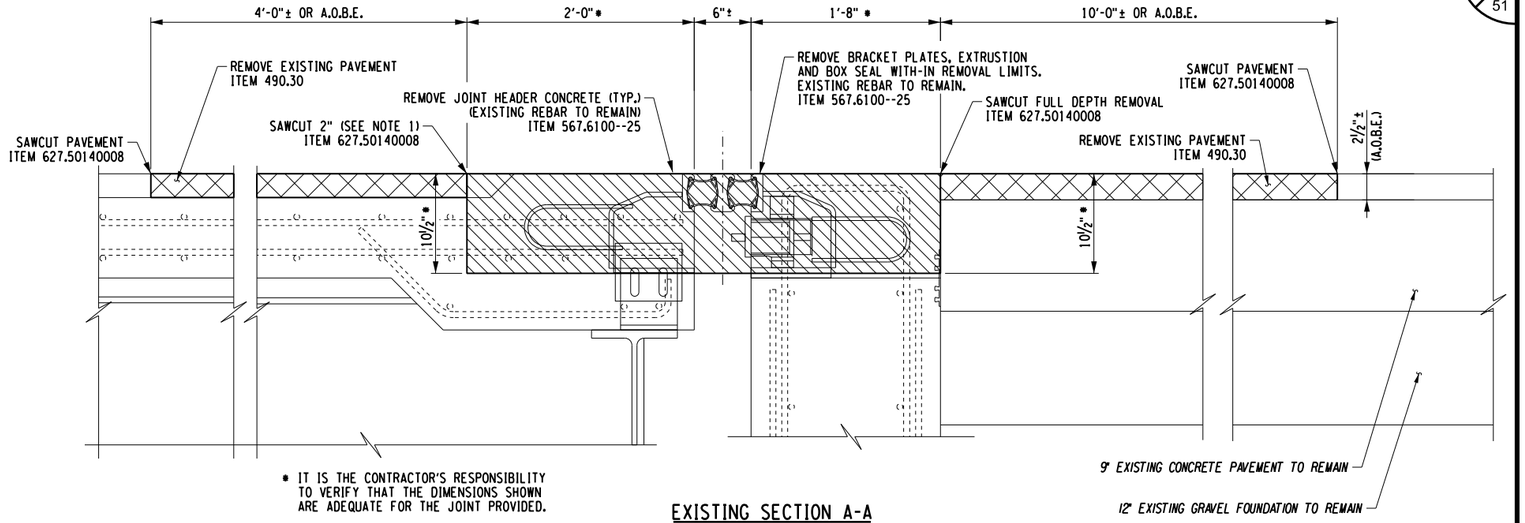


PARTIAL PLAN - EXISTING MODULAR EXPANSION JOINT SYSTEM EAST ABUTMENT WESTBOUND

(NORTH SIDE SHOWN; SOUTH SIDE SIMILAR)

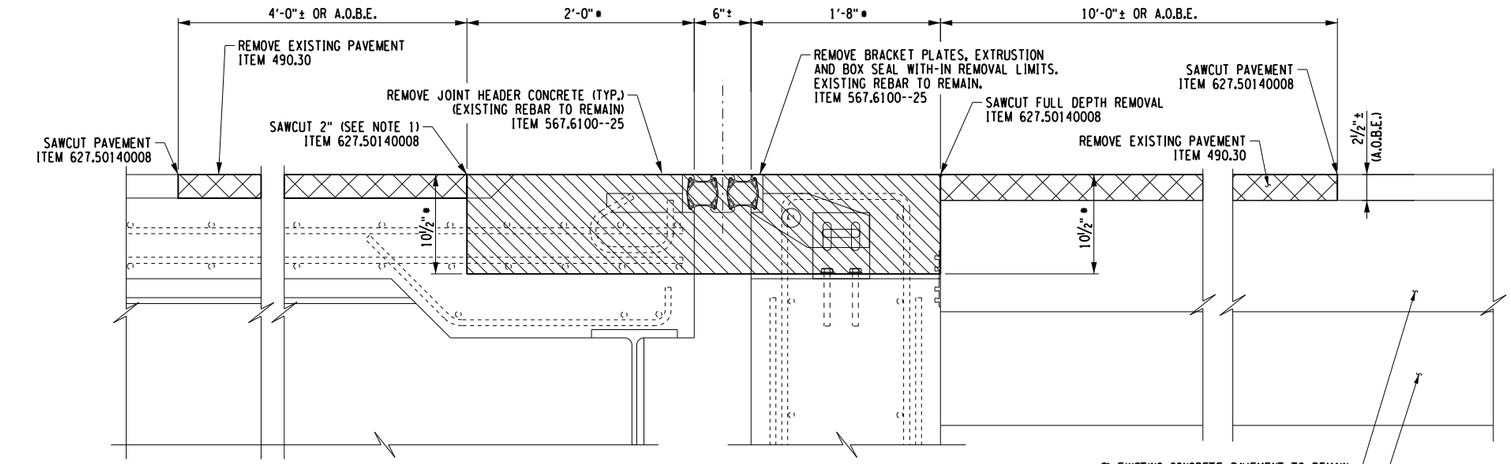
SCALE: 3/16" = 1'-0"



* IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE DIMENSIONS SHOWN ARE ADEQUATE FOR THE JOINT PROVIDED.

EXISTING SECTION A-A

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

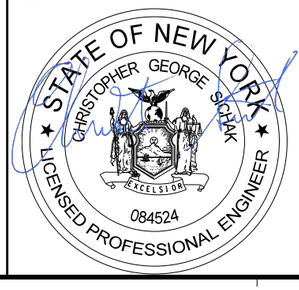


* IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE DIMENSIONS SHOWN ARE ADEQUATE FOR THE JOINT PROVIDED.

EXISTING SECTION B-B

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

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:



LEGEND

REMOVE EXISTING PAVEMENT - ITEM 490.30

REMOVE EXISTING BRIDGE JOINT - ITEM 567.6100--25

NOTES:

1. EXISTING REINFORCEMENT SHALL REMAIN. ANY REINFORCEMENT DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE AUTHORITY.
2. REMOVE AND STORE BARRIER STEEL COVER PLATE AT EACH FASCIA TO FACILITATE JOINT REPLACEMENT WORK. RE-INSTALL THE COVER PLATES AFTER JOINT REPLACEMENT WORK HAS BEEN PERFORMED. COST TO BE INCLUDED IN THE JOINT REPLACEMENT ITEMS.

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82	DATE: FEB. 2024
TITLE OF DRAWING: JOINT DETAILS - 3	DRAWING NUMBER: ST1-5

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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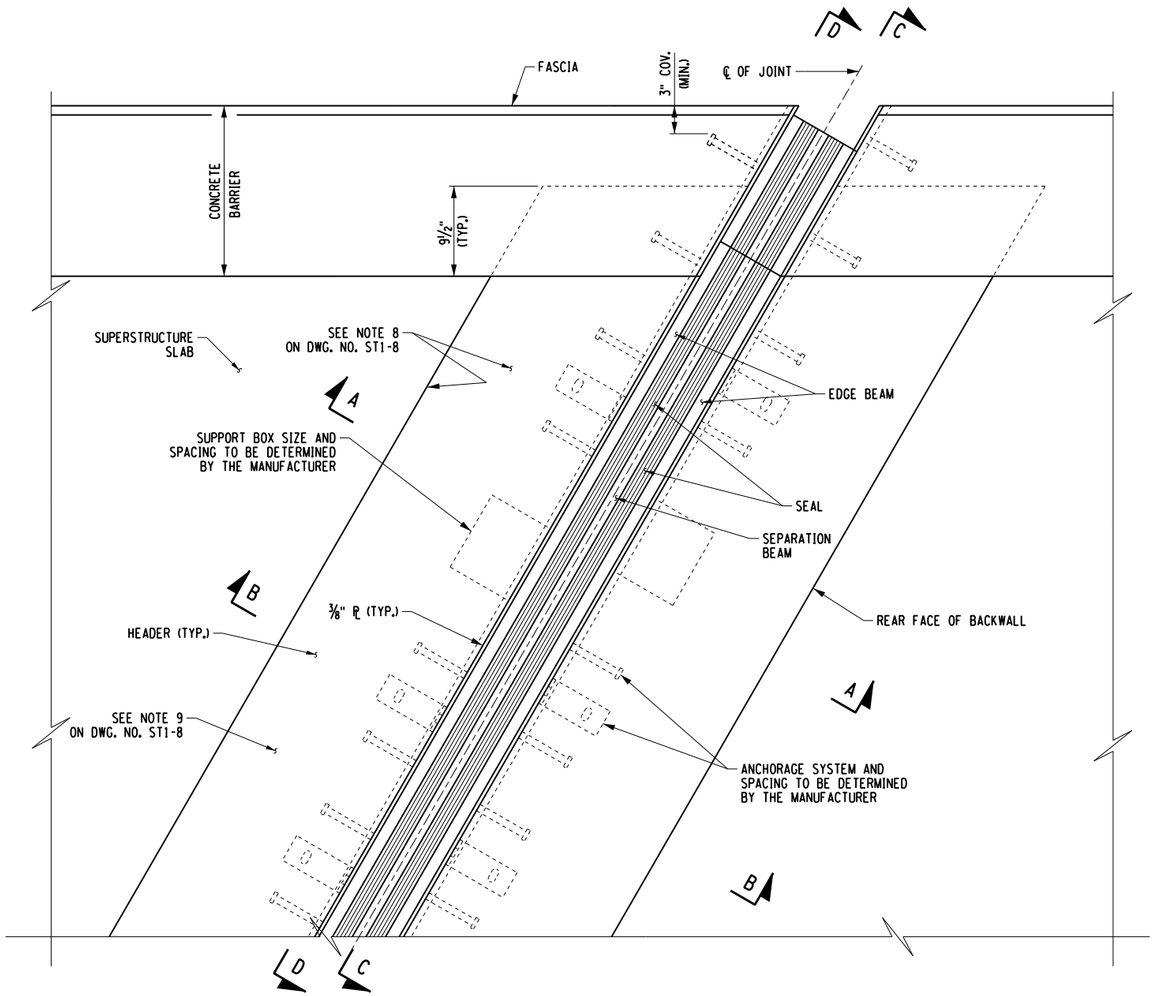

PROPOSED PARTIAL JOINT PLAN - EAST ABUTMENT WESTBOUND

NOT TO SCALE

NOTES:

1. FOR NOTES SEE DWG. NO. ST1-8.
2. FOR SECTIONS A-A AND B-B, SEE DWG. NO. ST1-7.
3. FOR SECTIONS C-C AND D-D, SEE DWG. NO. ST1-8.
4. THE CONTRACTOR SHALL REPLACE THE JOINT SYSTEM A.O.B.E..

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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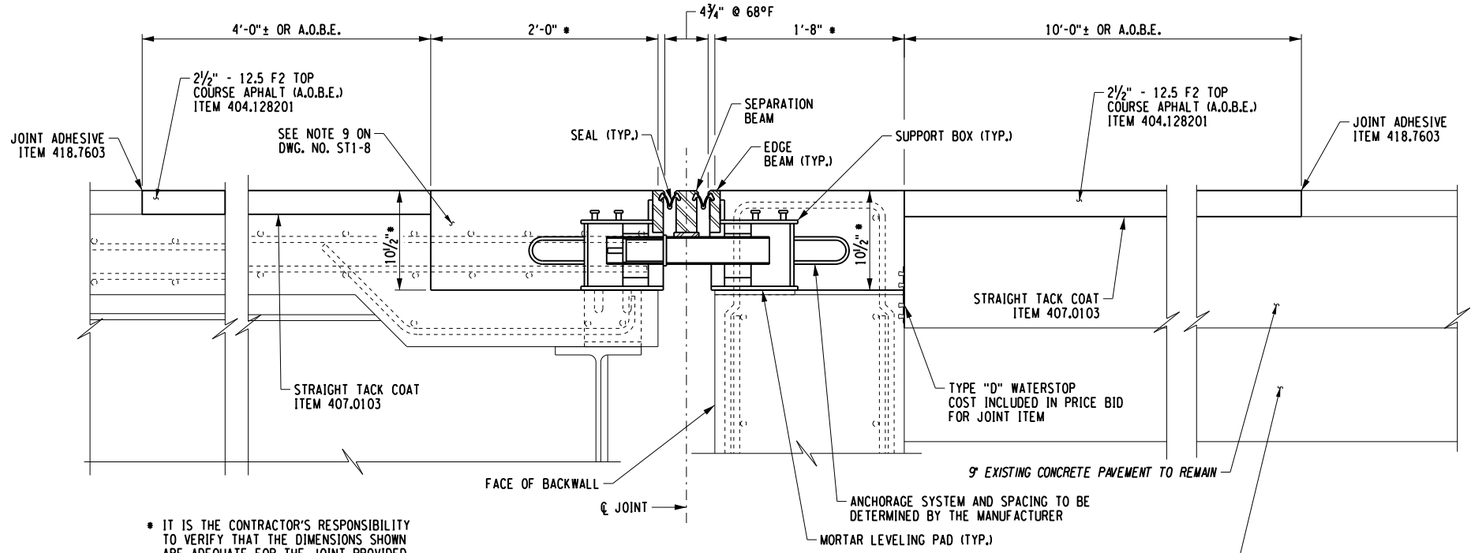
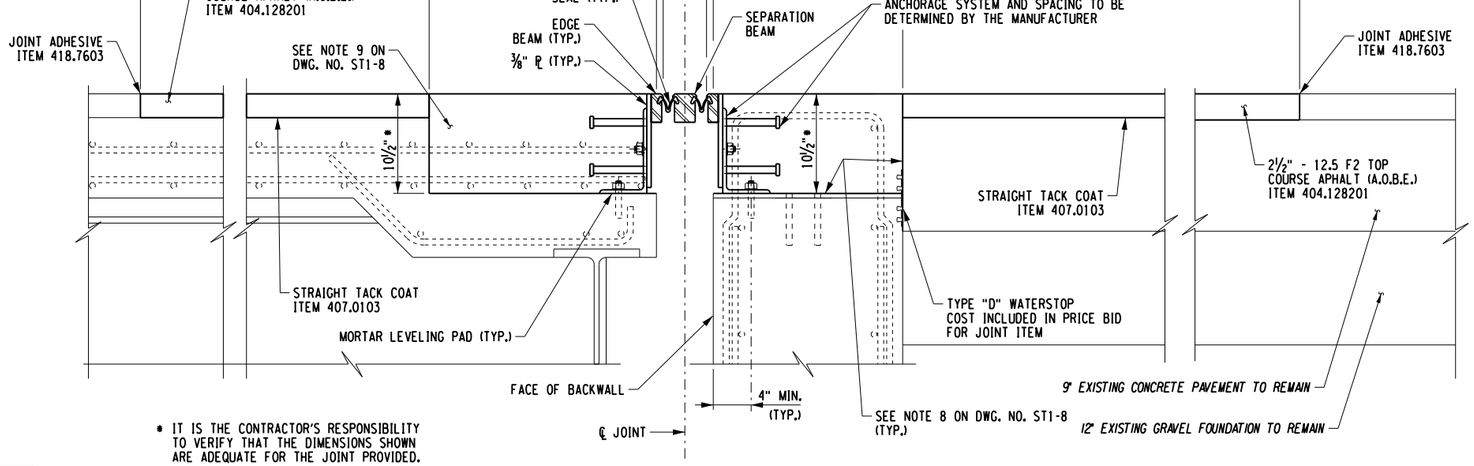
TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82	DATE: FEB. 2024
TITLE OF DRAWING: JOINT DETAILS - 4	DRAWING NUMBER: ST1-6



PROPOSED SECTION A-A

SCALE: ¾" = 1'-0"



PROPOSED SECTION B-B

SCALE: ¾" = 1'-0"

NOTES:

1. FOR NOTES SEE DWG. NO. ST1-8.
2. FOR LOCATIONS OF SECTIONS A-A AND B-B, SEE DWG. NO. ST1-6.

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
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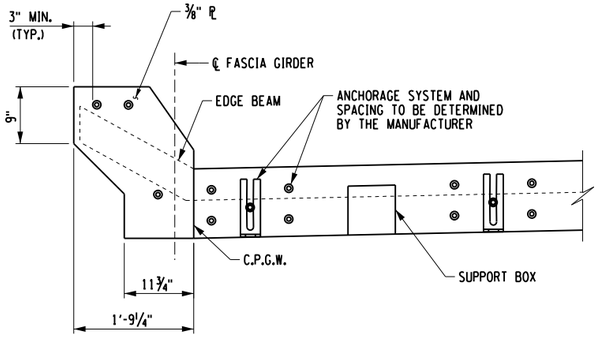
REVISIONS

DATE	DESCRIPTION	BY	SYM.

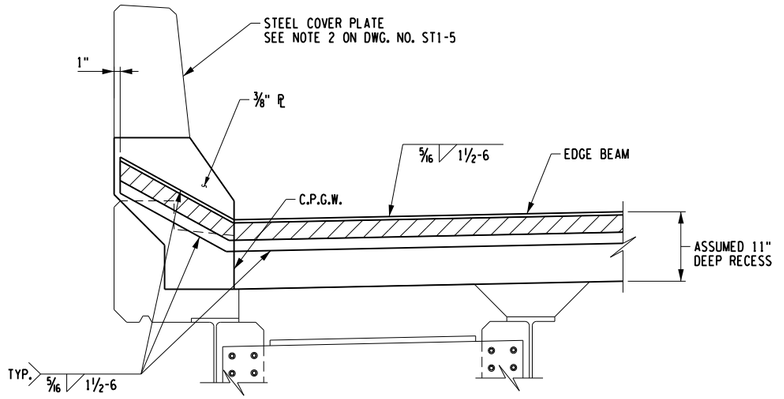
NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82	DATE: FEB. 2024
TITLE OF DRAWING: JOINT DETAILS - 5	DRAWING NUMBER: ST1-7

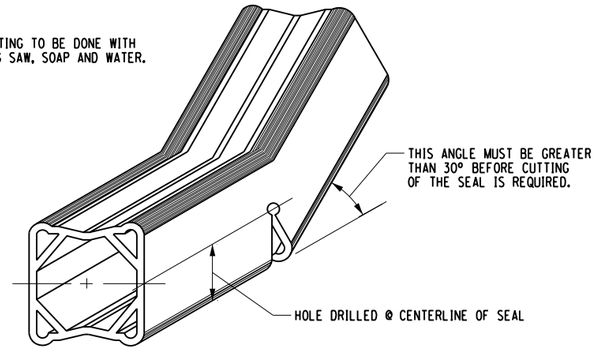


SECTION C-C



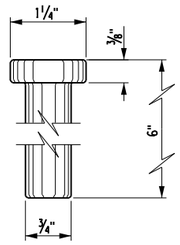
SECTION D-D

NOTE:
ALL CUTTING TO BE DONE WITH
A COPING SAW, SOAP AND WATER.

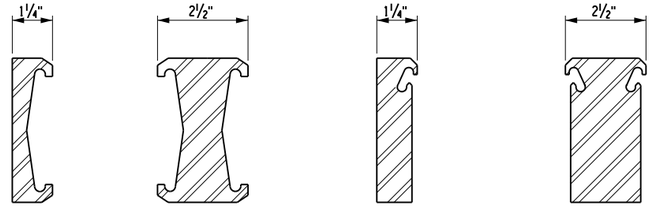


DETAIL FOR CUTTING
BOX SEAL

STRIP SEAL CROSS SECTION



DETAIL OF HEADED CONCRETE
ANCHOR STUD



EDGE BEAM
FOR BOX SEAL

SEPARATION BEAM
FOR BOX SEAL

EDGE BEAM
FOR STRIP SEAL

SEPARATION BEAM
FOR STRIP SEAL

NOTES:

1. THE SUPPLIER OF THE JOINT SYSTEM MUST BE ON THE NYSDOT APPROVED LIST.
2. THE ASSUMED DIMENSIONS OF THE BLOCKOUT (DEPTH AND WIDTH) ARE PLACED ON THE PLANS. IF THE JOINT SYSTEM SUPPLIED BY THE FABRICATOR/CONTRACTOR REQUIRES A CHANGE TO THE BLOCKOUT SIZE OR SUPPORT SYSTEM (I.E. END DIAPHRAGM, ETC.) DETAILED IN THE PLANS, THAT CHANGE TO THE BLOCKOUT OR SUPPORT SYSTEM SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE CHANGES TO THE BLOCKOUT OR SUPPORT SYSTEM AS A RESULT OF THE SUPPLIED JOINT SYSTEM.
3. THE MODULAR JOINT SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL JOINT SUPPLIED MAY VARY SIGNIFICANTLY FROM THE ONE SHOWN HERE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST ALL REQUIRED DIMENSIONS IN THE FIELD, BASED ON FIELD VERIFIED DIMENSIONS, TO ACCOMMODATE THE ACTUAL MODULAR JOINT SUPPLIED.
4. THE JOINT MANUFACTURER SHALL ENSURE THAT THE SUPPLIED SUPPORT BOX CAN BE ACCOMMODATED WITHIN THE DEPTH OF SLAB OUTSIDE THE FASCIA GIRDER.
5. IT IS DESIRABLE TO HAVE THE MODULAR JOINT WITH ITS SEAL ASSEMBLED IN THE SHOP AND DELIVERED TO THE JOB SITE ALL SET FOR INSTALLATION IN ITS PREFORMED RECESS IN THE STRUCTURAL SLAB. IN CASES WHERE THE JOINT CANNOT BE ASSEMBLED IN THE SHOP, DUE TO ITS EXCESSIVE LENGTH CAUSING SHIPPING PROBLEMS, THE JOINT SHALL HAVE THE SEAL IN PLACE BEFORE THE STRUCTURE IS OPENED TO TRAFFIC, INCLUDING CONSTRUCTION TRAFFIC, AND BEFORE DISCONTINUING OPERATION WHEN WORK IS SUSPENDED DURING THE WINTER.
6. STRIP SEAL OR BOX SEAL MAY BE USED AT THE CONTRACTOR'S OPTION.
7. ENDS OF BOX SEAL TO BE CAPPED WITH NEOPRENE SPONGE AS APPROVED BY ENGINEER.
8. PREPARE EXISTING SURFACES IN ACCORDANCE WITH STANDARD SPECIFICATION 566-3.03.
9. THE CONCRETE FURNISHED AND PLACED IN THE RECESSES FOR INSTALLING THE JOINT SYSTEM SHALL COMPLY WITH THE HPIC CONCRETE REQUIREMENTS OF SECTION 557 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT MACHINE FINISHING WILL NOT BE REQUIRED AND CURING TIME NEED NOT EXCEED 7 DAYS. THE COST FOR FURNISHING AND PLACING THIS CONCRETE SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 566.02.
10. THE THICKNESS OF THE BINDER AND TOP COURSES MAY BE ADJUSTED BY THE ENGINEER BASED ON THE OVERALL THICKNESS OF ASPHALT OVERLAY ON THE BRIDGE DECK.
11. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE DRAWN INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
12. PLACE TACK COAT ON ALL EXPOSED ASPHALT AND CONCRETE SURFACES THAT WILL BE IN CONTACT WITH NEW ASPHALT, AND BETWEEN ALL NEW ASPHALT LIFTS.
13. FOR LOCATIONS OF SECTIONS C-C AND D-D, SEE DRAWING NO. ST1-6.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE DIMENSIONS SHOWN ARE ADEQUATE FOR THE JOINT PROVIDED.

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82	DATE: FEB. 2024
TITLE OF DRAWING: JOINT DETAILS - 6	DRAWING NUMBER: ST1-8

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\197107-03-JointDeck\Drawings\Structures\MP 313.82\B7541_cpb_01_dtl_jnt_6.dgn
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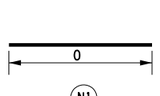

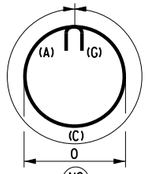

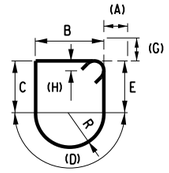

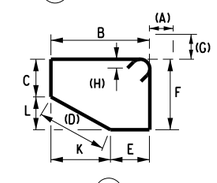

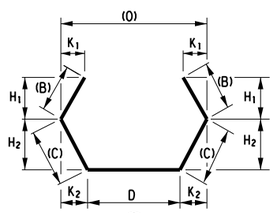

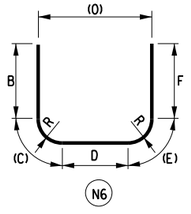

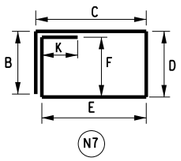

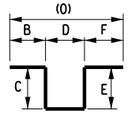

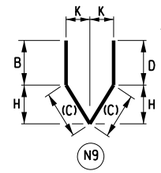

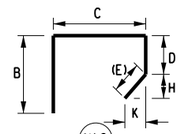

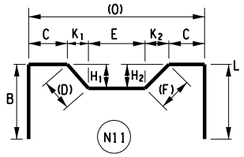

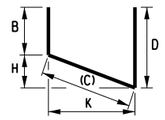

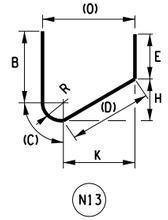

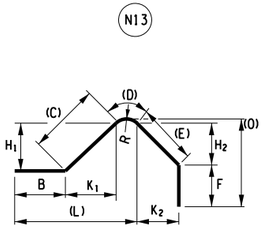

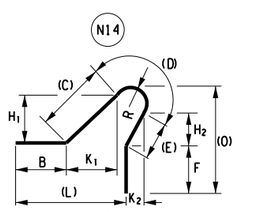

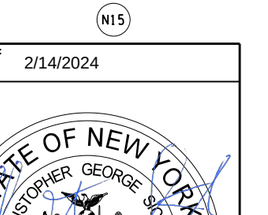

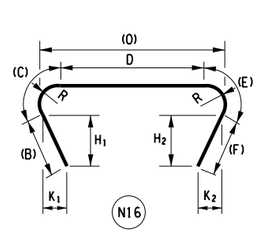

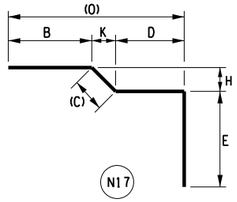

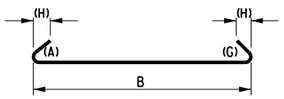

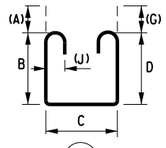

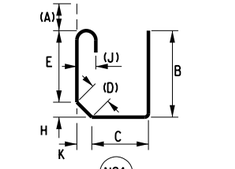

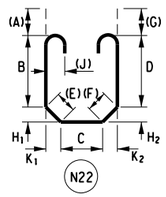

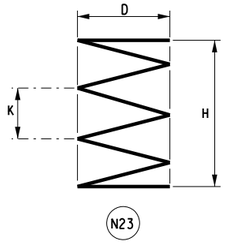

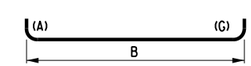

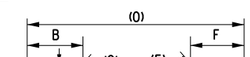

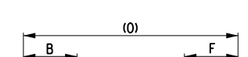

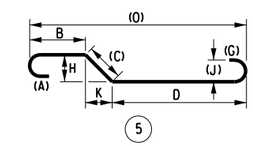

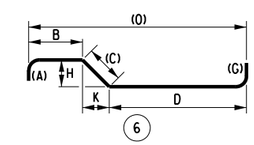

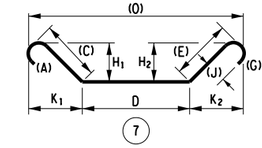

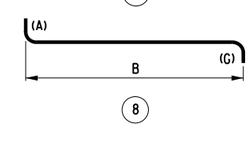

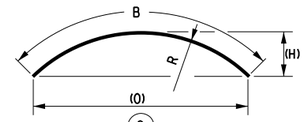

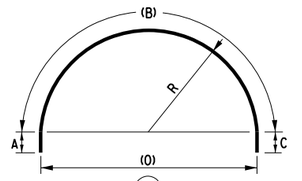

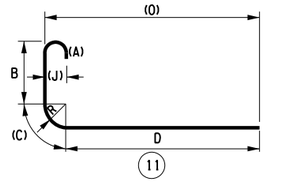

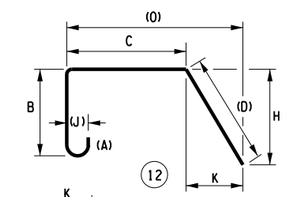

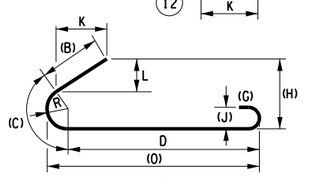

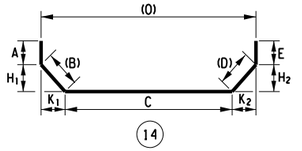

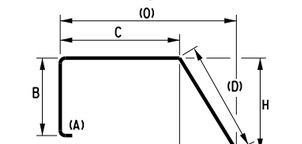

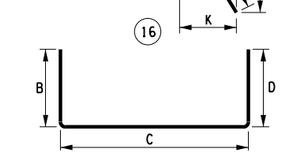

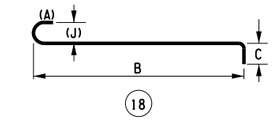

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SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SCHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

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 OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82	DATE: FEB. 2024
TITLE OF DRAWING: STANDARD BARBEND DETAILS	DRAWING NUMBER: ST1-9

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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USER = Lindot

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
MP 313.82 JOINT HEADERS																			
4SE01	5	29' - 7 1/4"	N1	98.9														29' - 7 1/4"	
4SE02	5	29' - 3 1/4"	N1	97.8														29' - 3 1/4"	
4SE03	120	3' - 3"	17	260.5		1' - 11"	1' - 4"	0' - 0"											
4SE04	120	1' - 11"	17	153.6		1' - 1"	0' - 10"	0' - 0"											
SUBTOTAL EPOXY BARS				610.8	LBS THIS POUR														

NOTES:

1. REINFORCEMENT PAID UNDER ITEM 556.0202.

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY:
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY:

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REVISIONS

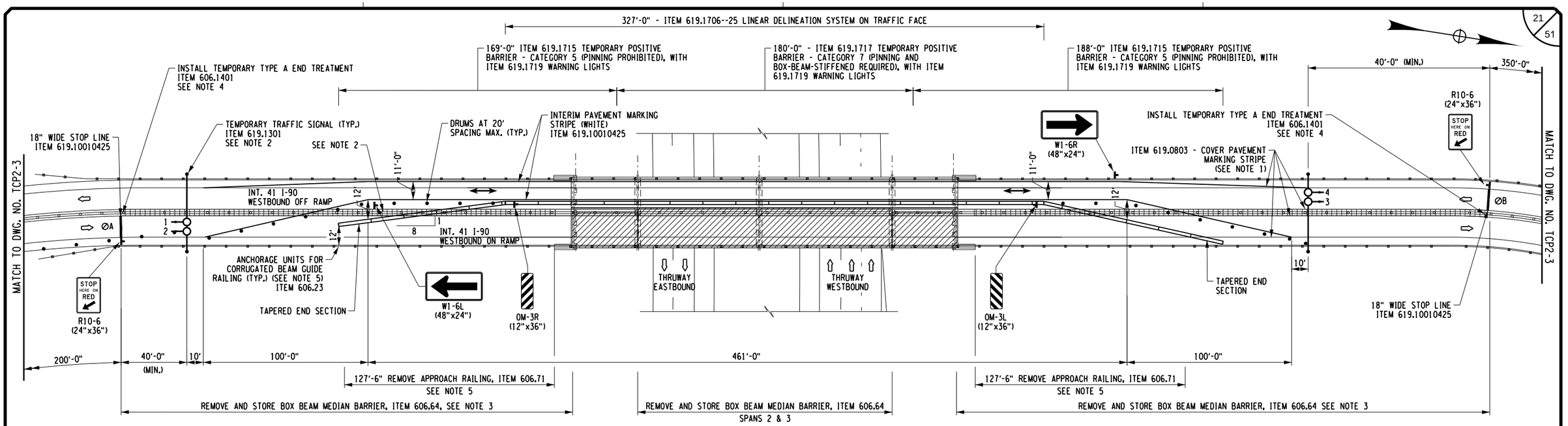
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: DECK/HEADER REPAIRS AND JOINT REPLACEMENTS
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 4435021 MP 313.82
TITLE OF DRAWING: BAR LIST

CONTRACT NUMBER: TAS 24-16B
DATE: FEB. 2024
DRAWING NUMBER: ST1-10



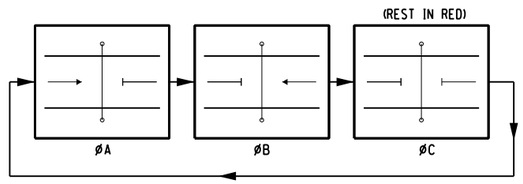
MP 320.41 / BIN 5510440
STAGE 1 TRAFFIC CONTROL PLAN
SCALE: 1"=60'

LEGEND

SIGN	WORK SPACE
TRAFFIC DRUMS	
TEMPORARY POSITIVE BARRIER	TEMPORARY TRAFFIC SIGNAL
REMOVE AND STORE BOX BEAM MEDIAN BARRIER	

NOTES:

1. CONTRACTOR SHALL COVER ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING. COST INCLUDED UNDER ITEM 619.0803.
2. CONTRACTOR SHALL REMOVE AND STORE BOX BEAM MEDIAN BARRIER THAT ARE CONFLICTING WITH TRAFFIC SHIFTING. COST INCLUDED UNDER ITEM 606.64.
3. MILL AND FILL BOX BEAM MEDIAN BARRIER POST LOCATIONS PRIOR TO TRAFFIC CONTROL. COST INCLUDED IN ITEM 606.64.
4. THE CONTRACTOR SHALL RESTORE EXISTING PAVEMENT UPON REMOVAL OF TEMPORARY END TREATMENT. PAVEMENT COURSES SHALL MATCH THE EXISTING PAVEMENT SECTION. COST INCLUDED IN ITEM 606.1401.
5. THE CONTRACTOR SHALL INSTALL ALL RAILINGS ALONG THE EAST SIDE OF THE BRIDGE AND APPROACH ROADWAY BEFORE SHIFTING TRAFFIC TO STAGE 2. ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING SHALL BE USED AT THE ENDS OF THE CORRUGATED GUIDE RAIL TO REMAIN AND REMOVED PRIOR TO INSTALLING PROPOSED RAILING ITEMS. LIMITS OF REMOVAL AND REPLACEMENT OF THE APPROACH CORRUGATED BEAM GUIDE RAILING SHALL BE AS APPROVED BY THE ENGINEER.
6. ALL WORK SHOWN WITHOUT ITEM NUMBER REFERENCES (DELINEATION DEVICES, SIGNAGE, ETC.) SHALL BE INCLUDED IN THE COST OF ITEM 619.01.



PHASE DIAGRAM

TABLE OF OPERATIONS

PHASES	FACES		TIMING (SEC)			RECALL
	1,2	3,4	INITIAL	EXTENSION	TIME	
A	G	R	12	4	34	NO
1ST CLEARANCE	Y	R	-	-	5	-
2ND CLEARANCE	R	R	-	-	39	-
B	R	G	12	4	34	NO
1ST CLEARANCE	R	Y	-	-	5	-
2ND CLEARANCE	R	R	-	-	39	-
C (REST IN RED)	R	R	-	-	1	YES
1ST CLEARANCE	R	R	-	-	0.5	-
2ND CLEARANCE	R	R	-	-	0.5	-

TEMPORARY TRAFFIC SIGNAL NOTES:

1. THE TIMING, PHASING AND DETECTOR LOCATIONS ARE CONSIDERED START-UP AND MAY REQUIRE CHANGES DUE TO OBSERVED TRAFFIC CONDITIONS.
2. THE TEMPORARY TRAFFIC SIGNALS SHALL UTILIZE A REST IN RED PHASE.
3. EMERGENCY FLASH OPERATION IS CONSIDERED A MALFUNCTION. FLAGGERS ARE REQUIRED UNTIL MALFUNCTION IS REPAIRED.
4. EXISTING PAVEMENT MARKINGS BETWEEN THE STOP LINES ARE TO BE COVERED AOBE. COST INCLUDED UNDER ITEM 619.0803.
5. MINIMUM CLEARANCE FROM PAVEMENT TO BOTTOM OF HEADS IS 16.5 FT.
6. ALL SIGNAL HEADS SHALL CONTAIN 12" LENSES.
7. POWER SOURCE TO BE DETERMINED BY CONTRACTOR AND POWER COMPANY.
8. PROPER POLES TO SUPPORT THE 3-COLOR SIGNAL HEADS TO BE DETERMINED BY THE CONTRACTOR.
9. MICROWAVE VEHICLE DETECTORS SHALL BE USED TO DETECT ALL PHASES.
10. ALL SPAN WIRE, TRAFFIC SIGNAL CABLE, AND OTHER WIRE USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE NEW MATERIAL MEETING THE APPLICABLE REQUIREMENTS OF SUBSECTION 680-02 OF THE STANDARD SPECIFICATIONS.
11. ALL OTHER EQUIPMENT FOR TEMPORARY TRAFFIC SIGNALS SHALL MEET THE REQUIREMENTS OF SUBSECTION 680-02 OF THE STANDARD SPECIFICATIONS EXCEPT FOR THE FOLLOWING MODIFICATIONS.
    A. USED EQUIPMENT IN GOOD OPERATING CONDITION MAY BE FURNISHED TO PROVIDE THE REQUIRED OPERATION OF THE SIGNALS.
    B. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WILL NOT BE REQUIRED.
    C. THE SIGNAL CONTROLLER MAY BE EITHER SOLID STATE OR MICRO PROCESSOR BASED.
    D. THE MATERIAL AND PAINTING REQUIREMENT OF SECTION 724.04, TRAFFIC SIGNAL HEADS, OF THE STANDARD SPECIFICATIONS SHALL NOT APPLY EXCEPT THAT THE SIGNAL HEAD HOUSING SHALL BE MADE OF POLYCARBONATE AND SHALL BE DARK GREEN IN COLOR.
    E. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE EQUIPPED WITH A CONFLICT MONITOR.

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	STAGE 1 TRAFFIC CONTROL PLAN
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	TCP2-1

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: B. HYDE
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-Joint Deck\Drawings\Structures\MP 320.41\B7541_cph_02.mpp.Stage1A.dgn
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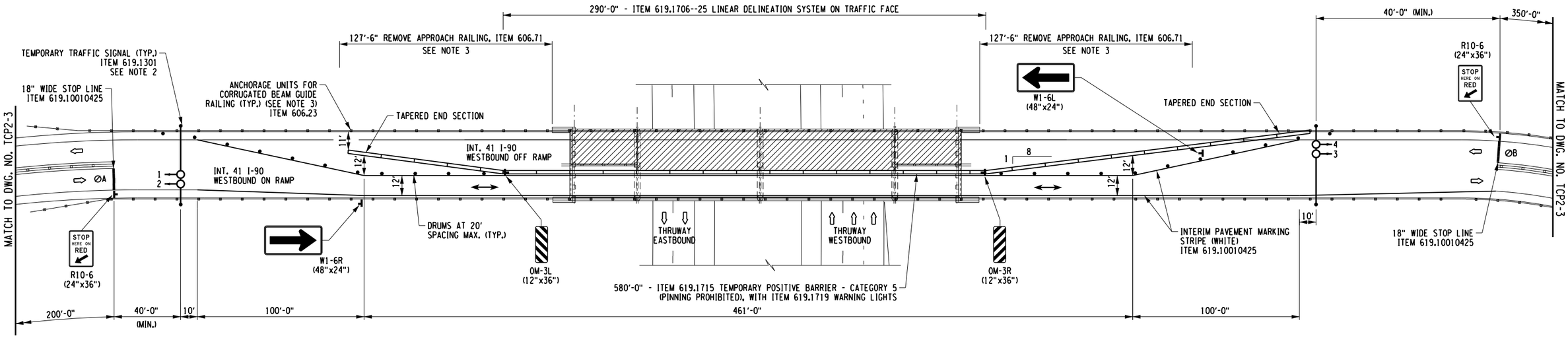


MP 320.41 / BIN 5510440
STAGE 2 TRAFFIC CONTROL PLAN

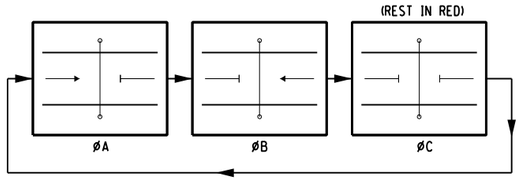
SCALE: 1"=60'

LEGEND

- SIGN
- TRAFFIC DRUMS
- TEMPORARY POSITIVE BARRIER
- WORK SPACE
- TEMPORARY TRAFFIC SIGNAL

NOTES:

1. CONTRACTOR SHALL COVER ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING. COST INCLUDED UNDER ITEM 619.0803.
2. CONTRACTOR SHALL REMOVE AND STORE BOX BEAM MEDIAN BARRIER THAT ARE CONFLICTING WITH TRAFFIC SHIFTING. COST INCLUDED UNDER ITEM 606.64.
3. ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING SHALL BE USED AT THE ENDS OF THE CORRUGATED GUIDE RAIL TO REMAIN AND REMOVED PRIOR TO INSTALLING PROPOSED RAILING ITEMS. LIMITS OF REMOVAL AND REPLACEMENT OF THE APPROACH CORRUGATED BEAM GUIDE RAILING SHALL BE AS APPROVED BY THE ENGINEER.
4. ALL WORK SHOWN WITHOUT ITEM NUMBER REFERENCES (DELINEATION DEVICES, SIGNAGE, ETC.) SHALL BE INCLUDED IN THE COST OF ITEM 619.01.
5. REFER TO DWG. NO. TCP2-1 FOR TEMPORARY TRAFFIC SIGNAL NOTES.



PHASE DIAGRAM

TABLE OF OPERATIONS

PHASES	FACES		TIMING (SEC)			RECALL
	1,2	3,4	INITIAL	EXTENSION	TIME	
A	G	R	12	4	34	NO
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2ND CLEARANCE	R	R	-	-	39	-
B	R	G	12	4	34	NO
1ST CLEARANCE	R	Y	-	-	5	-
2ND CLEARANCE	R	R	-	-	39	-
C (REST IN RED)	R	R	-	-	1	YES
1ST CLEARANCE	R	R	-	-	0.5	-
2ND CLEARANCE	R	R	-	-	0.5	-

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SCHAK · EXCELSIOR · 084524 · 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 OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING: STAGE 2 TRAFFIC CONTROL PLAN

CONTRACT NUMBER: TAS 24-16B
DATE: FEB. 2024
DRAWING NUMBER: TCP2-2

DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: B. HYDE
DESIGN SUPERVISOR: C. SICHAK

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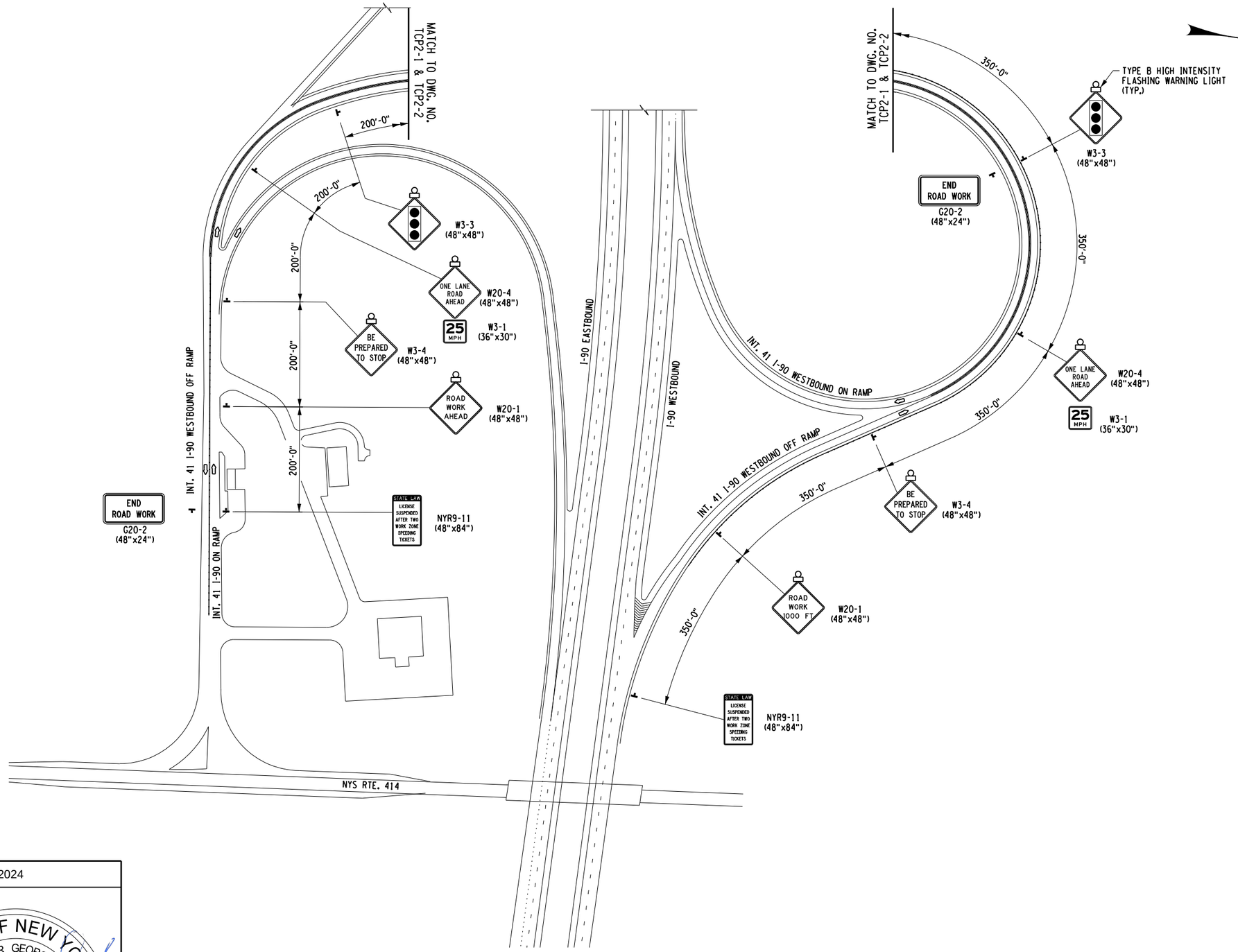

GENERAL TRAFFIC CONTROL PLAN

NO SCALE

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: B. HYDE
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

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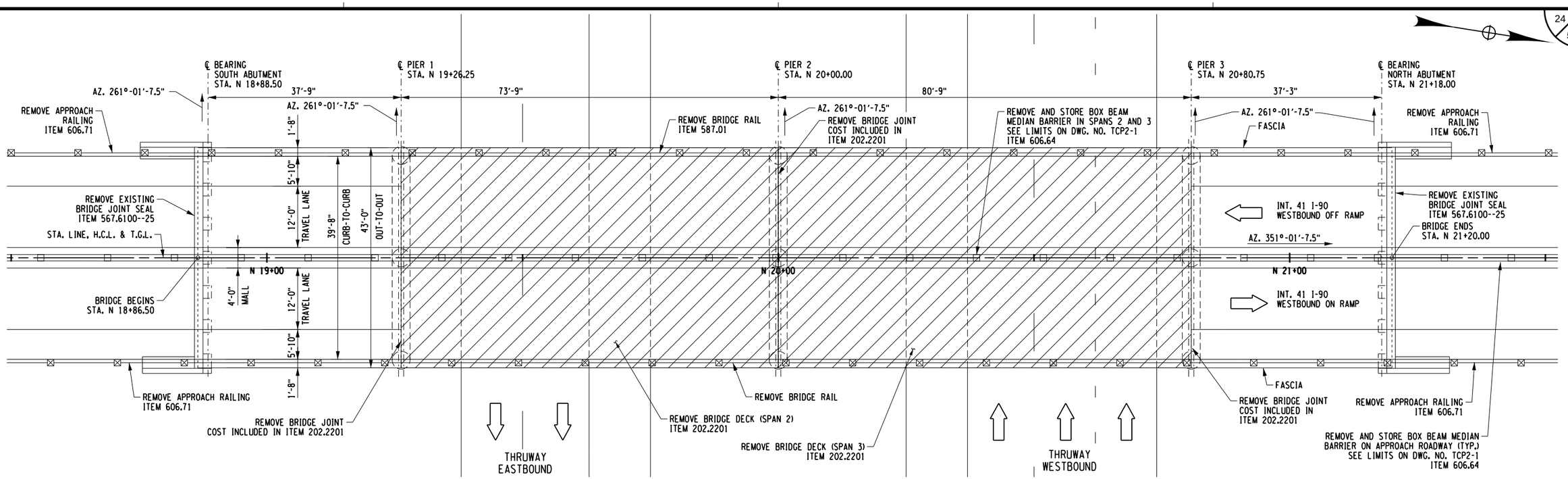
REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

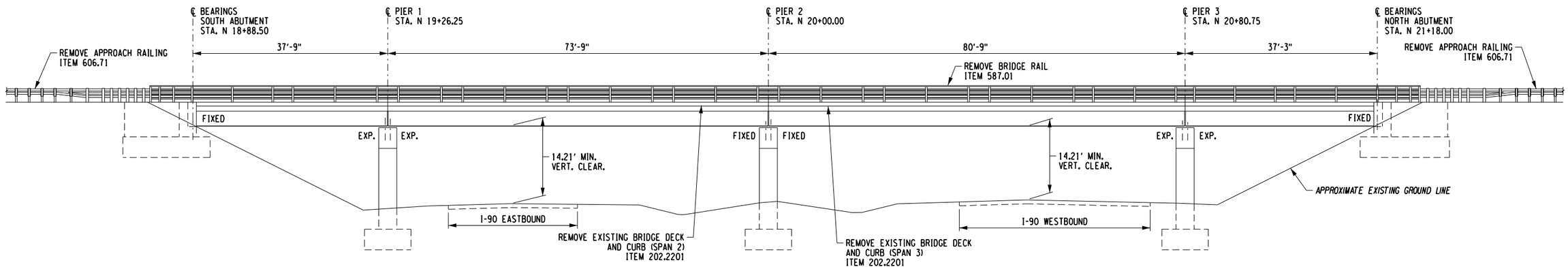
ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	GENERAL TRAFFIC CONTROL PLAN
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	TCP2-3



EXISTING PLAN

MP 320.41
SCALE: 1"=20'



EXISTING ELEVATION

MP.320.41
SCALE: 1"=20'-0"

REMOVE EXISTING BRIDGE DECK SLAB, ITEM 202.2201

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ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	EXISTING PLAN AND ELEVATION
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-1

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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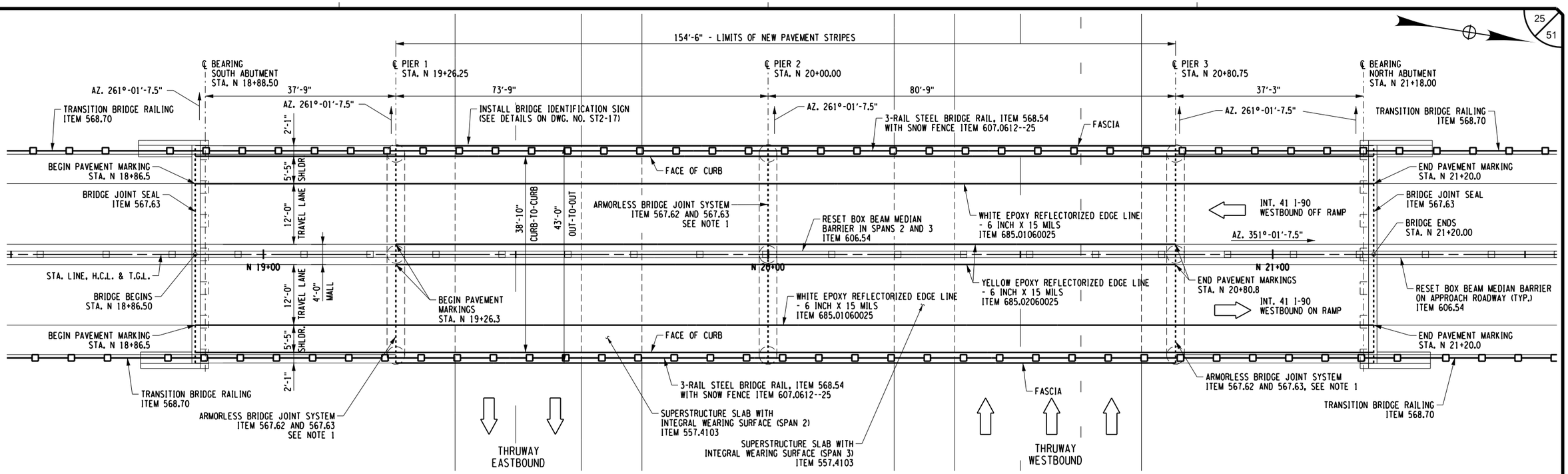
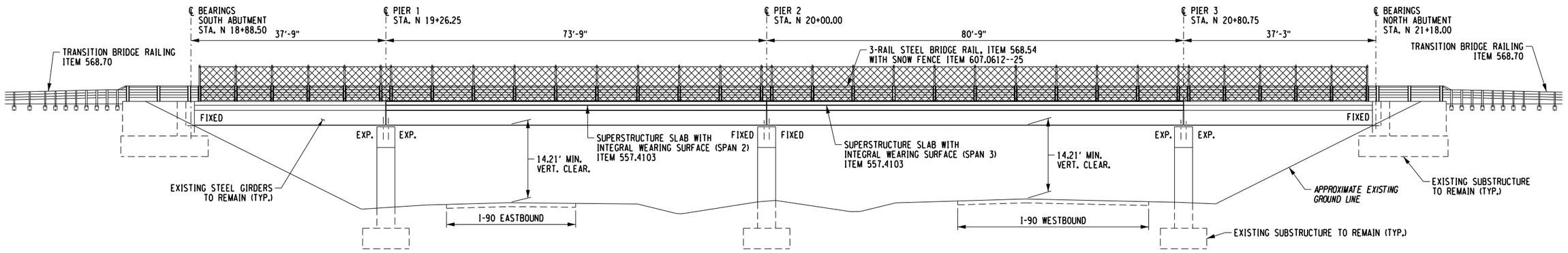


PROPOSED PLAN
MP 320.41
SCALE: 1"=20'



PROPOSED ELEVATION
MP 320.41
SCALE: 1"=20'-0"

NOTES:

1. THE TRANSVERSE DECK JOINTS AT THE FOLLOWING LOCATIONS SHALL BE REHABILITATED AS FOLLOWS:
   - SOUTH ABUTMENT: REMOVE EXISTING BRIDGE JOINT SEAL AND INSTALL NEW BRIDGE JOINT SEAL. REFER TO REPLACEMENT DETAILS ON DWG. NO. ST2-18.
   - PIER 1: REMOVE EXISTING JOINT SYSTEM AND INSTALL NEW ARMORLESS BRIDGE JOINT SYSTEM. REFER TO REPLACEMENT DETAILS ON DWG. NO. ST2-19.
   - PIER 2: REMOVE EXISTING JOINT SYSTEM AND INSTALL NEW ARMORLESS BRIDGE JOINT SYSTEM. REFER TO REPLACEMENT DETAILS ON DWG. NO. ST2-18.
   - PIER 3: REMOVE EXISTING JOINT SYSTEM AND INSTALL NEW ARMORLESS BRIDGE JOINT SYSTEM. REFER TO REPLACEMENT DETAILS ON DWG. ST2-19.
   - NORTH ABUTMENT: REMOVE EXISTING BRIDGE JOINT SEAL AND INSTALL NEW BRIDGE JOINT SEAL. REFER TO REPLACEMENT DETAILS ON DWG. NO. ST2-18.

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: PROPOSED PLAN AND ELEVATION	DRAWING NUMBER: ST2-2

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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PVI STA. N 20+00.00
ELEV 532.93
L = 600.00 FT.
G1 = 3.00%
G2 = -3.00%
K = -4.50 FT.
SSD = 464.58 FT.

℄ PIER 1
STA. N 19+26.25

℄ PIER 2
STA. N 20+00.00

℄ PIER 3
STA. N 20+80.75

℄ BEARINGS
SOUTH ABUTMENT
STA. N 18+88.50

37'-9"
SPAN 1

73'-9"
SPAN 2

80'-9"
SPAN 3

37'-3"
SPAN 4

℄ BEARINGS
NORTH ABUTMENT
STA. N 21+18.00

ELEVATION

APPROXIMATE EXISTING GRADE

PROPOSED GRADE

EXISTING ABUTMENT TO REMAIN

14.21' MIN. VERT. CLEAR.

14.21' MIN. VERT. CLEAR.

EXISTING ABUTMENT TO REMAIN

I-90 EASTBOUND

I-90 WESTBOUND

ALL EXISTING PIERS TO REMAIN (TYP.)

535
530
525
520
515
510
505
500
495

527.3
527.9
528.30
528.3
528.42
528.4
528.30
528.3
527.9
527.3

N 18+00
N 18+50
N 19+00
N 20+00
N 21+00
N 21+50
N 22+00

STATION

PROFILE

SCALE: 1"=40' HOR.
1"=5' VERT.

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

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USER = Lindot

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER GEORGE SICHAK
EXCELSIOR
084524
LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT
AND JOINT REPLACEMENTS

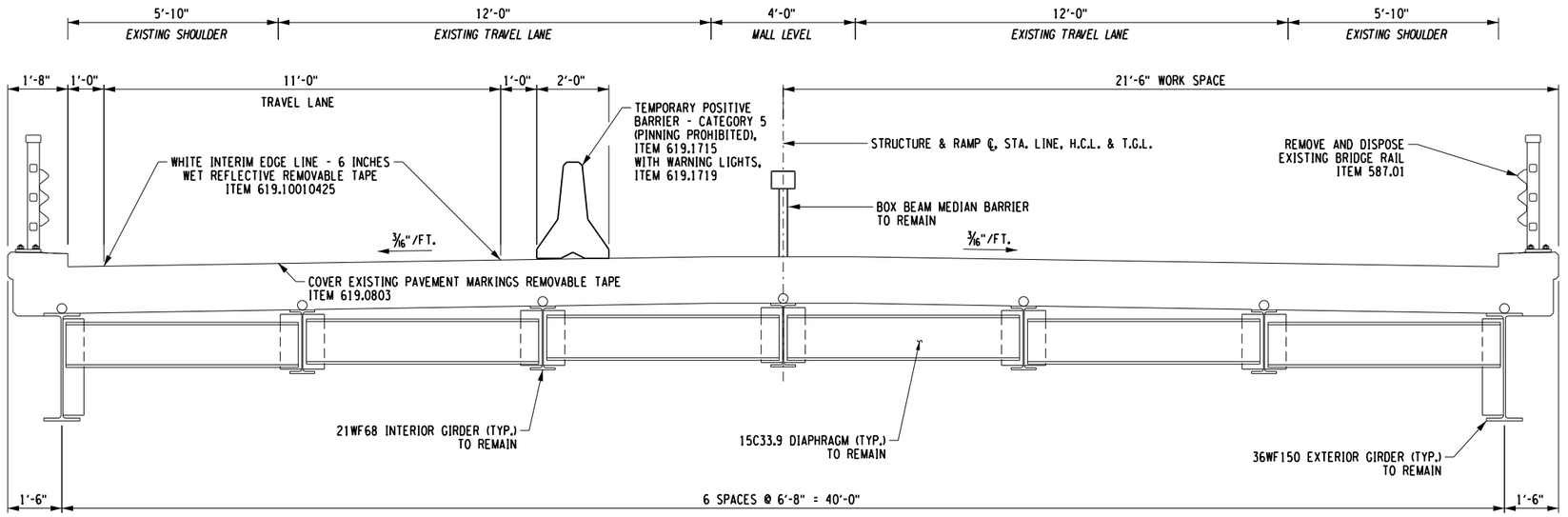
LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
PROFILE

CONTRACT NUMBER: TAS 24-16B

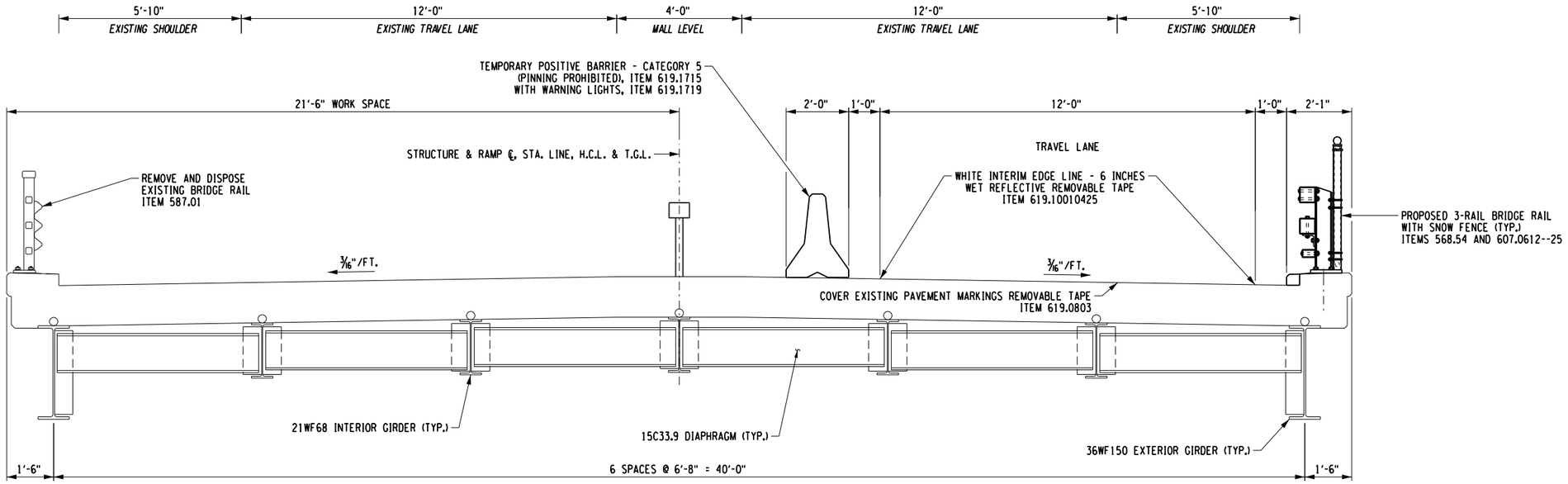
DATE: FEB. 2024

DRAWING NUMBER: ST2-3



STAGE 1 TYPICAL SECTION

(SPAN 1 AND SPAN 4)
SCALE: 1/4" = 1'-0"



STAGE 2 TYPICAL SECTION

(SPAN 1 AND SPAN 4)
SCALE: 1/4" = 1'-0"

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SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	STAGING SECTIONS SPAN 1 AND SPAN 4
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-4

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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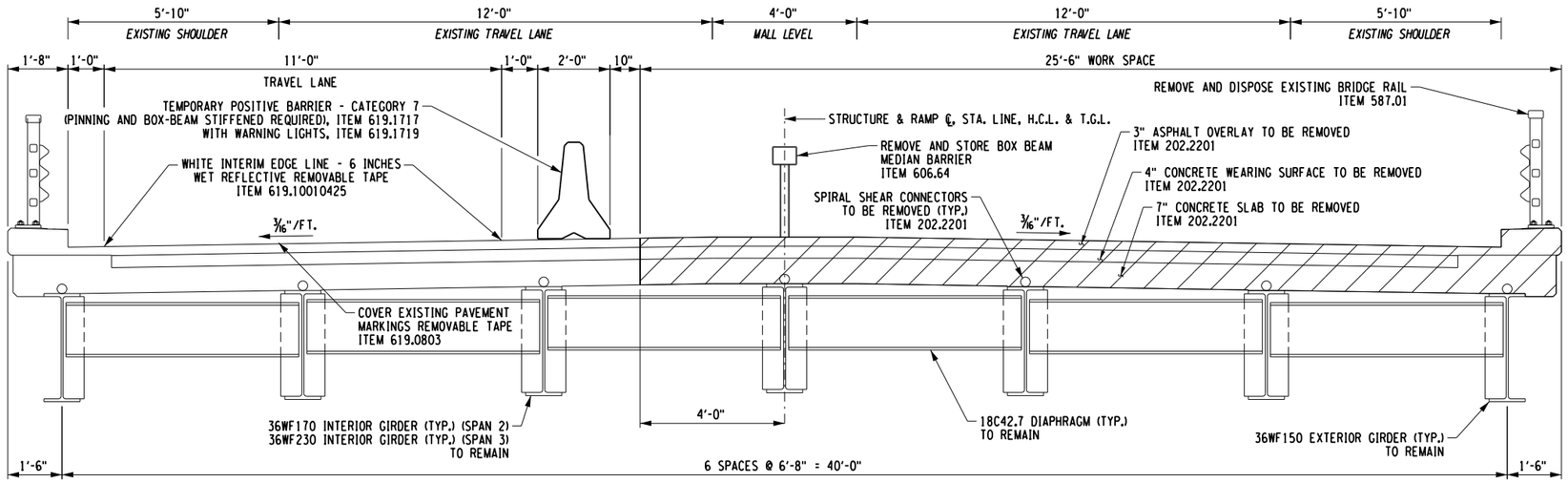
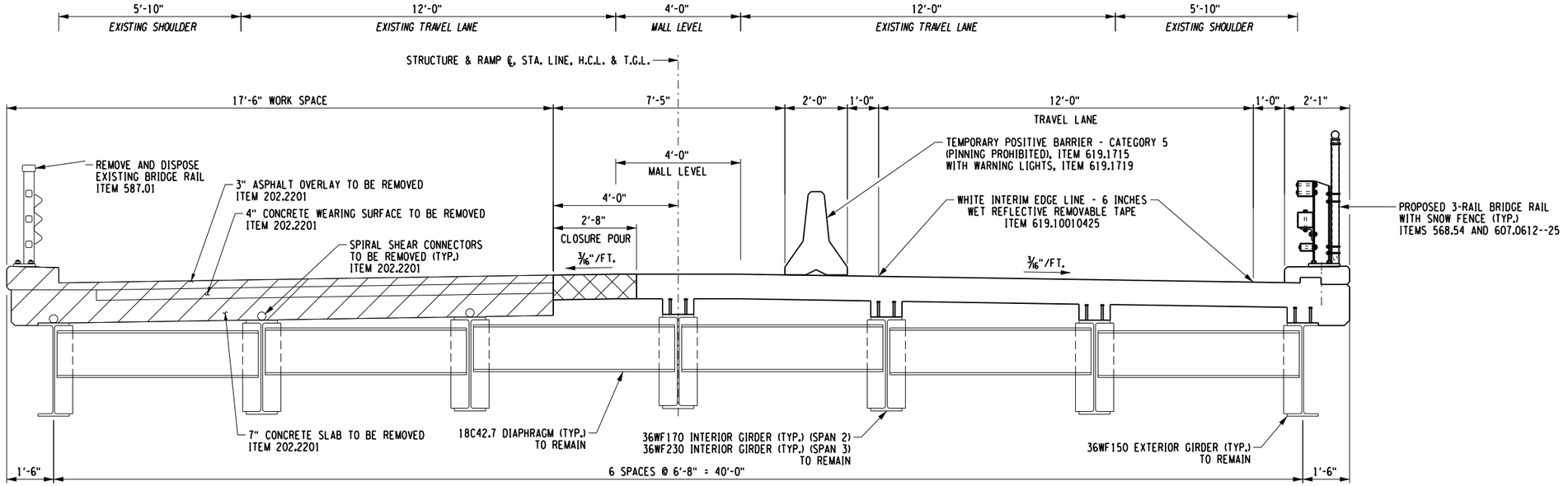


STAGE 1 TYPICAL SECTION

(SPAN 2 AND SPAN 3)

SCALE: 1/4" = 1'-0"



STAGE 2 TYPICAL SECTION

(SPAN 2 AND SPAN 3)

SCALE: 1/4" = 1'-0"

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER GEORGE SICHAK
EXCELSIOR
084524
LICENSED PROFESSIONAL ENGINEER

LEGEND

ITEM 202.2201 - REMOVING EXISTING SUPERSTRUCTURES

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT
AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
STAGING SECTIONS
SPAN 2 AND SPAN 3

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-5

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI

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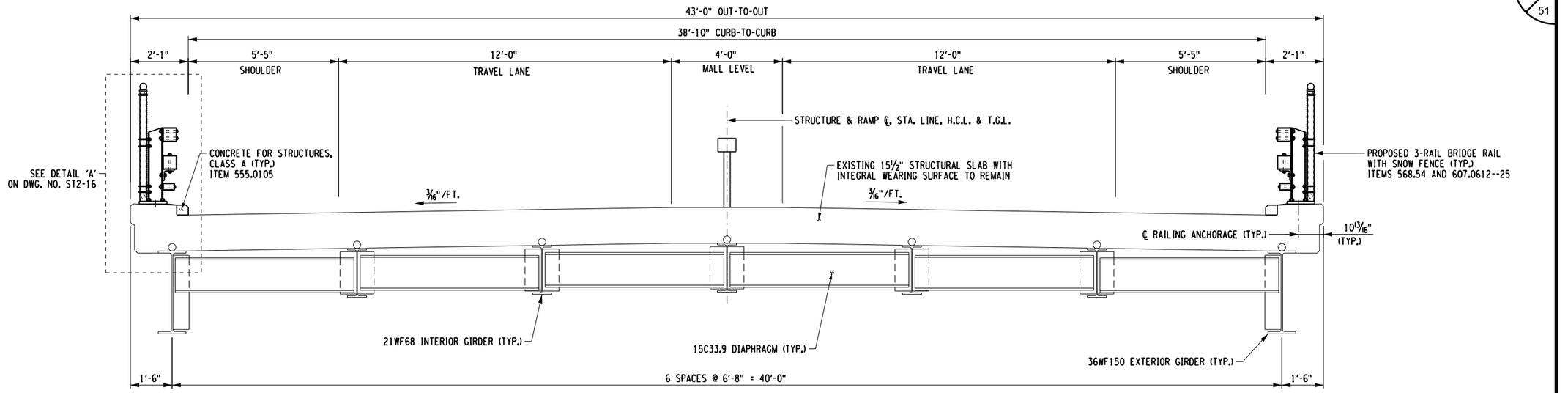
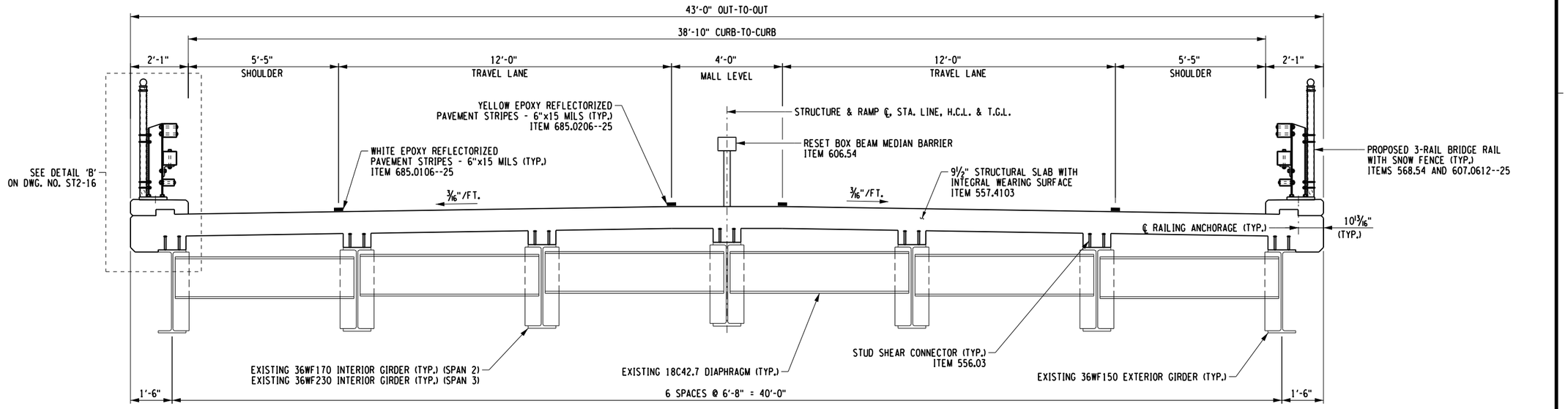


PROPOSED TYPICAL SECTION

(SPAN 1 AND SPAN 4)

SCALE: 1/4" = 1'-0"



PROPOSED TYPICAL SECTION

(SPAN 2 AND SPAN 3)

SCALE: 1/4" = 1'-0"

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	PROPOSED TYPICAL SECTIONS
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-6

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

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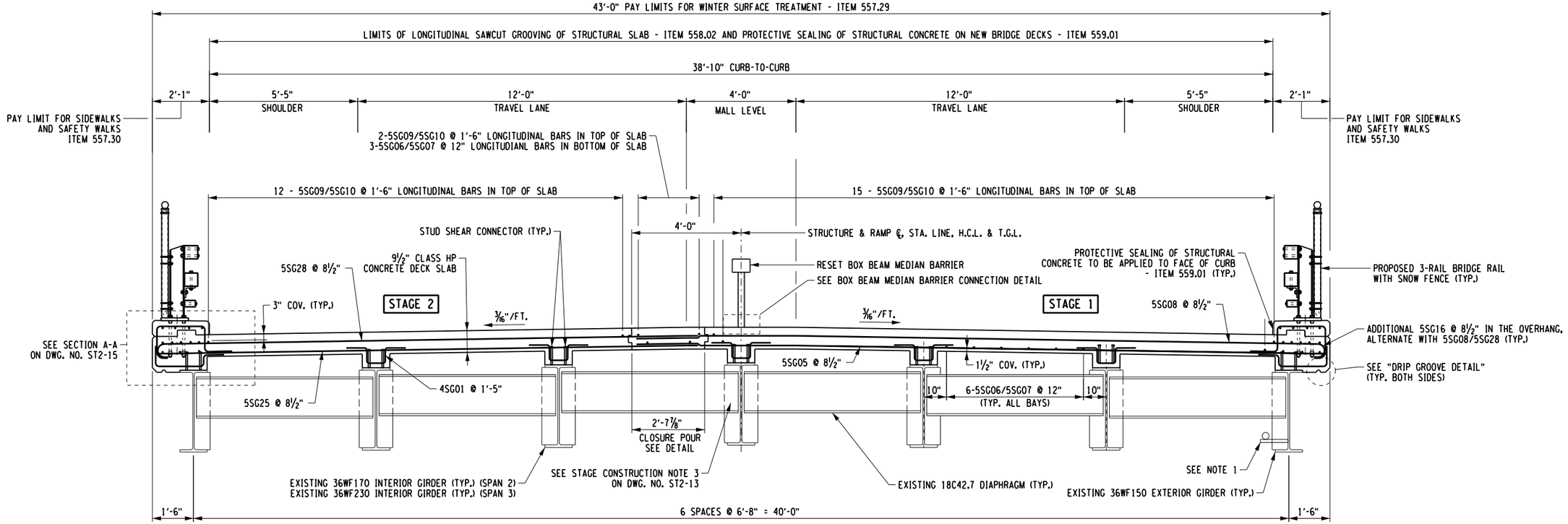
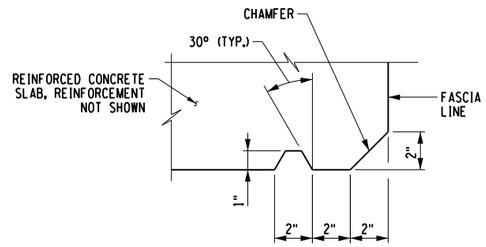


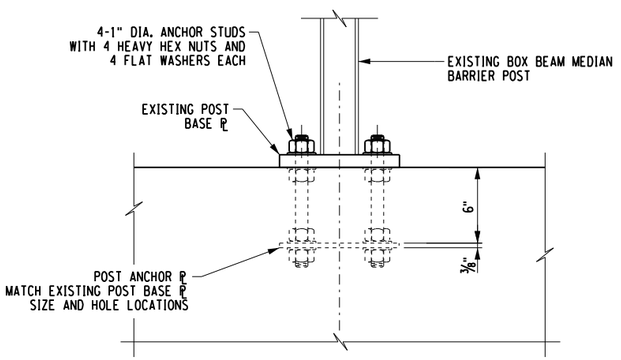
PROPOSED TRANSVERSE SECTION

(SPAN 2 SHOWN, SPAN 3 SIMILAR)
SCALE: ¼" = 1'-0"



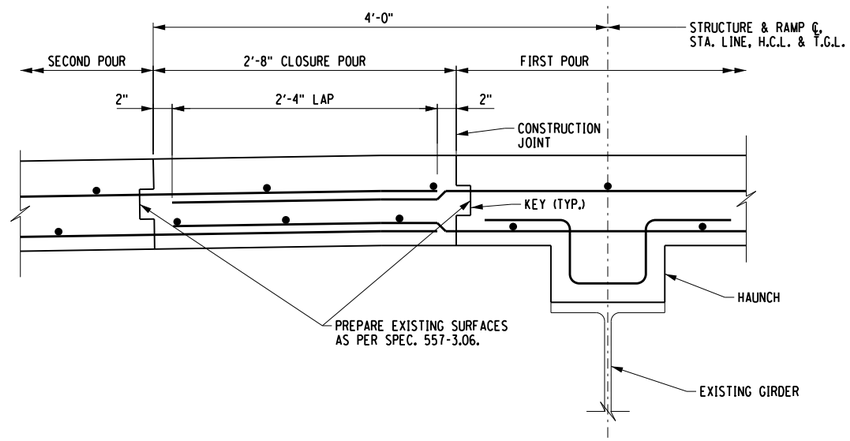
DRIP GROOVE DETAIL

NOT TO SCALE



BOX BEAM MEDIAN BARRIER CONNECTION

NOT TO SCALE



LONGITUDINAL CONSTRUCTION JOINT IN SLAB

(SPAN 2 AND SPAN 3)
NOT TO SCALE

NOTES:

1. I.T.S. EQUIPMENT IS PRESENT IN BAY 6. THE CONTRACTOR SHALL PROVIDE METHODS TO PROTECT THIS EQUIPMENT.

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	PROPOSED TRANSVERSE SECTION SPAN 2 AND SPAN 3
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-7

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: E. FARRELL
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_02_sec_trn-2.dgn
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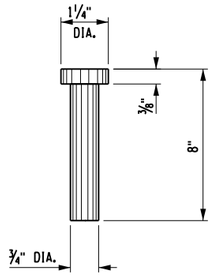
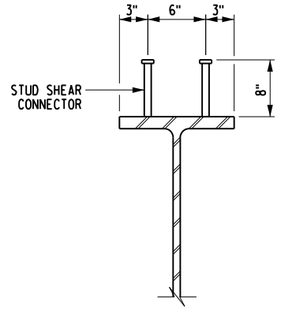
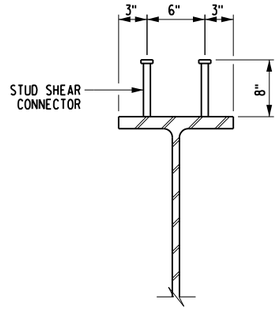


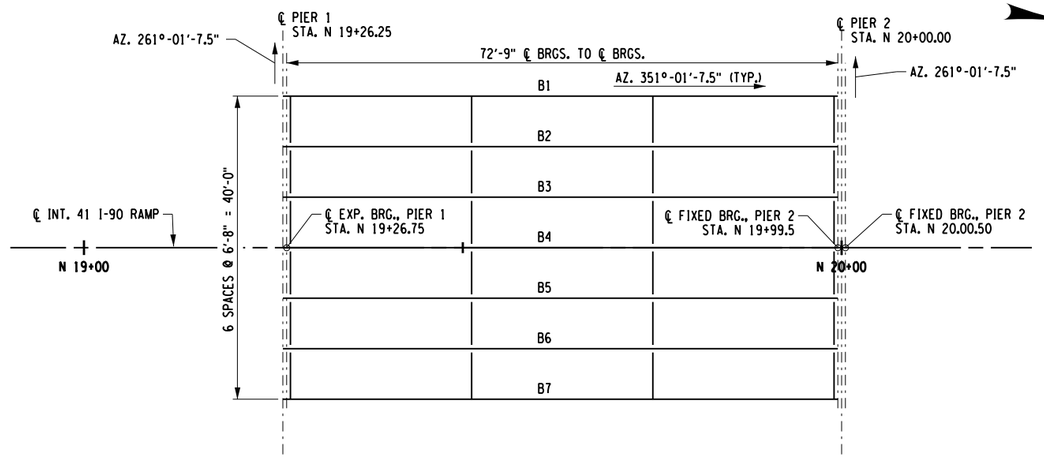
STUD DETAIL
NOT TO SCALE



INTERIOR GIRDER SECTION A-A
NOT TO SCALE



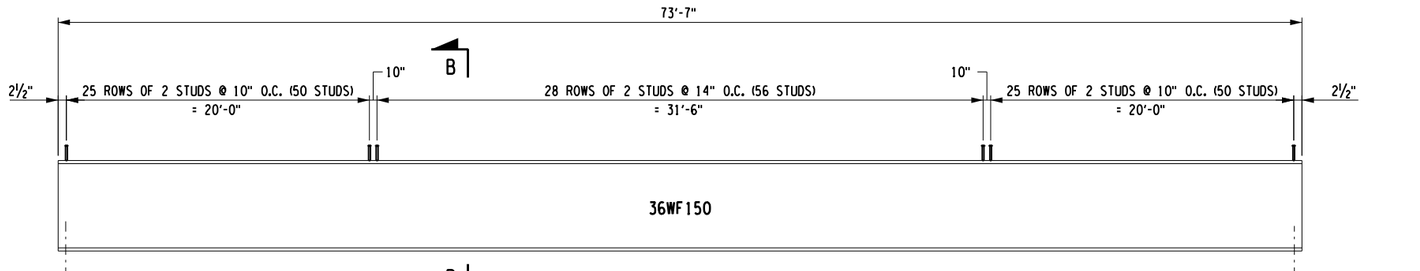
FASCIA GIRDER SECTION B-B
NOT TO SCALE



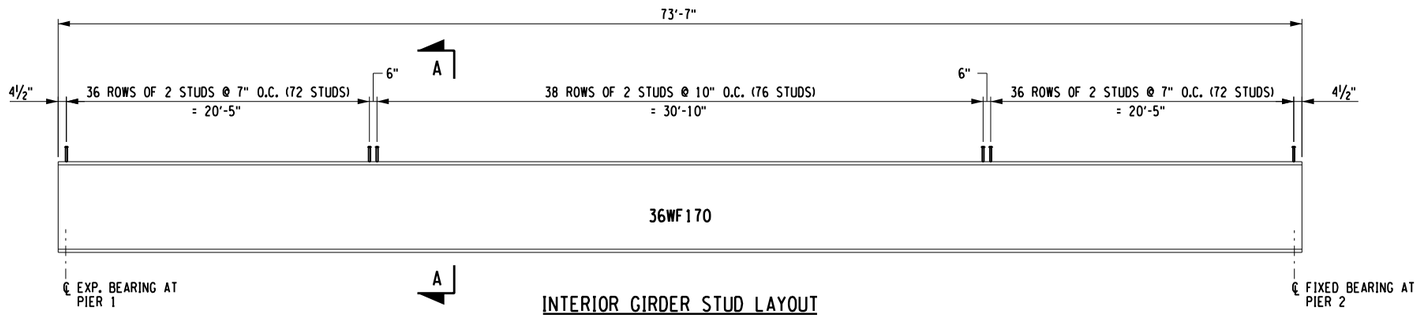
FRAMING PLAN - SPAN 2
SCALE: 1"=20'

NOTES:

1. ALL EXISTING SPIRAL RODS SHALL BE REMOVED.
2. UPON REMOVAL OF DECK, ELEVATION SHOTS SHALL BE TAKEN AT TENTH POINTS ALONG THE CENTERLINE OF EACH GIRDER TO VERIFY STEEL DEAD LOAD DEFLECTION. ANY VARIATIONS FROM THE EXPECTED SHOWN ON THE CONTRACT PLANS SHALL BE REPORTED TO THE DIRECTOR OF STRUCTURES DESIGN FOR POSSIBLE FIELD CORRECTIONS. IN THIS SITUATION, NO WORK SHALL PROGRESS UNTIL THE PROBLEM IS RESOLVED TO THEIR SATISFACTION.
3. UPON COMPLETION OF FORMWORK, DECK REINFORCING, AND SCREED MACHINE, ELEVATION SHOTS SHALL BE TAKEN AT TENTH POINTS ALONG THE CENTERLINE OF EACH GIRDER DURING THE DRY RUN TO VERIFY APPROPRIATE DECK THICKNESS, COVER, AND THE APPEARANCE OF ANY DIFFERENTIAL DEFLECTIONS BETWEEN THE ADJACENT GIRDERS. ANY VARIATIONS FROM THE DEFLECTIONS SHOWN ON THE CONTRACT PLANS, OR INDICATIONS OF POSSIBLE SUBSTANDARD DECK THICKNESS OR COVER SHALL BE REPORTED TO THE DIRECTOR OF STRUCTURES DESIGN FOR POSSIBLE FIELD CORRECTIONS. IN THIS SITUATION, NO WORK SHALL PROGRESS UNTIL THE PROBLEM IS RESOLVED TO THEIR SATISFACTION.
4. DURING THE DECK POURING OPERATION, THE CONTRACTOR SHALL MONITOR THE ACTUAL DECK THICKNESS AT TENTH POINTS ALONG THE CENTERLINE OF EACH GIRDER TO INSURE THE MINIMUM THICKNESS AND REINFORCING COVER AS SHOWN ON THESE PLANS. IF THIS IS NOT THE CASE, THE DIRECTOR OF STRUCTURES DESIGN SHALL BE IMMEDIATELY NOTIFIED OF THE SITUATION AND POSSIBLE RAMIFICATION (I.E. SUBSTANDARD DECK THICKNESS). IN THIS SITUATION, NO WORK SHALL PROGRESS UNTIL THE PROBLEM IS RESOLVED TO THEIR SATISFACTION.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING IF REQUIRED OF THE FASCIA GIRDER TO PREVENT TORSIONAL AND VERTICAL DIFFERENTIAL DEFLECTIONS DURING PLACEMENT OF THE DECK OVERHANG. COST INCLUDED UNDER ITEM 557.4103.



FASCIA GIRDER STUD LAYOUT
NOT TO SCALE



INTERIOR GIRDER STUD LAYOUT
NOT TO SCALE

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SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	STEEL DETAILS SPAN 2
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-8

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY:
DRAFTED BY: T. LINDO
CHECKED BY: E. FARRELL

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541.cpb.02.frm.Span-2.dgn
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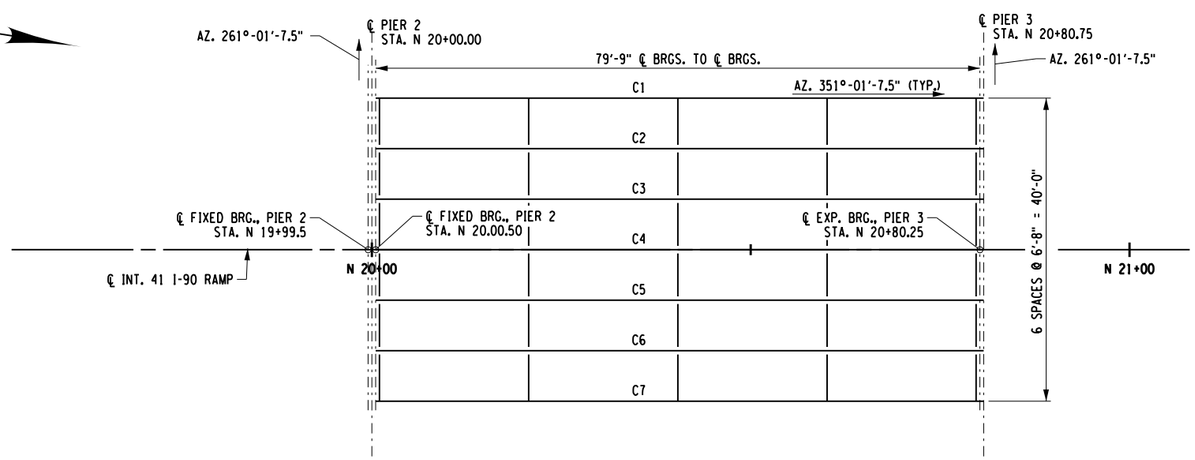
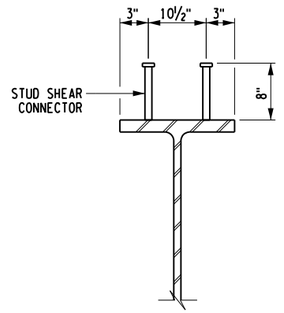


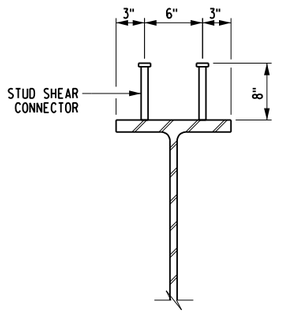
FRAMING PLAN - SPAN 3

SCALE: 1"=20'



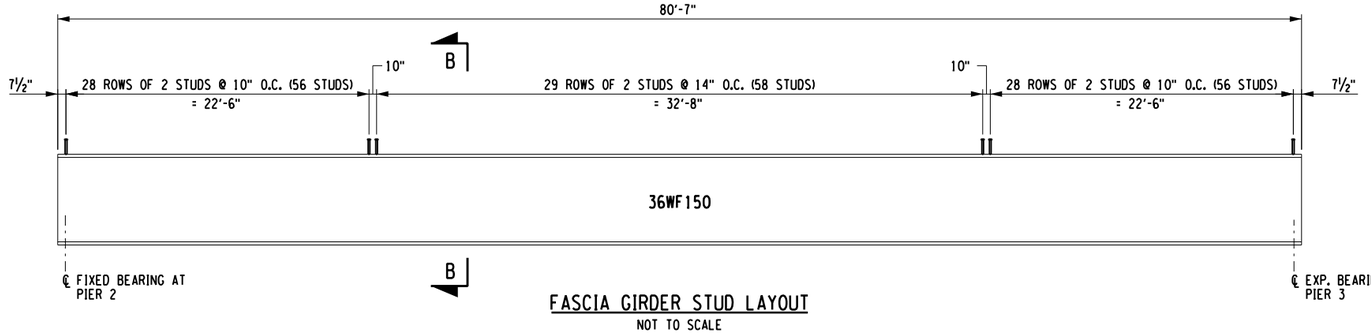
INTERIOR GIRDER SECTION A-A

NOT TO SCALE



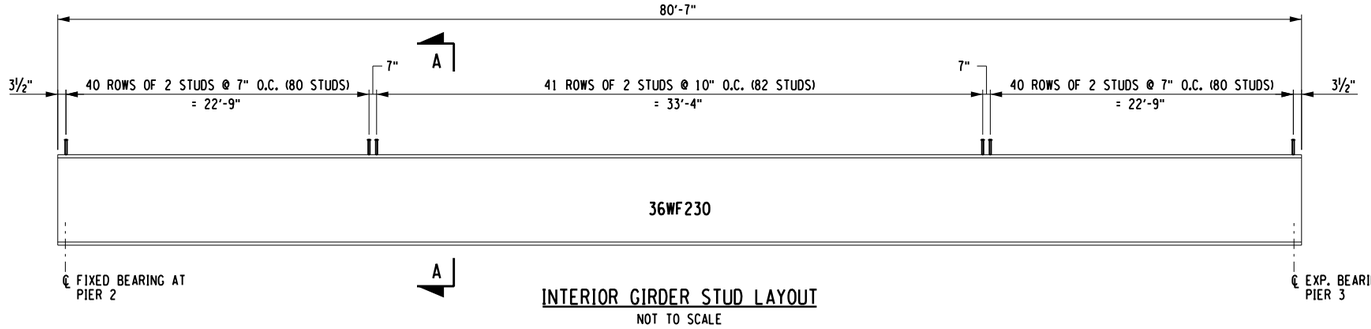
FASCIA GIRDER SECTION B-B

NOT TO SCALE



FASCIA GIRDER STUD LAYOUT

NOT TO SCALE



INTERIOR GIRDER STUD LAYOUT

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DATE/TIME = 2/14/2024 11:49:47 AM
USER = Lindot

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: E. FARRELL
CHECKED BY: N. BARNHARD

ALTERED ON:	AFFIXED ON: 2/14/2024
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS

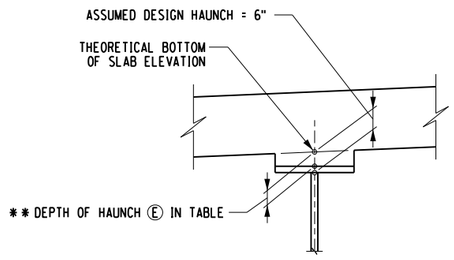
LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
STEEL DETAILS SPAN 3

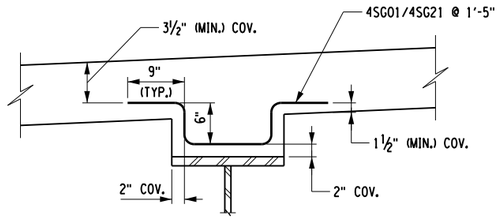
CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-9



GIRDER HAUNCH DETAIL
NOT TO SCALE



REINFORCED GIRDER HAUNCH DETAIL
NOT TO SCALE

HAUNCH TABLE - SPAN 2

			℄ OF BEGIN BRGS.	1/10 L2	2/10 L2	3/10 L2	4/10 L2	5/10 L2	6/10 L2	7/10 L2	8/10 L2	9/10 L2	℄ OF END BRGS.
GIRDER 1	A	REQ'D BOTTOM OF SLAB ELEVATION	526.91	526.96	527.00	527.04	527.08	527.11	527.13	527.15	527.16	527.17	527.17
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.04	0.08	0.11	0.12	0.13	0.12	0.11	0.08	0.04	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 2	A	REQ'D BOTTOM OF SLAB ELEVATION	527.01	527.06	527.11	527.15	527.18	527.21	527.23	527.25	527.27	527.28	527.28
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.04	0.07	0.10	0.11	0.12	0.11	0.10	0.07	0.04	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 3	A	REQ'D BOTTOM OF SLAB ELEVATION	527.11	527.16	527.21	527.25	527.28	527.31	527.34	527.36	527.37	527.38	527.38
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.03	0.06	0.09	0.10	0.11	0.10	0.09	0.07	0.03	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 4	A	REQ'D BOTTOM OF SLAB ELEVATION	527.22	527.27	527.31	527.35	527.39	527.42	527.44	527.46	527.48	527.48	527.49
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.03	0.05	0.07	0.08	0.09	0.08	0.07	0.05	0.03	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 5	A	REQ'D BOTTOM OF SLAB ELEVATION	527.11	527.16	527.21	527.25	527.28	527.31	527.34	527.36	527.37	527.38	527.38
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.04	0.07	0.10	0.11	0.12	0.11	0.10	0.07	0.04	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 6	A	REQ'D BOTTOM OF SLAB ELEVATION	527.01	527.06	527.11	527.15	527.18	527.21	527.23	527.25	527.27	527.28	527.28
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.04	0.07	0.10	0.11	0.12	0.11	0.10	0.07	0.04	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 7	A	REQ'D BOTTOM OF SLAB ELEVATION	526.91	526.96	527.00	527.04	527.08	527.11	527.13	527.15	527.16	527.17	527.17
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.04	0.08	0.10	0.12	0.13	0.12	0.10	0.08	0.04	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											

NOTE:

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

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: E. FARRELL
DESIGNED BY: N. BARNHARD
CHECKED BY: T. LINDO
CHECKED BY: N. BARNHARD
FILE NAME = N:\197\10-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_tbl_haunch_span-2.dgn
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING: HAUNCH TABLE (SPAN 2)

CONTRACT NUMBER: TAS 24-16B
DATE: FEB. 2024
DRAWING NUMBER: ST2-10

HAUNCH TABLE - SPAN 3

			℄ OF BEGIN BRGS.	1/10 L3	2/10 L3	3/10 L3	4/10 L3	5/10 L3	6/10 L3	7/10 L3	8/10 L3	9/10 L3	℄ OF END BRGS.
GIRDER 1	A	REQ'D BOTTOM OF SLAB ELEVATION	527.18	527.17	527.16	527.15	527.12	527.09	527.06	527.02	526.97	526.91	526.85
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.05	0.10	0.14	0.17	0.17	0.17	0.14	0.10	0.05	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 2	A	REQ'D BOTTOM OF SLAB ELEVATION	527.28	527.28	527.27	527.25	527.23	527.20	527.16	527.12	527.07	527.02	526.96
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.05	0.09	0.12	0.14	0.14	0.14	0.12	0.09	0.05	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 3	A	REQ'D BOTTOM OF SLAB ELEVATION	527.38	527.38	527.37	527.35	527.33	527.30	527.27	527.23	527.18	527.12	527.06
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.04	0.08	0.11	0.12	0.13	0.12	0.11	0.08	0.04	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 4	A	REQ'D BOTTOM OF SLAB ELEVATION	527.49	527.48	527.47	527.46	527.44	527.41	527.37	527.33	527.28	527.23	527.17
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.03	0.06	0.09	0.10	0.11	0.10	0.09	0.06	0.03	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 5	A	REQ'D BOTTOM OF SLAB ELEVATION	527.38	527.38	527.37	527.35	527.33	527.30	527.27	527.23	527.18	527.12	527.06
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.05	0.08	0.11	0.13	0.14	0.13	0.12	0.09	0.05	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 6	A	REQ'D BOTTOM OF SLAB ELEVATION	527.28	527.28	527.27	527.25	527.23	527.20	527.16	527.12	527.07	527.02	526.96
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.05	0.08	0.11	0.13	0.14	0.13	0.12	0.09	0.05	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											
GIRDER 7	A	REQ'D BOTTOM OF SLAB ELEVATION	527.18	527.17	527.16	527.15	527.12	527.09	527.06	527.02	526.97	526.91	526.85
	B	TOP OF STEEL ELEVATION (FIELD MEASURE)											
	C	= A - B											
	D	CONCRETE + S.D.L. DEFLECTION (FT)	0.00	0.05	0.10	0.14	0.16	0.17	0.16	0.14	0.10	0.05	0.00
	E	DEPTH OF HAUNCH REQ'D = C + D											

NOTE:

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

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
CHECKED BY: E. FARRELL
FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_tbl_haunch_span-3.dgn
DATE/TIME = 2/14/2024 11:49:53 AM
USER = Lindot

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SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
HAUNCH TABLE (SPAN 3)

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-11

MOMENT AND SHEAR TABLE			CL BEGIN BRGS.	SPAN 2 1/10 L_2 FT	2/10 L_2 FT	3/10 L_2 FT	4/10 L_2 FT	5/10 L_2 FT	6/10 L_2 FT	7/10 L_2 FT	8/10 L_2 FT	9/10 L_2 FT	CL END BRGS.
INTERIOR GIRDER	DEAD LOAD	MOMENT	0.0	266.0	474.0	623.0	712.0	742.0	712.0	623.0	474.0	266.0	0.0
		SHEAR	40.4	32.6	24.6	16.4	8.2	0.0	-8.2	-16.4	-24.6	-32.6	-40.4
	SUPERIMPOSED DEAD LOAD	MOMENT	0.0	43.0	78.0	103.0	116.0	121.0	116.0	103.0	78.0	43.0	0.0
		SHEAR	6.7	5.4	4.0	2.7	1.3	0.0	-1.3	-2.7	-4.0	-5.4	-6.7
	LIVE LOAD (+)	MOMENT	0.0	396.0	708.0	910.0	1032.0	1056.0	1032.0	910.0	708.0	396.0	0.0
		SHEAR	76.8	68.0	58.3	48.9	39.8	31.1	22.7	15.3	8.3	3.2	0.0
	LIVE LOAD (-)	MOMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SHEAR	0.0	-3.2	-6.9	-15.3	-22.7	-31.1	-39.8	-48.9	-58.3	-68.0	-76.8
EXTERIOR GIRDER	DEAD LOAD	MOMENT	0.0	221.0	393.0	515.0	589.0	613.0	589.0	515.0	393.0	221.0	0.0
		SHEAR	33.7	27.0	20.2	13.5	6.8	0.0	-6.8	-13.5	-20.2	-27.0	-33.7
	SUPERIMPOSED DEAD LOAD	MOMENT	0.0	44.0	80.0	105.0	119.0	124.0	119.0	105.0	80.0	44.0	0.0
		SHEAR	6.8	5.5	4.1	2.7	1.4	0.0	-1.4	-2.7	-4.1	-5.5	-6.8
	LIVE LOAD (+)	MOMENT	0.0	383.0	669.0	859.0	974.0	997.0	974.0	859.0	669.0	383.0	0.0
		SHEAR	59.4	52.6	45.1	37.8	30.8	24.0	17.6	11.8	6.4	2.5	0.0
	LIVE LOAD (-)	MOMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SHEAR	0.0	-2.5	-5.3	-11.8	-17.6	-24.0	-30.8	-37.8	-45.1	-52.6	-59.4

LIVE LOAD MOMENTS AND SHEARS INCLUDE IMPACT
MOMENTS ARE EXPRESSED AS KIP-FEET , AND ARE UNFACTORED
SHEARS ARE EXPRESSED AS KIP, AND ARE UNFACTORED

MOMENT AND SHEAR TABLE			CL BEGIN BRGS.	SPAN 3 1/10 L_3 FT	2/10 L_3 FT	3/10 L_3 FT	4/10 L_3 FT	5/10 L_3 FT	6/10 L_3 FT	7/10 L_3 FT	8/10 L_3 FT	9/10 L_3 FT	CL END BRGS.
INTERIOR GIRDER	DEAD LOAD	MOMENT	0.0	342.0	609.0	800.0	914.0	952.0	913.0	798.0	606.0	340.0	0.0
		SHEAR	47.5	38.2	28.8	19.2	9.5	-0.1	-9.7	-19.3	-28.7	-38.0	-47.3
	SUPERIMPOSED DEAD LOAD	MOMENT	0.0	54.0	95.0	125.0	144.0	149.0	144.0	125.0	95.0	54.0	0.0
		SHEAR	7.5	6.0	4.5	3.0	1.5	0.0	-1.5	-3.0	-4.5	-6.0	-7.5
	LIVE LOAD (+)	MOMENT	0.0	446.0	792.0	1024.0	1168.0	1198.0	1168.0	1024.0	792.0	446.0	0.0
		SHEAR	79.2	69.6	59.6	49.9	40.7	31.8	23.2	15.4	8.4	3.2	0.0
	LIVE LOAD (-)	MOMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SHEAR	0.0	-3.2	-7.0	-15.4	-23.2	-31.8	-40.7	-49.9	-59.6	-69.6	-79.2
EXTERIOR GIRDER	DEAD LOAD	MOMENT	0.0	269.0	478.0	627.0	717.0	747.0	717.0	627.0	478.0	269.0	0.0
		SHEAR	37.5	30.0	22.5	15.0	7.5	0.0	-7.5	-15.0	-22.5	-30.0	-37.5
	SUPERIMPOSED DEAD LOAD	MOMENT	0.0	54.0	95.0	125.0	144.0	149.0	144.0	125.0	95.0	54.0	0.0
		SHEAR	7.5	6.0	4.5	3.0	1.5	0.0	-1.5	-3.0	-4.5	-6.0	-7.5
	LIVE LOAD (+)	MOMENT	0.0	430.0	752.0	972.0	1109.0	1138.0	1109.0	972.0	752.0	430.0	0.0
		SHEAR	61.2	53.8	46.1	38.6	31.4	24.6	18.0	11.9	6.5	2.5	0.0
	LIVE LOAD (-)	MOMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SHEAR	0.0	-2.5	-5.5	-11.9	-18.0	-24.6	-31.4	-38.6	-46.1	-53.8	-61.2

LIVE LOAD MOMENTS AND SHEARS INCLUDE IMPACT
MOMENTS ARE EXPRESSED AS KIP-FEET , AND ARE UNFACTORED
SHEARS ARE EXPRESSED AS KIP, AND ARE UNFACTORED

	DESIGN LOAD TABLE - SPAN 2	
	UNIT	LOAD K/ft.
INTERIOR GIRDERS (G2-G6) D.L.	SLAB	0.792
	HAUNCH	0.075
	GIRDER	0.218
	S.I.P. FORMS	0.023
	DIAPHRAGMS	0.018
	UTILITIES	
	TOTAL	1.126
INTERIOR GIRDERS (G2-G6) S.D.L.	RAILING W/ BRUSH CURB	0.077
	CLOSURE POUR	0.045
	FUTURE W.S.	0.111
	TOTAL	0.233

	DESIGN LOAD TABLE - SPAN 3	
	UNIT	LOAD K/ft.
INTERIOR GIRDERS (G2-G6) D.L.	SLAB	0.792
	HAUNCH	0.103
	GIRDER	0.268
	S.I.P. FORMS	0.021
	DIAPHRAGMS	0.020
	UTILITIES	
	TOTAL	1.204
INTERIOR GIRDERS (G2-G6) S.D.L.	RAILING W/ BRUSH CURB	0.077
	CLOSURE POUR	0.045
	FUTURE W.S.	0.111
	TOTAL	0.233

ASSUMED LIVE LOAD = HL-93 FOR LRFD (HS-20 FOR LFD)

	DESIGN LOAD TABLE - SPAN 2	
	UNIT	LOAD K/ft.
EXTERIOR GIRDERS (G1, G7) D.L.	SLAB	0.658
	HAUNCH	0.075
	GIRDER	0.174
	S.I.P. FORMS	0.011
	DIAPHRAGMS	0.009
	UTILITIES	
	TOTAL	0.927
EXTERIOR GIRDERS (G1, G7) S.D.L.	RAILING W/ BRUSH CURB	0.077
	CLOSURE POUR	0.045
	FUTURE W.S.	0.111
	TOTAL	0.233

	DESIGN LOAD TABLE - SPAN 3	
	UNIT	LOAD K/ft.
EXTERIOR GIRDERS (G1, G7) D.L.	SLAB	0.658
	HAUNCH	0.075
	GIRDER	0.186
	S.I.P. FORMS	0.011
	DIAPHRAGMS	0.010
	UTILITIES	
	TOTAL	0.940
EXTERIOR GIRDERS (G1, G7) S.D.L.	RAILING W/ BRUSH CURB	0.077
	CLOSURE POUR	0.045
	FUTURE W.S.	0.111
	TOTAL	0.233

ASSUMED LIVE LOAD = HL-93 FOR LRFD (HS-20 FOR LFD)

DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD
DESIGN SUPERVISOR: C. SICHAK
CHECKED BY: E. FARRELL
FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_tbl_mom.dgn
DATE/TIME = 2/14/2024 11:49:58 AM
USER = Lindot

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · 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 OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
MOMENT AND SHEAR & DESIGN LOAD TABLES

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-12

DECK PLACEMENT NOTES:

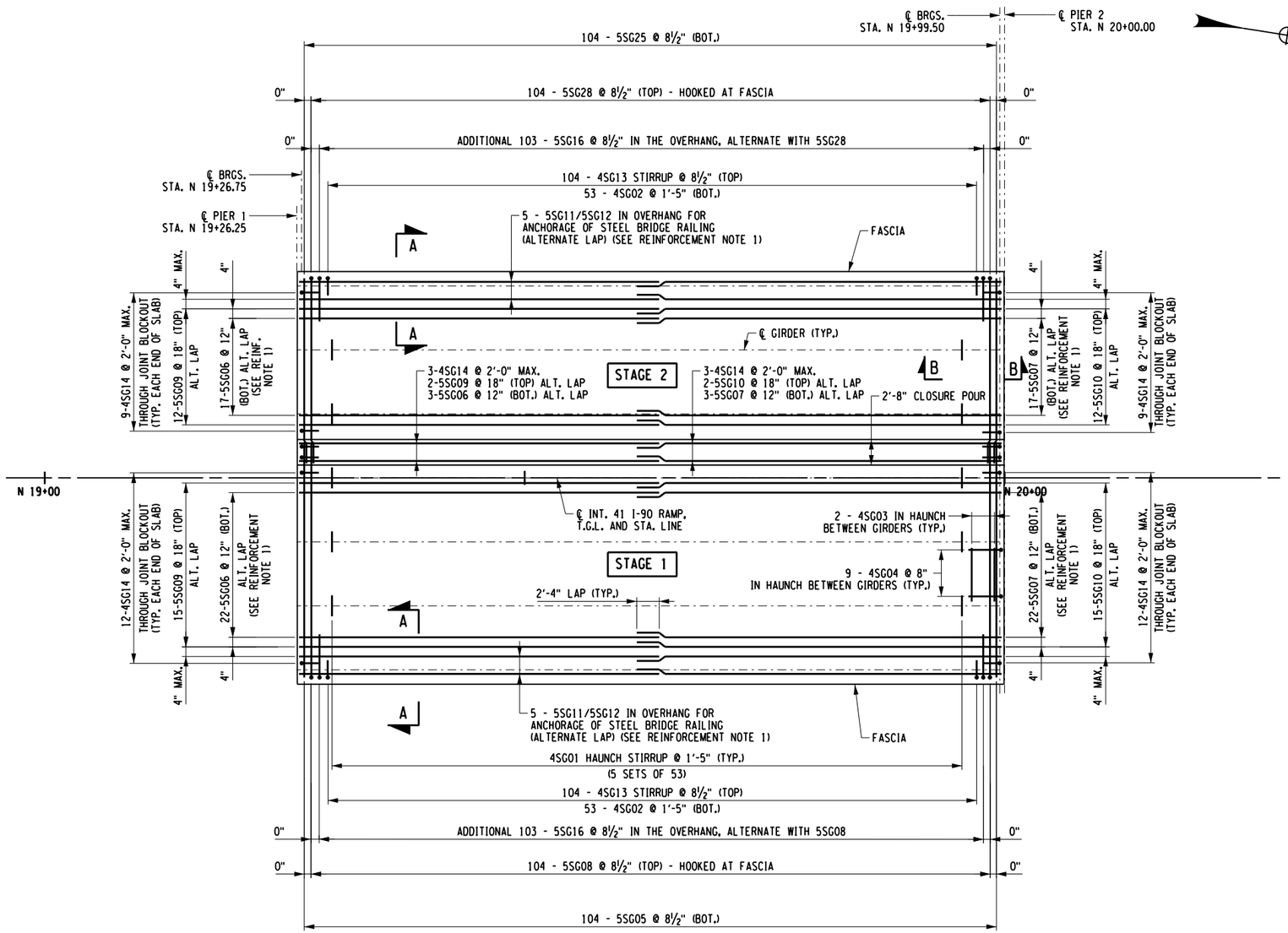
1. CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY DIRECT THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN THE ENGINEER'S OPINION, CONCRETE PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE 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°.
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 OF BY DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL PROVIDE A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT NO COST TO THE AUTHORITY.

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. AN UNUSUALLY LARGE OVERHANG IS PRESENT DURING STAGE 2 STRUCTURAL SLAB PLACEMENT. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT AND BRACING TO PREVENT THE TEMPORARY FASCIA STRINGER FROM TWISTING UNDER THE LOADS OF THE CONCRETE DEAD LOAD AND THE CONSTRUCTION LOADS. THE CONTRACTOR SHALL SUBMIT OVERHANG FORMING DESIGN AND DETAILS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER TO THE DCES FOR APPROVAL.
3. DUE TO THE NATURE OF STAGE CONSTRUCTION AND THE PROBLEMS INHERENT WITH DIFFERENTIAL DEFLECTIONS, THE DIAPHRAGMS IN BAY 3 SHALL BE DISCONNECTED ON ONE SIDE DURING EXISTING DECK REMOVAL AND BOTH DECK PLACEMENTS. THE DIAPHRAGMS SHALL BE RECONNECTED PRIOR TO THE CLOSURE PLACEMENT. COST INCLUDED IN THE UNIT PRICE BID FOR THE STRUCTURAL SLAB ITEM.
4. THE CONTRACTOR SHALL WAIT A MINIMUM OF 72 HOURS FOLLOWING COMPLETION OF THE SECOND STAGE DECK PLACEMENT BEFORE BEGINNING THE CLOSURE PLACEMENT.
5. THE CONTRACTOR SHALL SUPPORT FORM WORK FOR THE STAGE 1 DECK PLACEMENT ONLY BY THE STAGE 1 STRINGERS, NOT BY THE STAGE 2 STRINGER IMMEDIATELY ADJACENT.
6. THE CONTRACTOR SHALL SUPPORT FORM WORK FOR THE STAGE 2 DECK PLACEMENT ONLY BY THE STAGE 2 STRINGERS, NOT BY THE STAGE 1 STRINGER IMMEDIATELY ADJACENT.
7. PRIOR TO PLACING THE STAGE 2 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 1 AND STAGE 2 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 REMAIN IN A CLEAN, SATURATED SURFACE DRY CONDITION UNTIL PLACEMENT OF THE NEW CONCRETE.

REINFORCEMENT NOTES:

1. SEE SECTION A-A ON DWG. NO. ST2-15 AND PROPOSED TRANSVERSE SECTION ON DWG. NO. ST2-7 FOR PLACEMENT OF THESE BARS.
2. SEE DWG. NO. ST2-15 FOR SECTION B-B.



SPAN 2 STRUCTURAL SLAB REINFORCEMENT PLAN

NOT TO SCALE

SUPERSTRUCTURE SLAB TABLE				
LOCATION	SUPERSTRUCTURE SLAB (SY) ITEM 557.0103 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	SIDEWALKS AND SAFETY WALKS (SY) ITEM 557.30	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01
STAGE 1	392.0	35.8	356.2	3351.9
STAGE 2	300.4	35.8	264.7	2527.9
CLOSURE POUR	45.8	0.0	45.8	412.0
TOTAL	738.2	71.6	666.7	6291.8

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AFFIXED ON: 2/14/2024

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STAMP:

SIGNATURE:
STAMP:

STATE OF NEW YORK
CHRISTOPHER GEORGE SCHAK
EXCELSIOR
084524
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
DECK SLAB PLAN SPAN 2

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-13

DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: E. FARRELL
DESIGN SUPERVISOR: C. SICHAK

FILE NAME = N:\19710-03-JointDeckDrawings\Structures\MP 320.41\B7541.cpb.02.slb.sup-1.dgn
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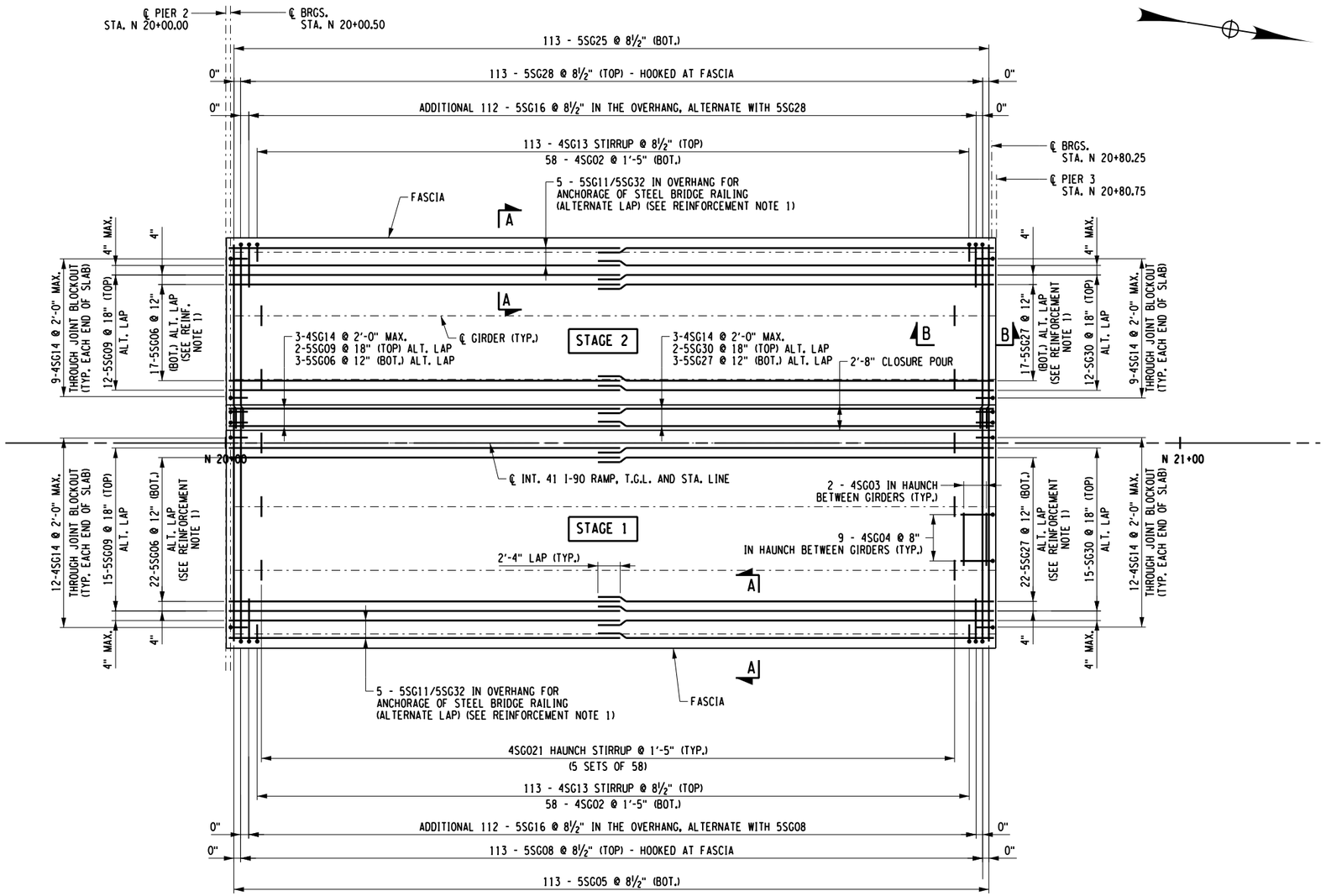
USER = Lindot



SPAN 3 STRUCTURAL SLAB REINFORCEMENT PLAN

NOT TO SCALE

NOTES:

1. SEE DWG. NO. ST2-13 FOR DECK PLACEMENT NOTES, STAGE CONSTRUCTION NOTES, REINFORCEMENT NOTES, AND SUPERSTRUCTURE TABLE.

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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT
AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
DECK SLAB PLAN
SPAN 3

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-14

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: E. FARRELL
CHECKED BY: N. BARNHARD

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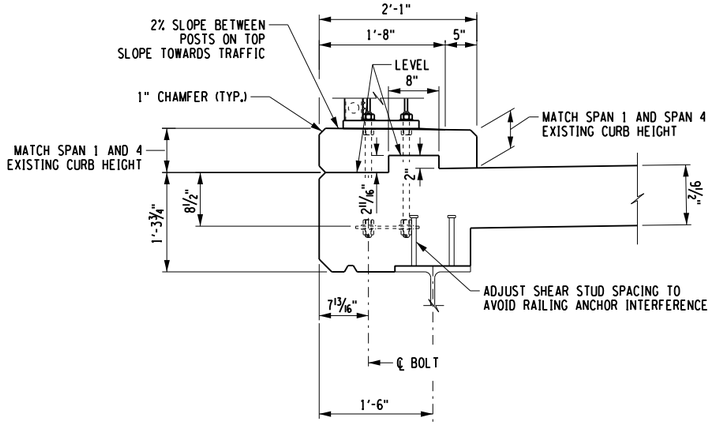
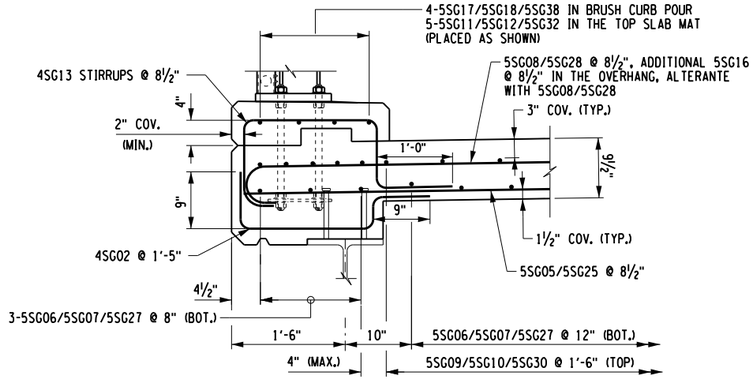
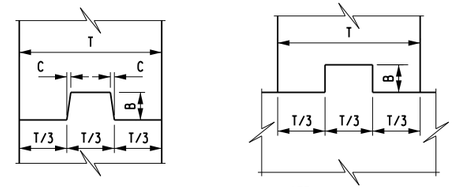
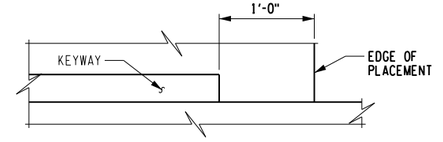


SECTION A-A
NOT TO SCALE



SECTION A-A REINFORCEMENT
NOT TO SCALE



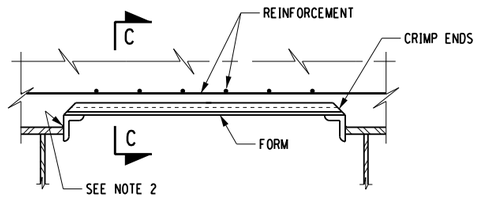


CONSTRUCTION AND CONTRACTION JOINTS		
C	B	T/3
3/16"	1½"	0 TO 6"
3/8"	3½"	6" TO 10"
3/4"	5½"	10" AND OVER

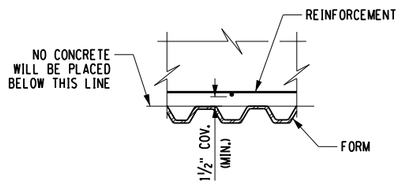
EXPANSION JOINTS		
C	B	T/3
3/8"	3½"	0 TO 10"
3/4"	5½"	10" AND OVER

KEYWAY DETAILS
NOT TO SCALE

SECTION B-B
NOT TO SCALE



PERMANENT CORRUGATED METAL FORM DETAIL



SECTION C-C

NOTES;

1. SEE DWG. NO. ST2-13 & ST2-14 FOR LOCATION OF SECTION A-A AND SECTION B-B.

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.

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	DECK SLAB DETAILS
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-15

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: E. FARRELL
CHECKED BY: N. BARNHARD

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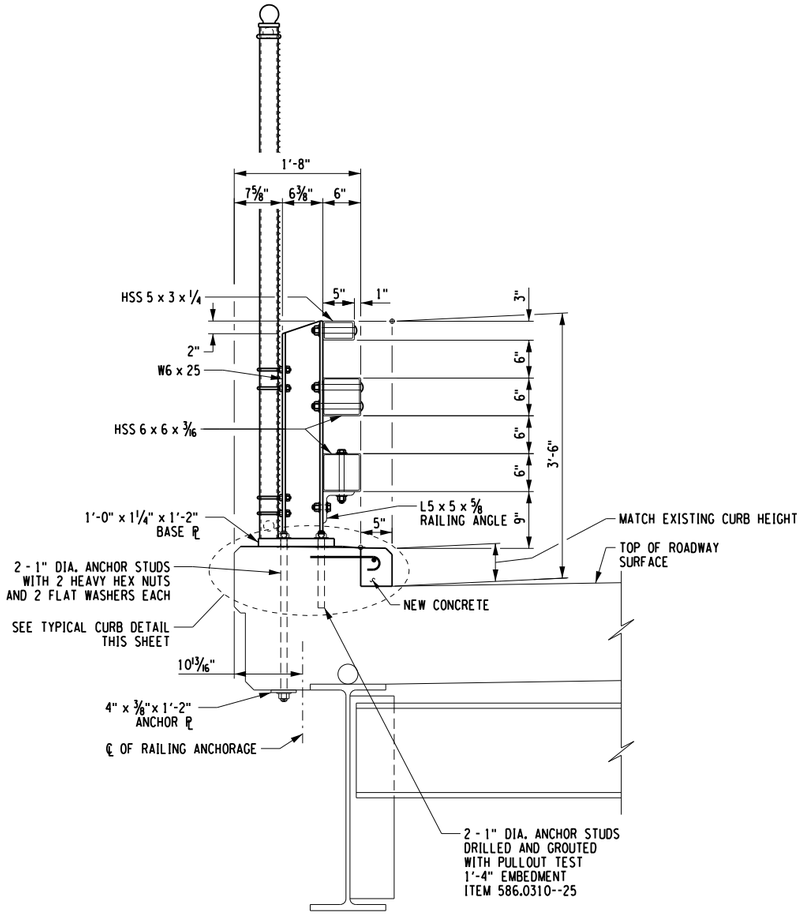
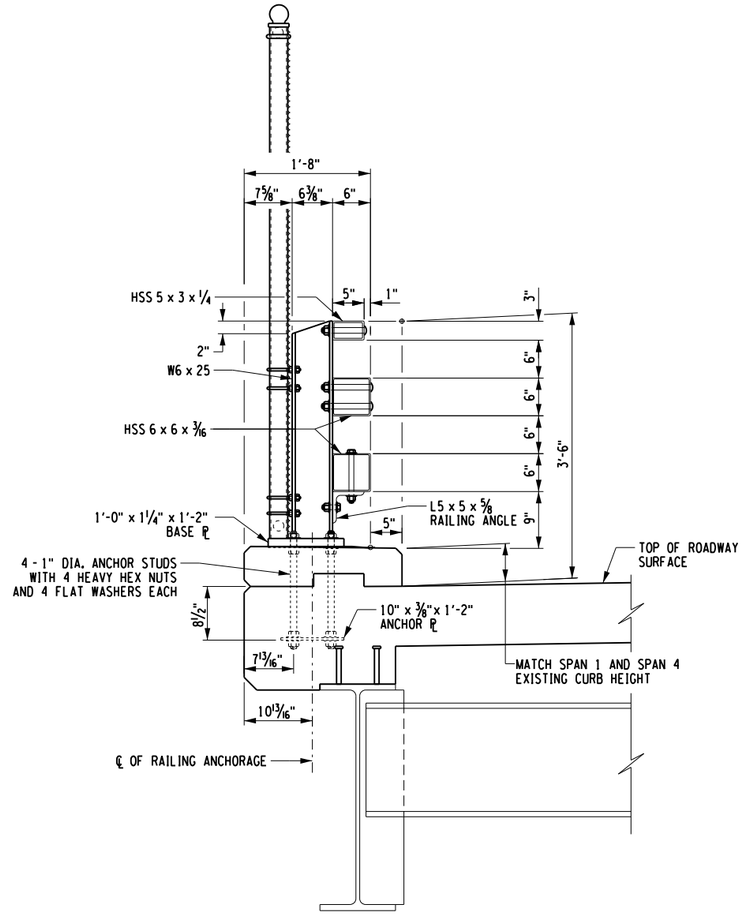


SPAN 1 AND SPAN 4

DETAIL 'A'

SCALE: ½" = 1'-0"



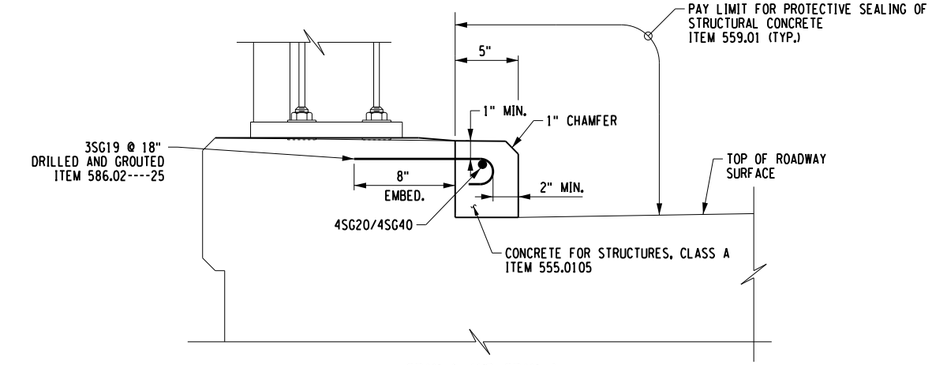
SPAN 2 AND SPAN 3

DETAIL 'B'

SCALE: ½" = 1'-0"

NOTES:

1. SEE DWG. NO. ST2-6 FOR LOCATION OF DETAIL 'A' AND DETAIL 'B'.



SPAN 1 AND SPAN 4

TYPICAL CURB DETAIL

NOT TO SCALE

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SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER GEORGE SICHAK
EXCELSIOR
084524
LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

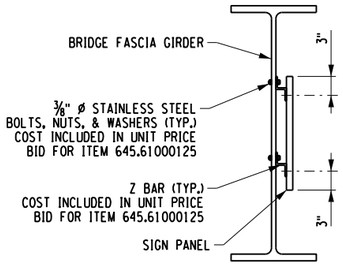
NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: OVERHANG RAILING DETAILS	DRAWING NUMBER: ST2-16

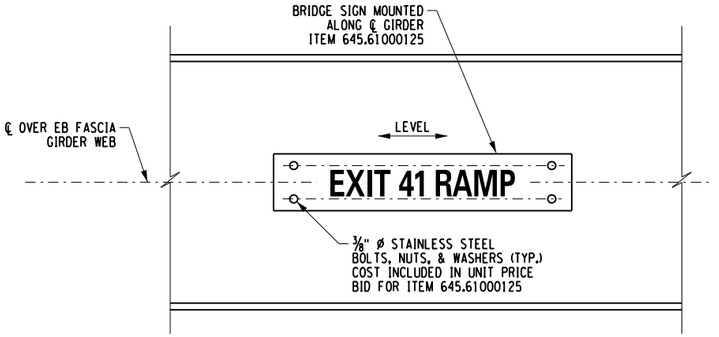
DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_02_sec_dtl.dgn
DATE/TIME = 2/14/2024 11:50:07 AM
USER = Lindot



MOUNTING DETAIL ON
BRIDGE FASCIA GIRDER

NOT TO SCALE



BRIDGE IDENTIFICATION
SIGN MOUNTING DETAIL

NOT TO SCALE

NOTES:

1. REFER TO DWG. NO. ST2-2 FOR THE LOCATION OF THE BRIDGE IDENTIFICATION SIGN INSTALLATION.

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	MISCELLANEOUS DETAILS
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-17

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_02_dtl_mis.dgn
DATE/TIME = 2/14/2024 11:50:08 AM
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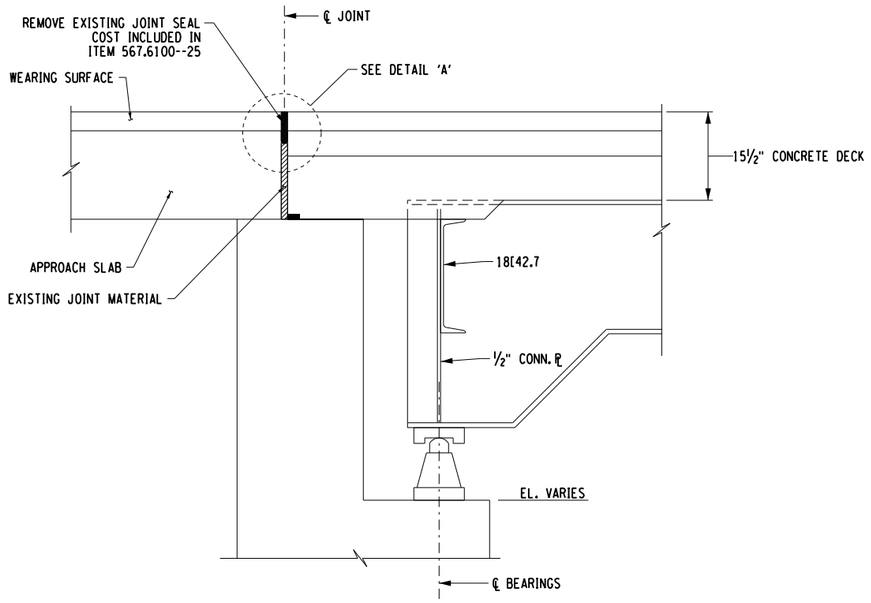
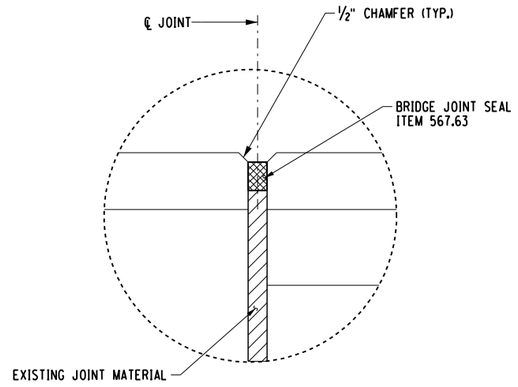


EXISTING ABUTMENT SECTION

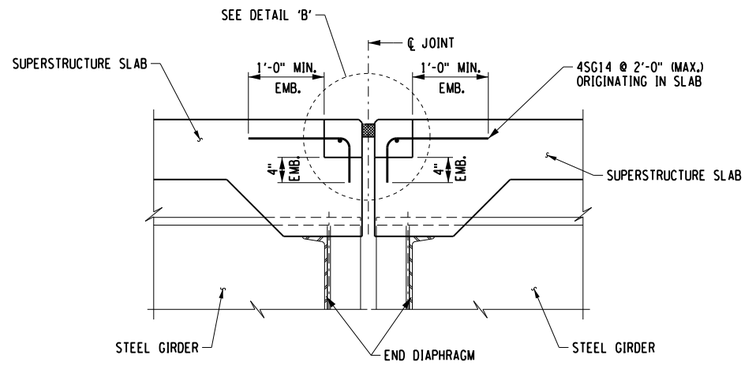
(BEGIN ABUTMENT SHOWN, END ABUTMENT SIMILAR)

SCALE: ½" = 1'-0"



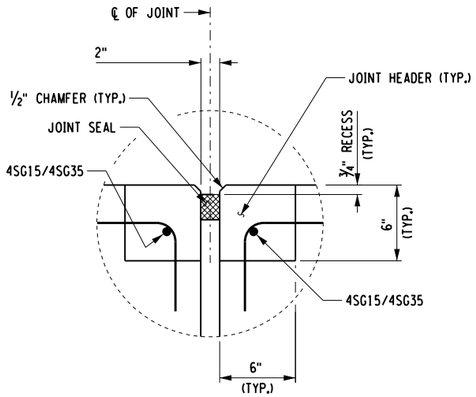
PROPOSED DETAIL "A"

NOT TO SCALE



JOINT AT PIER 2

SCALE: ½" = 1'-0"



DETAIL "B"

NOT TO SCALE

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	JOINT DETAILS - 1
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-18

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_02_dtl_jnt-1.dgn
DATE/TIME = 2/14/2024 11:50:09 AM
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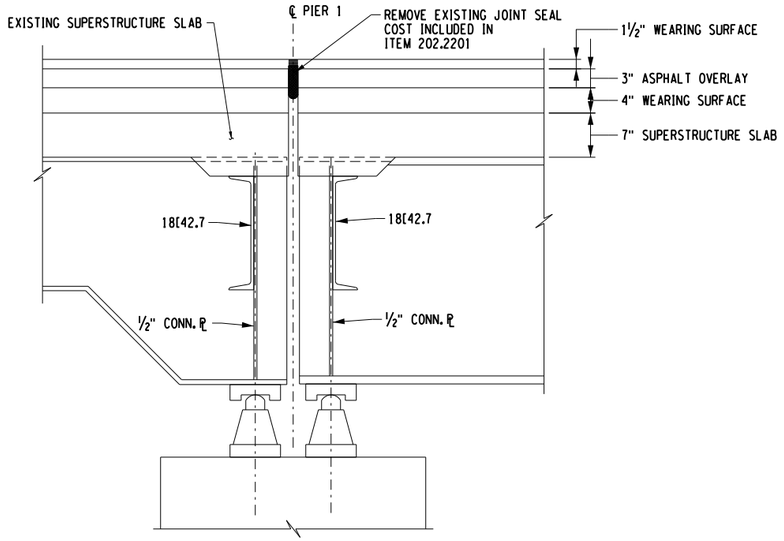
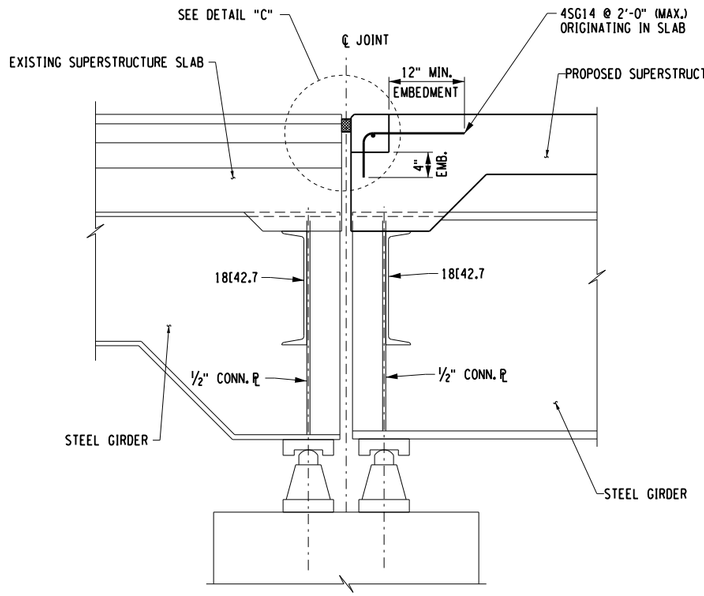


EXISTING PIER SECTION

(PIER 1 SHOWN, PIER 3 OPPOSITE HAND)

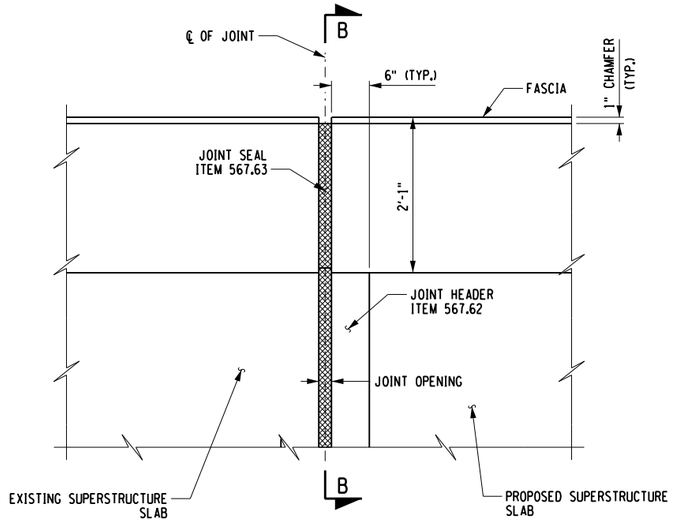
SCALE: ½" = 1'-0"



PROPOSED PIER SECTION

(PIER 1 SHOWN, PIER 3 OPPOSITE HAND)

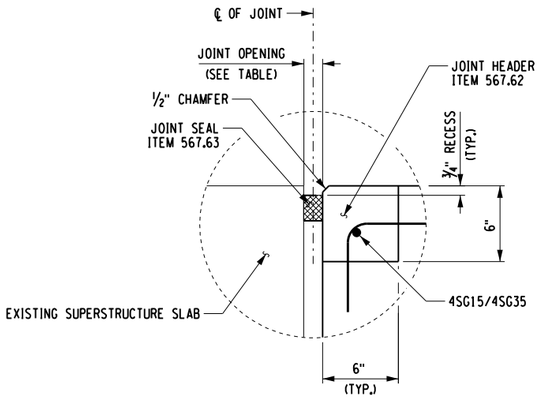
SCALE: ½" = 1'-0"



PARTIAL PLAN

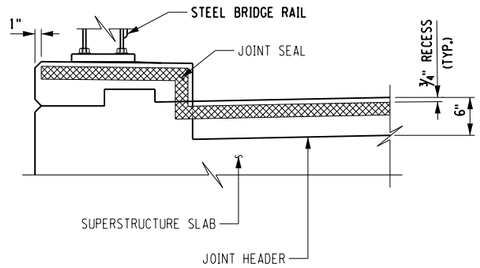
(PIER 1 SHOWN, PIER 3 OPPOSITE HAND)

SCALE: ½" = 1'-0"



DETAIL "C"

NOT TO SCALE



SECTION B-B

NOT TO SCALE

NOTES:

1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLE PROVIDED ON THIS DRAWING.
2. THE CONTRACTOR SHALL SUPPLY A JOINT SEAL WITH AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS "MIN. SEAL WIDTH" IN THE TABLE ABOVE. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURER'S COMPRESSION LIMITS AT THE "MINIMUM OPENING" NOTED IN THE TABLE.
3. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.
4. ALL HEADER REINFORCEMENT SHALL HAVE A 2" MINIMUM COVER.

PIER 1

EXPANSION JOINT OPENING TABLE

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

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

PIER 3

EXPANSION JOINT OPENING TABLE

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

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

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SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING: JOINT DETAILS - 2

CONTRACT NUMBER: TAS 24-16B
DATE: FEB. 2024
DRAWING NUMBER: ST2-19

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.4\BT541_cpb_02_dtl_jnt-2.dgn
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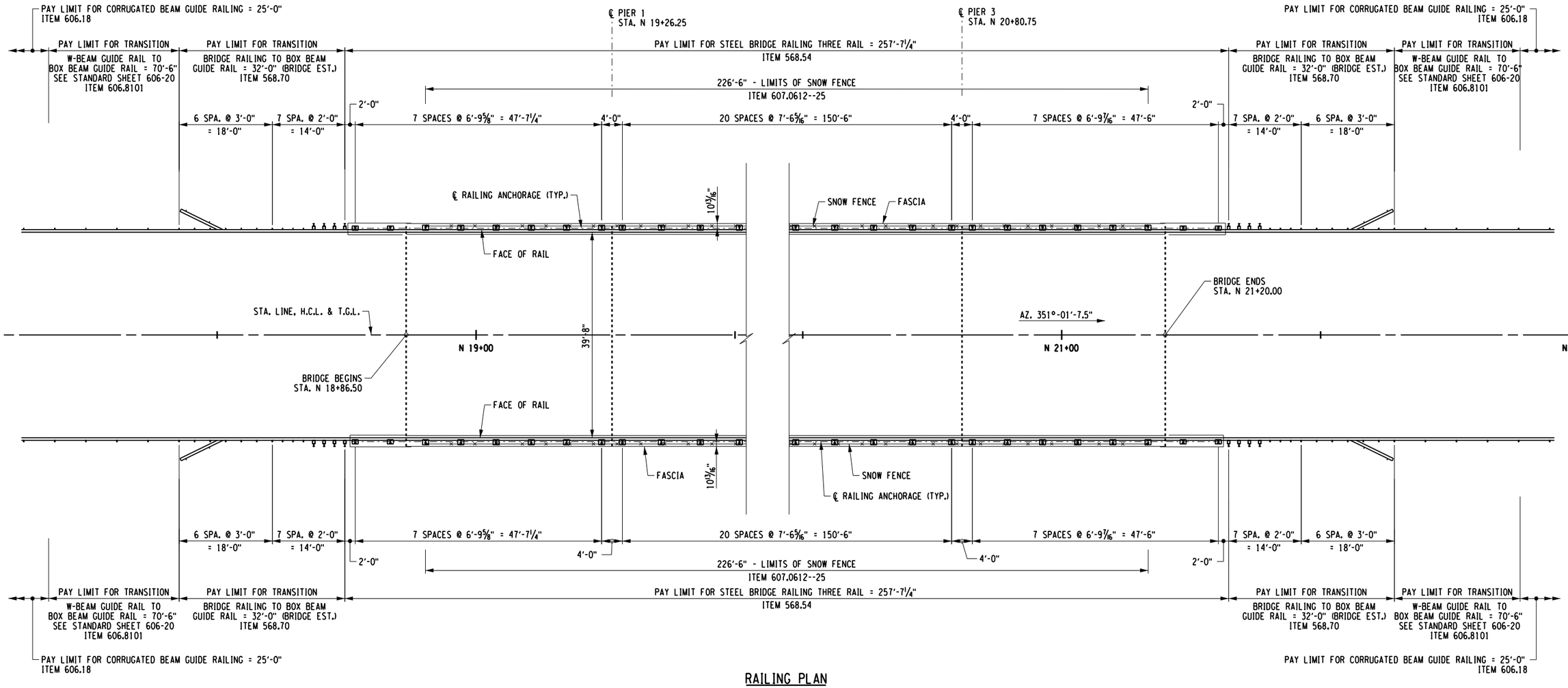
USER = Lindot



RAILING PLAN
NOT TO SCALE

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\BT541_cpb_02_rlg_plan.dgn
DATE/TIME = 2/14/2024 11:50:13 AM
USER = Lindot

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS

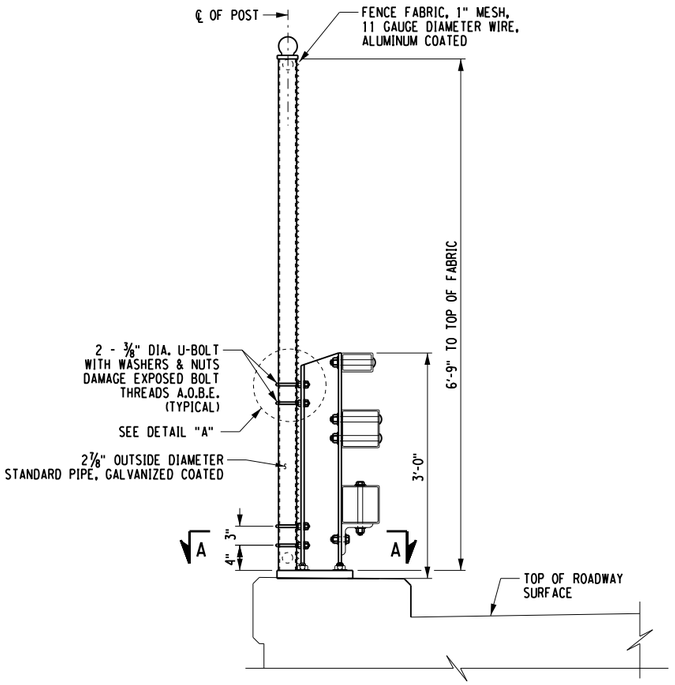
LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

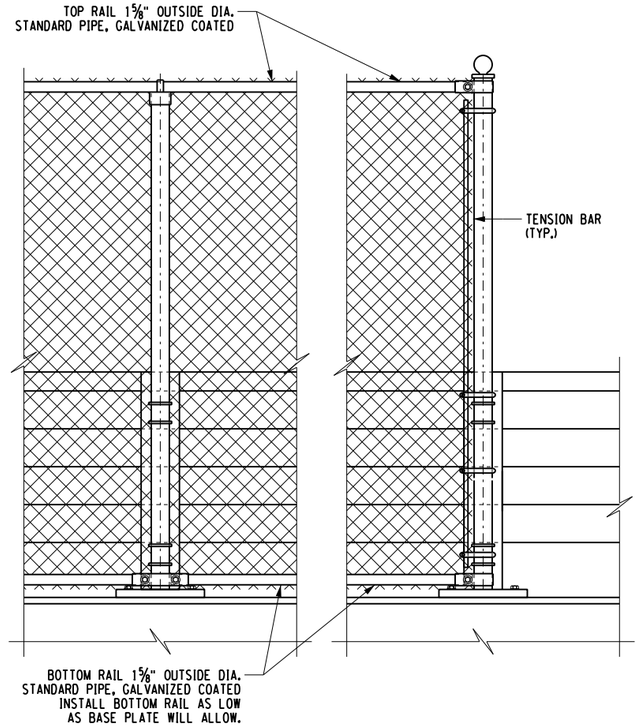
TITLE OF DRAWING
RAILING LAYOUT PLAN

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

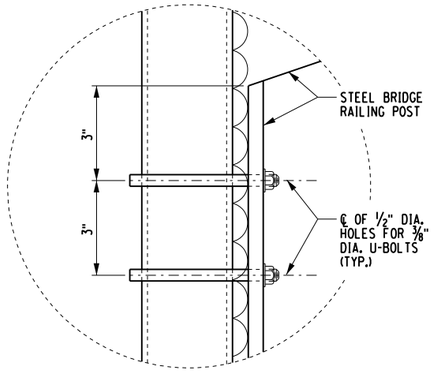
DRAWING NUMBER: ST2-20



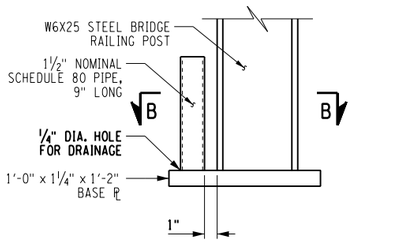


SNOW FENCE ATTACHMENT TO THREE-RAIL RAILING

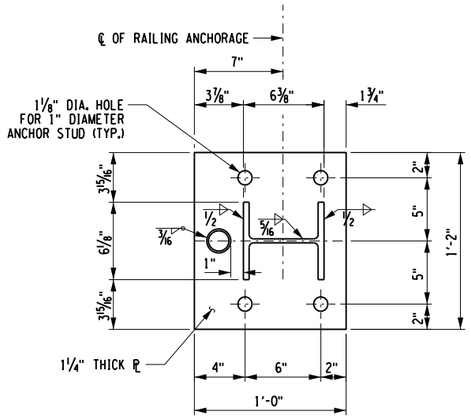
NOT TO SCALE



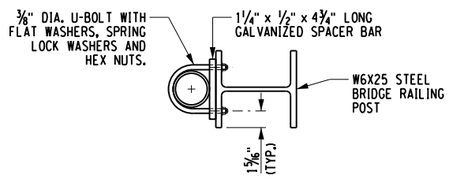
DETAIL "A"



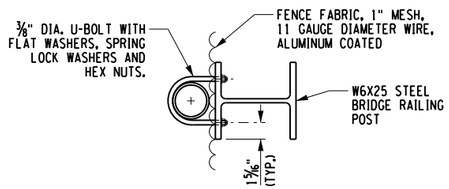
MODIFIED BASE PLATE ELEVATION



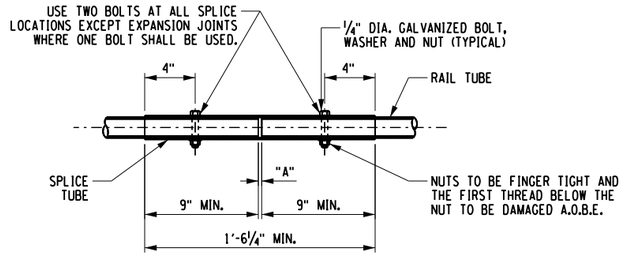
SECTION B-B
MODIFIED BASE PLATE



SECTION A-A (END POSTS)



SECTION A-A (INTERIOR POSTS)



NOTE:
"A" = 1/4" EXCEPT FOR EXPANSION JOINT LOCATIONS WHERE THIS DIMENSION SHALL BE SET EQUAL TO THE BRIDGE DECK JOINT OPENING PLUS ¼" MIN.

TYPICAL RAIL SPLICE DETAIL

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	RAILING DETAILS SNOW FENCE
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-21

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-Joint0eck\Drawings\Structures\MP 320.41\B7541_cpb_02_dtl_rlg-1.dgn
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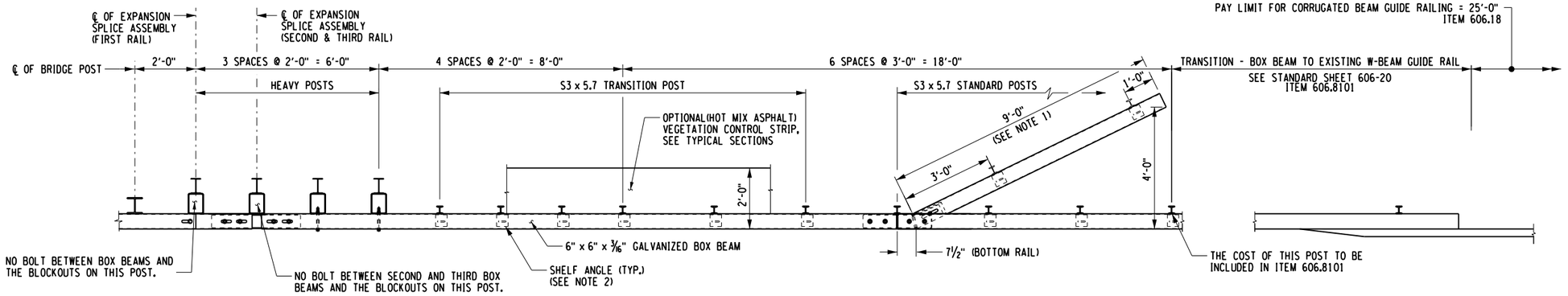
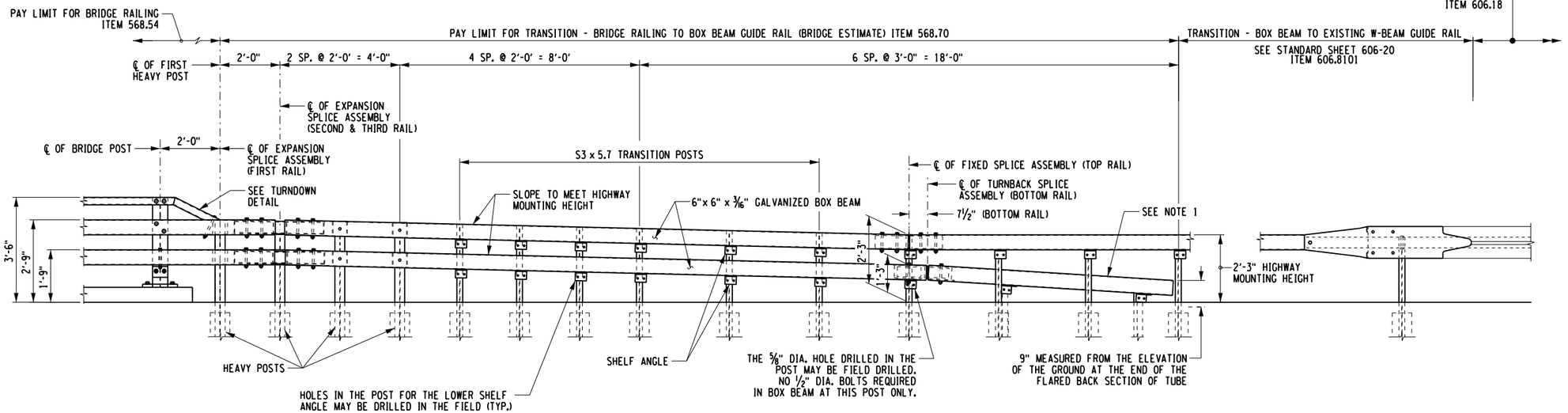


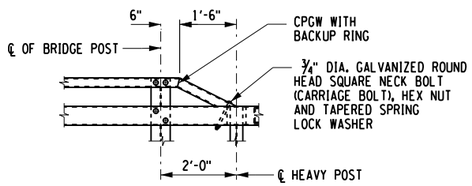
PLAN



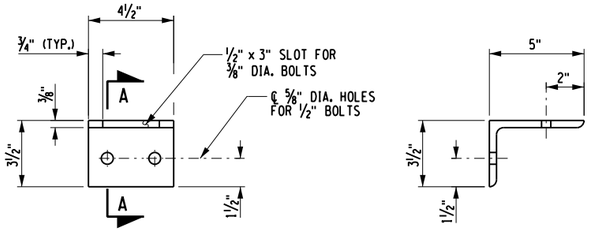
ELEVATION

NOTES:

1. THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE TURNBACK IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.



TURNDOWN DETAIL



ELEVATION SECTION A-A

SHELF ANGLE DETAILS

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SCHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	RAILING DETAILS (1 OF 3)
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-22

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-Joint0eck\Drawings\Structures\MP 320.41\B7541-cpb.02.dtl.rlg-2.dgn
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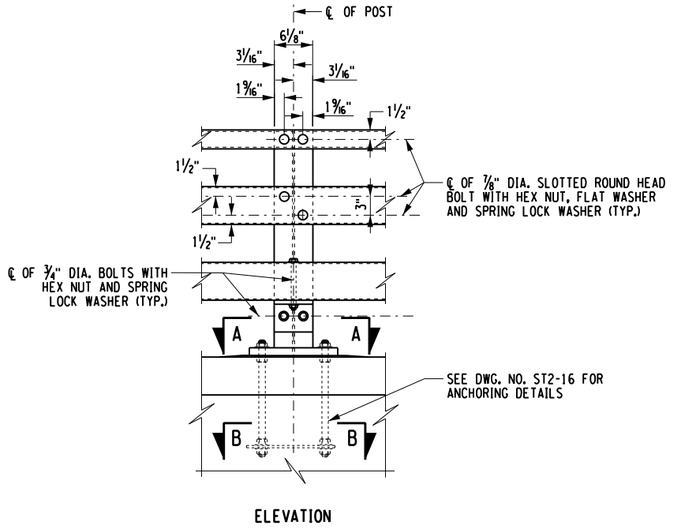
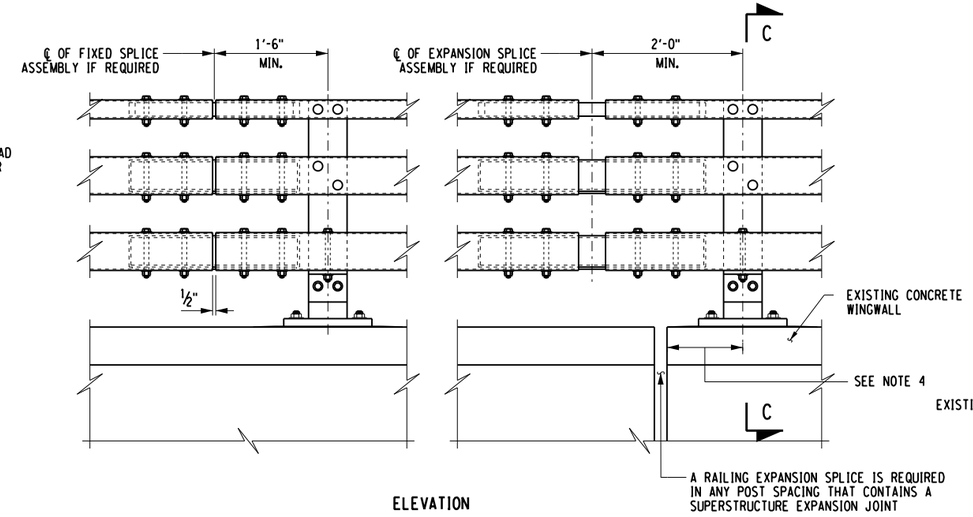
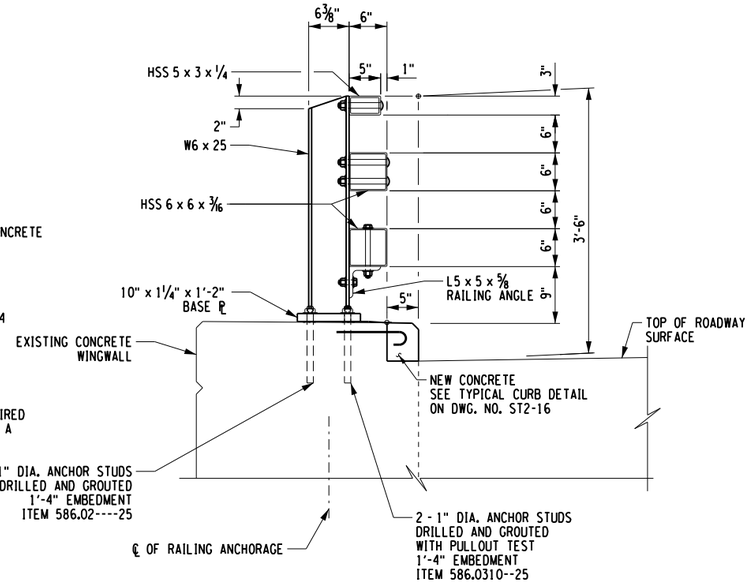
USER = Lindot



ELEVATION



ELEVATION

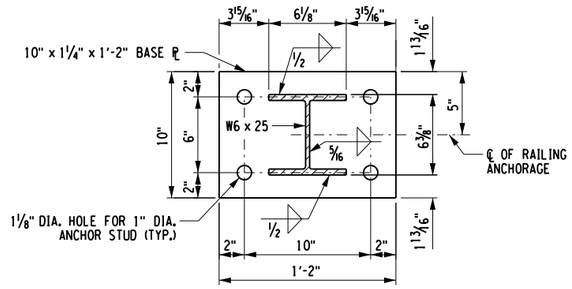


SECTION C-C

(RAILING ANCHORAGE IN EXISTING CONCRETE WINGWALL)
SCALE: ½" = 1'-0"

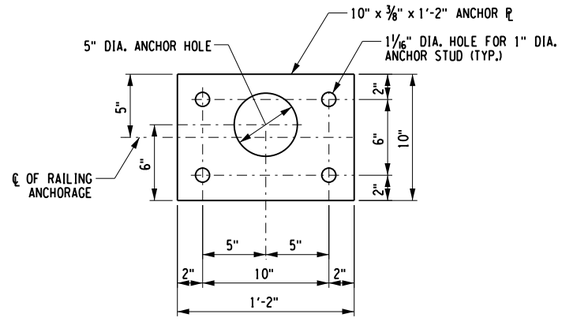
STEEL BRIDGE RAILING (THREE-RAIL)

NOT TO SCALE
SNOW FENCE NOT SHOWN FOR CLARITY

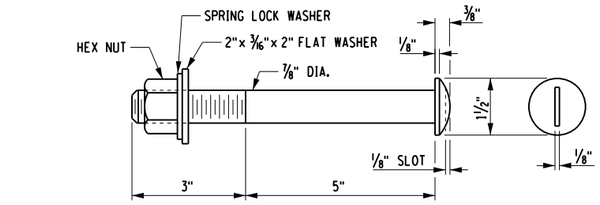


SECTION A-A

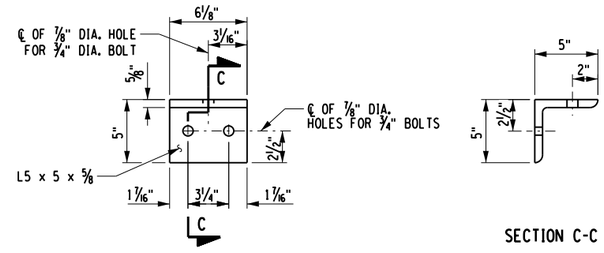
(STANDARD RAILING BASE PLATE FOR USE WHERE SNOW FENCE IS NOT USED)



SECTION B-B



SLOTTED ROUND HEAD BOLT



RAILING ANGLE DETAILS

NOTES:

1. ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.
2. PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 1/16".
3. BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 100 ft-lb.).
4. THE MINIMUM DISTANCE FROM THE POST TO AN EXPANSION JOINT SHALL BE DETERMINED BY THE MINIMUM EDGE DISTANCE OF 5" FROM ANY ANCHOR STUD TO THE END OF THE SLAB, OR TO THE EXPANSION JOINT RECESS POUR, IF ONE IS USED. POST SPACING SHALL BE ADJUSTED ACCORDINGLY.
5. FOR SPLICE DETAILS, SEE DWG. NO. ST2-24.

ALTERED ON:	AFFIXED ON: 2/14/2024
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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT	SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS
LOCATION OF PROJECT	SYRACUSE DIVISION BIN 5510440 MP 320.41
TITLE OF DRAWING	RAILING DETAILS (2 OF 3)
CONTRACT NUMBER:	TAS 24-16B
DATE:	FEB. 2024
DRAWING NUMBER:	ST2-23

DESIGN SUPERVISOR: C. SICHAK
DRAFTED BY: T. LINDO
DESIGNED BY: N. BARNHARD
CHECKED BY: K. WOJTKOWSKI
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.4\BT541.cpb.02.dtl.rlg-3.dgn
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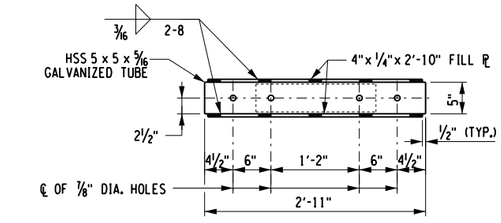
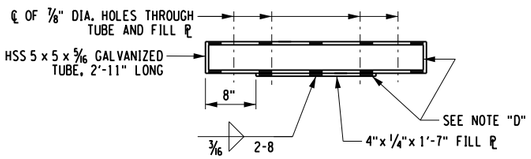
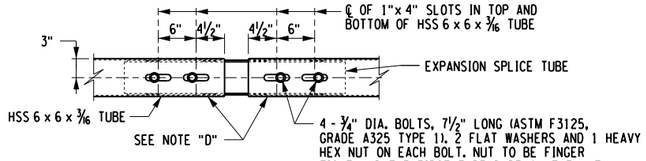


PLAN



ELEVATION

EXPANSION SPLICE TUBE



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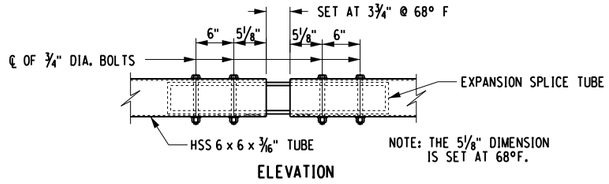
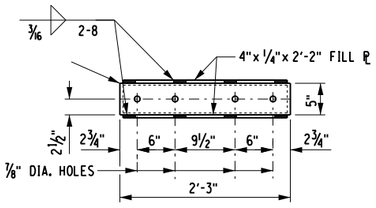


ELEVATION

EXPANSION SPLICE ASSEMBLY



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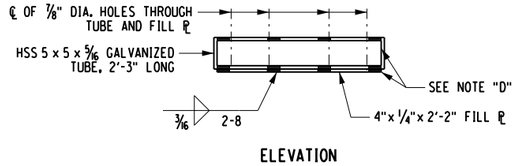
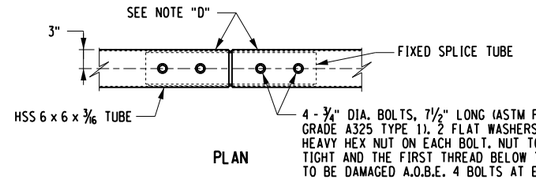


ELEVATION

FIXED SPLICE TUBE



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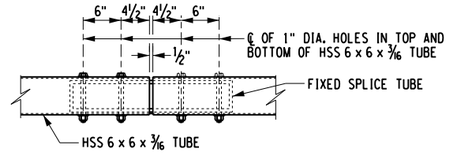

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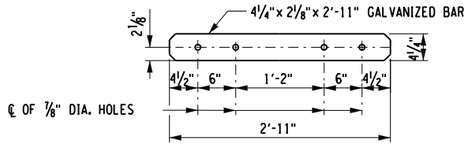
FIXED SPLICE ASSEMBLY



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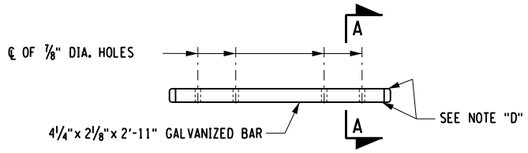
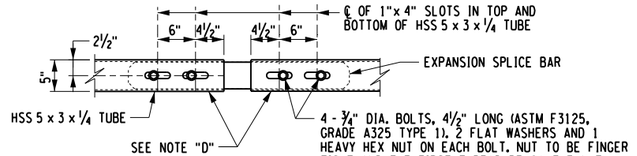


ELEVATION

EXPANSION SPLICE BAR



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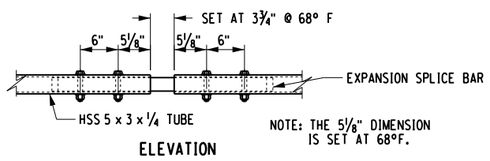

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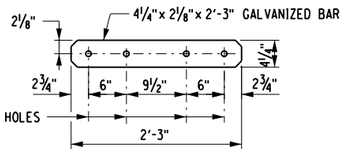

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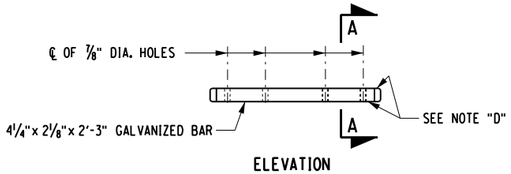

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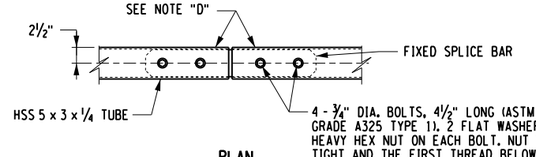

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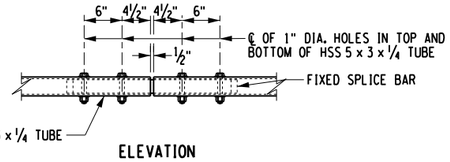

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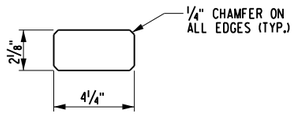
FIXED SPLICE ASSEMBLY



SECTION A-A

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.

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: RAILING DETAILS (3 OF 3)	DRAWING NUMBER: ST2-24

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: K. WOJTKOWSKI
CHECKED BY: T. LINDO
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_02_dtl_rlg-4.dgn
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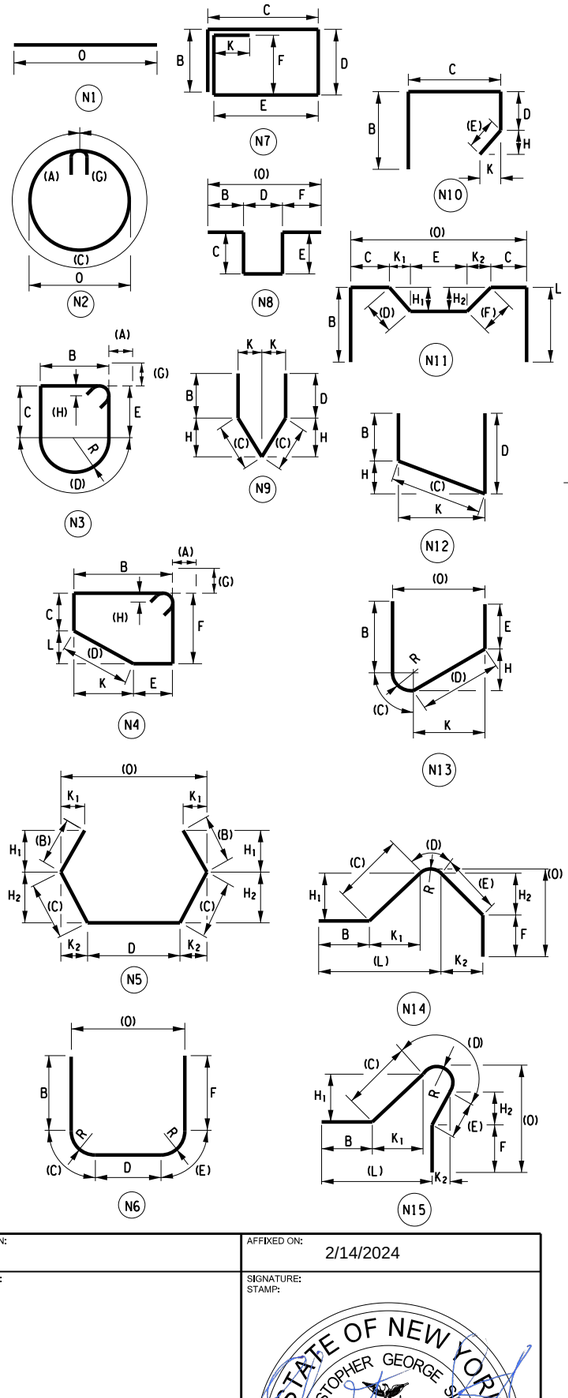

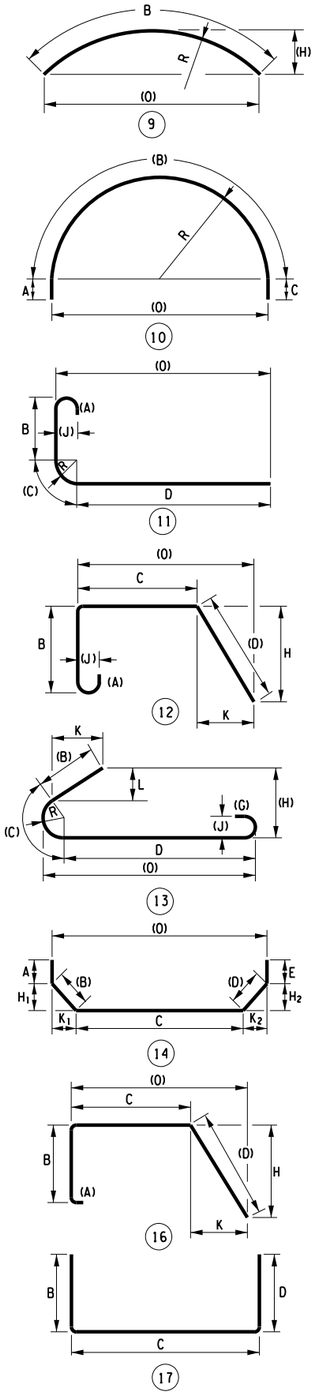

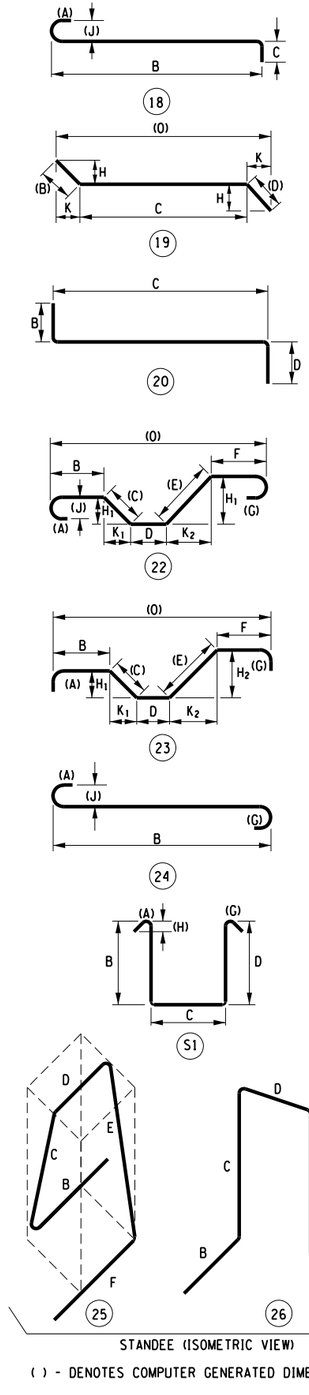

STANDEE (ISOMETRIC VIEW)

( ) - DENOTES COMPUTER GENERATED DIMENSION

ALTERED ON:	AFFIXED ON: 2/14/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
CHRISTOPHER GEORGE SICHAK
EXCELSIOR
084524
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DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT: SPAN 2 & 3 DECK REPLACEMENT AND JOINT REPLACEMENTS	CONTRACT NUMBER: TAS 24-16B
LOCATION OF PROJECT: SYRACUSE DIVISION BIN 5510440 MP 320.41	DATE: FEB. 2024
TITLE OF DRAWING: STANDARD BARBEND DETAILS	DRAWING NUMBER: ST2-25

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
DRAFTED BY: T. LINDO
CHECKED BY: M. YAEGER
CHECKED BY: N. BARNHARD

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MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
MP 320.41 SUPERSTRUCTURE SLAB - STAGE 1																			
PLACEMENT 1 - SPAN 2 DECK SLAB (STAGE 1)																			
4SG01	159	3' - 2"	N8	336.3		0' - 9"	0' - 6"	0' - 8"	0' - 6"	0' - 9"								2' - 2"	
4SG02	53	3' - 8"	N8	129.8		0' - 9"	0' - 6"	1' - 8"	0' - 9"	0' - 0"								2' - 5"	
4SG03	12	6' - 4"	N1	50.8														6' - 4"	
4SG04	56	2' - 6 1/4"	N12	94.5		0' - 10 1/2"	1' - 7 3/4"	0' - 0"				1' - 2"			1' - 2"				
5SG05	104	25' - 2"	N1	2729.9														25' - 2"	
5SG06	22	60' - 0"	N1	1376.8														60' - 0"	
5SG07	22	15' - 7 1/4"	N1	358.1														15' - 7 1/4"	
5SG08	104	25' - 9"	1	2793.2	0' - 7"	25' - 2"					0' - 0"			0' - 5"					
5SG09	15	60' - 0"	N1	938.7														60' - 0"	
5SG10	15	14' - 7 1/4"	N1	228.5														14' - 7 1/4"	
5SG11	5	60' - 0"	N1	312.9														60' - 0"	
5SG12	5	15' - 7 1/4"	N1	81.4														15' - 7 1/4"	
4SG13	104	5' - 3 1/2"	S5	367.6	0' - 6"	1' - 0 1/2"	1' - 9"	1' - 0"			1' - 0"								
4SG14	24	1' - 11"	17	30.7		0' - 7"	1' - 4"	0' - 0"											
4SG15	2	23' - 1"	N1	30.8														23' - 1"	
5SG16	103	5' - 1"	1	546.1	0' - 7"	4' - 6"					0' - 0"			0' - 5"					
SUBTOTAL GALVANIZED BARS				10406.0	LBS THIS POUR														
PLACEMENT 2 - SPAN 2 BRUSH CURB (STAGE 1)																			
5SG17	4	60' - 0"	N1	250.3														60' - 0"	
5SG18	4	15' - 7 1/4"	N1	65.1														15' - 7 1/4"	
SUBTOTAL GALVANIZED BARS				315.4	LBS THIS POUR														
PLACEMENT 3 - SPAN 3 DECK SLAB (STAGE 1)																			
4SG21	174	3' - 6 1/4"	N8	409.2		0' - 9"	0' - 6"	1' - 0 1/4"	0' - 6"	0' - 9"								2' - 6 1/4"	
4SG02	58	3' - 8"	N8	142.1		0' - 9"	0' - 6"	1' - 8"	0' - 9"	0' - 0"								2' - 5"	
4SG03	12	6' - 4"	N1	50.8														6' - 4"	
4SG04	56	2' - 6 1/4"	N12	94.5		0' - 10 1/2"	1' - 7 3/4"	0' - 0"				1' - 2"			1' - 2"				
5SG05	113	25' - 2"	N1	2966.1														25' - 2"	
5SG06	22	60' - 0"	N1	1376.8														60' - 0"	
5SG27	22	22' - 7 1/4"	N1	518.7														22' - 7 1/4"	
5SG08	113	25' - 9"	1	3034.9	0' - 7"	25' - 2"					0' - 0"			0' - 5"					
5SG09	15	60' - 0"	N1	938.7														60' - 0"	
5SG30	15	21' - 7 1/4"	N1	338.0														21' - 7 1/4"	
5SG11	5	60' - 0"	N1	312.9														60' - 0"	
5SG32	5	22' - 7 1/4"	N1	117.9														22' - 7 1/4"	
4SG13	113	5' - 3 1/2"	S5	399.4	0' - 6"	1' - 0 1/2"	1' - 9"	1' - 0"			1' - 0"								
4SG14	24	1' - 11"	17	30.7		0' - 7"	1' - 4"	0' - 0"											
4SG15	2	23' - 1"	N1	30.8														23' - 1"	
5SG16	112	5' - 1"	1	593.8	0' - 7"	4' - 6"					0' - 0"			0' - 5"					
SUBTOTAL GALVANIZED BARS				11355.2	LBS THIS POUR														
PLACEMENT 4 - SPAN 3 BRUSH CURB (STAGE 1)																			
5SG17	4	60' - 0"	N1	250.3														60' - 0"	
5SG38	4	22' - 7 1/4"	N1	94.3														22' - 7 1/4"	
SUBTOTAL GALVANIZED BARS				344.6	LBS THIS POUR														

NOTES:

1. REINFORCEMENT IN THE BRUSH CURBS INCLUDED IN ITEM 557.30.
   ALL OTHER REINFORCEMENT INCLUDED IN ITEM 557.4103.

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SIGNATURE: STAMP:	SIGNATURE: STAMP: STATE OF NEW YORK · CHRISTOPHER GEORGE SICHAK · EXCELSIOR · 084524 · LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT
AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
BAR LIST
(1 OF 3)

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-26

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: M. YAEGER
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

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PLACEMENT 5 - SPAN 2 DECK SLAB (STAGE 2)																			
4SG01	106	3' - 2"	N8	224.2		0' - 9"	0' - 6"	0' - 8"	0' - 6"	0' - 9"								2' - 2"	
4SG02	53	3' - 8"	N8	129.8		0' - 9"	0' - 6"	1' - 8"	0' - 9"	0' - 0"								2' - 5"	
4SG03	12	6' - 4"	N1	50.8														6' - 4"	
4SG04	44	2' - 6 1/4"	N12	74.2		0' - 10 1/2"	1' - 7 3/4"	0' - 0"				1' - 2"			1' - 2"				
5SG25	104	19' - 10"	N1	2151.4														19' - 10"	
5SG06	17	60' - 0"	N1	1063.9														60' - 0"	
5SG07	17	15' - 7 1/4"	N1	276.7														15' - 7 1/4"	
5SG28	104	20' - 5"	1	2214.6	0' - 7"	19' - 10"					0' - 0"			0' - 5"					
5SG09	12	60' - 0"	N1	751.0														60' - 0"	
5SG10	12	14' - 7 1/4"	N1	182.8														14' - 7 1/4"	
5SG11	5	60' - 0"	N1	312.9														60' - 0"	
5SG12	5	15' - 7 1/4"	N1	81.4														15' - 7 1/4"	
4SG13	104	5' - 3 1/2"	S5	367.6	0' - 6"	1' - 0 1/2"	1' - 9"	1' - 0"			1' - 0"								
4SG14	18	1' - 11"	17	23.0		0' - 7"	1' - 4"	0' - 0"											
4SG35	2	17' - 9"	N1	23.7														17' - 9"	
5SG16	103	5' - 1"	1	546.1	0' - 7"	4' - 6"					0' - 0"			0' - 5"					
SUBTOTAL GALVANIZED BARS				8474.1	LBS THIS POUR														
PLACEMENT 6 - SPAN 2 BRUSH CURB (STAGE 2)																			
5SG17	4	60' - 0"	N1	250.3														60' - 0"	
5SG18	4	15' - 7 1/4"	N1	65.1														15' - 7 1/4"	
SUBTOTAL GALVANIZED BARS				315.4	LBS THIS POUR														
PLACEMENT 7 - SPAN 3 DECK SLAB (STAGE 2)																			
4SG21	116	3' - 6 1/4"	N8	272.8		0' - 9"	0' - 6"	1' - 0 1/4"	0' - 6"	0' - 9"								2' - 6 1/4"	
4SG02	58	3' - 8"	N8	142.1		0' - 9"	0' - 6"	1' - 8"	0' - 9"	0' - 0"								2' - 5"	
4SG03	12	6' - 4"	N1	50.8														6' - 4"	
4SG04	44	2' - 6 1/4"	N12	74.2		0' - 10 1/2"	1' - 7 3/4"	0' - 0"				1' - 2"			1' - 2"				
5SG25	113	19' - 10"	N1	2337.5														19' - 10"	
5SG06	17	60' - 0"	N1	1063.9														60' - 0"	
5SG27	17	22' - 7 1/4"	N1	400.8														22' - 7 1/4"	
5SG28	113	20' - 5"	1	2406.3	0' - 7"	19' - 10"					0' - 0"			0' - 5"					
5SG09	12	60' - 0"	N1	751.0														60' - 0"	
5SG30	12	21' - 7 1/4"	N1	270.4														21' - 7 1/4"	
5SG11	5	60' - 0"	N1	312.9														60' - 0"	
5SG32	5	22' - 7 1/4"	N1	117.9														22' - 7 1/4"	
4SG13	113	5' - 3 1/2"	S5	399.4	0' - 6"	1' - 0 1/2"	1' - 9"	1' - 0"			1' - 0"								
4SG14	18	1' - 11"	17	23.0		0' - 7"	1' - 4"	0' - 0"											
4SG35	2	17' - 9"	N1	23.7														17' - 9"	
5SG16	112	5' - 1"	1	593.8	0' - 7"	4' - 6"					0' - 0"			0' - 5"					
SUBTOTAL GALVANIZED BARS				9240.5	LBS THIS POUR														
PLACEMENT 8 - SPAN 3 BRUSH CURB (STAGE 2)																			
5SG17	4	60' - 0"	N1	250.3														60' - 0"	
5SG38	4	22' - 7 1/4"	N1	94.3														22' - 7 1/4"	
SUBTOTAL GALVANIZED BARS				344.6	LBS THIS POUR														

NOTES;

1. REINFORCEMENT IN THE BRUSH CURBS INCLUDED IN ITEM 557.30.
   ALL OTHER REINFORCEMENT INCLUDED IN ITEM 557.4103.

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 2/14/2024

SIGNATURE:
STAMP:

STATE OF NEW YORK
CHRISTOPHER GEORGE SICHAK
EXCELSIOR
084524
LICENSED PROFESSIONAL ENGINEER

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

ERDMAN ANTHONY

TITLE OF PROJECT
SPAN 2 & 3 DECK REPLACEMENT
AND JOINT REPLACEMENTS

LOCATION OF PROJECT
SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
BAR LIST
(2 OF 3)

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-27

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: M. YAEGER
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.4\BT541_cpb_02_tbl_bar3.dgn
DATE/TIME = 2/14/2024 11:50:24 AM
USER = Lindot

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
MP 320.41 SUPERSTRUCTURE SLAB - CLOSURE POUR																			
PLACEMENT 9 - SPAN 2 CLOSURE POUR																			
4SG04	10	2' - 6 1/4"	N12	16.9		0' - 10 1/2"	1' - 7 3/4"	0' - 0"				1' - 2"			1' - 2"				
5SG06	3	60' - 0"	N1	187.7														60' - 0"	
5SG07	3	15' - 7 1/4"	N1	48.8														15' - 7 1/4"	
5SG09	2	60' - 0"	N1	125.2														60' - 0"	
5SG10	2	14' - 7 1/4"	N1	30.5														14' - 7 1/4"	
4SG14	6	1' - 11"	17	7.7		0' - 7"	1' - 4"	0' - 0"											
SUBTOTAL GALVANIZED BARS				416.7	LBS THIS POUR														
PLACEMENT 10 - SPAN 3 CLOSURE POUR																			
4SG04	10	2' - 6 1/4"	N12	16.9		0' - 10 1/2"	1' - 7 3/4"	0' - 0"				1' - 2"			1' - 2"				
5SG06	3	60' - 0"	N1	187.7														60' - 0"	
5SG27	3	22' - 7 1/4"	N1	70.7														22' - 7 1/4"	
5SG09	2	60' - 0"	N1	125.2														60' - 0"	
5SG30	2	21' - 7 1/4"	N1	45.1														21' - 7 1/4"	
4SG14	6	1' - 11"	17	7.7		0' - 7"	1' - 4"	0' - 0"											
SUBTOTAL GALVANIZED BARS				453.2	LBS THIS POUR														

NOTES:

1. REINFORCEMENT INCLUDED IN ITEM 557.4103.

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
MP 320.41 CURB EXTENSION																			
PLACEMENT 11 - SPAN 1 CURB																			
3SG19	64	1' - 4"	1	32.1	0' - 5"	0' - 11"					0' - 0"			0' - 3"					
4SG20	2	45' - 3"	N1	60.5														45' - 3"	
SUBTOTAL GALVANIZED BARS				92.5	LBS THIS POUR														
PLACEMENT 12 - SPAN 4 CURB																			
3SG19	62	1' - 4"	1	31.1	0' - 5"	0' - 11"					0' - 0"			0' - 3"					
4SG40	2	44' - 9"	N1	59.8														44' - 9"	
SUBTOTAL GALVANIZED BARS				90.9	LBS THIS POUR														

NOTES:

1. REINFORCEMENT PAID FOR UNDER ITEM 556.0203.

DESIGN SUPERVISOR: C. SICHAK
DESIGNED BY: N. BARNHARD
CHECKED BY: M. YAEGER
DRAFTED BY: T. LINDO
CHECKED BY: N. BARNHARD

FILE NAME = N:\19710-03-JointDeck\Drawings\Structures\MP 320.41\B7541_cpb_02_tbl_bar4.dgn
DATE/TIME = 2/14/2024 11:50:29 AM
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SYRACUSE DIVISION
BIN 5510440 MP 320.41

TITLE OF DRAWING
BAR LIST
(3 OF 3)

CONTRACT NUMBER: TAS 24-16B

DATE: FEB. 2024

DRAWING NUMBER: ST2-28