



NEW YORK DIVISION
PLANS FOR
REHABILITATION OF I-87 BRIDGES OVER
ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER
AT
MILEPOSTS 29.54 AND 29.41
IN
ROCKLAND COUNTY

TANY 24-26B D214984
121 SHEETS BIN 5040109 & 5514129

TYPE OF CONSTRUCTION:

BIN 5514129 (MP 29.41): BRIDGE REHABILITATION INCLUDING JOINT REPLACEMENT
BIN 5040109 (MP 29.54): MAJOR BRIDGE REHABILITATION INCLUDING DECK REPLACEMENT,
SUBSTRUCTURE REPAIRS, STEEL REPAIRS, JOINT REPLACEMENT, AND CONCRETE BARRIER
REPLACEMENT

STANDARD SHEETS:

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

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

BRIDGE MAINTENANCE GUIDELINES

UPON COMPLETION OF THIS PROJECT, THE BRIDGE STRUCTURES REPAIRED,
REHABILITATED OR RECONSTRUCTED HEREUNDER SHALL BE MAINTAINED IN
ACCORDANCE WITH THE CURRENT AASHTO MANUAL FOR BRIDGE MAINTENANCE,
AND THE NEW YORK STATE THRUWAY AUTHORITY MAINTENANCE DIRECTIVES:
BRIDGE MANAGEMENT PROGRAM MD 05-16, BRIDGE MANAGEMENT ACTIVITIES
MD 05-3, AND BRIDGE INSPECTION PROGRAM MD 95-5.

SPECIAL MAINTENANCE REQUIREMENTS: NONE

NOTES:

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

MAINTENANCE JURISDICTION

100% AUTHORITY
APPROACH GUIDE RAILING, APPROACH PAVEMENT, MEDIAN BARRIER, BRIDGE DECK, BRIDGE
BARRIER/PARAPET AND BRIDGE SUPERSTRUCTURE

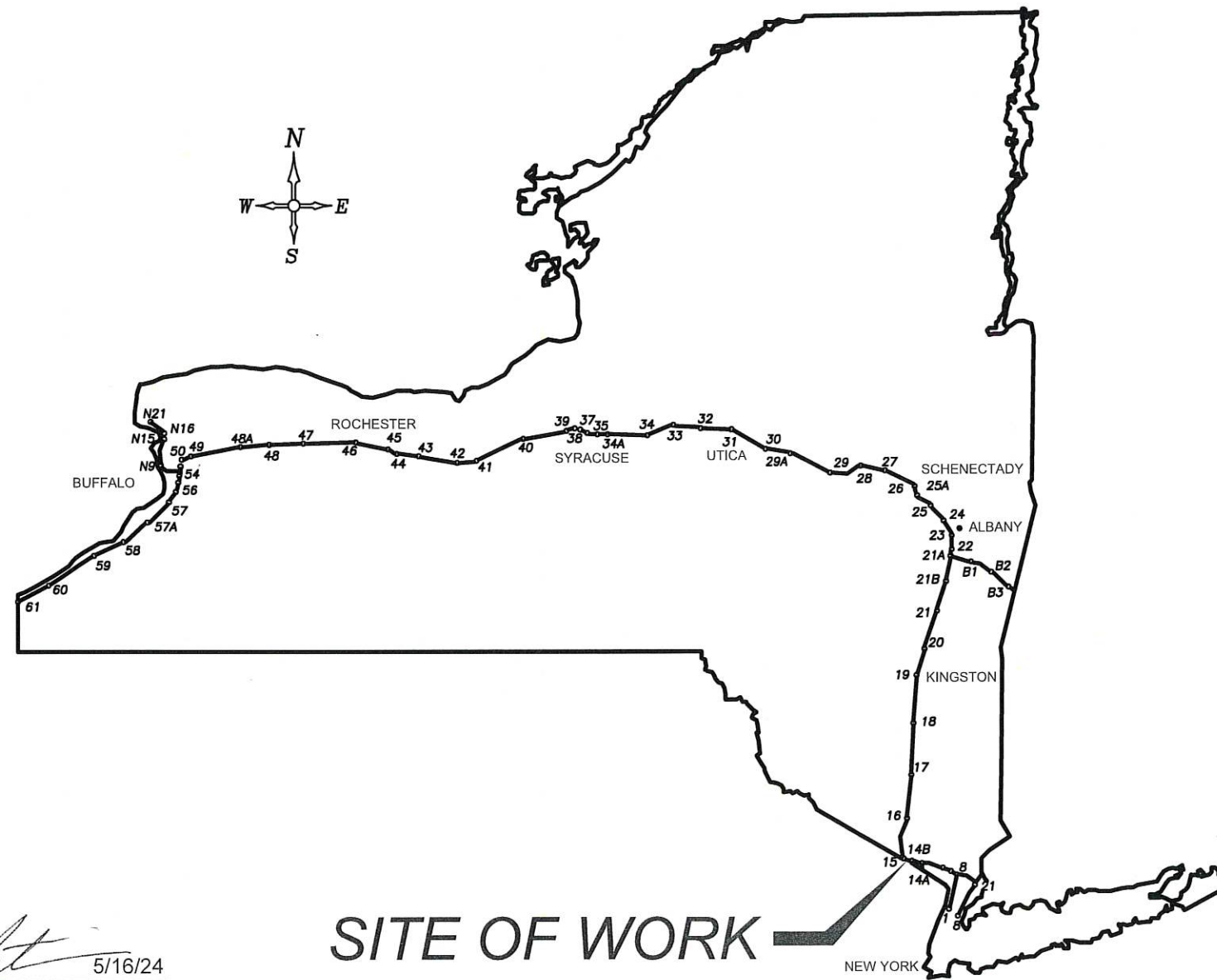
LOAD RATING TABLE - MP 29.54

(LFR)		CONTROLLING MEMBER	
INVENTORY	HS 36 TONS	SB STRINGER NEG. MOM. BENDING	
OPERATING	HS 61 TONS	SB STRINGER NEG. MOM. BENDING	

HS-20 LIVE LOADING (LFR)

	PROJECT LIMITS		CONTRACT LIMITS	
MAHWAH RIVER MP 29.41	MP 29.40	MP 29.45	MP 28.20	MP 31.10
RTE 202 (WAYNE AVE) MP 29.54	MP 29.45	MP 29.70	MP 28.20	MP 31.10

U DIG NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811



SITE OF WORK

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

FISCAL SHARE	COST(S)

INSPECTION FIRM
CONSULTANT STAMP:

RECOMMENDED BY: *[Signature]* 5/16/24
DIRECTOR, OFFICE OF DESIGN

RECOMMENDED BY: *[Signature]* 5/20/24
DIVISION DIRECTOR

RECOMMENDED BY: *[Signature]* 05/17/24
TRAFFIC ENGINEER

RECOMMENDED BY: *[Signature]* 05/17/24
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT

RECOMMENDED BY: *[Signature]* 5/20/24
DIRECTOR OF MAINTENANCE AND OPERATIONS

APPROVED BY: *[Signature]* for Brent Howard 05/20/24
CHIEF ENGINEER

PREPARED AND RECOMMENDED BY:
SHEETS 111 TO 118
Ram Sharma DATE 05/15/24
KC ENGINEERING & LAND SURVEYING PC
Engineering and Land Surveying, P.C.

PREPARED AND RECOMMENDED BY:
SHEETS 1 TO 110, 119 TO 121
Christina M. Minkler, PC DATE 05/15/24
JMT OF NEW YORK, INC.
JMT.

FILE NAME = #FILE#
DATE/TIME = #DATE# #TIME#
USER = #USER#

REVIEWED BY: *[Signature]*

PROJECT MANAGER: *[Signature]*

BUREAU DIRECTOR: *[Signature]*

FILE NAME = DATE/TIME = 15-MAY-2024 19:58 DESIGN SUPERVISOR M. COLLINGWOOD R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD M. COLLINGWOOD

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER
BK	BACK	ASPH	ASPHALT
Ⓞ	BASELINE	BDY	BOUNDARY
BRG	BEARING	BLDG	BUILDING
Ⓒ	CENTERLINE	BM	BENCH MARK
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE
EQ	EQUALITY	CONST	CONSTRUCTION
EXT	EXTERNAL	CR	COUNTY ROAD
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
PC	POINT OF CURVATURE	FP	FENCE POST
PI	POINT OF INTERSECTION	FD	FOUNDATION
POL	POINT ON LINE	FL	FENCE LINE
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE
PT	POINT OF TANGENT	GR	GRAVEL
PVC	POINT OF VERTICAL CURVE	HO	HOUSE
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE
R	RADIUS	MB	MAILBOX
SC	SPIRAL TO CURVE	MON	MONUMENT
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND
STA	STATION	O/H	OVERHEAD
T	TANGENT LENGTH	P	PARCEL
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE
TOPOGRAPHY (DRAINAGE)			
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)	R	PROPERTY LINE
BC	BOTTOM OF CURB	POR	PORCH
BO	BOTTOM OF OPENING	RR	RAILROAD
CAP	CORRUGATED ALUMINUM PIPE	RTE	ROUTE
CB	CATCH BASIN	ROW	RIGHT OF WAY
CIP	CAST IRON PIPE	RW	RETAINING WALL
Ⓒ STRM	CENTERLINE OF STREAM	SH	STATE HIGHWAY
CMP	CORRUGATED METAL PIPE	SHLDR	SHOULDER
CP	CONCRETE PIPE	SPK	SPIKE
CSP	CORRUGATED STEEL PIPE	ST	STREET
CULV	CULVERT	STK	STAKE
DIA	DIAMETER	STY	STORY
DMH	DRAINAGE MANHOLE	SW	SIDEWALK
DS	DRAINAGE STRUCTURE PIPE	TE	TEMPORARY EASEMENT
D'XING	DITCH CROSSING	TO	TEMPORARY OCCUPANCY
EHW	EXTREME HIGH WATER	U/G	UNDERGROUND
EL	ELEVATION	WW	WING WALL
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)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
ABUT	ABUTMENT	E	ELECTRIC
AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
ASPH	ASPHALT	G	GAS
BDY	BOUNDARY	GP	GUY POLE
BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CC	CENTER TO CENTER	HYD	HYDRANT
CONC	CONCRETE	LP	LIGHT POLE
CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
CR	COUNTY ROAD	PP	POWER POLE
D	DEED DISTANCE	SA	SANITARY SEWER
DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
DWY	DRIVEWAY	ST	STORM SEWER
EP	EDGE OF PAVEMENT	T	TELEPHONE
ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
FP	FENCE POST	TMH	TELEPHONE MANHOLE
FD	FOUNDATION	CTV	CABLE TELEVISION
FL	FENCE LINE	W	WATER
GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
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		
R	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		

SUBSURFACE EXPLORATION	
ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENETROMETER
DA	2 1/4 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)
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 NUMBER OF SHEETS: 121
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	IND-1
3-4	LEGEND	LEG-1 TO LEG-2
5	GENERAL NOTES	GNN-1
6	TYPICAL SECTIONS	TYP-1
7	STANDARD SHEETS	SS-1
8	WORK ZONE TRAFFIC CONTROL NOTES	TC-1
9	WORK ZONE TRAFFIC CONTROL DETAILS	TC-2
10-12	WORK ZONE TRAFFIC CONTROL TYPICAL SECTIONS	TC-3 TO TC-5
13-16	WORK ZONE TRAFFIC CONTROL HORIZONTAL CONTROL TABLES	TC-6 TO TC-9
17-19	WORK ZONE TRAFFIC CONTROL - STAGE 1 PLANS	TC-10 TO TC-12
20-28	WORK ZONE TRAFFIC CONTROL - ADVANCE SIGNAGE (STAGES 2 TO 5)	TC-13 TO TC-21
29-31	WORK ZONE TRAFFIC CONTROL - STAGE 2 PLANS	TC-22 TO TC-24
32-34	WORK ZONE TRAFFIC CONTROL - STAGE 3 PLANS	TC-25 TO TC-27
35-37	WORK ZONE TRAFFIC CONTROL - STAGE 4 PLANS	TC-28 TO TC-30
38-40	WORK ZONE TRAFFIC CONTROL - STAGE 5 PLANS	TC-31 TO TC-33
41-43	WORK ZONE TRAFFIC CONTROL INTERIM STAGE	TC-34 TO TC-36
44	WORK ZONE TRAFFIC CONTROL - TYPICAL SECTIONS (ROUTE 202)	TC-37
45-50	WORK ZONE TRAFFIC CONTROL - ROUTE 202 PLANS	TC-38 TO TC-43
51	WORK ZONE TRAFFIC CONTROL - WASHINGTON AVE DETOUR PLAN	TC-44
52-53	SURVEY CONTROL DATA	SCD-1 TO SCD-2
54	MISCELLANEOUS TABLES	MST-1
55	MISCELLANEOUS DETAILS	MSD-1
56-58	GENERAL PLANS	GNP-1 TO GNP-3
59-64	PROFILES	PRO-1 TO PRO-6
65-71	I-87 OVER MAHWAH RIVER BRIDGE PLANS	ST1-1 TO ST1-7
72-121	I-87 OVER ROUTE 202 (WAYNE AVE.) BRIDGE PLANS	ST2-1 TO ST2-50

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority 	TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
	LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
	TITLE OF DRAWING INDEX AND ABBREVIATIONS	DRAWING NUMBER: IND-1

FILE NAME = DATE/TIME = 15-MAY-2024 19:58 DESIGN SUPERVISOR M. COLLINGWOOD R. JABLONSKI M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpr11-pr-svc

Main legend table with columns: ALIGNMENT, DRAINAGE, ITS, ROW MAPPING, SIGNS, UTILITIES. Each column contains symbols and their corresponding descriptions.

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

Project information including logos for NEW YORK STATE OF OPPORTUNITY, Thruway Authority, and JMT. Includes project title, location, date (05/15/2024), and drawing number (LEG-2).

GENERAL HIGHWAY NOTES

- CURRENT NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND NYS SUPPLEMENT SHALL BE IN EFFECT FOR THIS PROJECT.
- ADDITIONAL NOTES MAY BE FOUND ON SUBSEQUENT DRAWINGS. SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWING THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF THE PROJECTS, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITION MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND AOB.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS, AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER.
- THERE SHALL BE NO CLAIM AGAINST THE NYSTA BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS. THE CONTRACTOR WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS INDICATED IN THE CONTRACT.
- AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE OF SURFACE RUNOFF FROM THE TRAVEL LANES AND CONTROL OF THE RUNOFF TO PREVENT EROSION, POLLUTION, SEDIMENTATION OR OTHER DISCHARGES WHICH WOULD AFFECT PROPERTIES ADJACENT TO THE WORK SITE. ALL MEASURES TAKEN TO PROVIDE POSITIVE DRAINAGE SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AOB AND PAYMENT SHALL BE MADE AT THE UNIT BID PRICE FOR THE APPROPRIATE ITEMS.
- NO PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS, 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 UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA AND SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THOSE ITEMS.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING OR OTHER DEVICES THAT MAY BE REQUIRED OR THAT MAY BE DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATION IN ACCORDANCE WITH THE PROVISION OF SECTION 107.05 "SAFETY & HEALTH REQUIREMENTS" OF THE NYSDOT STANDARD SPECIFICATIONS. IN ADDITION, A MINIMUM OF 1-INCH THICK PLATE WILL BE REQUIRED AT ALL EXCAVATIONS THAT ARE TO BE COVERED AOB. THE PLATES SHALL BE SECURELY FASTENED DOWN TO THE SATISFACTION OF THE ENGINEER AND SHALL BE STRUCTURALLY CAPABLE OF CARRYING ALL IMPOSED LOADS. THE COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES, WITHIN THE CONTRACT LIMITS, CLEAN AND FULLY OPERATIONAL AT ALL TIMES. THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
- PROTECTION OF THE PUBLIC: THE CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH SECTION 619, THE TRAFFIC CONTROL PLANS, THE MUTCD AND THE NEW YORK STATE SUPPLEMENT TO THE MUTCD. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 107, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE STANDARD SPECIFICATION.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES AND SCHEDULE HIS OPERATIONS SO AS TO CAUSE A MINIMUM DISRUPTION TO TRAFFIC.
- THERE IS NO SPOIL AREA FOR SURPLUS MATERIALS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OFF THE AUTHORITY'S PROPERTY. ALL DISPOSAL SITES SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE REMOVAL OF SURPLUS MATERIALS FROM THE SITE AND ALL MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL FEDERAL, STATE, 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.

ENVIRONMENTAL NOTES:

- ACTIVITIES MUST BE CONDUCTED IN A MANNER TO PREVENT DISTURBANCE AND DISCHARGE OF POLLUTANTS TO SURFACE WATERS. PLACEMENT OF FILL AND APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES DURING CONSTRUCTION SHALL PREVENT DISCHARGE TO SURFACE WATERS.

EROSION & SEDIMENT CONTROL NOTES:

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE SOIL IS STABILIZED WITH SEEDING AND/OR MULCH. SEEDING AND/OR MULCHING SHALL BE PAID UNDER ITEM 209.1003.
- THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES, AS INDICATED ON THE EROSION CONTROL PLANS, MAY REQUIRE FIELD ADJUSTMENT DEPENDING UPON THE SEQUENCE OF CONSTRUCTION ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY SIGNIFICANT FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE PLANS.
- STORM WATER FROM DISTURBED AREAS MUST BE ALLOWED TO SETTLE (VIA A SEDIMENT TRAP) OR PASS THROUGH AN APPROPRIATE SEDIMENT CONTROL DEVICE BEFORE DISCHARGE BEYOND DISTURBED AREAS OR INTO INLETS OF OTHER DRAINAGE SYSTEMS.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES.
- REFER TO NYSDOT STANDARD SHEETS 209-01 THROUGH 209-07 FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION, INSTALLATION, AND INSPECTION REQUIREMENTS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- ANY SEDIMENT TRAPPED BEHIND EROSION CONTROL MEASURES MUST BE REMOVED PRIOR TO REMOVAL OF THE EROSION CONTROL DEVICE.
- MINIMIZE EXPOSED SOILS WHEREVER POSSIBLE. THIS CAN BE ACCOMPLISHED THROUGH PROPER CONSTRUCTION SEQUENCING AND USE OF MULCH AND TEMPORARY SEEDING.
- CLEARING AND GRUBBING SHALL BE LIMITED TO NO MORE THAN NECESSARY BEYOND THE REQUIRED GRADING LIMITS, UNLESS DIRECTED OTHERWISE. CLEARING AND GRUBBING SHALL BE PAID UNDER ITEM 201.06.
- THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES (I.E., JUTE MESH, SEED OR MULCH) AS SOON AS PRACTICABLE IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

UTILITY NOTES

- LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL U DIG NY OR 811 TO HAVE UNDERGROUND UTILITIES LOCATED. CONTRACTOR SHALL BE RESPONSIBLE TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS. THE COST OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 206.05 -TEST PITS. A QUANTITY OF 6 TEST PITS HAS BEEN INCLUDED IN THE CONTRACT. THE NEED FOR TEST PIT EXCAVATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATING.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE, CAUSING THE INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE WORK UNTIL SERVICE IS RESTORED. ALL COSTS TO REPAIR OR REPLACE DAMAGED UTILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE CONTRACTOR DOES NOT MAKE IMMEDIATE NECESSARY REPAIRS, THE RESPECTIVE OWNING COMPANIES OR MUNICIPAL FORCES MAY DO THE WORK, AND THE COST THEREOF CHARGED AGAINST THE CONTRACTOR.
- PRIVATE UTILITY COMPANIES ARE ALSO REQUIRED TO ALTER/RELOCATE THEIR FACILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LAY OUT THE PROJECT CENTERLINE AND OTHER FEATURES TO PROVIDE THE UTILITY COMPANIES WITH SUFFICIENT INFORMATION TO ALTER/RELOCATE THEIR FACILITIES. THE COST OF THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01. ALTERATIONS/RELOCATIONS OF UTILITIES MAY NOT ALL BE SHOWN IN THE CONTRACT PLANS. ADDITIONAL ALTERATIONS/RELOCATIONS MAY BE REQUIRED BY THEIR RESPECTIVE OWNERS.

FIBER OPTIC LINE NOTES

- THE THRUWAY'S FIBER OPTIC LINES ARE LOCATED WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS ADVISED TO CONTACT U DIG NY AT 811 PRIOR TO ANY EXCAVATION. FURTHERMORE PURSUANT TO N.Y.S. CODE RULE 753, THE CONTRACTOR MUST BE PREPARED TO VERIFY THE LOCATION OF THE FIBER OPTIC LINE THROUGH HAND DUG TEST HOLES AT ONE OR MORE LOCATIONS WITHIN THE WORK AREA PRIOR TO ANY EXCAVATION.
- CONTRACTOR SHALL COORDINATE FIBER OPTIC RELOCATIONS WITH ADESTA, AN ALLIED UNIVERSAL COMPANY. CONTACT ANDY CONKLIN AT 518-869-5053.

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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REVISIONS

DATE	DESCRIPTION	BY	SYM.

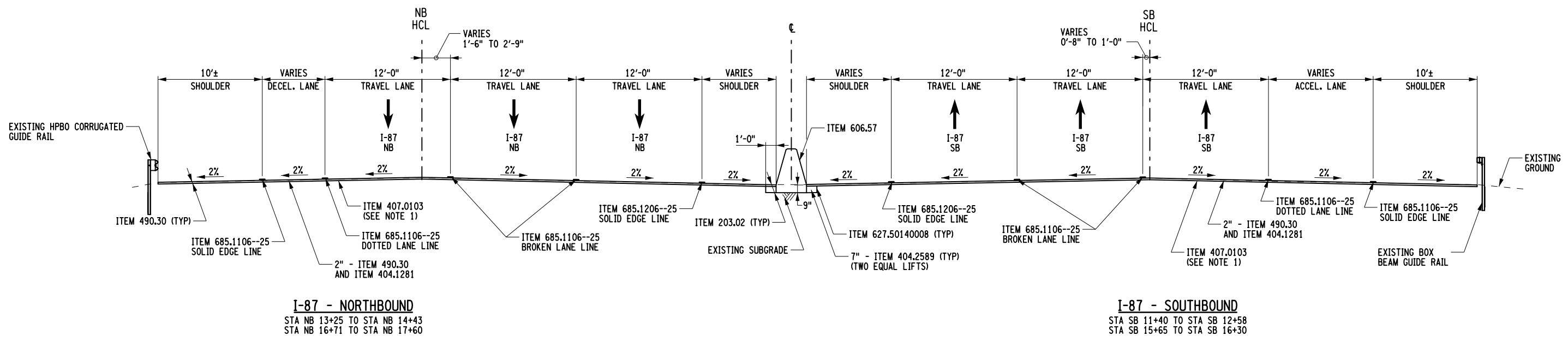


TITLE OF PROJECT: REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER
 LOCATION OF PROJECT: NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41
 TITLE OF DRAWING: GENERAL NOTES

CONTRACT NUMBER: TANY 24-26B
 DATE: 05/15/2024
 DRAWING NUMBER: GNN-1

FILE NAME = DATE/TIME = 15-MAY-2024 19:58
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 DESIGN R. JABLONSKI
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 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

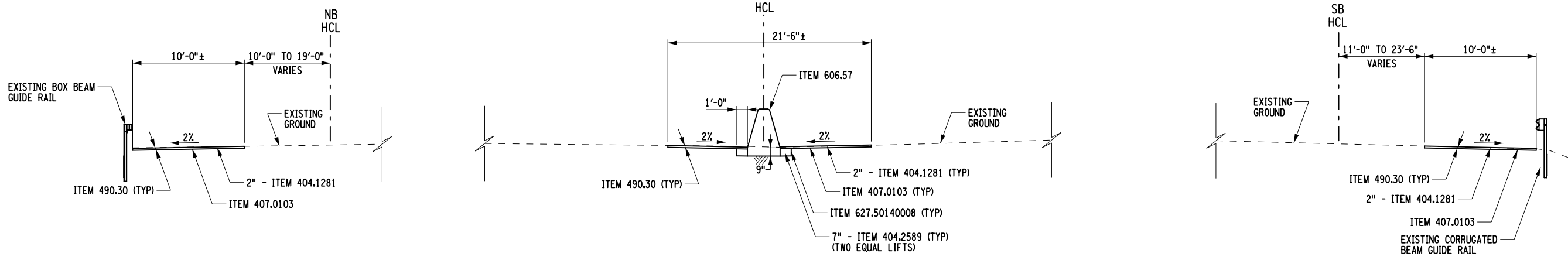
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 DESIGN SUPERVISOR
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 DESIGN
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 DRAFTING
 T. BURTNICK
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 T. BURTNICK
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 M. COLLINGWOOD
 CHECK
 T. BURTNICK
 CHECK
 M. COLLINGWOOD



I-87 - NORTHBOUND
 STA NB 13+25 TO STA NB 14+43
 STA NB 16+71 TO STA NB 17+60

I-87 - SOUTHBOUND
 STA SB 11+40 TO STA SB 12+58
 STA SB 15+65 TO STA SB 16+30

TYPICAL SECTION - MILL AND INLAY
 NTS



I-87 - NORTHBOUND
 NTS
 STA NB 12+18 TO STA NB 13+25
 STA NB 17+60 TO STA NB 20+40

I-87 - MEDIAN
 NTS
 STA 8+35 TO STA 13+25
 STA 15+98 TO STA 20+10

I-87 - SOUTHBOUND
 NTS
 STA SB 9+50 TO STA SB 11+40
 STA SB 16+30 TO STA SB 19+80

TYPICAL SECTION - SHOULDER/MEDIAN RESTORATION
 NTS

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	627.50140008	CUTTING PAVEMENT	LF
404.1281	12.5 F1 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	685.1106--25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	685.1206--25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF
407.0103	STRAIGHT TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			
606.57	RESETTING PRECAST CONCRETE BARRIER	LF			

NOTES

- ASPHALT PAVEMENT JOINT ADHESIVE TO BE USED AT ALL VERTICAL PAVEMENT JOINTS.
- MIARDS TO BE INSTALLED ALONG RIGHT SHOULDER AND MEDIAN SHOULDER UNDER ITEM 649.01 AND PER NYSDOT STANDARD SHEET 649-02. SEE MST-1 FOR MIARD INSTALLATION LIMITS.

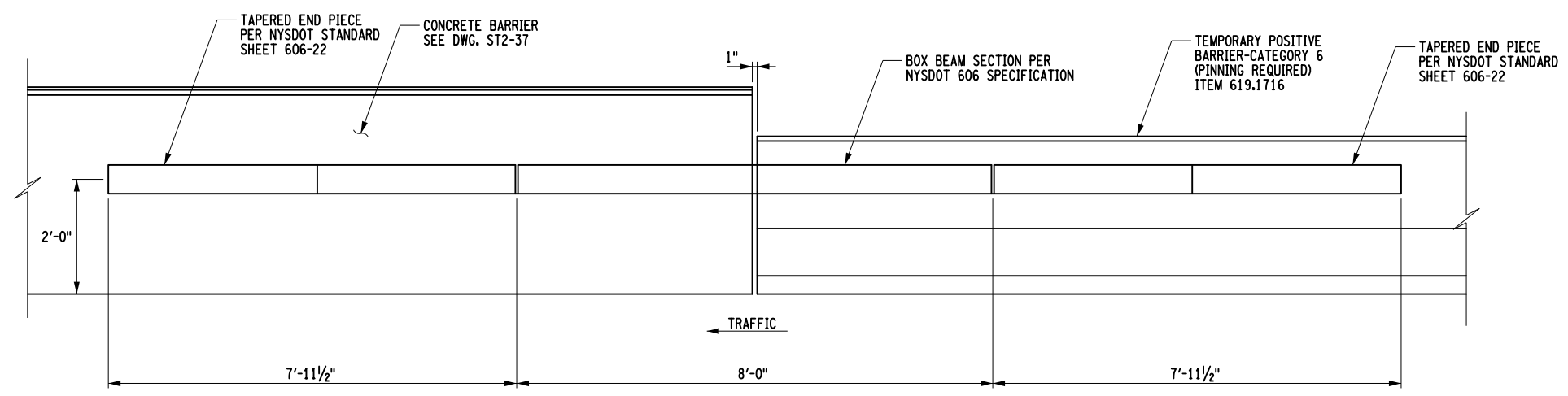


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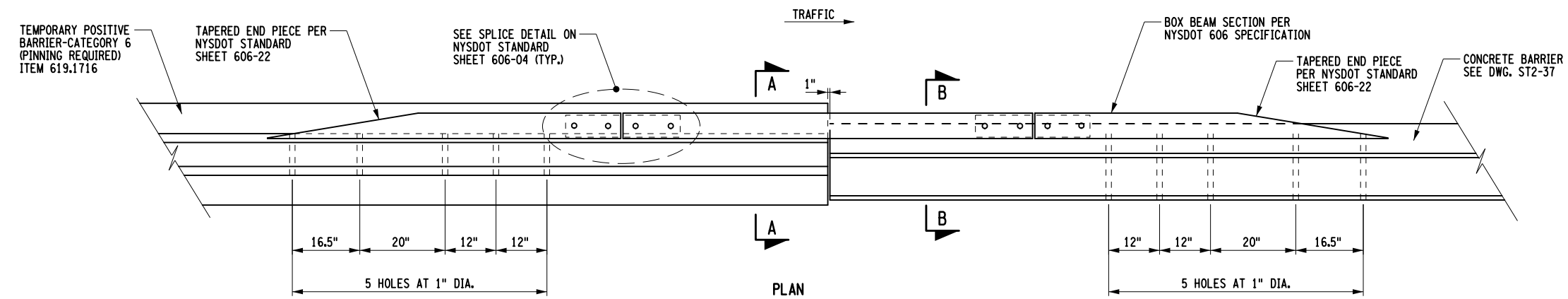
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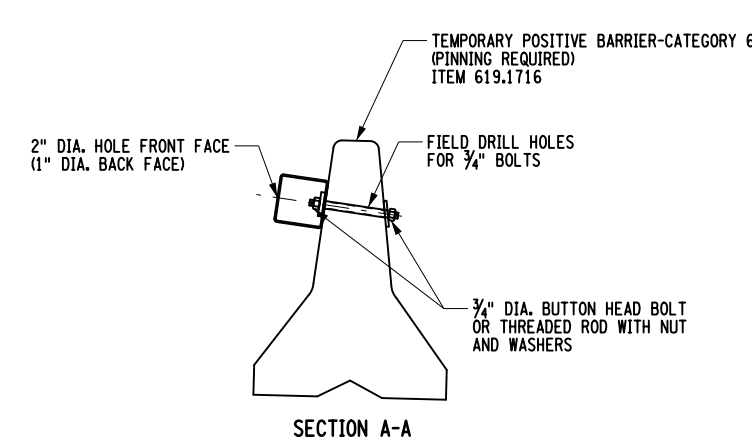
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING TYPICAL SECTIONS	DRAWING NUMBER: TYP-1



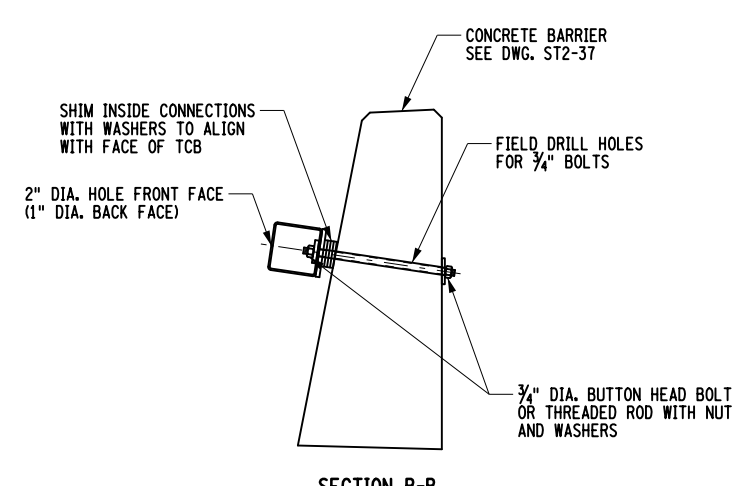
ELEVATION



PLAN



SECTION A-A



SECTION B-B

BARRIER TRANSITION DETAIL - STAGE 4
NTS

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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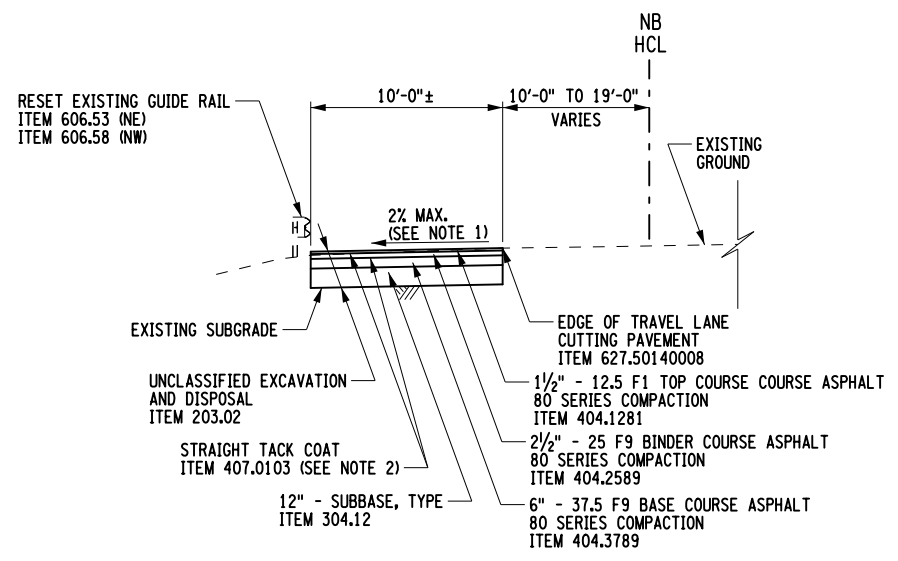
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DATE	DESCRIPTION	BY	SYM.



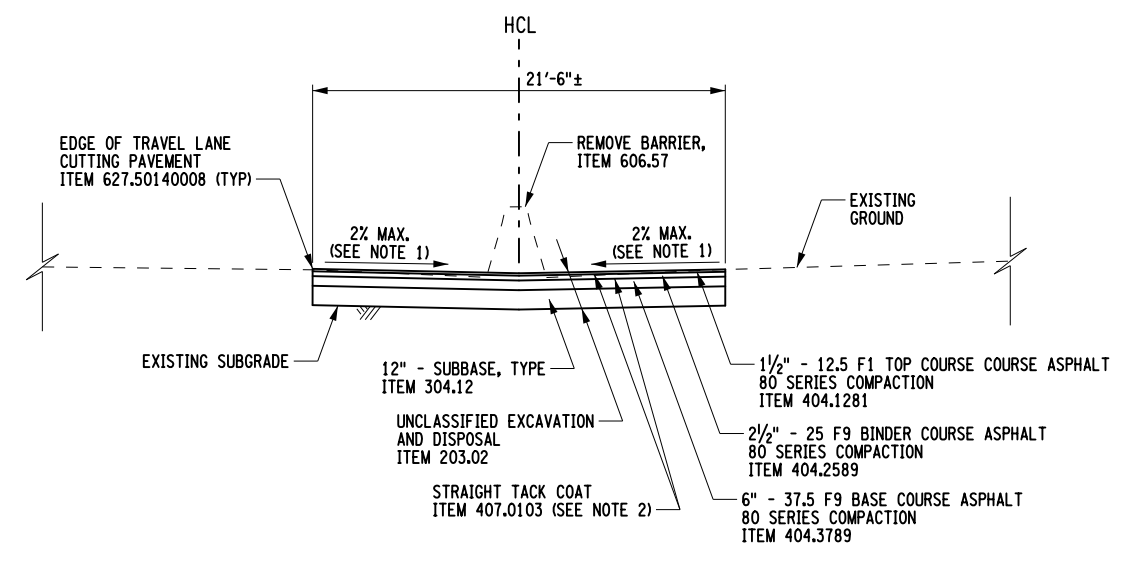
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL DETAILS	DRAWING NUMBER: TC-2

FILE NAME = _____
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:08
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpe11-pr-svc

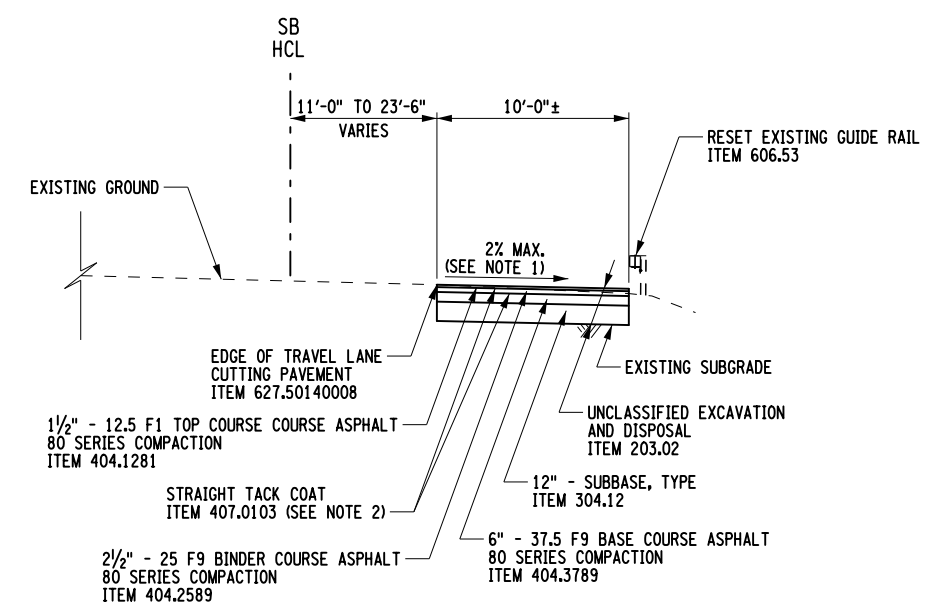
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 DESIGN SUPERVISOR
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 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpr11-pr-svc



NORTHBOUND SHOULDER RECONSTRUCTION
 NTS
 STA NB 12+18 TO STA NB 14+80
 STA NB 17+00 TO STA NB 20+40



MEDIAN RECONSTRUCTION
 NTS
 STA 8+35 TO STA 13+55
 STA 15+65 TO STA 20+10



SOUTHBOUND SHOULDER RECONSTRUCTION
 NTS
 STA SB 9+50 TO STA SB 11+85
 STA SB 15+65 TO STA SB 19+80

- NOTE**
- EXISTING SHOULDER AND MEDIAN CROSS SLOPE SHALL TRANSITION FROM EXISTING 6% TO 2% IN FIRST 100 FT FROM THE BEGIN/END INLAY.
 - STRAIGHT TACK COAT - ITEM 407.0103 SHALL BE APPLIED TO ALL HORIZONTAL SURFACES BETWEEN PAVEMENT LIFTS.

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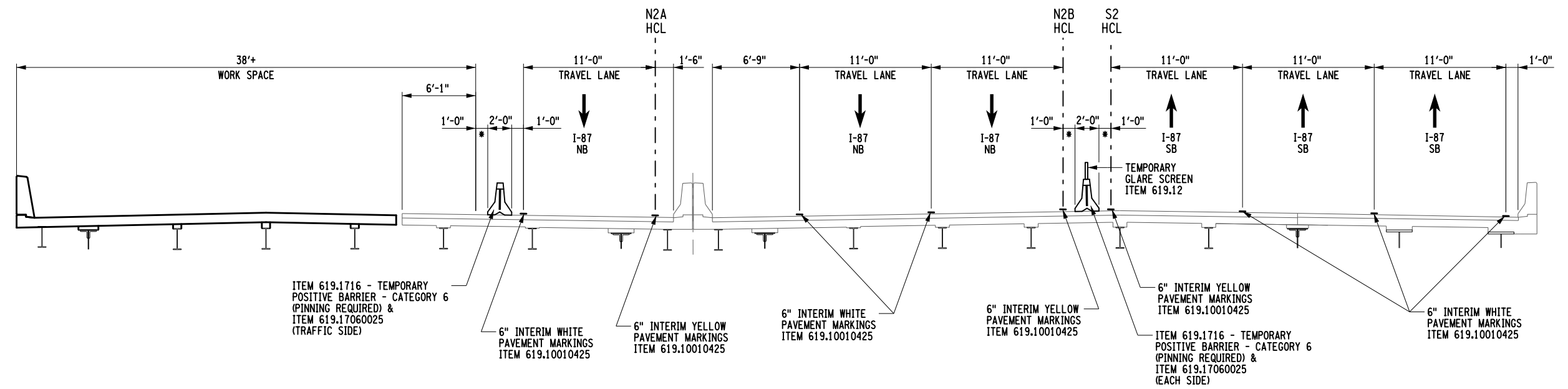
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



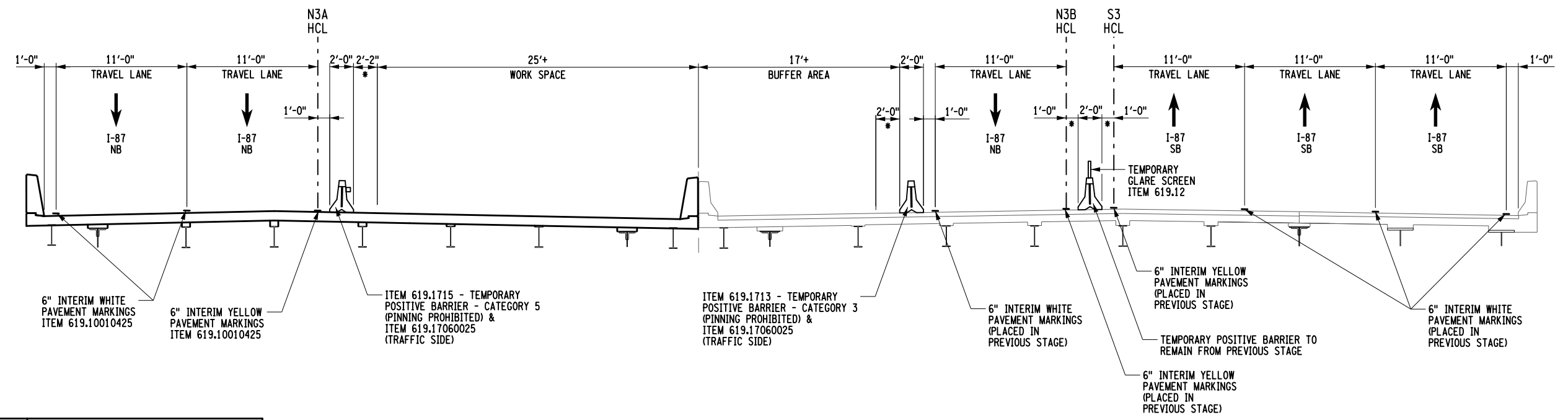
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - TYPICAL SECTIONS (STAGE 1)	DRAWING NUMBER: TC-3

ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



TYPICAL SECTION - STAGE 2
NTS



TYPICAL SECTION - STAGE 3
NTS

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



NOTE:
* DENOTES DEFLECTION AREA

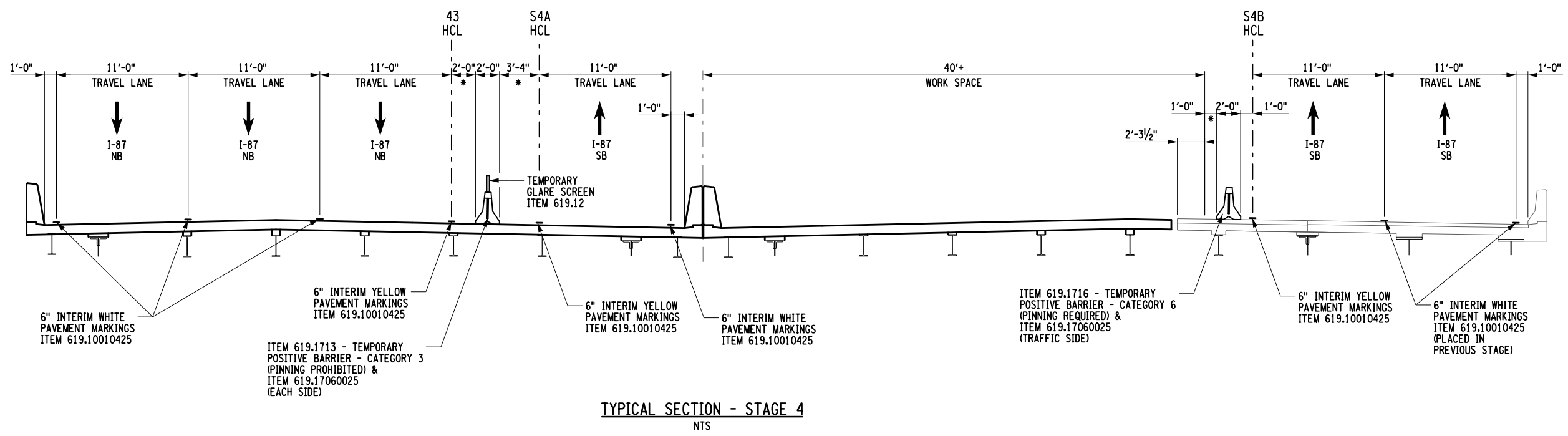
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

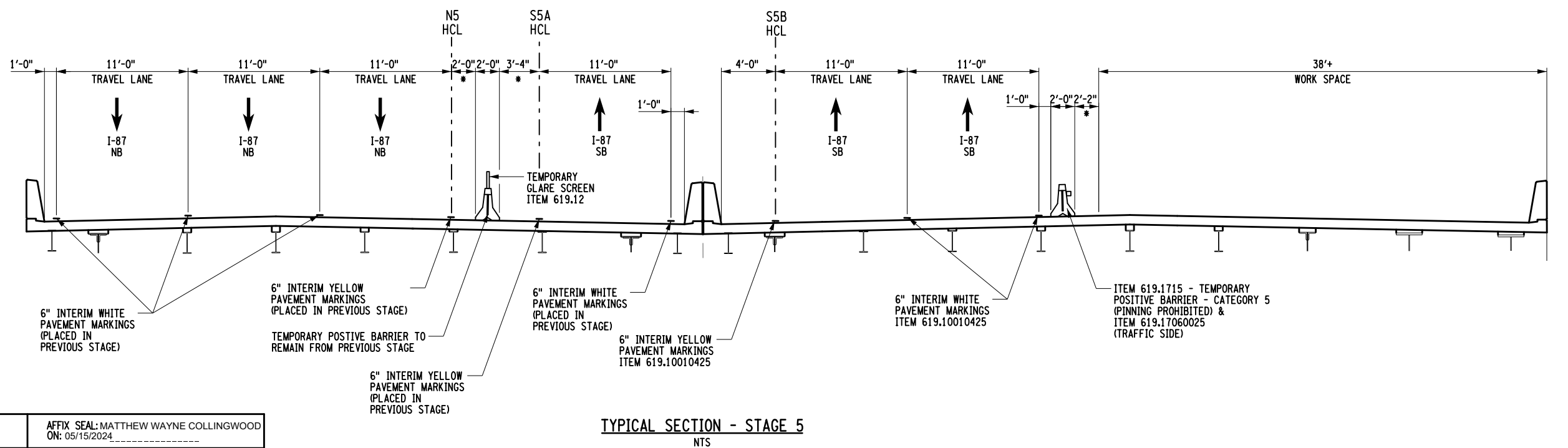


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - TYPICAL SECTIONS (1 OF 2)	DRAWING NUMBER: TC-4

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 DATE/TIME = 15-MAY-2024 20:02
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 DRAFTING M. COLLINGWOOD
 CHECK T. BURTNICK
 CHECK M. COLLINGWOOD



TYPICAL SECTION - STAGE 4
NTS



TYPICAL SECTION - STAGE 5
NTS

USER = jmtpe11-pr-svc
 DATE/TIME = 15-MAY-2024 20:05
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 CHECK M. COLLINGWOOD

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



NOTE:
* DENOTES DEFLECTION AREA

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - TYPICAL SECTIONS (2 OF 2)	DRAWING NUMBER: TC-5

HORIZONTAL CONTROL TABLE - STAGE 2				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 NORTHBOUND (STAGE 2)				
P.O.B./P.C.	N2A 10+00.00	832774.551	588489.785	BEGIN ALIGNMENT/ P.C. CURVE N2A1
P.I.	N2A 11+24.46 BK= N2A 11+24.13 AH	832820.701	588605.369	P.I. CURVE N2A1 (R = 2000)
P.R.C.	N2A 12+48.59	832852.164	588725.782	P.R.C. CURVE N2A1 / N2A2
P.I.	N2A 13+73.87 BK= N2A 13+73.55 AH	832883.836	588846.994	P.I. CURVE N2A2 (R = 2011)
P.T.	N2A 14+98.83	832930.307	588963.337	P.T. CURVE N2A2
P.C.	N2A 18+11.54	833046.300	589253.733	P.C. CURVE N2A3
P.I.	N2A 19+34.66 BK= N2A 19+34.36 AH	833091.971	589368.073	P.I. CURVE N2A3 (R = 2011)
P.T./P.O.E.	N2A 20+57.48	833151.249	589475.987	P.T. CURVE N2A3 / END ALIGNMENT

HORIZONTAL CONTROL TABLE - STAGE 2				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 SOUTHBOUND (STAGE 2)				
P.O.B.	S2 10+00.00	832554.599	588042.916	BEGIN ALIGNMENT
P.I.	S2 12+47.30	832639.427	588275.212	P.I.
P.C.	S2 13+08.13	832661.963	588331.709	P.C. CURVE S2-1
P.I.	S2 14+56.82 BK = S2 14+56.69 AH	832717.052	588469.821	P.I. CURVE S2-1 (R = 4033)
P.R.C.	S2 16+05.38	832761.822	588611.615	P.R.C. CURVE S2-1 / S2-2
P.I.	S2 17+53.81 BK = S2 17+53.68 AH	832806.514	588753.161	P.I. CURVE S2-2 (R = 4000)
P.T.	S2 19+02.11	832861.573	588891.005	P.T. CURVE S2-2
P.C.	S2 22+45.68	832989.016	589210.067	P.C. CURVE S2-3
P.I.	S2 23+45.98 BK = S2 23+45.82 AH	833026.222	589303.213	P.I. CURVE S2-3 (R = 2000)
P.R.C.	S2 24+46.12	833072.560	589392.169	P.R.C. CURVE S2-3 / S2-4
P.I.	S2 25+46.04 BK = S2 25+45.88 AH	833118.723	589480.790	P.I. CURVE S2-4 (R = 2033)
P.T.	S2 26+45.80	833155.974	589573.511	P.T. CURVE S2-4
P.O.E.	S2 27+65.83	833202.753	589684.045	END ALIGNMENT

HORIZONTAL CONTROL TABLE - STAGE 2				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 NORTHBOUND (STAGE 2)				
P.O.B.	N2B 10+00.00	832692.344	588341.957	BEGIN ALIGNMENT
P.C.	N2B 11+27.92	832739.312	588460.939	P.C. CURVE N2B1
P.I.	N2B 12+68.96 BK = N2B 12+68.49 AH	832791.098	588592.126	P.I. CURVE N2B1 (R = 2000)
P.R.C.	N2B 14+09.53	832823.961	588729.283	P.R.C. CURVE N2B1 / N2B2
P.I.	N2B 15+55.43 BK = N2B 15+54.92 AH	832857.957	588871.168	P.I. CURVE N2B2 (R = 2011)
P.T.	N2B 17+00.82	832912.076	589006.659	P.T. CURVE N2B2
P.C.	N2B 18+99.17	832985.651	589190.859	P.C. CURVE N2B3
P.I.	N2B 20+43.52 BK = N2B 20+43.03 AH	833039.197	589324.914	P.I. CURVE N2B3 (R = 2011)
P.R.C.	N2B 21+87.38	833111.341	589449.947	P.R.C. CURVE N2B3 / N2B4
P.I.	N2B 23+39.46 BK = N2B 23+38.88 AH	833187.347	589581.674	P.I. CURVE N2B4 (R = 2000)
P.T.	N2B 24+90.96	833242.561	589723.379	P.T. CURVE N2B4
P.O.E.	N2B 25+74.22	833272.789	589800.958	END ALIGNMENT

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 DATE/TIME = 15-MAY-2024 20:07
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 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - HORIZONTAL CONTROL TABLES	DRAWING NUMBER: TC-6

HORIZONTAL CONTROL TABLE - STAGE 4				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 NORTHBOUND (STAGE 4)				
P.O.B.	N4 10+00.00	832692.344	588341.957	BEGIN ALIGNMENT
P.I.	N4 11+20.00	832736.405	588453.576	P.I.
P.C.	N4 13+37.74	832817.143	588655.789	P.C. CURVE N4-1
P.I.	N4 14+09.28 BK = N4 14+09.23 AH	832843.672	588722.234	P.I. CURVE N4-1 (R = 2033)
P.R.C.	N4 14+80.77	832874.807	588786.648	P.R.C. CURVE N4-1 / N4-2
P.I.	N4 15+55.64 BK = N4 15+55.57 AH	832907.388	588854.056	P.I. CURVE N4-2 (R = 2018)
P.T.	N4 16+30.44	832934.884	588923.693	P.T. CURVE N4-2
P.I.	N4 22+01.80	833144.725	589455.129	P.I.
P.I.	N4 24+50.40	833228.830	589689.071	P.I.
P.O.E.	N4 25+70.61	833272.789	589800.958	END ALIGNMENT

HORIZONTAL CONTROL TABLE - STAGE 4				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 SOUTHBOUND (STAGE 4)				
P.O.B./P.C.	S4B 10+00.00	832651.745	588335.784	BEGIN ALIGNMENT/ P.C CURVE S4B1
P.I.	S4B 11+48.29 BK = S4B 11+48.15 AH	832706.685	588473.519	P.I. CURVE S4B1 (R = 4022)
P.R.C.	S4B 12+96.44	832751.333	588614.927	P.R.C. CURVE S4B1 / S4B2
P.I.	S4B 14+45.28 BK = S4B 14+45.15 AH	832796.147	588756.862	P.I. CURVE S4B2 (R = 4011)
P.T.	S4B 15+93.99	832851.358	588895.085	P.T. CURVE S4B2
P.C.	S4B 19+37.56	832978.801	589214.147	P.C CURVE S4B3
P.I.	S4B 20+38.42 BK = S4B 20+38.25 AH	833016.211	589307.805	P.I. CURVE S4B3 (R = 2011)
P.R.C.	S4B 21+39.10	833062.804	589397.251	P.R.C. CURVE S4B3 / S4B4
P.I.	S4B 22+38.47 BK = S4B 22+38.30 AH	833108.710	589485.378	P.I. CURVE S4B4 (R = 2022)
P.T./P.O.E.	S4B 23+37.67	833145.754	589577.581	P.T. CURVE S4B4/ END ALIGNMENT

HORIZONTAL CONTROL TABLE - STAGE 4				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 SOUTHBOUND (STAGE 4)				
P.O.B.	S4A 10+00.00	832554.599	588042.916	BEGIN ALIGNMENT
P.I.	S4A 12+47.30	832639.427	588275.212	P.I.
P.C.	S4A 14+88.75	832728.882	588499.478	P.C. CURVE S4A1
P.I.	S4A 16+04.66 BK = S4A 16+04.40 AH	832771.825	588607.138	P.I. CURVE S4A1 (R = 2000)
P.R.C.	S4A 17+20.31	832826.918	588709.116	P.R.C. CURVE S4A1 / S4A2
P.I.	S4A 18+40.36 BK = S4A 18+40.07 AH	832883.979	588814.739	P.I. CURVE S4A2 (R = 2011)
P.T.	S4A 19+60.12	832928.069	588926.401	P.T. CURVE S4A2
P.C.	S4A 22+53.07	833035.659	589198.878	P.C. CURVE S4A3
P.I.	S4A 23+67.04 BK = S4A 23+66.80 AH	833077.514	589304.881	P.I. CURVE S4A3 (R = 2011)
P.R.C.	S4A 24+80.76	833107.126	589414.933	P.R.C. CURVE S4A3 / S4A4
P.I.	S4A 25+94.11 BK = S4A 25+93.87 AH	833136.575	589524.383	P.I. CURVE S4A4 (R = 2000)
P.T.	S4A 27+07.21	833178.202	589629.806	P.T. CURVE S4A4
P.O.E.	S4A 28+27.07	833224.919	589740.185	END ALIGNMENT

ALTERED BY: _____ AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - HORIZONTAL CONTROL TABLES	DRAWING NUMBER: TC-8

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 DATE/TIME = 15-MAY-2024 20:07
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING
 CHECK T. BURTNICK
 M. COLLINGWOOD
 CHECK
 M. COLLINGWOOD

HORIZONTAL CONTROL TABLE - STAGE 5				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 NORTHBOUND (STAGE 5) *SAME AT STAGE 4 - N4				
P.O.B.	N5 10+00.00	832692.344	588341.957	BEGIN ALIGNMENT
P.I.	N5 11+20.00	832736.405	588453.576	P.I.
P.C.	N5 13+37.74	832817.143	588655.789	P.C. CURVE N5-1
P.I.	N5 14+09.28 BK = N5 14+09.23 AH	832843.672	588722.234	P.I. CURVE N5-1 (R = 2033)
P.R.C.	N5 14+80.77	832874.807	588786.648	P.R.C. CURVE N5-1 / N5-2
P.I.	N5 15+55.64 BK = N5 15+55.57 AH	832907.388	588854.056	P.I. CURVE N5-2 (R = 2018)
P.T.	N5 16+30.44	832934.884	588923.693	P.T. CURVE N5-2
P.I.	N5 22+01.80	833144.725	589455.129	P.I.
P.I.	N5 24+50.40	833228.830	589689.071	P.I.
P.O.E.	N5 25+70.61	833272.789	589800.958	END ALIGNMENT

HORIZONTAL CONTROL TABLE - STAGE 5				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 SOUTHBOUND (STAGE 5)				
P.O.B./P.C.	S5B 10+00.00	832799.938	588681.602	BEGIN ALIGNMENT / P.C CURVE S5B1
P.I.	S5B 11+02.03 BK = S5B 11+01.87 AH	832846.775	588772.252	P.I. CURVE S5B1 (R = 2022)
P.T.	S5B 12+03.90	832884.249	588867.156	P.T. CURVE S5B1
P.C.	S5B 15+68.04	833017.986	589205.856	P.C CURVE S5B2
P.I.	S5B 16+61.89 BK = S5B 16+61.75 AH	833052.453	589293.145	P.I. CURVE S5B2 (R = 1992)
P.R.C.	S5B 17+55.60	833078.560	589383.287	P.R.C. CURVE S5B2 / S5B3
P.I.	S5B 18+49.82 BK = S5B 18+49.69 AH	833104.772	589473.792	P.I. CURVE S5B3 (R = 2000)
P.T.	S5B 19+43.91	833139.377	589561.431	P.T. CURVE S5B3
P.O.E.	S5B 20+21.76	833167.970	589633.846	END ALIGNMENT

HORIZONTAL CONTROL TABLE - STAGE 5				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 SOUTHBOUND (STAGE 5) *SAME AS STAGE 4 - S4A				
P.O.B.	S5A 10+00.00	832554.599	588042.916	BEGIN ALIGNMENT
P.I.	S5A 12+47.30	832639.427	588275.212	P.I.
P.C.	S5A 14+88.75	832728.882	588499.478	P.C. CURVE S5A1
P.I.	S5A 16+04.66 BK = S5A 16+04.40 AH	832771.825	588607.138	P.I. CURVE S5A1 (R = 2000)
P.R.C.	S5A 17+20.31	832826.918	588709.116	P.R.C. CURVE S5A1 / S5A2
P.I.	S5A 18+40.36 BK = S5A 18+40.07 AH	832883.979	588814.739	P.I. CURVE S5A2 (R = 2011)
P.T.	S5A 19+60.12	832928.069	588926.401	P.T. CURVE S5A2
P.C.	S5A 22+53.07	833035.659	589198.878	P.C. CURVE S5A3
P.I.	S5A 23+67.04 BK = S5A 23+66.80 AH	833077.514	589304.881	P.I. CURVE S5A3 (R = 2011)
P.R.C.	S5A 24+80.76	833107.126	589414.933	P.R.C. CURVE S5A3 / S5A4
P.I.	S5A 25+94.11 BK = S5A 25+93.87 AH	833136.575	589524.383	P.I. CURVE S5A4 (R = 2000)
P.T.	S5A 27+07.21	833178.202	589629.806	P.T. CURVE S5A4
P.O.E.	S5A 28+27.07	833224.919	589740.185	END ALIGNMENT

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:08
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING M. COLLINGWOOD
 CHECK T. BURTNICK
 M. COLLINGWOOD
 CHECK T. BURTNICK
 M. COLLINGWOOD

ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024

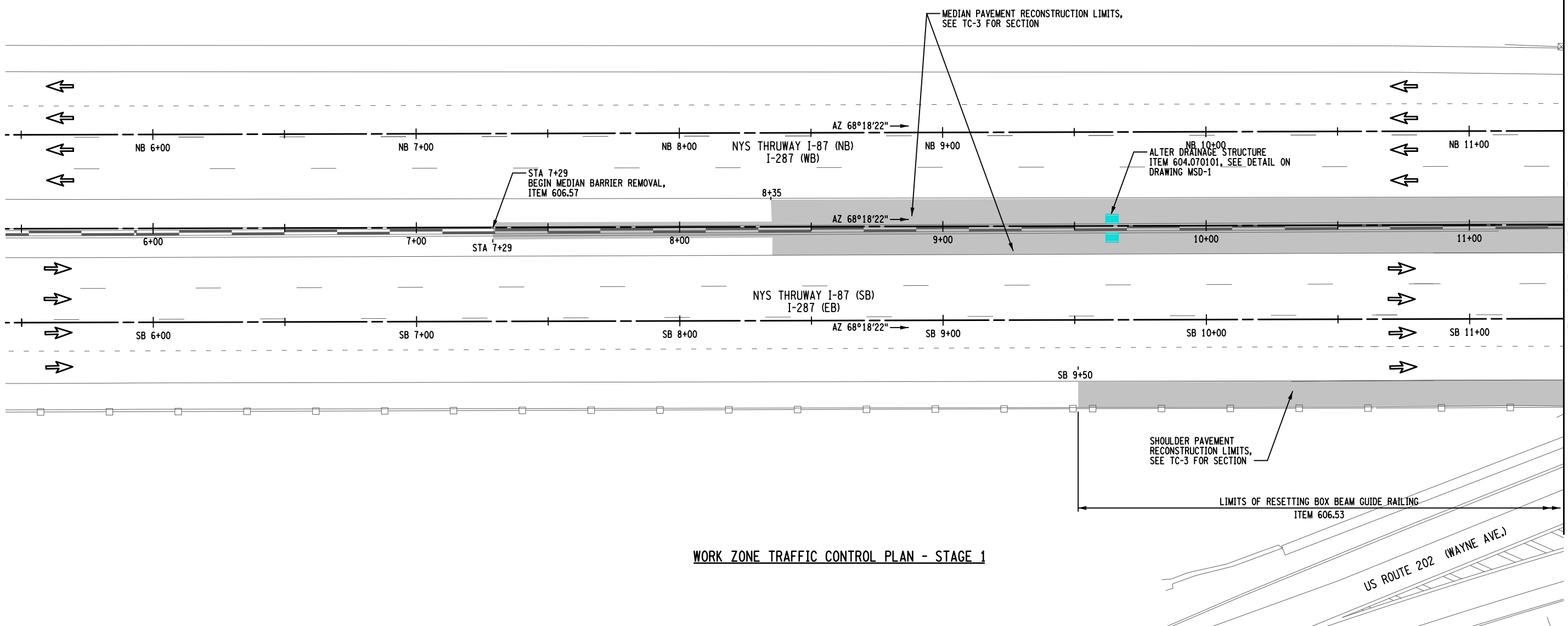
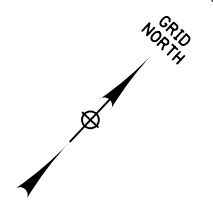


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - HORIZONTAL CONTROL TABLES	DRAWING NUMBER: TC-9



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 1

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:06
 DESIGN
 R. JABLONSKI
 CHECK
 USER = jmpx11-pr-svc
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD

ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



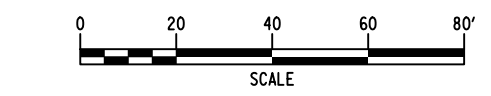
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➔ DIRECTION OF TRAFFIC

▭ PAVEMENT RECONSTRUCTION LIMITS

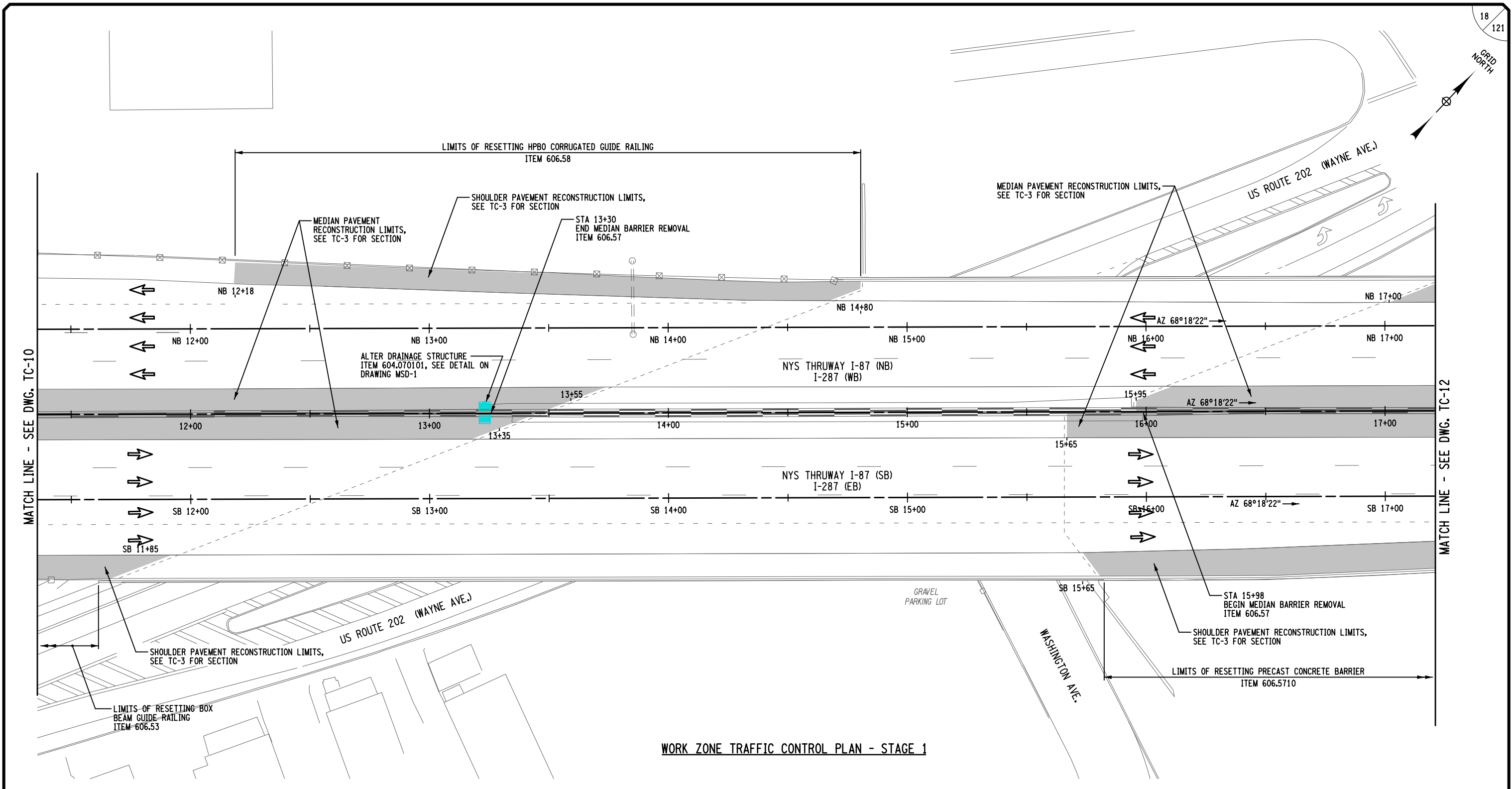
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 1 PLANS (1 OF 3)	DRAWING NUMBER: TC-10

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 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:07
 DESIGN
 R. JABLONSKI
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 USER = jmtpx11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 1

ALTERED BY: _____
 ON: _____

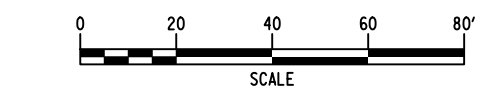
AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



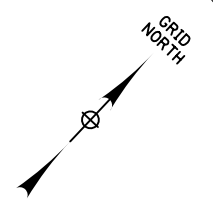
- LEGEND**
- DIRECTION OF TRAFFIC
 - PAVEMENT RECONSTRUCTION LIMITS

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

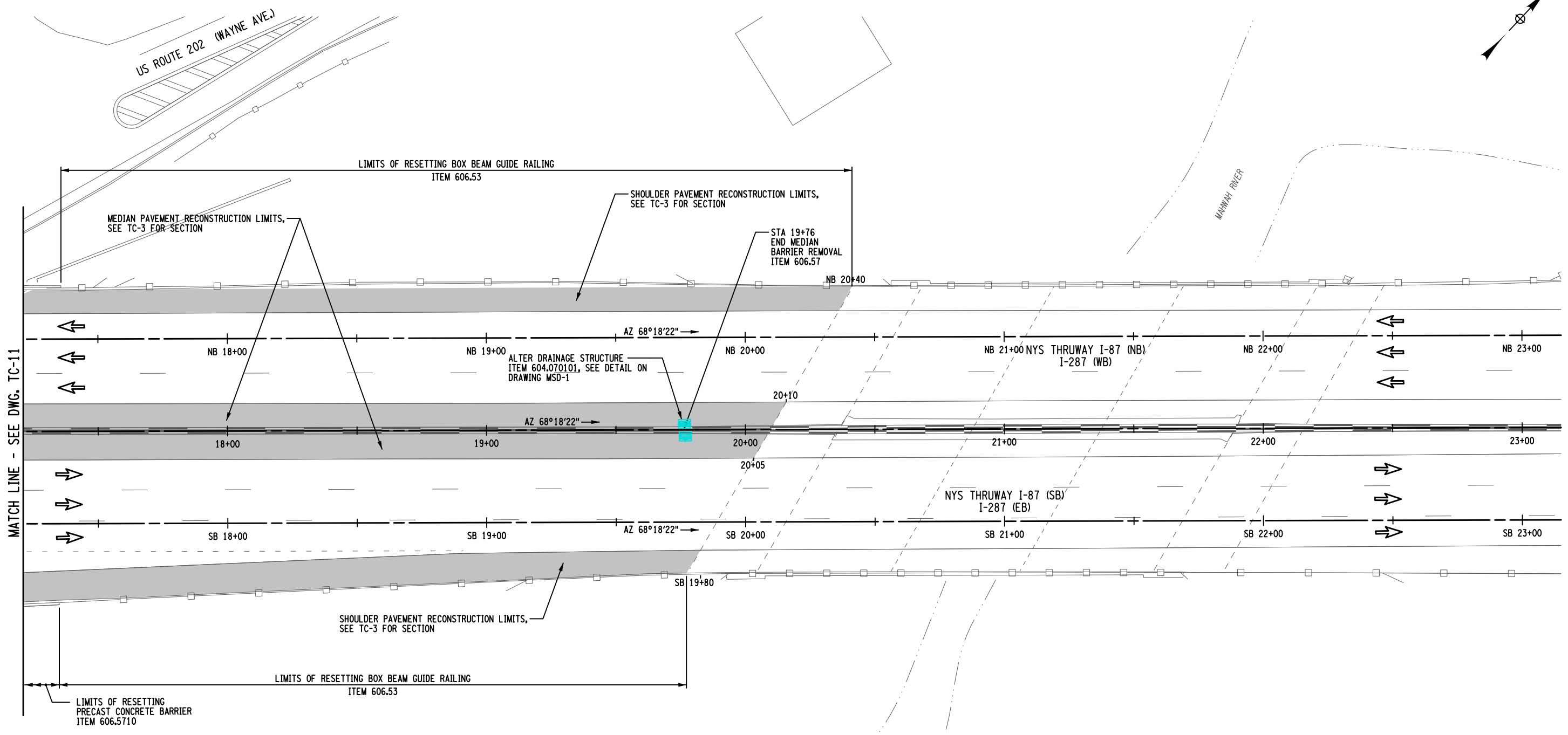
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 1 PLANS (2 OF 3)	DRAWING NUMBER: TC-11



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 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:05
 DESIGN
 R. JABLONSKI
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 USER = jmtpr11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 1

ALTERED BY: _____
 ON: _____

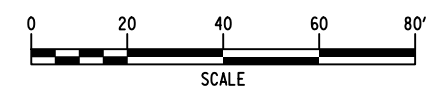
AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



LEGEND

➡ DIRECTION OF TRAFFIC

▭ PAVEMENT RECONSTRUCTION LIMITS



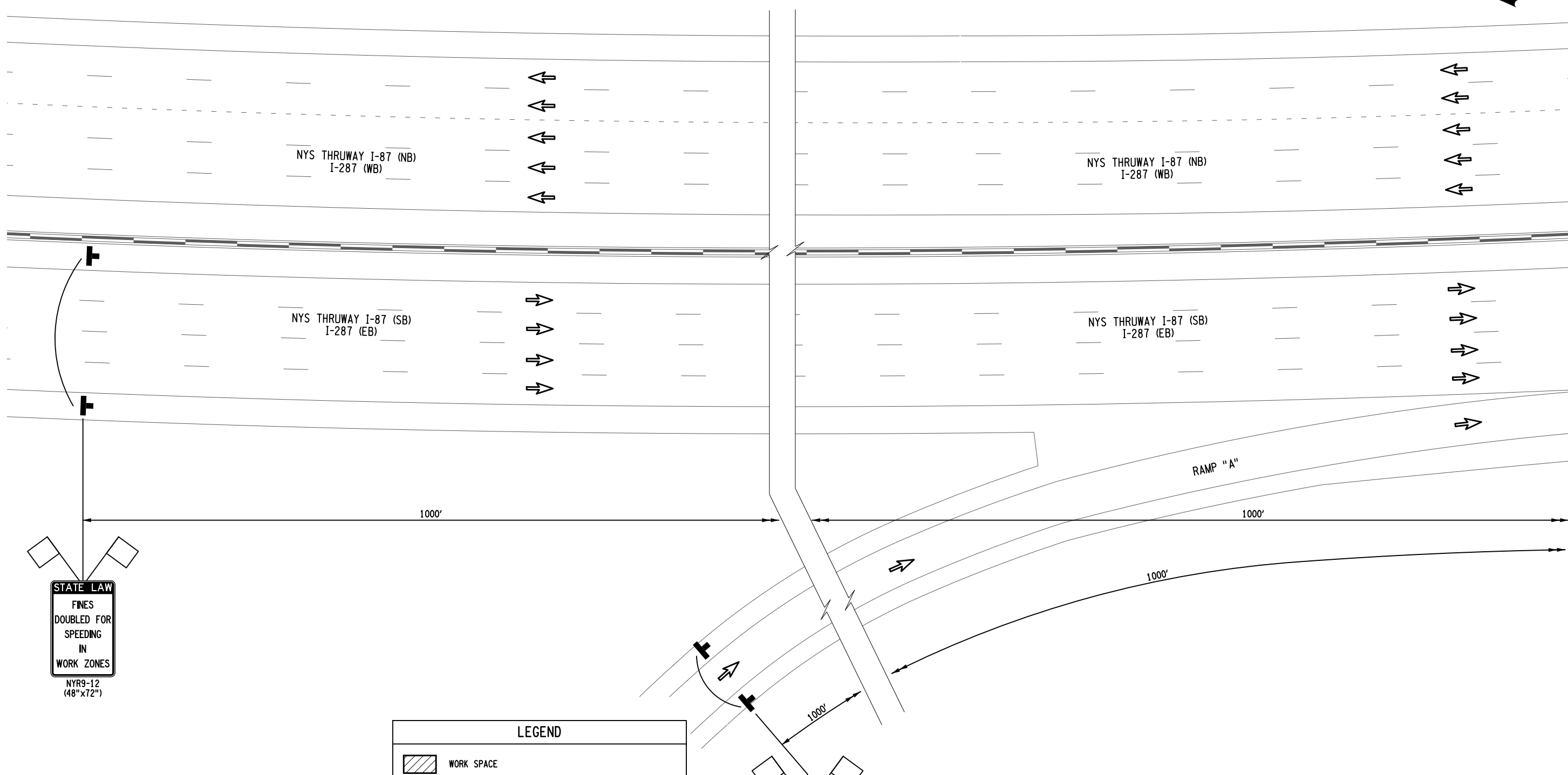
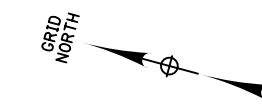
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 1 PLANS (3 OF 3)	DRAWING NUMBER: TC-12

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 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN M. COLLINGWOOD
 USER = jmtpx11-pr-svc
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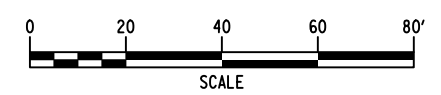
MATCH LINE - SEE DWG. TC-14

STATE LAW
 FINES
 DOUBLED FOR
 SPEEDING
 IN
 WORK ZONES
 NYR9-12
 (48"x72")

STATE LAW
 FINES
 DOUBLED FOR
 SPEEDING
 IN
 WORK ZONES
 NYR9-12
 (48"x72")

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	DIRECTION OF TRAFFIC
	TEMPORARY PAVEMENT & RESTORATION AREA

WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)



ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



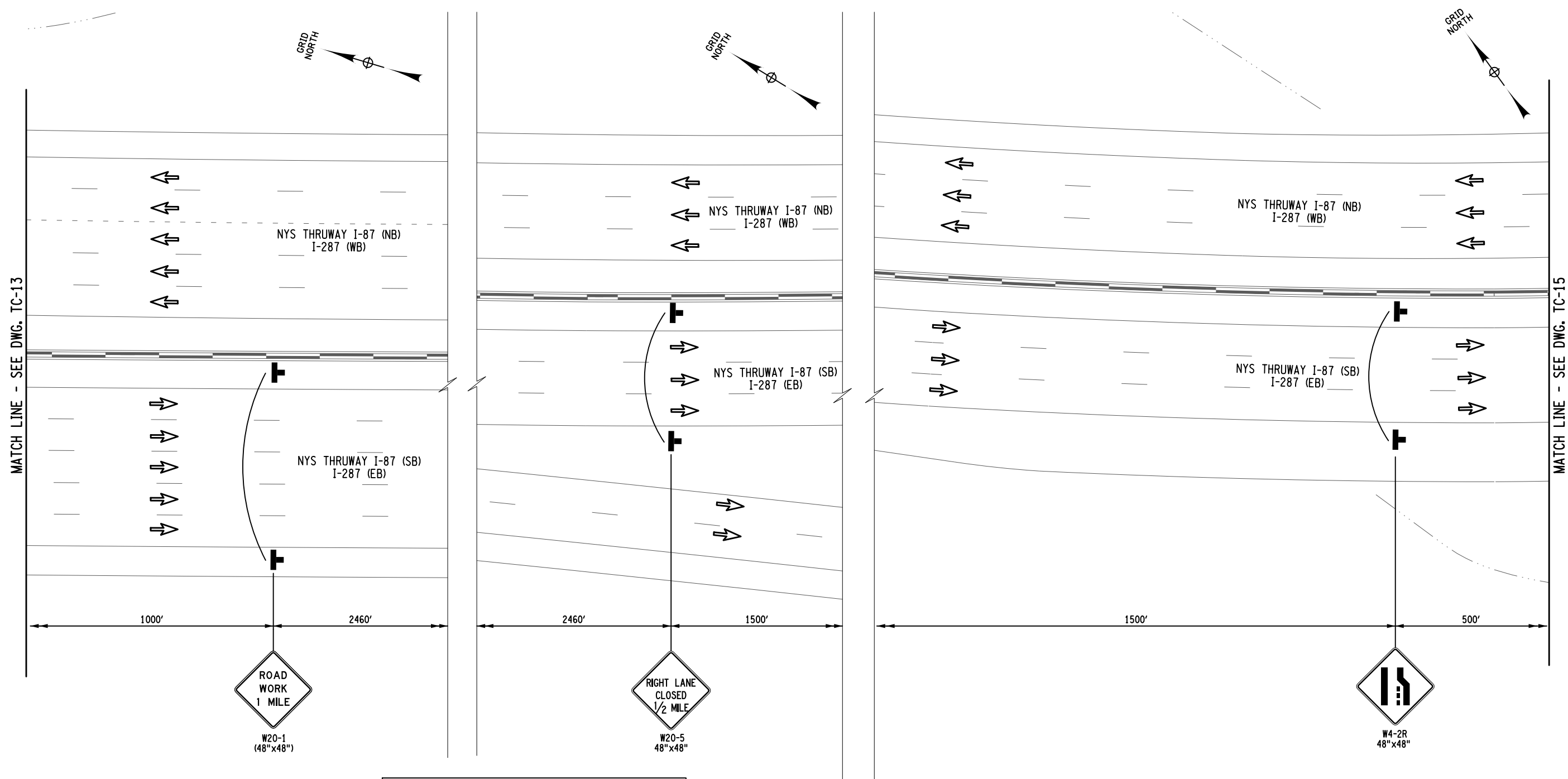
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



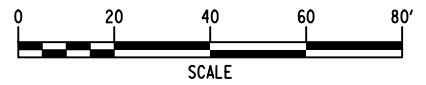
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-13

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 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC



ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



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

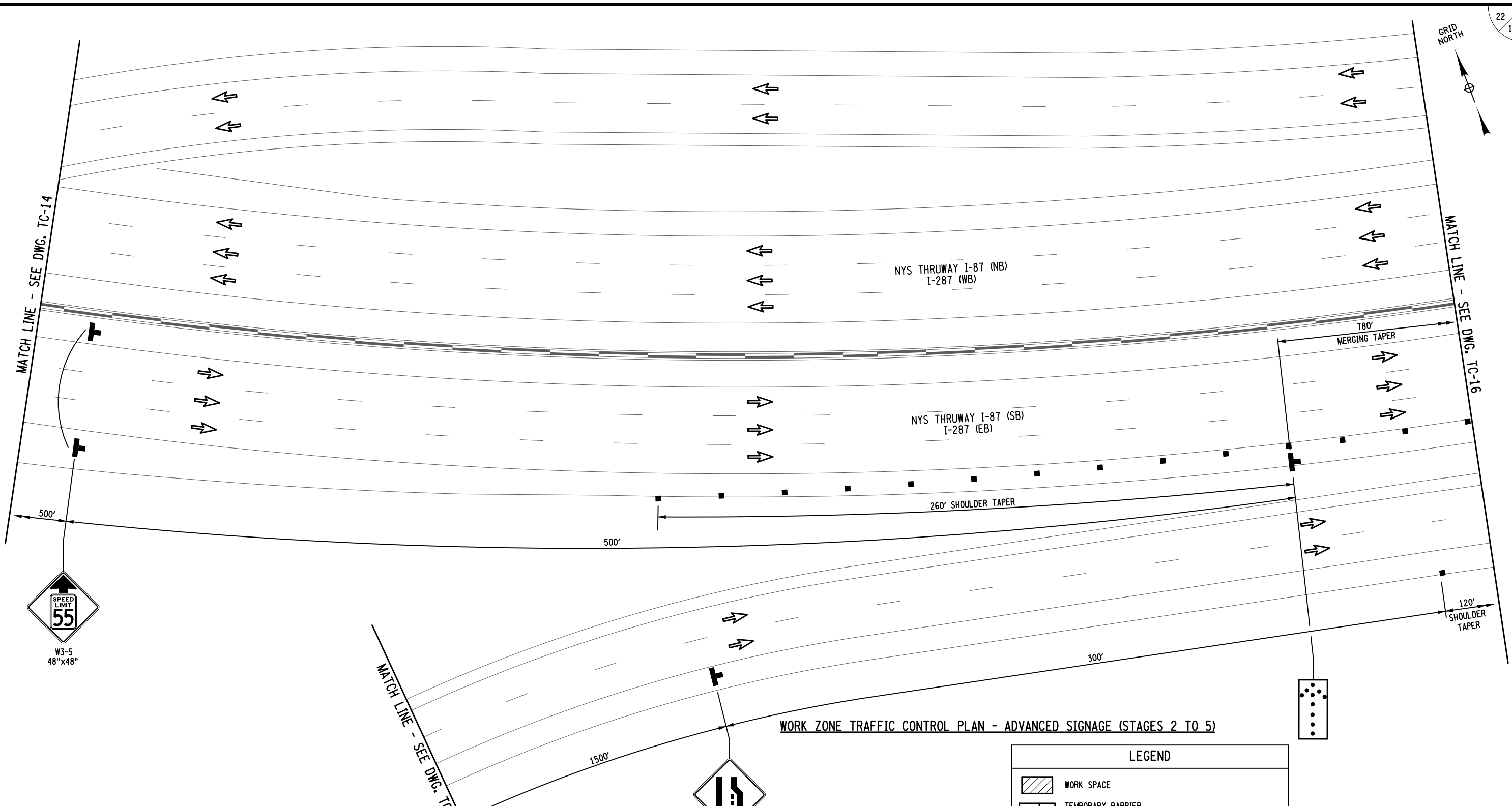
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-14

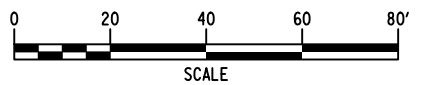
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 DRAFTING M. COLLINGWOOD
 CHECK T. BURTNICK
 M. COLLINGWOOD
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc

22
121



WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



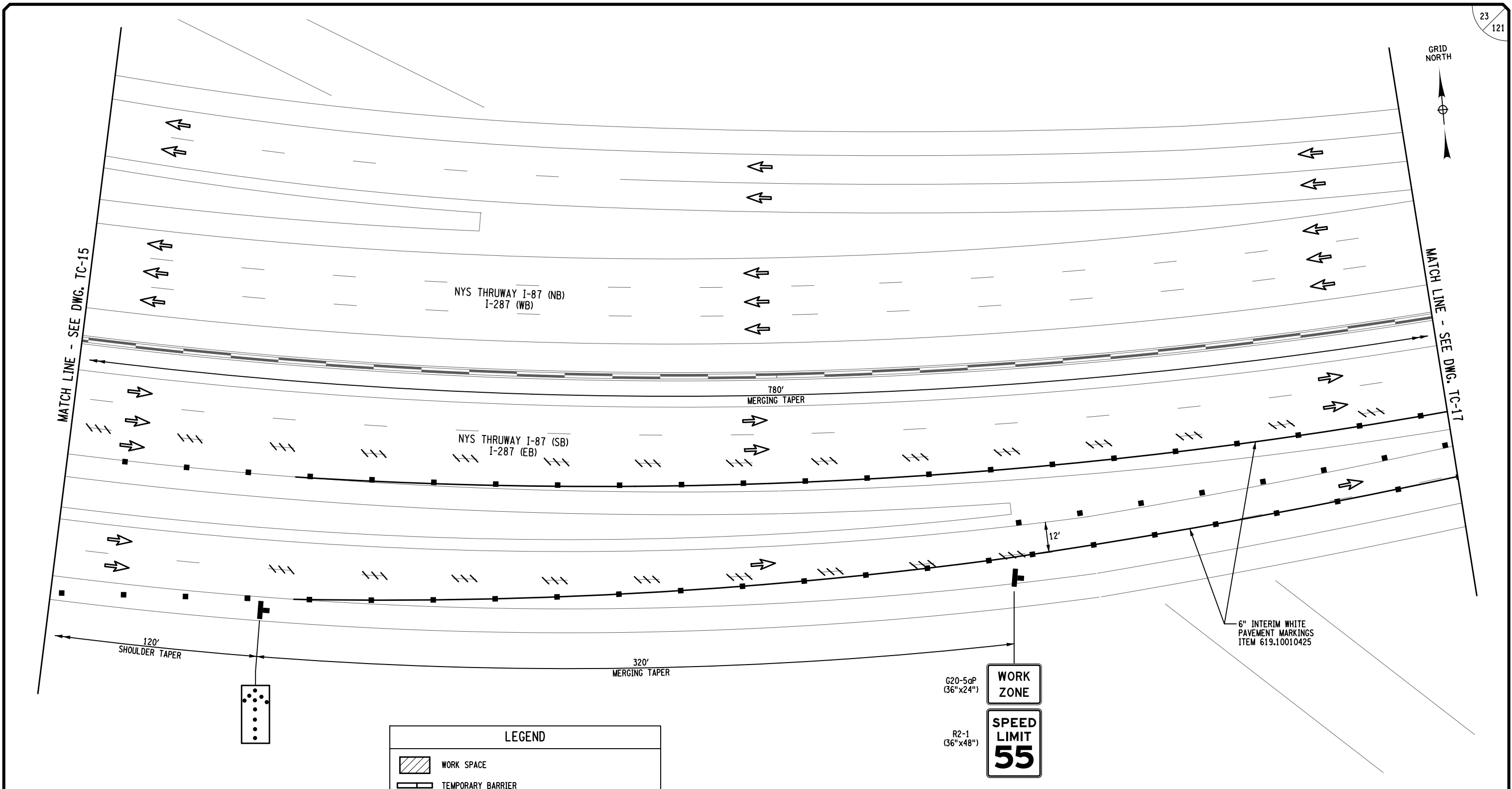
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



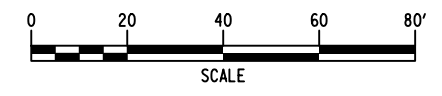
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-15

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc



LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)



ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024

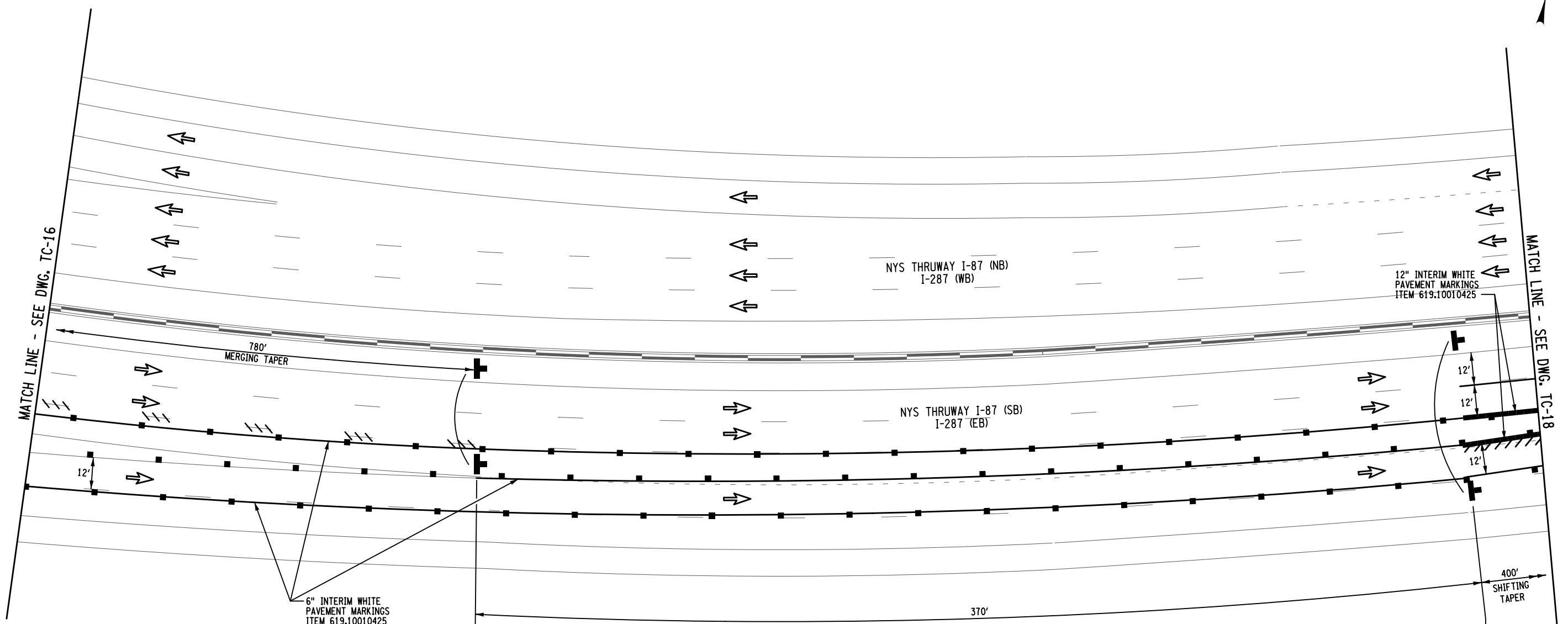


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-16



MATCH LINE - SEE DWG. TC-16

MATCH LINE - SEE DWG. TC-18

NYS THRUWAY I-87 (NB)
I-287 (WB)

NYS THRUWAY I-87 (SB)
I-287 (EB)

12" INTERIM WHITE
PAVEMENT MARKINGS
ITEM 619.10010425

6" INTERIM WHITE
PAVEMENT MARKINGS
ITEM 619.10010425

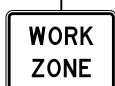
780'
MERGING TAPER

400'
SHIFTING TAPER

370'

WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)

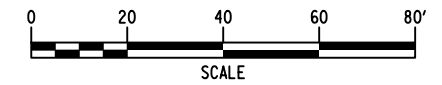
G20-5aP
(36"x24")



R2-1
(36"x48")



LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

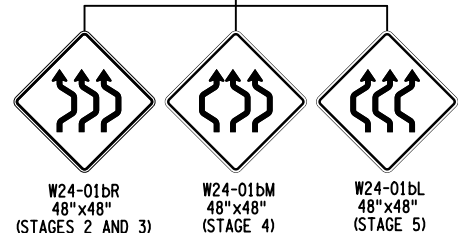
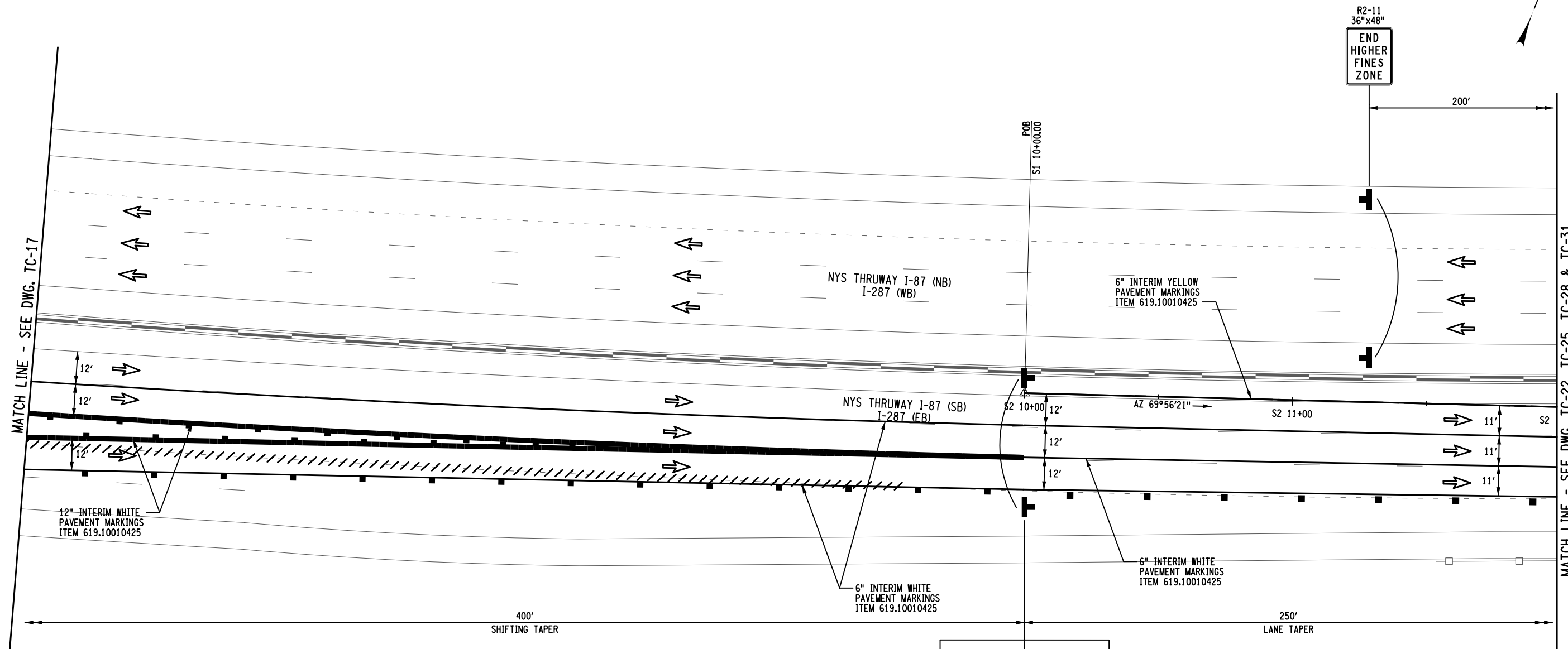
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-17

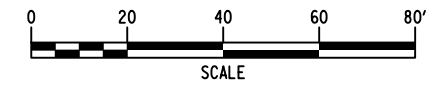
FILE NAME = _____
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

FILE NAME = DATE/TIME = 15-MAY-2024 19:59 USER = jmtpr11-pr-svc CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD



LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)



ALTERED BY: _____ AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: _____ ON: 05/15/2024



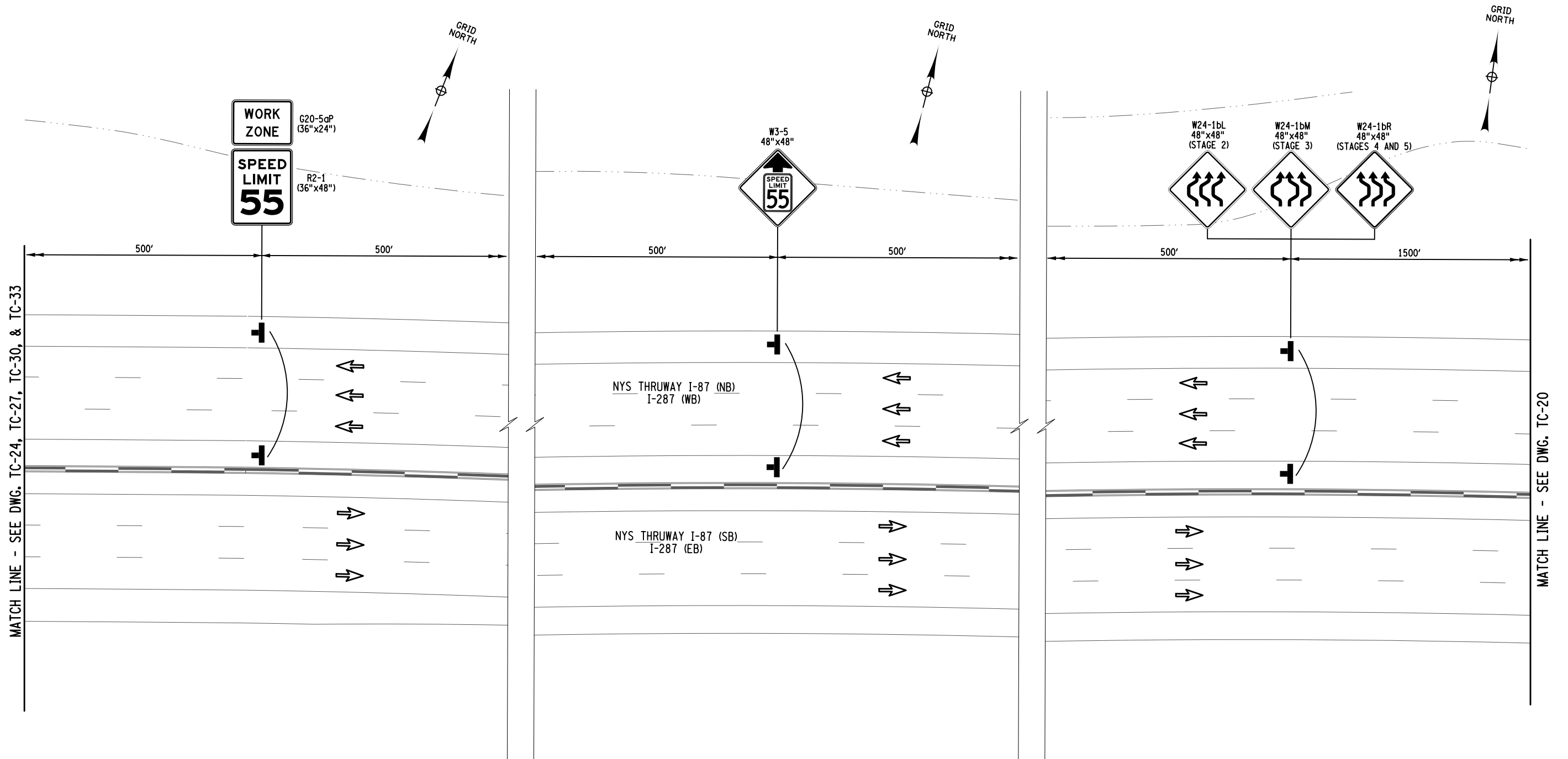
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-18

FILE NAME = DATE/TIME = 15-MAY-2024 20:00 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpx11-pr-svc



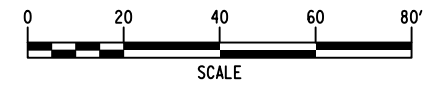
MATCH LINE - SEE DWG. TC-24, TC-27, TC-30, & TC-33

MATCH LINE - SEE DWG. TC-20

LEGEND

- WORK SPACE
- TEMPORARY BARRIER
- CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
- TEMPORARY SIGN, ITEM 619.01
- TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
- COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
- REMOVE PAVEMENT MARKINGS, ITEM 619.080102
- DIRECTION OF TRAFFIC

WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

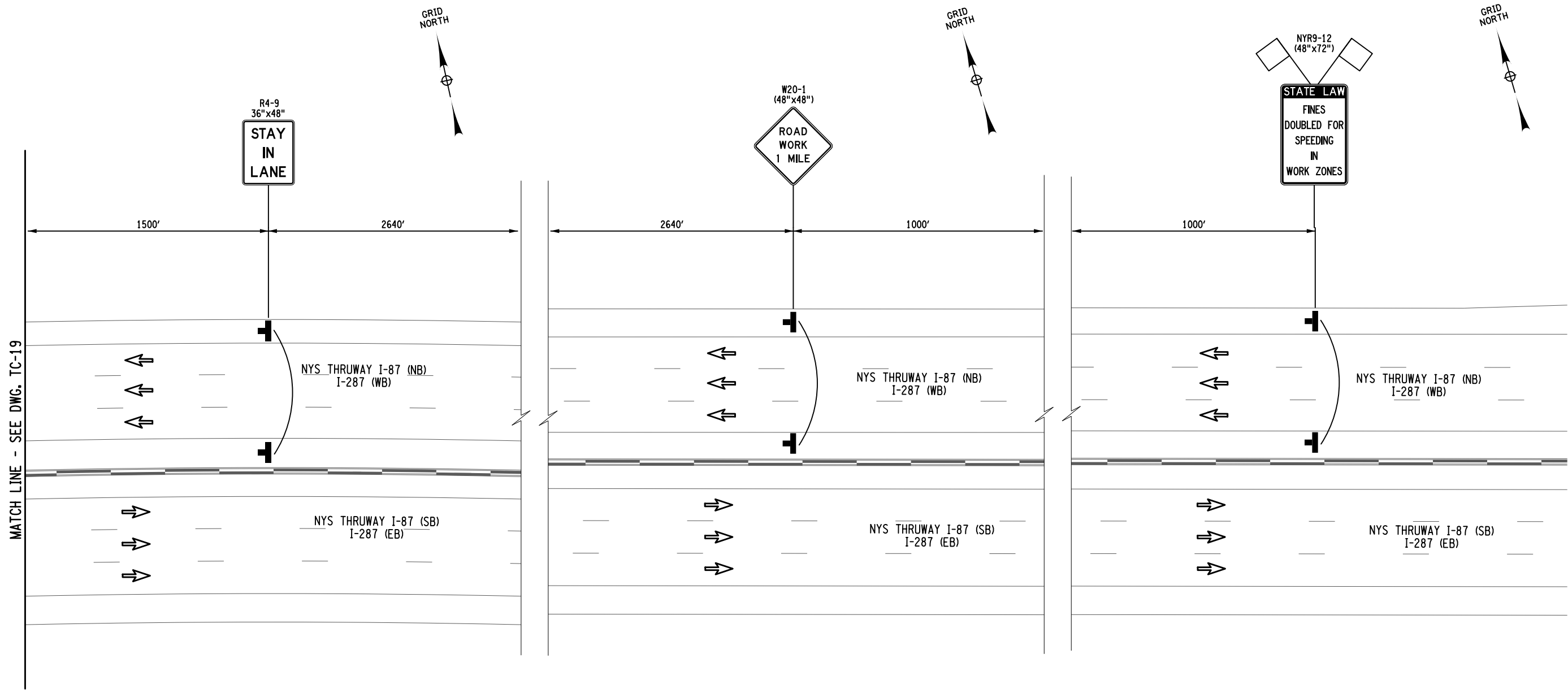
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-19



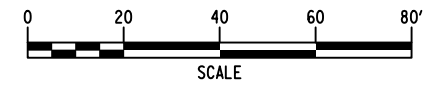
FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)

LEGEND

- WORK SPACE
- TEMPORARY BARRIER
- CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
- TEMPORARY SIGN, ITEM 619.01
- TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
- COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT & RESTORATION AREA



ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024

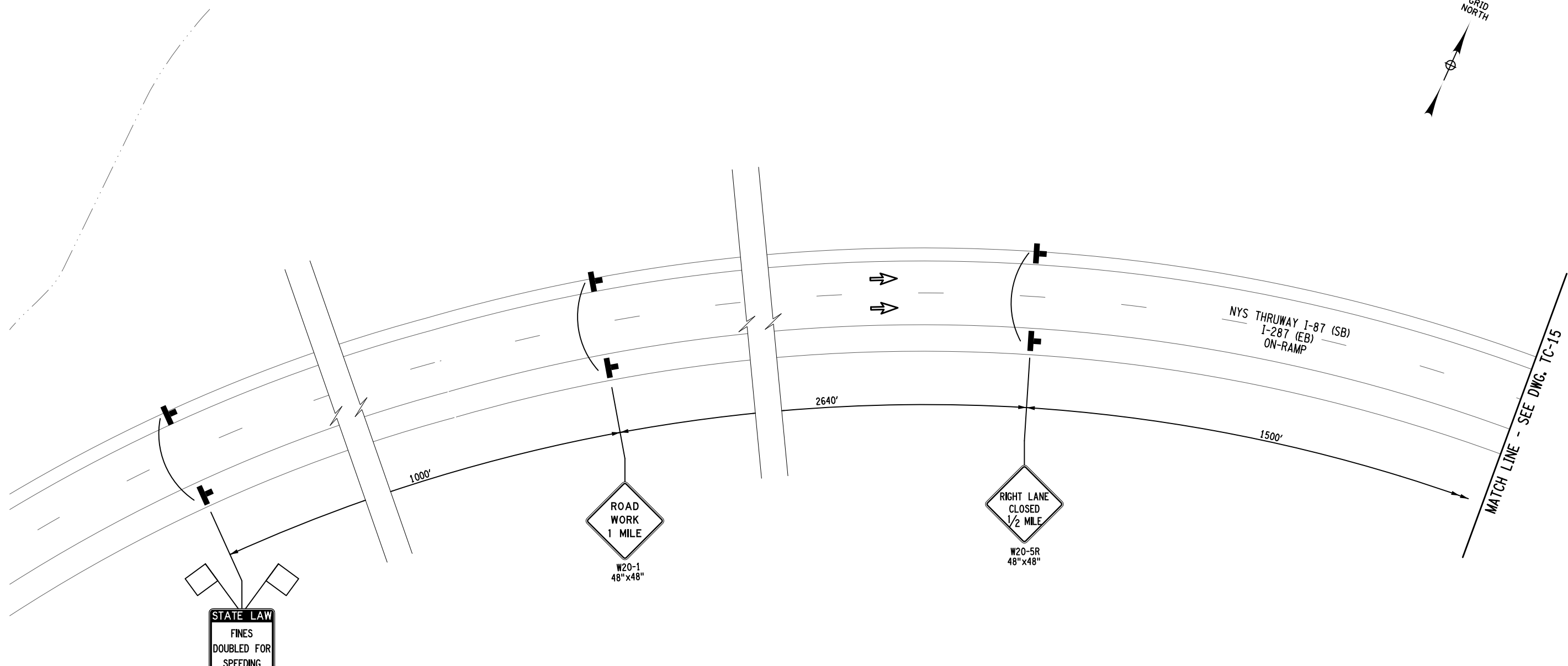
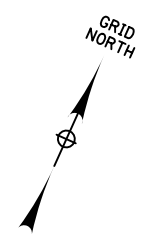
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY
Thruway Authority

JMT

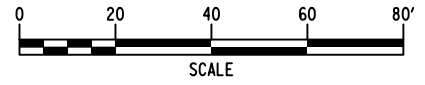
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-20



WORK ZONE TRAFFIC CONTROL PLAN - ADVANCED SIGNAGE (STAGES 2 TO 5)

STATE LAW
FINES
DOUBLED FOR
SPEEDING
IN
WORK ZONES
NYR9-12
(48"x72")

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	DIRECTION OF TRAFFIC
	TEMPORARY PAVEMENT & RESTORATION AREA



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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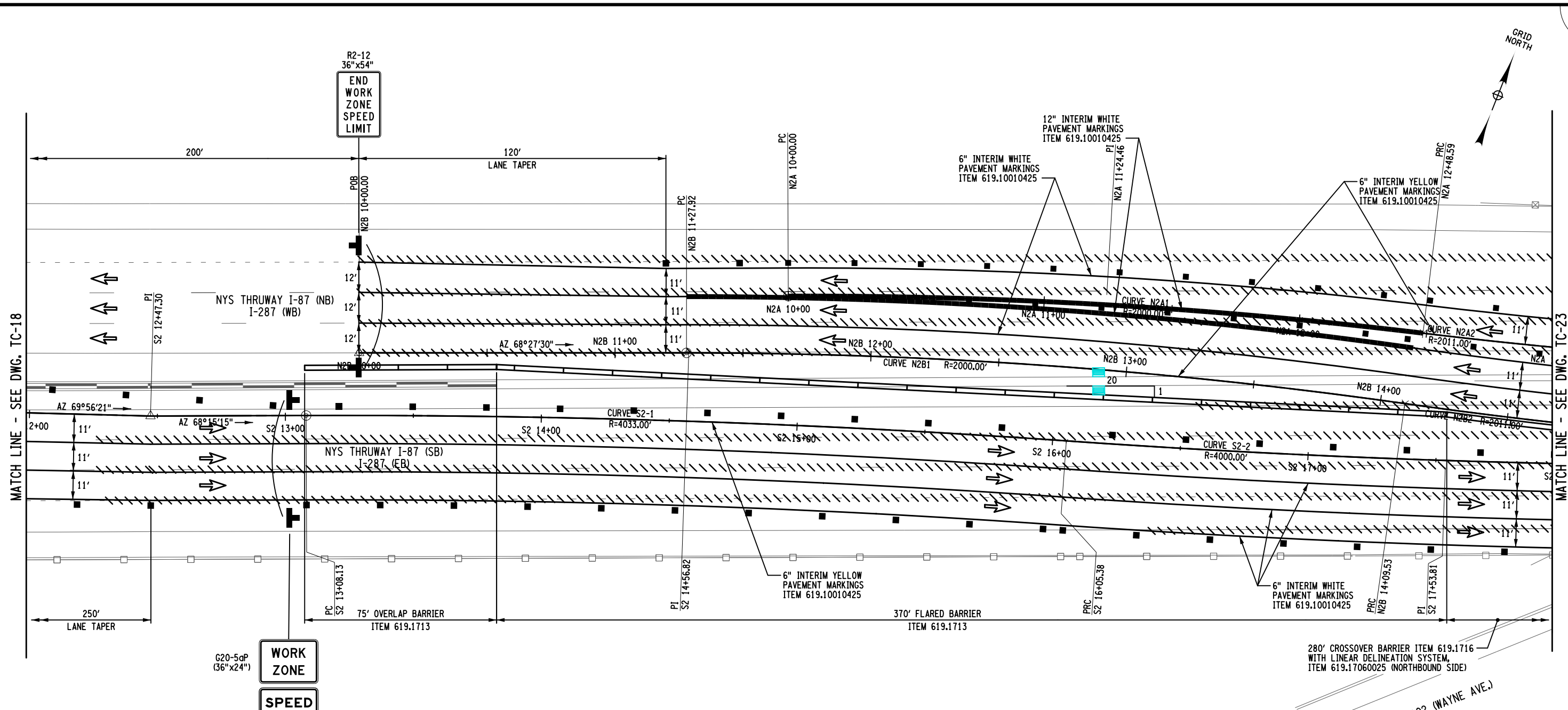
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



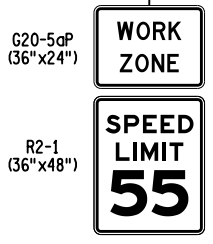
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PLANS - ADVANCED SIGNAGE (STAGES 2 TO 5)	DRAWING NUMBER: TC-21

FILE NAME = _____
DESIGN SUPERVISOR M. COLLINGWOOD
DATE/TIME = 15-MAY-2024 20:01
DESIGN R. JABLONSKI
USER = jmtpx11-pr-svc
CHECK M. COLLINGWOOD
DRAFTING T. BURTNICK
CHECK M. COLLINGWOOD
M. COLLINGWOOD

FILE NAME = DATE/TIME = 15-MAY-2024 19:59 USER = jmtpe11-pr-svc
 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2



LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N2A1
PC = STA. N2A 10+00.00
PRC = STA. N2A 12+48.59
R = 2000.00'
L = 248.59'
T = 124.46'
Δ = 07°-07'-18"
emax = N.C.

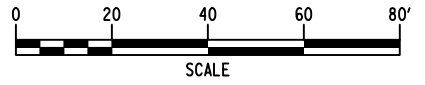
CURVE N2A2
PRC = STA. N2A 12+48.59
PT = STA. N2A 14+98.83
R = 2011.00'
L = 250.24'
T = 125.28'
Δ = 07°-07'-47"
emax = N.C.

CURVE N2B1
PC = STA. N2B 11+27.92
PRC = STA. N2B 14+09.53
R = 2000.00'
L = 281.61'
T = 141.04'
Δ = 08°-04'-03"
emax = N.C.

CURVE N2B2
PRC = STA. N2B 14+09.53
PT = STA. N2B 17+00.82
R = 2011.00'
L = 291.29'
T = 145.90'
Δ = 08°-17'-57"
emax = N.C.

CURVE S2-1
PC = STA. S2 13+08.13
PRC = STA. S2 16+05.38
R = 4033.00'
L = 297.25'
T = 148.69'
Δ = 04°-13'-22"
emax = N.C.

CURVE S2-2
PRC = STA. S2 16+05.38
PT = STA. S2 19+02.11
R = 4000.00'
L = 296.73'
T = 148.43'
Δ = 04°-15'-01"
emax = N.C.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



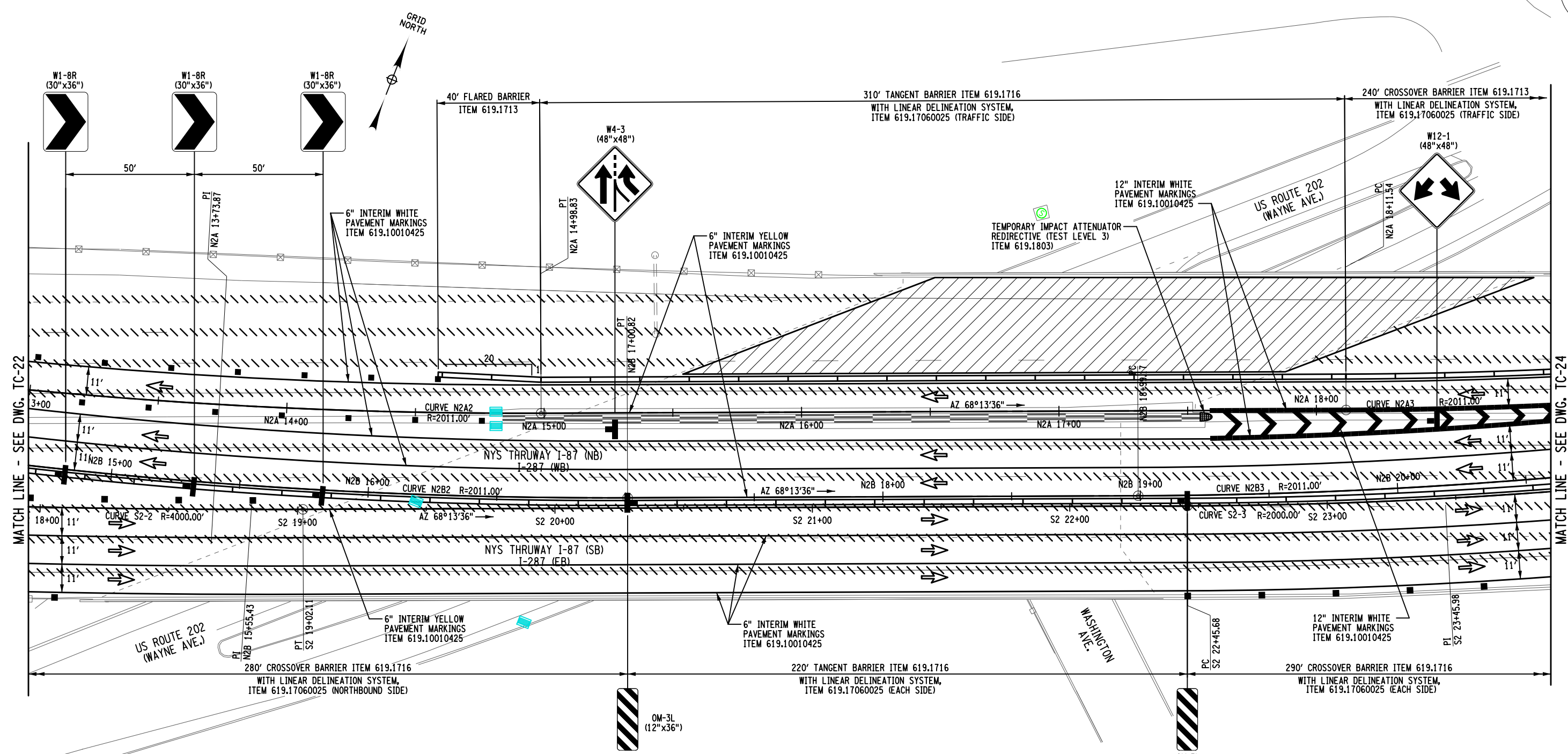
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 2 PLANS (1 OF 3)	DRAWING NUMBER: TC-22

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpw11-pr-svc



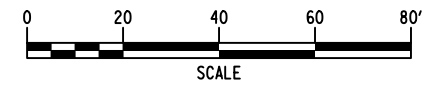
MATCH LINE - SEE DWG. TC-22

MATCH LINE - SEE DWG. TC-24

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

CURVE N2A2	CURVE N2A3	CURVE N2B2	CURVE N2B3	CURVE S2-2	CURVE S2-3
PRC = STA. N2A 12+48.59 PT = STA. N2A 14+98.83 R = 2011.00' L = 250.24' T = 125.28' Δ = 07°-07'-47" emax = N.C.	PC = STA. N2A 18+11.54 PT = STA. N2A 20+57.48 R = 2011.00' L = 245.94' T = 123.12' Δ = 07°-00'-26" emax = N.C.	PRC = STA. N2B 14+09.53 PT = STA. N2B 17+00.82 R = 2011.00' L = 291.29' T = 145.90' Δ = 08°-17'-57" emax = N.C.	PC = STA. N2B 18+99.17 PT = STA. N2B 21+87.38 R = 2011.00' L = 288.21' T = 144.35' Δ = 08°-12'-42" emax = N.C.	PRC = STA. S2 16+05.38 PT = STA. S2 19+02.11 R = 4000.00' L = 296.73' T = 148.43' Δ = 04°-15'-01" emax = N.C.	PC = STA. S2 22+45.68 PT = STA. S2 24+46.12 R = 2000.00' L = 200.44' T = 100.30' Δ = 05°-44'-31" emax = N.C.



ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



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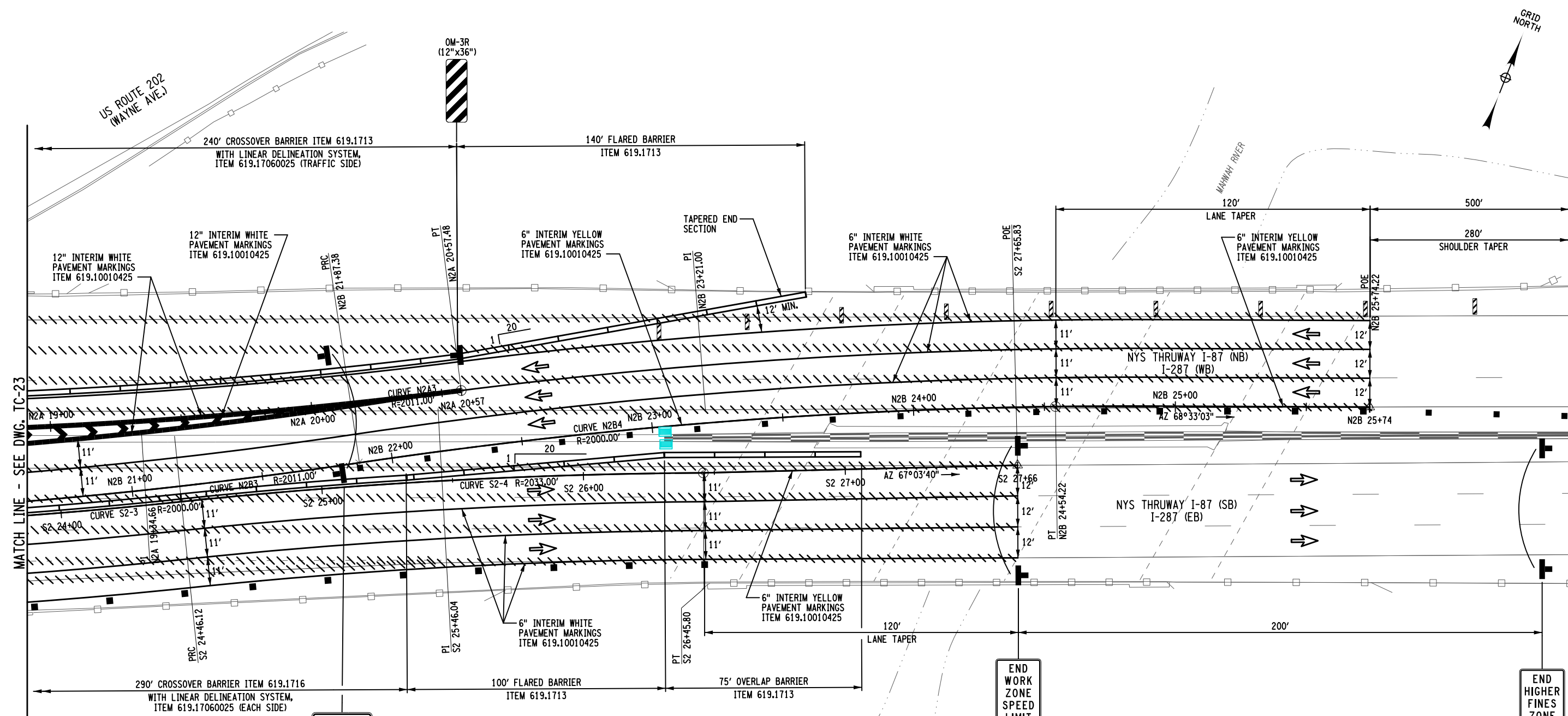
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 2 PLANS (2 OF 3)	DRAWING NUMBER: TC-23

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 19:59
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmprt11-pr-svc
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. COLLINGWOOD

31
121



WORK ZONE
G20-5aP (36"x24")

SPEED LIMIT 55
R2-1 (36"x48")

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N2A3
PC = STA. N2A 18+11.54
PT = STA. N2A 20+57.48
R = 2011.00'
L = 245.94'
T = 123.12'
Δ = 07°-00'-26"
emax = N.C.

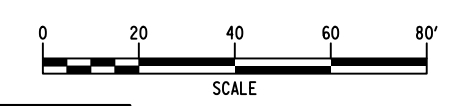
CURVE N2B3
PC = STA. N2B 18+99.17
PT = STA. N2B 21+87.38
R = 2011.00'
L = 288.21'
T = 144.35'
Δ = 08°-12'-42"
emax = N.C.

CURVE N2B4
PRC = STA. N2B 21+87.38
PT = STA. N2B 24+90.96
R = 2000.00'
L = 303.58'
T = 152.08'
Δ = 08°-41'-49"
emax = N.C.

CURVE S2-3
PC = STA. S2 22+45.68
PRC = STA. S2 24+46.12
R = 2000.00'
L = 200.44'
T = 100.30'
Δ = 08°-41'-31"
emax = N.C.

CURVE S2-4
PRC = STA. S2 24+46.12
PT = STA. S2 26+45.80
R = 2033.00'
L = 199.69'
T = 99.92'
Δ = 05°-37'-40"
emax = N.C.

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



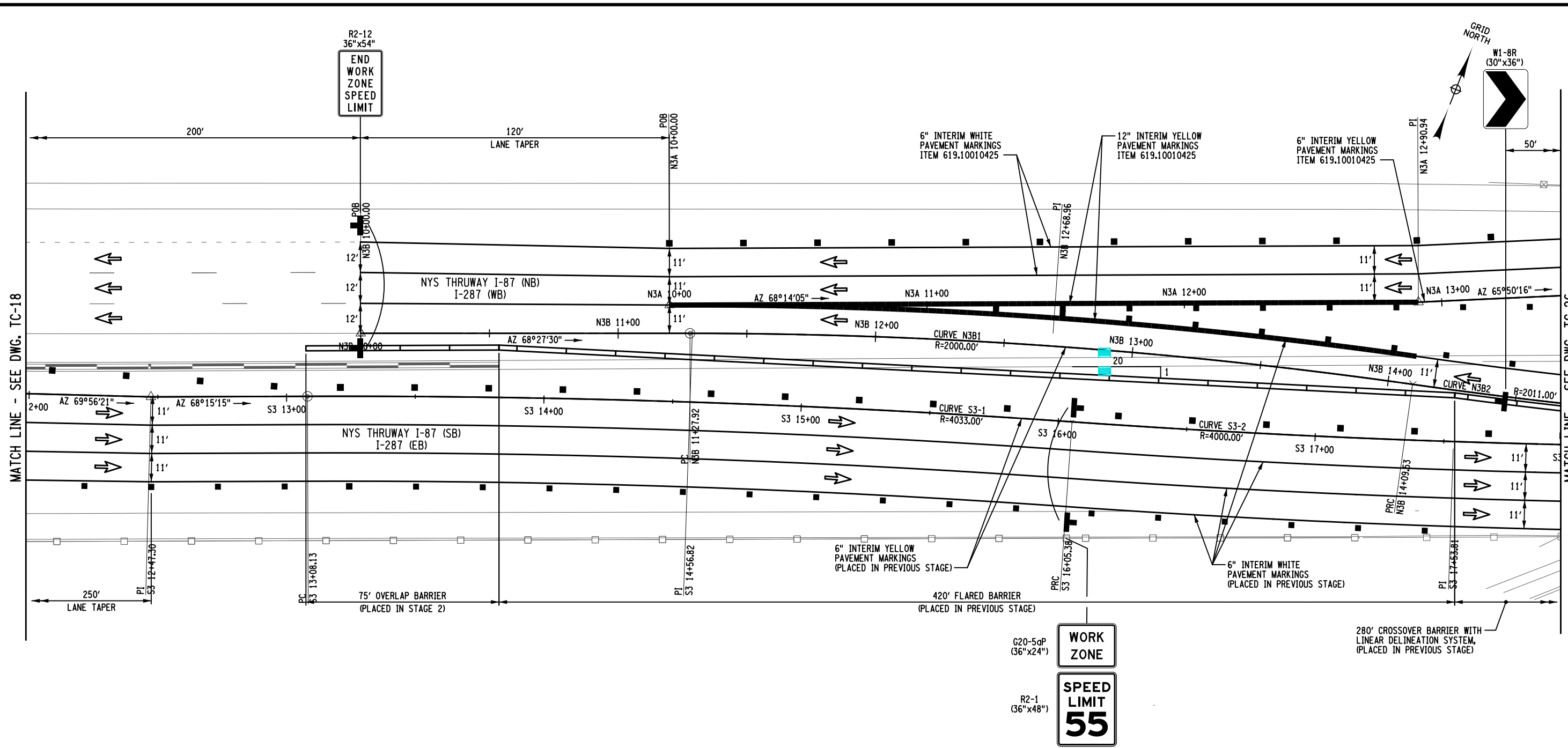
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 2 PLANS (3 OF 3)	DRAWING NUMBER: TC-24

FILE NAME = DATE/TIME = 15-MAY-2024 20:01 USER = jmpw11-pr-svc CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD DESIGN R. JABLONSKI DESIGN SUPERVISOR M. COLLINGWOOD



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 3

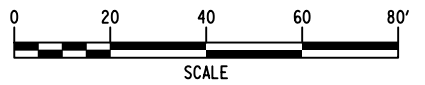
LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N3B1
PC = STA. N3B 11+27.92
PRC = STA. N3B 14+09.53
R = 2000.00'
L = 281.61'
T = 141.04'
Δ = 08°-04'-03"
emax = N.C.

CURVE N3B2
PC = STA. N3B 14+09.53
PT = STA. N3B 17+00.82
R = 2011.00'
L = 291.29'
T = 145.90'
Δ = 08°-17'-57"
emax = N.C.

CURVE S3-1
PC = STA. S3 13+08.13
PRC = STA. S3 16+05.38
R = 4033.00'
L = 297.25'
T = 148.69'
Δ = 04°-13'-23"
emax = N.C.

CURVE S3-2
PC = STA. S3 16+05.38
PT = STA. S3 19+02.11
R = 4000.00'
L = 296.73'
T = 148.43'
Δ = 04°-15'-01"
emax = N.C.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



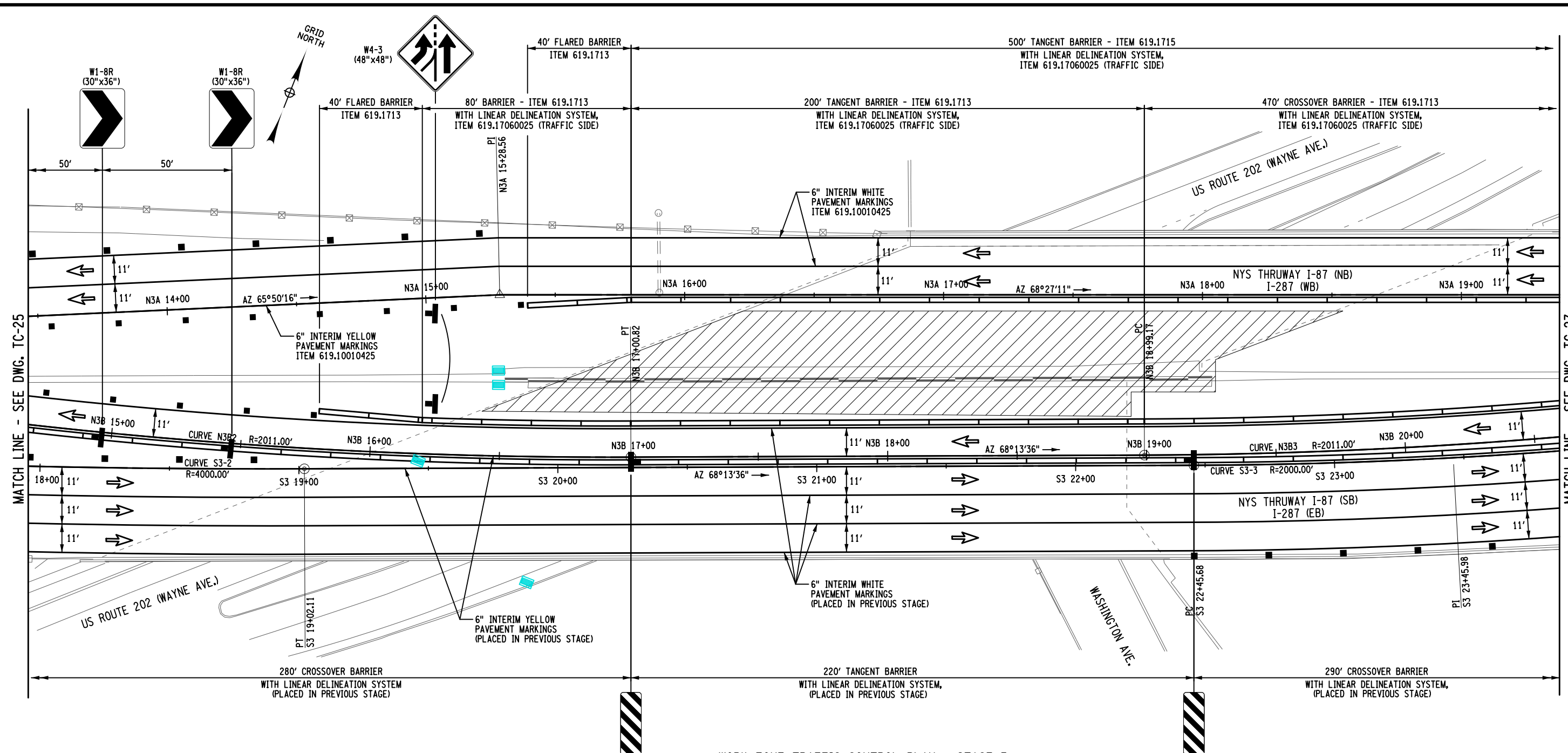
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 3 PLANS (1 OF 3)	DRAWING NUMBER: TC-25

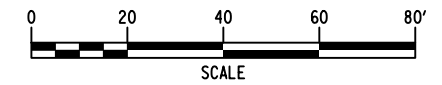
FILE NAME = DATE/TIME = 15-MAY-2024 20:00 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmpw11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 3

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N3B2	CURVE N3B3	CURVE S3-2	CURVE S3-3
PRC = STA. N3B 14+09.53	PRC = STA. N3B 18+99.17	PRC = STA. S3 16+05.38	PC = STA. S3 22+45.68
PT = STA. N3B 17+00.82	PT = STA. N3B 21+87.38	PT = STA. S3 19+02.11	PRC = STA. S3 24+46.12
R = 2011.00'	R = 2011.00'	R = 4000.00'	R = 2000.00'
L = 291.29'	L = 288.21'	L = 296.73'	L = 200.44'
T = 145.90'	T = 144.35'	T = 148.43'	T = 100.30'
$\Delta = 08^{\circ}-17'-57''$	$\Delta = 08^{\circ}-12'-42''$	$\Delta = 04^{\circ}-15'-01''$	$\Delta = 05^{\circ}-44'-31''$
emax = N.C.	emax = N.C.	emax = N.C.	emax = N.C.



ALTERED BY: _____ ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

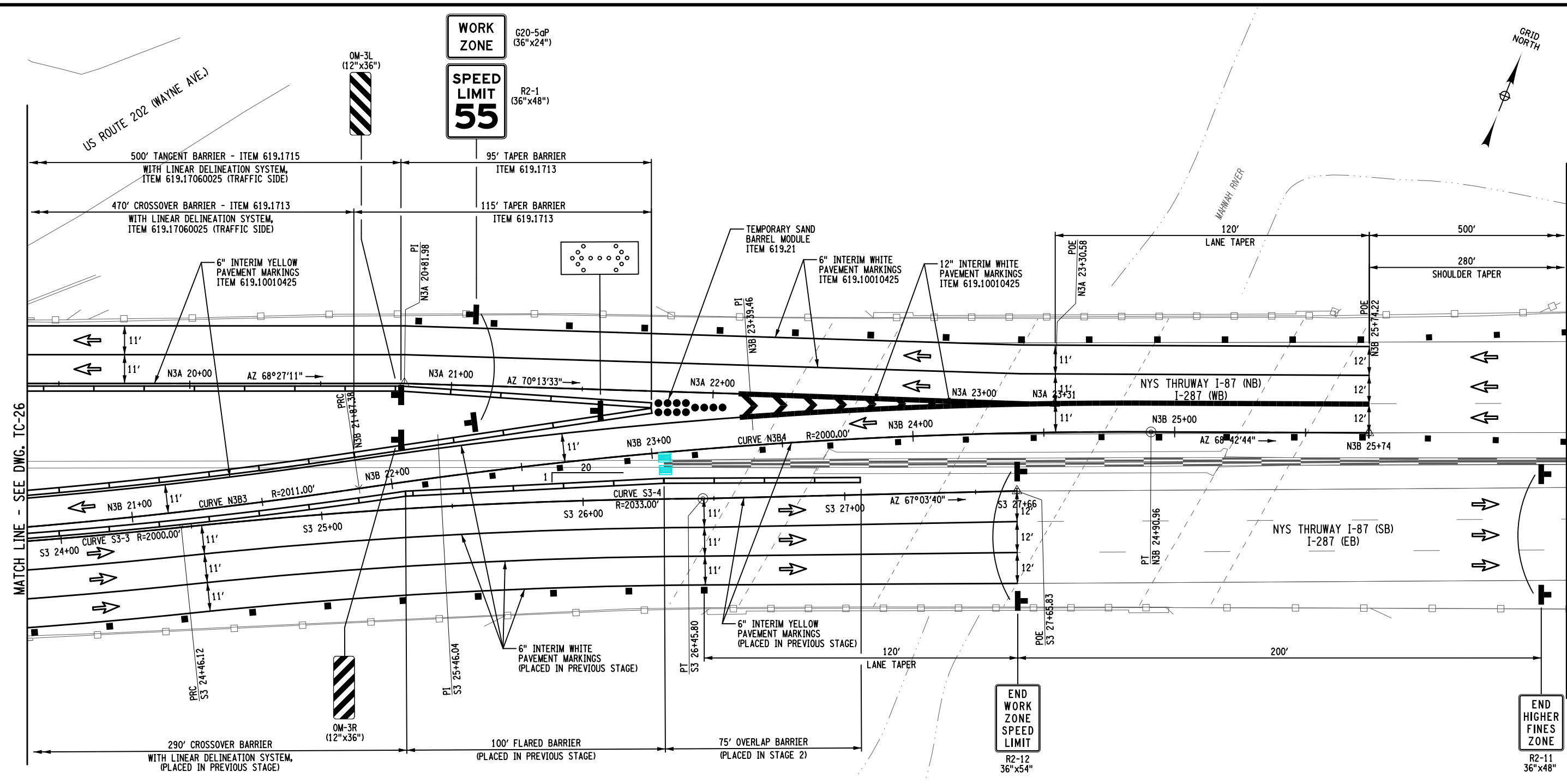
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 3 PLANS (2 OF 3)	DRAWING NUMBER: TC-26

FILE NAME = DATE/TIME = 15-MAY-2024 20:00 USER = jmtpr11-prsvic CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD DESIGN R. JABLONSKI

34 121



MATCH LINE - SEE DWG. TC-26

MATCH LINE - SEE DWG. TC-19

ALTERED BY: ON:

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD ON: 05/15/2024

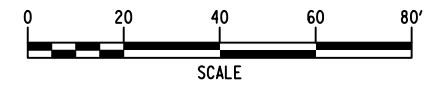


LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

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

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 3

CURVE N3B3	CURVE N3B4	CURVE S3-3	CURVE S3-4
PRC = STA. N3B 18+99.17	PRC = STA. N3B 21+87.38	PC = STA. S3 22+45.68	PC = STA. S3 24+46.12
PT = STA. N3B 21+87.38	PT = STA. N3B 24+90.96	PRC = STA. S3 24+46.12	PT = STA. S3 26+45.80
R = 2011.00'	R = 2000.00'	R = 2000.00'	R = 2033.00'
L = 288.21'	L = 303.58'	L = 200.44'	L = 199.69'
T = 144.35'	T = 152.08'	T = 100.30'	T = 99.92'
$\Delta = 08^{\circ}-12'-42''$	$\Delta = 08^{\circ}-41'-49''$	$\Delta = 05^{\circ}-44'-31''$	$\Delta = 05^{\circ}-37'-40''$
emax = N.C.	emax = N.C.	emax = N.C.	emax = N.C.

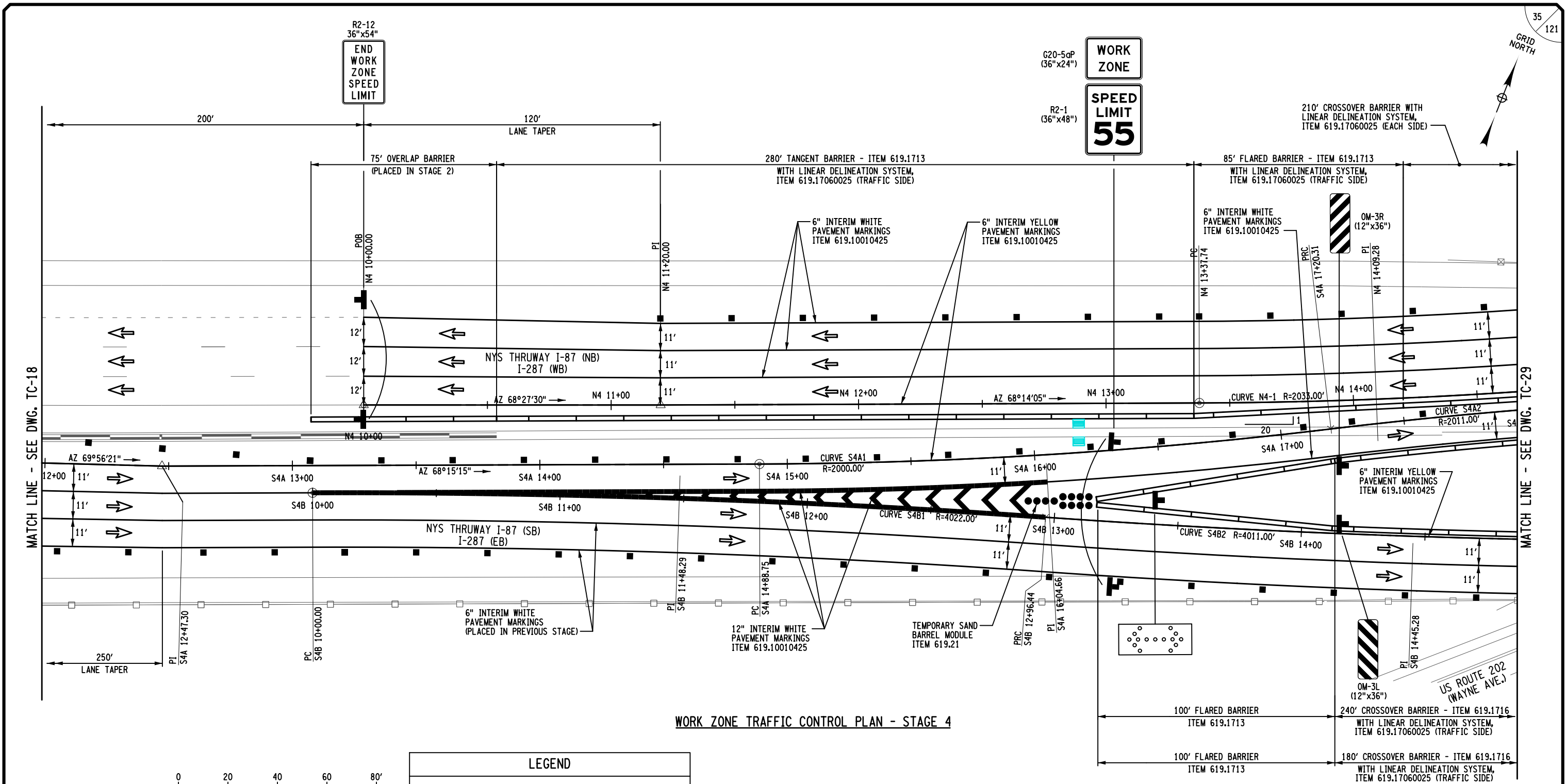


REVISIONS			
DATE	DESCRIPTION	BY	SYM.

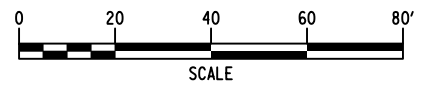


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 3 PLANS (3 OF 3)	DRAWING NUMBER: TC-27

FILE NAME = DATE/TIME = 15-MAY-2024 20:01 USER = jmtpx11-pr-svc CHECK R. JABLONSKI DESIGN M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD M. COLLINGWOOD



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4



LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N4-1
PC = STA. N4 13+37.74
PRC = STA. N4 14+80.77
R = 2033.00'
L = 143.03'
T = 71.54'
Δ = 04°-01'-52"
emax = N.C.

CURVE S4A1
PC = STA. S4A 14+88.75
PRC = STA. S4A 17+20.31
R = 2000.00'
L = 231.56'
T = 115.91'
Δ = 06°-38'-01"
emax = N.C.

CURVE S4A2
PRC = STA. S4A 17+20.31
PT = STA. S4A 19+60.12
R = 2011.00'
L = 239.82'
T = 120.05'
Δ = 06°-49'-58"
emax = N.C.

CURVE S4B1
PC = STA. S4B 10+00.00
PRC = STA. S4B 12+96.44
R = 4022.00'
L = 296.44'
T = 148.29'
Δ = 04°-13'-23"
emax = N.C.

CURVE S4B2
PC = STA. S4B 12+96.44
PT = STA. S4B 15+93.99
R = 4011.00'
L = 297.55'
T = 148.84'
Δ = 04°-15'-01"
emax = N.C.

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



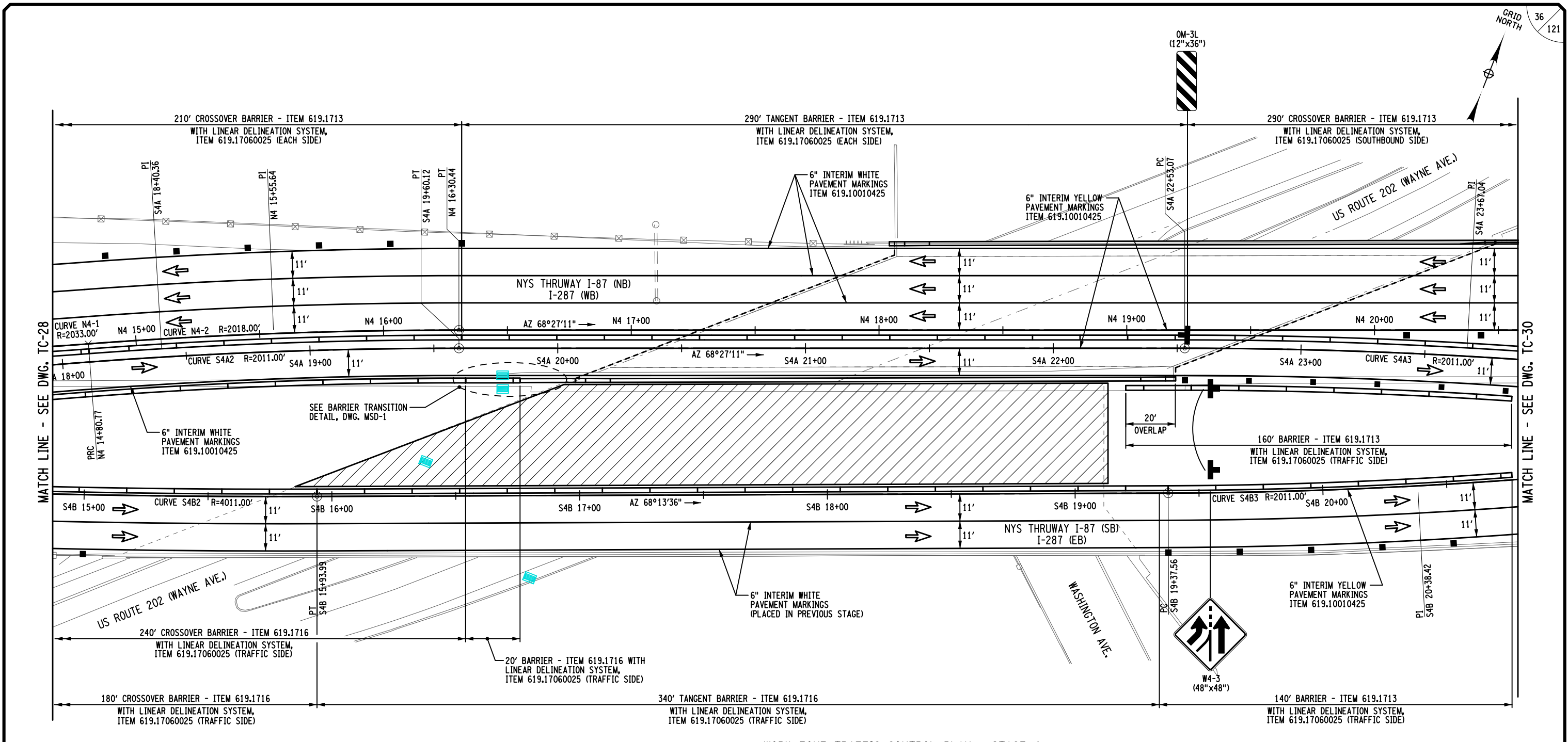
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 4 PLANS (1 OF 3)	DRAWING NUMBER: TC-28

FILE NAME = DATE/TIME = 15-MAY-2024 20:00 USER = jmtpr11-pr-svc M. COLLINGWOOD R. JABLONSKI M. COLLINGWOOD T. BURTNICK M. COLLINGWOOD M. COLLINGWOOD



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

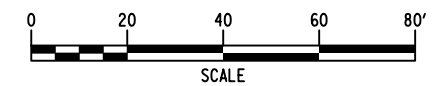
CURVE N4-2
PRC = STA. N4 14+80.77
PT = STA. N4 16+30.44
R = 2018.00'
L = 149.67'
T = 74.87'
Δ = 04°-14'-58"
emax = N.C.

CURVE S4A2
PRC = STA. S4A 17+20.31
PT = STA. S4A 19+60.12
R = 2011.00'
L = 239.82'
T = 120.05'
Δ = 06°-49'-58"
emax = N.C.

CURVE S4A3
PC = STA. S4A 22+53.07
PRC = STA. S4A 24+80.76
R = 2011.00'
L = 227.69'
T = 113.97'
Δ = 06°-29'-14"
emax = N.C.

CURVE S4B2
PC = STA. S4B 12+96.44
PT = STA. S4B 15+93.99
R = 4011.00'
L = 297.55'
T = 148.84'
Δ = 04°-15'-01"
emax = N.C.

CURVE S4B3
PC = STA. S4B 19+37.56
PRC = STA. S4B 21+39.10
R = 2011.00'
L = 201.54'
T = 100.85'
Δ = 05°-44'-31"
emax = N.C.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

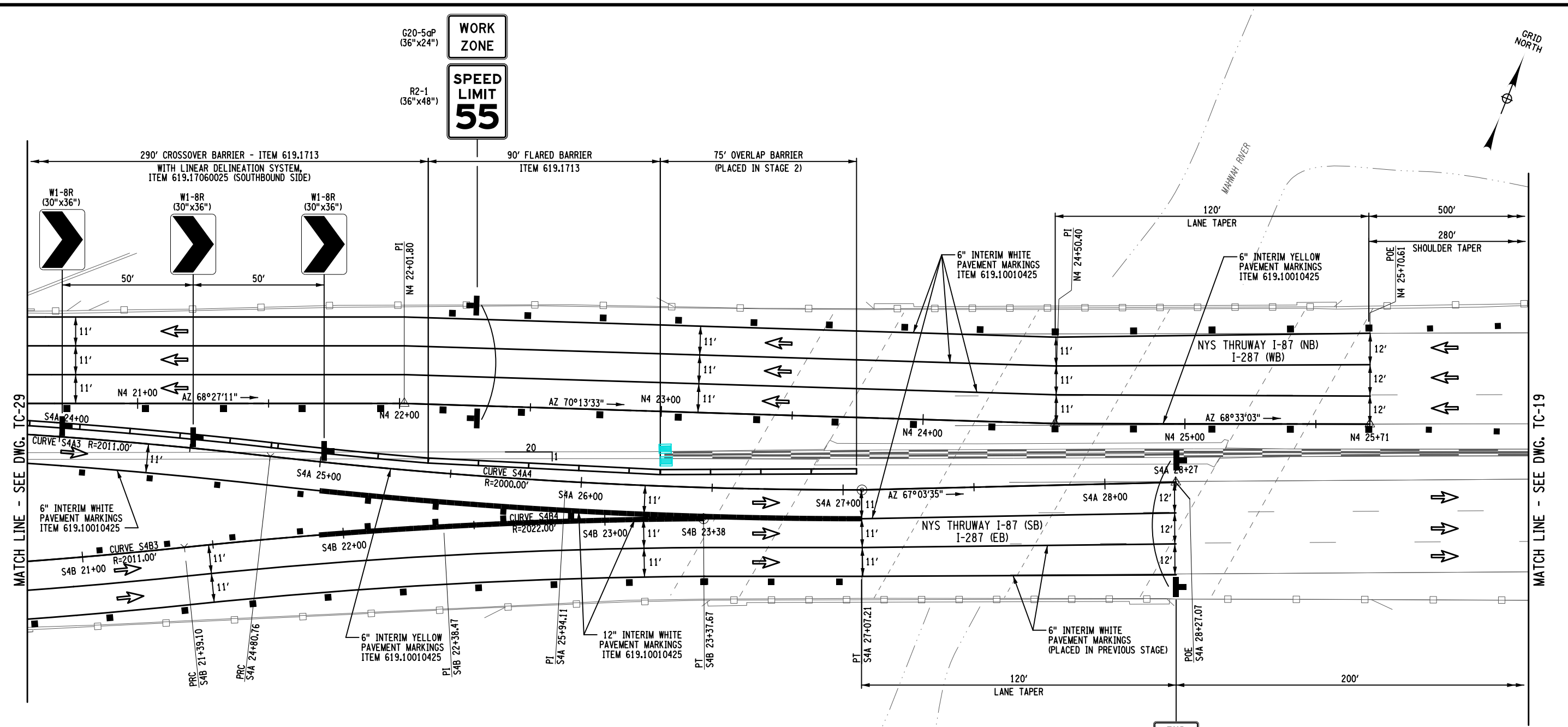
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 4 PLANS (2 OF 3)	DRAWING NUMBER: TC-29

FILE NAME = DATE/TIME = 15-MAY-2024 20:01 USER = jmpw11-pr-svc CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD DESIGN R. JABLONSKI

37
121



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

END WORK ZONE SPEED LIMIT
R2-12
36"x54"

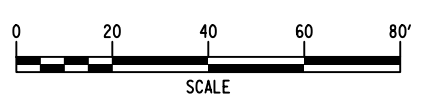
LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE S4A3
PC = STA. S4A 22+53.07
PRC = STA. S4A 24+80.76
R = 2011.00'
L = 227.69'
T = 113.97'
Δ = 06°-29'-14"
emax = N.C.

CURVE S4A4
PRC = STA. S4A 24+80.76
PT = STA. S4A 27+07.21
R = 2000.00'
L = 226.44'
T = 113.34'
Δ = 06°-29'-14"
emax = N.C.

CURVE S4B3
PC = STA. S4B 21+37.56
PRC = STA. S4B 21+39.10
R = 2011.00'
L = 201.54'
T = 100.85'
Δ = 05°-44'-31"
emax = N.C.

CURVE S4B4
PRC = STA. S4B 21+39.10
PT = STA. S4B 23+37.67
R = 2022.00'
L = 198.57'
T = 99.37'
Δ = 05°-37'-37"
emax = N.C.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



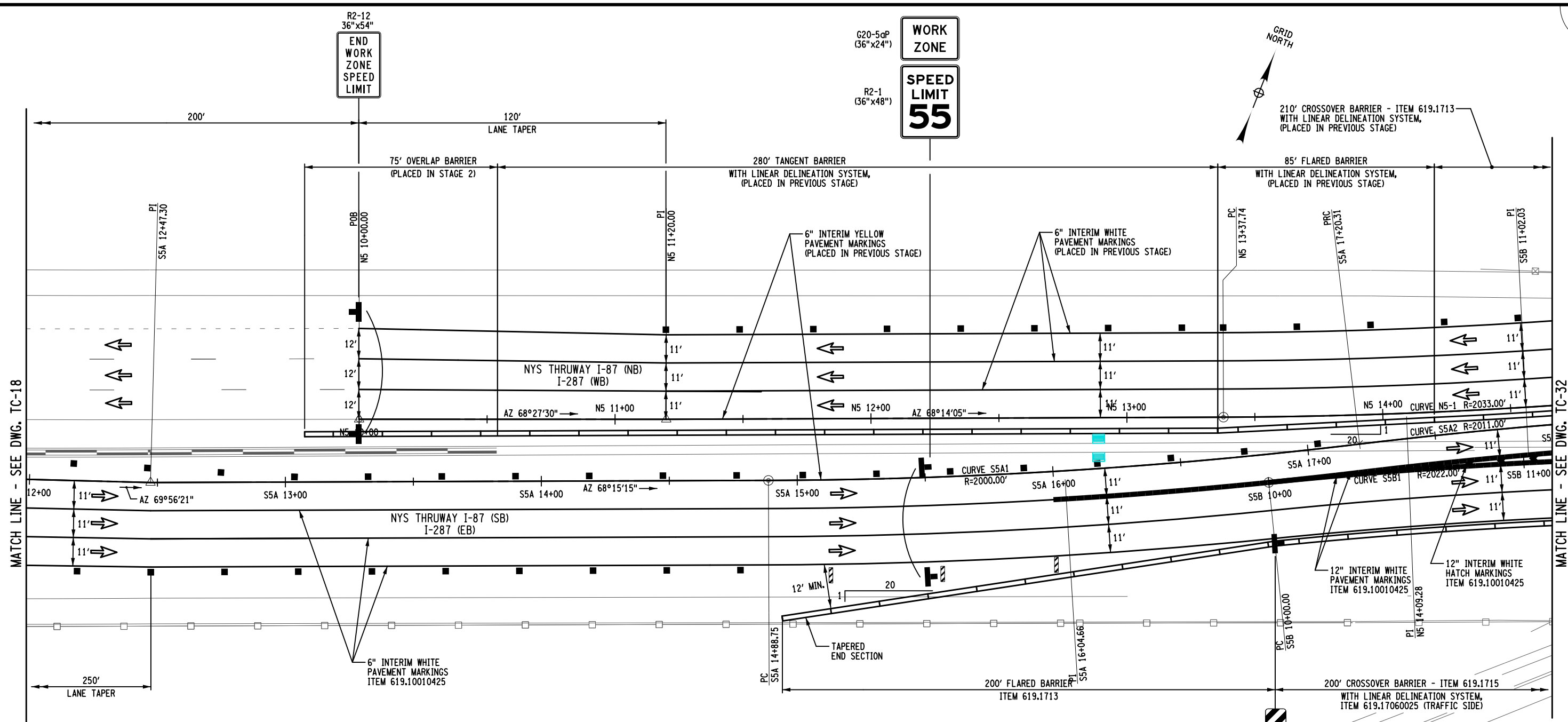
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 4 PLANS (3 OF 3)	DRAWING NUMBER: TC-30

FILE NAME = DATE/TIME = 15-MAY-2024 20:01 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpr11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

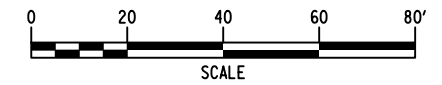
LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N5-1
PC = STA. N5 13+37.74
PRC = STA. N5 14+80.77
R = 2033.00'
L = 143.03'
T = 71.54'
Δ = 04°-01'-52"
emax = N.C.

CURVE S5A1
PC = STA. S5A 14+88.75
PRC = STA. S5A 17+20.31
R = 2000.00'
L = 231.56'
T = 115.91'
Δ = 06°-38'-01"
emax = N.C.

CURVE S5A2
PRC = STA. S5A 17+20.31
PT = STA. S5A 19+60.12
R = 2011.00'
L = 239.82'
T = 120.05'
Δ = 06°-49'-58"
emax = N.C.

CURVE S5B1
PC = STA. S5B 10+00.00
PT = STA. S5B 12+03.90
R = 2022.00'
L = 203.90'
T = 102.03'
Δ = 05°-46'-39"
emax = N.C.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

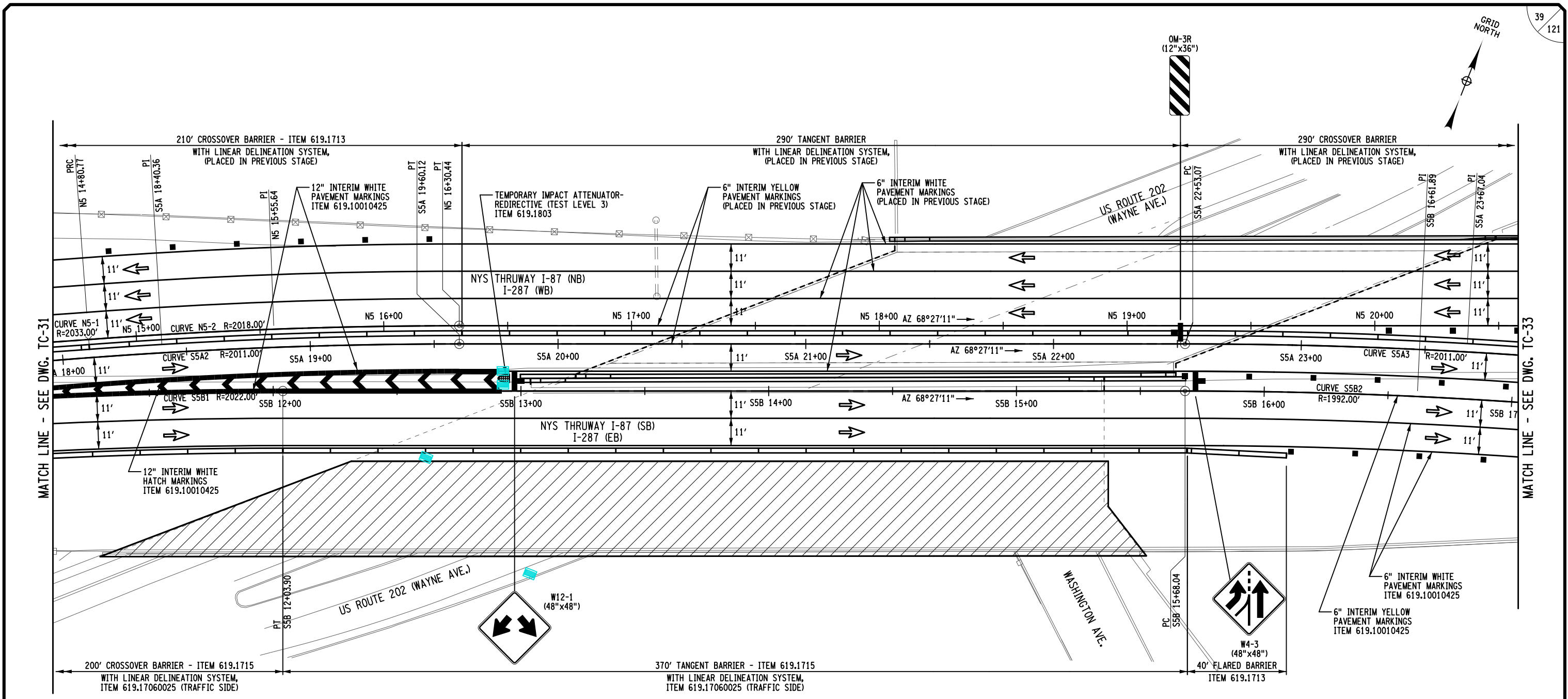


TITLE OF PROJECT: REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER
LOCATION OF PROJECT: NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL - STAGE 5 PLANS (1 OF 3)

CONTRACT NUMBER: TANY 24-26B
DATE: 05/15/2024
DRAWING NUMBER: TC-31



FILE NAME = DATE/TIME = 15-MAY-2024 20:02 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmpw11-pr+svc



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE N5-1
PC = STA. N5 13+37.74
PT = STA. N5 14+80.77
R = 2033.00'
L = 143.03'
T = 71.54'
Δ = 04°-01'-52"
emax = N.C.

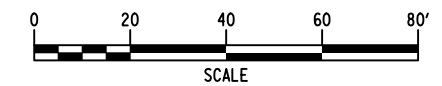
CURVE N5-2
PC = STA. N5 14+80.77
PT = STA. N5 16+30.44
R = 2018.00'
L = 149.67'
T = 74.87'
Δ = 04°-14'-58"
emax = N.C.

CURVE S5A2
PC = STA. S5A 17+20.31
PT = STA. S5A 19+60.12
R = 2011.00'
L = 239.82'
T = 120.05'
Δ = 04°-49'-58"
emax = N.C.

CURVE S5A3
PC = STA. S5A 22+53.07
PT = STA. S5A 24+80.76
R = 2011.00'
L = 227.69'
T = 113.97'
Δ = 06°-29'-14"
emax = N.C.

CURVE S5B1
PC = STA. S5B 10+00.00
PT = STA. S5B 12+03.90
R = 2022.00'
L = 203.90'
T = 102.03'
Δ = 05°-46'-39"
emax = N.C.

CURVE S5B2
PC = STA. S5B 15+68.04
PT = STA. S5B 17+55.60
R = 1992.00'
L = 187.56'
T = 93.85'
Δ = 05°-23'-41"
emax = N.C.



ALTERED BY: _____ ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD ON: 05/15/2024

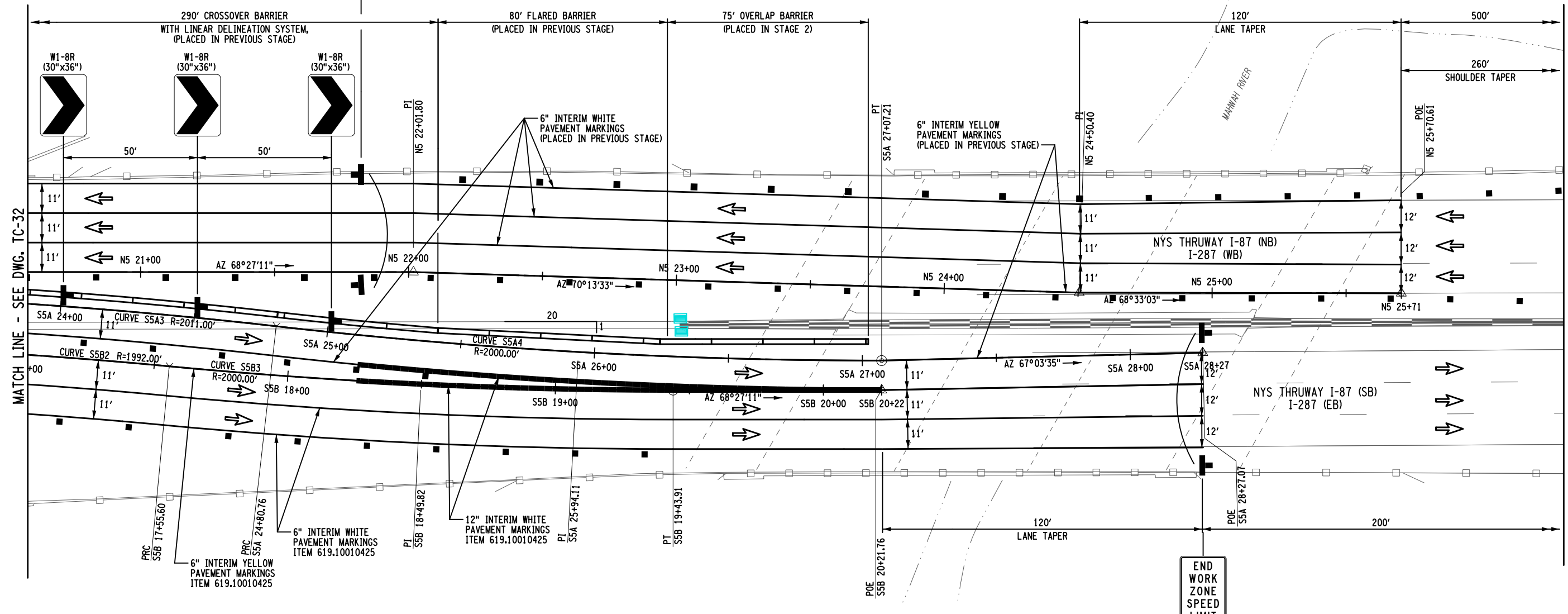
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 5 PLANS (2 OF 3)	DRAWING NUMBER: TC-32

FILE NAME = DATE/TIME = 15-MAY-2024 20:01 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpx11-pr-svc

WORK ZONE
SPEED LIMIT 55



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

END WORK ZONE SPEED LIMIT
R2-12
36"x54"

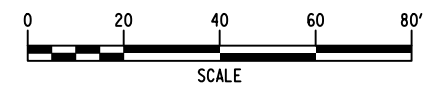
LEGEND	
	WORK SPACE
	TEMPORARY BARRIER
	CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	REMOVE PAVEMENT MARKINGS, ITEM 619.080102
	DIRECTION OF TRAFFIC

CURVE S5A3
PC = STA. S5A 22+53.07
PRC = STA. S5A 24+80.76
R = 2011.00'
L = 227.69'
T = 113.97'
Δ = 06°-29'-14"
emax = N.C.

CURVE S5A4
PC = STA. S5A 24+80.76
PT = STA. S5A 27+07.21
R = 2000.00'
L = 226.44'
T = 113.34'
Δ = 06°-29'-14"
emax = N.C.

CURVE S5B2
PC = STA. S5B 15+68.04
PRC = STA. S5B 17+55.60
R = 1992.00'
L = 187.56'
T = 93.85'
Δ = 05°-23'-41"
emax = N.C.

CURVE S5B3
PC = STA. S5B 17+55.60
PT = STA. S5B 19+43.91
R = 2000.00'
L = 188.31'
T = 94.22'
Δ = 05°-23'-41"
emax = N.C.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024

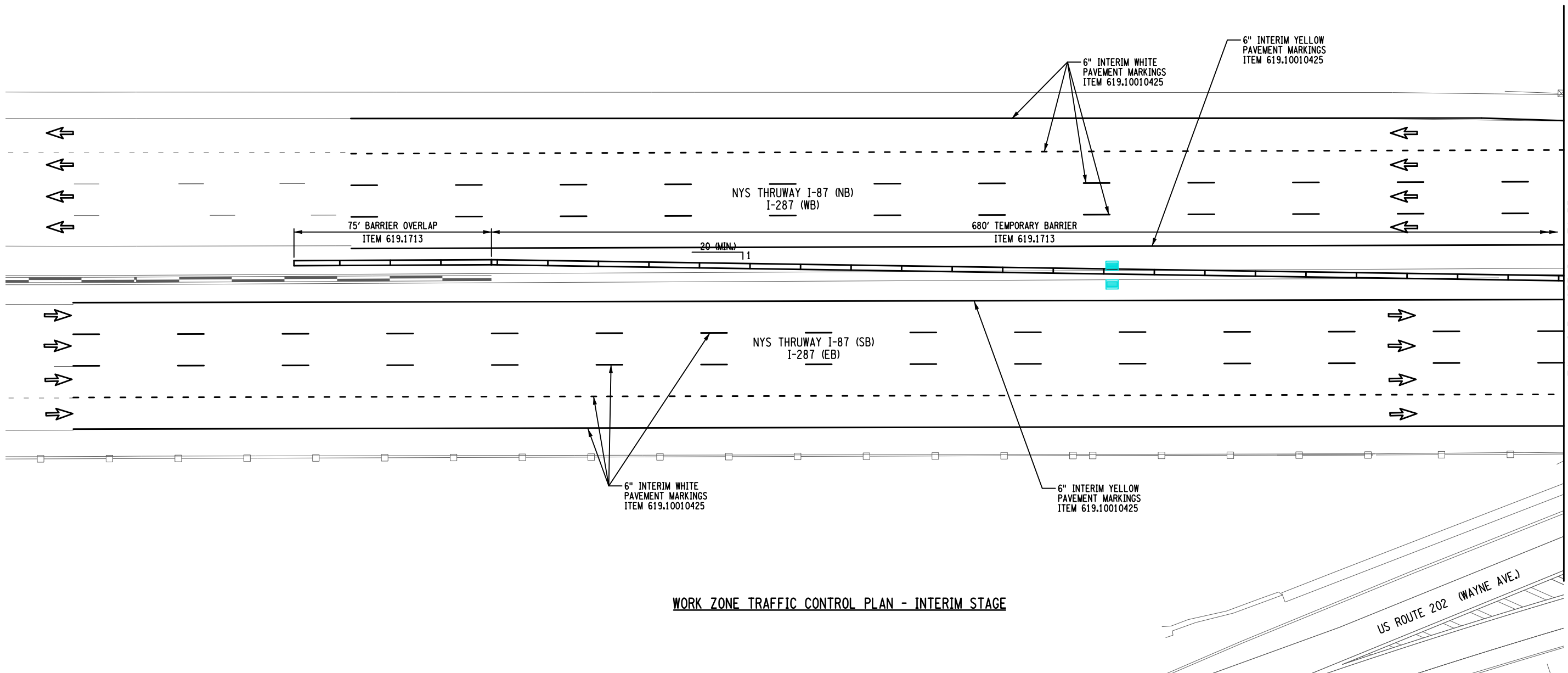
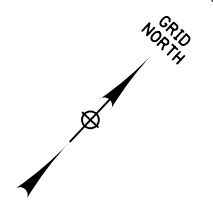


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

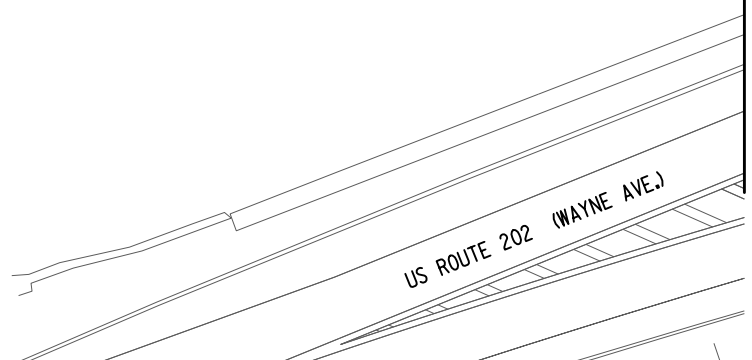


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - STAGE 5 PLANS (3 OF 3)	DRAWING NUMBER: TC-33



MATCH LINE - SEE DWG. TC-35

WORK ZONE TRAFFIC CONTROL PLAN - INTERIM STAGE



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:08
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpx11-pr-svc

ALTERED BY: _____
ON: _____

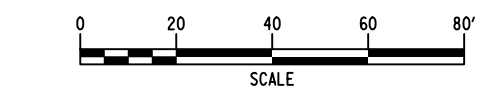
AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



LEGEND
 DIRECTION OF TRAFFIC

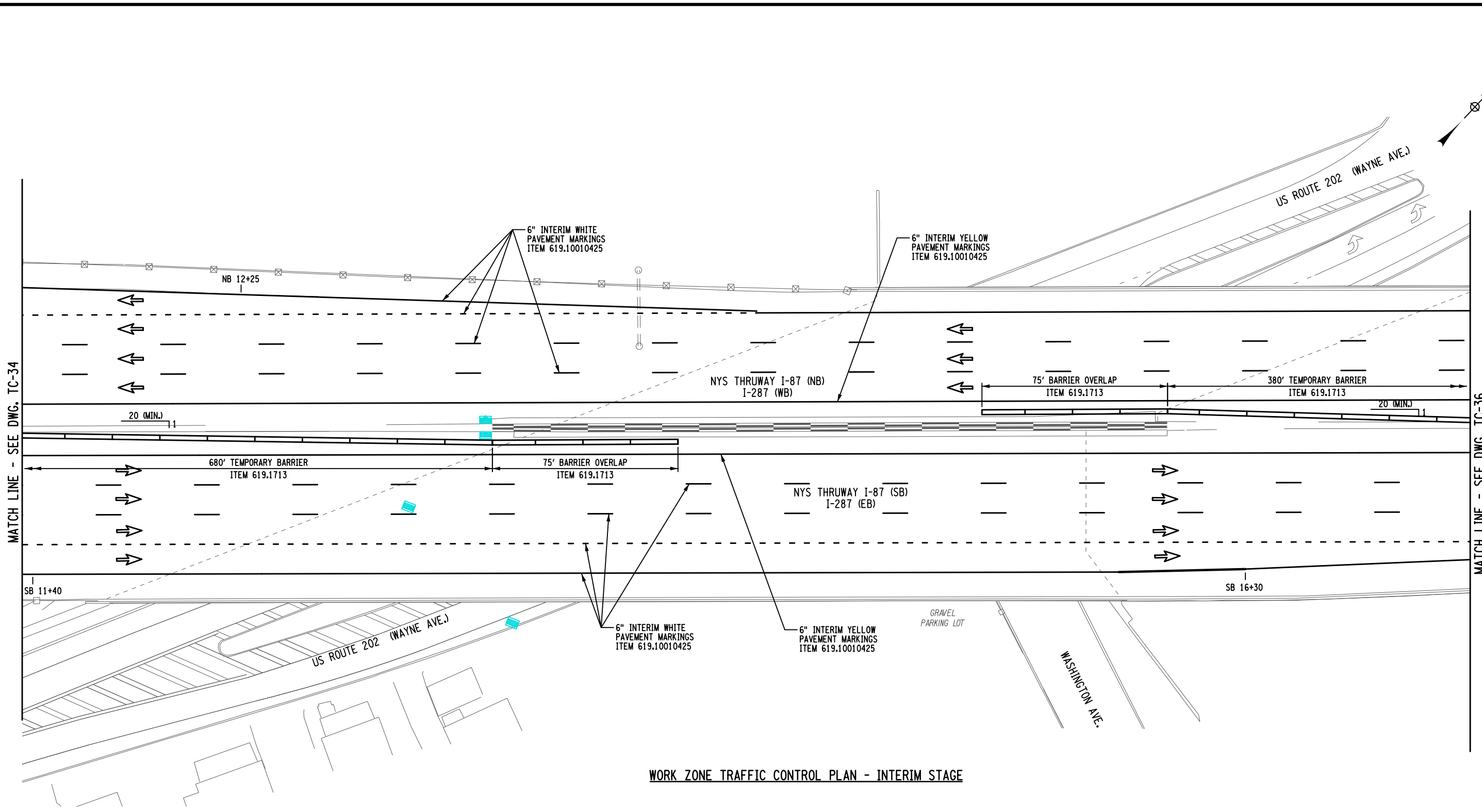
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - INTERIM STAGE (1 OF 3)	DRAWING NUMBER: TC-34

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:09
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD



WORK ZONE TRAFFIC CONTROL PLAN - INTERIM STAGE

ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



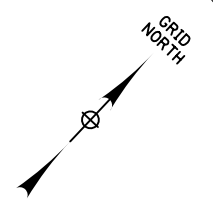
LEGEND
 ➔ DIRECTION OF TRAFFIC

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

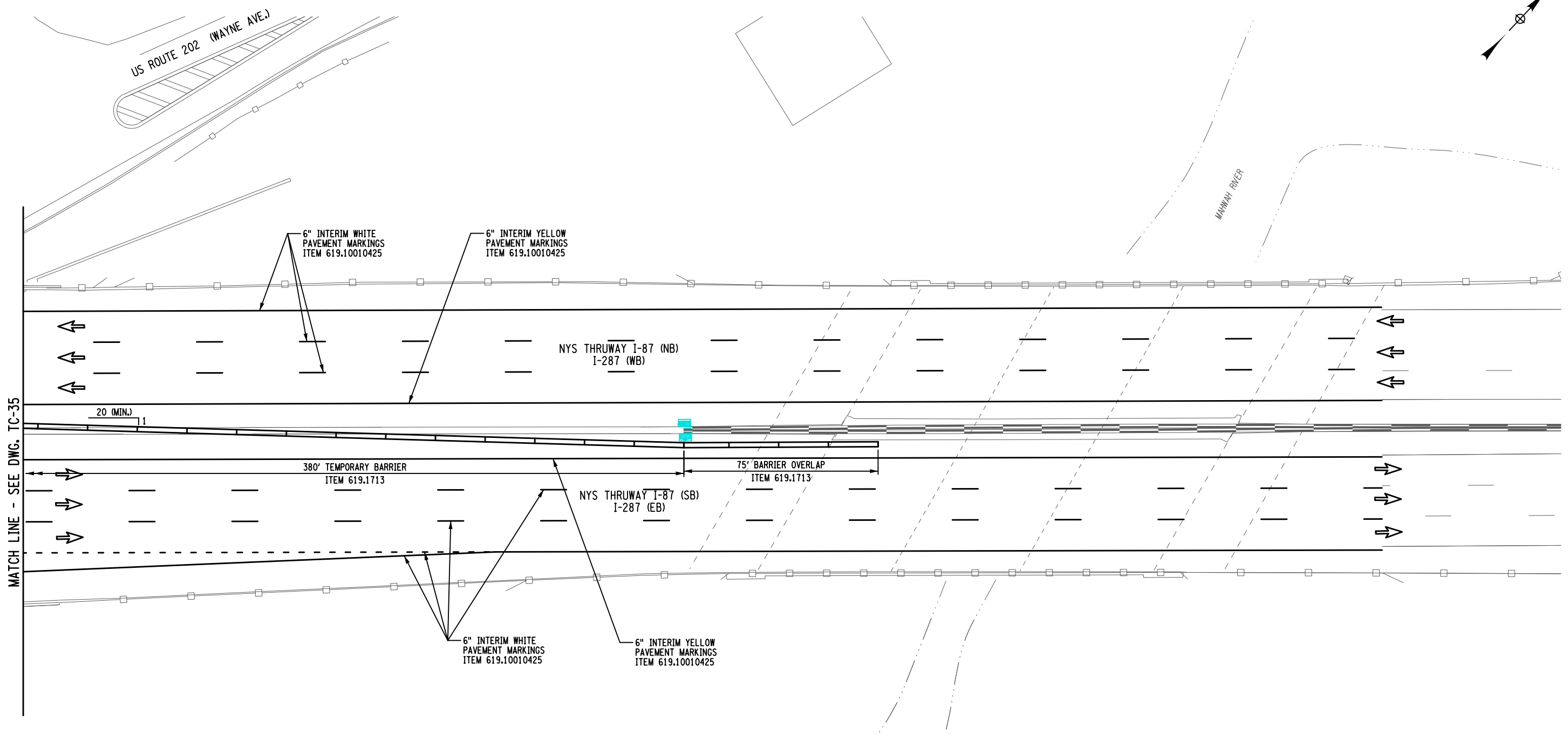
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - INTERIM STAGE (2 OF 3)	DRAWING NUMBER: TC-35



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:09
 DESIGN
 R. JABLONSKI
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 USER = jmtpx11-pr-svc



WORK ZONE TRAFFIC CONTROL PLAN - INTERIM STAGE

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024

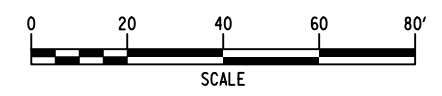


LEGEND

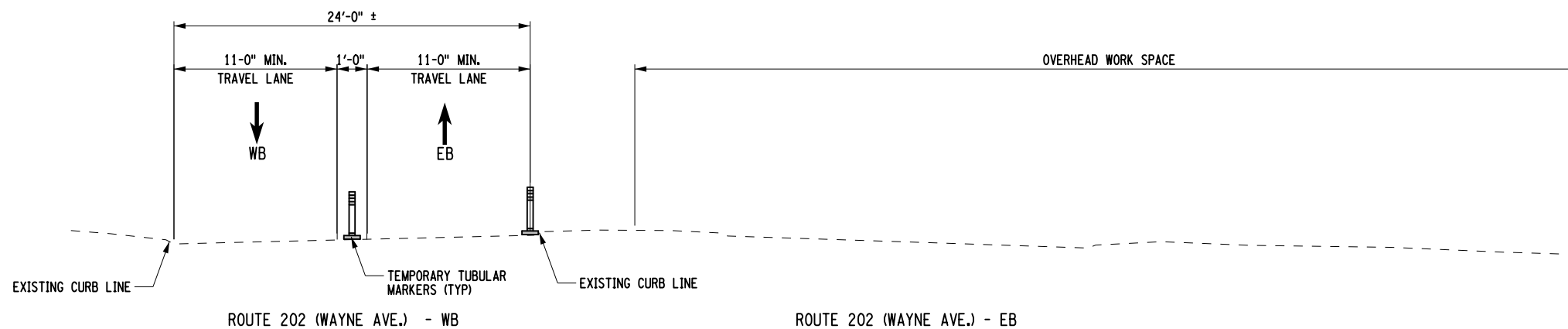
➔ DIRECTION OF TRAFFIC

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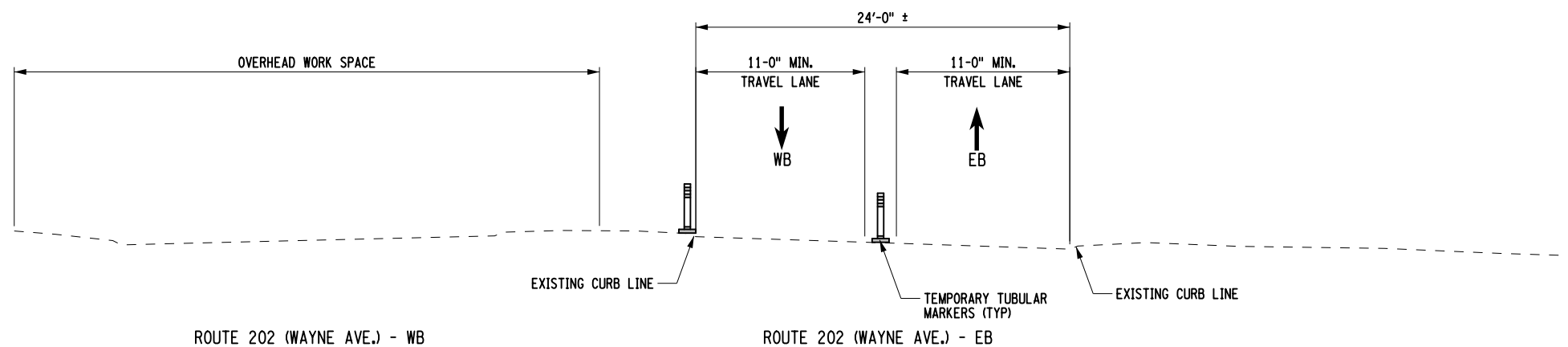
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - INTERIM STAGE (3 OF 3)	DRAWING NUMBER: TC-36



TYPICAL SECTION - ROUTE 202 (WAYNE AVE.) EASTBOUND CROSSOVER
NTS



TYPICAL SECTION - ROUTE 202 (WAYNE AVE.) WESTBOUND CROSSOVER
NTS

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT
REHABILITATION OF I-87 BRIDGES OVER
ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER

LOCATION OF PROJECT
NEW YORK DIVISION
MILEPOSTS 29.54 AND 29.41

TITLE OF DRAWING
WORK ZONE TRAFFIC
CONTROL - TYPICAL
SECTIONS (ROUTE 202)

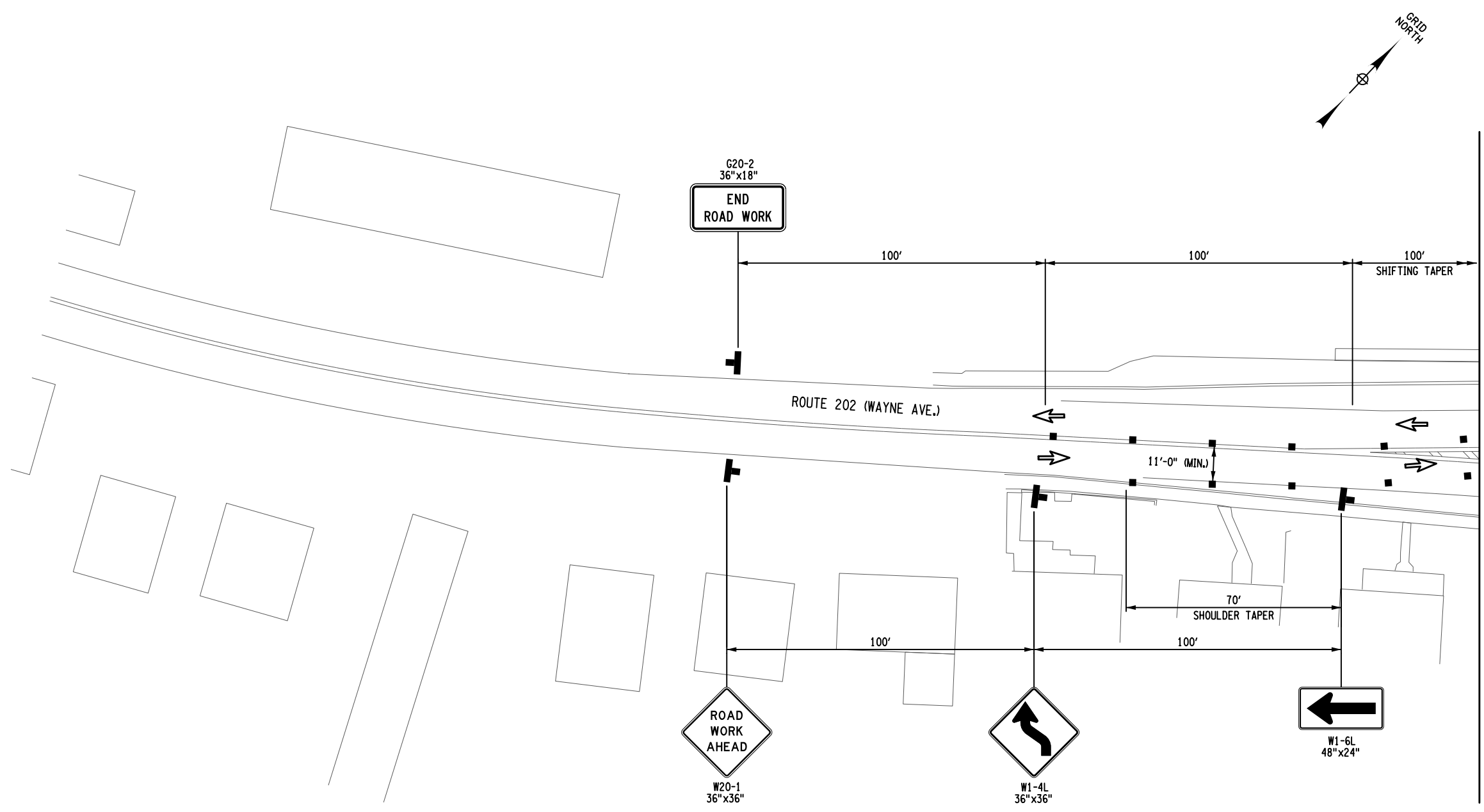
CONTRACT NUMBER:
TANY 24-26B

DATE:
05/15/2024

DRAWING NUMBER:
TC-37

FILE NAME = _____
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:06
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpr11-pr-svc

FILE NAME = DATE/TIME = 15-MAY-2024 20:03 USER = jmtpx11-pr-svc M. COLLINGWOOD R. JABLONSKI M. COLLINGWOOD T. BURTNICK M. COLLINGWOOD CHECK M. COLLINGWOOD CHECK

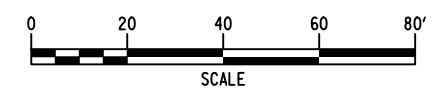


**WORK ZONE TRAFFIC CONTROL PLAN
ROUTE 202 (WAYNE AVE.) EASTBOUND CROSSOVER**

- LEGEND**
- DIRECTION OF TRAFFIC
 - TEMPORARY SIGN
 - CHANNELIZING DEVICE
 - TEMPORARY TUBULAR MARKERS
 - WORK ZONE
 - TYPE III BARRICADE, ITEM 619.04

NOTES

1. WASHINGTON AVE DETOUR AS SHOWN ON TC-44 SHALL BE IN PLACE PRIOR TO USE OF ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS.
2. ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS SHALL BE IN PLACE DURING ACTIVE OVERHEAD OPERATIONS. UPON COMPLETION OF OVERHEAD WORK SHIFTS, THE OVERHEAD WORK AREA SHALL BE MADE SAFE FOR TRAFFIC BELOW.
3. EXISTING R3-7 AND R4-8 SIGNS LOCATED IN THE ROUTE 202 (WAYNE AVE.) MEDIAN SHALL BE COVERED WHILE CROSSOVER OPERATIONS ARE IN USE.
4. THE USE OF CROSSOVER OPERATIONS SHOWN ON THIS SHEET WILL BE LIMITED TO NIGHTTIME WORKING HOURS.
5. CONTRACTOR TO PROVIDE ESCORT FLAGGER FOR ANY PEDESTRIANS THAT OCCUR DURING EASTBOUND CROSSOVER OPERATIONS.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



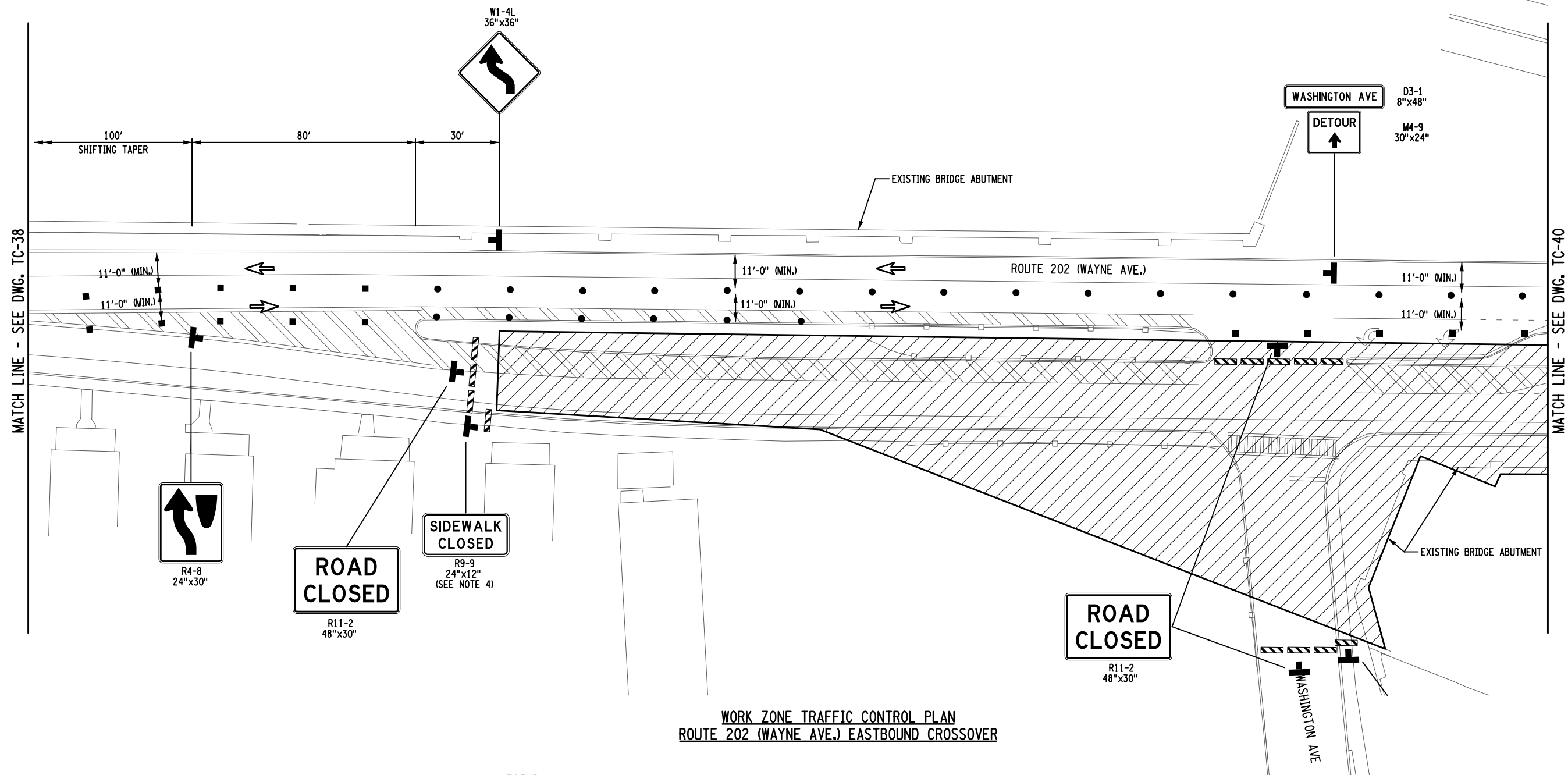
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - ROUTE 202 PLANS (1 OF 6)	DRAWING NUMBER: TC-38

FILE NAME = DATE/TIME = 15-MAY-2024 20:04 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpe11-pr-svc



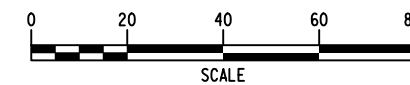
**WORK ZONE TRAFFIC CONTROL PLAN
ROUTE 202 (WAYNE AVE.) EASTBOUND CROSSOVER**

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY SIGN
- CHANNELIZING DEVICE
- TEMPORARY TUBULAR MARKERS
- WORK ZONE
- TYPE III BARRICADE, ITEM 619.04

NOTES

1. WASHINGTON AVE DETOUR AS SHOWN ON TC-44 SHALL BE IN PLACE PRIOR TO USE OF ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS.
2. ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS SHALL BE IN PLACE DURING ACTIVE OVERHEAD OPERATIONS. UPON COMPLETION OF OVERHEAD WORK SHIFTS, THE OVERHEAD WORK AREA SHALL BE MADE SAFE FOR TRAFFIC BELOW.
3. EXISTING R3-7 AND R4-8 SIGNS LOCATED IN THE ROUTE 202 (WAYNE AVE.) MEDIAN SHALL BE COVERED WHILE CROSSOVER OPERATIONS ARE IN USE.
4. THE USE OF CROSSOVER OPERATIONS SHOWN ON THIS SHEET WILL BE LIMITED TO NIGHTTIME WORKING HOURS.
5. CONTRACTOR TO PROVIDE ESCORT FLAGGER FOR ANY PEDESTRIANS THAT OCCUR DURING EASTBOUND CROSSOVER OPERATIONS.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



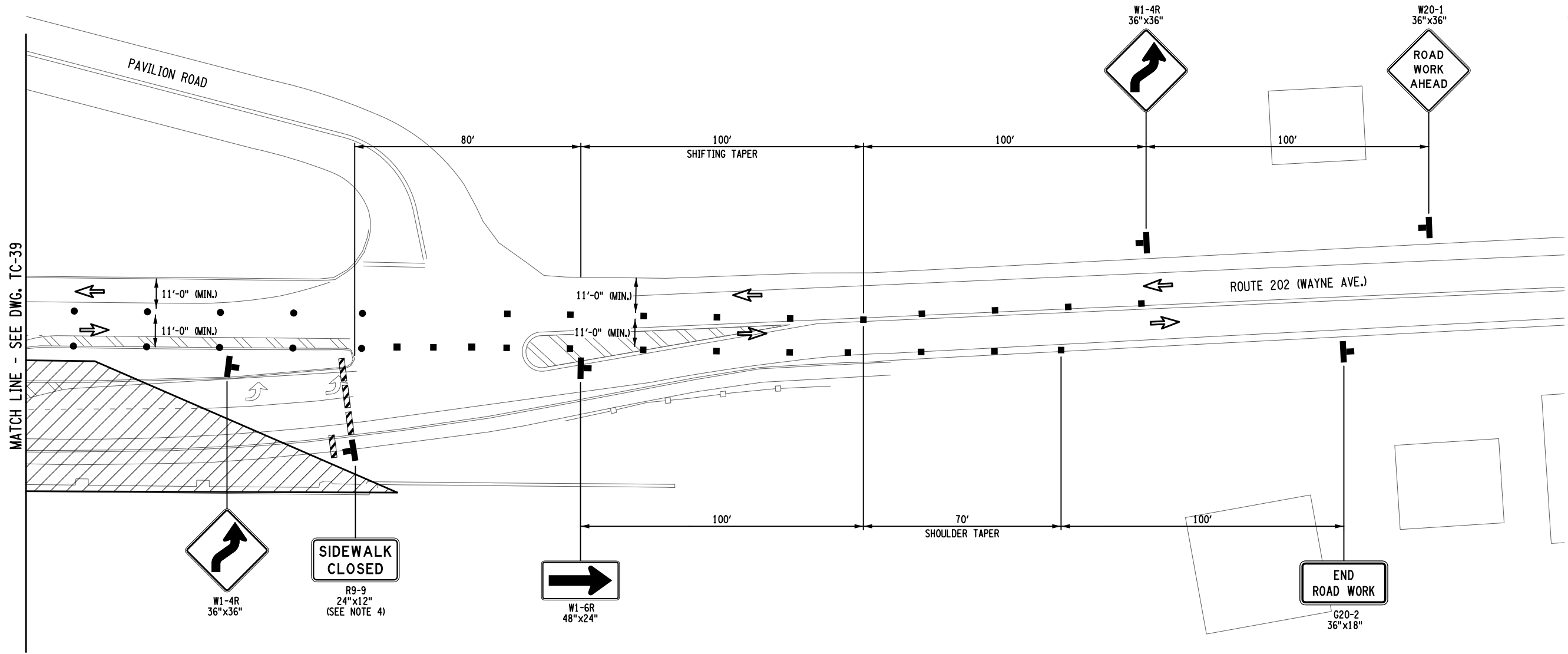
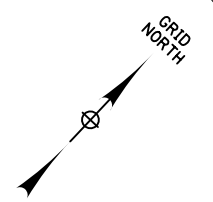
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT
REHABILITATION OF I-87 BRIDGES OVER
ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER
LOCATION OF PROJECT
NEW YORK DIVISION
MILEPOSTS 29.54 AND 29.41
TITLE OF DRAWING
WORK ZONE TRAFFIC
CONTROL - ROUTE 202 PLANS
(2 OF 6)

CONTRACT NUMBER:
TANY 24-26B
DATE:
05/15/2024
DRAWING NUMBER:
TC-39



**WORK ZONE TRAFFIC CONTROL PLAN
ROUTE 202 (WAYNE AVE.) EASTBOUND CROSSOVER**

USER = jmtpe11-pr-svc
 DATE/TIME = 15-MAY-2024 20:05
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



- LEGEND**
- DIRECTION OF TRAFFIC
 - TEMPORARY SIGN
 - CHANNELIZING DEVICE
 - TEMPORARY TUBULAR MARKERS
 - WORK ZONE
 - TYPE III BARRICADE, ITEM 619.04

NOTES

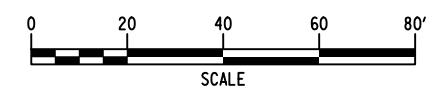
1. WASHINGTON AVE DETOUR AS SHOWN ON TC-44 SHALL BE IN PLACE PRIOR TO USE OF ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS.
2. ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS SHALL BE IN PLACE DURING ACTIVE OVERHEAD OPERATIONS. UPON COMPLETION OF OVERHEAD WORK SHIFTS, THE OVERHEAD WORK AREA SHALL BE MADE SAFE FOR TRAFFIC BELOW.
3. EXISTING R3-7 AND R4-8 SIGNS LOCATED IN THE ROUTE 202 (WAYNE AVE.) MEDIAN SHALL BE COVERED WHILE CROSSOVER OPERATIONS ARE IN USE.
4. THE USE OF CROSSOVER OPERATIONS SHOWN ON THIS SHEET WILL BE LIMITED TO NIGHTTIME WORKING HOURS.
5. CONTRACTOR TO PROVIDE ESCORT FLAGGER FOR ANY PEDESTRIANS THAT OCCUR DURING EASTBOUND CROSSOVER OPERATIONS.

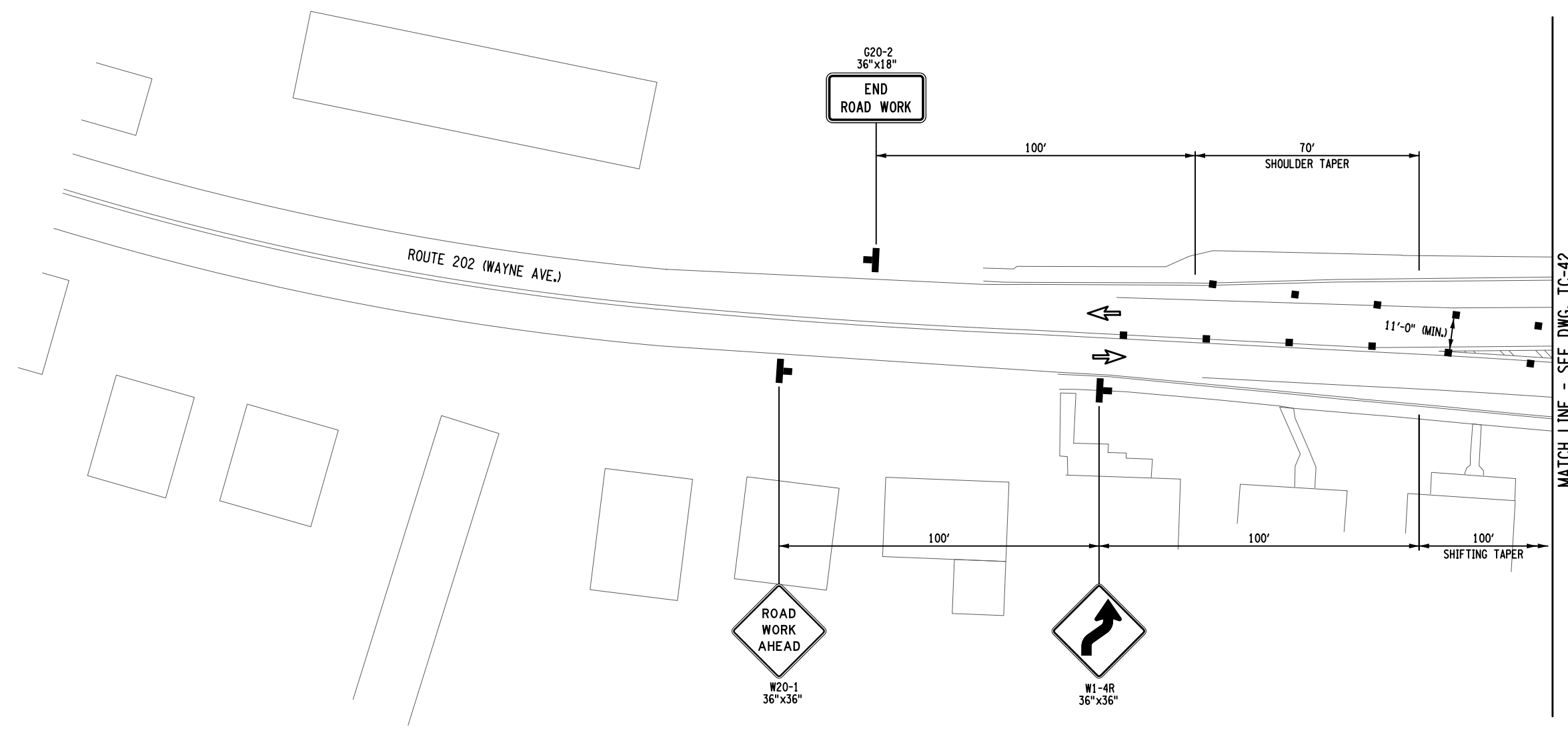
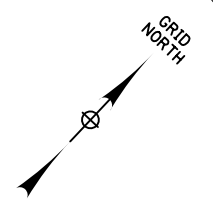
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - ROUTE 202 PLANS (3 OF 6)	DRAWING NUMBER: TC-40



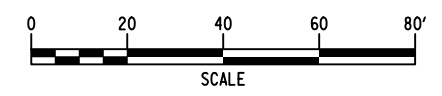


WORK ZONE TRAFFIC CONTROL PLAN
ROUTE 202 (WAYNE AVE.) WESTBOUND CROSSOVER

- LEGEND**
- DIRECTION OF TRAFFIC
 - TEMPORARY SIGN
 - CHANNELIZING DEVICE
 - TEMPORARY TUBULAR MARKERS
 - WORK ZONE
 - TYPE III BARRICADE, ITEM 619.04

NOTES

1. WASHINGTON AVE DETOUR AS SHOWN ON TC-44 SHALL BE IN PLACE PRIOR TO USE OF ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS.
2. ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS SHALL BE IN PLACE DURING ACTIVE OVERHEAD OPERATIONS. UPON COMPLETION OF OVERHEAD WORK SHIFTS, THE OVERHEAD WORK AREA SHALL BE MADE SAFE FOR TRAFFIC BELOW.
3. EXISTING R3-7 AND R4-8 SIGNS LOCATED IN THE ROUTE 202 (WAYNE AVE.) MEDIAN SHALL BE COVERED WHILE CROSSOVER OPERATIONS ARE IN USE.
4. THE USE OF CROSSOVER OPERATIONS SHOWN ON THIS SHEET WILL BE LIMITED TO NIGHTTIME WORKING HOURS.
5. CONTRACTOR TO PROVIDE ESCORT FLAGGER FOR ANY PEDESTRIANS THAT OCCUR DURING EASTBOUND CROSSOVER OPERATIONS.



USER = jmtpx11-pr-svc
 DATE/TIME = 15-MAY-2024 20:04
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024

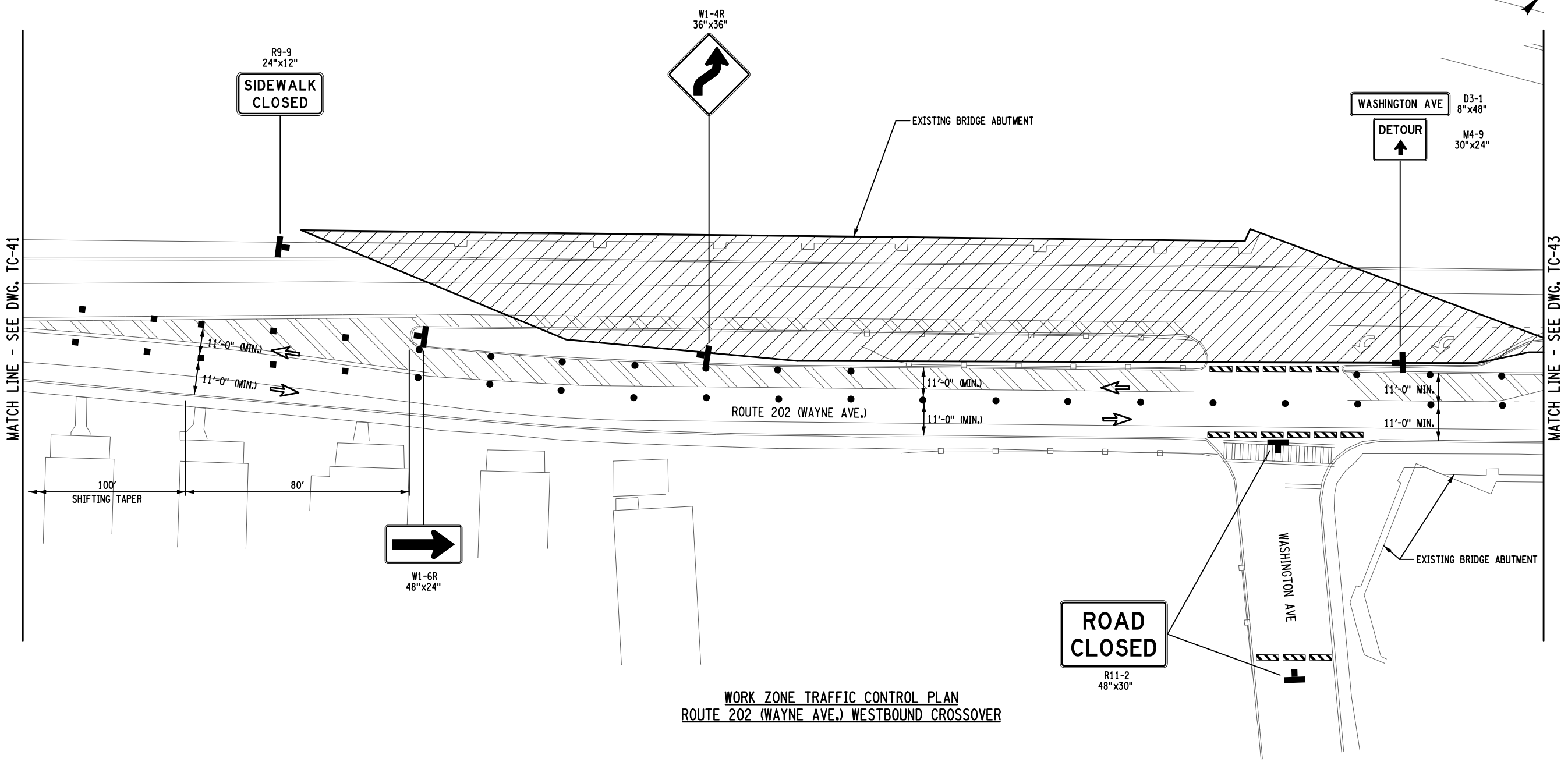


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - ROUTE 202 PLANS (4 OF 6)	DRAWING NUMBER: TC-41



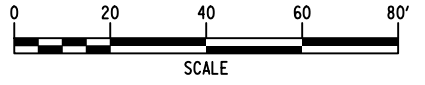
**WORK ZONE TRAFFIC CONTROL PLAN
ROUTE 202 (WAYNE AVE.) WESTBOUND CROSSOVER**

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY SIGN
- CHANNELIZING DEVICE
- TEMPORARY TUBULAR MARKERS
- WORK ZONE
- TYPE III BARRICADE, ITEM 619.04

NOTES

1. WASHINGTON AVE DETOUR AS SHOWN ON TC-44 SHALL BE IN PLACE PRIOR TO USE OF ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS.
2. ROUTE 202 (WAYNE AVE.) CROSSOVER OPERATIONS SHALL BE IN PLACE DURING ACTIVE OVERHEAD OPERATIONS. UPON COMPLETION OF OVERHEAD WORK SHIFTS, THE OVERHEAD WORK AREA SHALL BE MADE SAFE FOR TRAFFIC BELOW.
3. EXISTING R3-7 AND R4-8 SIGNS LOCATED IN THE ROUTE 202 (WAYNE AVE.) MEDIAN SHALL BE COVERED WHILE CROSSOVER OPERATIONS ARE IN USE.
4. THE USE OF CROSSOVER OPERATIONS SHOWN ON THIS SHEET WILL BE LIMITED TO NIGHTTIME WORKING HOURS.
5. CONTRACTOR TO PROVIDE ESCORT FLAGGER FOR ANY PEDESTRIANS THAT OCCUR DURING EASTBOUND CROSSOVER OPERATIONS.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



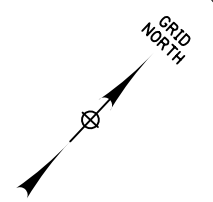
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

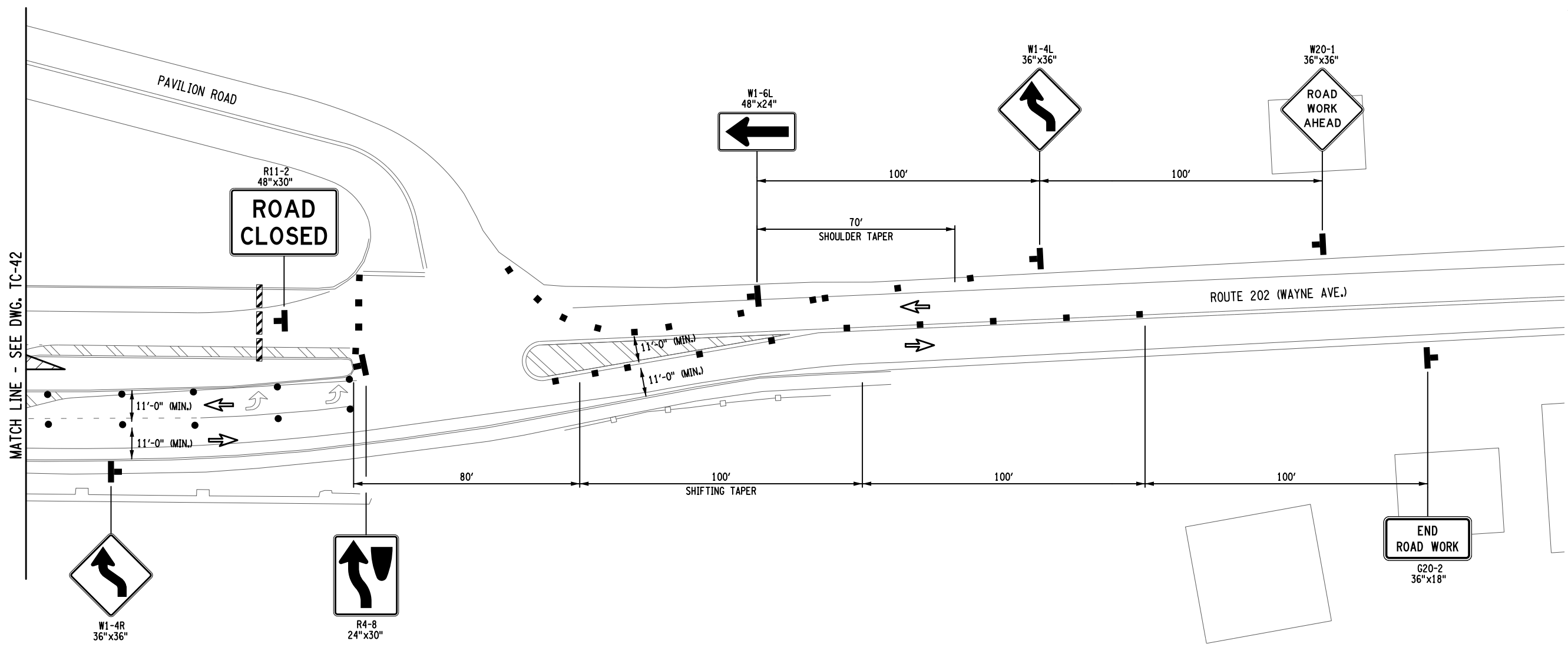


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - ROUTE 202 PLANS (5 OF 6)	DRAWING NUMBER: TC-42

FILE NAME = _____
 DESIGN SUPERVISOR _____
 M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:06
 DESIGN _____
 R. JABLONSKI
 CHECK _____
 USER = jmtpx11-pr-svc
 DRAFTING _____
 T. BURTNICK
 CHECK _____
 M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK _____
 M. COLLINGWOOD



USER = jmtpx11-pr-svc
 DATE/TIME = 15-MAY-2024 20:05
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

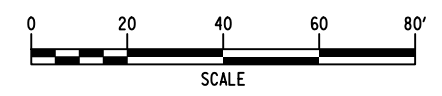


LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY SIGN
- CHANNELIZING DEVICE
- TEMPORARY TUBULAR MARKERS
- WORK ZONE
- TYPE III BARRICADE, ITEM 619.04

NOTES

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3. EXISTING R3-7 AND R4-8 SIGNS LOCATED IN THE ROUTE 202 (WAYNE AVE.) MEDIAN SHALL BE COVERED WHILE CROSSOVER OPERATIONS ARE IN USE.
4. THE USE OF CROSSOVER OPERATIONS SHOWN ON THIS SHEET WILL BE LIMITED TO NIGHTTIME WORKING HOURS.
5. CONTRACTOR TO PROVIDE ESCORT FLAGGER FOR ANY PEDESTRIANS THAT OCCUR DURING EASTBOUND CROSSOVER OPERATIONS.



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



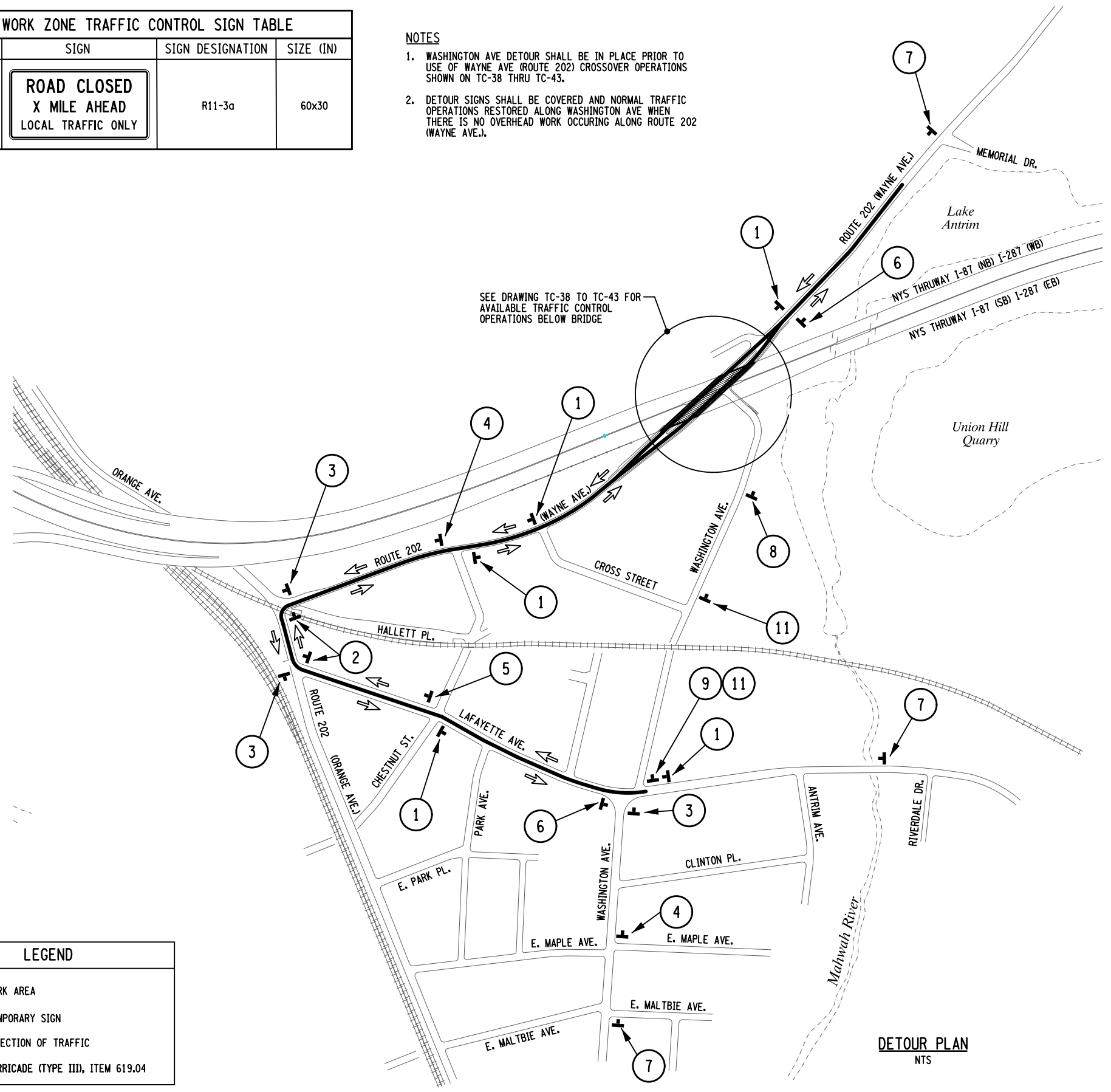
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL - ROUTE 202 PLANS (6 OF 6)	DRAWING NUMBER: TC-43



- NOTES**
1. WASHINGTON AVE DETOUR SHALL BE IN PLACE PRIOR TO USE OF WAYNE AVE (ROUTE 202) CROSSOVER OPERATIONS SHOWN ON TC-38 THRU TC-43.
 2. DETOUR SIGNS SHALL BE COVERED AND NORMAL TRAFFIC OPERATIONS RESTORED ALONG WASHINGTON AVE WHEN THERE IS NO OVERHEAD WORK OCCURRING ALONG ROUTE 202 (WAYNE AVE.).

WORK ZONE TRAFFIC CONTROL SIGN TABLE			
LOCATION	SIGN	SIGN DESIGNATION	SIZE (IN)
11		R11-3a	60x30

WORK ZONE TRAFFIC CONTROL SIGN TABLE			
LOCATION	SIGN	SIGN DESIGNATION	SIZE (IN)
1		D3-1 M4-9	8x48 30x24
2		D3-1 M4-9R	8x48 30x24
3		D3-1 M4-9L	8x48 30x24
4		D3-1 M4-9L	8x48 30x24
5		D3-1 M4-8R	8x48 30x24
6		D3-1 M4-8a	8x48 24x18
7		W20-2	36x36
8		W20-3	36x36
9		M4-10L	48x18
10		M4-10R	48x18



SEE DRAWING TC-38 TO TC-43 FOR AVAILABLE TRAFFIC CONTROL OPERATIONS BELOW BRIDGE

DETOUR PLAN
NTS

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:02
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD

ALTERED BY: _____
ON: _____

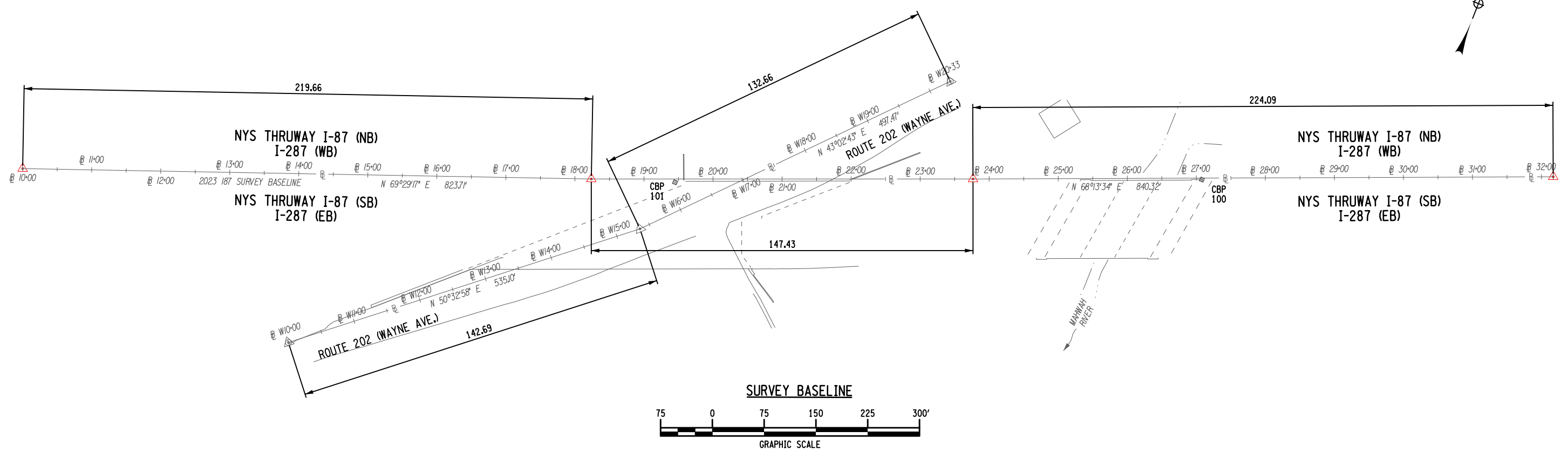
AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority 	TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
	LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL WASHINGTON AVE DETOUR PLAN	DRAWING NUMBER: TC-44



HORIZONTAL CONTROL TABLE

H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
I-87 CENTERLINE				
P.O.B.	5+00.00	832617.335	588183.094	BEGIN ALIGNMENT
P.O.E.	24+60.22	833341.929	590004.472	END ALIGNMENT
I-87 SOUTHBOUND				
P.O.B.	SB 5+00.00	832584.194	588196.278	BEGIN ALIGNMENT
P.O.E.	SB 24+60.22	833308.786	590017.657	END ALIGNMENT
I-87 NORTHBOUND				
P.O.B.	NB 5+00.00	832650.485	588169.906	BEGIN ALIGNMENT
P.O.E.	NB 24+60.22	833375.079	589991.284	END ALIGNMENT

TABLE OF BENCHMARKS

BM NO.	STATION	OFFSET	LT/RT	ELEVATION	NORTHING	EASTING	DESCRIPTION
101	19+45.06	4.73'	RT	321.65'	833310.917	589771.756	TOP OF HEADWALL
100	27+08.11	2.11'	RT	341.85'	833026.946	589063.500	TOP OF HEADWALL

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ON: _____

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ON: 05/15/2024



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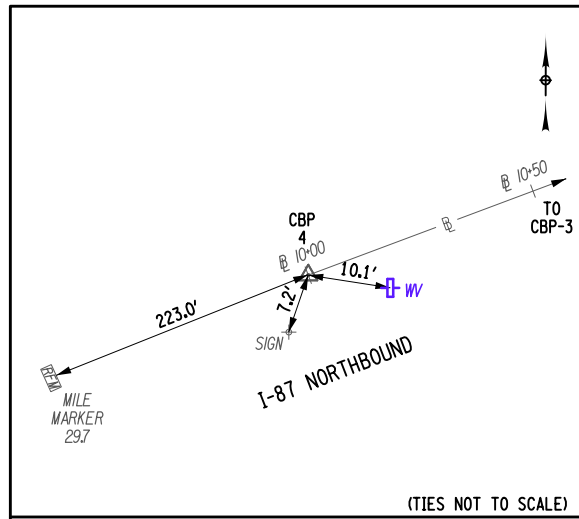
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



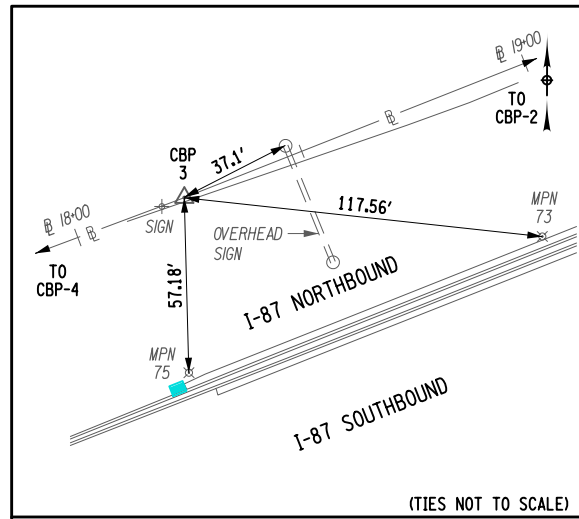
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING SURVEY CONTROL DATA	DRAWING NUMBER: SCD-1

FILE NAME = _____
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:04
 USER = jmtpx11-pr-svc
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

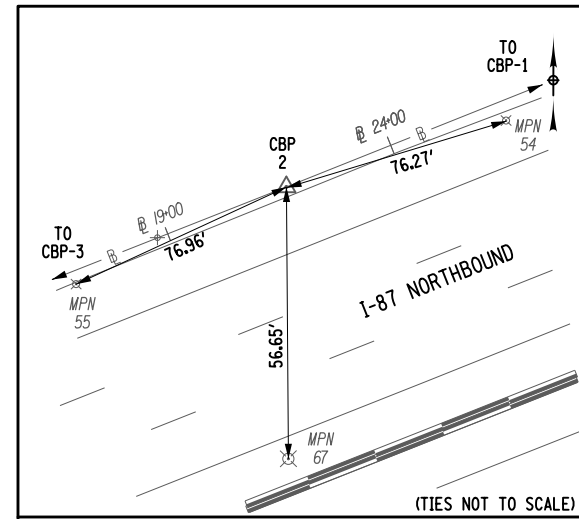
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 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
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 M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD



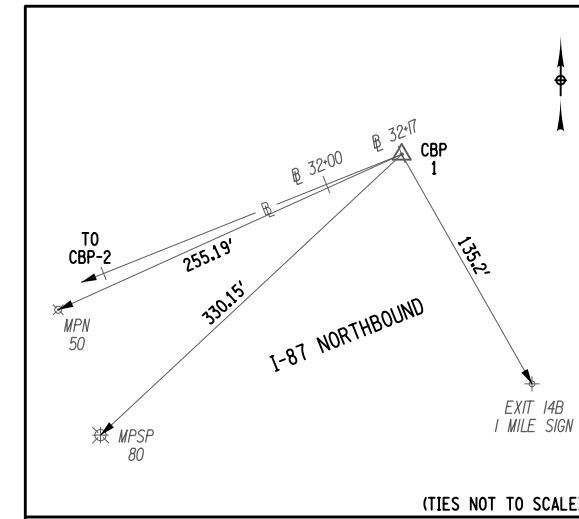
CBP-4
 @ STA. 10+00.00
 CAPPED REBAR SET NORTH OF
 I-87 NORTHBOUND TO THE WEST OF THE WAYNE AVENUE BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 832698.129
 E: 588177.417
 ELEV: 357.94'



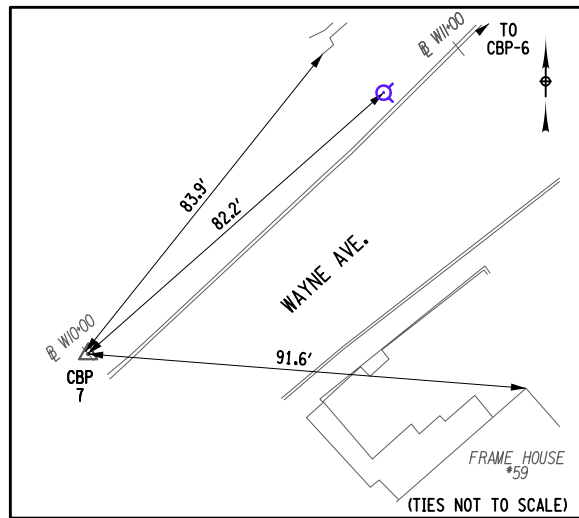
CBP-3
 @ STA. 18+23.71
 CAPPED REBAR SET NORTH OF
 I-87 NORTHBOUND TO THE WEST OF THE WAYNE AVENUE BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 832986.758
 E: 588948.901
 ELEV: 343.92'



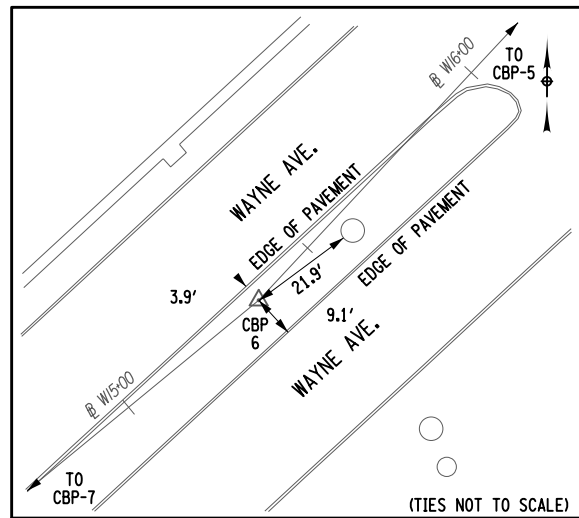
CBP-2
 @ STA. 23+76.58
 CAPPED REBAR SET NORTH OF
 I-87 NORTHBOUND TO THE EAST OF THE WAYNE AVENUE BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 833189.900
 E: 589463.097
 ELEV: 329.53'



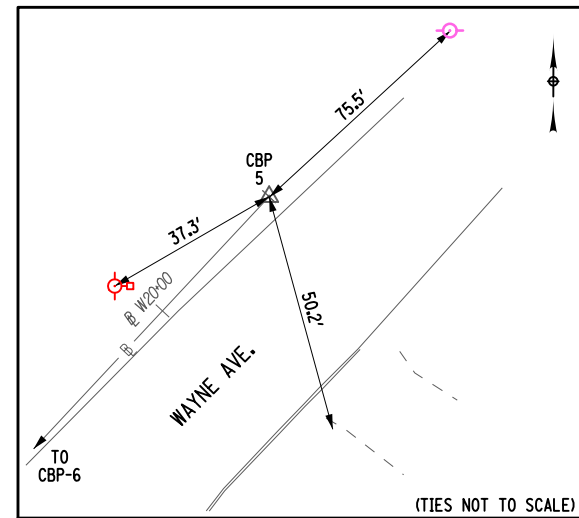
CBP-1
 @ STA. 32+16.90
 CAPPED REBAR SET NORTH OF
 I-87 NORTHBOUND TO THE EAST OF THE WAYNE AVENUE BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 833501.615
 E: 590243.466
 ELEV: 308.86'



CBP-7
 @ STA. W10+00.00
 CAPPED SET TO THE NORTH OF
 WAYNE AVENUE TO THE SOUTH OF THE I-87 BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 832605.548
 E: 588627.805
 ELEV: 325.49'



CBP-6
 @ STA. W15+35.10
 CAPPED REBAR SET IN MEDIAN OF
 WAYNE AVENUE BELOW THE I-87 BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 832945.555
 E: 589040.994
 ELEV: 317.82'



CBP-5
 @ STA. W20+32.57
 CAPPED REBAR SET NORTH OF
 WAYNE AVENUE TO THE NORTH OF THE I-87 BRIDGE
 NYSPCS NAD83(2011) ZONE E. ZONE
 N: 833309.112
 E: 589380.553
 ELEV: 310.14'

ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING SURVEY CONTROL DATA	DRAWING NUMBER: SCD-2

GUIDE RAILING - INSTALLATION									
STATION	TO	STATION	OFFSET	LENGTH	ITEM 606.53 (LF)	ITEM 606.57 (LF)	ITEM 606.5710 (LF)	ITEM 606.58 (LF)	REMARKS
7+29	TO	13+25		596.0		596.0			MEDIAN CONCRETE BARRIER
15+98	TO	19+76		378.0		378.0			MEDIAN CONCRETE BARRIER
SB 9+50	TO	SB 11+65		215.0	215.0				SOUTHBOUND SHOULDER
SB 15+80	TO	SB 17+35					155.0		SOUTHBOUND SHOULDER
SB 17+35	TO	SB 19+75			240.0				SOUTHBOUND SHOULDER
NB 12+18	TO	NB 14+80						262.0	NORTHBOUND SHOULDER
NB 17+35	TO	NB 20+40			305.0				NORTHBOUND SHOULDER
				TOTALS	760.0	974.0	155.0	262.0	

MIARDS INSTALLATION TABLE - ITEM 649.01					
STATION	TO	STATION	SIDE	ITEM 649.01 (LF)	
NB 12+18	TO	NB 14+65	LT	247	
NB 17+04	TO	NB 20+35	LT	331	
8+35	TO	13+65	LT	530	
8+35	TO	13+20	RT	485	
16+08	TO	20+14	LT	406	
15+66	TO	20+02	RT	436	
SB 9+50	TO	SB 11+86	RT	236	
SB 15+75	TO	SB 19+80	RT	405	
				TOTAL	3076

GUIDE RAIL ITEM DESCRIPTION TABLE		
ITEM	DESCRIPTION	UNITS
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.57	RESETTING PRECAST CONCRETE BARRIER	LF
606.5710	RESETTING PRECAST CONCRETE BARRIER - HALF SECTION	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:07
 R. JABLONSKI
 DESIGN
 USER = jmtpr11-pr-svc
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 CHECK

ALTERED BY: _____ ON: _____	AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD ON: 05/15/2024
	

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

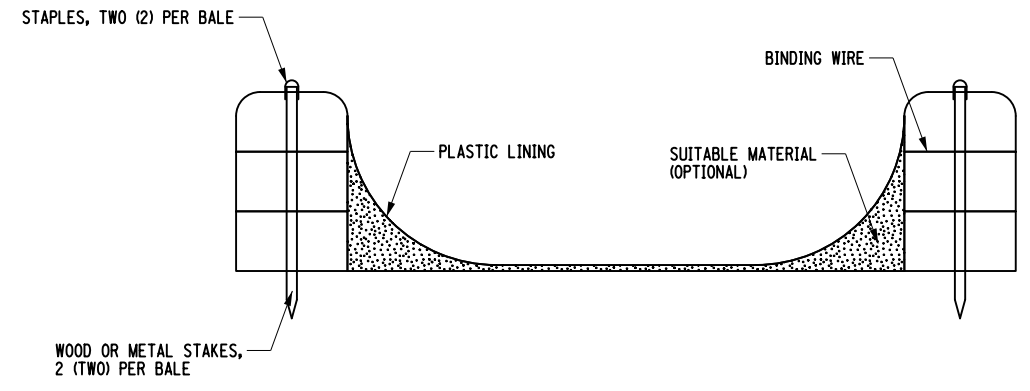
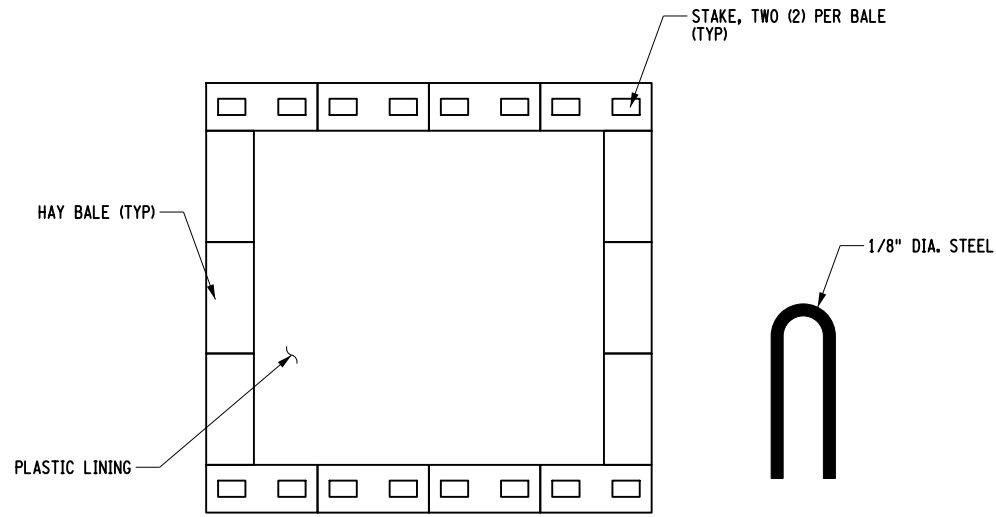


Thruway Authority

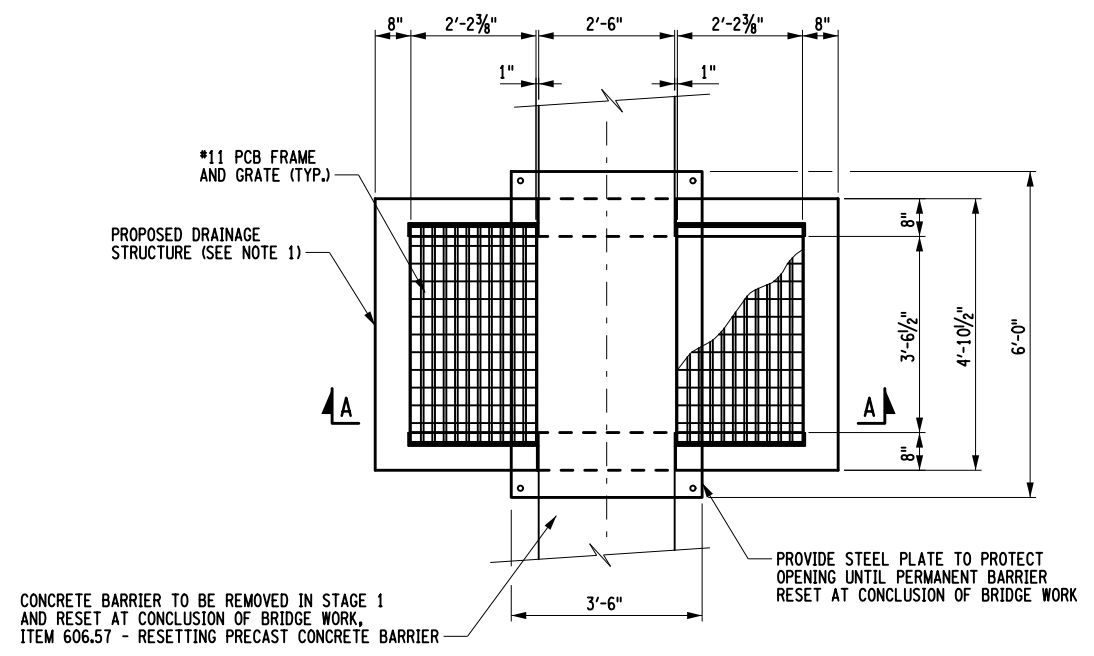


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING MISCELLANEOUS TABLES	DRAWING NUMBER: MST-1

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:09
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 R. JABLONSKI
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 USER = jmpx11-pr-svc
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:09
 DESIGN
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 DRAFTING
 T. BURTNICK
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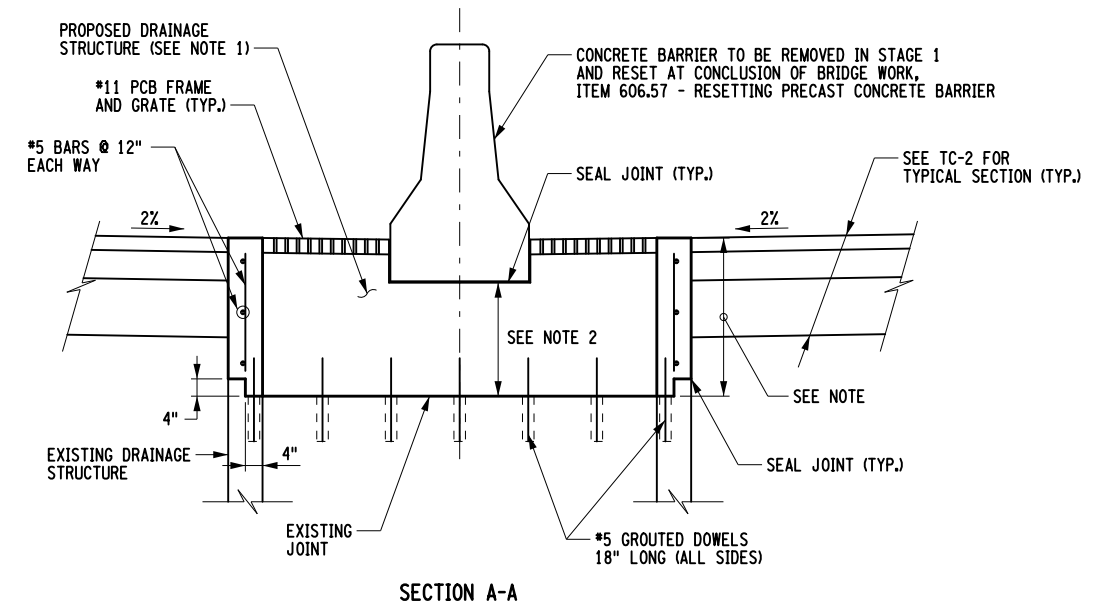


CONCRETE WASHOUT DETAIL
NTS



PLAN

CONCRETE BARRIER TO BE REMOVED IN STAGE 1 AND RESET AT CONCLUSION OF BRIDGE WORK, ITEM 606.57 - RESETTING PRECAST CONCRETE BARRIER



SECTION A-A

ALTER DRAINAGE STRUCTURE - ITEM 604.070101
NTS

- NOTES:
1. REMOVE AND DISPOSE TOP OF EXISTING DRAINAGE STRUCTURE AT EXISTING JOINT. PROVIDE NEW DRAINAGE STRUCTURE TOP, FRAME AND GRATE.
 2. CONTRACTOR TO VERIFY HEIGHT REQUIRED TO MATCH GRADE BASED ON STAGE 1 MEDIAN RECONSTRUCTION.
 3. ALL COSTS ASSOCIATED WITH THIS WORK INCLUDED UNDER ITEM 604.070101.

ALTERED BY: _____ AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: _____ ON: 05/15/2024



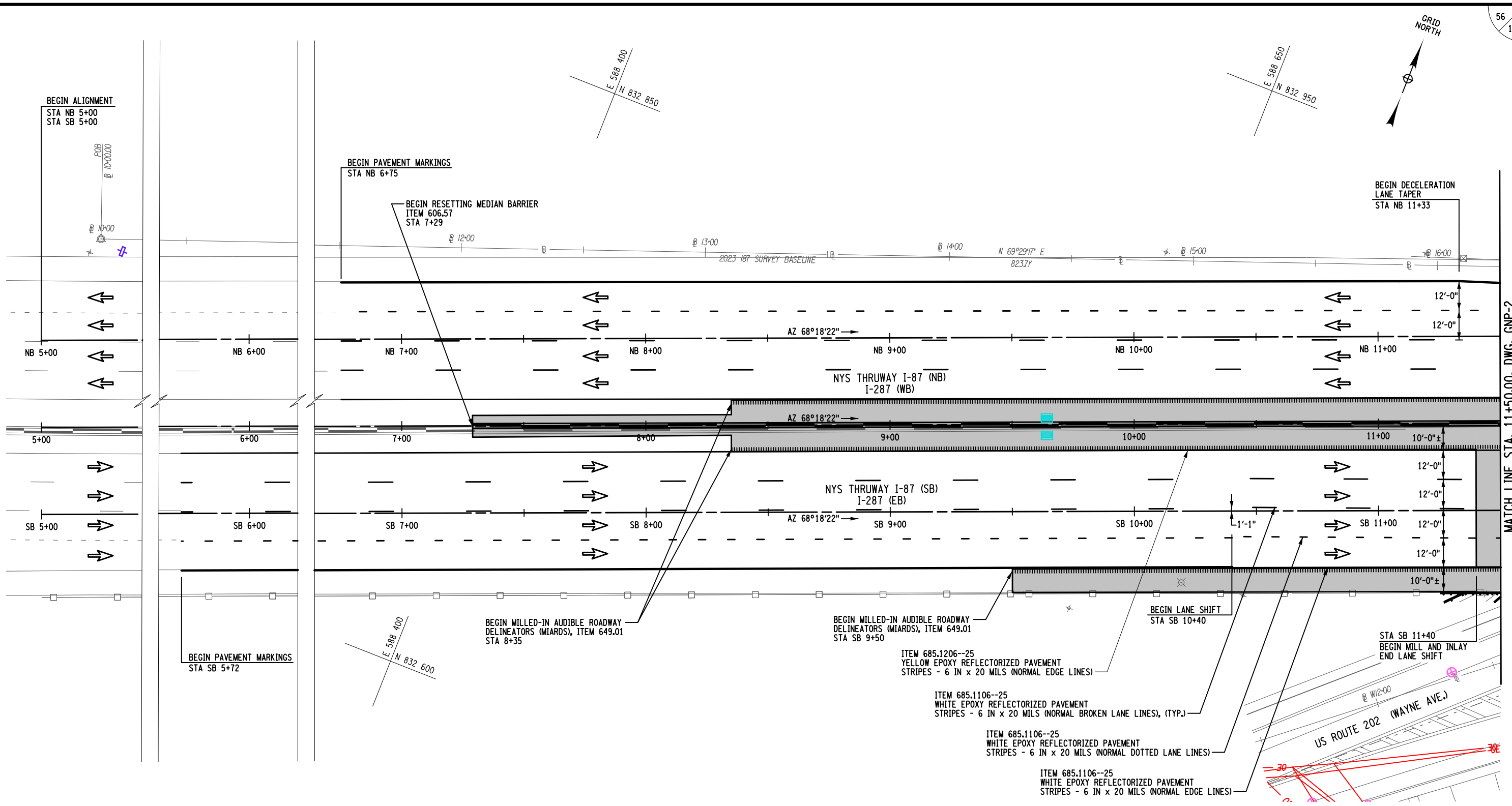
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-1

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 15-MAY-2024 20:05
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpr11-pr-svc



MATCH LINE STA. 11+50.00, DWG. GNP-2

ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



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

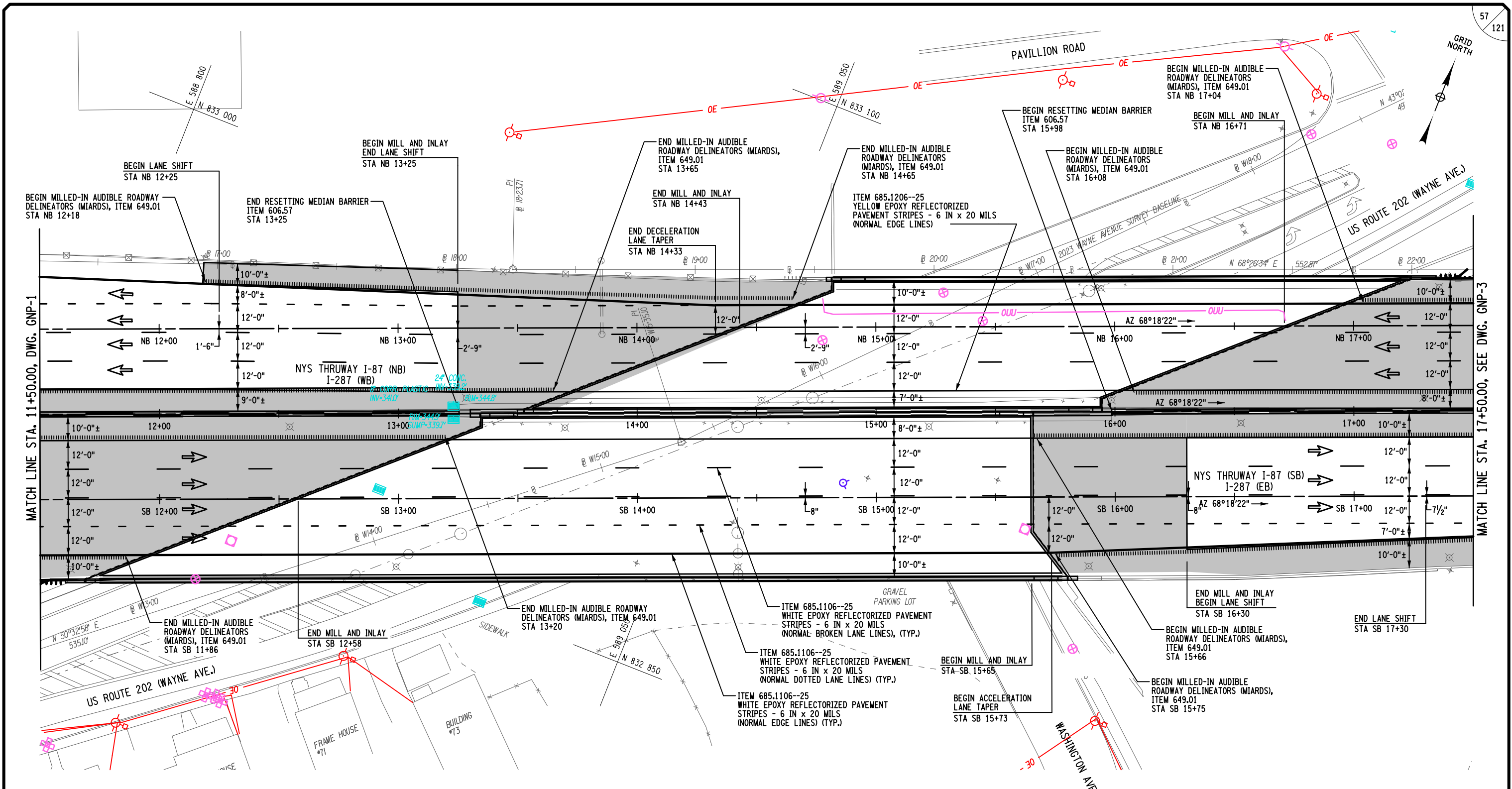
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-1



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR = M. COLLINGWOOD
 DESIGN = R. JABLONSKI
 CHECK = M. COLLINGWOOD
 DRAFTING = T. BURTNICK
 CHECK = M. COLLINGWOOD
 USER = jmtpr11-pr-svc
 DATE/TIME = 15-MAY-2024 19:59



ALTERED BY: _____
 ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
 ON: 05/15/2024

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.

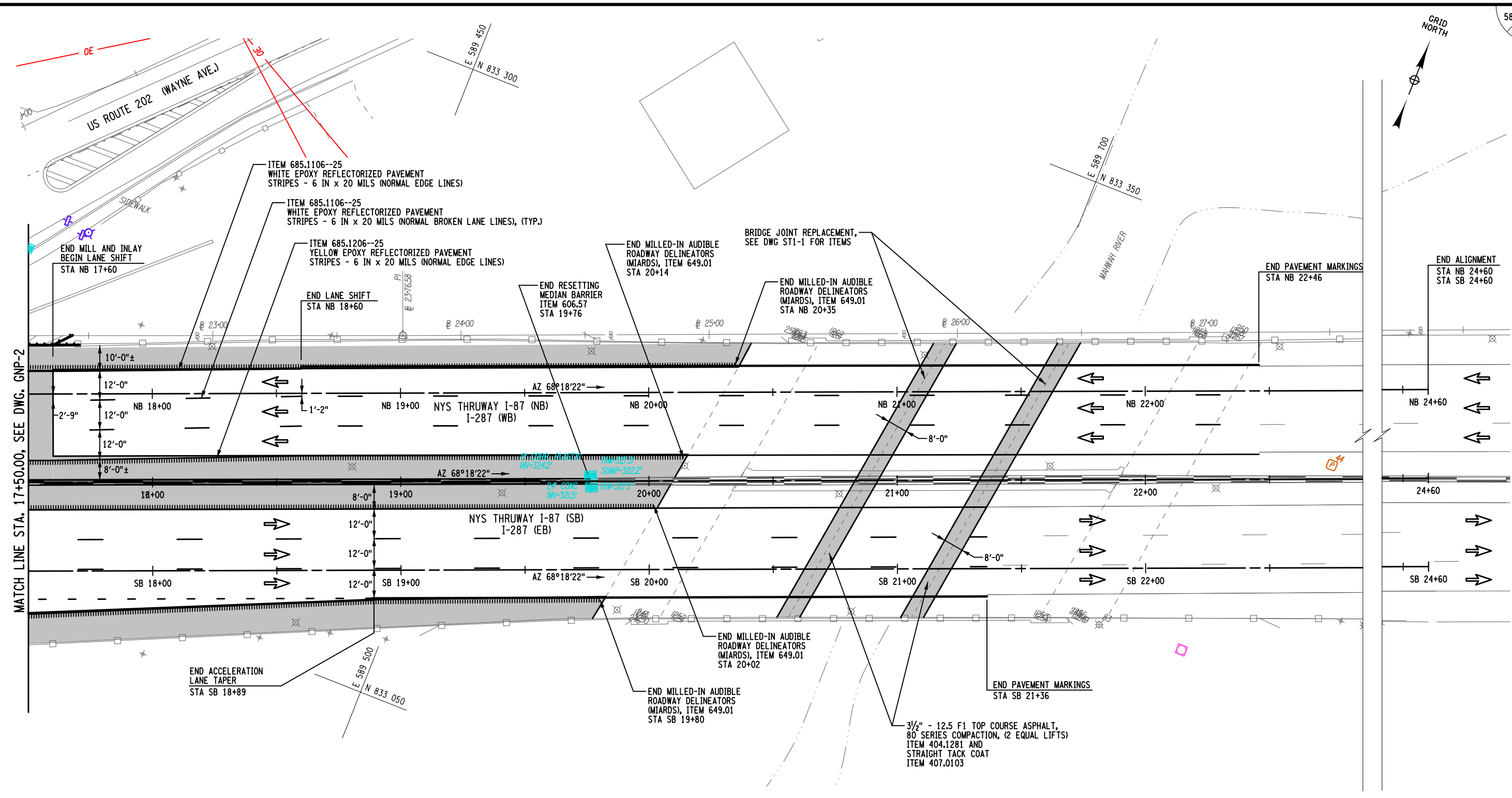
NEW YORK STATE OF OPPORTUNITY
Thruway Authority

JMT

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-2

SCALE: 0 20 40 60 80'

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 20:06
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpw11-pr-svc



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024

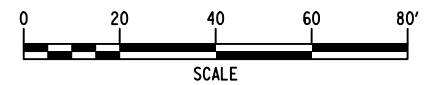


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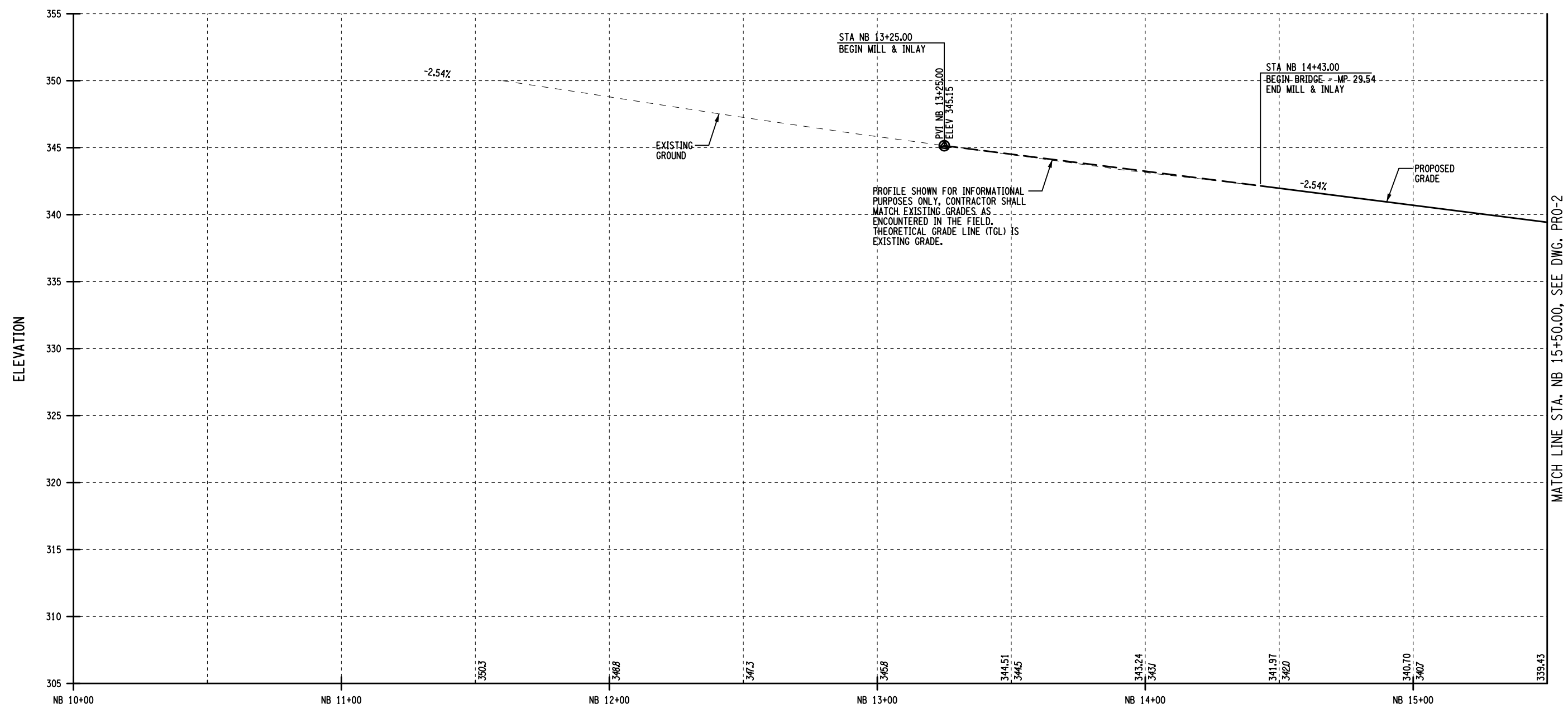
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DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-3



FILE NAME = DATE/TIME = 15-MAY-2024 20:01 USER = jmtpx11-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



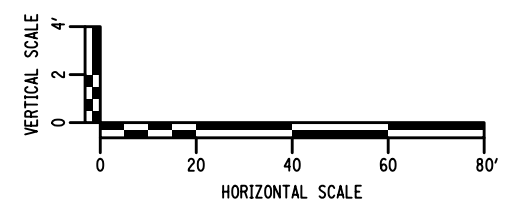
ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



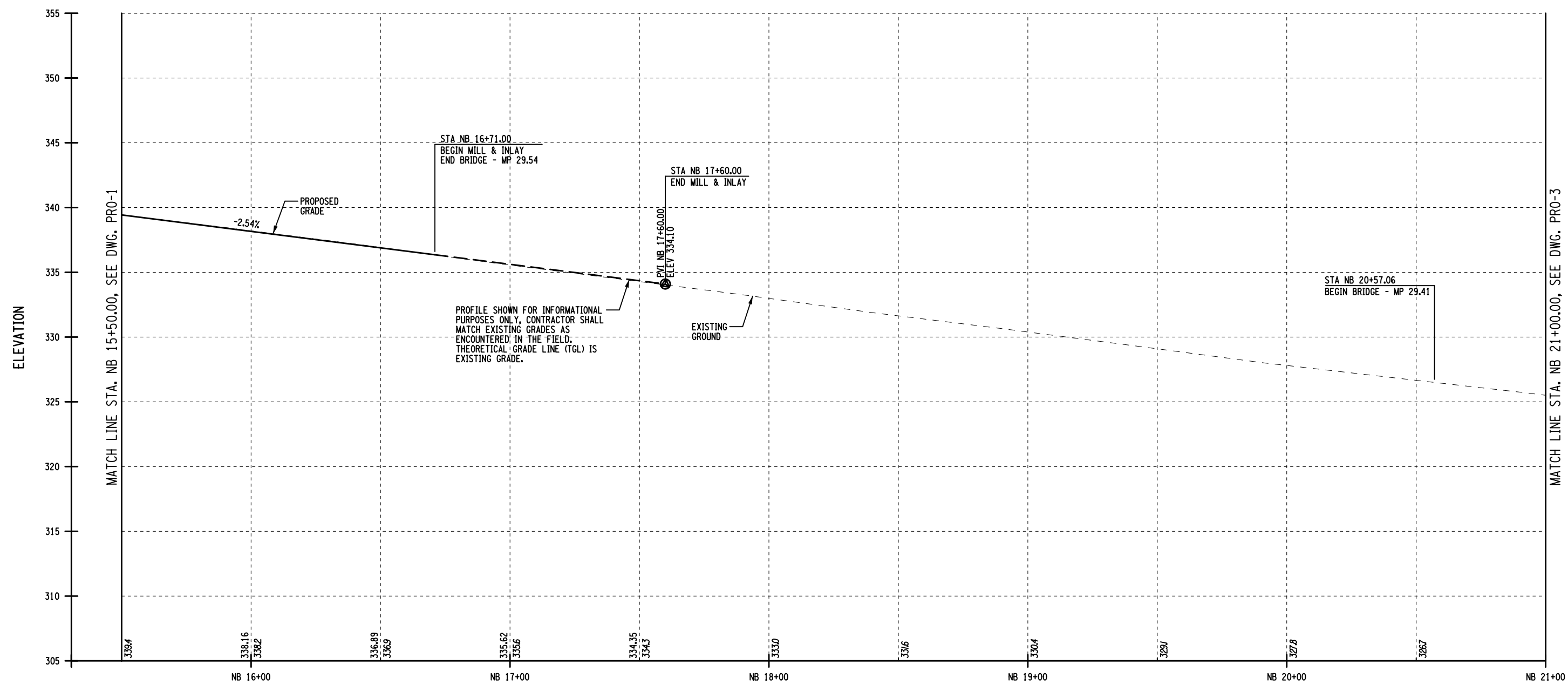
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-1

FILE NAME = DATE/TIME = 15-MAY-2024 20:03 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpr11-pr-svc



I-87 NORTHBOUND PROFILE

ALTERED BY: _____ ON: _____ AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD ON: 05/15/2024

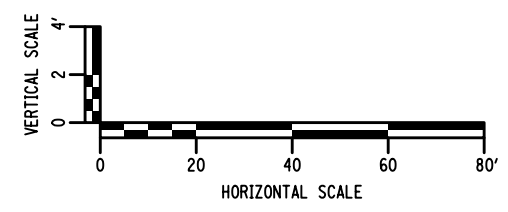


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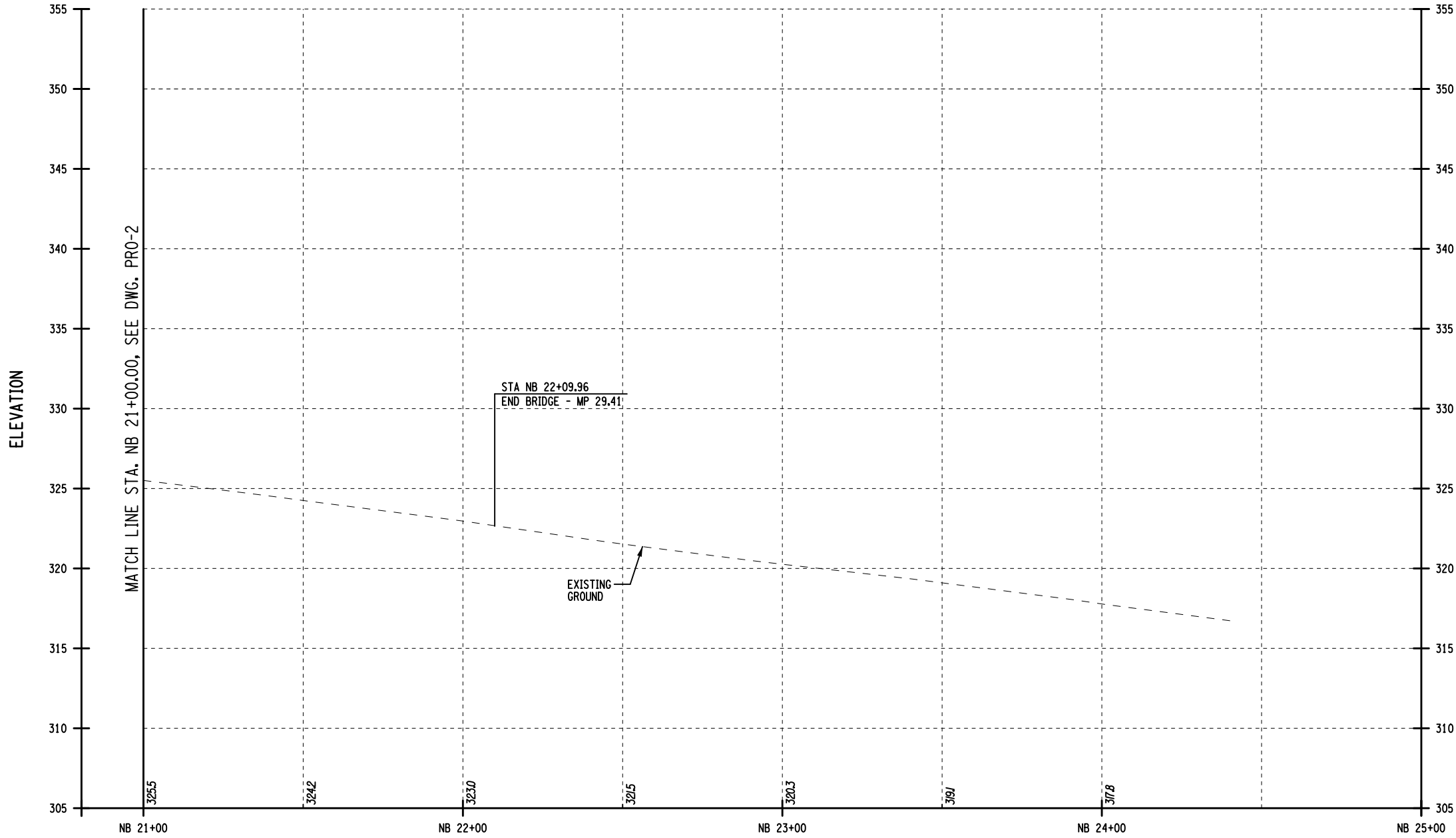
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DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-2



FILE NAME = DATE/TIME = 15-MAY-2024 20:04 USER = jmtpr11-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



I-87 NORTHBOUND PROFILE

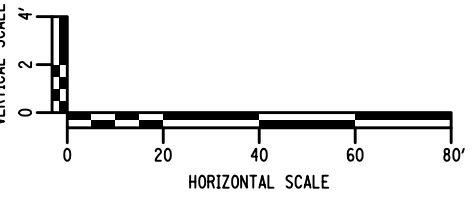
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ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



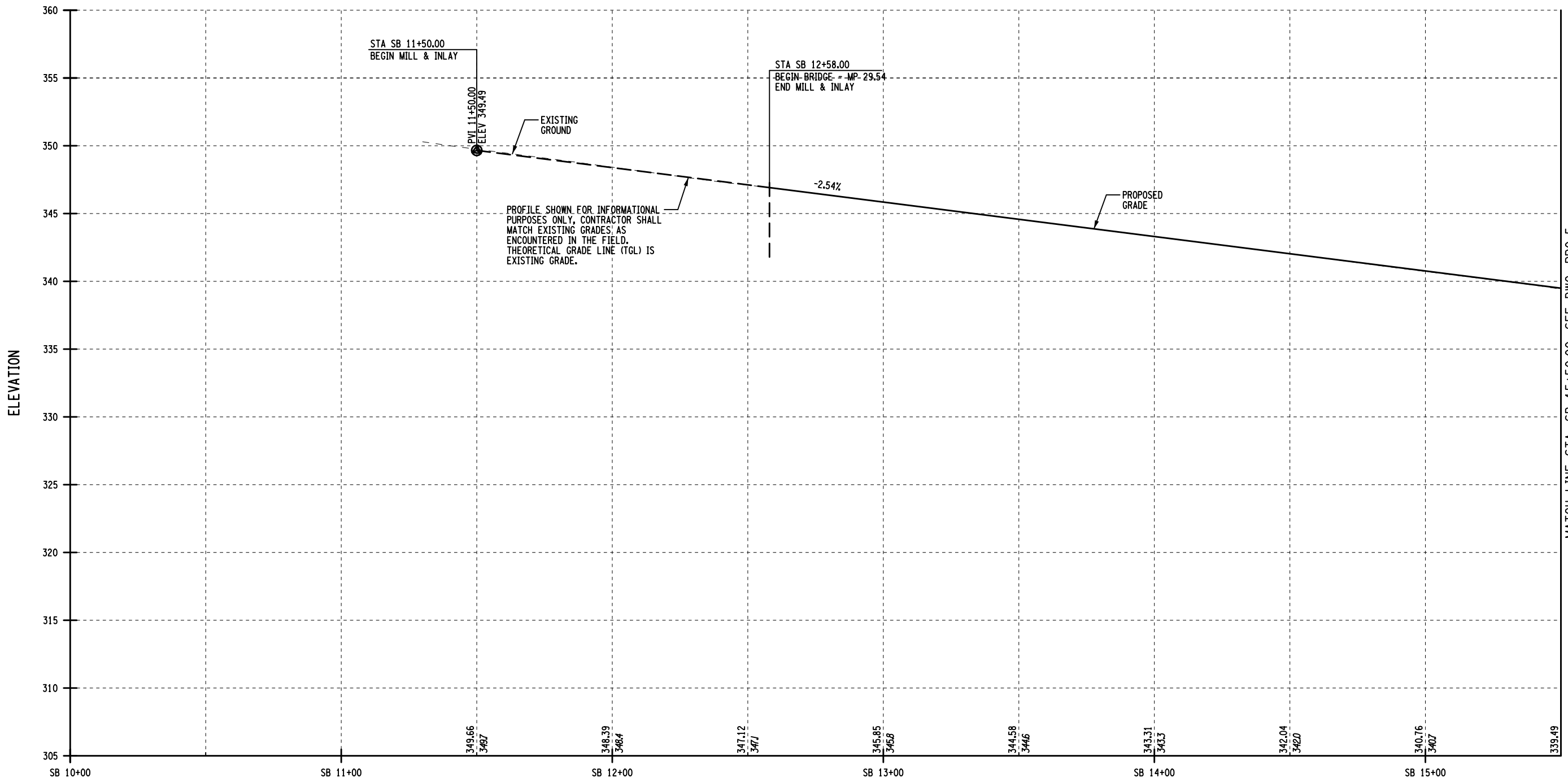
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-3

FILE NAME = DATE/TIME = 15-MAY-2024 20:03 USER = jmtpr11-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



MATCH LINE STA. SB 15+50.00, SEE DWG. PRO-5

I-87 SOUTHBOUND PROFILE

ALTERED BY: _____ ON: _____
AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD ON: 05/15/2024

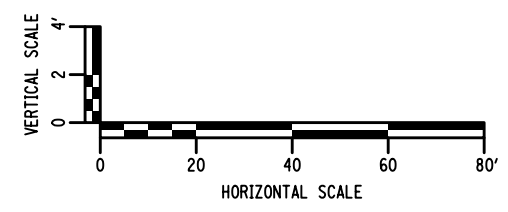


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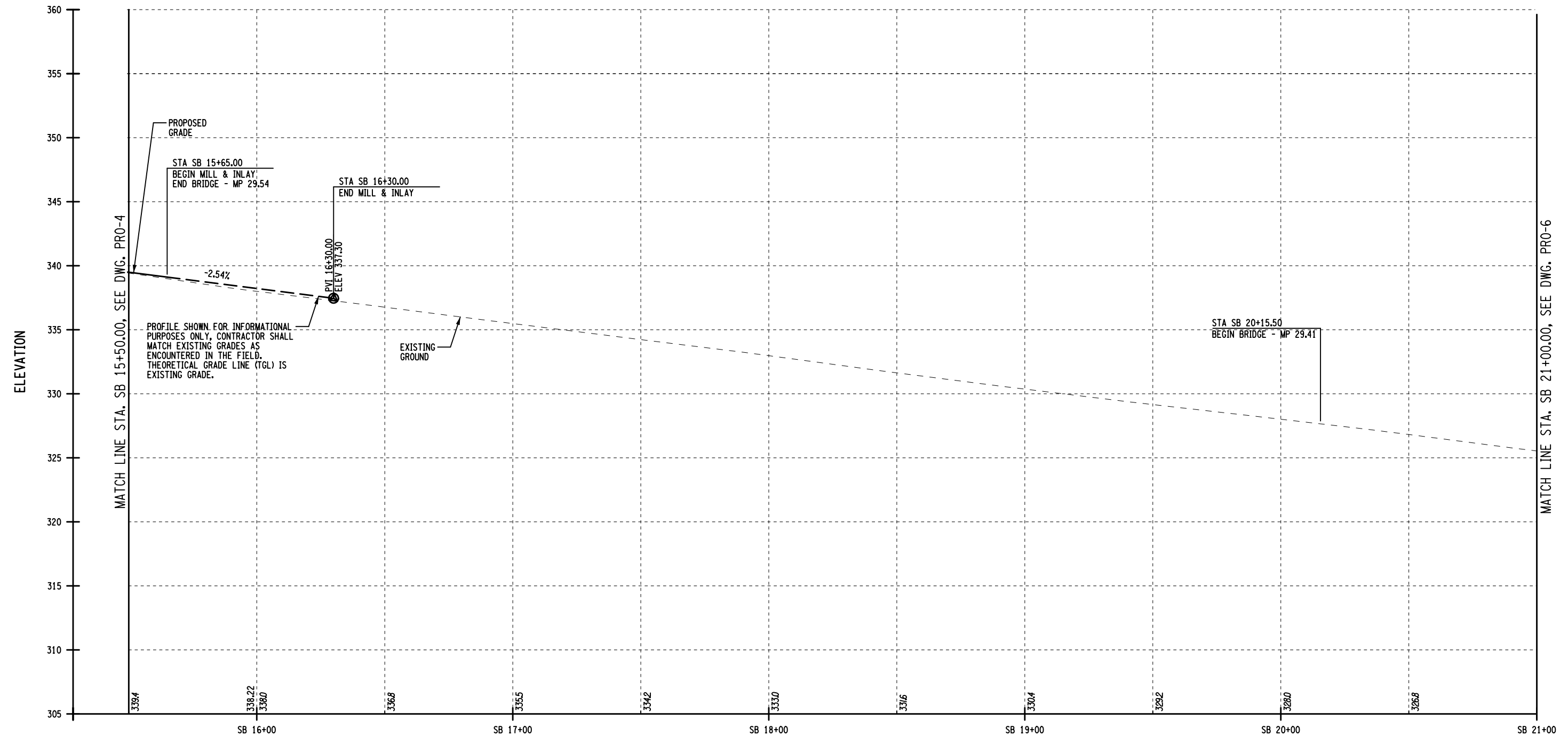
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DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-4



FILE NAME = DATE/TIME = 15-MAY-2024 20:03 USER = jmtpr11-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK T. BURTNICK DRAFTING M. COLLINGWOOD CHECK M. COLLINGWOOD



I-87 SOUTHBOUND PROFILE

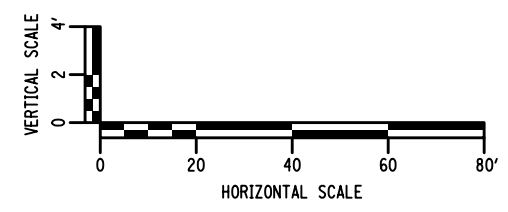
ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



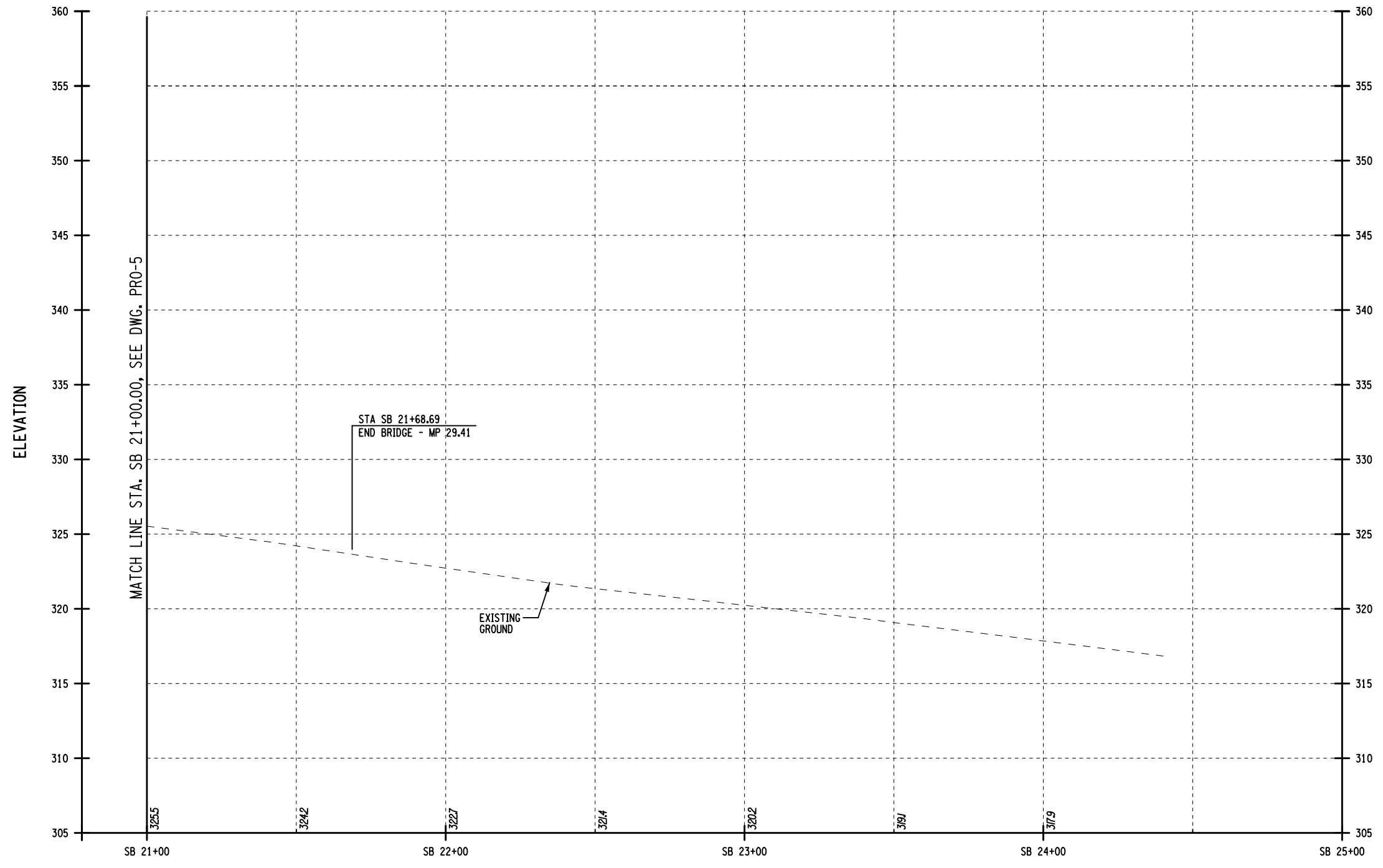
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

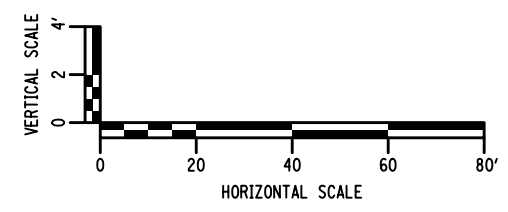


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-5

FILE NAME = DATE/TIME = 15-MAY-2024 20:04 USER = jmtpr11-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



I-87 SOUTHBOUND PROFILE



ALTERED BY: _____
ON: _____

AFFIX SEAL: MATTHEW WAYNE COLLINGWOOD
ON: 05/15/2024



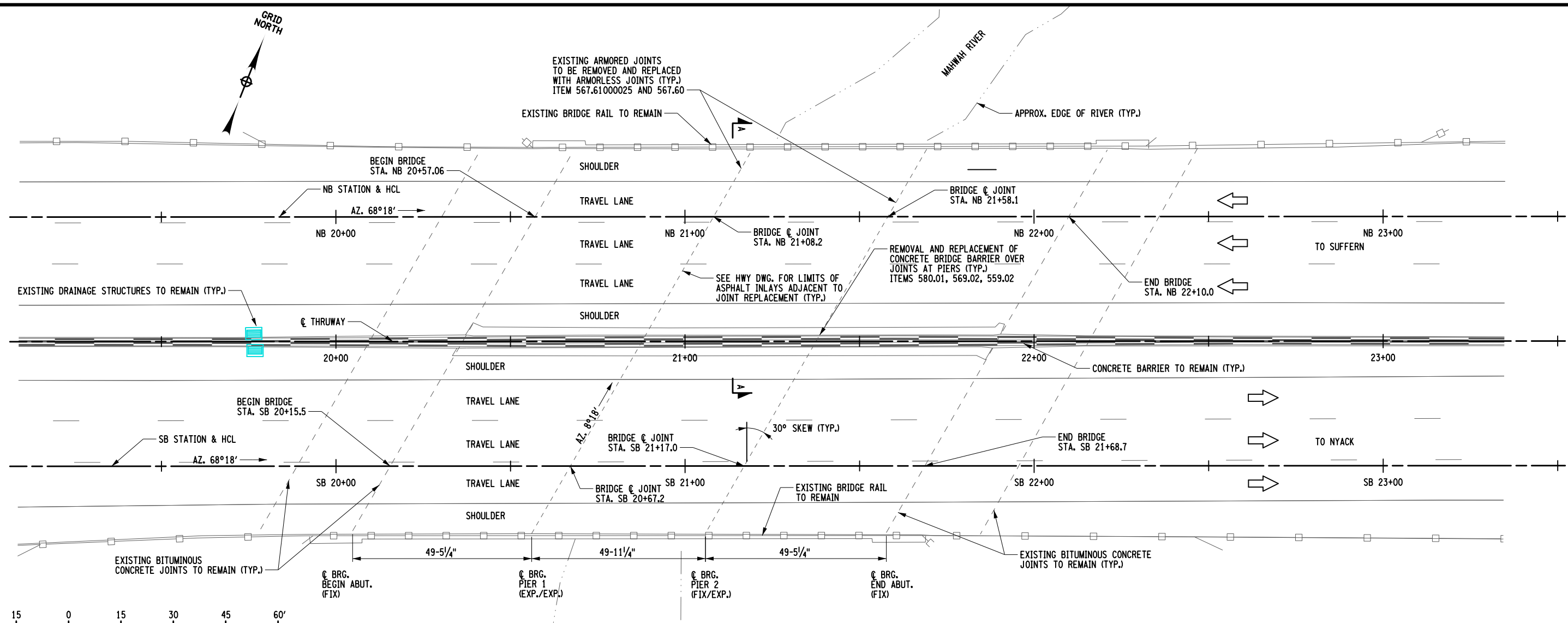
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



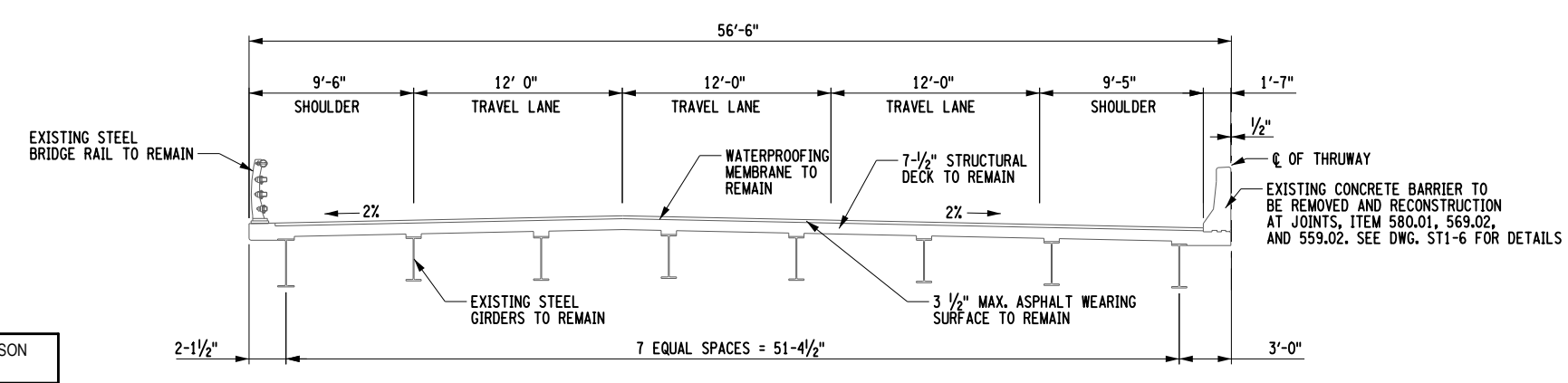
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-6

R. HENDERSON
 CHECK
 R. DAUCHER
 DRAFTING
 R. HENDERSON
 CHECK
 T. BENINATI
 DESIGN
 R. HENDERSON
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 18:06
 USER = jmp011-pr-svc
 FILE NAME =



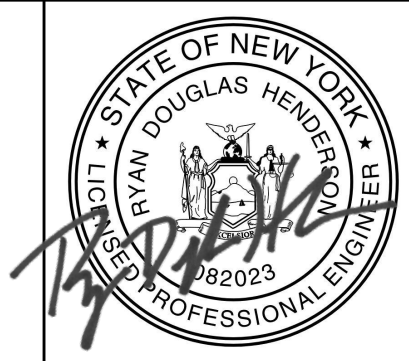
PLAN

- WORK TO BE DONE:
1. SET UP TEMPORARY LANE CLOSURES, SEE HIGHWAY DRAWINGS.
 2. REMOVE EXISTING CONCRETE MEDIAN BARRIER AT JOINTS AT PIERS 1 AND 2, AS REQUIRED.
 3. REMOVE EXISTING JOINTS AT PIERS 1 AND 2.
 4. INSTALL NEW JOINTS AND HEADER POURS AT PIERS 1 AND 2.
 5. FORM AND POUR NEW CONCRETE BARRIER AT JOINTS AT PIERS 1 AND 2, AS REQUIRED.
 6. OPEN THRUWAY TO TRAFFIC.
 7. REPEAT PROCESS WITH OTHER TEMPORARY LANE CLOSURES UNTIL FULL REPLACEMENT OF JOINTS IS COMPLETE AT PIERS 1 AND 2.



A-A TRANSVERSE SECTION
(NORTHBOUND SHOWN, SOUTHBOUND SIMILAR)
NOT TO SCALE

ALTERED BY: ON:
AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER		CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41		DATE: 05/15/2024
TITLE OF DRAWING GENERAL PLAN AND SECTION		DRAWING NUMBER: ST1-1

BIN 5514129 MP 29.41

GENERAL NOTES

- DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF MAY 2024 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: $f'_c = 4,000$ psi.)
- THIS BRIDGE, 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.
- 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.
- ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.
- MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN THE STRUCTURE(S) CONTAINED IN THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURE(S) AND/OR ENCOUNTERED DURING FIELD INSPECTIONS. ALL KNOWN ASBESTOS CONTAINING MATERIALS HAVE BEEN INDICATED IN THE CONTRACT DOCUMENTS.

SUPERSTRUCTURE SLAB NOTES

- TOP SURFACES OF EXPOSED SURFACES OF NEW CONCRETE PARAPETS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.02 PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE. ONLY PENETRATING TYPE SEALERS SHALL BE USED.
- CARE SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE WATERWAY BY THE SEALER. IF THE MANUFACTURER'S 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 THE APPLICATION 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 NOTES

- RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE AS SUPPLEMENTAL INFORMATION FOR REVIEW BY ALL PROSPECTIVE BIDDERS ON THE AUTHORITY'S WEBSITE PRIOR TO THE LETTING DATE. REFER TO CONTRACTS HT53-4, TA669-1, TANY79-8B, D253854, TANY06-27, TANY09-37B, TANY15-8.

RECONSTRUCTION NOTES

- DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

- WHEN ITEMS IN THE CONTRACT REQUIRE MATERIAL TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.
- ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED. PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED THEN PRE-WET FOR 12 HOURS. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE REPAIR ITEMS IN THE CONTRACT.
- THE EMBEDMENT DEPTH SHOWN IN THE PLANS FOR DRILLING AND GROUTING IS FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S ENGINEER SHALL DETERMINE THE DEVELOPMENT LENGTH REQUIRED TO DEVELOP THE FULL STRENGTH OF THE ANCHOR ROD AND/OR REINFORCING BAR. THE CALCULATIONS SHALL BE BASED ON THE SIZE OF THE ROD/BAR, ACTUAL EDGE DISTANCE TO THE ROD/BAR, THE PROXIMITY TO OTHER RODS/BARS, ESTIMATED CONCRETE STRENGTH, AND THE GROUT SUPPLIER'S RECOMMENDATIONS. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND DETAILS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER TO THE ENGINEER FOR APPROVAL.
- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
- THE CONTRACTOR SHALL KEEP ALL BRIDGE DRAINS CLEAN AND FREE FLOWING DURING THE LIFE OF THE CONTRACT. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS SUPERSTRUCTURE ITEMS IN THE CONTRACT.

MISCELLANEOUS NOTES

- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, CONSTRUCTION MATERIALS OR OTHER FOREIGN MATERIALS, OR FROM THE OPERATION OF EQUIPMENT IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THE STREAM TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.

INDEX OF DRAWINGS		
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
65	GENERAL PLAN AND SECTION	ST1-1
66	GENERAL NOTES, ESTIMATE OF QUANTITIES AND INDEX OF DRAWINGS	ST1-2
67	PIER JOINT REMOVAL PLAN	ST1-3
68	PIER JOINT REMOVAL SECTIONS	ST1-4
69	PROPOSED PIER JOINT DETAILS	ST1-5
70	CONCRETE BARRIER DETAILS	ST1-6
71	BAR LIST	ST1-7

ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QTY	FINAL QTY
210.480301	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	LS	1	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	1300	
559.01	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS	SF	520	
559.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE	SF	180	
567.60	ARMORLESS BRIDGE JOINT SYSTEM	LF	260	
567.61000025	REMOVAL OF EXISTING BRIDGE JOINT	LF	260	
569.02	PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES (HALFSECTION)	LF	40	
569.99	PERFORMANCE CONCRETE QUALITY ADJUSTMENT-CAST IN PLACE CONCRETE BARRIER	QU	1	
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	7	
586.0201	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	EA	65	
586.0301	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS WITH PULLOUT TESTS	EA	65	

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 DESIGN SUPERVISOR R. HENDERSON
 T. BENINATI
 DRAFTING
 R. DAUCHER
 CHECK
 R. HENDERSON
 R. HENDERSON

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



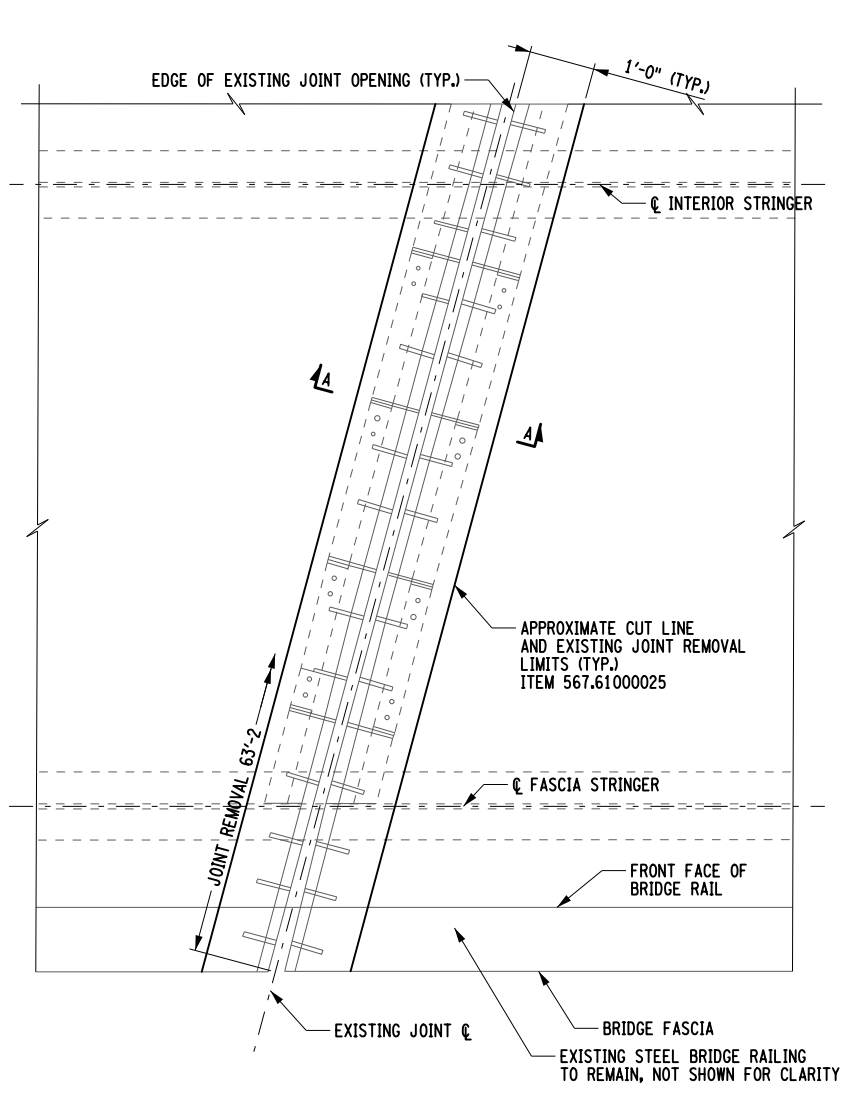
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

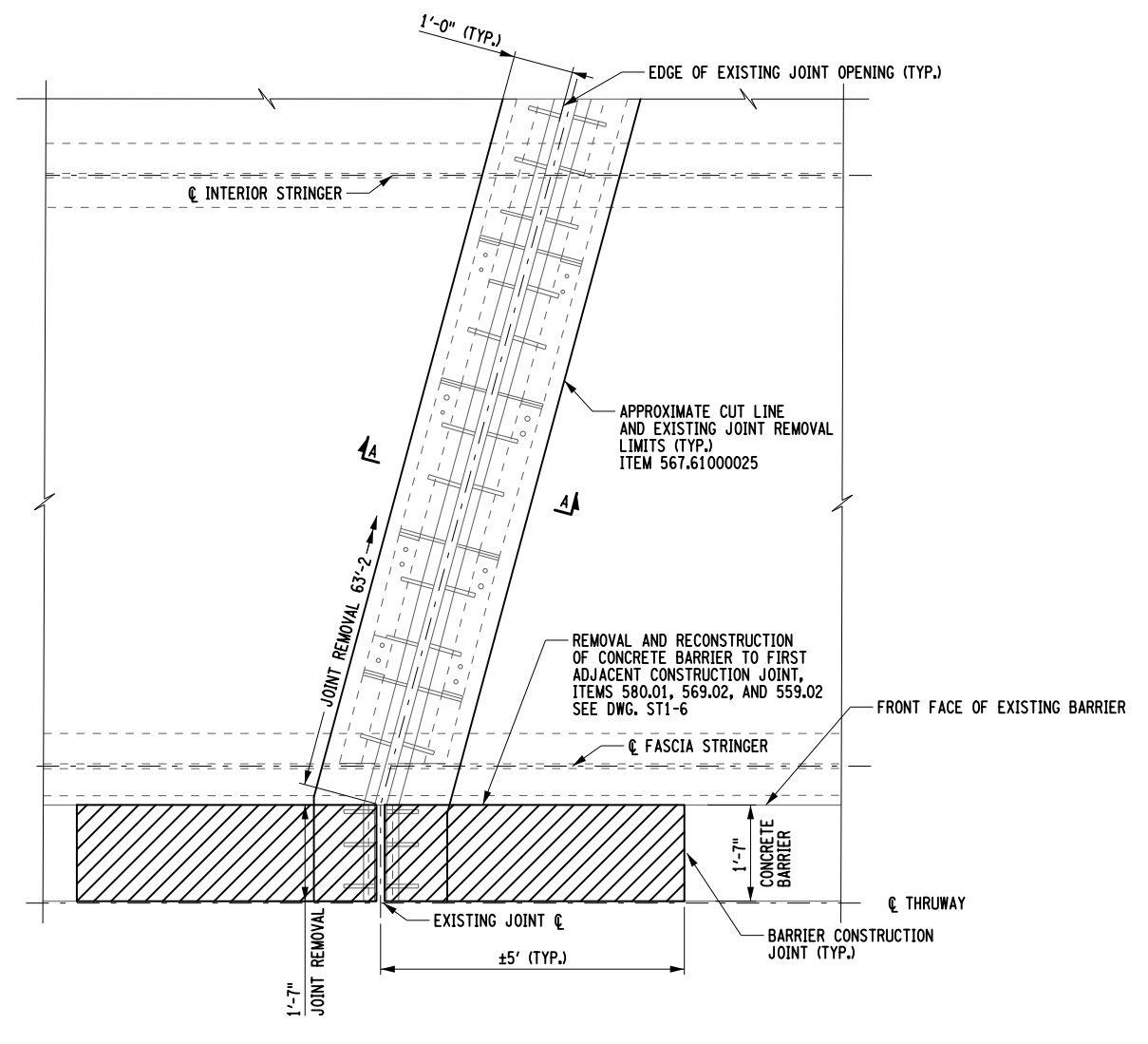


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING GENERAL NOTES, ESTIMATE OF QUANTITIES AND INDEX OF DRAWINGS	DRAWING NUMBER: ST1-2

BIN 5514129 MP 29.41



JOINT REMOVAL PLAN AT FASCIA
SOUTHBOUND PIER 1 SHOWN, PIER 2 AND
NORTHBOUND STRUCTURE SIMILAR
NOT TO SCALE



JOINT REMOVAL PLAN AT MEDIAN
NORTHBOUND PIER 1 SHOWN, PIER 2 AND
SOUTHBOUND STRUCTURE SIMILAR
NOT TO SCALE

- NOTES:
1. SAWCUT DEPTH THROUGH EXISTING CONCRETE HEADER SHOWN IN SECTION.
 2. REMOVE ALL COMPONENTS OF EXISTING ARMORED JOINT, AS SHOWN HEREIN. INCLUDE ALL COSTS UNDER ITEM 567.61000025.
 3. FOR NEW JOINT DETAILS SEE DWG. ST1-5.
 4. REMOVAL OF EXISTING STEEL BRIDGE RAIL AT FASCIA IS NOT REQUIRED.

BIN 5514129 MP 29.41

FILE NAME = USER = jmtpx11-pr-svc CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON DESIGN T. BENINATI DATE/TIME = 15-MAY-2024 18:06

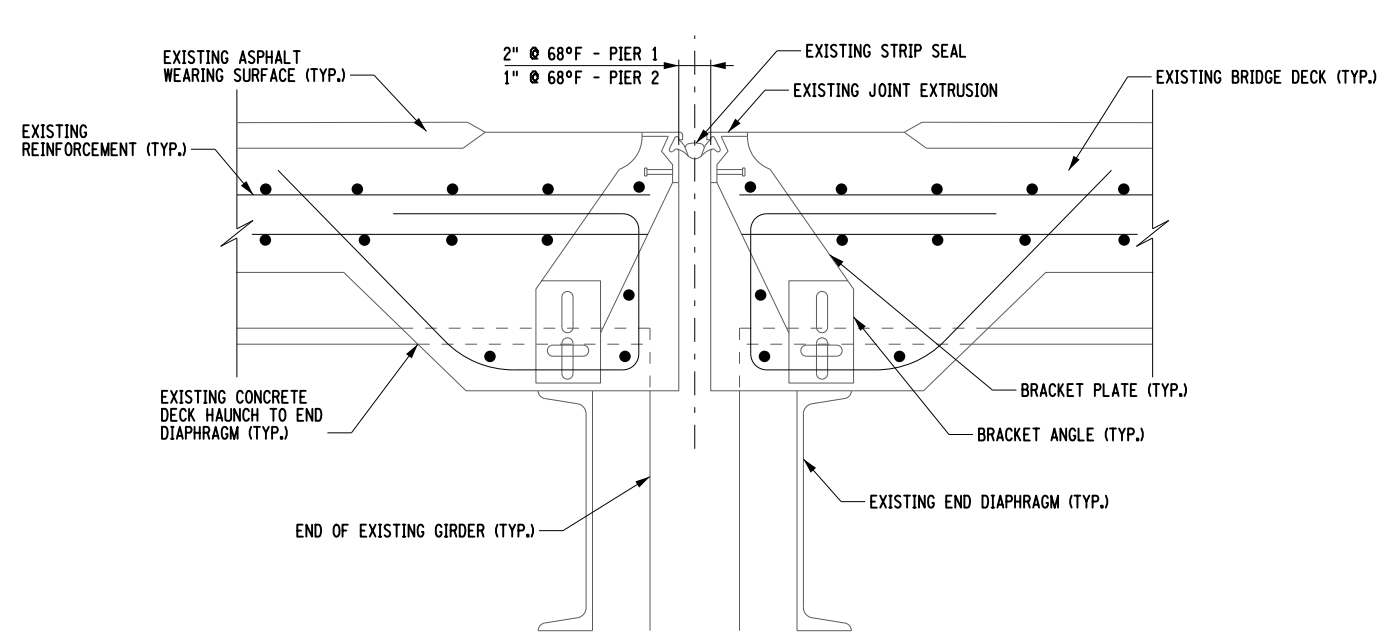
ALTERED BY: ON:	AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024

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

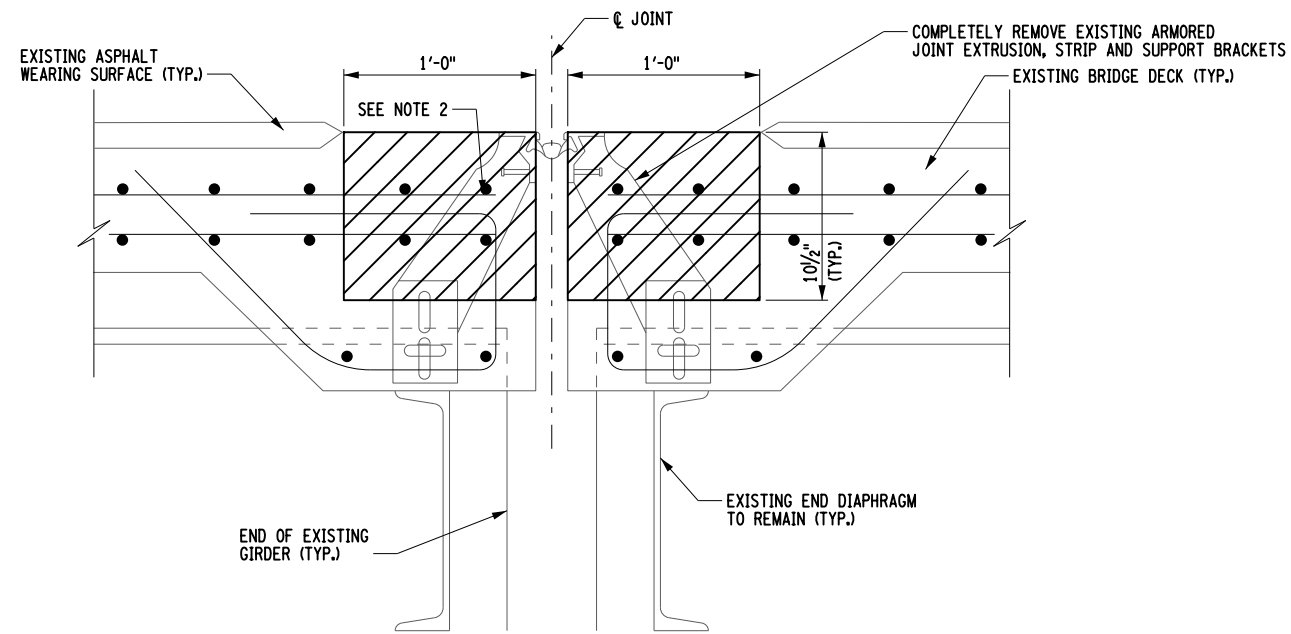
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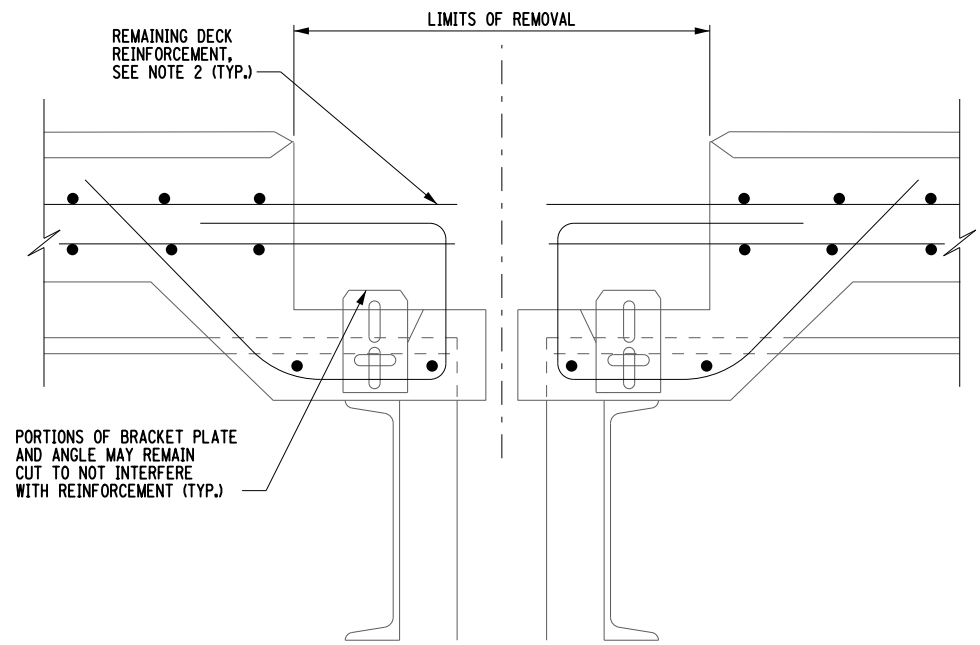
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LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PIER JOINT REMOVAL PLAN	DRAWING NUMBER: ST1-3




SECTION A-A THRU EXISTING JOINT
NOT TO SCALE



SECTION A-A JOINT REMOVAL LIMITS
NOT TO SCALE



SECTION A-A READY FOR JOINT INSTALLATION
NOT TO SCALE


LEGEND
 REMOVAL OF EXISTING JOINT SYSTEM PAID FOR UNDER ITEM 567.61000025

- NOTES:
1. REMOVE ALL COMPONENTS OF EXISTING JOINT WITHIN LIMITS SHOWN, INCLUDE ALL COSTS UNDER ITEM 567.61000025.
 2. ALL LONGITUDINAL AND HOOKED DECK SLAB REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. INCLUDE ALL COSTS UNDER ITEM 567.61000025.
 3. FOR NEW JOINT DETAILS SEE DWGS. ST1-5.

USER = jmtpx11-pr-svc
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 DESIGN SUPERVISOR R. HENDERSON
 DESIGN T. BENINATI
 CHECK R. HENDERSON
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 R. HENDERSON

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024



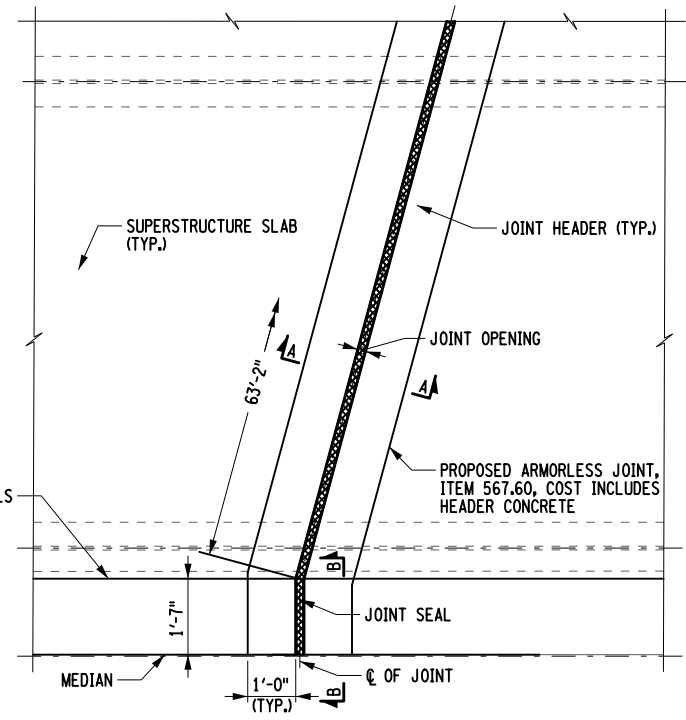
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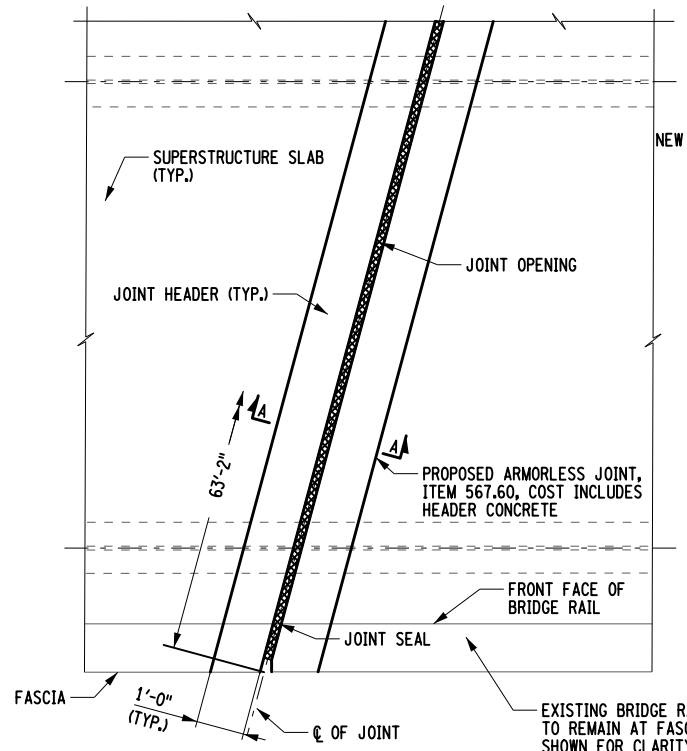


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER		CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41		DATE: 05/15/2024
TITLE OF DRAWING PIER JOINT REMOVAL SECTIONS		DRAWING NUMBER: ST1-4

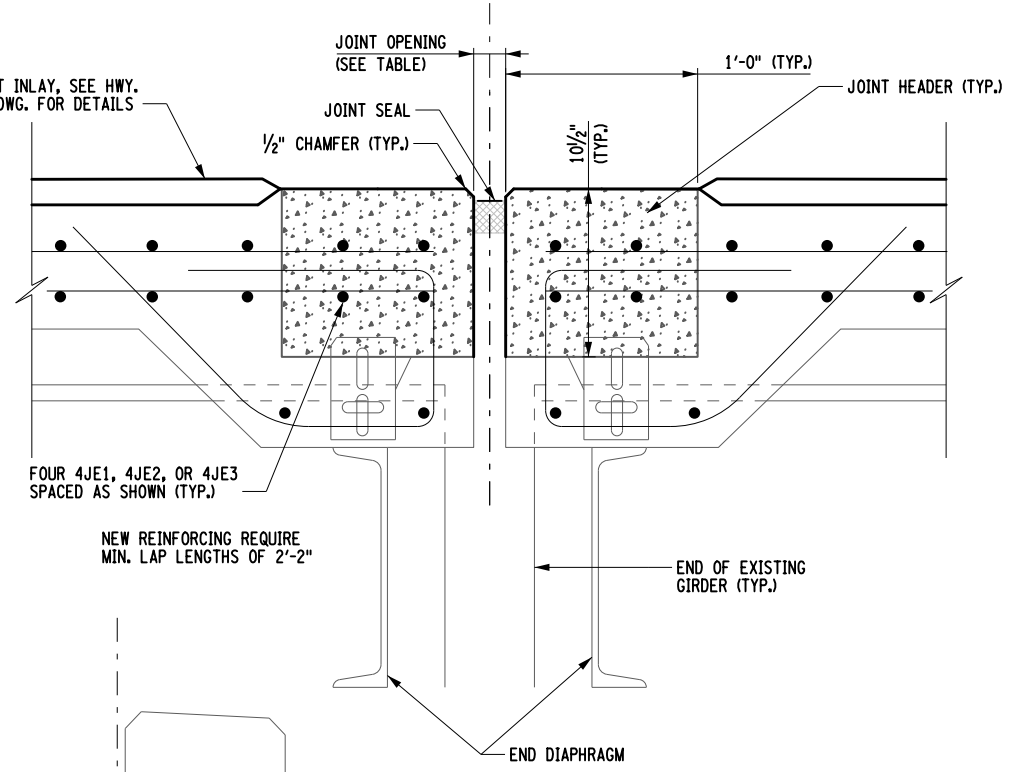
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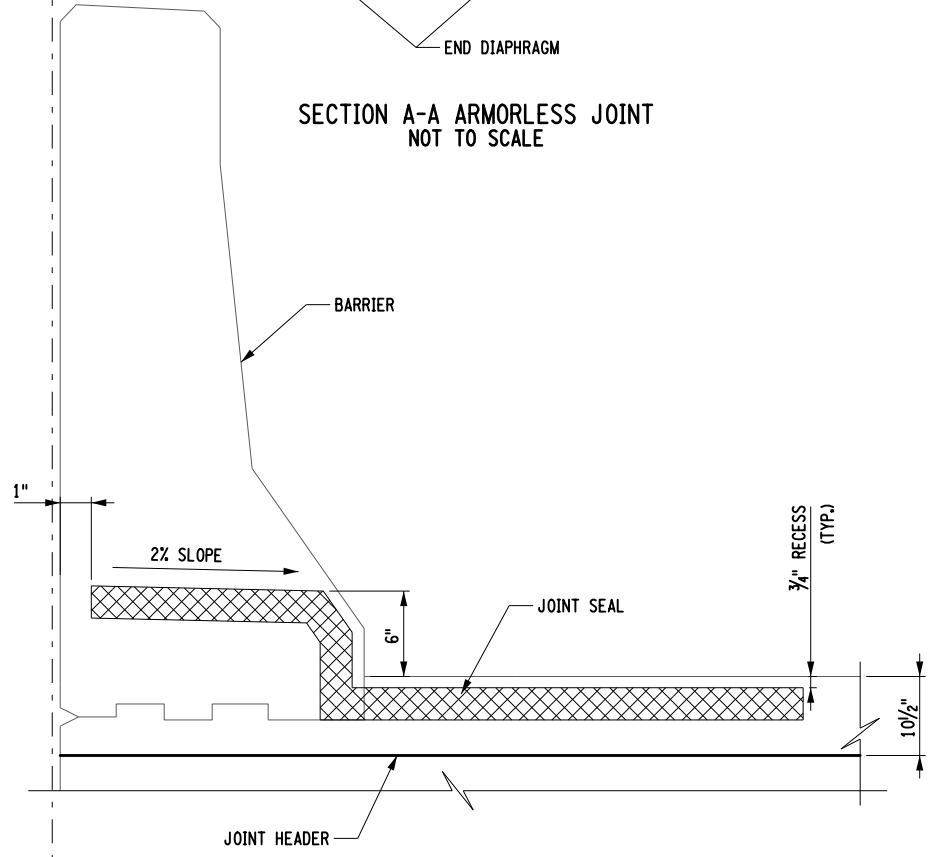
PROPOSED JOINT PLAN AT MEDIAN
NORTHBOUND PIER 1 SHOWN, PIER 2 AND
SOUTHBOUND STRUCTURE SIMILAR
NOT TO SCALE



PROPOSED JOINT PLAN AT FASCIA
SOUTHBOUND PIER 1 SHOWN, PIER 2 AND
NORTHBOUND STRUCTURE SIMILAR
NOT TO SCALE



SECTION A-A ARMORLESS JOINT
NOT TO SCALE



SECTION B-B
SECTION AT MEDIAN BARRIER
NOT TO SCALE

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

NOTES:
MIN. OPENING (IN.) = 1.125
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.25
TOTAL MOVEMENT (IN.) = 1.25

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

NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 1.625
TOTAL MOVEMENT (IN.) = 0.625

- 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. 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.
 5. PROTECTIVE SEALING TO BE PLACED ON EXPOSED HEADER POUR CONCRETE, ITEM 559.01

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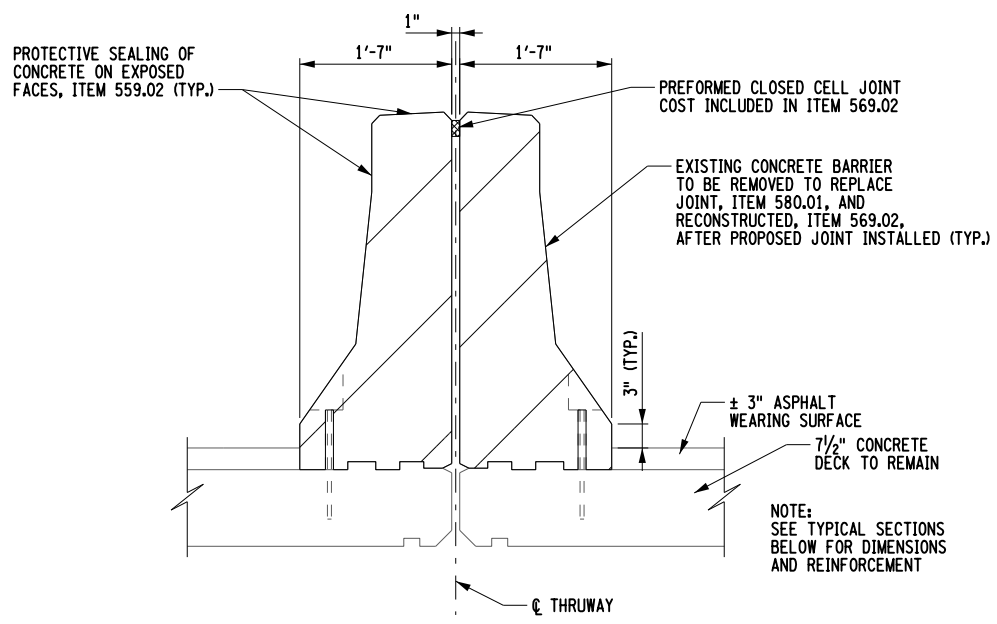


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PROPOSED PIER JOINT DETAILS	DRAWING NUMBER: ST1-5

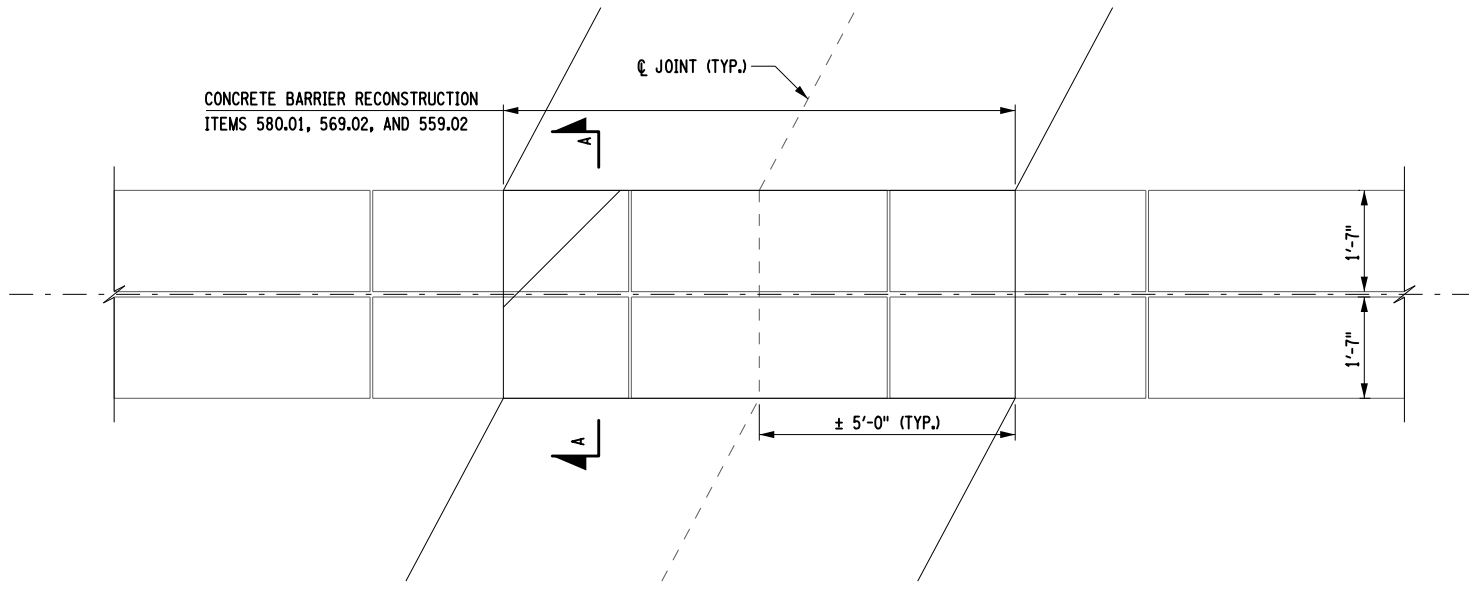
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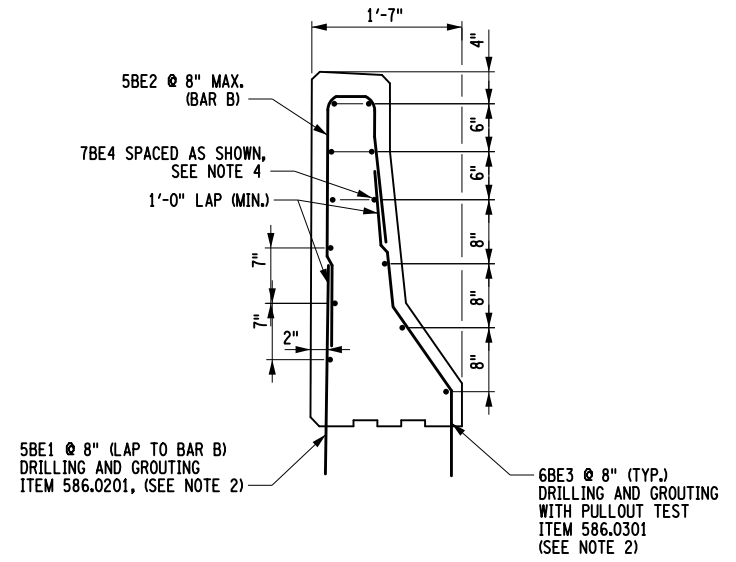
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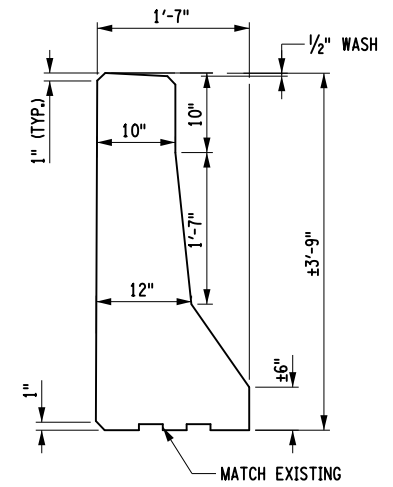
SECTION A-A PRECAST MEDIAN BARRIER RECONSTRUCTION
NOT TO SCALE



PRECAST MEDIAN BARRIER PLAN
PIER 1 SHOWN, PIER 2 SIMILAR
NOT TO SCALE

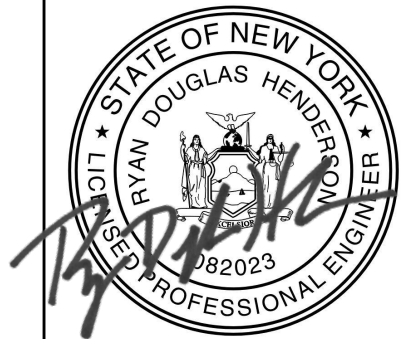


TYPICAL BARRIER SECTION REINFORCEMENT
NOT TO SCALE



TYPICAL BARRIER SECTION DIMENSIONS
NOT TO SCALE

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



- NOTES:
1. (E) DENOTES EPOXY COATED BARS
 2. EMBEDMENT OF DRILL AND GROUT BARS BASED ON MANUFACTURER'S REQUIREMENTS 5BE1 & 6BE3 LENGTHS TO BE ADJUSTED ACCORDINGLY.
 3. ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE SPECIFIED.
 4. EXISTING LONGITUDINAL REINFORCING IN EXISTING BARRIER TO REMAIN, 7BE4 REINFORCING TO BE LAPPED TO EXISTING REINFORCEMENT WHEN POSSIBLE.

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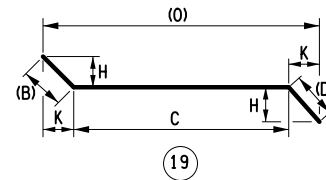
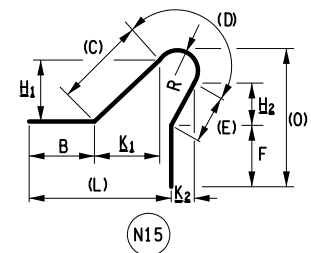
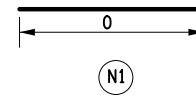


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER		CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41		DATE: 05/15/2024
TITLE OF DRAWING CONCRETE BARRIER DETAILS		DRAWING NUMBER: ST1-6

BIN 5514129 MP 29.41

FILE NAME = DATE/TIME = 15-MAY-2024 18:06 USER = jmtpe11-pr-svc DESIGN SUPERVISOR R. HENDERSON DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R
NB JOINT																			
4JE1	16	31-10	N1	340															31-10
		AVG.																	AVG.
4JE2	16	30-7	N1	327															30-6 3/4
4JE2	0	VARIES	FROM		29-11 3/4	TO	31-1 3/4	(1	SET OF	16)									
		AVG.					AVG.					AVG.			AVG.				AVG.
4JE3	16	3-7	19	38		1-4 3/4	2-2	0-0				0-8 1/2	0-0		1-2 3/4	0-0			3-4 1/2
4JE3	H/H1	VARIES	FROM		0-7	TO	0-9 3/4	(1	SET OF	16)									
4JE3	K/K1	VARIES	FROM		1-0 1/4	TO	1-5	(1	SET OF	16)									
SUBTOTAL EPOXY BARS				705	LB	THIS POUR													
SB JOINT																			
4JE1	16	31-10	N1	340															31-10
		AVG.																	AVG.
4JE2	16	30-7	N1	327															30-6 3/4
4JE2	0	VARIES	FROM		29-11 3/4	TO	31-1 3/4	(1	SET OF	16)									
		AVG.					AVG.					AVG.			AVG.				AVG.
4JE3	16	3-7	19	38		1-4 3/4	2-2	0-0				0-8 1/2	0-0		1-2 3/4	0-0			3-4 1/2
4JE3	H/H1	VARIES	FROM		0-7	TO	0-9 3/4	(1	SET OF	16)									
4JE3	K/K1	VARIES	FROM		1-0 1/4	TO	1-5	(1	SET OF	16)									
SUBTOTAL EPOXY BARS				705	LB	THIS POUR													
NB MEDIAN BARRIER																			
5BE1	32	2-3	N1	75															2-3
5BE2	32	6-2	N15	204		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
6BE3	32	3-6	19	168		1-8 1/2	0-10	0-11 1/4				0-10	0-6 1/2		1-6	0-9 1/4			3-1 1/4
7BE4	48	4-8	N1	458															4-8
SUBTOTAL EPOXY BARS				905	LB	THIS POUR													
SB MEDIAN BARRIER																			
5BE1	32	2-3	N1	75															2-3
5BE2	32	6-2	N15	204		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
6BE3	32	3-6	19	168		1-8 1/2	0-10	0-11 1/4				0-10	0-6 1/2		1-6	0-9 1/4			3-1 1/4
7BE4	48	4-8	N1	458															4-8
SUBTOTAL EPOXY BARS				905	LB	THIS POUR													
TOTAL EPOXY BARS				1410	LB	IN ABUTMENT													
TOTAL EPOXY BARS				1810	LB	IN BARRIER													
TOTAL EPOXY BARS				3220	LB	ENTIRE STRUCTURE													



ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

NOTE:
BAR LENGTHS FOR JOINTS ASSUMED, ACTUAL
BAR LENGTHS WILL DEPEND ON CONTRACTORS
PROPOSED STAGING FOR JOINT REPLACEMENT

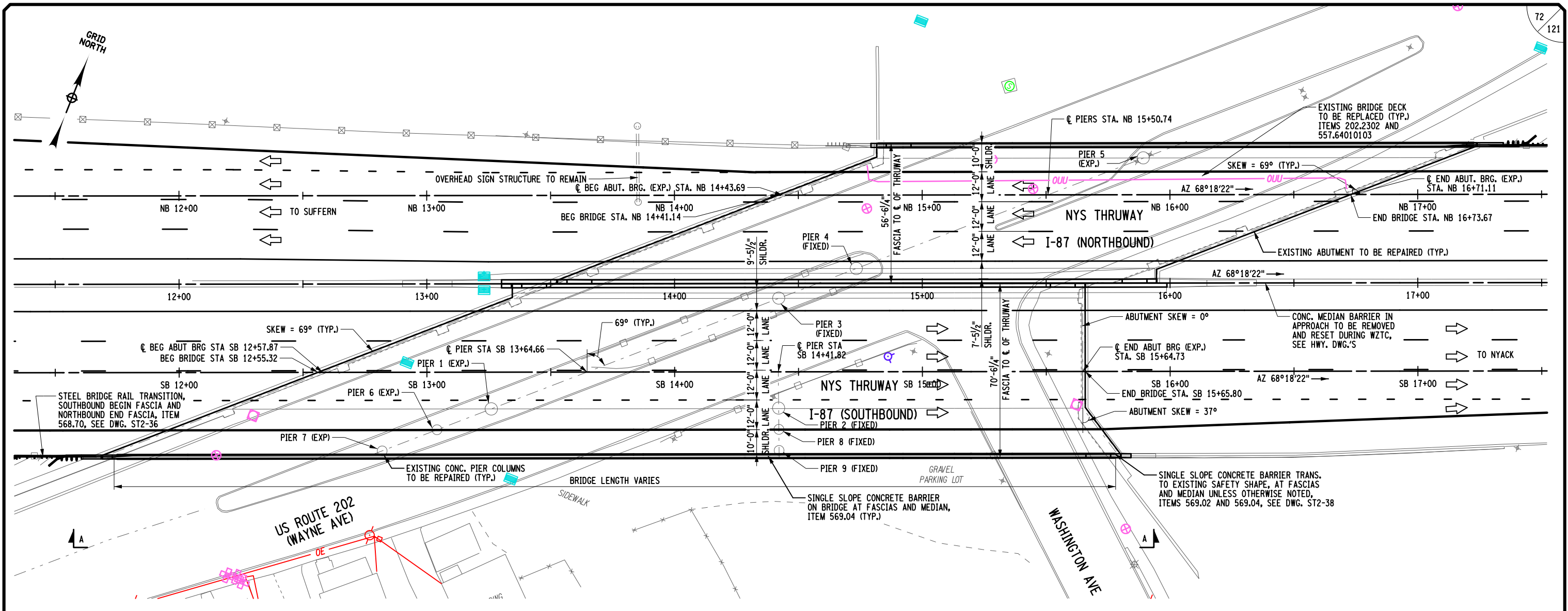
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

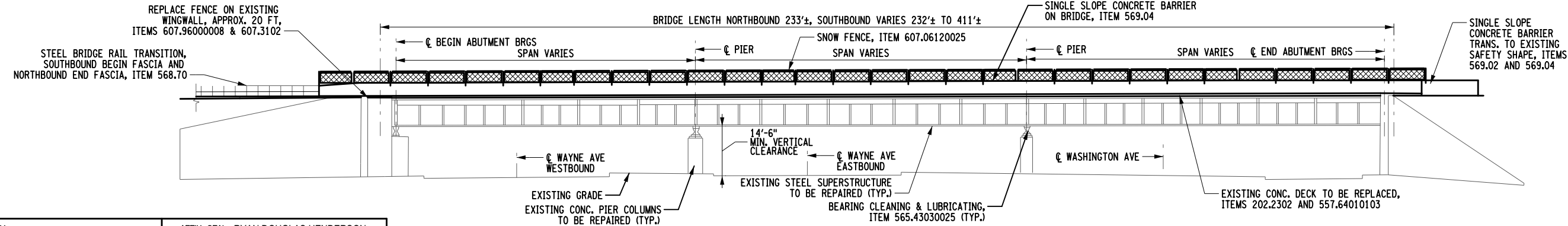


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING BAR LIST	DRAWING NUMBER: ST1-7

USER = jmtpr11-pr-svc
 DATE/TIME = 15-MAY-2024 2:13
 FILE NAME =
 DESIGN SUPERVISOR R. HENDERSON
 DESIGN T. BENINATI
 CHECK R. HENDERSON
 DRAFTING R. DAUCHER
 CHECK R. HENDERSON
 R. HENDERSON



PLAN



ELEVATION A-A

ALTERED BY:
ON:

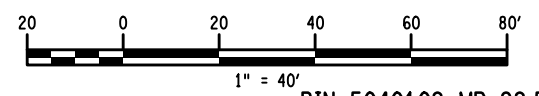
AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

LOAD RATING			
	(LFR)		CONTROLLING MEMBER
INVENTORY	HS	36 TONS	SB STRINGER NEG. MOM. BENDING
OPERATING	HS	61 TONS	SB STRINGER NEG. MOM. BENDING

HS-20 LIVE LOADING (LFR)

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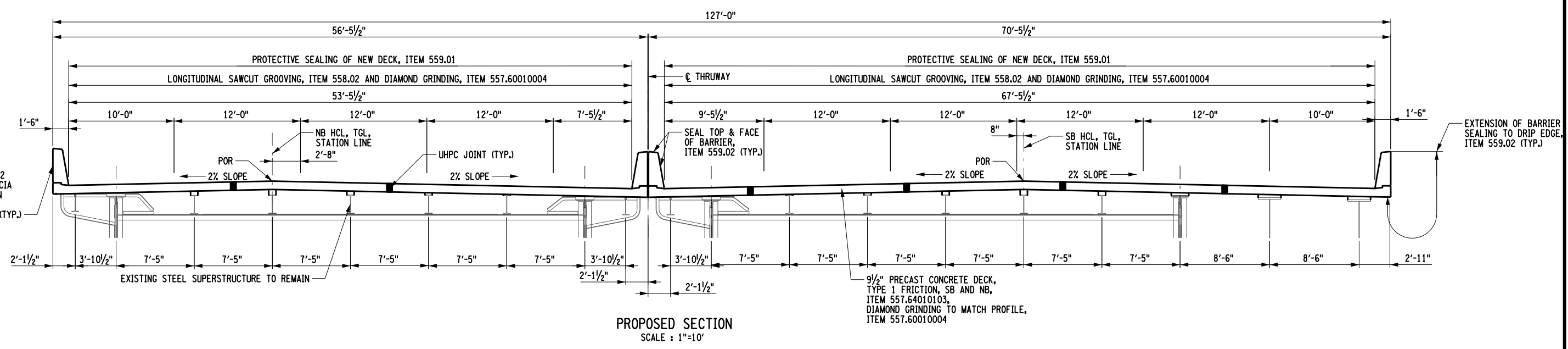
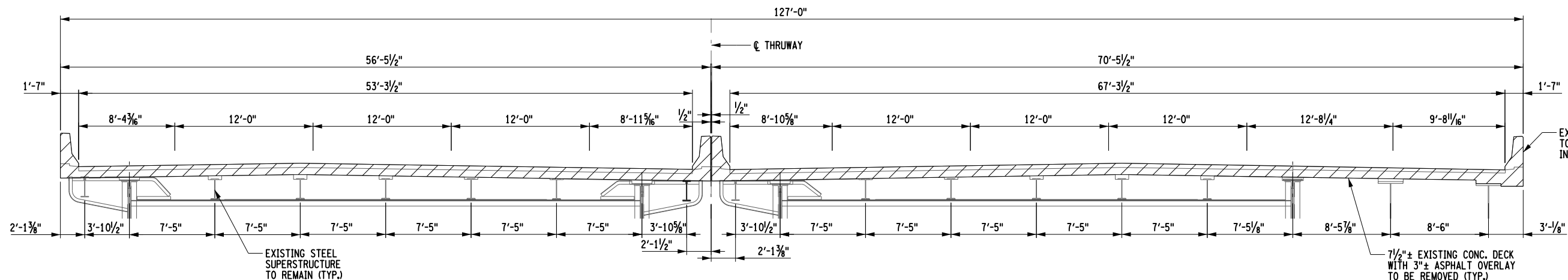
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NOTES:
1. SEE DWG. ST2-4 FOR WORK TO BE DONE.

BIN 5040109 MP 29.54

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING GENERAL PLAN AND ELEVATION	DRAWING NUMBER: ST2-1



USER = jmtpx11-pr-svc
 DATE/TIME = 15-MAY-2024 2:10
 FILE NAME =
 DESIGN SUPERVISOR R. HENDERSON
 DESIGN T. BENINATI
 CHECK R. HENDERSON
 DRAFTING R. HENDERSON
 CHECK R. DAUCHER
 R. HENDERSON
 R. HENDERSON

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

- NOTES
1. SEE DWG. ST2-34 FOR LIMITS OF CONCRETE BARRIER AND FENCING
 2. SEE DWG. ST2-24 FOR PRECAST PANEL DETAILS.
 3. SEE DWG. ST2-5 FOR STAGE LIMITS OF STRUCTURAL SLAB REMOVAL.
 4. SEE DWG. ST2-6 FOR LOCATIONS OF PROPOSED STEEL REPAIRS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

TITLE OF PROJECT
REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER

LOCATION OF PROJECT
NEW YORK DIVISION
MILEPOSTS 29.54 AND 29.41

TITLE OF DRAWING
TYPICAL BRIDGE SECTION

CONTRACT NUMBER:
TANY 24-26B

DATE:
05/15/2024

DRAWING NUMBER:
ST2-2

BIN 5040109 MP 29.54

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QTY	FINAL QTY
202.2302	REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS (WITHOUT SHEAR CONNECTIONS) -TYPE B	SF	35070	
210.480302	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	LS	1	
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY	60	
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT-CONCRETE FOR STRUCTURES	QU	1	
556.0201	UNCOATED BAR REINFORCEMENT FOR CONCRETE STRUCTURES	LB	10	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	6020	
557.1011	STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE - TYPE 1 FRICTION	SY	97	
557.60010004	FULL DIAMOND GRINDING OF STRUCTURAL SLAB AND STRUCTURAL APPROACH SLAB WITH SLURRY REMOVAL	SY	3705	
557.64010103	PRECAST CONCRETE DECK-TYPE 1 FRICTION	SY	3900	
557.9901	PERFORMANCE CONCRETE QUALITY ADJUSTMENT-SUPERSTRUCTURE AND APPROACH SLAB	QU	1	
558.02	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE	SY	3705	
559.01	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS	SF	35170	
559.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE	SF	8800	
559.04	PROTECTIVE SEALING OF CONCRETE WITH COATING TYPE PROTECTIVE SEALER	SF	20521	
564.510001	STRUCTURAL STEEL	LB	1660	
564.510002	STRUCTURAL STEEL	LB	1160	
564.85010125	REPAIR OF STRUCTURAL STEEL	LS	1	
565.43030025	BRIDGE BEARING CLEANING AND LUBRICATING	EACH	27	
566.01	MODULAR EXPANSION JOINT SYSTEM-ONE CELL	LF	146	
566.02	MODULAR EXPANSION JOINT SYSTEM-TWO CELL	LF	330	
567.60	ARMORLESS BRIDGE JOINT SYSTEM	LF	76	
567.61000025	REMOVAL OF EXISTING BRIDGE JOINT	LF	550	
568.70	TRANSITION BRIDGE RAILING	LF	80	
569.02	PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES (HALFSECTION)	LF	150	
569.04	SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER	LF	1065	
569.99	PERFORMANCE CONCRETE QUALITY ADJUSTMENT-CAST IN PLACE CONCRETE BARRIER	QU	1	
570.01	LEAD EXPOSURE CONTROL PLAN	LS	1	
570.02	MEDICAL TESTING	DC	8000	
570.03	PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS	DC	4000	
570.04	DECONTAMINATION FACILITIES	CW	8	
570.090001	ENVIRONMENTAL GROUND PROTECTION	LS	1	
570.090002	ENVIRONMENTAL GROUND PROTECTION	LS	1	
570.090003	ENVIRONMENTAL GROUND PROTECTION	LS	1	
570.090004	ENVIRONMENTAL GROUND PROTECTION	LS	1	
570.160001	CLASS B CONTAINMENT FOR PAINT REMOVAL	LS	1	
570.160002	CLASS B CONTAINMENT FOR PAINT REMOVAL	LS	1	
570.160003	CLASS B CONTAINMENT FOR PAINT REMOVAL	LS	1	
570.33350025	LOCALIZED CLEANING AND PAINTING AT STEEL REPAIRS	LS	1	
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	11	
580.04	REMOVAL OF CONCRETE APPROACH SLAB	SF	880	
582.0051	REMOVAL OF REPLACEMENT OF STRUCTURAL CONCRETE	CY	4	
582.99	PERFORMANCE CONCRETE QUALITY ADJUSTMENT-REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	QU	1	
582.0061	REMOVAL OF STRUCTURAL CONCRETE-REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL	SF	665	
586.0201	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	EACH	140	
586.0301	DRILLING AND GROUTING BOLTS OR REINFORCING BARS WITH PULLOUT TESTS	EACH	140	
586.05	REMOVAL OF RIVETS-REPLACEMENT WITH HIGH STRENGTH BOLTS	EACH	286	
586.10	FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL	EACH	92	
589.010001	REMOVAL OF EXISTING STEEL	LB	1660	
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF	80	
607.06120025	PROTECTIVE SCREENING SNOW FENCE	LF	660	
607.3102	OPTIONAL CHAIN-LINK FENCE, TYPE I, WITH TOP TENSION WIRE 6 FEET HIGH	LF	20	
607.96000008	REMOVE AND DISPOSE OF EXISTING FENCE	LF	20	
609.0301	STONE CURB-BRIDGE (TYPE A)	LF	10	
609.15010025	REMOVE AND RESET STONE CURB	LF	30	

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ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON:
05/21/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT
REHABILITATION OF I-87 BRIDGES OVER
ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER

LOCATION OF PROJECT
NEW YORK DIVISION
MILEPOSTS 29.54 AND 29.41

TITLE OF DRAWING
ESTIMATE OF QUANTITIES
& INDEX OF DRAWINGS

CONTRACT NUMBER:
TANY 24-26B

DATE:
05/15/2024

DRAWING NUMBER:
ST2-3

BIN 5040109 MP 29.54

USER = jmpw11-prsvc
 DATE/TIME = 21-MAY-2024 19:02
 FILE NAME =
 DESIGN SUPERVISOR R. HENDERSON
 DRAFTING R. DAUCHER
 CHECK R. HENDERSON
 CHECK T. BENINATI
 DESIGN R. HENDERSON

GENERAL NOTES

- DESIGN SPECIFICATIONS; NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS AND NEW YORK DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAY BRIDGE WITH ALL PROVISIONS IN EFFECT AS OF JUNE 2024 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: $f'c = 4,000$ psi.)
- CONSTRUCTION SPECIFICATIONS; NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF JUNE 2024.
- THIS BRIDGE, 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.
- THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.
- DESIGN LIVE LOAD
- EXISTING SUPER STRUCTURE STEEL & SUBSTRUCTURES: HS 20.
- PROPOSED CONCRETE DECK: HL-93.
- 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.
- ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.
- MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN THE STRUCTURE(S) CONTAINED IN THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURE(S) AND/OR ENCOUNTERED DURING FIELD INSPECTIONS. ALL KNOWN ASBESTOS CONTAINING MATERIALS HAVE BEEN INDICATED IN THE CONTRACT DOCUMENTS.

SUPERSTRUCTURE NOTES

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.
- THE STRUCTURAL STEEL FOR THIS BRIDGE SHALL BE PARTIALLY PAINTED. THE COLOR SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 708-05. FINISH COAT COLOR SHALL BE SAGE GREEN MUNSELL 7.5 GY 5/4. VIEWING SHALL BE DONE UNDER NORTHERN STANDARD DAYLIGHT. THERE ARE 500 SQUARE FEET OF PAINTED STRUCTURAL STEEL ON THIS BRIDGE.
- THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE DECK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM.
- THE SPECIFICATIONS FOR PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES ALLOWS THE OPTION OF THREE CONSTRUCTION METHODS: CAST-IN-PLACE, SLIP FORMED, OR PRECAST. FOR THIS BRIDGE, ONLY CAST-IN-PLACE AND SLIP FORMING ARE ALLOWED.
- TOP SURFACES OF NEW BRIDGE DECKS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.
- TOP SURFACES OF NEW CONCRETE PARAPETS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.02 - PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE. ONLY PENETRATING TYPE SEALERS SHALL BE USED.

REMOVAL NOTES

- RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE HT53-4, TAH69-1, TANY79-8B, D253854, TANY98-11BP, TANY01-4, TANY06-27, TANY09-37B, TANY15-8.
- LIMITS AND METHODS FOR THE REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL MEET THE PROVISIONS OF SECTION 202-3.01 GENERAL, OF THE NYSDOT STANDARD SPECIFICATIONS CONSTRUCTION AND MATERIALS. PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS). WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.

- 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, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE- MENTIONED CONDITION, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

RECONSTRUCTION NOTES

- DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO THE FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STRUCTURAL STEEL ITEMS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIAL TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS REMAINING IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHEN ITEMS IN THE CONTRACT REQUIRE MATERIAL TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE AUTHORITY.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.
- THE DETAILS SHOWN IN THE CONTRACT PLANS INDICATE THE SPALLS, SCALES AND CRACKS NOTED FROM A FIELD INSPECTION BY THE DESIGNER. ALL MAJOR AREAS OF SPALLING, SCALING, AND CRACKING KNOWN TO EXIST AT THE TIME OF CONTRACT PREPARATION HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION REQUIRING REPAIRS BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER ACCESS TO ALL PIER SURFACES FOR SOUNDING. THE ENGINEER WILL DETERMINE AND MARK OUT FINAL REMOVAL LIMITS. THE ENGINEER WILL SUBMIT LABELED DIGITAL PHOTOS OF THE PIER TO THE REGIONAL STRUCTURES ENGINEER ALONG WITH THE CONTRACTOR'S PROPOSED REMOVAL AND REPLACEMENT SEQUENCE FOR APPROVAL. A MINIMUM OF 10 CALENDAR DAYS SHALL BE ALLOWED FOR REVIEW AND APPROVAL. REMOVAL OF CONCRETE SHALL NOT COMMENCE WITHOUT AN APPROVED REMOVAL PLAN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE REMOVAL AND REPLACEMENT CONCRETE ITEMS.

- AREAS OF CONCRETE DETERIORATION SHALL BE REPAIRED USING ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE OR 582.0061 - REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL, AS SHOWN IN THE PLANS OR AS ORDERED BY THE ENGINEER.
- ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED. PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED THEN PRE-WET FOR 12 HOURS. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE REPAIR ITEMS IN THE CONTRACT.
- THE EMBEDMENT DEPTH SHOWN IN THE PLANS FOR DRILLING AND GROUTING IS FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S ENGINEER SHALL DETERMINE THE DEVELOPMENT LENGTH REQUIRED TO DEVELOP THE FULL STRENGTH OF THE ANCHOR ROD AND/OR REINFORCING BAR. THE CALCULATIONS SHALL BE BASED ON THE SIZE OF THE ROD/BAR, ACTUAL EDGE DISTANCE TO THE ROD/BAR, THE PROXIMITY TO OTHER RODS/BARS, ESTIMATED CONCRETE STRENGTH, AND THE GROUT SUPPLIERS' RECOMMENDATIONS. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND DETAILS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER TO THE ENGINEER FOR APPROVAL.
- THE FOLLOWING CONCRETE ELEMENTS SHALL BE SEALED ACCORDING TO ITEM 559.04 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE WITH COATING TYPE PROTECTIVE SEALER: ABUTMENTS AND PIERS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LENGTHS OF EXISTING STRUCTURAL STEEL COMPONENTS TO BE REPLACED PRIOR TO THE FABRICATION OF THE REPLACEMENT COMPONENTS.
- SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE NYSDOT STEEL CONSTRUCTION MANUAL (SCM) TO THE ENGINEER FOR APPROVAL FOR THE FOLLOWING STRUCTURAL STEEL REPLACEMENT ITEMS: 554.5100XX STRUCTURAL STEEL (LB)
- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
- THE CONTRACTOR SHALL KEEP ALL BRIDGE DRAINS CLEAN AND FREE FLOWING DURING THE LIFE OF THE CONTRACT. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS SUPERSTRUCTURE ITEMS IN THE CONTRACT.

STAGE CONSTRUCTION NOTES

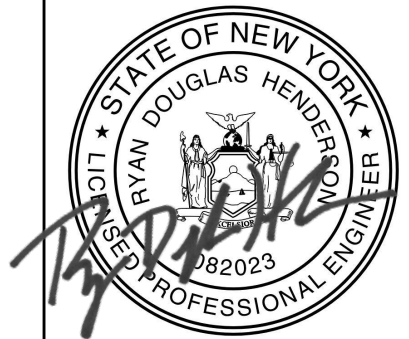
- THE STRUCTURAL SLAB AND SLAB OVERHANG FOR EACH STAGE OF CONSTRUCTION HAVE BEEN DESIGNED FOR THE LOADING CONDITIONS SHOWN IN THE DETAILS.

WORK TO BE DONE

- COMPLETE STAGE 1 WORK AND SET UP WZTC SCHEME, SEE HWY DRAWINGS.
- COMPLETE SUBSTRUCTURE CONCRETE REPAIRS INCLUDING SEALING ALL CONCRETE SURFACES.
- REMOVE EXISTING CONCRETE DECK, BARRIERS, AND ADDITIONAL CONCRETE IN THE BACKWALL.
- CLEAN AND LUBRICATE BEARINGS & COMPLETE STEEL REPAIRS LOCATED WITHIN LIMITS OF STAGE.
- FORM AND POUR NEW CONCRETE AT BACKWALL FOR PROPOSED JOINTS.
- INSTALL NEW SECTIONS OF APPROACH SLABS LOCATED WITHIN LIMITS OF STAGE.
- INSTALL PRECAST CONCRETE DECK PANELS AND POUR UHPC JOINTS.
- DIAMOND GRIND PRECAST PANELS TO OBTAIN THE NECESSARY TOP OF ROADWAY ELEVATIONS.
- INSTALL NEW JOINTS AT THE ENDS OF THE BRIDGE.
- FORM AND POUR PROPOSED CONCRETE BARRIERS AND INSTALL TRANSITIONS, APPROACH DRAINAGE, AND PROTECTIVE SCREENING.
- COMPLETE LONGITUDINAL SAWCUT GROOVING AND SEALING OF PRECAST DECK AND BARRIERS.
- COMPLETE HIGHWAY APPROACH WORK, SET UP WZTC FOR NEXT STAGE OF WORK, AND SWITCH TRAFFIC.
- COMPLETE WORK ITEMS ABOVE FOR SUBSEQUENT STAGES UNTIL ALL WORK IS COMPLETE.

FILE NAME = DATE/TIME = 15-MAY-2024 2:13 DESIGN SUPERVISOR R. HENDERSON T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUCHER CHECK R. HENDERSON USER = jmtpr11-pw-svc

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority



TITLE OF PROJECT: REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER
LOCATION OF PROJECT: NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41

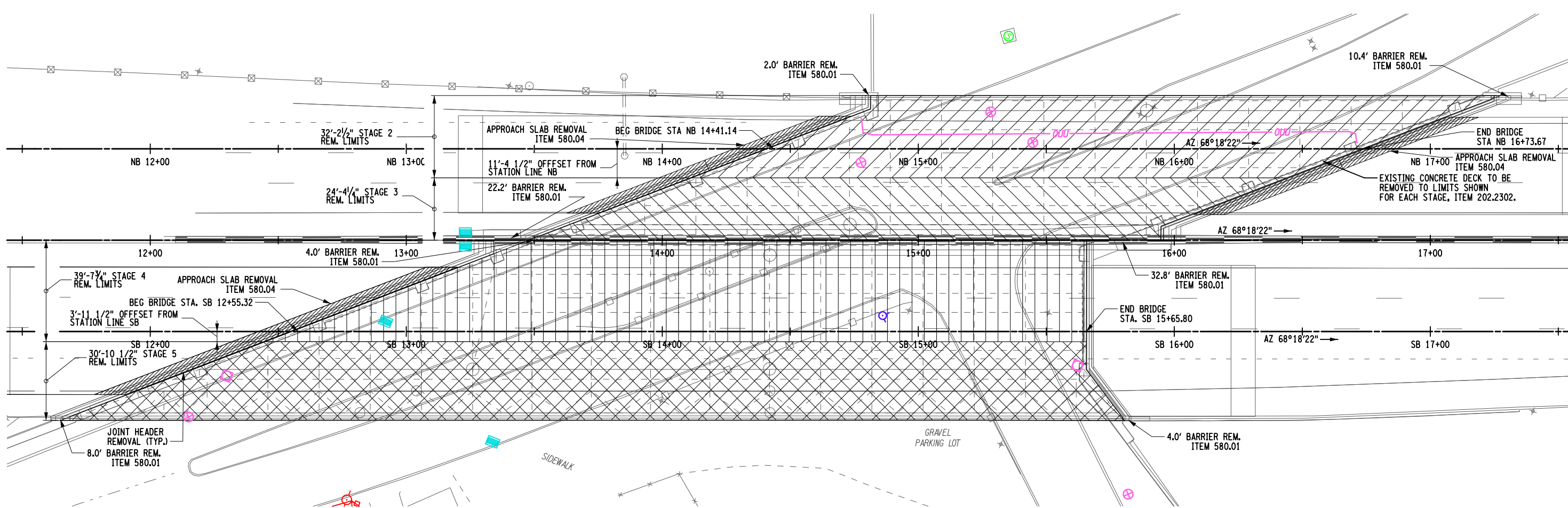
TITLE OF DRAWING: GENERAL NOTES

CONTRACT NUMBER: TANY 24-26B





DATE: 05/15/2024

DRAWING NUMBER: ST-2-4

BIN 5040109 MP 29.54



**REMOVAL PLAN
STAGE 2 THRU 5**

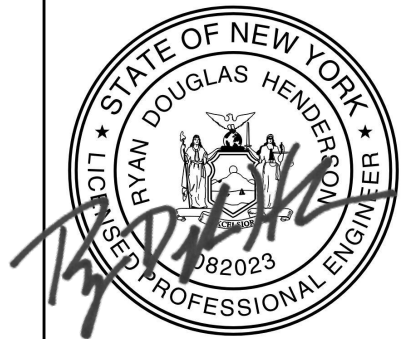
-  STAGE 2 REMOVAL OF STRUCTURAL SLAB, ITEM 202.2302
-  STAGE 3 REMOVAL OF STRUCTURAL SLAB, ITEM 202.2302
-  STAGE 4 REMOVAL OF STRUCTURAL SLAB, ITEM 202.2302
-  STAGE 5 REMOVAL OF STRUCTURAL SLAB, ITEM 202.2302

- NOTES:**
- SEE DWG. ST2-4 FOR REMOVAL NOTES.
 - SEE DWG TC-4 AND TC-5 FOR STAGING SECTIONS.
 - SEE DWG ST2-34 FOR LIMITS OF BARRIER RECONSTRUCTION.
 - SEE DWG ST2-25 TO ST2-29 FOR JOINT AND APPROACH SLAB REMOVAL DETAILS.
 - REMOVAL OF BARRIER ATTACHED TO EXISTING DECK INCLUDED IN COST OF ITEM 202.2302. REMOVAL OF CONCRETE BARRIER IN APPROACH (TO BE REPLACED WITH NEW BARRIER) WILL BE COVERED UNDER ITEM 580.01. SEE DWG ST2-38 FOR EXISTING BARRIER SECTION DIMENSIONS.
 - EXISTING TIMBER PLANKING USED TO PROTECT TRAFFIC FROM FALLING CONCRETE WILL BE REMOVED UNDER ITEM 202.2302.

BIN 5040109 MP 29.54

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024



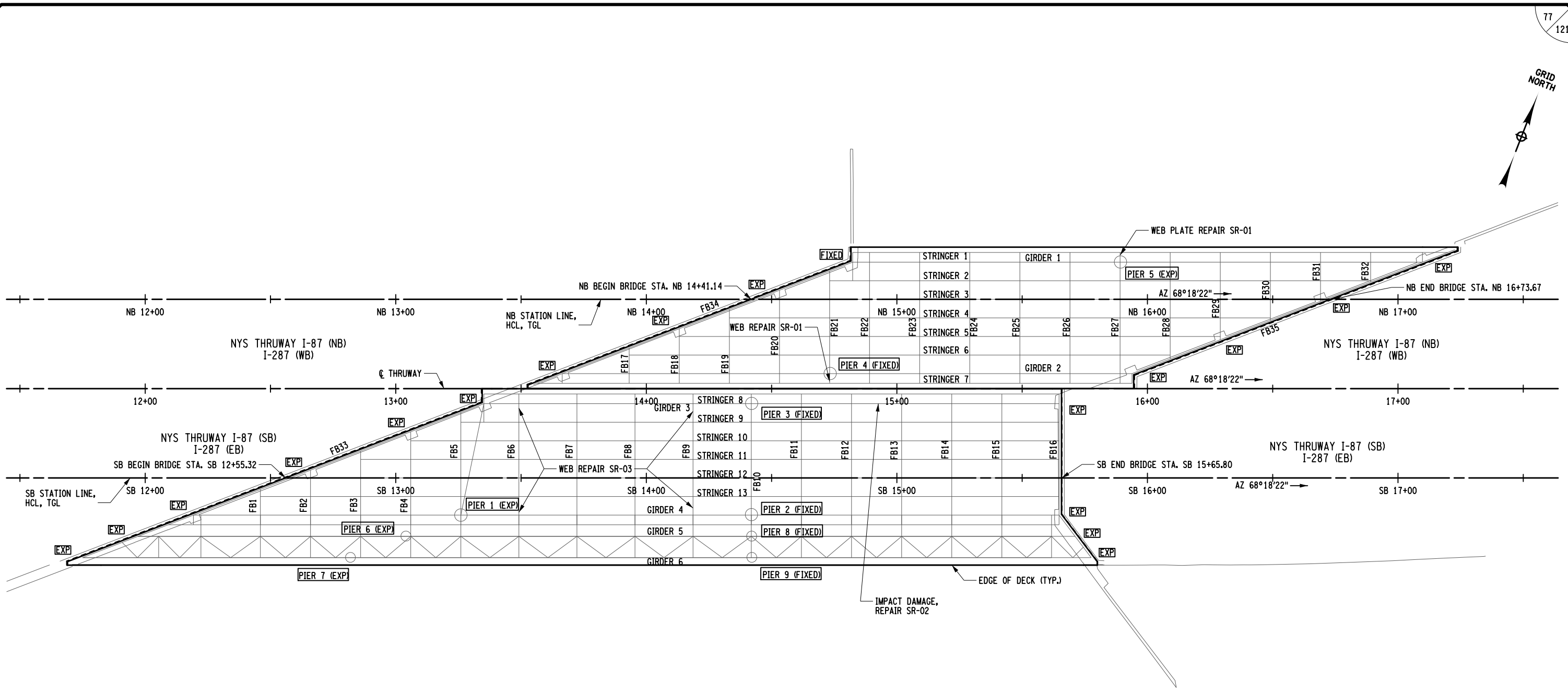
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING REMOVAL PLAN	DRAWING NUMBER: ST2-5

FILE NAME =
 DESIGN SUPERVISOR R. HENDERSON
 DATE/TIME = 15-MAY-2024 2:11
 DESIGN T. BENINATI
 CHECK R. HENDERSON
 USER = jmtpr11-pr-svc
 DRAFTING R. DAUCHER
 CHECK R. HENDERSON
 R. HENDERSON
 DRAFTING R. DAUCHER
 CHECK R. HENDERSON
 R. HENDERSON



EXISTING FRAMING PLAN - SUPERSTRUCTURE REHABILITATION

USER = jmtpr11-pr-svc
 DATE/TIME = 15-MAY-2024 2:11
 DESIGN SUPERVISOR R. HENDERSON
 DESIGN T. BENINATI
 CHECK R. HENDERSON
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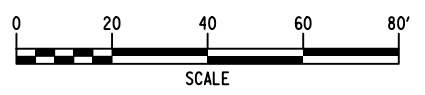
ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

NOTES:

- SEE DWG. ST2-46 AND ST2-47 FOR STEEL REPAIR DETAILS.
- CLEAN AND LUBRICATE ALL BEARINGS, ITEM 565.43030025.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING FRAMING PLAN (SUPERSTRUCTURE REHAB.)	DRAWING NUMBER: ST2-6

BIN 5040109 MP 29.54

HAUNCH TABLE		CL BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS. PIER 5	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL BRGS. END ABUT.
GIRDER 1	A. REQ'D BOTTOM OF SLAB ELEVATION	340.06	339.79	339.52	339.25	338.98	338.71	338.44	338.17	337.90	337.62	337.35	337.05	336.74	336.43	336.13	335.82	335.51	335.21	334.90	334.60	334.29
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C. A-B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.015	0.025	0.030	0.035	0.030	0.025	0.015	0.010	0.000	0.000	0.005	0.015	0.030	0.040	0.050	0.050	0.045	0.035	0.020	0.000
	E. DEPTH OF HAUNCH REQ'D = C+D (ft)																					

HAUNCH TABLE		CL BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS. PIER 4	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL BRGS. END ABUT.
GIRDER 2	A. REQ'D BOTTOM OF SLAB ELEVATION	342.71	342.44	342.17	341.90	341.63	341.36	341.09	340.82	340.54	340.27	340.00	339.70	339.39	339.08	338.78	338.47	338.16	337.86	337.55	337.24	336.94
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C. A-B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.005	0.010	0.010	0.010	0.010	0.005	0.000	-0.005	-0.005	0.000	0.010	0.025	0.040	0.055	0.065	0.065	0.060	0.045	0.025	0.000
	E. DEPTH OF HAUNCH REQ'D = C+D (ft)																					

HAUNCH TABLE		CL BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS. PIER 3	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL BRGS. END ABUT.
GIRDER 3	A. REQ'D BOTTOM OF SLAB ELEVATION	343.57	343.30	343.03	342.76	342.49	342.22	341.95	341.68	341.41	341.13	340.86	340.55	340.24	339.93	339.61	339.30	338.99	338.68	338.37	338.06	337.74
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C. A-B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.005	0.010	0.015	0.015	0.010	0.010	0.005	0.000	0.000	0.000	0.005	0.015	0.030	0.040	0.045	0.045	0.040	0.030	0.015	0.000
	E. DEPTH OF HAUNCH REQ'D = C+D (ft)																					

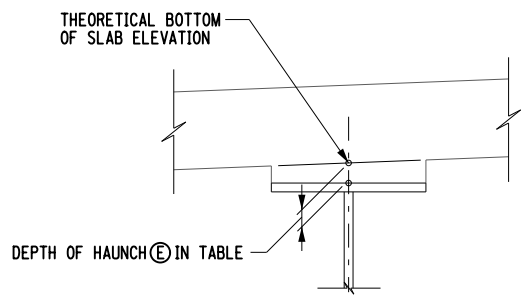
HAUNCH TABLE		CL BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS. PIER 1	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL BRGS. PIER 2	0.1 L3	0.2 L3	0.3 L3	0.4 L3	0.5 L3	0.6 L3	0.7 L3	0.8 L3	0.9 L3	CL BRGS. END ABUT.
GIRDER 4	A. REQ'D BOTTOM OF SLAB ELEVATION	346.82	346.54	346.27	346.00	345.73	345.46	345.19	344.92	344.65	344.38	344.10	343.81	343.52	343.22	342.93	342.63	342.34	342.04	341.75	341.45	341.16	340.85	340.54	340.22	339.91	339.60	339.29	338.98	338.66	338.35	338.04
	B. TOP OF STEEL EL. (FIELD MEASURE)																															
	C. A-B																															
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.005	0.015	0.020	0.020	0.020	0.020	0.015	0.010	0.005	0.000	0.000	0.000	0.005	0.005	0.005	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.025	0.030	0.035	0.035	0.035	0.025	0.015	0.000
	E. DEPTH OF HAUNCH REQ'D = C+D (ft)																															

HAUNCH TABLE		CL BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS. PIER 6	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL BRGS. PIER 8	0.1 L3	0.2 L3	0.3 L3	0.4 L3	0.5 L3	0.6 L3	0.7 L3	0.8 L3	0.9 L3	CL BRGS. END ABUT.
GIRDER 5	A. REQ'D BOTTOM OF SLAB ELEVATION	347.21	346.94	346.67	346.39	346.12	345.85	345.58	345.31	345.04	344.77	344.50	344.15	343.79	343.44	343.09	342.74	342.39	342.04	341.69	341.34	340.99	340.66	340.33	340.00	339.68	339.35	339.02	338.69	338.36	338.04	337.71
	B. TOP OF STEEL EL. (FIELD MEASURE)																															
	C. A-B																															
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.010	0.015	0.020	0.020	0.020	0.015	0.015	0.005	0.000	0.000	0.005	0.010	0.015	0.020	0.020	0.020	0.015	0.005	0.000	0.000	0.005	0.020	0.030	0.040	0.050	0.050	0.045	0.035	0.020	0.000
	E. DEPTH OF HAUNCH REQ'D = C+D (ft)																															

HAUNCH TABLE		CL BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS. PIER 7	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL BRGS. PIER 9	0.1 L3	0.2 L3	0.3 L3	0.4 L3	0.5 L3	0.6 L3	0.7 L3	0.8 L3	0.9 L3	CL BRGS. END ABUT.
GIRDER 6	A. REQ'D BOTTOM OF SLAB ELEVATION	347.60	347.33	347.06	346.79	346.52	346.24	345.97	345.70	345.43	345.16	344.89	344.48	344.08	343.67	343.26	342.85	342.45	342.04	341.63	341.23	340.82	340.48	340.13	339.79	339.44	339.10	338.75	338.41	338.06	337.72	337.37
	B. TOP OF STEEL EL. (FIELD MEASURE)																															
	C. A-B																															
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.005	0.010	0.015	0.015	0.015	0.010	0.005	0.000	0.000	0.000	0.010	0.030	0.045	0.055	0.060	0.050	0.040	0.020	0.005	0.000	0.005	0.015	0.030	0.045	0.050	0.055	0.050	0.035	0.020	0.000
	E. DEPTH OF HAUNCH REQ'D = C+D (ft)																															

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON:
05/15/2024



NOTE:
THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE COMPLETED HAUNCH TABLE PRIOR TO SETTING THE PRECAST DECK PANEL AND SETTING HARDWARE.

HAUNCH DETAIL

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING HAUNCH TABLE (1 OF 3)	DRAWING NUMBER: ST2-7

BIN 5040109 MP 29.54

FILE NAME = USER = jmtpr11-pr-svc DATE/TIME = 15-MAY-2024 2:42 DESIGN SUPERVISOR R. HENDERSON CHECK T. BENINATI DRAFTING R. HENDERSON CHECK R. DAUGHER R. HENDERSON CHECK R. HENDERSON

FILE NAME = DATE/TIME = 15-MAY-2024 2:42 USER = jmpw11-pr-svc DESIGN SUPERVISOR R. HENDERSON DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON

Main table with 7 columns (STRINGER 1-7) and 5 rows (A-E) for each stringer. Columns include 'HAUNCH TABLE' and 'CL BRGS. FLOORBEAM' with values for various spans (0.25 L, 0.50 L, 0.75 L).

HAUNCH TABLE for STRINGER 1. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

HAUNCH TABLE for STRINGER 2. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

HAUNCH TABLE for STRINGER 3. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

HAUNCH TABLE for STRINGER 4. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

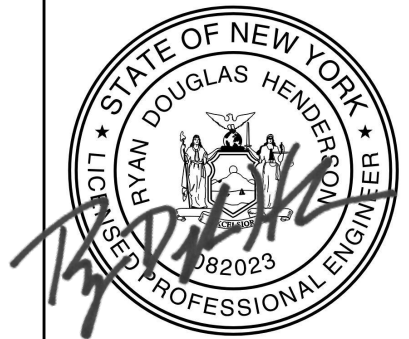
HAUNCH TABLE for STRINGER 5. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

HAUNCH TABLE for STRINGER 6. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

HAUNCH TABLE for STRINGER 7. Rows: A. REQ'D BOTTOM OF SLAB ELEVATION, B. TOP OF STEEL EL. (FIELD MEASURE), C. A-B, D. CONCRETE + S.D.L. DEFLECTION, E. DEPTH OF HAUNCH REQ'D = C+D (ft).

- NOTES: 1. SEE DWG. ST2-7 FOR HAUNCH DETAIL. 2. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE COMPLETED HAUNCH TABLE PRIOR TO SETTING THE PRECAST DECK PANEL AND SETTING HARDWARE.

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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



TITLE OF PROJECT: REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER. LOCATION OF PROJECT: NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41. TITLE OF DRAWING: HAUNCH TABLE (2 OF 3).

CONTRACT NUMBER: TANY 24-26B. DATE: 05/15/2024. DRAWING NUMBER: ST2-8.

BIN 5040109 MP 29.54

FILE NAME = DATE/TIME = 15-MAY-2024 2:41
DESIGN SUPERVISOR R. HENDERSON
DESIGN T. BENINATI
CHECK R. DAUCHER
DRAFTING R. HENDERSON
CHECK R. HENDERSON

Main table with columns for HAUNCH TABLE, CL BRGS. FLOORBEAM, and rows for STRINGER 8 through 13. Each row contains multiple columns of numerical data representing measurements and deflections.

NOTES:
1. SEE DWG ST2-7 FOR HAUNCH DETAIL.
2. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE COMPLETED HAUNCH TABLE PRIOR TO SETTING THE PRECAST DECK PANEL AND SETTING HARDWARE.

Summary table with columns for HAUNCH TABLE, CL BRGS. FLOORBEAM, and rows for STRINGER 9 through 13. It provides a condensed view of the data from the main table.

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024
Professional Engineer Seal for RYAN DOUGLAS HENDERSON, LICENSE NO. 082023, STATE OF NEW YORK.

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



Project information table including: TITLE OF PROJECT (REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER), LOCATION OF PROJECT (NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41), TITLE OF DRAWING (HAUNCH TABLES (3 OF 3)), CONTRACT NUMBER (TANY 24-26B), DATE (05/15/2024), and DRAWING NUMBER (ST2-9).

BIN 5040109 MP 29.54

PRECAST DECK PANEL NOTES:

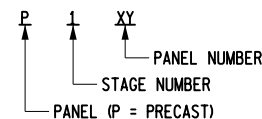
1. REINFORCEMENT STEEL
 - A. ALL REINFORCEMENT STEEL IN THE PRECAST DECK PANELS AND IN ALL CAST-IN-PLACE CONCRETE ADJOINING THE PRECAST DECK PANELS, SUCH AS IN THE CAST-IN-PLACE BARRIERS, AND CAST-IN-PLACE DECK AT EXPANSION JOINTS, SHALL BE GALVANIZED.
 - B. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, MINIMUM CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING BAR SHALL BE 3", AFTER DIAMOND GRINDING, FOR TOP FACE AND 1/2" FOR BOTTOM FACE OF THE PRECAST DECK.
2. FABRICATION
 - A. ALL WELDING SHALL BE IN ACCORDANCE WITH NYSDOT STEEL CONSTRUCTION MANUAL.
 - B. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS AND CALCULATIONS PREPARED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK. THE CONTRACTOR SHALL DEVELOP THE DETAILED SEQUENCE OF WORK, TASKS TO BE PERFORMED, FROM WORK, LIFTING, HANDLING AND LEVELING OF PRECAST CONCRETE PANELS. SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
 - C. USE THE PCI DESIGN HANDBOOK, PRECAST AND PRESTRESSED CONCRETE INSTITUTE, EIGHTH EDITION WITH ALL INTERIM AND ERRATA FOR THE DESIGN AND DETAIL OF LIFTING SUPPORTS AND HOLDING CONSIDERATIONS.
 - D. CONTRACTOR MAY PROPOSE MINOR CHANGES TO PANEL DIMENSIONS TO GROUP SIMILAR PANELS TOGETHER INTO ONE PANEL SIZE. ALL MINIMUM AND MAXIMUM TRANSVERSE JOINT WIDTHS MUST BE MAINTAINED. PROPOSED CHANGES MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3. INSTALLATION
 - A. CONTRACTOR SHALL PERFORM FIELD SURVEY TO DETERMINE THE EXISTING TOP OF STEEL ELEVATIONS BEFORE REMOVAL OF EXISTING DECK. CONTRACTOR SHALL SUBMIT HAUNCH CALCULATIONS BASED ON THIS SURVEY TO THE ENGINEER FOR REVIEW AND APPROVAL.
 - B. AS PER THE NYS PRECAST CONCRETE CONSTRUCTION MANUAL (PCCM), THE CONTRACTOR SHALL SUBMIT INSTALLATION DRAWINGS, INCLUDED IN THE INSTALLATION DRAWINGS SHALL BE A HAUNCH TABLE FORMATTED AS SHOWN IN THE NEW YORK STATE STANDARD BRIDGE DETAILS (SD) SHEETS. PROPOSED BOTTOM OF SLAB ELEVATIONS AND THEORETICAL DEAD LOAD DEFLECTIONS BASED ON THE ORDER OF PANEL INSTALLATION SHALL BE SHOWN IN THE HAUNCH TABLE. HAUNCH TABLES HAVE BEEN PROVIDED IN THESE DRAWINGS BASED ON THE PROPOSED PANEL SIZES AND STAGING SEQUENCE. THIS INFORMATION DOES NOT NEGATE THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP HAUNCH TABLES BASED ON THEIR FIELD SURVEY, OBSERVED FIELD CONDITIONS, AND DEFLECTION CALCULATIONS BASED ON THEIR PROPOSED PANEL PLACEMENT SEQUENCE.
 - C. PRIOR TO PRECAST DECK PANEL INSTALLATION, THE TOP SURFACE OF EXISTING GIRDERS SHALL BE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - D. PANELS SHALL BE STABILIZED DURING INSTALLATION TO AVOID WALING OF THE PANELS. THE CONTRACTOR SHALL SUBMIT DETAILS OF STABILIZATION FOR APPROVAL.
 - E. FINAL PANEL ELEVATIONS SHALL BE ATTAINED BY ADJUSTING THE TORQUE ON LEVELING SCREWS TO PROMOTE EQUAL DISTRIBUTION OF PANEL DEAD LOAD TO ALL GIRDERS. THE TORQUE SCHEDULE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR THE PANELS. ALL LEVELING BOLTS SHALL BE EQUALLY TORQUED TO APPROXIMATELY THE SAME VALUE WITH NO MORE THAN 20% DEVIATION.
 - F. THE CONTRACTOR SHALL USE STEEL SHIM PLATES AS SUPPLEMENT TO LEVELING BOLTS TO ADJUST THE TOP OF DECK ELEVATIONS AT THE UHPC CONCRETE JOINTS. THE COST OF SHIM PLATES SHALL BE INCLUDED UNDER PRECAST CONCRETE DECK ITEM.
 - G. ULTRA HIGH PERFORMANCE CONCRETE (UHPC) FOR ALL JOINTS, SHALL BE PLACED TO ENSURE THAT ALL VOIDS ARE FILLED.
 - H. GROUT DAM FORMWORK SHALL BE USED TO RETAIN UHPC PLACED WITHIN THE HAUNCH ABOVE THE TOP FLANGE OF THE GIRDERS. THE PROPOSED METHOD FOR RETAINING AND INSTALLING HAUNCH GROUT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
 - I. NO ADDITIONAL LOADING SHALL BE APPLIED TO THE FREE END OF THE CANTILEVERED PANEL THAN THAT NEEDED FOR INSTALLING CLOSURE POURS.
4. PANEL TYPE NOTES
 - A. EACH PANEL HAS A TYPE DESIGNATION WITH ADDITIONAL MODIFIERS TO DENOTE UNIQUE FEATURES. THE DESCRIPTIONS IN THESE PLANS ARE FOR ORGANIZATIONAL AND UNDERSTANDING PURPOSES ONLY. THEY ARE NOT PRECISE OR EXCLUSIVE DESCRIPTIONS OF PANELS OR CONSTRUCTION DETAILS. SEE PANEL DRAWINGS FOR CONSTRUCTION DETAILS.
5. PROTECTIVE SEALING OF THE NEW DECK PANEL SURFACE SHALL ONLY BE APPLIED AFTER THE DIAMOND GRINDING AND LONGITUDINAL SAW CUT GROOVING OPERATIONS.
6. NO BARLIST IS PROVIDED FOR THE DECK PANELS, JOINTS, BARRIER REBAR ORIGINATING FROM THE PANELS, NOR CLOSURE POURS AT THE BEGIN AND ENDS OF THE BRIDGE ADJACENT TO THE EXPANSION JOINT. REFER TO THE NYS PCCM FOR SHOP DRAWING REQUIREMENTS.
7. THE HAUNCHES SHALL BE COMPLETELY FILLED FULL DEPTH WITH UHPC MATERIAL, COST TO BE INCLUDED IN PRECAST PANEL ITEM.
8. ALL UHPC JOINTS SHALL BE COVERED BY A TOP FORM WITH MOISTURE BARRIER.
9. ONCE THE UHPC REACHES A COMPRESSIVE STRENGTH OF 10.0 KSI, THE TOP FORMS OF THE JOINT MAY BE REMOVED TO FACILITATE GRINDING OF THE JOINTS TO BE EVEN WITH THE DECK PANEL SURFACE.
10. THE CONTRACTOR SHALL CAST THE PRECAST SEGMENTS WITH AN ADDITIONAL COVER OF 1/2". ALL OR PART OF THIS ADDITIONAL COVER SHALL BE REMOVED BY DIAMOND GRINDING.
11. PANEL SURFACES WHICH ARE TO BE DIAMOND GROUND OR WILL BE IN CONTACT WITH UHPC, SHALL NOT RECEIVE A SEALER DURING FABRICATION AS REQUIRED BY THE NYS PCCM.
12. VENT HOLES SHALL BE CONSTRUCTED USING A REMOVABLE FORM, BLAST CLEANED AND COMPLETELY FILLED WITH UHPC.
13. ALL DIMENSIONS SHOWN ARE BASED ON THE RECORD DRAWINGS FROM CONTRACTS HT53-4 AND D253854. ANY DISCREPANCIES BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD CONDITIONS SHALL BE ACCOMMODATED BY CHANGES TO THE CLOSURE JOINTS BETWEEN THE PANELS.
14. THE CONTRACTOR SHALL VERIFY GIRDER LOCATIONS AND SPACING IN THE FIELD PRIOR TO DECK PANEL FABRICATION.

SUGGESTED PANEL INSTALLATION SEQUENCE:

1. PREPARE ALL SURFACES IN ACCORDANCE WITH THE SPECIFICATIONS.
2. FULLY EXTEND LEVELING BOLTS AND PLACE PRECAST DECK PANELS ON THE GIRDERS.
3. ADJUST LEVELING BOLTS.
4. INSTALL HAUNCH CLOSURE ANGLES.
5. FILL HAUNCHES OVER GIRDERS AND DECK PANEL JOINTS WITH UHPC.
6. REMOVE AND FILL LEVELING BOLT RECESS.
7. FORM AND POUR UHPC DECK CLOSURE POURS.

LEGEND:

DECK PANEL NUMBER DESIGNATION



FILE NAME = DATE/TIME = 15-MAY-2024 2:11 USER = jmp011-pr-svc DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUCHER CHECK R. HENDERSON

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT
REHABILITATION OF I-87 BRIDGES OVER
ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER

LOCATION OF PROJECT
NEW YORK DIVISION
MILEPOSTS 29.54 AND 29.41

TITLE OF DRAWING
PRECAST DECK PANEL NOTES

CONTRACT NUMBER:
TANY 24-26B

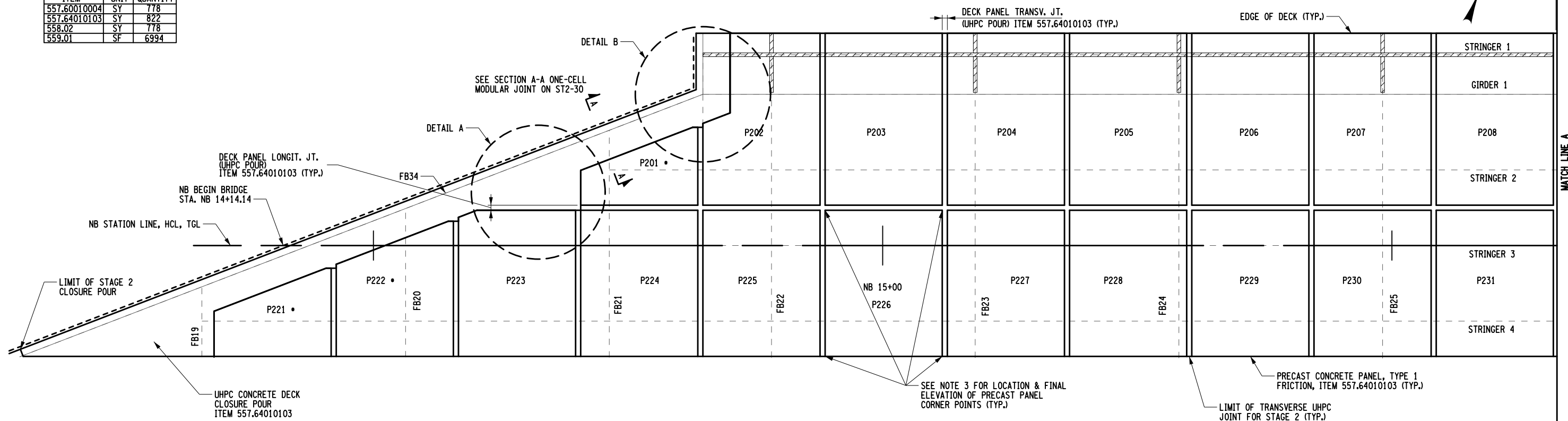
DATE:
05/15/2024

DRAWING NUMBER:
ST2-10

BIN 5040109 MP 29.54

ITEMS OF WORK:
 557.60010004 - FULL DIAMOND GRINDING OF STRUCTURAL SLAB AND STRUCTURAL APPROACH SLAB WITH SLURRY REMOVAL
 557.64010103 - PRECAST CONCRETE DECK - TYPE 1 FRICTION
 558.02 - LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE
 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS

STAGE 2		
ITEM	UNIT	QUANTITY
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557.64010103	SY	822
558.02	SY	778
559.01	SF	6994



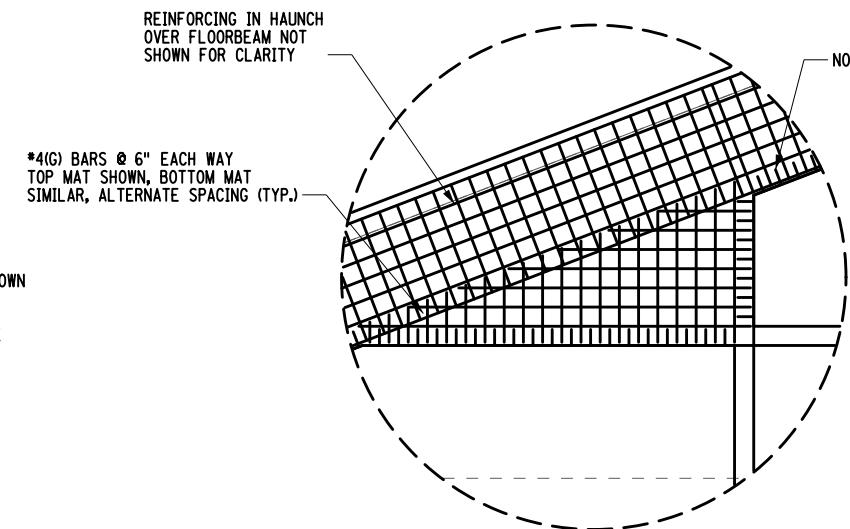
STAGE 2 DECK PANEL LAYOUT
 SCALE 1" = 10'

- PANELS WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION OF UHPC JOINTS AND CLOSURE COST INCLUDED IN 557.64010103

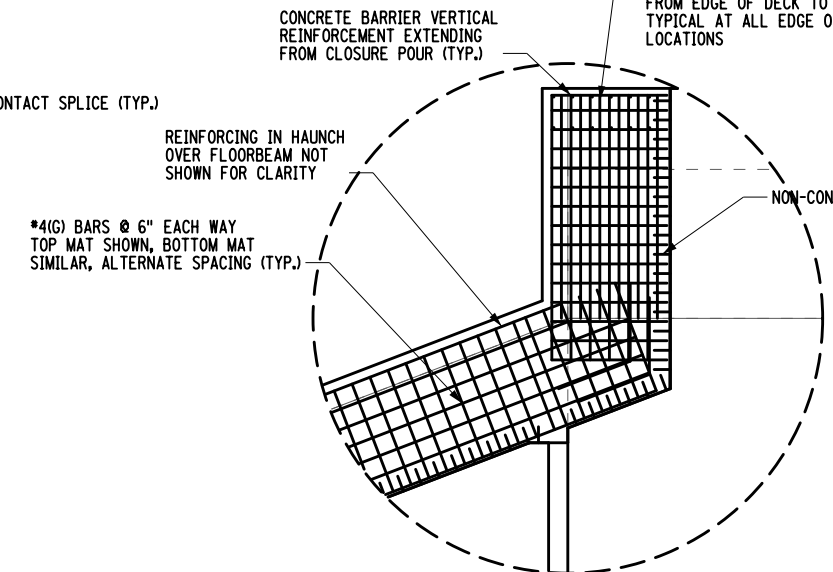
NOTES:

- SEE DWG. ST2-10 FOR PRECAST PANEL NOTES.
- SEE DWG. ST2-19 & ST2-20 FOR PANEL TYPE DETAILS.
- SEE DWG. ST2-21 THRU ST-23 FOR STATION AND OFFSET OF PANEL CORNERS AND TOP OF PANEL ELEVATIONS.
- SEE DWG. ST2-24 FOR PRECAST PANEL AND UHPC JOINT DETAILS.
- SEE DWG. ST2-6 FOR EXISTING FRAMING PLAN.
- SEE DWG. ST2-10 NOTE 6 REGARDING CONCRETE REINFORCEMENT IN THE CLOSURE POURS SHOWN IN THE DETAILS.
- DETAILS A & B PROVIDE TYPICAL REINFORCEMENT LAYOUT, OTHER AREAS NOT DETAILED ARE SIMILAR.

LEGEND
 AREA OF ANTICIPATED NEGATIVE HAUNCH



DETAIL A
 NOT TO SCALE



DETAIL B
 NOT TO SCALE

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

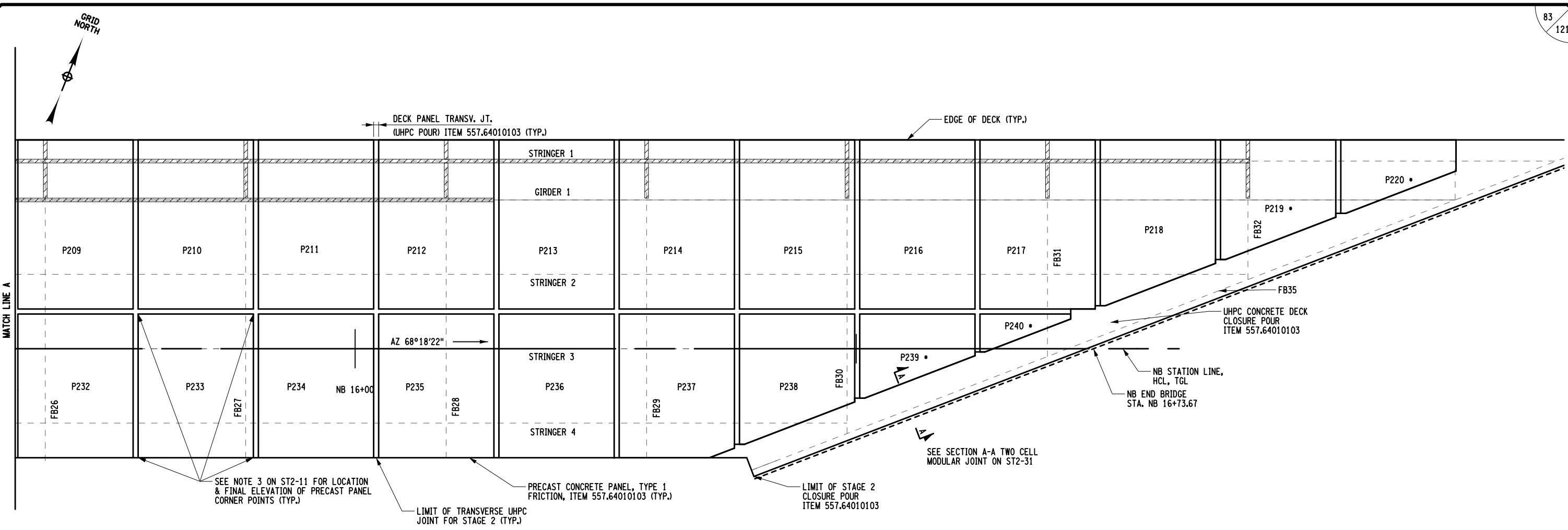


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 2 (1 OF 2)	DRAWING NUMBER: ST2-11

BIN 5040109 MP 29.54

R. HENDERSON
 CHECK
 R. DAUCHER
 DRAFTING
 R. HENDERSON
 CHECK
 T. BENINATI
 DESIGN
 R. HENDERSON
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 2:11
 USER = jmpw11-pr-svc
 FILE NAME =

FILE NAME = DATE/TIME = 15-MAY-2024 2:12 DESIGN SUPERVISOR R. HENDERSON DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON



STAGE 2 DECK PANEL LAYOUT
SCALE 1" = 10'

LEGEND
 AREA OF ANTICIPATED NEGATIVE HAUNCH

* PANELS WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION OF UHPC JOINTS AND CLOSURE COST INCLUDED IN 557.64010103

- NOTES:
- SEE NOTES AND DETAILS ON ST2-11.
 - SEE ST2-11 FOR STAGE 2 WORK ITEMS AND QUANTITIES

ALTERED BY: ON:	AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024

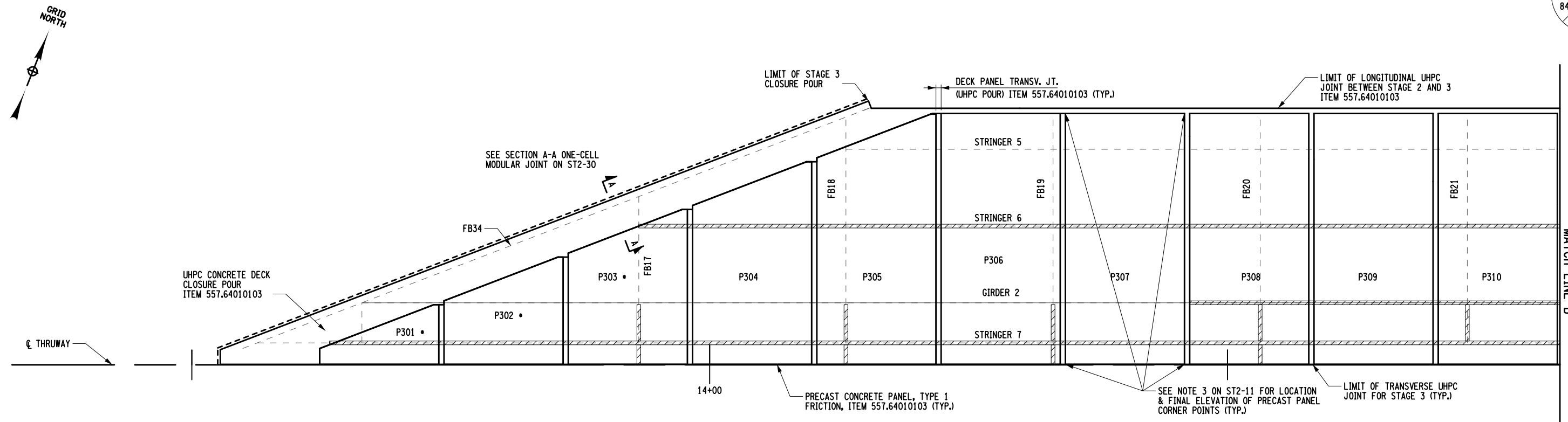
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 2 (2 OF 2)	DRAWING NUMBER: ST2-12

BIN 5040109 MP 29.54

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STAGE 3 DECK PANEL LAYOUT
SCAE 1" = 10'

- PANELS WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION OF UHPC JOINTS AND CLOSURE COST INCLUDED IN 557.64010103

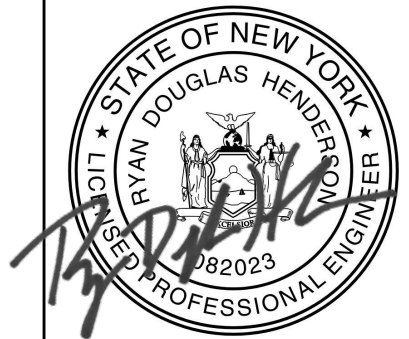
LEGEND
 AREA OF ANTICIPATED NEGATIVE HAUNCH

- NOTES:
1. SEE NOTES AND DETAILS ON ST2-11.

ITEMS OF WORK:
 557.60010004 - FULL DIAMOND GRINDING OF STRUCTURAL SLAB AND STRUCTURAL APPROACH SLAB WITH SLURRY REMOVAL
 557.64010103 - PRECAST CONCRETE DECK - TYPE 1 FRICTION
 558.02 - LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE
 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS

STAGE 3		
ITEM	UNIT	QUANTITY
557.60010004	SY	598
557.64010103	SY	633
558.02	SY	598
559.01	SF	5376

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



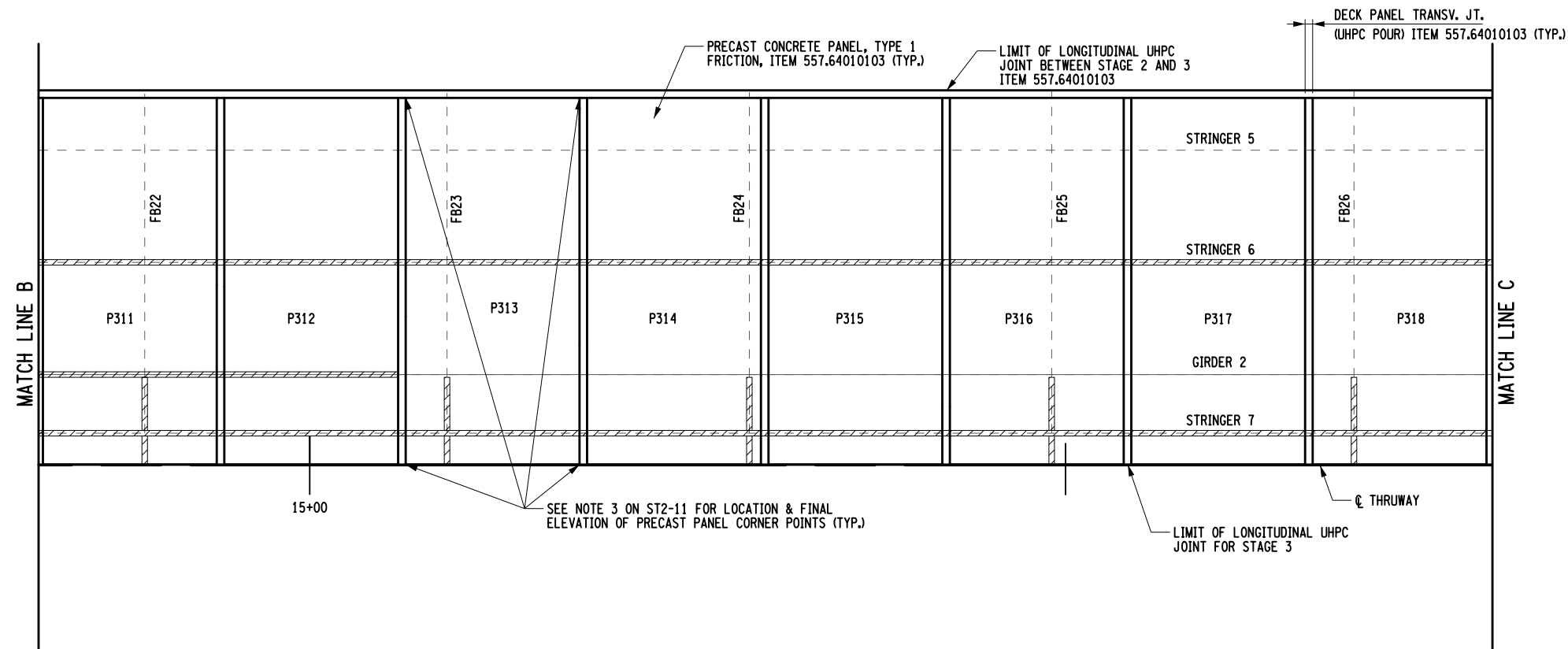
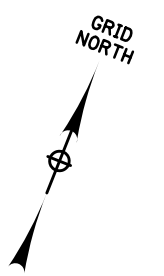
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REVISIONS			
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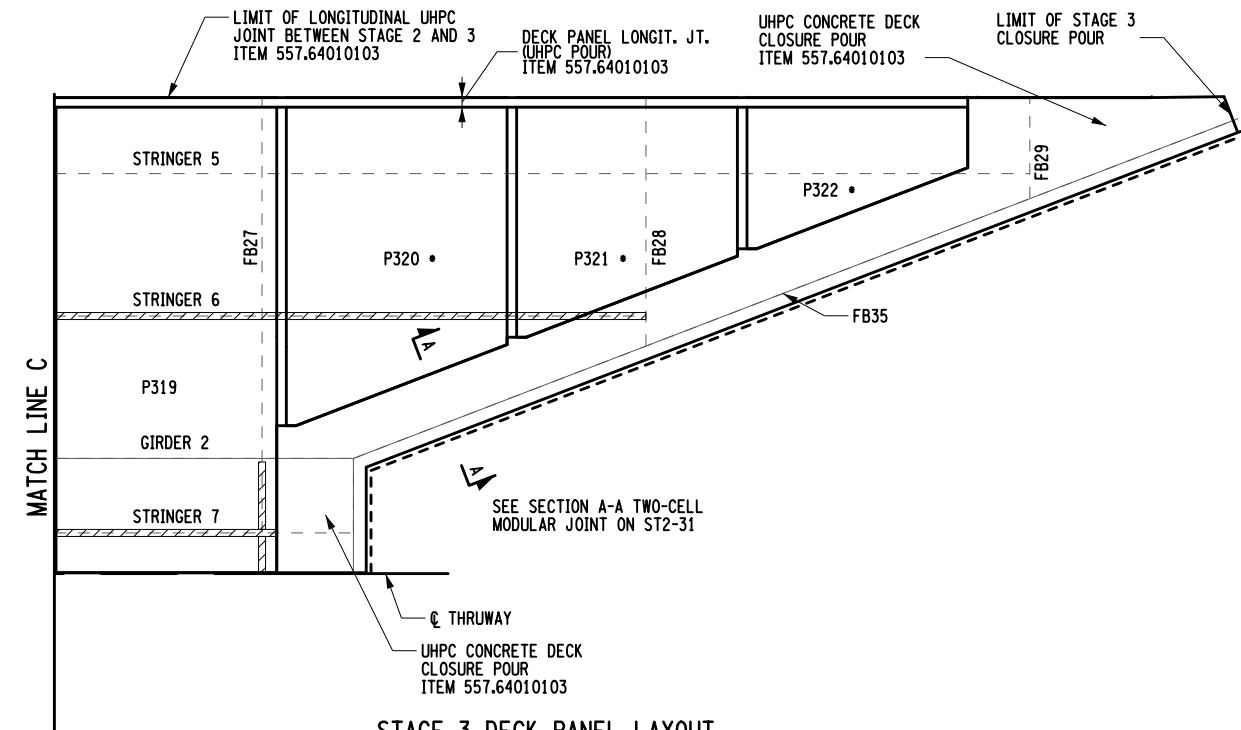


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 3 (1 OF 2)	DRAWING NUMBER: ST2-13

BIN 5040109 MP 29.54



STAGE 3 DECK PANEL LAYOUT
SCAE 1" = 10'

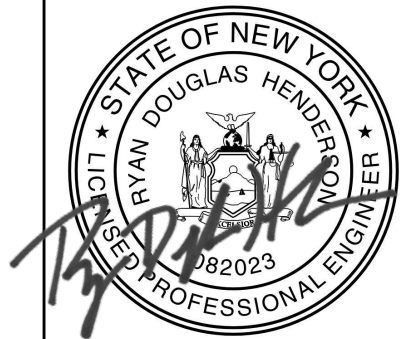


STAGE 3 DECK PANEL LAYOUT
SCAE 1" = 10'

- LEGEND
- AREA OF ANTICIPATED NEGATIVE HAUNCH
 - PANEL WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION FOR UHPC JOINTS AND CLOSURE, COST INCLUDED IN 557.64010103

- NOTES:
- SEE NOTES AND DETAILS ON ST2-11.
 - SEE ST2-13 FOR WORK ITEMS AND STAGE 3 QUANTITIES

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

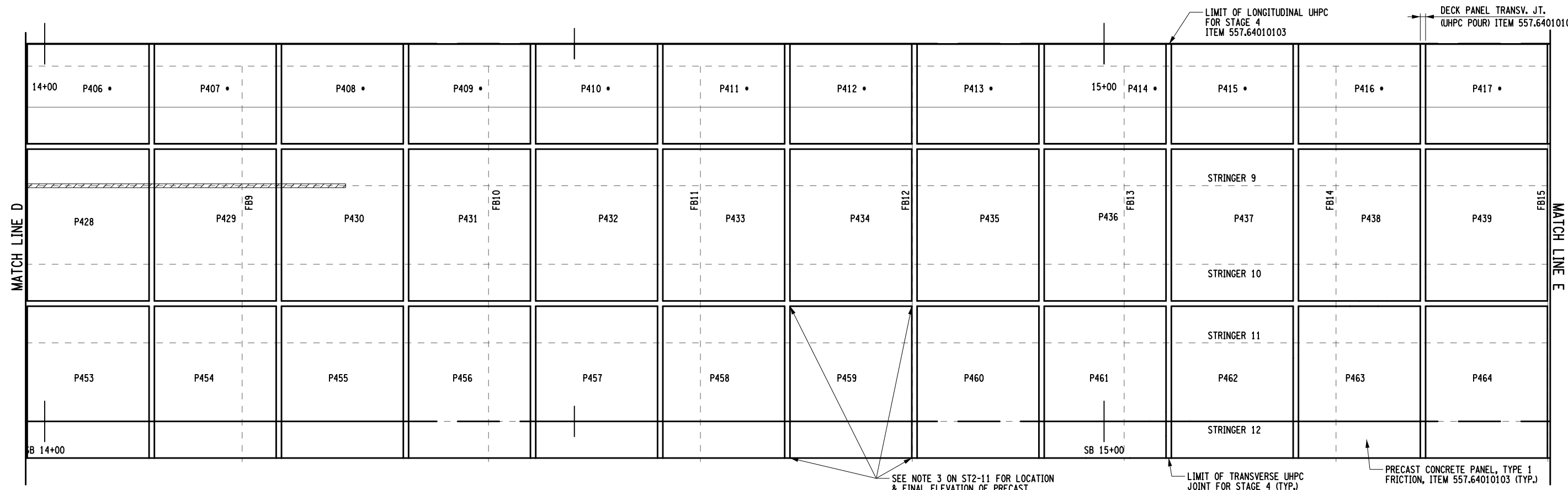


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 3 (2 OF 2)	DRAWING NUMBER: ST2-14

BIN 5040109 MP 29.54

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 DESIGN T. BENINATI
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 CHECK R. DAUGHER
 R. HENDERSON

USER = jmtpr11-pr-svc
 DATE/TIME = 15-MAY-2024 2:12
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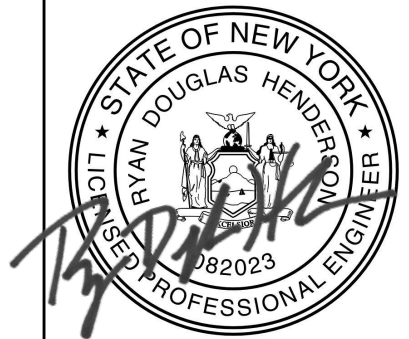
• PANELS WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION OF UHPC JOINTS AND CLOSURE COST INCLUDED IN 557.64010103



STAGE 4 DECK PANEL LAYOUT
SCALE 1" = 10'

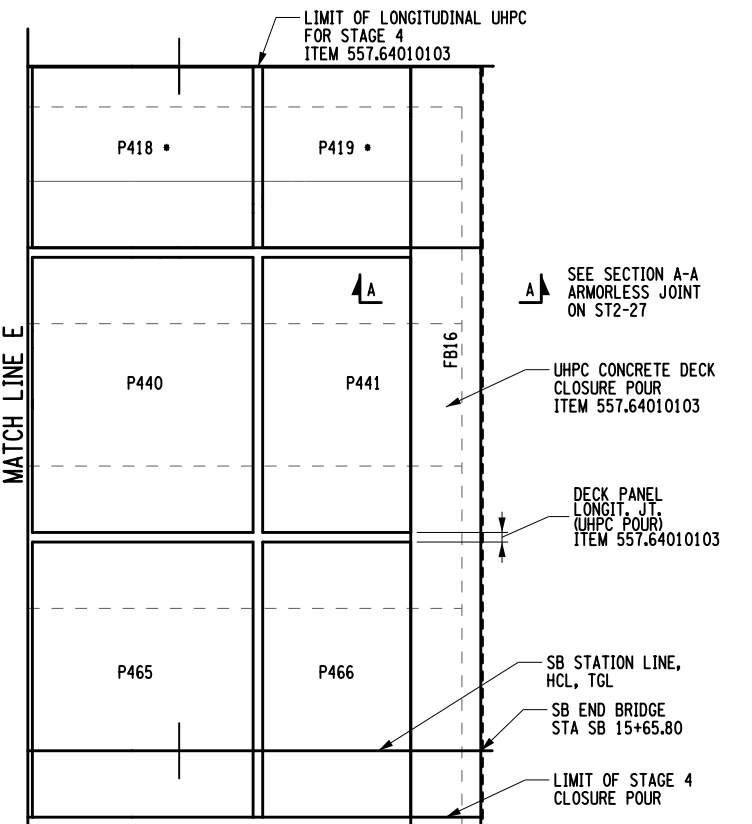
- NOTES:
- SEE NOTES AND DETAILS ON ST2-11.
 - SEE ST2-15 FOR STAGE 4 WORK ITEMS AND QUANTITIES.

ALTERED BY: ON:
AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



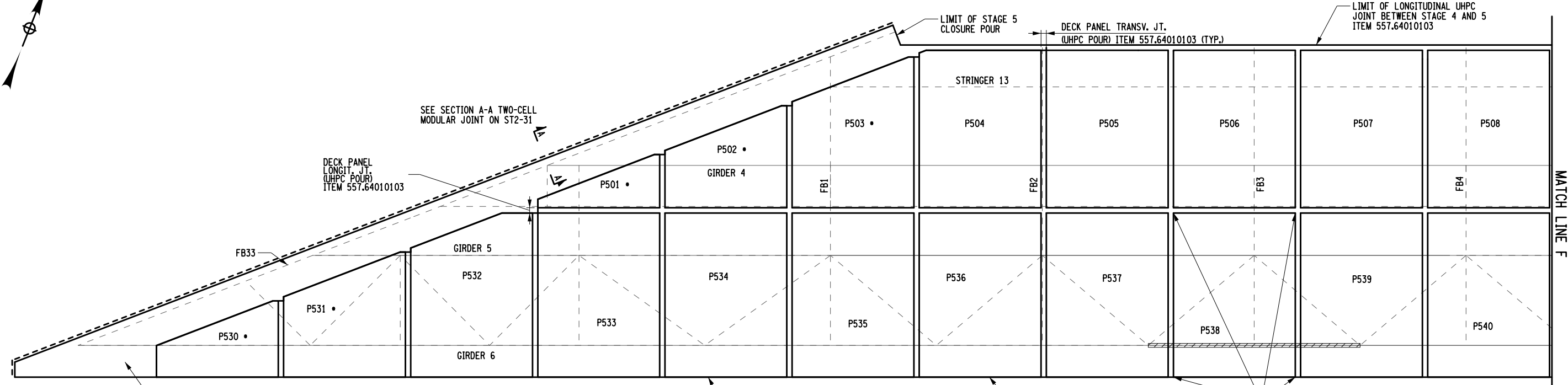
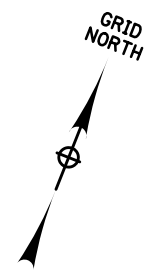
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



BIN 5040109 MP 29.54

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 4 (2 OF 2)	DRAWING NUMBER: ST2-16



STAGE 5 DECK PANEL LAYOUT
SCALE 1" = 10'

- PANELS WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION OF UHPC JOINTS AND CLOSURE COST INCLUDED IN 557.64010103

LEGEND
 AREA OF ANTICIPATED NEGATIVE HAUNCH

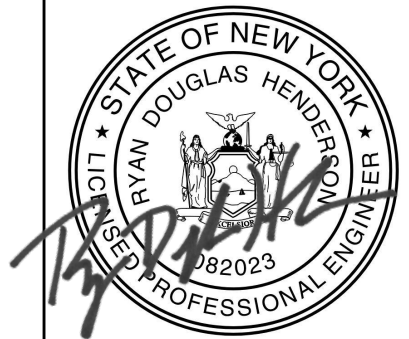
NOTES:
 1. SEE NOTES AND DETAILS ON ST2-11.

ITEMS OF WORK:
 557.60010004 - FULL DIAMOND GRINDING OF STRUCTURAL SLAB AND STRUCTURAL APPROACH SLAB WITH SLURRY REMOVAL
 557.64010103 - PRECAST CONCRETE DECK - TYPE 1 FRICTION
 558.02 - LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE
 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS

STAGE 5		
ITEM	UNIT	QUANTITY
557.60010004	SY	1200
557.64010103	SY	1262
558.02	SY	1200
559.01	SF	10780

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

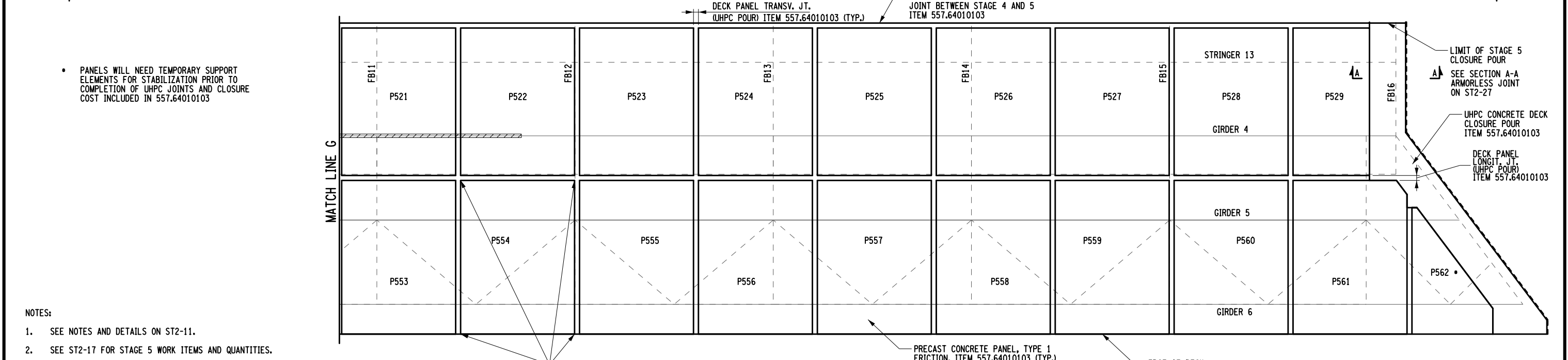
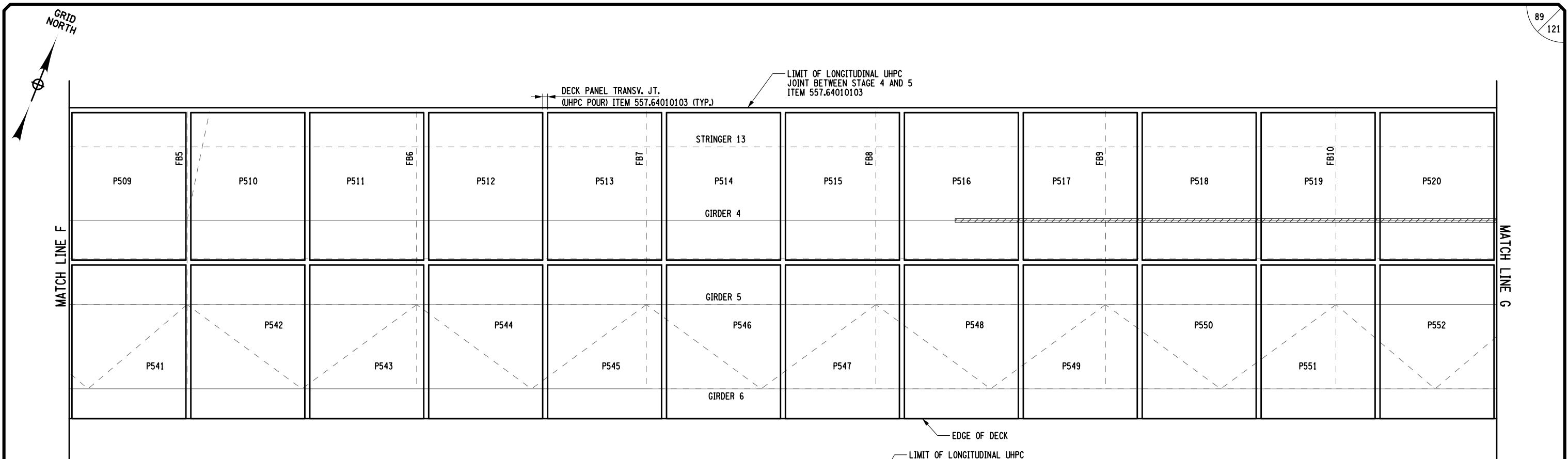


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 5 (1 OF 2)	DRAWING NUMBER: ST2-17

BIN 5040109 MP 29.54

USER = jmpr011-pr-svc
 DATE/TIME = 15-MAY-2024 2:11
 DESIGN SUPERVISOR R. HENDERSON
 DESIGN T. BENINATI
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 CHECK R. HENDERSON

USER = jmtpr11-pr-svc
 DATE/TIME = 15-MAY-2024 2:11
 FILE NAME =
 DESIGN SUPERVISOR R. HENDERSON
 DESIGN T. BENINATI
 CHECK R. HENDERSON
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON



• PANELS WILL NEED TEMPORARY SUPPORT ELEMENTS FOR STABILIZATION PRIOR TO COMPLETION OF UHPC JOINTS AND CLOSURE COST INCLUDED IN 557.64010103

- NOTES:
- SEE NOTES AND DETAILS ON ST2-11.
 - SEE ST2-17 FOR STAGE 5 WORK ITEMS AND QUANTITIES.

ALTERED BY: ON:
 AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

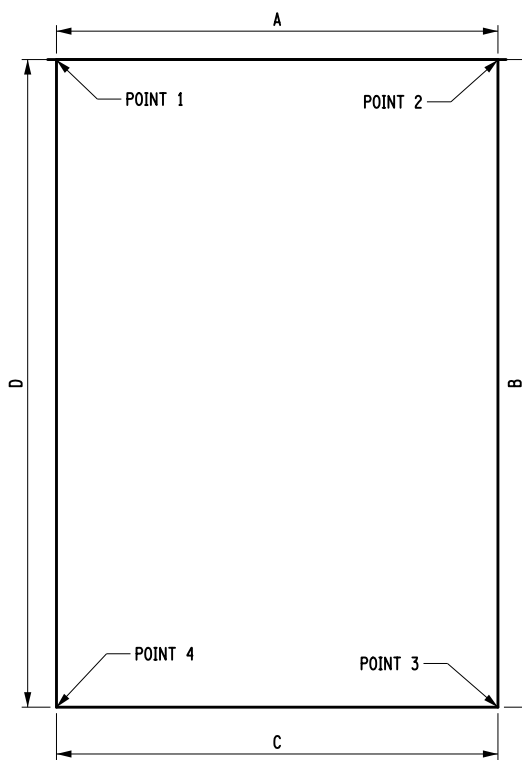


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL LAYOUT - STAGE 5 (2 OF 2)	DRAWING NUMBER: ST2-18

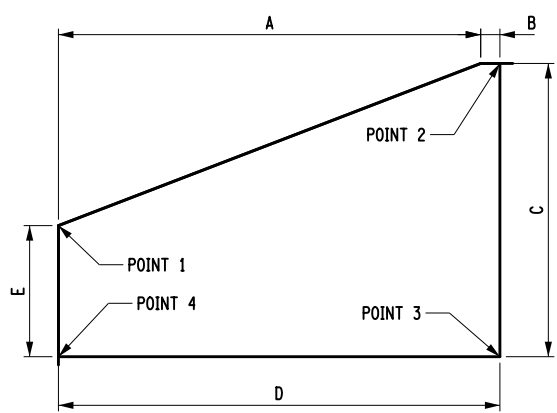
STAGE 5 DECK PANEL LAYOUT
SCALE 1" = 10'

LEGEND
 AREA OF ANTICIPATED NEGATIVE HAUNCH

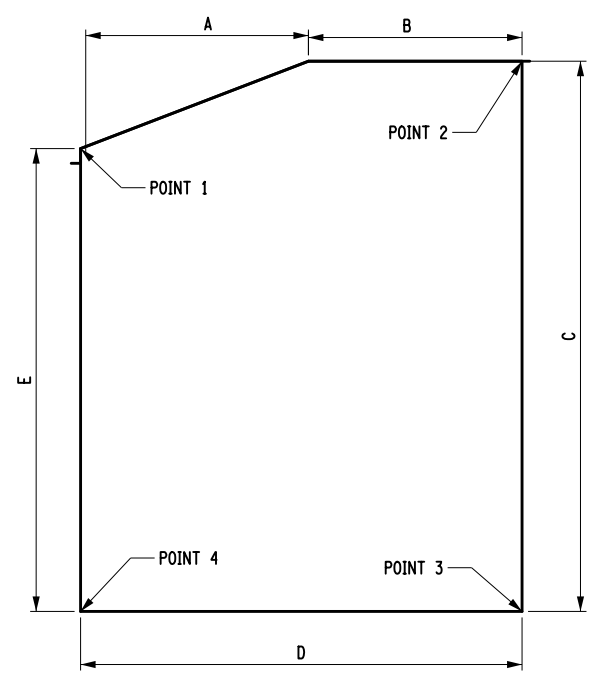
BIN 5040109 MP 29.54



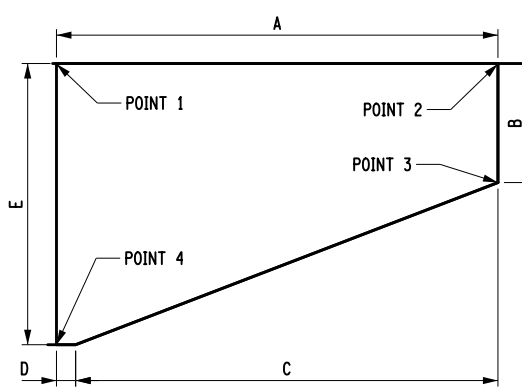
PANEL TYPE 1



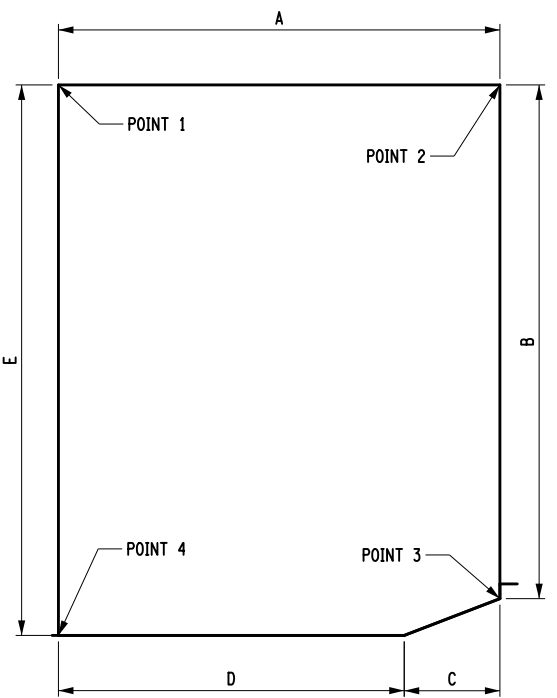
PANEL TYPE 2



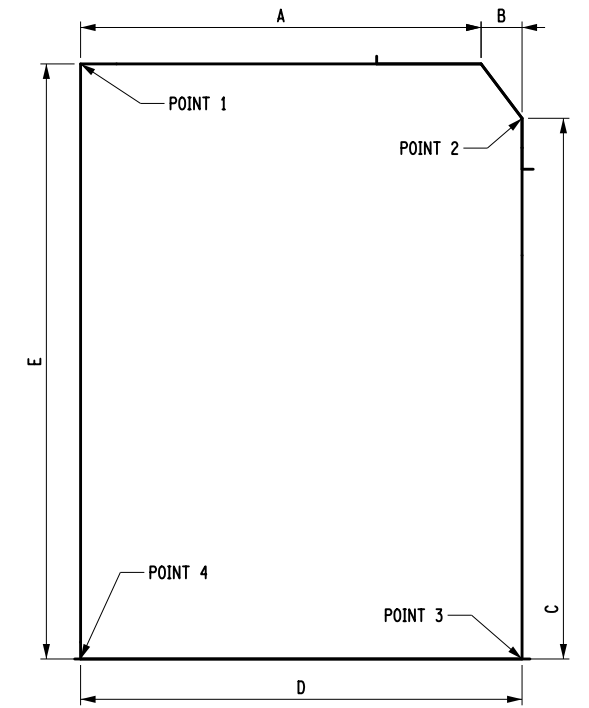
PANEL TYPE 3



PANEL TYPE 4

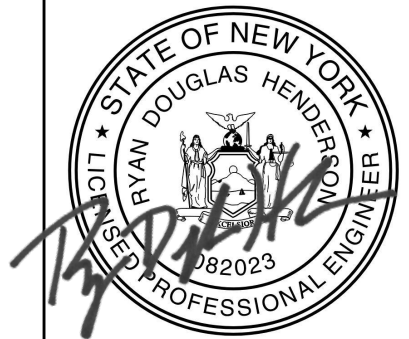


PANEL TYPE 5



PANEL TYPE 6

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



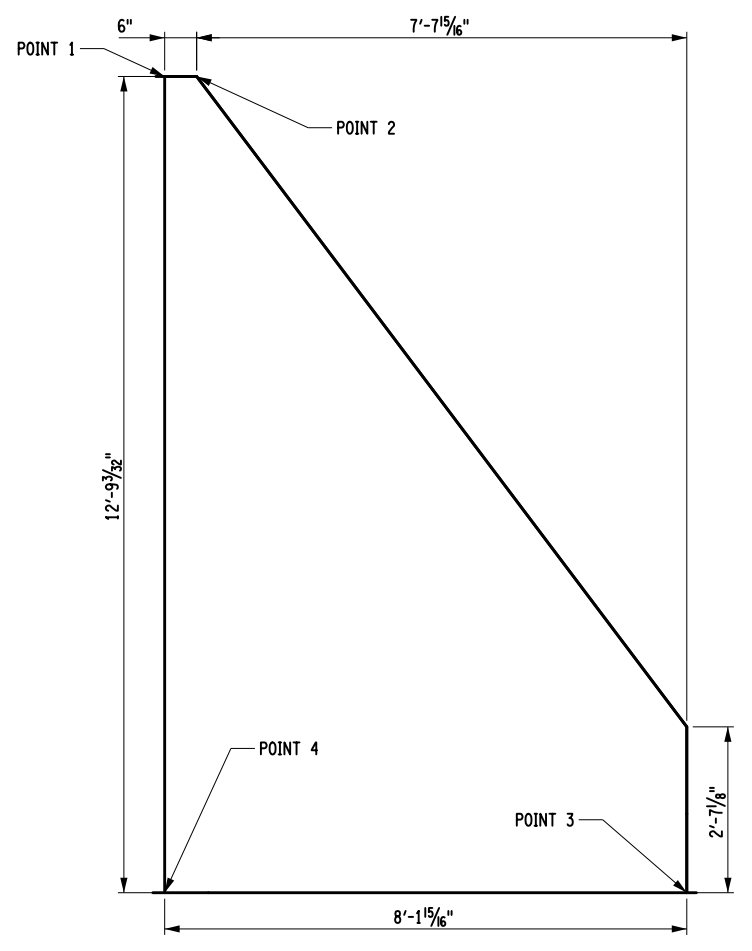
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL DETAILS (1 OF 6)	DRAWING NUMBER: ST2-19

BIN 5040109 MP 29.54

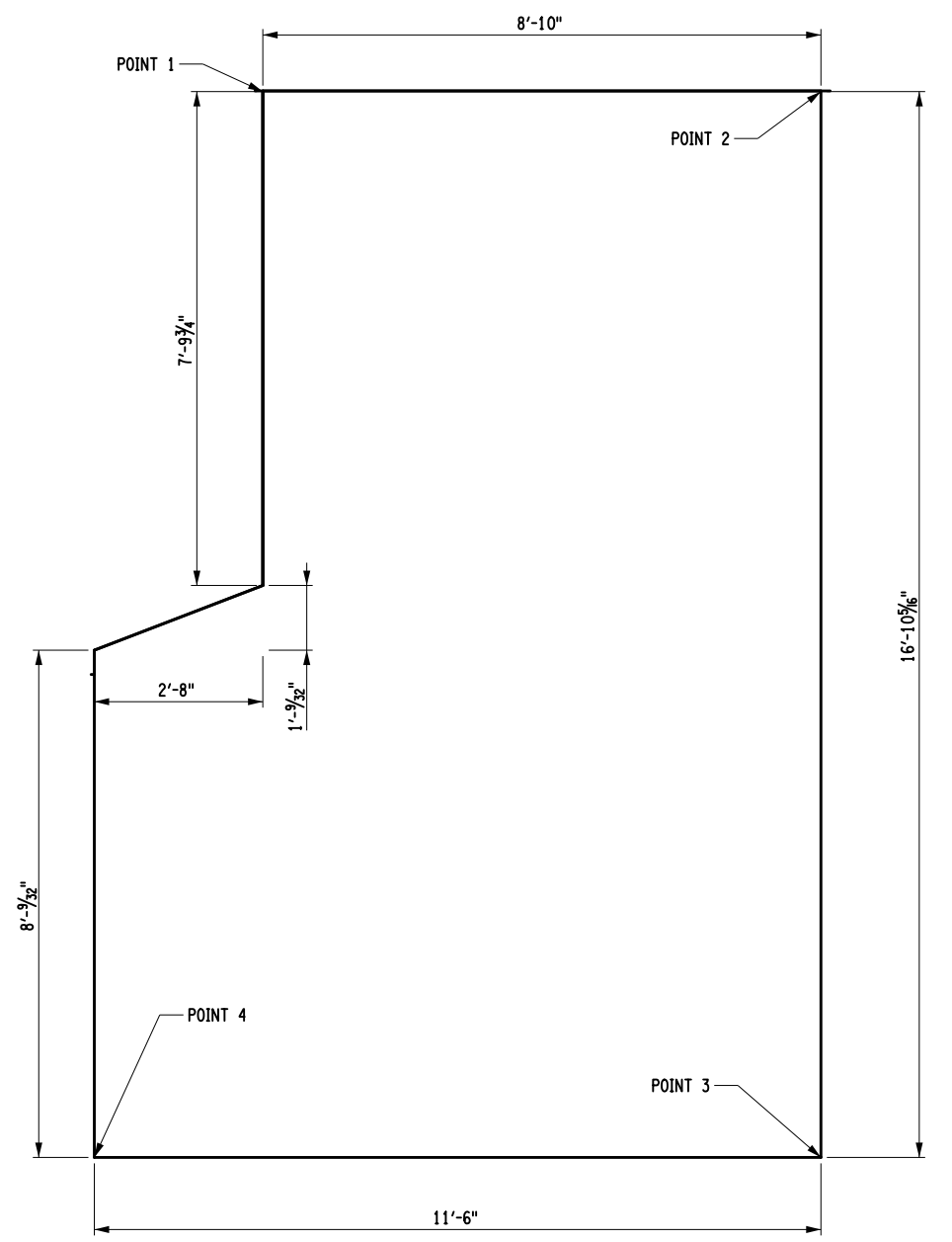
FILE NAME = DATE/TIME = 15-MAY-2024 2:11 DESIGN SUPERVISOR R. HENDERSON DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON USER = jmtpx11-pr-svc

FILE NAME = DATE/TIME = 15-MAY-2024 2:11 USER = jmp011-pr-svc DESIGN SUPERVISOR R. HENDERSON DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUCHER CHECK R. HENDERSON

CONCRETE PANELS						
PANEL NUMBER	TYPE	A	B	C	D	E
P203-P217	1	11.500	16.860	11.500	16.860	N/A
P224-P236	1	11.500	14.340	11.500	14.340	N/A
P306-P319	1	11.500	24.238	11.500	24.238	N/A
P401-P418	1	11.500	9.398	11.500	9.398	N/A
P423-P440	1	11.500	14.333	11.500	14.333	N/A
P445-P465	1	11.500	14.333	11.500	14.333	N/A
P505-P528	1	11.500	14.873	11.500	14.873	N/A
P533-P560	1	11.500	15.500	11.500	15.500	N/A
P201	2	11.000	0.500	7.639	11.500	3.415
P218	5	11.500	12.308	11.000	0.500	16.532
P219	4	11.500	7.699	11.000	0.500	11.924
P220	4	11.500	3.090	11.000	0.500	2.704
P221	2	11.000	0.500	8.655	11.500	4.430
P222	2	11.000	0.500	13.263	11.500	9.039
P223	3	1.805	9.695	14.340	11.500	13.647
P237	5	11.500	13.383	2.493	9.007	14.340
P238	4	11.500	8.774	11.000	0.500	12.999
P239	4	11.500	4.165	11.000	0.500	8.390
P240	4	11.500	0.500	11.000	0.500	3.781
P301	2	11.000	0.500	5.745	11.500	1.518
P302	2	11.000	0.500	10.351	11.500	6.127
P303	2	11.000	0.500	14.959	11.500	10.735
P304	2	11.000	0.500	19.567	11.500	15.343
P305	2	11.000	0.500	19.951	11.500	24.176
P320	4	11.500	12.367	11.000	0.500	16.594
P321	4	11.500	7.760	11.000	0.500	11.985
P322	4	11.500	1.165	11.000	0.500	7.376
P419	1	7.715	9.398	7.715	9.398	N/A
P420	2	11.000	0.500	7.069	11.500	2.849
P421	2	11.000	0.500	11.673	11.500	7.453
P422	3	5.935	5.565	14.333	11.500	12.057
P441	1	7.715	14.333	7.715	14.333	N/A
P442	2	11.000	0.500	8.079	11.500	3.857
P443	2	11.000	0.500	12.686	11.500	8.463
P444	3	3.293	8.207	14.333	11.500	13.069
P466	1	7.715	14.333	7.715	14.333	N/A
P501	2	11.000	0.500	5.023	11.500	0.804
P502	2	11.000	0.500	9.633	11.500	5.411
P503	2	11.000	0.500	14.239	11.500	10.017
P504	3	0.651	10.850	14.873	11.500	14.623
P529	1	7.715	14.873	7.715	14.873	N/A
P530	2	11.000	0.500	7.207	11.500	2.985
P531	2	11.000	0.500	11.814	11.500	7.591
P532	3	8.603	2.897	15.500	11.500	12.198
P561	6	10.433	1.067	14.084	11.500	15.500



PANEL 562
(NOT INCLUDED IN CONCRETE PANEL CHART)



PANEL 202
(NOT INCLUDED IN CONCRETE PANEL CHART)

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING PRECAST DECK PANEL DETAILS (2 OF 6)	DRAWING NUMBER: ST2-20

BIN 5040109 MP 29.54

CONCRETE PANEL SET POINT ELEV. STAGE 2 & 3					CONCRETE PANEL SET POINT ELEV. STAGE 2 & 3					CONCRETE PANEL SET POINT ELEV. STAGE 2 & 3					CONCRETE PANEL SET POINT ELEV. STAGE 2 & 3								
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.	PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.	PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.	PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P201	POINT 1	14+70.35	LT.	7.380	341.311	P216	POINT 1	16+50.35	LT.	20.820	336.470	P234	POINT 1	15+90.35	LT.	3.460	338.341	P312	POINT 1	15+06.35	RT.	11.380	340.316
	POINT 2	14+81.85	LT.	11.600	340.934		POINT 2	16+61.85	LT.	20.820	336.178		POINT 2	16+01.85	LT.	3.460	338.049		POINT 2	15+17.85	RT.	11.380	340.024
	POINT 3	14+81.85	LT.	3.960	341.087		POINT 3	16+61.85	LT.	3.960	336.515		POINT 3	16+01.85	RT.	10.880	337.900		POINT 3	15+17.85	RT.	35.610	339.539
	POINT 4	14+70.35	LT.	3.960	341.379		POINT 4	16+50.35	LT.	3.960	336.807		POINT 4	15+90.35	RT.	10.880	338.193		POINT 4	15+06.35	RT.	35.610	339.832
P202	POINT 1	14+85.01	LT.	20.820	340.669	P217	POINT 1	16+62.35	LT.	20.820	336.165	P235	POINT 1	16+02.35	LT.	3.460	338.036	P313	POINT 1	15+18.35	RT.	11.380	340.011
	POINT 2	14+93.85	LT.	20.820	340.445		POINT 2	16+73.85	LT.	20.820	335.873		POINT 2	16+13.85	LT.	3.460	337.744		POINT 2	15+29.85	RT.	11.380	339.719
	POINT 3	14+93.85	LT.	3.960	340.782		POINT 3	16+73.85	LT.	3.960	336.210		POINT 3	16+13.85	RT.	10.880	337.596		POINT 3	15+29.85	RT.	35.610	339.235
	POINT 4	14+82.35	LT.	3.960	341.074		POINT 4	16+62.35	LT.	3.960	336.502		POINT 4	16+02.35	RT.	10.880	337.888		POINT 4	15+18.35	RT.	35.610	339.527
P203	POINT 1	14+94.35	LT.	20.820	340.432	P218	POINT 1	16+74.35	LT.	20.820	335.860	P236	POINT 1	16+14.35	LT.	3.460	337.731	P314	POINT 1	15+30.35	RT.	11.380	339.707
	POINT 2	15+05.85	LT.	20.820	340.140		POINT 2	16+85.85	LT.	20.820	335.568		POINT 2	16+25.85	LT.	3.460	337.439		POINT 2	15+41.85	RT.	11.380	339.414
	POINT 3	15+05.85	LT.	3.960	340.477		POINT 3	16+85.85	LT.	8.520	335.814		POINT 3	16+25.85	RT.	10.880	337.291		POINT 3	15+41.85	RT.	35.610	338.930
	POINT 4	14+94.35	LT.	3.960	340.769		POINT 4	16+74.35	LT.	4.290	336.191		POINT 4	16+14.35	RT.	10.880	337.583		POINT 4	15+30.35	RT.	35.610	339.222
P204	POINT 1	15+06.35	LT.	20.820	340.127	P219	POINT 1	16+86.35	LT.	20.820	335.555	P237	POINT 1	16+26.35	LT.	3.460	337.427	P315	POINT 1	15+42.35	RT.	11.380	339.402
	POINT 2	15+17.85	LT.	20.820	339.835		POINT 2	16+97.85	LT.	20.820	335.263		POINT 2	16+37.85	LT.	3.460	337.134		POINT 2	15+53.85	RT.	11.380	339.110
	POINT 3	15+17.85	LT.	3.960	340.172		POINT 3	16+97.85	LT.	13.120	335.417		POINT 3	16+37.85	RT.	9.920	337.005		POINT 3	15+53.85	RT.	35.610	338.625
	POINT 4	15+06.35	LT.	3.960	340.465		POINT 4	16+86.35	LT.	8.900	335.794		POINT 4	16+26.35	RT.	10.880	337.278		POINT 4	15+42.35	RT.	35.610	338.917
P205	POINT 1	15+18.35	LT.	20.820	339.823	P220	POINT 1	16+98.35	LT.	20.820	335.251	P238	POINT 1	16+38.35	LT.	3.460	337.122	P316	POINT 1	15+54.35	RT.	11.380	339.097
	POINT 2	15+29.85	LT.	20.820	339.530		POINT 2	17+09.85	LT.	20.820	334.958		POINT 2	16+49.85	LT.	3.460	336.830		POINT 2	15+65.85	RT.	11.380	338.805
	POINT 3	15+29.85	LT.	3.960	339.868		POINT 3	17+09.85	LT.	17.730	335.020		POINT 3	16+49.85	RT.	5.310	336.793		POINT 3	15+65.85	RT.	35.610	338.320
	POINT 4	15+18.35	LT.	3.960	340.160		POINT 4	16+98.35	LT.	13.500	335.397		POINT 4	16+38.35	RT.	9.540	337.000		POINT 4	15+54.35	RT.	35.610	338.612
P206	POINT 1	15+30.35	LT.	20.820	339.518	P221	POINT 1	14+34.35	RT.	6.450	342.244	P239	POINT 1	16+50.35	LT.	3.460	336.817	P317	POINT 1	15+66.35	RT.	11.380	338.792
	POINT 2	15+41.85	LT.	20.820	339.226		POINT 2	14+45.85	RT.	2.220	342.036		POINT 2	16+61.85	LT.	3.460	336.525		POINT 2	15+77.85	RT.	11.380	338.500
	POINT 3	15+41.85	LT.	3.960	339.563		POINT 3	14+45.85	RT.	10.880	341.863		POINT 3	16+61.85	RT.	0.700	336.580		POINT 3	15+77.85	RT.	35.610	338.015
	POINT 4	15+30.35	LT.	3.960	339.855		POINT 4	14+34.35	RT.	10.880	342.155		POINT 4	16+50.35	RT.	4.930	336.788		POINT 4	15+66.35	RT.	35.610	338.308
P207	POINT 1	15+42.35	LT.	20.820	339.213	P222	POINT 1	14+46.35	LT.	1.840	342.031	P240	POINT 1	16+62.34	LT.	3.460	336.512	P318	POINT 1	15+78.35	RT.	11.380	338.487
	POINT 2	15+53.85	LT.	20.820	338.921		POINT 2	14+57.85	LT.	2.390	341.728		POINT 2	16+71.40	LT.	3.460	336.282		POINT 2	15+89.85	RT.	11.380	338.195
	POINT 3	15+53.85	LT.	3.960	339.258		POINT 3	14+57.85	RT.	10.880	341.558		POINT 3	16+71.40	LT.	2.970	336.292		POINT 3	15+89.85	RT.	35.610	337.711
	POINT 4	15+42.35	LT.	3.960	339.550		POINT 4	14+46.35	RT.	10.880	341.850		POINT 4	16+62.34	RT.	0.320	336.575		POINT 4	15+78.35	RT.	35.610	338.003
P208	POINT 1	15+54.35	LT.	20.820	338.908	P223	POINT 1	14+60.15	LT.	3.460	341.648	P301	POINT 1	13+74.35	RT.	29.480	343.307	P319	POINT 1	15+90.35	RT.	11.380	338.183
	POINT 2	15+65.85	LT.	20.820	338.616		POINT 2	14+69.85	LT.	3.460	341.402		POINT 2	13+85.85	RT.	25.260	343.099		POINT 2	16+01.85	RT.	11.380	337.890
	POINT 3	15+65.85	LT.	3.960	338.953		POINT 3	14+69.85	RT.	10.880	341.253		POINT 3	13+85.85	RT.	35.610	342.892		POINT 3	16+01.85	RT.	35.610	337.406
	POINT 4	15+54.35	LT.	3.960	339.245		POINT 4	14+58.35	RT.	10.880	341.545		POINT 4	13+74.35	RT.	35.610	343.184		POINT 4	15+90.35	RT.	35.610	337.698
P209	POINT 1	15+66.35	LT.	20.820	338.603	P224	POINT 1	14+70.35	LT.	3.460	341.389	P302	POINT 1	13+86.35	RT.	24.880	343.094	P320	POINT 1	16+02.35	RT.	11.380	337.878
	POINT 2	15+77.85	LT.	20.820	338.311		POINT 2	14+81.85	LT.	3.460	341.097		POINT 2	13+97.85	RT.	20.660	342.886		POINT 2	16+13.85	RT.	11.380	337.586
	POINT 3	15+77.85	LT.	3.960	338.648		POINT 3	14+81.85	RT.	10.880	340.948		POINT 3	13+97.85	RT.	35.610	342.587		POINT 3	16+13.85	RT.	23.750	337.338
	POINT 4	15+66.35	LT.	3.960	338.941		POINT 4	14+70.35	RT.	10.880	341.241		POINT 4	13+86.35	RT.	35.610	342.880		POINT 4	16+02.35	RT.	27.970	337.546
P210	POINT 1	15+78.35	LT.	20.820	338.299	P225	POINT 1	14+82.35	LT.	3.460	341.084	P303	POINT 1	13+98.35	RT.	20.270	342.882	P321	POINT 1	16+14.35	RT.	11.380	337.573
	POINT 2	15+89.85	LT.	20.820	338.006		POINT 2	14+93.85	LT.	3.460	340.792		POINT 2	14+09.85	RT.	16.050	342.674		POINT 2	16+25.85	RT.	11.380	337.281
	POINT 3	15+89.85	LT.	3.960	338.344		POINT 3	14+93.85	RT.	10.880	340.644		POINT 3	14+09.85	RT.	35.610	342.283		POINT 3	16+25.85	RT.	19.140	337.126
	POINT 4	15+78.35	LT.	3.960	338.636		POINT 4	14+82.35	RT.	10.880	340.936		POINT 4	13+98.35	RT.	35.610	342.575		POINT 4	16+14.35	RT.	23.360	337.333
P211	POINT 1	15+90.35	LT.	20.820	337.994	P226	POINT 1	14+94.35	LT.	3.460	340.779	P304	POINT 1	14+10.35	RT.	15.660	342.669	P322	POINT 1	16+26.35	RT.	11.380	337.268
	POINT 2	16+01.85	LT.	20.820	337.702		POINT 2	15+05.85	LT.	3.460	340.487		POINT 2	14+21.85	RT.	11.440	342.461		POINT 2	16+37.85	RT.	11.380	336.976
	POINT 3	16+01.85	LT.	3.960	338.039		POINT 3	15+05.85	RT.	10.880	340.339		POINT 3	14+21.85	RT.	35.610	341.978		POINT 3	16+37.85	RT.	14.530	336.913
	POINT 4	15+90.35	LT.	3.960	338.331		POINT 4	14+94.35	RT.	10.880	340.631		POINT 4	14+10.35	RT.	35.610	342.270		POINT 4	16+26.35	RT.	18.750	337.121
P212	POINT 1	16+02.35	LT.	20.820	337.689	P227	POINT 1	15+06.35	LT.	3.460	340.475	P305	POINT 1	14+22.35	RT.	11.380	342.450	P323	POINT 1	16+26.35	RT.	18.750	337.121
	POINT 2	16+13.85	LT.	20.820	337.397		POINT 2	15+17.85	LT.	3.460	340.182		POINT 2	14+33.85	RT.	11.380	342.158						
	POINT 3	16+13.85	LT.	3.960	337.734		POINT 3	15+17.85	RT.	10.880	340.034		POINT 3	14+33.85	RT.	35.610	341.673						
	POINT 4	16+02.35	LT.	3.960	338.026		POINT 4	15+06.35	RT.	10.880	340.326		POINT 4	14+22.35	RT.	35.610	341.965						
P213	POINT 1	16+14.35	LT.	20.820	337.384	P228	POINT 1	15+18.35	LT.	3.460	340.170	P306	POINT 1	14+34.35	RT.	11.380	342.145						
	POINT 2	16+25.85	LT.	20.820	337.092		POINT 2	15+29.85	LT.	3.460	339.878		POINT 2	14+45.85	RT.	11.380	341.853						
	POINT 3	16+25.85	LT.	3.960	337.429		POINT 3	15+29.85	RT.	10.880	339.729		POINT 3	14+45.85	RT.	35.610	341.368						
	POINT 4	16+14.35	LT.	3.960	337.721		POINT 4	15+18.35	RT.	10.880	340.021		POINT 4	14+34.35	RT.	35.610	341.660						
P214	POINT 1	16+26.35	LT.	20.820	337.079	P229	POINT 1	15+30.35	LT.	3.460	339.865	P307	POINT 1	14+46.35	RT.	11.380	341.840						
	POINT 2	16+37.85	LT.	20.820	336.787		POINT 2	15+41.85	LT.	3.460	339.573		POINT 2	14+57.85	RT.	11.380	341.548						
	POINT 3	16+37.85	LT.	3.960	337.124		POINT 3	15+41.85	RT.	10.880	339.424		POINT 3	14+57.85	RT.	35.610	341.063						
	POINT 4	16+26.35	LT.	3.960	337.417		POINT 4	15+30.35	RT.	10.880	339.717		POINT 4	14+46.35	RT.	35.610	341.356						
P215	POINT 1	16+38.35	LT.	20.820	336.775	P230	POINT 1	15+42.35	LT.	3.460	339.560	P308	POINT 1	14+58.35	RT.	11.380	341.535						
	POINT 2	16+49.85	LT.	20.820</																			

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DESIGN SUPERVISOR R. HENDERSON CHECK T. BENINATI R. HENDERSON DRAFTING R. DAUGHER R. HENDERSON CHECK R. HENDERSON

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P401	POINT 1	13+38.35	LT.	35.670	344.165
	POINT 2	13+49.85	LT.	35.670	343.872
	POINT 3	13+49.85	LT.	26.210	344.062
	POINT 4	13+38.35	LT.	26.210	344.354
P402	POINT 1	13+50.35	LT.	35.670	343.860
	POINT 2	13+61.85	LT.	35.670	343.568
	POINT 3	13+61.85	LT.	26.210	343.757
	POINT 4	13+50.35	LT.	26.210	344.049
P403	POINT 1	13+62.35	LT.	35.670	343.555
	POINT 2	13+73.85	LT.	35.670	343.263
	POINT 3	13+73.85	LT.	26.210	343.452
	POINT 4	13+62.35	LT.	26.210	343.744
P404	POINT 1	13+74.35	LT.	35.670	343.250
	POINT 2	13+85.85	LT.	35.670	342.958
	POINT 3	13+85.85	LT.	26.210	343.147
	POINT 4	13+74.35	LT.	26.210	343.439
P405	POINT 1	13+86.35	LT.	35.670	342.945
	POINT 2	13+97.85	LT.	35.670	342.653
	POINT 3	13+97.85	LT.	26.210	342.842
	POINT 4	13+86.35	LT.	26.210	343.135
P406	POINT 1	13+98.35	LT.	35.670	342.641
	POINT 2	14+09.85	LT.	35.670	342.348
	POINT 3	14+09.85	LT.	26.210	342.538
	POINT 4	13+98.35	LT.	26.210	342.830
P407	POINT 1	14+10.35	LT.	35.670	342.336
	POINT 2	14+21.85	LT.	35.670	342.044
	POINT 3	14+21.85	LT.	26.210	342.233
	POINT 4	14+10.35	LT.	26.210	342.525
P408	POINT 1	14+22.35	LT.	35.670	342.031
	POINT 2	14+33.85	LT.	35.670	341.739
	POINT 3	14+33.85	LT.	26.210	341.928
	POINT 4	14+22.35	LT.	26.210	342.220
P409	POINT 1	14+34.35	LT.	35.670	341.726
	POINT 2	14+45.85	LT.	35.670	341.434
	POINT 3	14+45.85	LT.	26.210	341.623
	POINT 4	14+34.35	LT.	26.210	341.915
P410	POINT 1	14+46.35	LT.	35.670	341.421
	POINT 2	14+57.85	LT.	35.670	341.129
	POINT 3	14+57.85	LT.	26.210	341.318
	POINT 4	14+46.35	LT.	26.210	341.611
P411	POINT 1	14+58.35	LT.	35.670	341.117
	POINT 2	14+69.85	LT.	35.670	340.824
	POINT 3	14+69.85	LT.	26.210	341.014
	POINT 4	14+58.35	LT.	26.210	341.306
P412	POINT 1	14+70.35	LT.	35.670	340.812
	POINT 2	14+81.85	LT.	35.670	340.520
	POINT 3	14+81.85	LT.	26.210	340.709
	POINT 4	14+70.35	LT.	26.210	341.001
P413	POINT 1	14+82.35	LT.	35.670	340.507
	POINT 2	14+93.85	LT.	35.670	340.215
	POINT 3	14+93.85	LT.	26.210	340.404
	POINT 4	14+82.35	LT.	26.210	340.696

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P414	POINT 1	14+94.35	LT.	35.670	340.202
	POINT 2	15+05.85	LT.	35.670	339.910
	POINT 3	15+05.85	LT.	26.210	340.099
	POINT 4	14+94.35	LT.	26.210	340.391
P415	POINT 1	15+06.35	LT.	35.670	339.897
	POINT 2	15+17.85	LT.	35.670	339.605
	POINT 3	15+17.85	LT.	26.210	339.794
	POINT 4	15+06.35	LT.	26.210	340.087
P416	POINT 1	15+18.35	LT.	35.670	339.593
	POINT 2	15+29.85	LT.	35.670	339.300
	POINT 3	15+29.85	LT.	26.210	339.490
	POINT 4	15+18.35	LT.	26.210	339.782
P417	POINT 1	15+30.35	LT.	35.670	339.288
	POINT 2	15+41.85	LT.	35.670	338.996
	POINT 3	15+41.85	LT.	26.210	339.185
	POINT 4	15+30.35	LT.	26.210	339.477
P418	POINT 1	15+42.35	LT.	35.670	338.983
	POINT 2	15+53.85	LT.	35.670	338.691
	POINT 3	15+53.85	LT.	26.210	338.880
	POINT 4	15+42.35	LT.	26.210	339.172
P419	POINT 1	15+54.35	LT.	35.670	338.678
	POINT 2	15+65.85	LT.	35.670	338.386
	POINT 3	15+65.85	LT.	26.210	338.575
	POINT 4	15+54.35	LT.	26.210	338.867
P420	POINT 1	13+02.35	LT.	14.220	345.508
	POINT 2	13+13.85	LT.	18.440	345.131
	POINT 3	13+13.85	LT.	11.370	345.273
	POINT 4	13+02.35	LT.	11.370	345.565
P421	POINT 1	13+14.35	LT.	18.830	345.111
	POINT 2	13+25.85	LT.	23.050	344.734
	POINT 3	13+25.85	LT.	11.370	344.968
	POINT 4	13+14.35	LT.	11.370	345.260
P422	POINT 1	13+26.35	LT.	23.430	344.714
	POINT 2	13+37.85	LT.	23.430	344.422
	POINT 3	13+37.85	LT.	11.370	344.663
	POINT 4	13+26.35	LT.	11.370	344.955
P423	POINT 1	13+38.35	LT.	25.700	344.364
	POINT 2	13+49.85	LT.	25.700	344.072
	POINT 3	13+49.85	LT.	11.370	344.358
	POINT 4	13+38.35	LT.	11.370	344.651
P424	POINT 1	13+50.35	LT.	25.700	344.059
	POINT 2	13+61.85	LT.	25.700	343.767
	POINT 3	13+61.85	LT.	11.370	344.054
	POINT 4	13+50.35	LT.	11.370	344.346
P425	POINT 1	13+62.35	LT.	25.700	343.754
	POINT 2	13+73.85	LT.	25.700	343.462
	POINT 3	13+73.85	LT.	11.370	343.749
	POINT 4	13+62.35	LT.	11.370	344.041
P426	POINT 1	13+74.35	LT.	25.700	343.450
	POINT 2	13+85.85	LT.	25.700	343.157
	POINT 3	13+85.85	LT.	11.370	343.444
	POINT 4	13+74.35	LT.	11.370	343.736

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P427	POINT 1	13+86.35	LT.	25.700	343.145
	POINT 2	13+97.85	LT.	25.700	342.853
	POINT 3	13+97.85	LT.	11.370	343.139
	POINT 4	13+86.35	LT.	11.370	343.431
P428	POINT 1	13+98.35	LT.	25.700	342.840
	POINT 2	14+09.85	LT.	25.700	342.548
	POINT 3	14+09.85	LT.	11.370	342.834
	POINT 4	13+98.35	LT.	11.370	343.127
P429	POINT 1	14+10.35	LT.	25.700	342.535
	POINT 2	14+21.85	LT.	25.700	342.243
	POINT 3	14+21.85	LT.	11.370	342.530
	POINT 4	14+10.35	LT.	11.370	342.822
P430	POINT 1	14+22.35	LT.	25.700	342.230
	POINT 2	14+33.85	LT.	25.700	341.938
	POINT 3	14+33.85	LT.	11.370	342.225
	POINT 4	14+22.35	LT.	11.370	342.517
P431	POINT 1	14+34.35	LT.	25.700	341.926
	POINT 2	14+45.85	LT.	25.700	341.633
	POINT 3	14+45.85	LT.	11.370	341.920
	POINT 4	14+34.35	LT.	11.370	342.212
P432	POINT 1	14+46.35	LT.	25.700	341.621
	POINT 2	14+57.85	LT.	25.700	341.329
	POINT 3	14+57.85	LT.	11.370	341.615
	POINT 4	14+46.35	LT.	11.370	341.907
P433	POINT 1	14+58.35	LT.	25.700	341.316
	POINT 2	14+69.85	LT.	25.700	341.024
	POINT 3	14+69.85	LT.	11.370	341.310
	POINT 4	14+58.35	LT.	11.370	341.603
P434	POINT 1	14+70.35	LT.	25.700	341.011
	POINT 2	14+81.85	LT.	25.700	340.719
	POINT 3	14+81.85	LT.	11.370	341.006
	POINT 4	14+70.35	LT.	11.370	341.298
P435	POINT 1	14+82.35	LT.	25.700	340.706
	POINT 2	14+93.85	LT.	25.700	340.414
	POINT 3	14+93.85	LT.	11.370	340.701
	POINT 4	14+82.35	LT.	11.370	340.993
P436	POINT 1	14+94.35	LT.	25.700	340.402
	POINT 2	15+05.85	LT.	25.700	340.109
	POINT 3	15+05.85	LT.	11.370	340.396
	POINT 4	14+94.35	LT.	11.370	340.688
P437	POINT 1	15+06.35	LT.	25.700	340.097
	POINT 2	15+17.85	LT.	25.700	339.805
	POINT 3	15+17.85	LT.	11.370	340.091
	POINT 4	15+06.35	LT.	11.370	340.383
P438	POINT 1	15+18.35	LT.	25.700	339.792
	POINT 2	15+29.85	LT.	25.700	339.500
	POINT 3	15+29.85	LT.	11.370	339.786
	POINT 4	15+18.35	LT.	11.370	340.079
P439	POINT 1	15+30.35	LT.	25.700	339.487
	POINT 2	15+41.85	LT.	25.700	339.195
	POINT 3	15+41.85	LT.	11.370	339.482
	POINT 4	15+30.35	LT.	11.370	339.774
P440	POINT 1	15+42.35	LT.	25.700	339.182
	POINT 2	15+53.85	LT.	25.700	338.890
	POINT 3	15+53.85	LT.	11.370	339.177
	POINT 4	15+42.35	LT.	11.370	339.469
P441	POINT 1	15+54.35	LT.	25.700	338.878
	POINT 2	15+62.07	LT.	25.700	338.681
	POINT 3	15+62.07	LT.	11.370	338.968
	POINT 4	15+54.35	LT.	11.370	339.164

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P442	POINT 1	12+66.32	LT.	0.390	346.700
	POINT 2	12+77.82	LT.	4.620	346.323
	POINT 3	12+77.82	RT.	3.460	346.346
	POINT 4	12+66.32	RT.	3.460	346.638
P443	POINT 1	12+78.32	LT.	5.000	346.303
	POINT 2	12+89.82	LT.	9.220	345.926
	POINT 3	12+89.82	RT.	3.460	346.041
	POINT 4	12+78.32	RT.	3.460	346.333
P444	POINT 1	12+90.32	LT.	9.600	345.906
	POINT 2	13+01.82	LT.	10.870	345.588
	POINT 3	13+01.82	RT.	3.460	345.737
	POINT 4	12+90.32	RT.	3.460	346.029
P445	POINT 1	13+02.32	LT.	10.870	345.576
	POINT 2	13+13.82	LT.	10.870	345.284
	POINT 3	13+13.82	RT.	3.460	345.432
	POINT 4	13+02.32	RT.	3.460	345.724
P446	POINT 1	13+14.32	LT.	10.870	345.271
	POINT 2	13+25.82	LT.	10.870	344.979
	POINT 3	13+25.82	RT.	3.460	345.127
	POINT 4	13+14.32	RT.	3.460	345.419
P447	POINT 1	13+26.32	LT.	10.870	344.966
	POINT 2	13+37.82	LT.	10.870	344.674
	POINT 3	13+37.82	RT.	3.460	344.822
	POINT 4	13+26.32	RT.	3.460	345.114
P448	POINT 1	13+38.32	LT.	10.870	344.661
	POINT 2	13+49.82	LT.	10.870	344.369
	POINT 3	13+49.82	RT.	3.460	344.517
	POINT 4	13+38.32	RT.	3.460	344.809
P449	POINT 1	13+50.32	LT.	10.870	344.356
	POINT 2	13+61.82	LT.	10.870	344.064
	POINT 3	13+61.82	RT.	3.460	344.213
	POINT 4	13+50.32	RT.	3.460	344.505
P450	POINT 1	13+62.32	LT.	10.870	344.052
	POINT 2	13+73.82	LT.	10.870	343.760
	POINT 3	13+73.82	RT.	3.460	343.908
	POINT 4	13+62.32	RT.	3.460	344.200
P451	POINT 1	13+74.32	LT.	10.870	343.747
	POINT 2	13+85.82	LT.	10.870	343.455
	POINT 3	13+85.82	RT.	3.460	343.603
	POINT 4	13+74.32	RT.	3.460	343.895
P452	POINT 1	13+86.32	LT.	10.870	343.442
	POINT 2	13+97.82	LT.	10.870	343.150
	POINT 3	13+97.82	RT.	3.460	

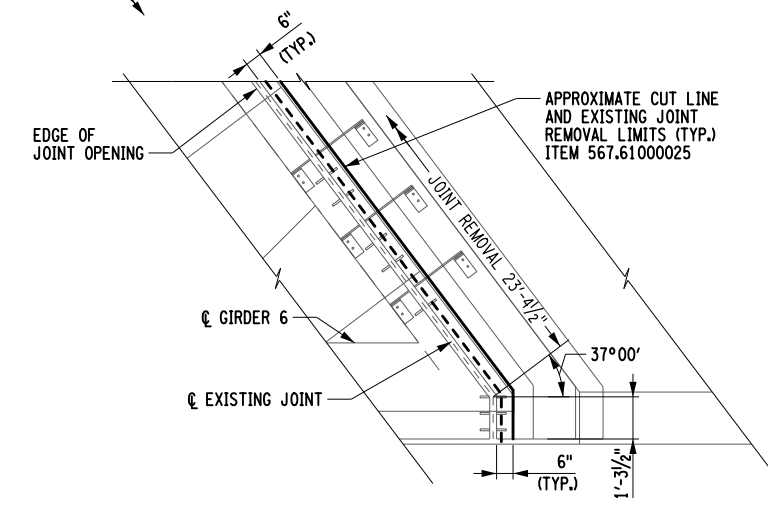
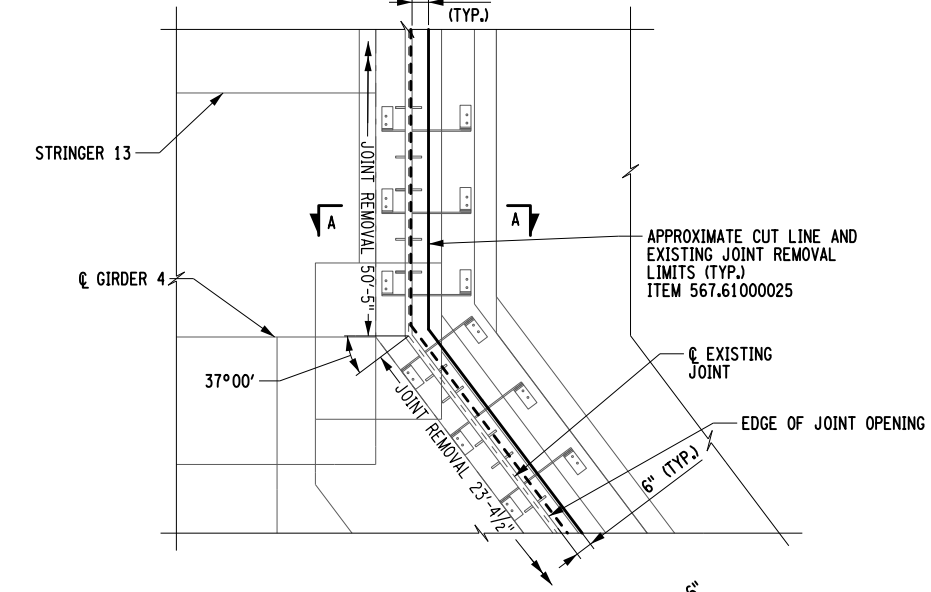
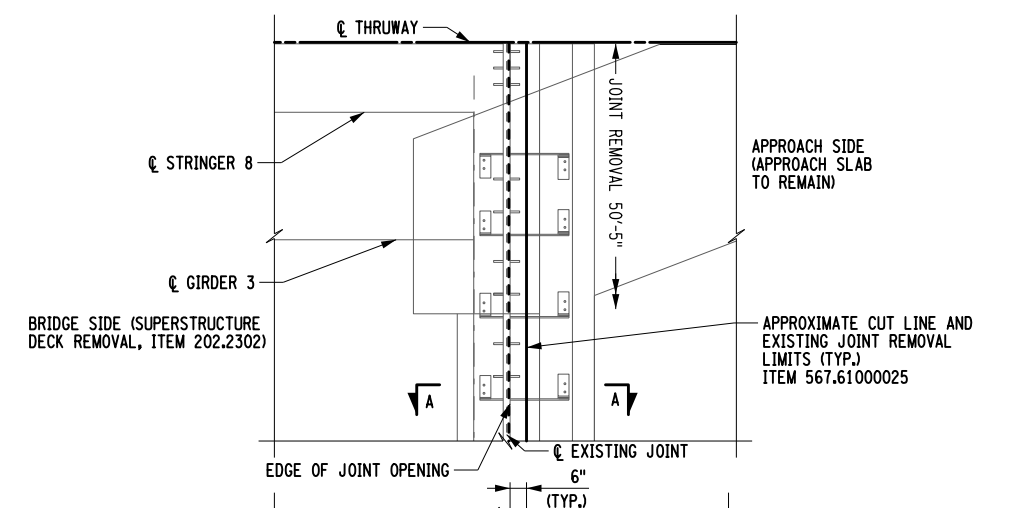
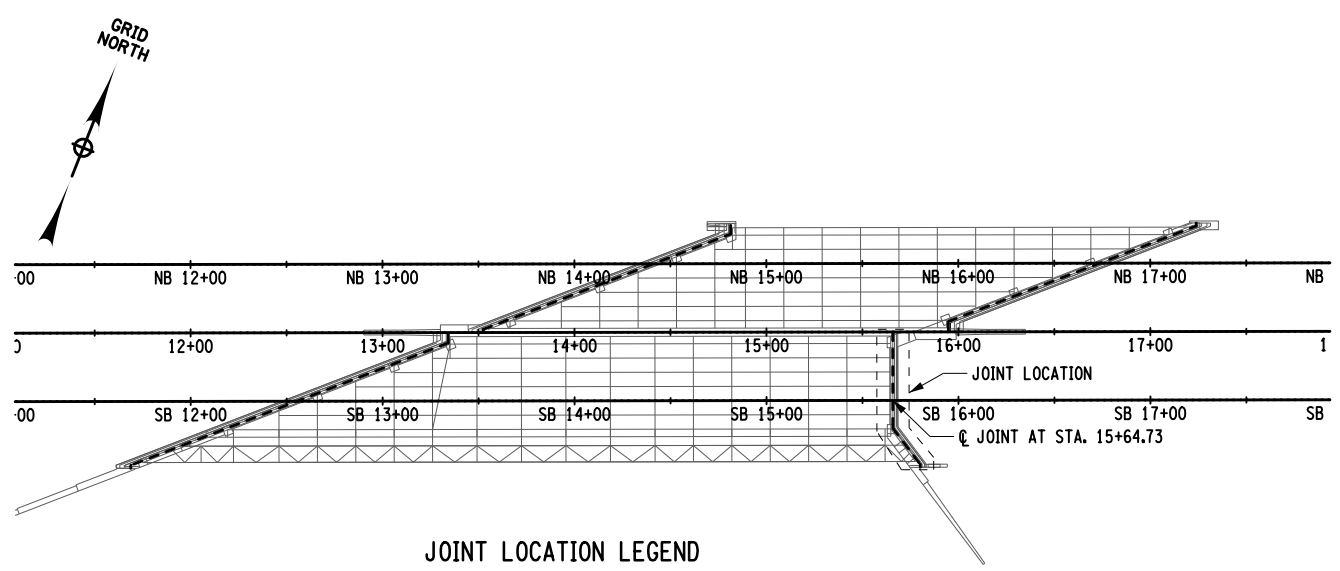
CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P506	POINT 1	12+78.35	RT.	3.960	346.323
	POINT 2	12+89.85	RT.	3.960	346.031
	POINT 3	12+89.85	RT.	18.830	345.733
	POINT 4	12+78.35	RT.	18.830	346.025
P507	POINT 1	12+90.35	RT.	3.960	346.018
	POINT 2	13+01.85	RT.	3.960	345.726
	POINT 3	13+01.85	RT.	18.830	345.428
	POINT 4	12+90.35	RT.	18.830	345.721
P508	POINT 1	13+02.35	RT.	3.960	345.713
	POINT 2	13+13.85	RT.	3.960	345.421
	POINT 3	13+13.85	RT.	18.830	345.124
	POINT 4	13+02.35	RT.	18.830	345.416
P509	POINT 1	13+14.35	RT.	3.960	345.408
	POINT 2	13+25.85	RT.	3.960	345.116
	POINT 3	13+25.85	RT.	18.830	344.819
	POINT 4	13+14.35	RT.	18.830	345.111
P510	POINT 1	13+26.35	RT.	3.960	345.104
	POINT 2	13+37.85	RT.	3.960	344.811
	POINT 3	13+37.85	RT.	18.830	344.514
	POINT 4	13+26.35	RT.	18.830	344.806
P511	POINT 1	13+38.35	RT.	3.960	344.799
	POINT 2	13+49.85	RT.	3.960	344.507
	POINT 3	13+49.85	RT.	18.830	344.209
	POINT 4	13+38.35	RT.	18.830	344.501
P512	POINT 1	13+50.35	RT.	3.960	344.494
	POINT 2	13+61.85	RT.	3.960	344.202
	POINT 3	13+61.85	RT.	18.830	343.904
	POINT 4	13+50.35	RT.	18.830	344.197
P513	POINT 1	13+62.35	RT.	3.960	344.189
	POINT 2	13+73.85	RT.	3.960	343.897
	POINT 3	13+73.85	RT.	18.830	343.600
	POINT 4	13+62.35	RT.	18.830	343.892
P514	POINT 1	13+74.35	RT.	3.960	343.884
	POINT 2	13+85.85	RT.	3.960	343.592
	POINT 3	13+85.85	RT.	18.830	343.295
	POINT 4	13+74.35	RT.	18.830	343.587
P515	POINT 1	13+86.35	RT.	3.960	343.580
	POINT 2	13+97.85	RT.	3.960	343.287
	POINT 3	13+97.85	RT.	18.830	342.990
	POINT 4	13+86.35	RT.	18.830	343.282
P516	POINT 1	13+98.35	RT.	3.960	343.275
	POINT 2	14+09.85	RT.	3.960	342.983
	POINT 3	14+09.85	RT.	18.830	342.685
	POINT 4	13+98.35	RT.	18.830	342.977
P517	POINT 1	14+10.35	RT.	3.960	342.970
	POINT 2	14+21.85	RT.	3.960	342.678
	POINT 3	14+21.85	RT.	18.830	342.380
	POINT 4	14+10.35	RT.	18.830	342.673
P518	POINT 1	14+22.35	RT.	3.960	342.665
	POINT 2	14+33.85	RT.	3.960	342.373
	POINT 3	14+33.85	RT.	18.830	342.076
	POINT 4	14+22.35	RT.	18.830	342.368

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P519	POINT 1	14+34.35	RT.	3.960	342.360
	POINT 2	14+45.85	RT.	3.960	342.068
	POINT 3	14+45.85	RT.	18.830	341.771
	POINT 4	14+34.35	RT.	18.830	342.063
P520	POINT 1	14+46.35	RT.	3.960	342.056
	POINT 2	14+57.85	RT.	3.960	341.763
	POINT 3	14+57.85	RT.	18.830	341.466
	POINT 4	14+46.35	RT.	18.830	341.758
P521	POINT 1	14+58.35	RT.	3.960	341.751
	POINT 2	14+69.85	RT.	3.960	341.459
	POINT 3	14+69.85	RT.	18.830	341.161
	POINT 4	14+58.35	RT.	18.830	341.453
P522	POINT 1	14+70.35	RT.	3.960	341.446
	POINT 2	14+81.85	RT.	3.960	341.154
	POINT 3	14+81.85	RT.	18.830	340.856
	POINT 4	14+70.35	RT.	18.830	341.149
P523	POINT 1	14+82.35	RT.	3.960	341.141
	POINT 2	14+93.85	RT.	3.960	340.849
	POINT 3	14+93.85	RT.	18.830	340.552
	POINT 4	14+82.35	RT.	18.830	340.844
P524	POINT 1	14+94.35	RT.	3.960	340.836
	POINT 2	15+05.85	RT.	3.960	340.544
	POINT 3	15+05.85	RT.	18.830	340.247
	POINT 4	14+94.35	RT.	18.830	340.539
P525	POINT 1	15+06.35	RT.	3.960	340.532
	POINT 2	15+17.85	RT.	3.960	340.239
	POINT 3	15+17.85	RT.	18.830	339.942
	POINT 4	15+06.35	RT.	18.830	340.234
P526	POINT 1	15+18.35	RT.	3.960	340.227
	POINT 2	15+29.85	RT.	3.960	339.935
	POINT 3	15+29.85	RT.	18.830	339.637
	POINT 4	15+18.35	RT.	18.830	339.929
P527	POINT 1	15+30.35	RT.	3.960	339.922
	POINT 2	15+41.85	RT.	3.960	339.630
	POINT 3	15+41.85	RT.	18.830	339.332
	POINT 4	15+30.35	RT.	18.830	339.625
P528	POINT 1	15+42.35	RT.	3.960	339.617
	POINT 2	15+53.85	RT.	3.960	339.325
	POINT 3	15+53.85	RT.	18.830	339.028
	POINT 4	15+42.35	RT.	18.830	339.320
P529	POINT 1	15+54.35	RT.	3.960	339.312
	POINT 2	15+62.06	RT.	3.960	339.116
	POINT 3	15+62.06	RT.	18.830	338.819
	POINT 4	15+54.35	RT.	18.830	339.015
P530	POINT 1	11+82.35	RT.	31.850	348.203
	POINT 2	11+93.85	RT.	27.630	347.996
	POINT 3	11+93.85	RT.	34.830	347.852
	POINT 4	11+82.35	RT.	34.830	348.144
P531	POINT 1	11+94.35	RT.	27.240	347.991
	POINT 2	12+05.85	RT.	23.020	347.783
	POINT 3	12+05.85	RT.	34.830	347.547
	POINT 4	11+94.35	RT.	34.830	347.839

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P532	POINT 1	12+06.35	RT.	22.640	347.778
	POINT 2	12+17.85	RT.	19.330	347.552
	POINT 3	12+17.85	RT.	34.830	347.242
	POINT 4	12+06.35	RT.	34.830	347.534
P533	POINT 1	12+18.35	RT.	19.330	347.539
	POINT 2	12+29.85	RT.	19.330	347.247
	POINT 3	12+29.85	RT.	34.830	346.937
	POINT 4	12+18.35	RT.	34.830	347.229
P534	POINT 1	12+30.35	RT.	19.330	347.235
	POINT 2	12+41.85	RT.	19.330	346.942
	POINT 3	12+41.85	RT.	34.830	346.632
	POINT 4	12+30.35	RT.	34.830	346.925
P535	POINT 1	12+42.35	RT.	19.330	346.930
	POINT 2	12+53.85	RT.	19.330	346.638
	POINT 3	12+53.85	RT.	34.830	346.328
	POINT 4	12+42.35	RT.	34.830	346.620
P536	POINT 1	12+54.35	RT.	19.330	346.625
	POINT 2	12+65.85	RT.	19.330	346.333
	POINT 3	12+65.85	RT.	34.830	346.023
	POINT 4	12+54.35	RT.	34.830	346.315
P537	POINT 1	12+66.35	RT.	19.330	346.320
	POINT 2	12+77.85	RT.	19.330	346.028
	POINT 3	12+77.85	RT.	34.830	345.718
	POINT 4	12+66.35	RT.	34.830	346.010
P538	POINT 1	12+78.35	RT.	19.330	346.015
	POINT 2	12+89.85	RT.	19.330	345.723
	POINT 3	12+89.85	RT.	34.830	345.413
	POINT 4	12+78.35	RT.	34.830	345.705
P539	POINT 1	12+90.35	RT.	19.330	345.711
	POINT 2	13+01.85	RT.	19.330	345.418
	POINT 3	13+01.85	RT.	34.830	345.108
	POINT 4	12+90.35	RT.	34.830	345.401
P540	POINT 1	13+02.35	RT.	19.330	345.406
	POINT 2	13+13.85	RT.	19.330	345.114
	POINT 3	13+13.85	RT.	34.830	344.804
	POINT 4	13+02.35	RT.	34.830	345.096
P541	POINT 1	13+14.35	RT.	19.330	345.101
	POINT 2	13+25.85	RT.	19.330	344.809
	POINT 3	13+25.85	RT.	34.830	344.499
	POINT 4	13+14.35	RT.	34.830	344.791
P542	POINT 1	13+26.35	RT.	19.330	344.796
	POINT 2	13+37.85	RT.	19.330	344.504
	POINT 3	13+37.85	RT.	34.830	344.194
	POINT 4	13+26.35	RT.	34.830	344.486
P543	POINT 1	13+38.35	RT.	19.330	344.491
	POINT 2	13+49.85	RT.	19.330	344.199
	POINT 3	13+49.85	RT.	34.830	343.889
	POINT 4	13+38.35	RT.	34.830	344.181
P544	POINT 1	13+50.35	RT.	19.330	344.187
	POINT 2	13+61.85	RT.	19.330	343.894
	POINT 3	13+61.85	RT.	34.830	343.584
	POINT 4	13+50.35	RT.	34.830	343.877
P545	POINT 1	13+62.35	RT.	19.330	343.882
	POINT 2	13+73.85	RT.	19.330	343.590
	POINT 3	13+73.85	RT.	34.830	343.280
	POINT 4	13+62.35	RT.	34.830	343.572

CONCRETE PANEL SET POINT ELEVATION 4 & 5					
PANEL NUMBER	LOCATION	STATION	OFFSET LT./RT.	OFFSET	TOP OF DECK EL.
P546	POINT 1	13+74.35	RT.	19.330	343.577
	POINT 2	13+85.85	RT.	19.330	343.285
	POINT 3	13+85.85	RT.	34.830	342.975
	POINT 4	13+74.35	RT.	34.830	343.267
P547	POINT 1	13+86.35	RT.	19.330	343.272
	POINT 2	13+97.85	RT.	19.330	342.980
	POINT 3	13+97.85	RT.	34.830	342.670
	POINT 4	13+86.35	RT.	34.830	342.962
P548	POINT 1	13+98.35	RT.	19.330	342.967
	POINT 2	14+09.85	RT.	19.330	342.675
	POINT 3	14+09.85	RT.	34.830	342.365
	POINT 4	13+98.35	RT.	34.830	342.657
P549	POINT 1	14+10.35	RT.	19.330	342.663
	POINT 2	14+21.85	RT.	19.330	342.370
	POINT 3	14+21.85	RT.	34.830	342.060
	POINT 4	14+10.35	RT.	34.830	342.353
P550	POINT 1	14+22.35	RT.	19.330	342.358
	POINT 2	14+33.85	RT.	19.330	342.066
	POINT 3	14+33.85	RT.	34.830	341.756
	POINT 4	14+22.35	RT.	34.830	342.048
P551	POINT 1	14+34.35	RT.	19.330	342.053
	POINT 2	14+45.85	RT.	19.330	341.761
	POINT 3	14+45.85	RT.	34.830	341.451
	POINT 4	14+34.35	RT.	34.830	341.743
P552	POINT 1	14+46.35	RT.	19.330	341.748
	POINT 2	14+57.85	RT.	19.330	341.456
	POINT 3	14+57.85	RT.	34.830	341.146
	POINT 4	14+46.35	RT.	34.830	341.438
P553	POINT 1	14+58.35	RT.	19.330	341.443
	POINT 2	14+69.85	RT.	19.330	341.151
	POINT 3	14+69.85	RT.	34.830	340.841
	POINT 4	14+58.35	RT.	34.830	341.133
P554	POINT 1	14+70.35	RT.	19.330	341.139
	POINT 2	14+81.85	RT.	19.330	340.846
	POINT 3	14+81.85	RT.	34.830	340.536
	POINT 4	14+70.35	RT.	34.830	340.829
P555	POINT 1	14+82.35	RT.	19.330	340.834
	POINT 2	14+93.85	RT.	19.330	340.542
	POINT 3	14+93.85	RT.	34.830	340.232
	POINT 4	14+82.35	RT.	34.830	340.524
P556	POINT 1	14+94.35	RT.	19.330	340.529
	POINT 2	15+05.85	RT.	19.330	340.237
	POINT 3	15+05.85	RT.	34.830	339.927
	POINT 4	14+94.35	RT.	34.830	3

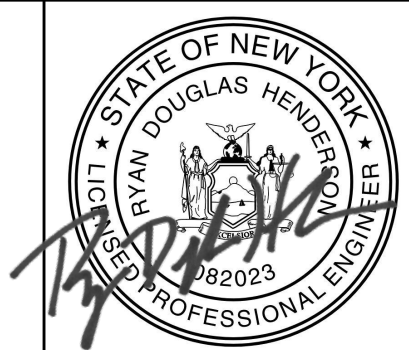
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 DESIGN T. BENINATI
 CHECK R. HENDERSON
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 R. HENDERSON



SOUTHBOUND END ABUTMENT JOINT REMOVAL PLAN

BIN 5040109 MP 29.54

ALTERED BY: ON:
AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



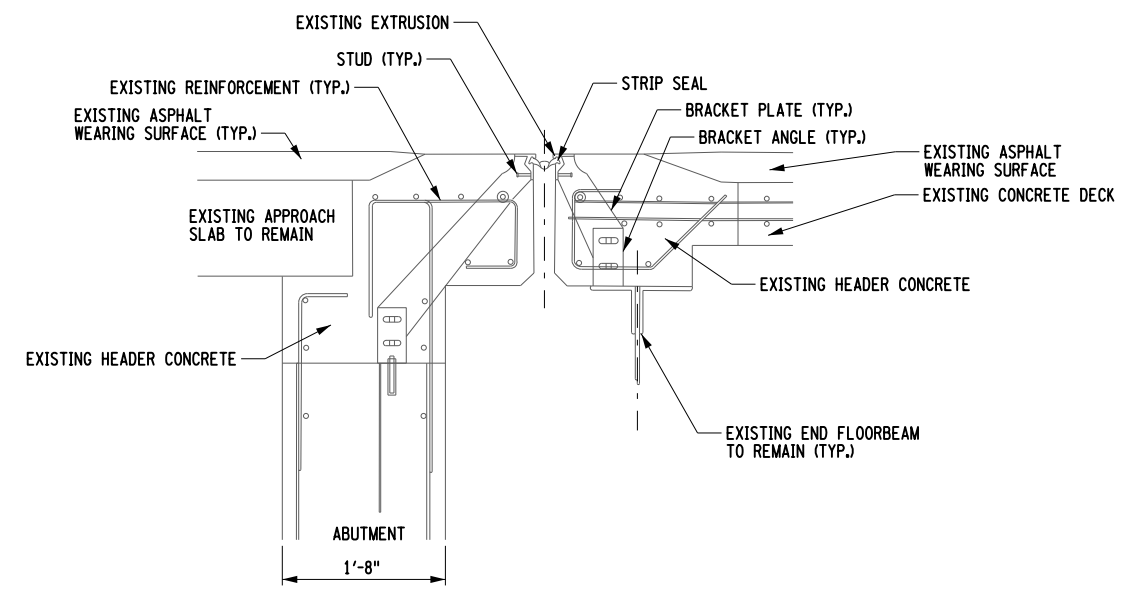
- NOTES**
1. SAWCUT DEPTH THROUGH EXISTING CONCRETE HEADER SHOWN IN SECTION A-A ON ST2-26.
 2. REMOVE ALL COMPONENTS OF EXISTING ARMORED JOINT AS SHOWN HEREIN. INCLUDE ALL COSTS UNDER ITEM 567.61000025.
 3. SEE DWG. ST2-27 FOR NEW JOINT DETAILS
 4. SEE DWG. ST2-34 FOR EXISTING BARRIER REMOVAL AND REPLACEMENT

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

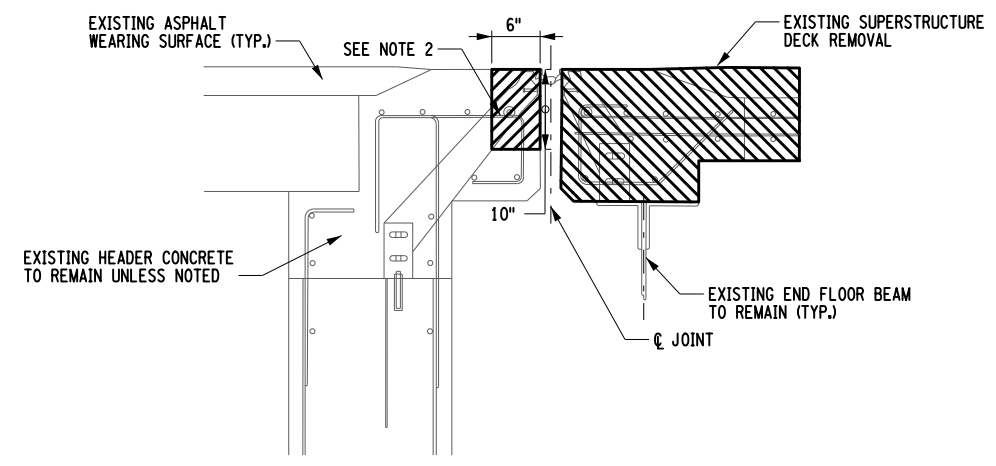
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



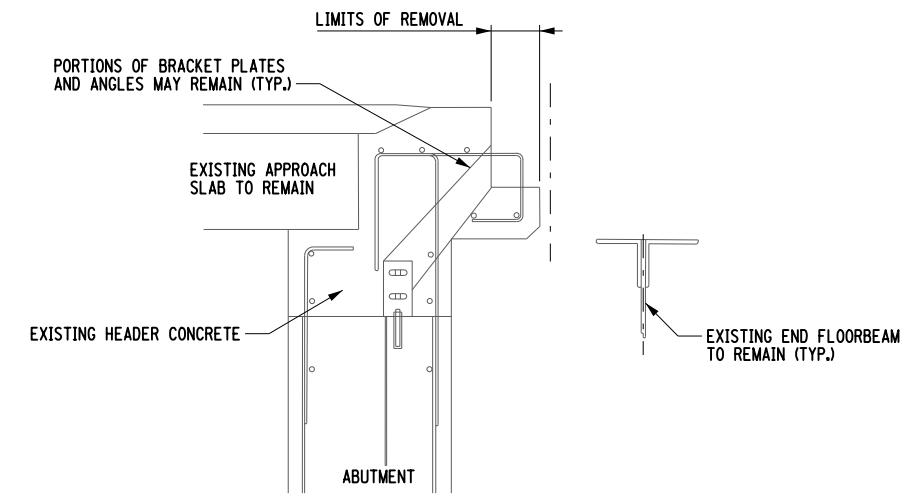
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING ARMORLESS JOINT DETAILS (1 OF 3)	DRAWING NUMBER: ST2-25



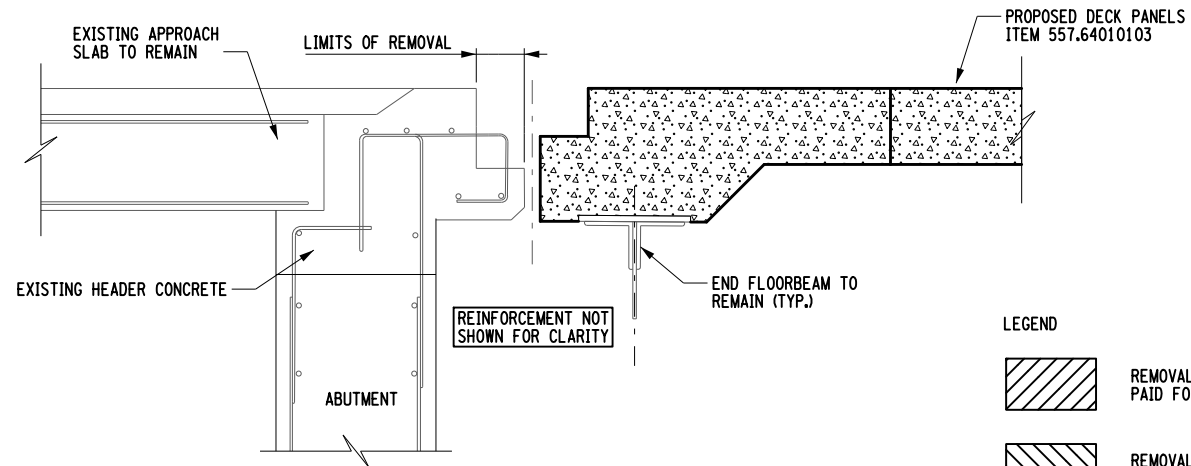
SECTION A-A THRU EXISTING JOINT
NOT TO SCALE



SECTION A-A JOINT REMOVAL LIMITS
NOT TO SCALE





SECTION A-A PRIOR TO DECK PLACEMENT
NOT TO SCALE



SECTION A-A READY FOR JOINT INSTALLATION
NOT TO SCALE

LEGEND


-  REMOVAL OF EXISTING JOINT SYSTEM PAID FOR UNDER ITEM 567.61000025
-  REMOVAL OF EXISTING CONCRETE DECK PAID FOR UNDER ITEM 202.2302

NOTES:

1. REMOVE ALL COMPONENTS OF EXISTING JOINT WITHIN LIMITS SHOWN, INCLUDE ALL COSTS UNDER ITEM 567.61000025.
2. ALL LONGITUDINAL AND HOOKED DECK SLAB REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. INCLUDE ALL COSTS UNDER ITEM 567.61000025.
3. FOR NEW JOINT DETAILS SEE DWGS. ST2-27.
4. SEE DWG. ST2-25 FOR LOCATION OF SECTION A-A



BIN 5040109 MP 29.54

FILE NAME = R. HENDERSON
 DESIGN SUPERVISOR
 DATE/TIME = 15-MAY-2024 2:13
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 R. HENDERSON
 DRAFTING
 R. DAUGHER
 CHECK
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 USER = jmtpe11-pr-svc

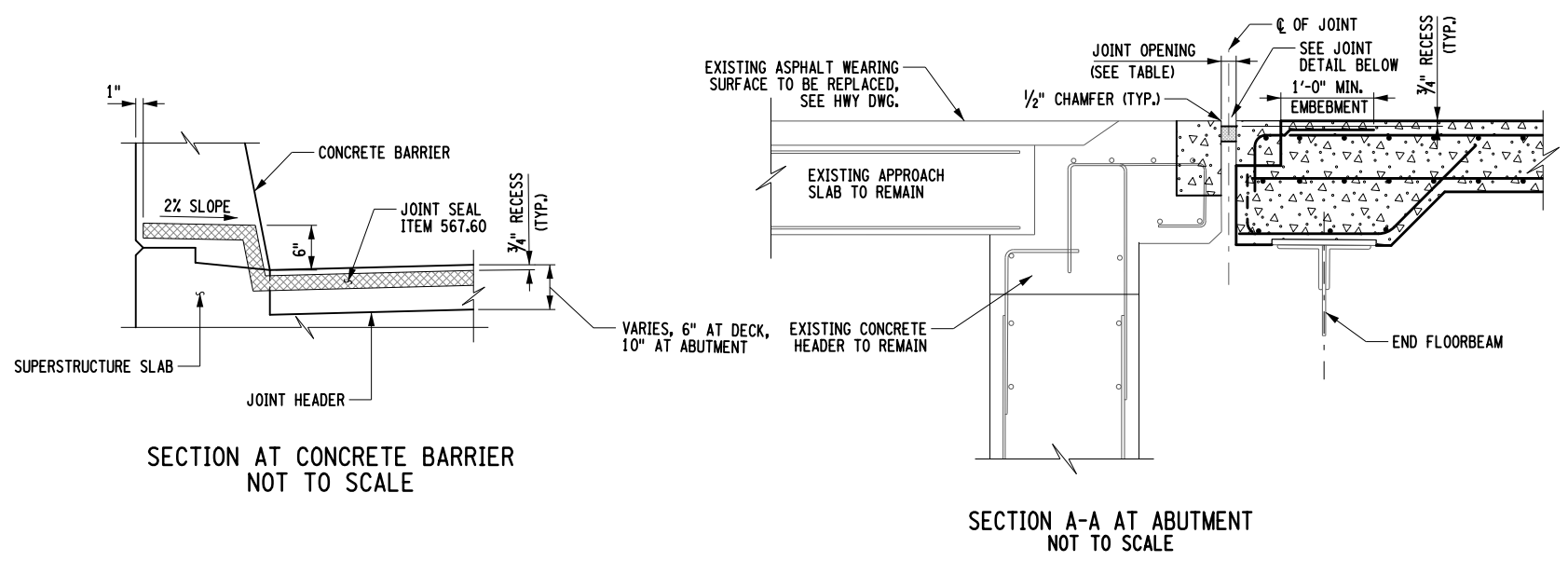
ALTERED BY: ON:	AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024
	

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

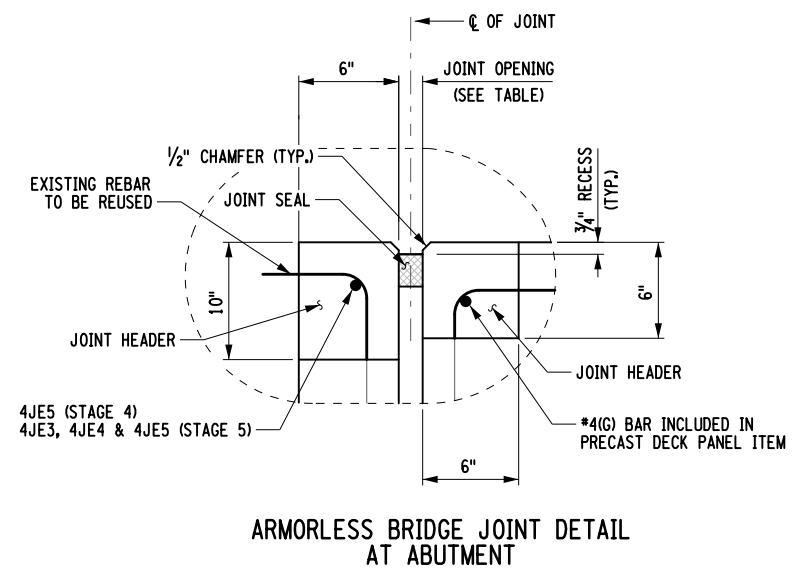
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		TITLE OF DRAWING ARMORLESS JOINT DETAILS (2 OF 3)	

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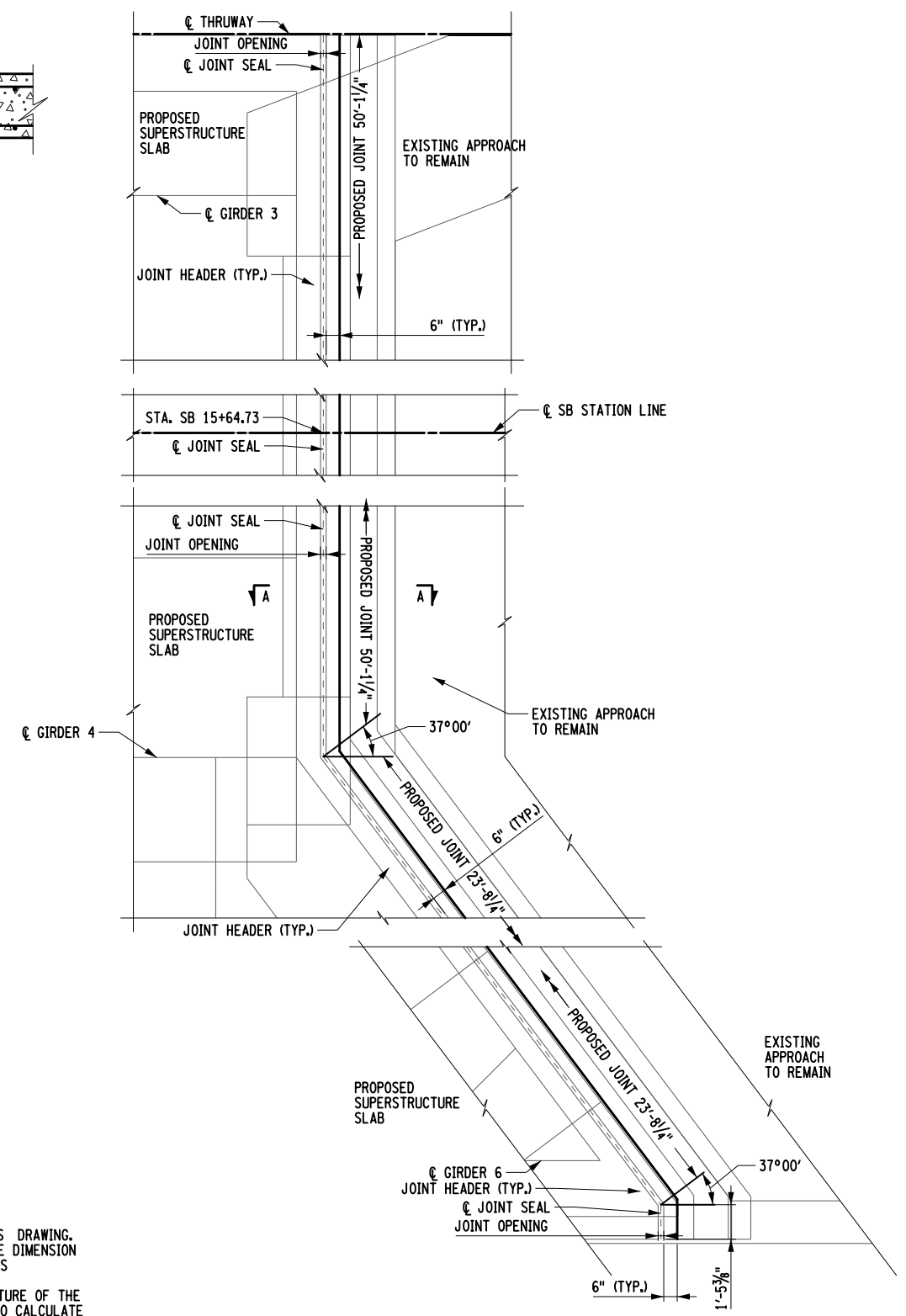
EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 5/8
35	2 5/8
40	2 1/2
45	2 1/2
50	2 3/8
55	2 3/8
60	2 1/4
65	2 1/4
70	2 1/8
75	2 1/8
80	2
85	2
90	1 7/8
95	1 7/8
100	1 3/4
105	1 3/4
110	1 5/8

NOTES:
 MIN. OPENING (IN.) = 1.625
 MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 3.25
 TOTAL MOVEMENT (IN.) = 1.625



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 MANUFACTURES 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.
5. SEE DWG. ST2-34 FOR EXISTING BARRIER REMOVAL AND REPLACEMENT.
6. PROTECTIVE SEALING TO BE PLACED ON EXPOSED HEADER POUR CONCRETE, ITEM 559.01



ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024

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.

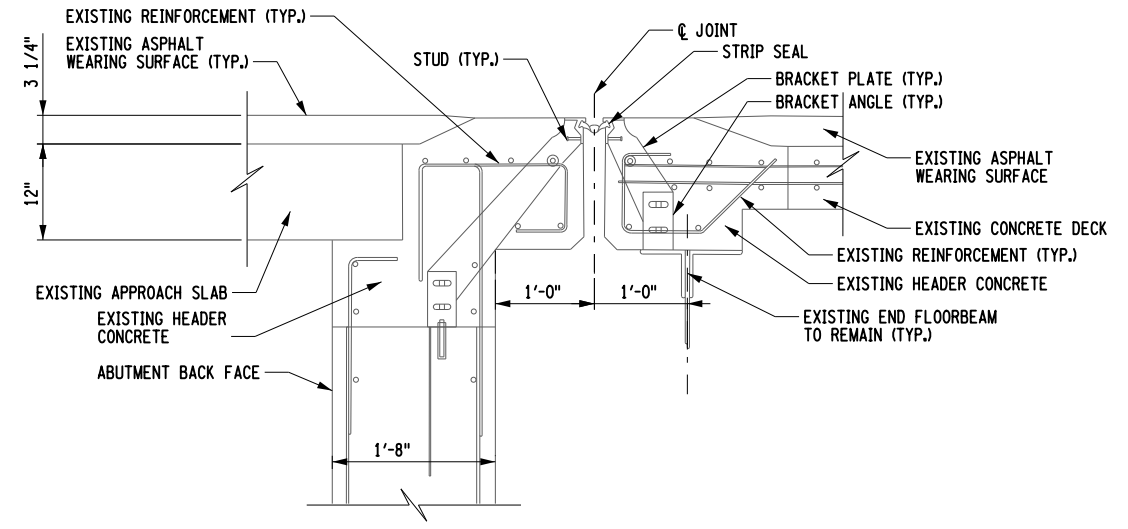
NEW YORK STATE OF OPPORTUNITY | Thruway Authority

JMT

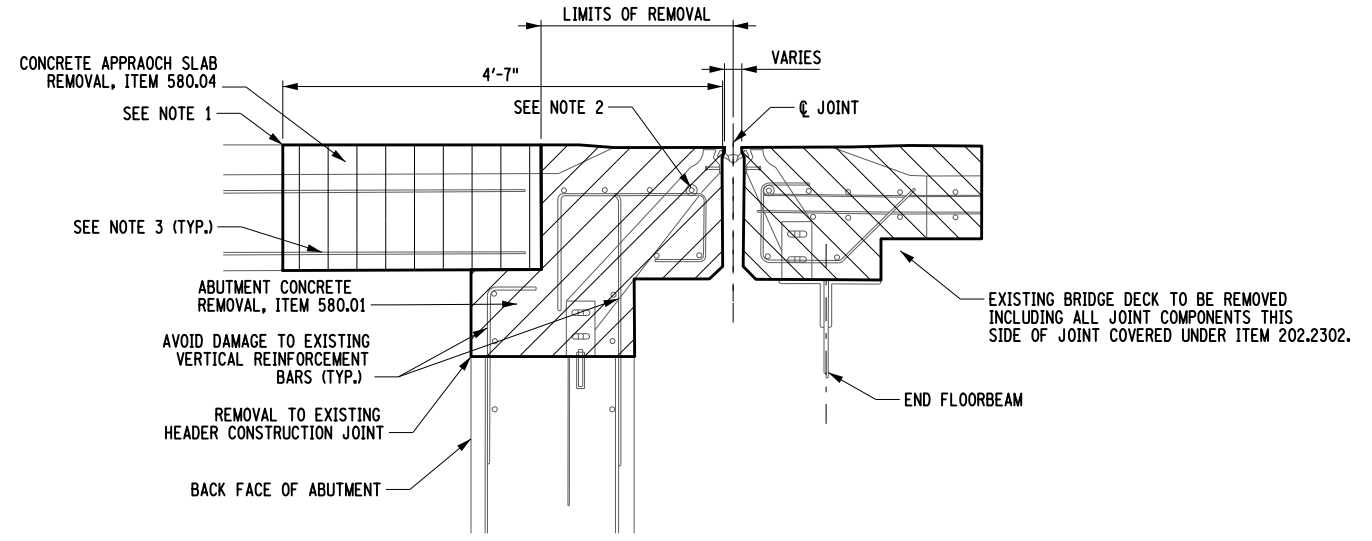
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 LOCATION OF PROJECT: NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41
 TITLE OF DRAWING: ARMORLESS JOINT DETAILS (3 OF 3)

CONTRACT NUMBER: TANY 24-26B
 DATE: 05/15/2024
 DRAWING NUMBER: ST2-27

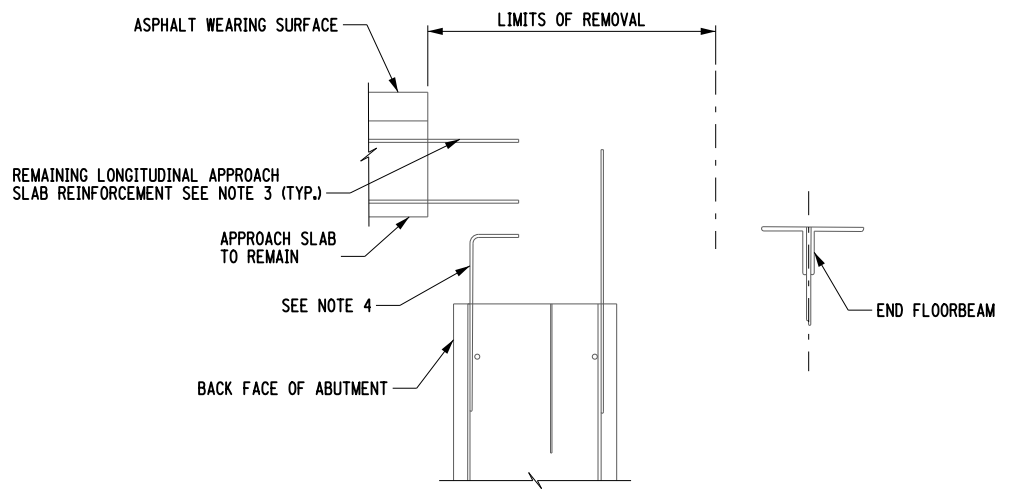
BIN 5040109 MP 29.54



SECTION A-A THRU EXISTING JOINT
SCALE: NOT TO SCALE



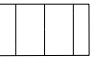


SECTION A-A JOINT REMOVAL LIMITS
SCALE: NOT TO SCALE



SECTION A-A READY FOR JOINT INSTALLATION
SCALE: NOT TO SCALE

LEGEND


-  REMOVAL OF EXISTING JOINT PAID FOR UNDER ITEM 567.61000025 (SEE NOTE 6)
-  REMOVAL OF EXISTING CONCRETE DECK PAID FOR UNDER ITEM 202.2302
-  REMOVAL OF STRUCTURAL APPROACH SLAB PAID FOR UNDER ITEM 580.04

NOTES:

1. 4 1/4" SAWCUT DEPTH THROUGH ASPHALT WEARING SURFACE INTO APPROACH SLAB (1" DEPTH MIN. INTO CONCRETE). EXISTING REINFORCING BARS IN APPROACH SLABS SHALL NOT BE DAMAGED. INCLUDE ALL COSTS IN ITEM 567.61000025.
2. REMOVE ALL COMPONENTS OF EXISTING JOINT AS SHOWN HEREIN. INCLUDE ALL COSTS UNDER ITEM 567.61000025, LENGTH OF MEASUREMENT FOR PAYMENT IS LIMITED TO CONCRETE DIMENSIONS ONLY.
3. ALL LONGITUDINAL APPROACH SLAB REINFORCEMENT SHALL BE PRESERVED AND CLEANED FOR REUSE IN ACCORDANCE WITH SECTION 584-3.02A. INCLUDE ALL COSTS UNDER ITEM 567.61000025.
4. VERTICAL ABUTMENT REINFORCEMENT EXTENDING FROM BACK WALL SHALL REMAIN.
5. SEE DWG. ST2-30 FOR ONE CELL AND DWG. ST2-31 FOR TWO CELL MODULAR JOINT DETAILS.
6. EXCAVATION REQUIRED FOR REMOVAL OF THE EXISTING HEADER POUR AND PLACEMENT OF SUBBASE MATERIAL UNDER NEW APPROACH SLAB IS INCLUDED IN THE JOINT REMOVAL ITEM, 567.61000025.
7. SEE DWG. ST2-30 AND ST2-31 FOR LOCATIONS AND TRANSVERSE LIMITS OF APPROACH SLABS.



BIN 5040109 MP 29.54

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 CHECK: R. HENDERSON
 R. HENDERSON

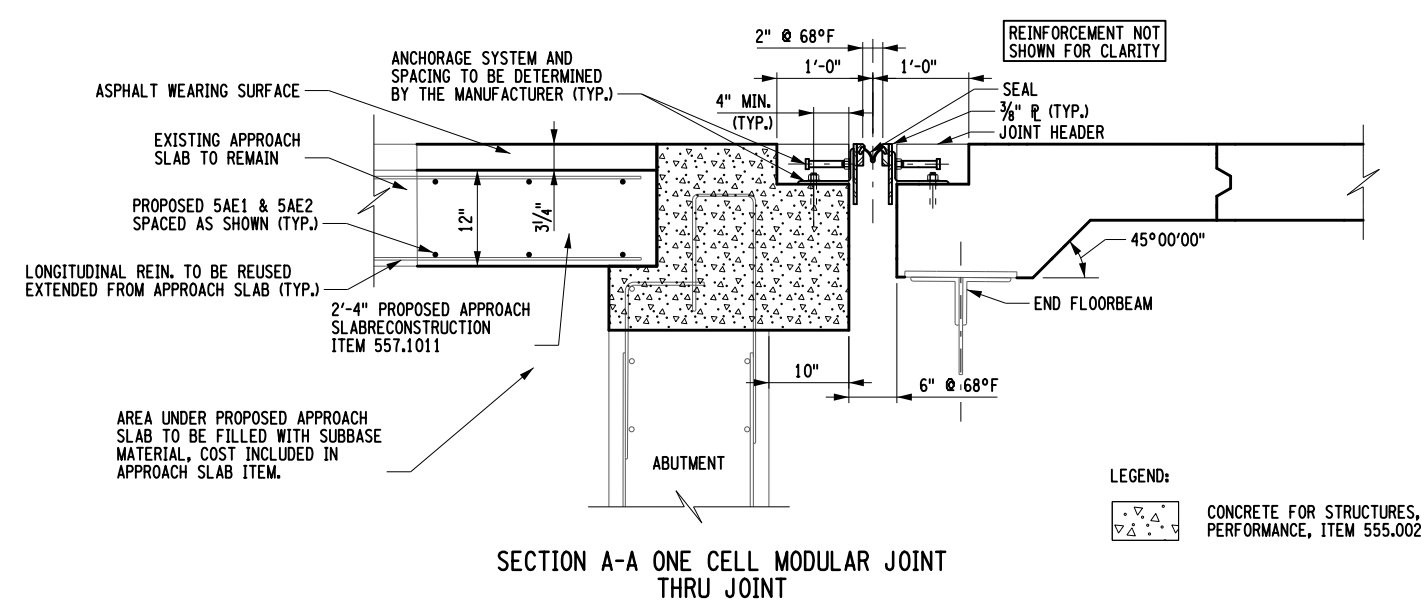
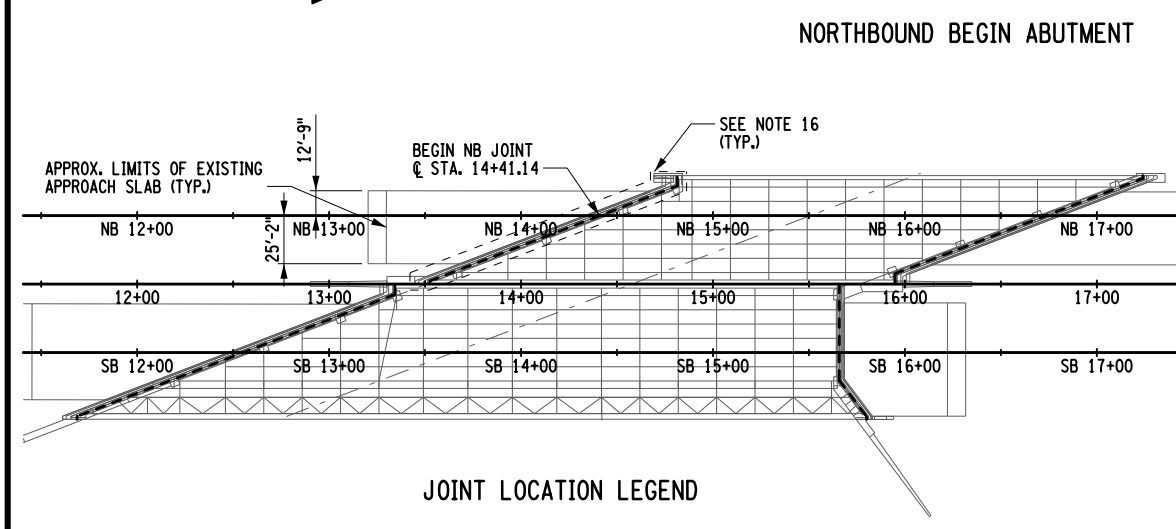
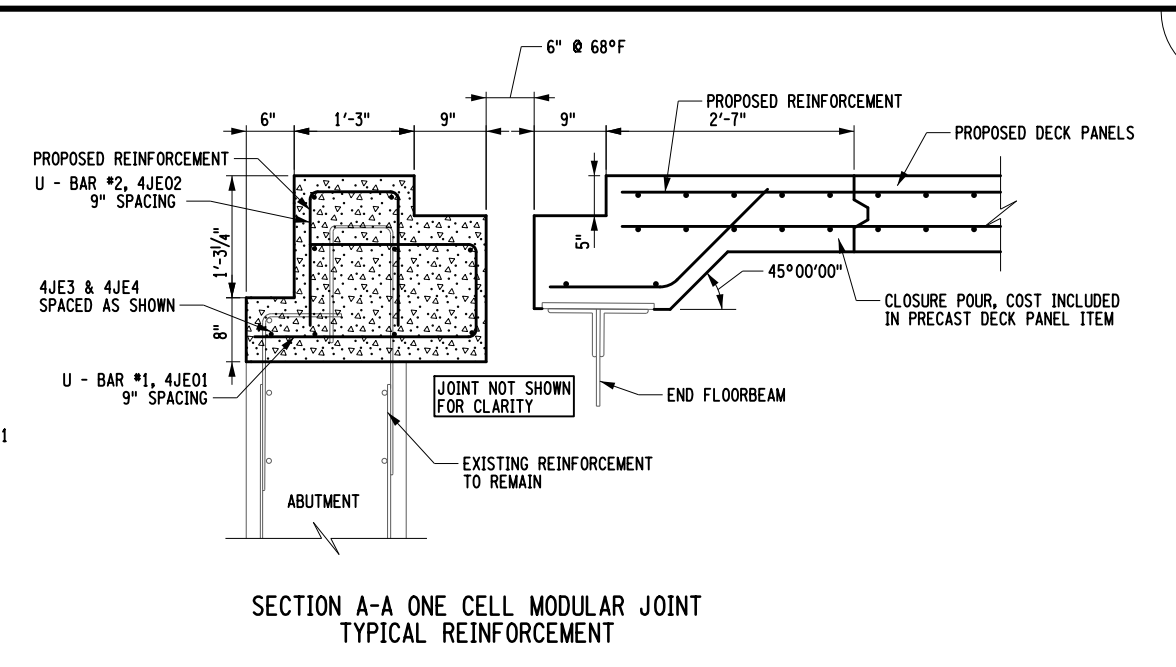
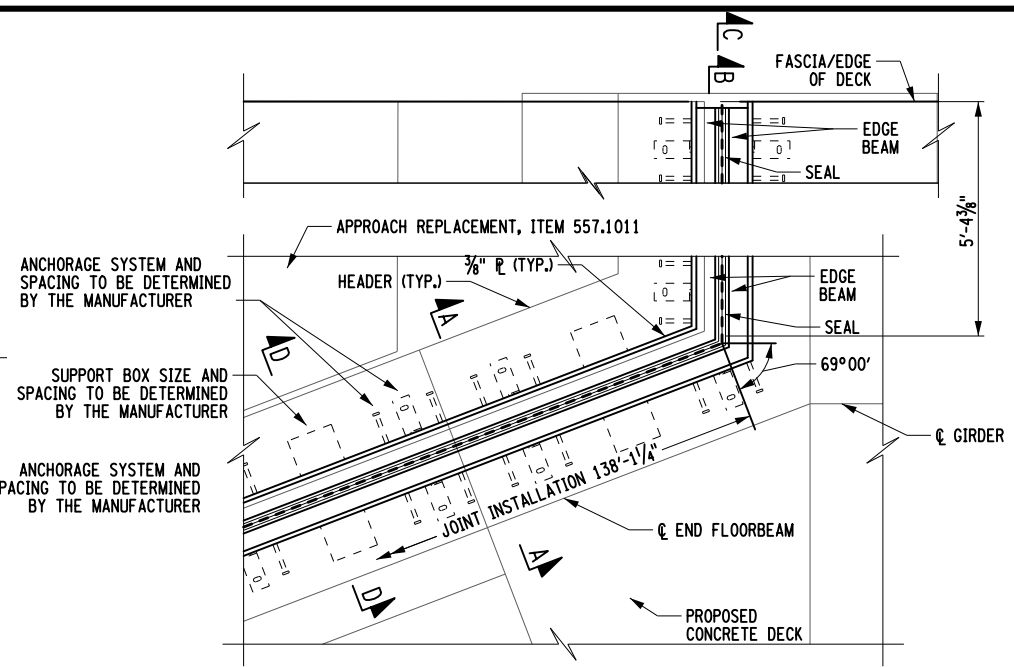
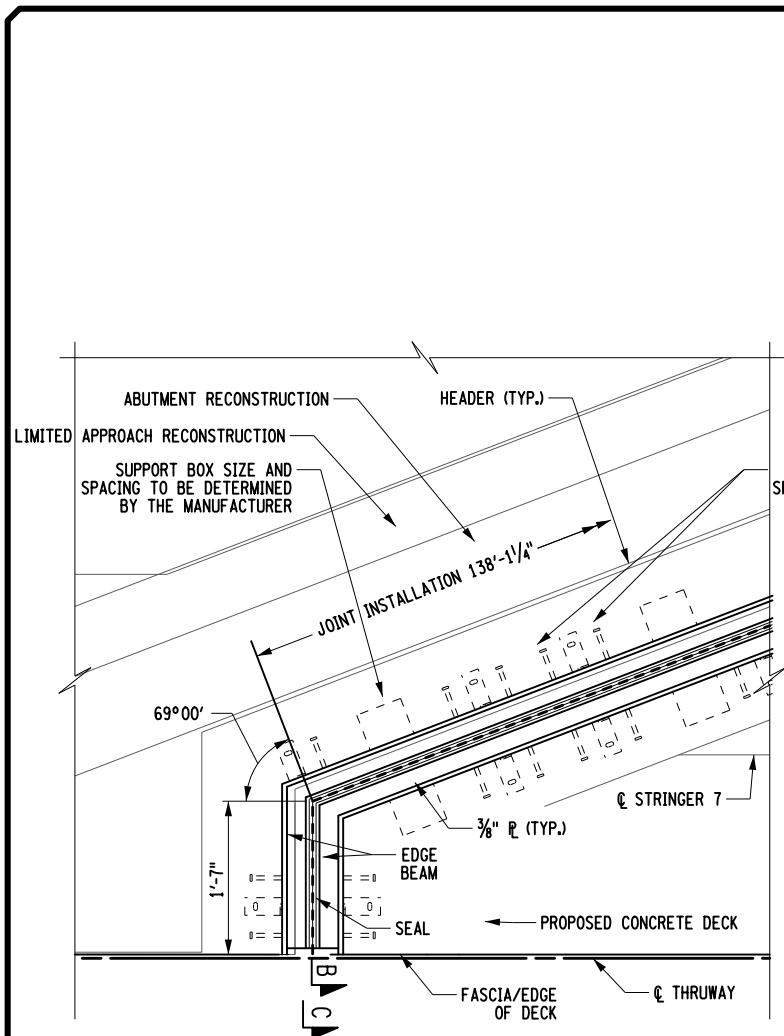
ALTERED BY: ON:	AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024
	

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
	LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
	TITLE OF DRAWING MODULAR JOINT REMOVAL DETAILS (2 OF 2)	DRAWING NUMBER: ST2-29

FILE NAME = DATE/TIME = 15-MAY-2024 2:42 DESIGN SUPERVISOR R. HENDERSON T. BENINATI R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON R. HENDERSON CHECK R. HENDERSON



NOTES:

- PREPARE EXISTING SURFACES IN ACCORDANCE WITH STANDARD SPECIFICATION 566-3.03.
- THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI PRIOR TO OPENING TO TRAFFIC. CURING TIME NEED NOT EXCEED 7 DAYS.
- THERE IS NOT SUFFICIENT DEPTH OF SLAB OUTSIDE OF THE FASCIA GIRDERS TO ACCOMMODATE A SUPPORT BOX. THE JOINT MANUFACTURER SHALL SUPPLY AN ALTERNATIVE SUPPORT MECHANISM THAT SHALL REQUIRE NO MORE THAN A 5" DEEP BLOCKOUT IN THE OVERHANG REGIONS.
- 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.
- 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.
- THE SUPPLIER OF THE JOINT SYSTEM MUST BE ON THE NYSDOT APPROVED LIST.
- 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 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.
- CUT TRANSVERSE OR LONGITUDINAL REBAR IN FIELD AS REQUIRED TO CLEAR JOINT SUPPORT BOXES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE FINAL FIELD DIMENSIONS SHOWN ARE ADEQUATE FOR THE JOINT PROVIDED.
- THE MODULAR EXPANSION JOINT SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, AND THE ADVICE OF THEIR OFFICIAL REPRESENTATIVE. THE INSTALLED JOINT SYSTEM SHALL MATCH EXACTLY THE FINISHED ROADWAY PROFILE AND GRADES.
- AFTER THE MODULAR JOINT SYSTEM HAS BEEN SET TO ITS FINAL LINE AND GRADE, THE CONCRETE CAN BE PLACED.
- THE COST OF ALL WORK AND MATERIALS FOR THE JOINT SYSTEM INCLUDING FIELD DRILLING, FIELD WELDING, SUPPORT BRACKETS, ADHESIVE ANCHOR STUDS, ETC. SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 566.01 & 566.02.
- FOR SECTIONS B-B, C-C AND D-D SEE DWG. ST2-33.
- THE NEW JOINT EXPANSION ASSEMBLIES SHALL BE FACTORY ASSEMBLED AND PRESET TO THE DIMENSION SHOWN IN THE PLANS @ 68°F.
- FOR PAYMENT PURPOSES, THE LENGTH OF JOINT PAID FOR WILL BE THE NUMBER OF LINEAR FEET OF JOINT SYSTEM COMPLETELY INSTALLED, MEASURED HORIZONTALLY ALONG THE CENTERLINE OF THE JOINT SYSTEM BETWEEN THE OUTER LIMITS OF THE BRIDGE FASCIA.
- AREAS DISTURBED OUTSIDE OF APPROACH SLAB LIMITS TO BE RECONSTRUCTED WITH FULL DEPTH SHOULDER SECTION AS USED FOR RECONSTRUCTION DURING STAGE 1.
- PROTECTIVE SEALING TO BE PLACED ON EXPOSED HEADER POUR CONCRETE, ITEM 559.01

BIN 5040109 MP 29.54

ALTERED BY:
ON:

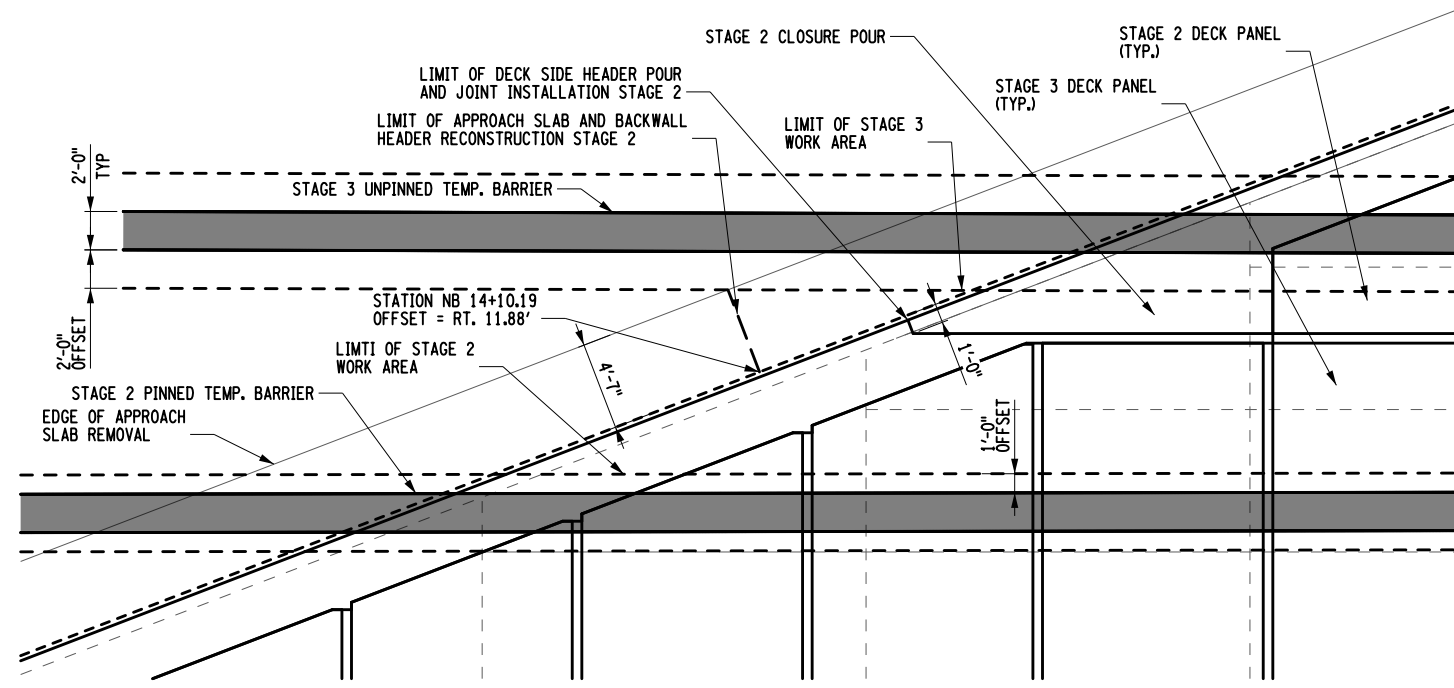
AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

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

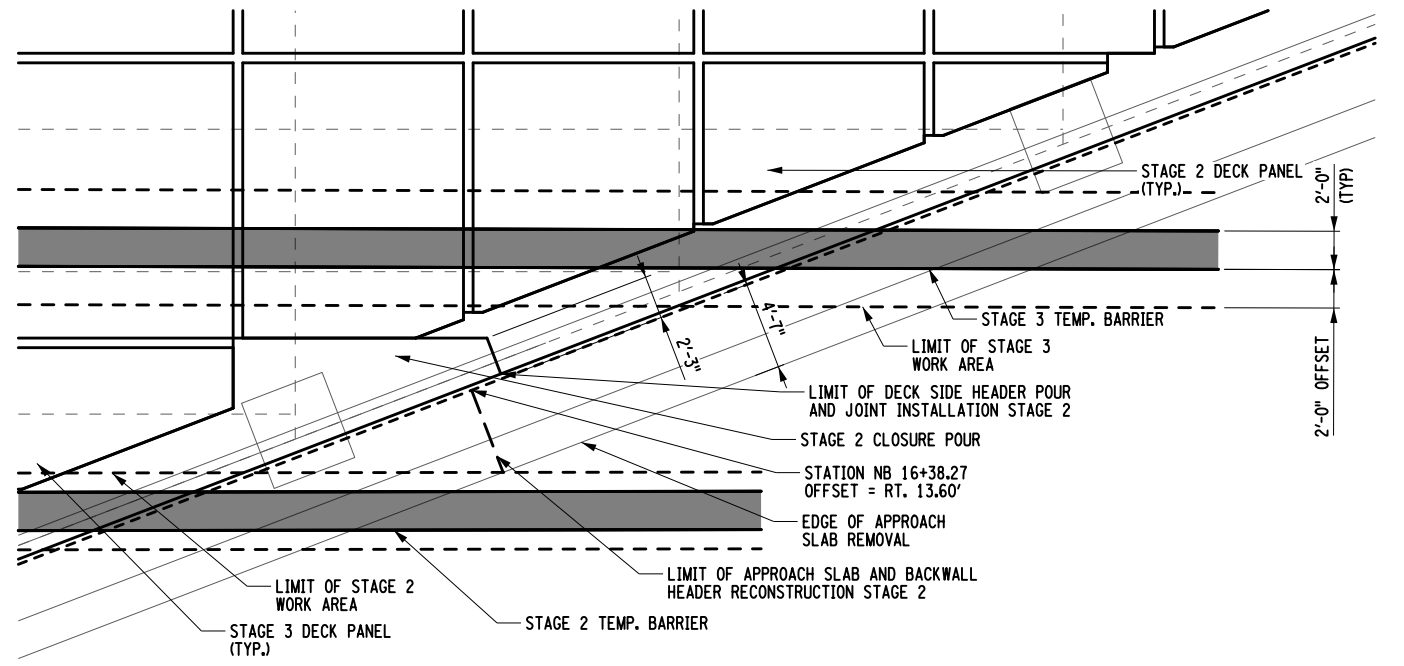
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



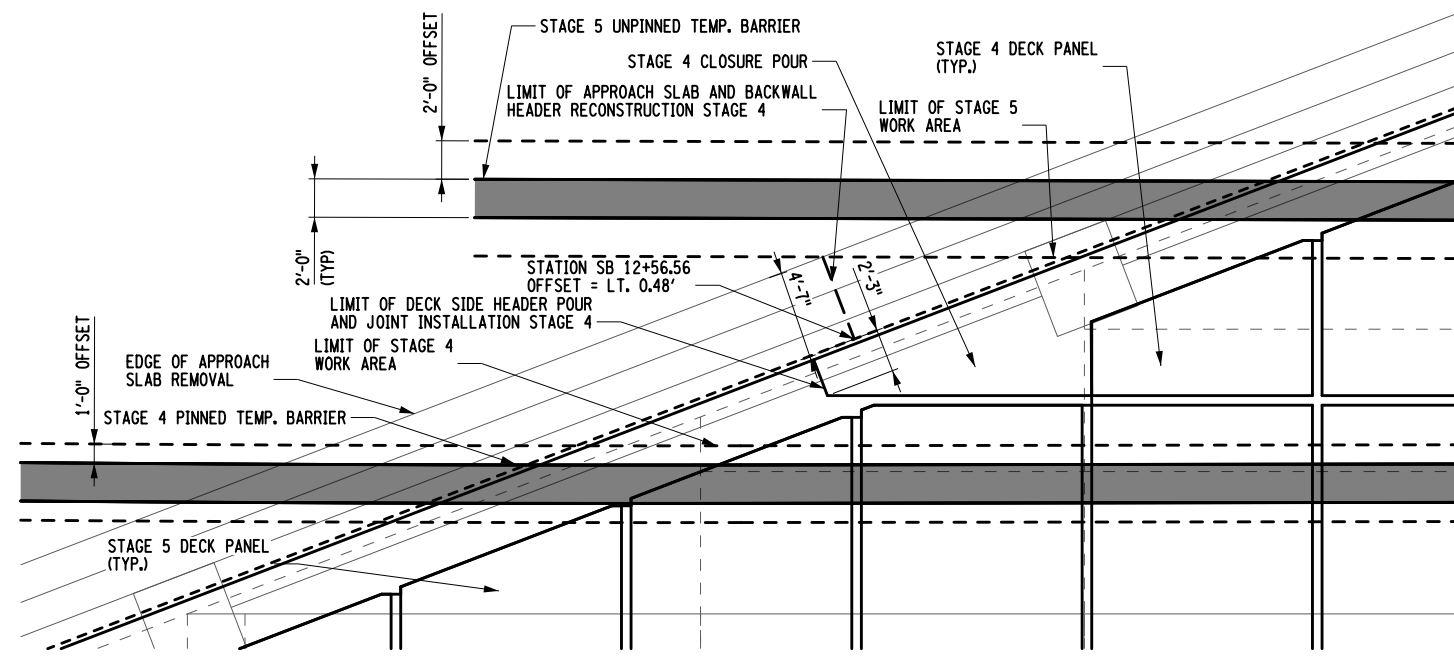
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING ONE CELL MODULAR JOINT DETAILS	DRAWING NUMBER: ST2-30



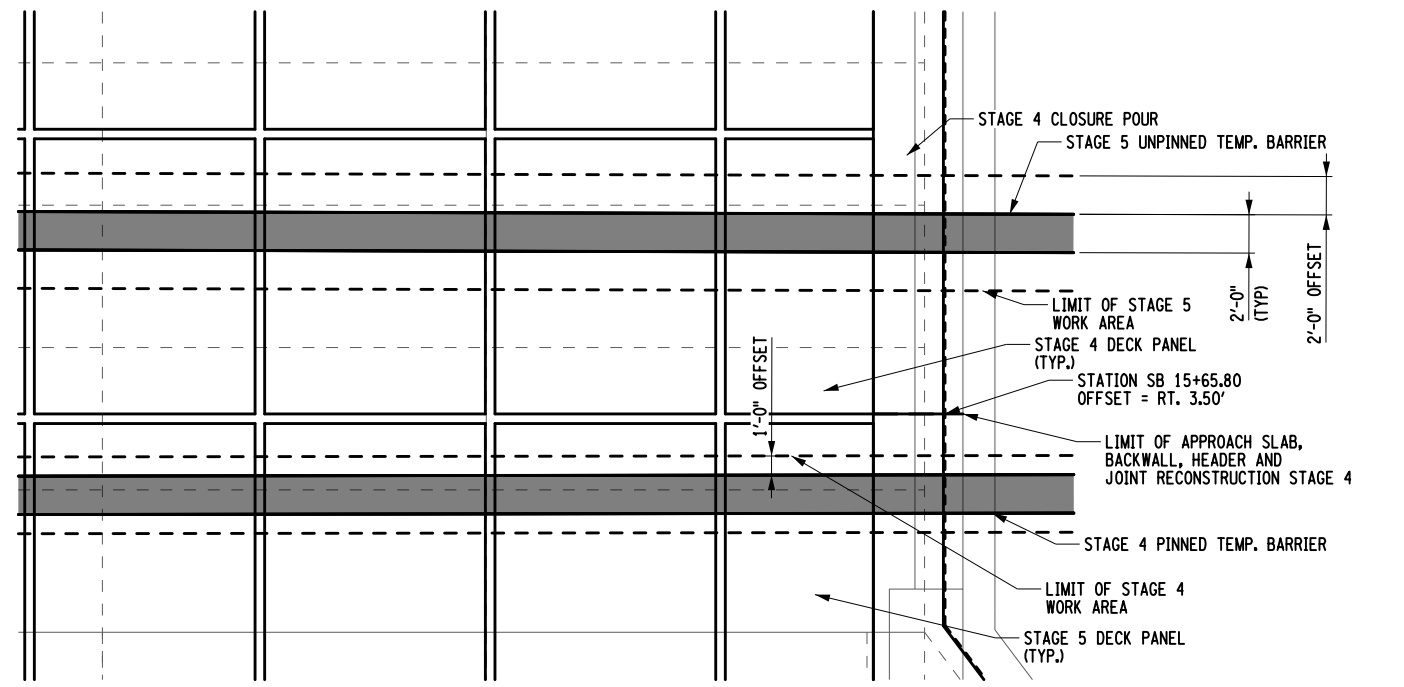
STAGE 2-3 BEGIN ABUTMENT



STAGE 2-3 END ABUTMENT

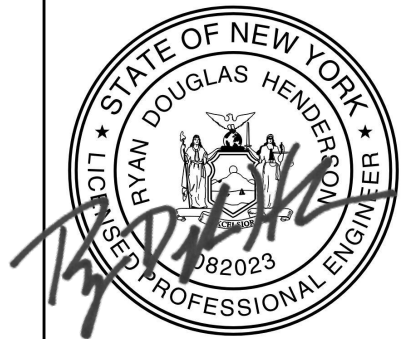


STAGE 4-5 BEGIN ABUTMENT



STAGE 4-5 END ABUTMENT

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

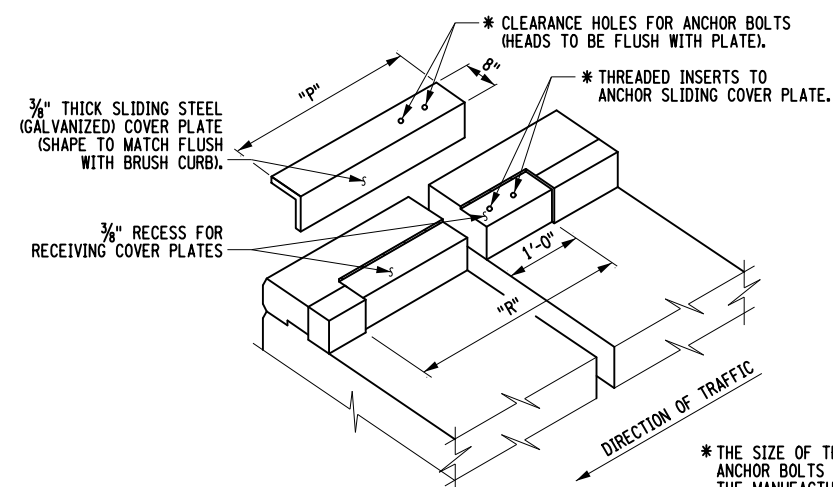
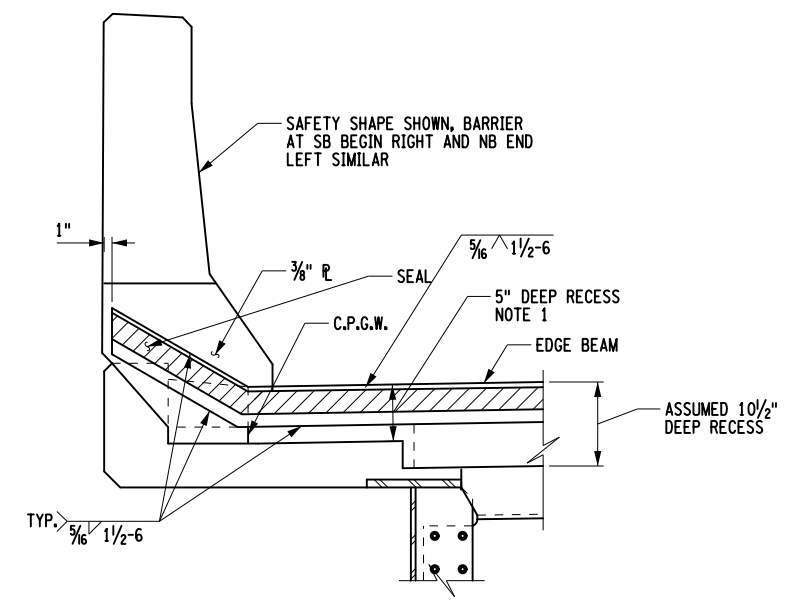
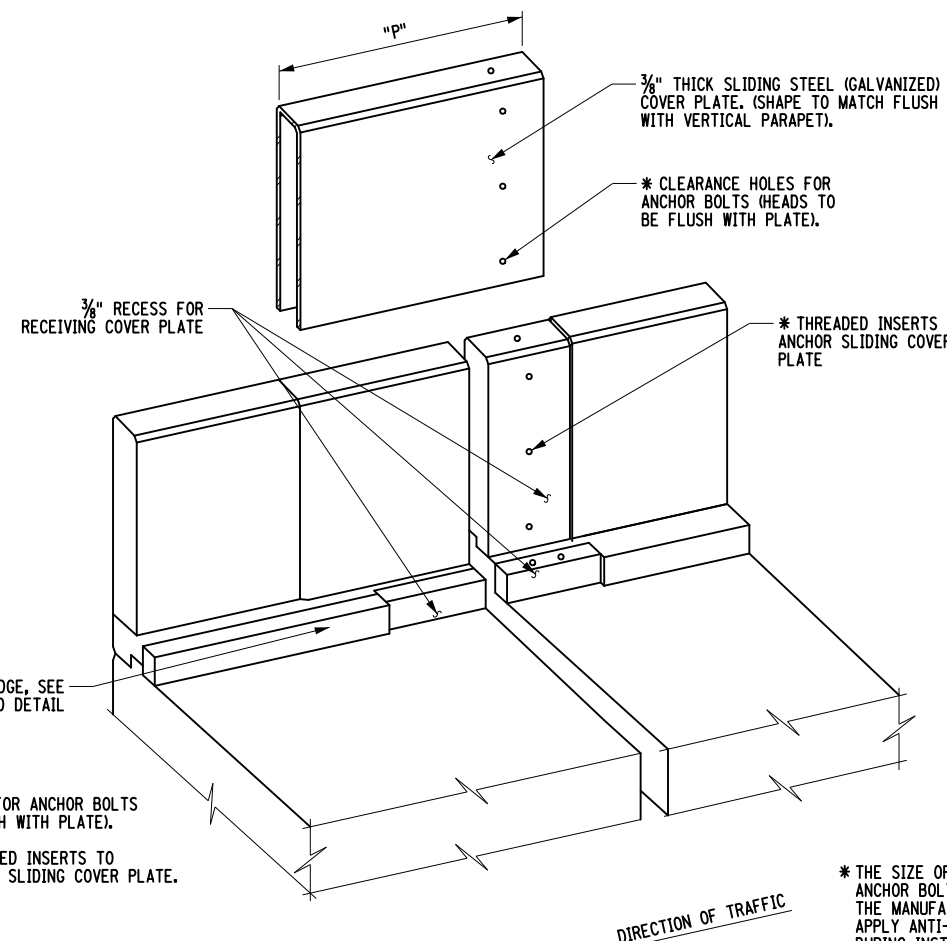
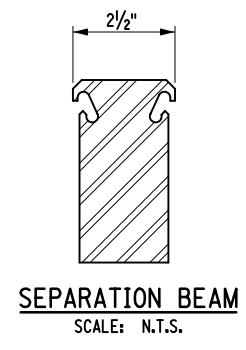
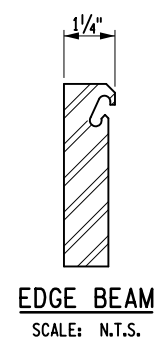
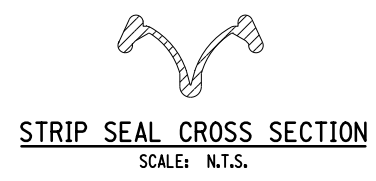
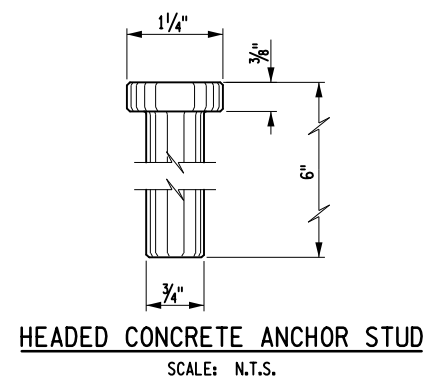


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING STAGED CONSTRUCTION JOINT DETAILS	DRAWING NUMBER: ST2-32

BIN 5040109 MP 29.54

FILE NAME = DATE/TIME = 15-MAY-2024 2:13 DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUCHER CHECK R. HENDERSON DESIGN SUPERVISOR R. HENDERSON

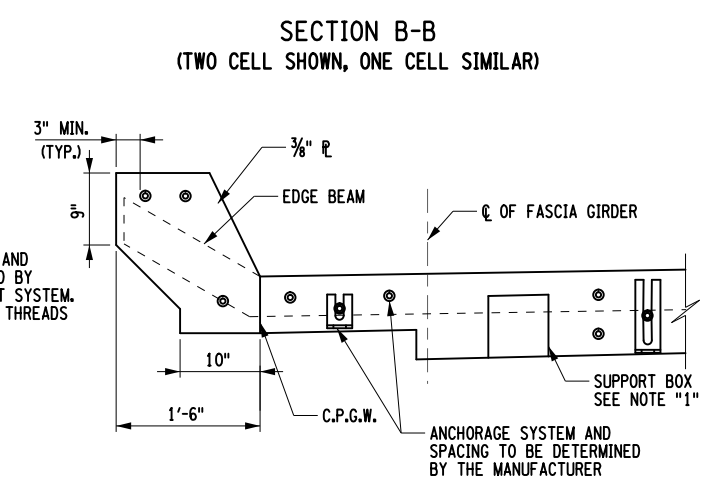
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 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 R. HENDERSON
 R. HENDERSON



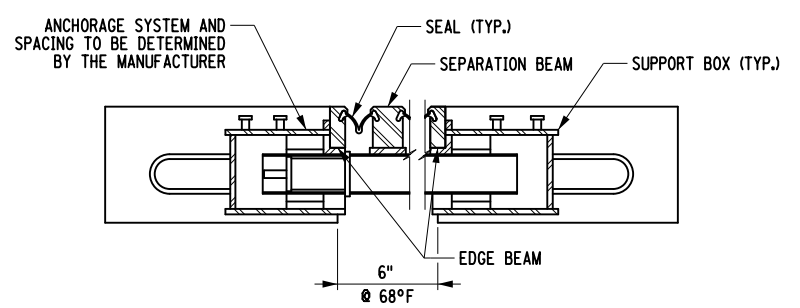
COVER PLATE DETAIL FOR SINGLE SLOPE BARRIER TRANSITION
SINGLE SLOPE TRANSITION SHOWN, SAFETY SHAPE SIMILAR

COVER PLATE TABLE		
JOINT TYPE	P	R
ARMORLESS / ONE - CELL	1'-10"	2'-2"
MULTI - CELL	3'-4 3/4"	3'-7 1/4"

* THE SIZE OF THREADED INSERTS AND ANCHOR BOLTS TO BE DETERMINED BY THE MANUFACTURER OF THE JOINT SYSTEM. APPLY ANTI-SEIZE LUBRICANT TO THREADS DURING INSTALLATION.

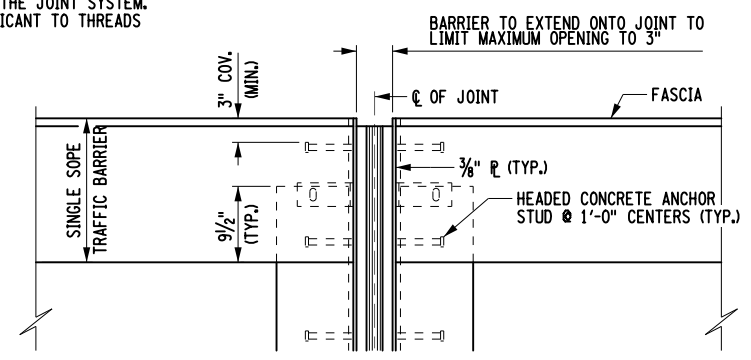


SECTION C-C



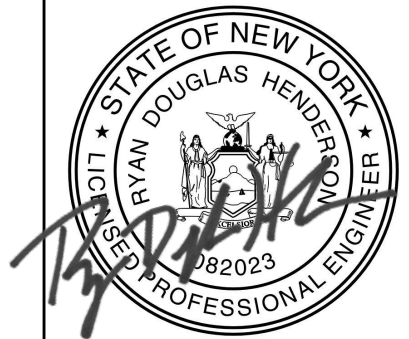
SECTION D-D
HEADER ONLY SHOWN FOR CLARITY (TWO CELL ONLY)

- NOTES:**
- THERE IS NOT SUFFICIENT DEPTH OF SLAB OUTSIDE OF THE FASCIA GIRDERS TO ACCOMMODATE A SUPPORT BOX. THE JOINT MANUFACTURER SHALL SUPPLY AN ALTERNATIVE SUPPORT MECHANISM THAT SHALL REQUIRE NO MORE THAN A 5" DEEP BLOCKOUT IN THE OVERHANG REGIONS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE DIMENSIONS SHOWN ARE ADEQUATE FOR THE JOINT PROVIDED.
 - FOR SECTION LOCATIONS SEE DWGS. ST2-30 AND ST2-31.



EDGE DETAIL FOR CONCRETE BARRIER
(ONE CELL SHOWN, TWO CELL SIMILAR)

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



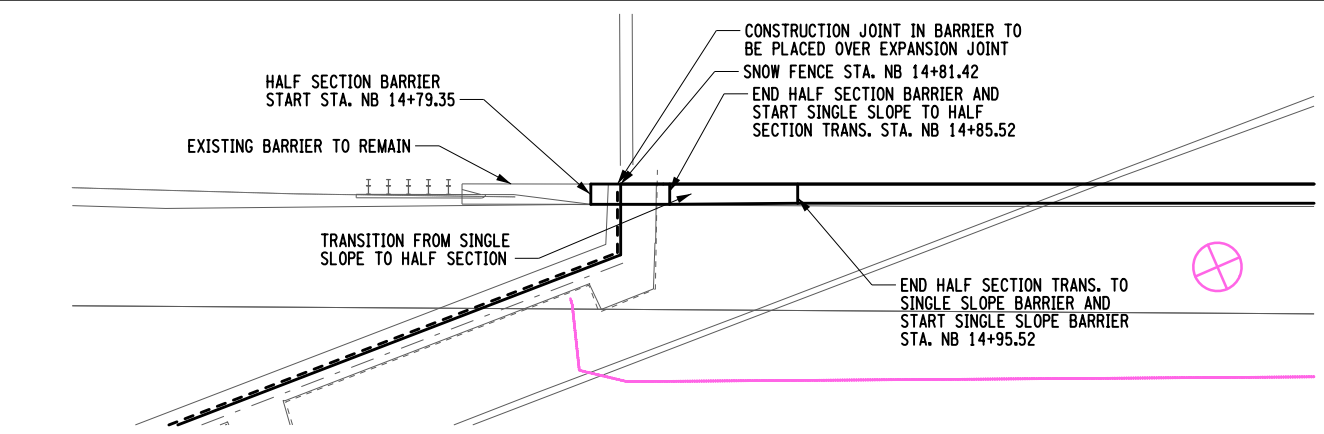
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

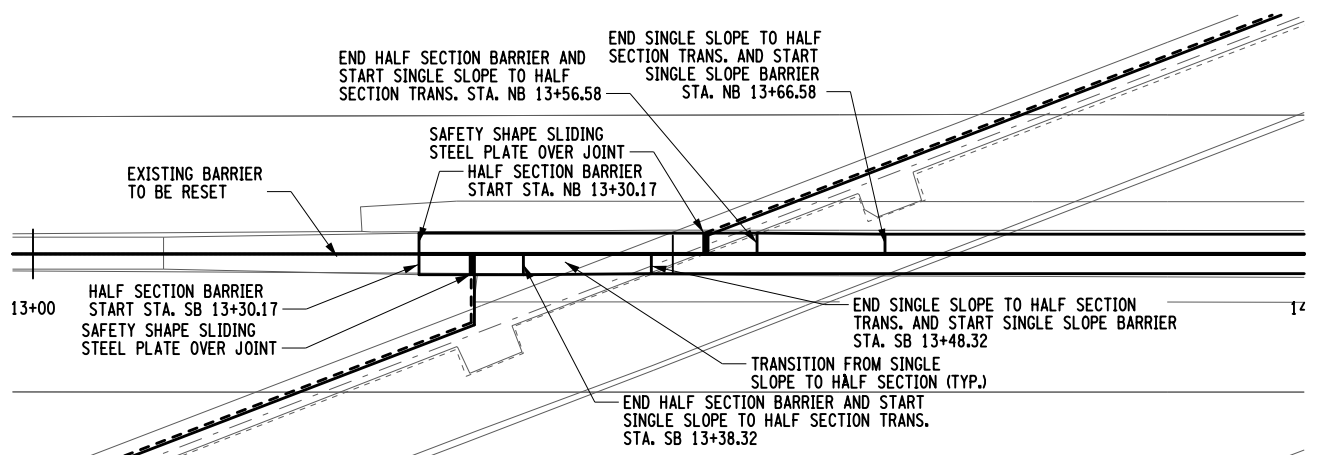


TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING MODULAR JOINT MISC. DETAILS	DRAWING NUMBER: ST2-33

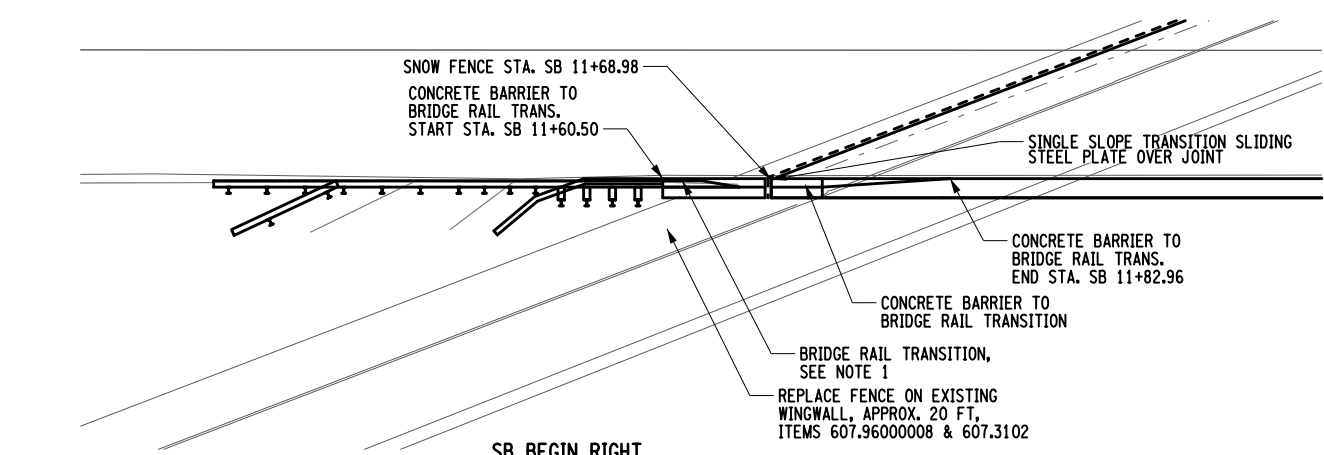
BIN 5040109 MP 29.54



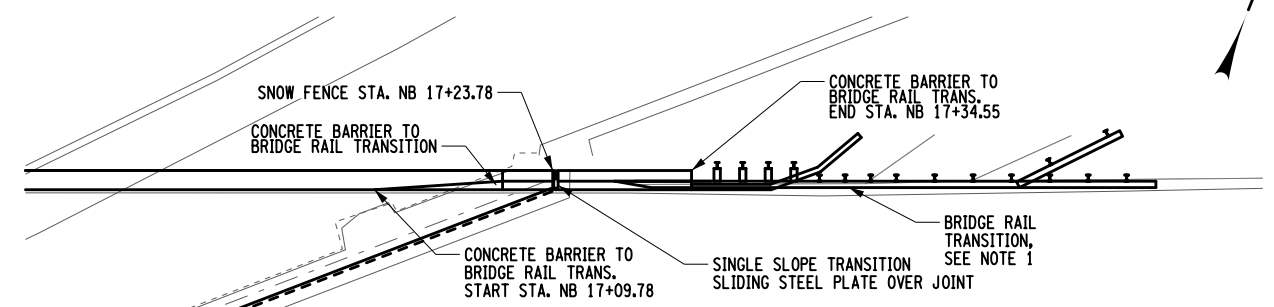
NB BEGIN LEFT



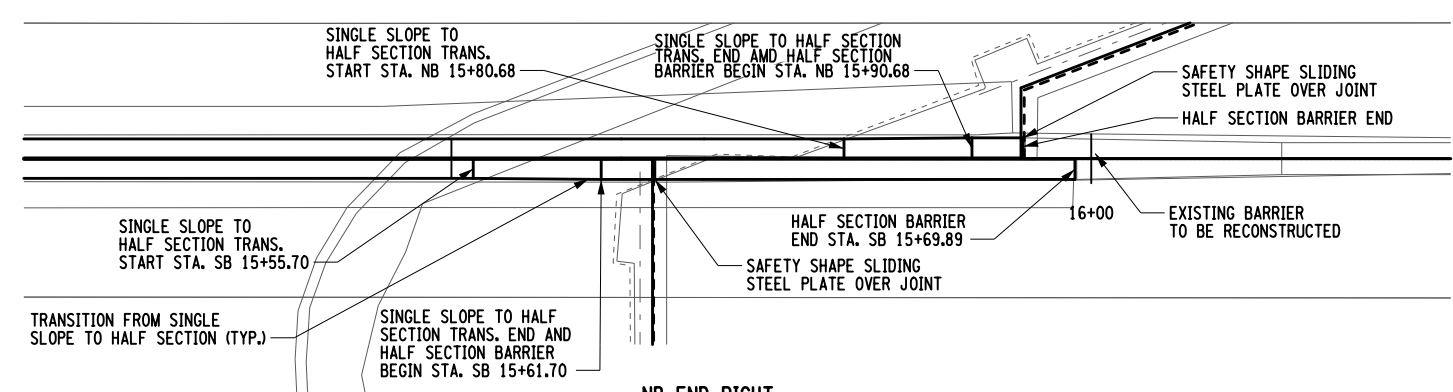
NB BEGIN RIGHT & SB BEGIN LEFT



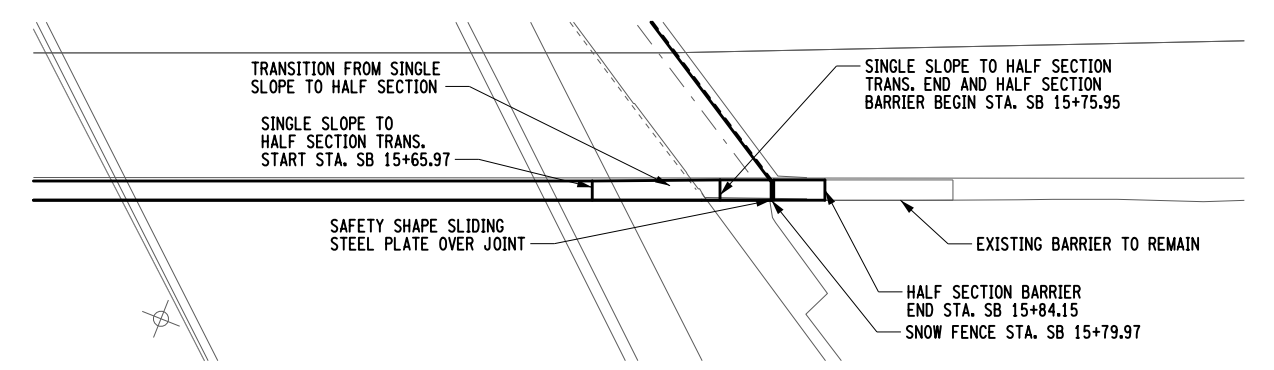
SB BEGIN RIGHT



NB END LEFT



NB END RIGHT & SB END LEFT



SB END RIGHT

CONCRETE BARRIER LAYOUT PLAN
SCALE : 1"=15'

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

- NOTES:
- EXISTING CURB TO BE REMOVED AND RESET AS NEEDED OR REPLACED AS ORDERED BY ENGINEER, ITEMS 609.0301 AND 609.15010025
 - SEE DWG. ST2-36 FOR CONCRETE BARRIER AND PAY LIMIT DETAILS.
 - SEE DWG. ST2-37 FOR CONCRETE BARRIER TRANSITION DETAILS.
 - SEE DWG. ST2-38 FOR CONCRETE BARRIER TO HALF SECTION TRANSITION DETAILS, INCLUDED IN ITEM 569.04.
 - SEE DWG. ST2-05 FOR REMOVAL LIMITS OF EXISTING CONCRETE BARRIER AND TRANSITIONS.
 - BARRIER SECTION LIMITS ARE BASED ON DESIGN JOINT OPENING WIDTHS AT 68° FARENHEIT

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- ITEMS:
- 569.02 - PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES (HALFSECTION)
 - 569.04 - SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER
 - 568.70 - TRANSITION BRIDGE RAILING
 - 607.06120025 - PROTECTIVE SCREENING SNOW FENCE

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



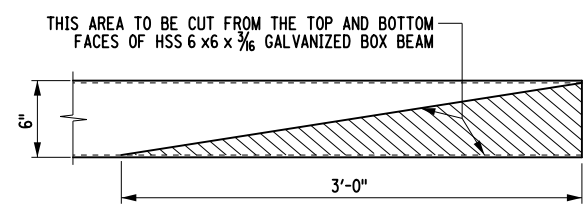
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING CONCRETE BARRIER LAYOUT PLAN	DRAWING NUMBER: ST2-34

BIN 5040109 MP 29.54

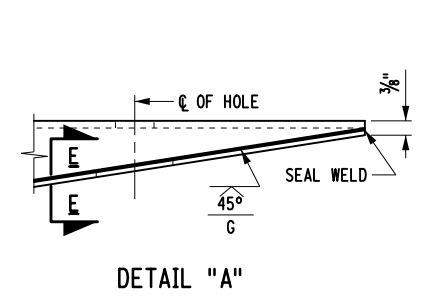
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 DRAFTING: R. DAUCHER
 CHECK: R. HENDERSON
 CHECK: R. HENDERSON

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 CHECK
 T. BENINATI
 DESIGN
 R. HENDERSON
 DESIGN SUPERVISOR

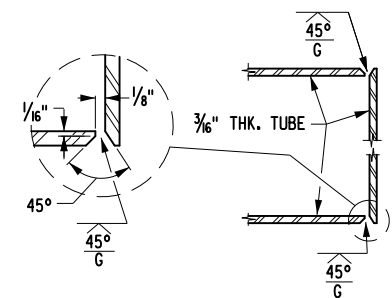
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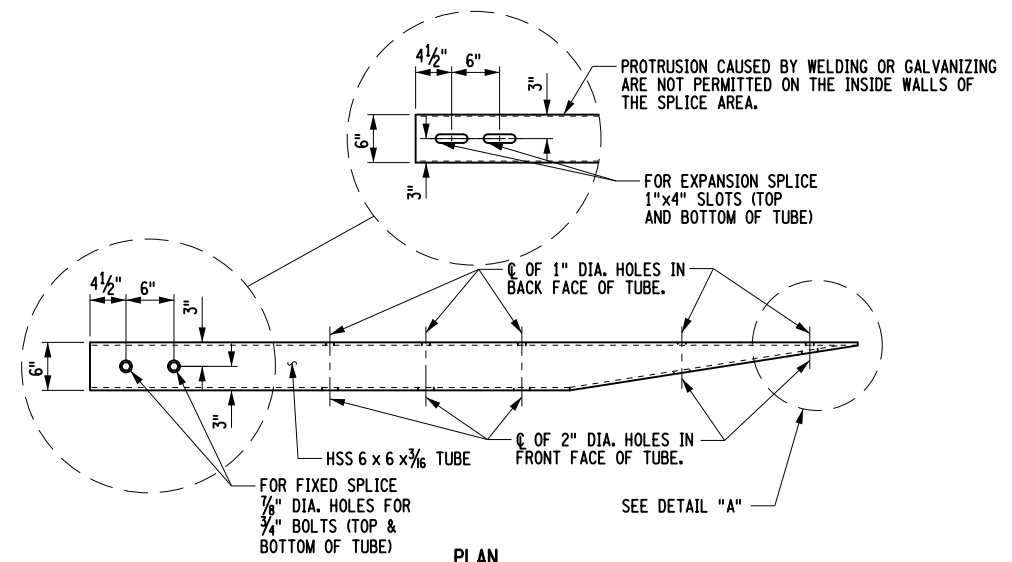
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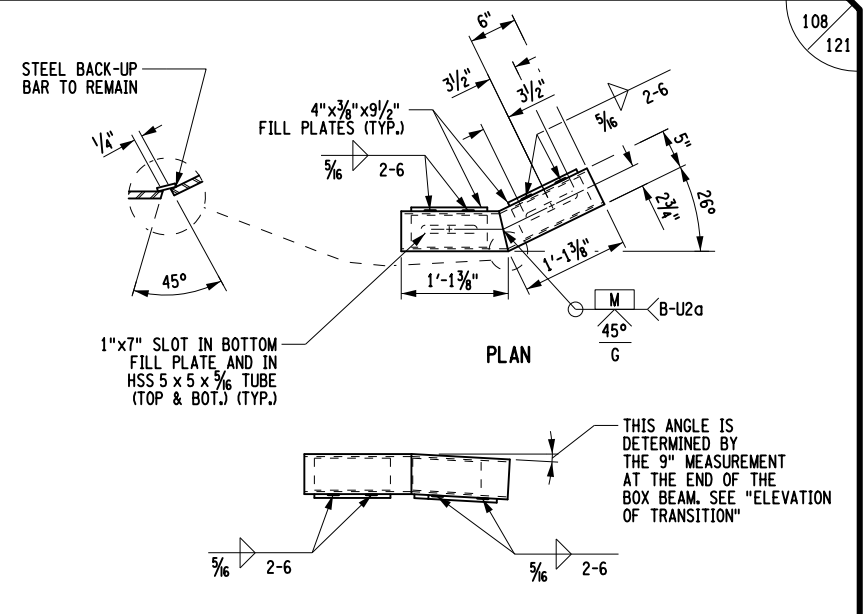
DETAIL "A"



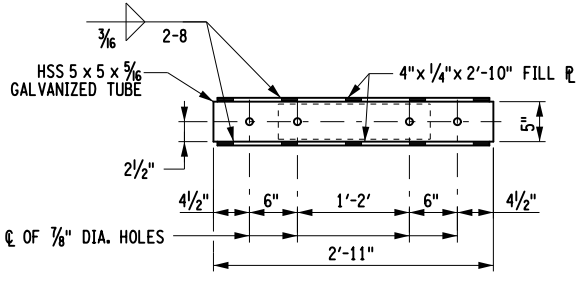
SECTION E-E



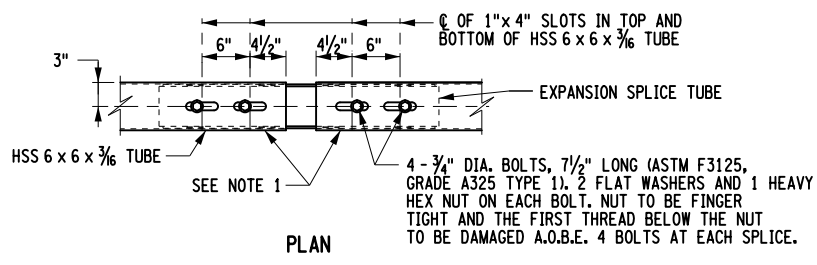
PLAN
END CONNECTION FOR BOX BEAM GUIDE RAIL
(SEE ELEVATION AT BOTTOM RIGHT OF DRAWING)



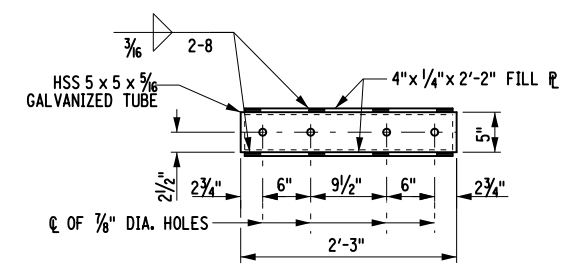
ELEVATION
SPLICE TUBE DETAILS FOR TURNBACK



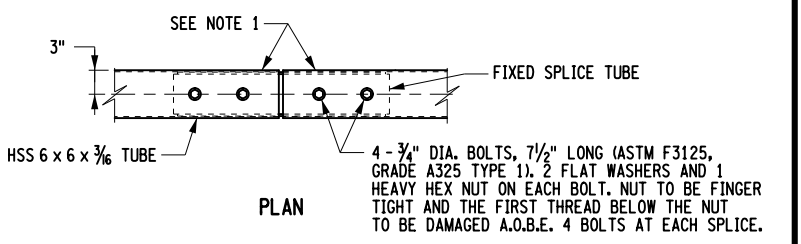
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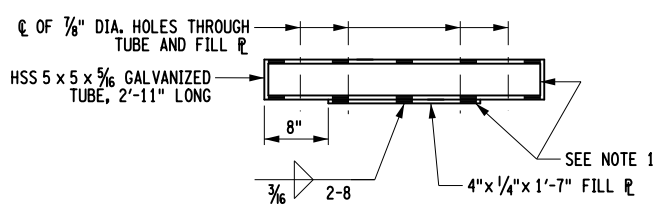
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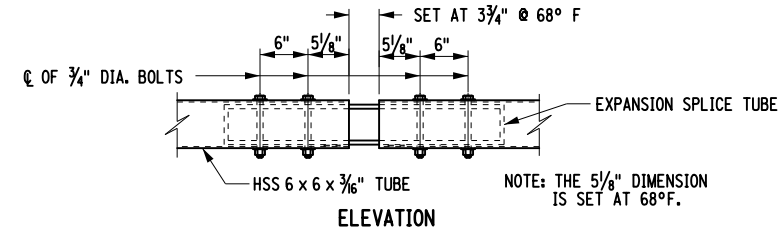
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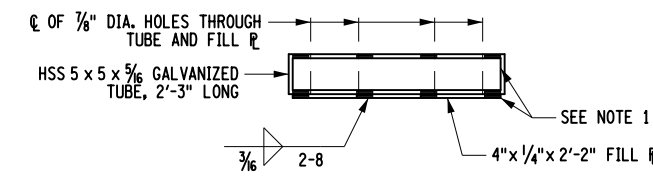
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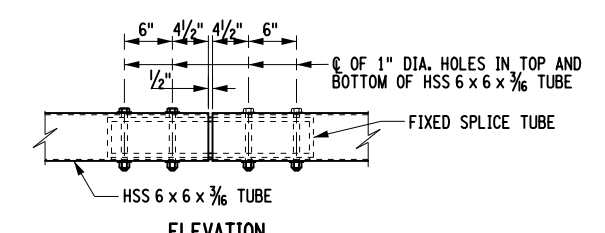
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ELEVATION

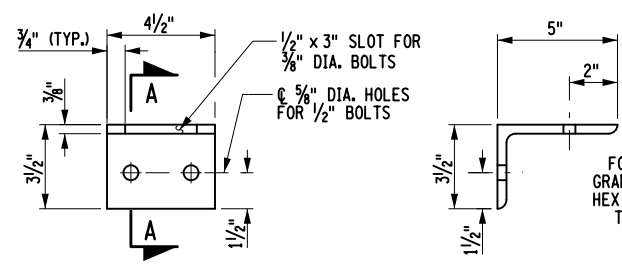


ELEVATION



ELEVATION

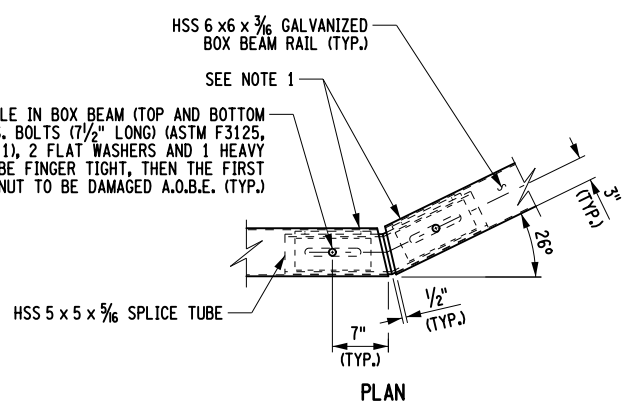
NOTES:
1. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.



ELEVATION

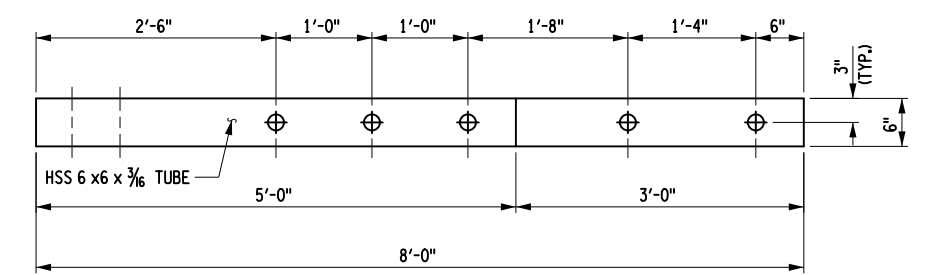
SECTION A-A

SHELF ANGLE DETAILS



PLAN

SPLICE DETAIL AT TURNBACK
IN LOWER TRANSITION GUIDE RAIL



ELEVATION

END CONNECTION FOR BOX BEAM GUIDE RAIL
(SEE PLAN AT TOP OF DRAWING)

BIN 5040109 MP 29.54

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

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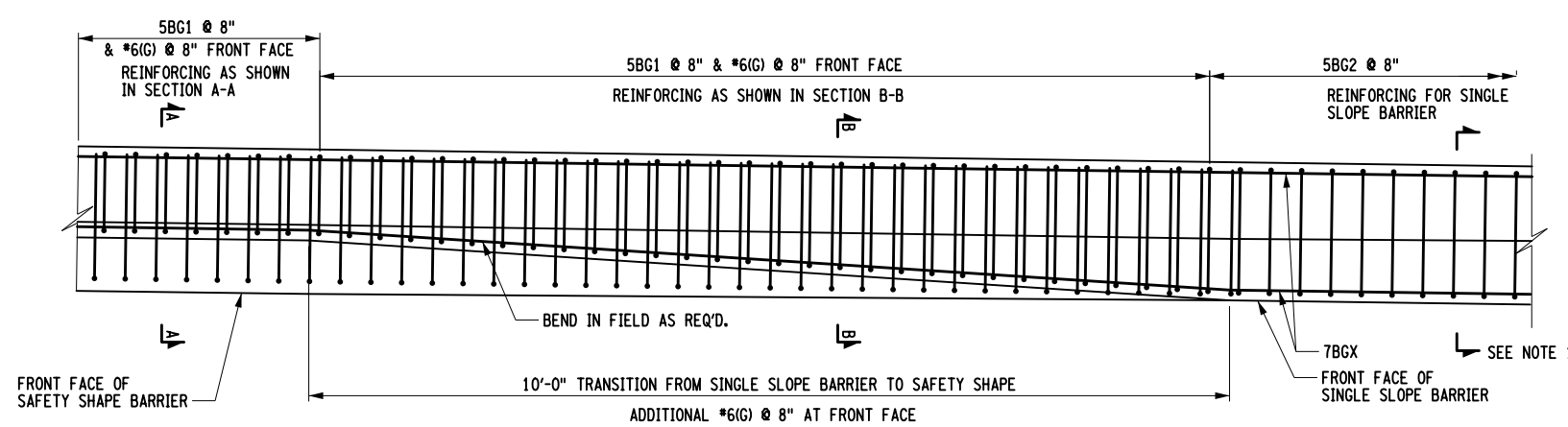
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



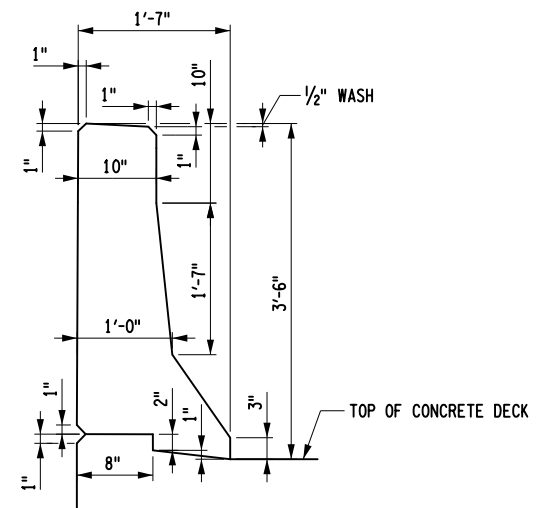
Thruway Authority



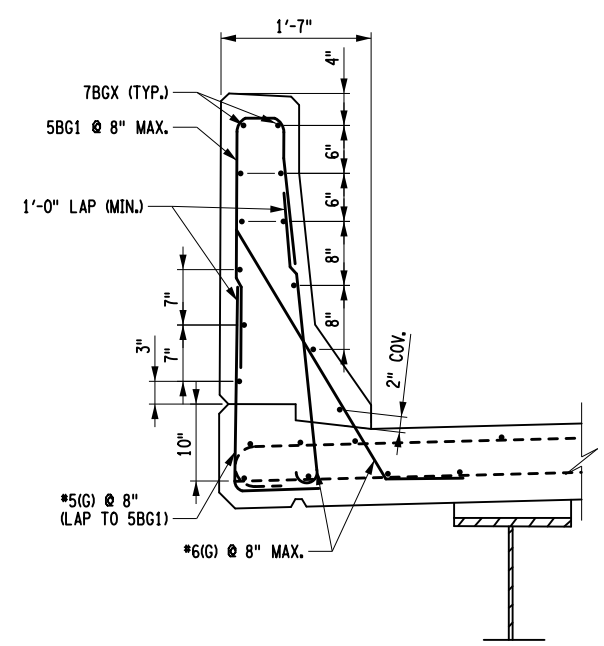
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING CONCRETE BARRIER TRANSITION DETAILS	DRAWING NUMBER: ST2-37



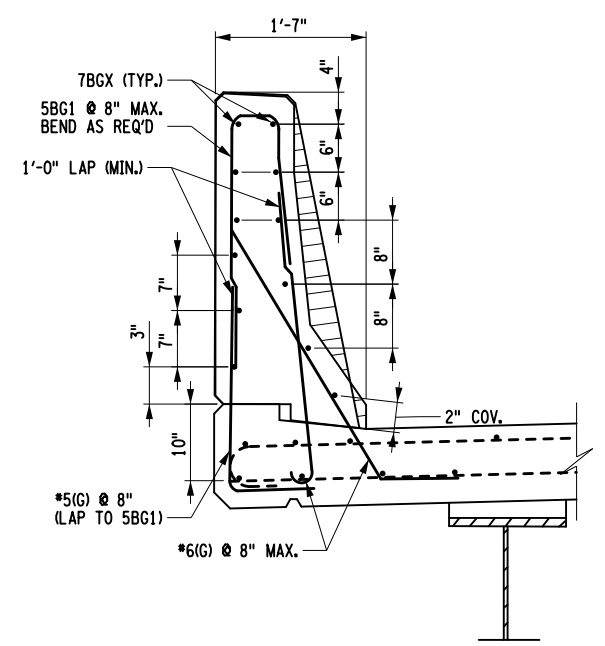
CONCRETE BARRIER TRANSITION PLAN
(SINGLE SLOPE BARRIER TO HALF SECTION SAFETY SHAPE)



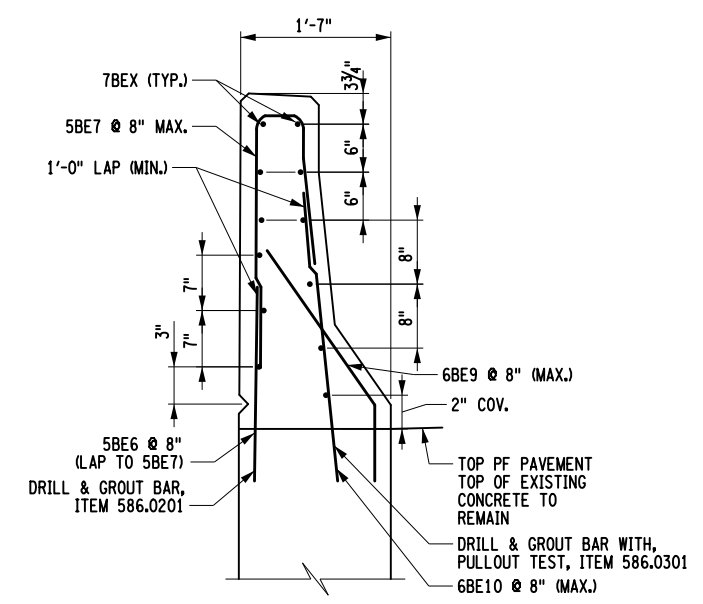
TYPICAL BARRIER SECTION A-A



BARRIER SECTION A-A



BARRIER SECTION B-B



BARRIER SECTION A-A
(PLACED ON EXISTING SUBSTRUCTURE CONCRETE)

- NOTES:
- SEE DWG. ST2-35 FOR SINGLE SLOPE CONCRETE BARRIER DETAILS.
 - SEE DWG. ST2-35 FOR CONCRETE BARRIER JOINT DETAILS.
 - REBAR EXTENDING FROM CONCRETE DECK INCLUDED IN PRECAST DECK PANEL ITEM.
 - SEE BAR LISTS FOR 7BGX & 7BEX LOCATIONS.

(E) INDICATES EPOXY REBAR
(G) INDICATES GALVANIZED REBAR

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING CONCRETE BARRIER TRANSITION TO SAFETY SHAPE	DRAWING NUMBER: ST2-38

BIN 5040109 MP 29.54

FILE NAME = DATE/TIME = 15-MAY-2024 2:11 DESIGN T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON USER = jmtpe11-pr-svc

ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024

R. HENDERSON

R. DAUGHER

DRAFTING

R. HENDERSON

CHECK

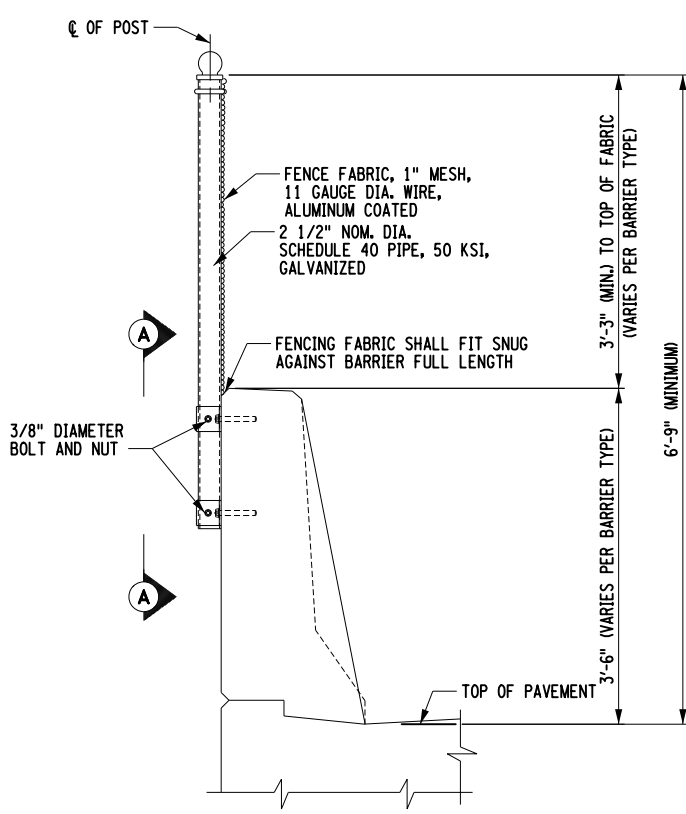
T. BENINATI

DESIGN

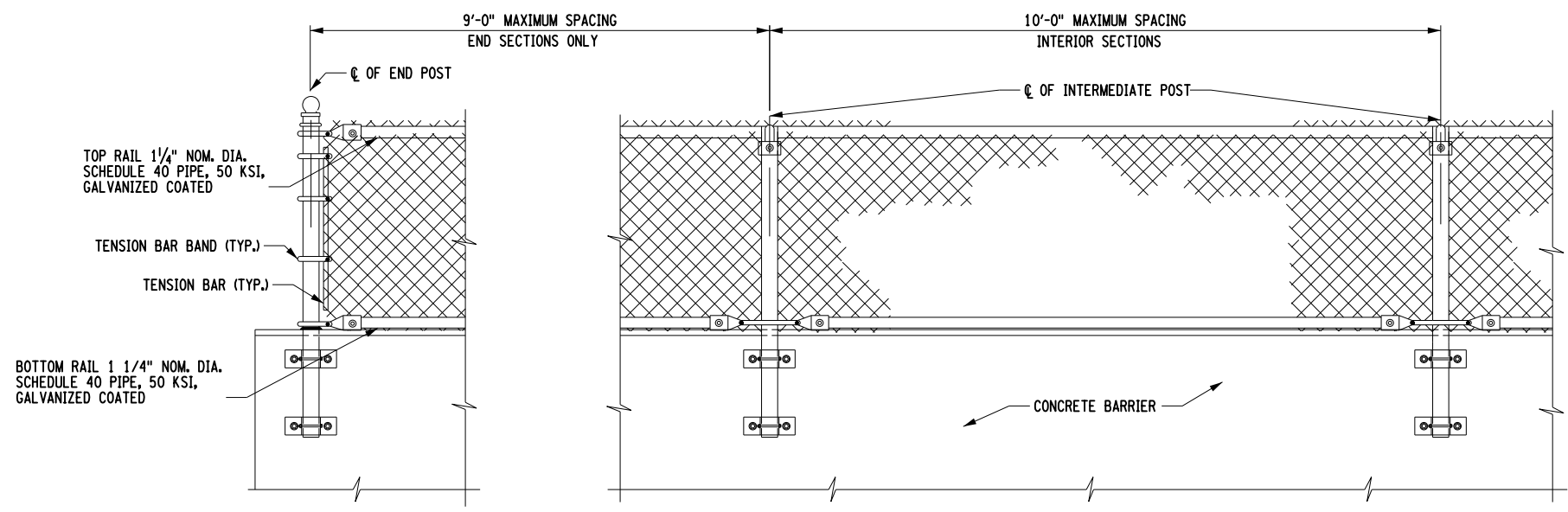
R. HENDERSON

DESIGN SUPERVISOR

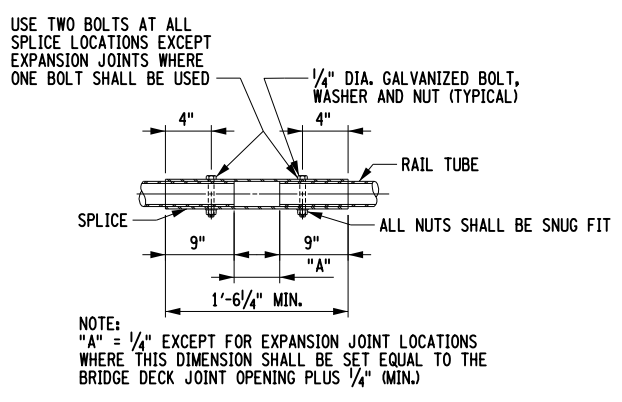
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 R. HENDERSON
 DRAFTING R. DAUGHER
 CHECK R. HENDERSON
 R. HENDERSON



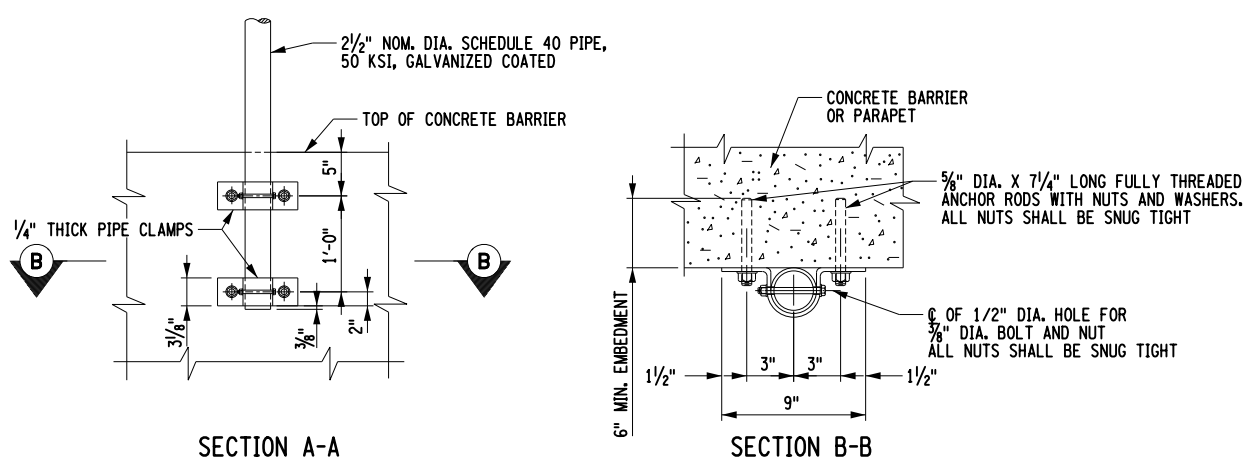
TYPICAL SECTION OF SNOW FENCING ON SAFETY SHAPE AND SINGLE SLOPE BARRIER



TYPICAL ELEVATION OF SNOW FENCING ON CONCRETE BARRIER



TYPICAL RAIL SPLICE DETAIL (TOP AND BOTTOM RAIL)



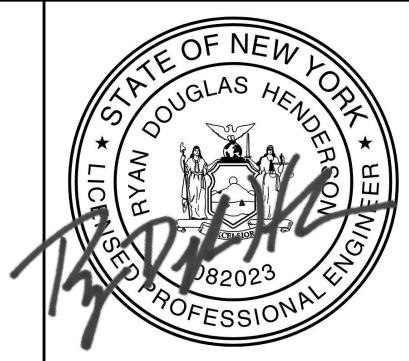
SECTION A-A

SECTION B-B

NOTES:

- THE INTERIOR SECTIONS OF SNOW FENCE POSTS SHALL BE PLACED SO THAT THE SPACING OF THE POSTS IS UNIFORM AND DOES NOT EXCEED 10'-0".
- THE FULLY THREADED ANCHOR RODS FOR THE SNOW FENCE POST MAY BE DRILLED AND GROUTED INTO THE BARRIER OR PARAPET AS SHOWN. BE DRILLED AND GROUTED INTO THE BARRIER OR PARAPET AS SHOWN.
- DRILLING AND GROUTING OF FULLY THREADED ANCHOR RODS SHALL BE DONE IN ACCORDANCE WITH SPECIFICATION 586.0301 - DRILLING AND GROUTING BOLTS OR REINFORCING BARS WITH PULLOUT TESTS, COST INCLUDED IN 607.0612--25.
- IT IS PERMISSIBLE TO INSTALL SHIM PLATES BEHIND THE VERTICAL FENCE POSTS TO ACHIEVE PLUMB. SHIMS MUST HAVE 1/16" DIA. HOLES MATCHING THE PIPE CLAMP FOR THE 5/8" DIA. ANCHOR BOLTS. SHIMS SHALL BE OF STAINLESS STEEL (ASTM A666-03). THE REQUIRED QUANTITY AND THICKNESS OF SHIMS WILL BE DETERMINED IN THE FIELD.
- ALL FENCE POSTS SHALL BE VERTICAL.
- THE SNOW FENCING SHALL BE PAID FOR UNDER 607.0612--25 - PROTECTIVE SCREENING (SNOW FENCE).
- 5/8" DIA. ANCHOR BOLTS FOR FENCING SHALL BE F1554 GR105. BOLTS SHALL HAVE A MECHANICALLY DEPOSITED ZINC COATING IN ACCORDANCE WITH CLASS 50 OF ASTM B695.
- 3/8" DIA. BOLTS SHALL BE ASTM A449 GR92 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT SPEC. 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
- ALL NUTS SHALL BE ASTM A563 HEAVY HEX GRADE DH AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT SPEC. 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
- ALL WASHERS SHALL BE ASTM F436 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT SPEC. 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.

ALTERED BY: ON:
AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024



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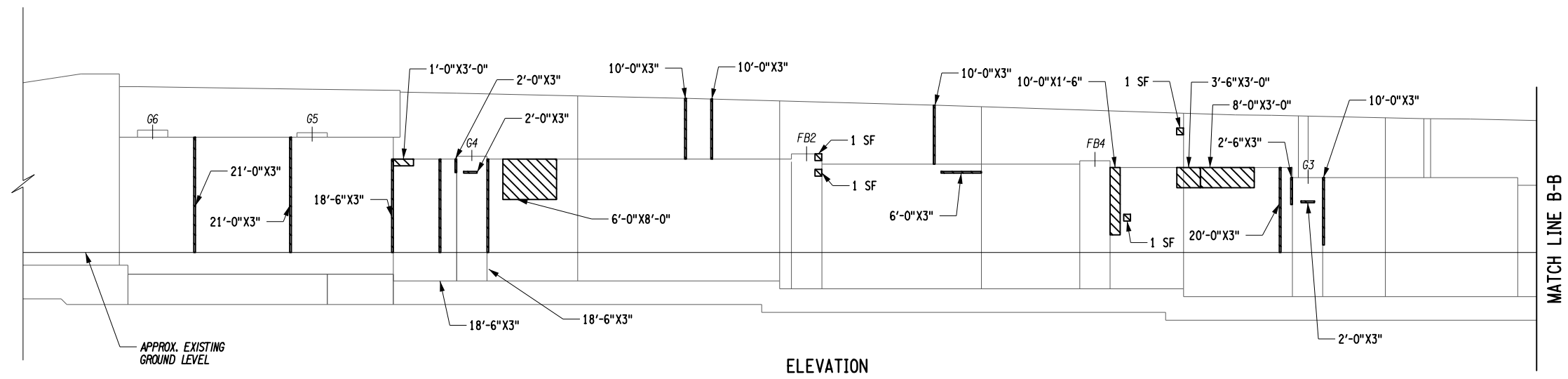
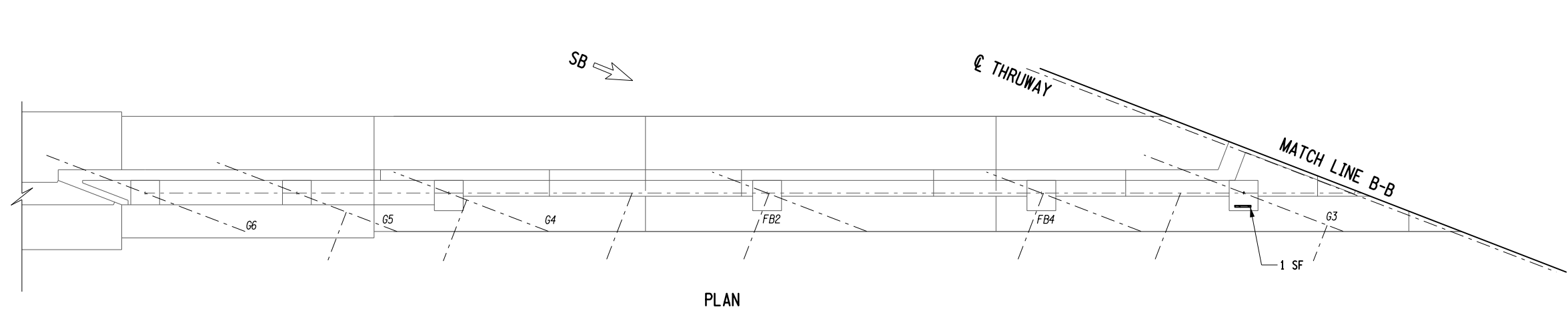
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING SNOW FENCE DETAILS	DRAWING NUMBER: ST2-39

BIN 5040109 MP 29.54

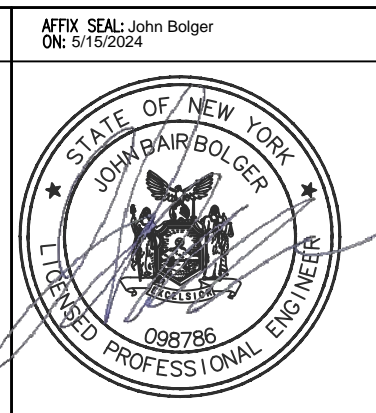
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 FILE NAME =
 DESIGN SUPERVISOR R. SHARMA
 DESIGN J. BOLGER
 CHECK Y. GAUGHAN
 DRAFTING LKC/A. RAWAL
 CHECK J. BOLGER
 J. BOLGER



- NOTES:**
- SEE DWG. ST2-45 FOR CONCRETE REPAIR DETAILS.
 - ALL REINFORCEMENT SHALL BE UNCOATED.
 - ALL REINFORCEMENT SHALL HAVE 2" COVER, UNLESS OTHERWISE NOTED.
 - ESTIMATE OF DETERIORATED CONCRETE ARE BASED ON INSPECTION COMPLETED APRIL 17, 2023. CONTRACTOR SHALL SOUND ALL SUBSTRUCTURAL CONCRETE IN PRESENCE OF ENGINEER TO DETERMINE THE EXTENT OF ACTUAL CONCRETE DETERIORATION AND MAKE REPAIRS AS PER DWG. ST2-45.
 - APPLY PROTECTIVE SEALER, ITEM 559.04 (EXISTING STRUCTURAL CONCRETE), TO ENTIRE SURFACE AREA OF ABUTMENT AND PIER.
 - PROTECT OR RE-ATTACH EXISTING ELECTRICAL LIGHTING & CONDUITS COST TO BE INCLUDED IN ITEM NO. 582.0051 OR 582.0061.
 - STRUCTURAL CONCRETE REPAIR - AREA OF CONCRETE REPAIR LOCATED ON BEGIN ABUTMENT NEAR FB29 PEDESTAL, END ABUTMENT ON PEDESTAL G4 AND PIER 1 WILL BE COMPLETED UNDER ITEM 582.0051 USING THE SAME DETAILS ON SHEET ST2-45. FOR THE STRUCTURAL CONCRETE REPAIR ALL REFERENCE TO ITEM 582.0061 IN THESE DETAILS AND NOTES WILL BE REPLACED WITH ITEM 582.0051.+
 - CLEAN AND LUBRICATE ALL BEARINGS, ITEM NO. 565.43030025.

ITEM	DESCRIPTION	UNIT	QUANTITY
559.04	PROTECTIVE SEALING OF CONCRETE WITH COATING TYPE PROTECTIVE SEALER	SF	9760.00
582.0051	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	CY	0.20
582.0061	REMOVAL OF STRUCTURAL CONCRETE- REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL	SF	209.00

- LEGENDS:**
- ITEM 582.0051 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE
 - ITEM 582.0061 REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL



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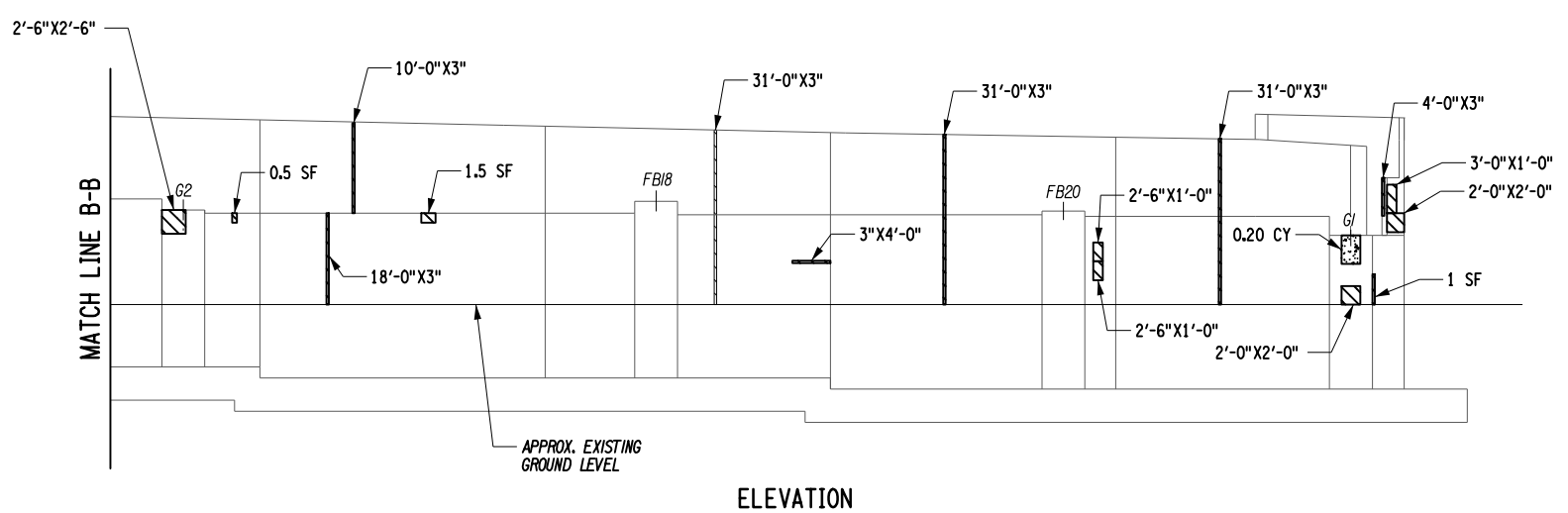
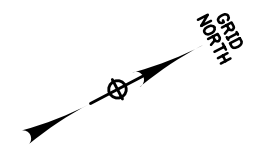
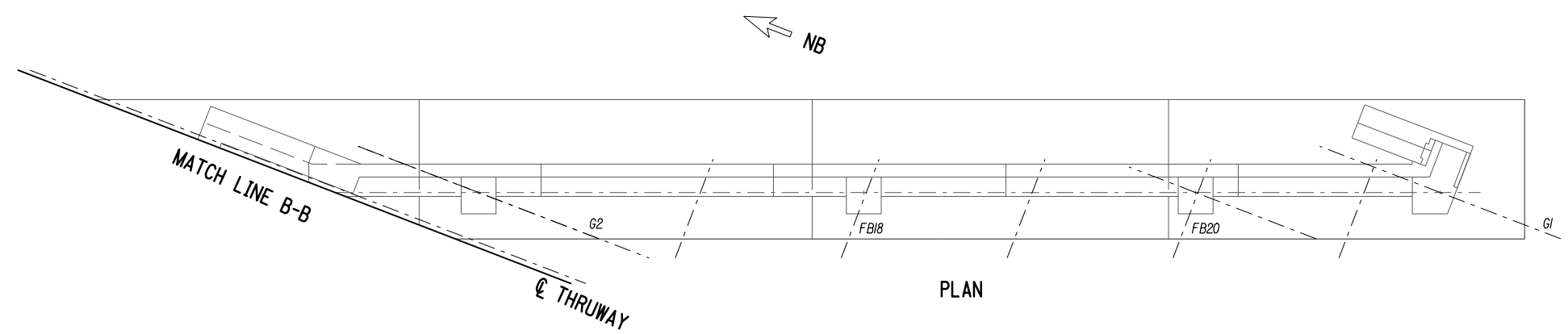
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER		CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEWYORK DIVISION MILEPOSTS 29.54 AND MP 29.41		DATE: 05/15/2024
TITLE OF DRAWING BEGIN ABUTMENT PLAN AND ELEVATION (1 OF 2)		DRAWING NUMBER: ST2-40

BIN 5040109 MP 29.54

USER = jkc
 DATE/TIME = 15-MAY-2024 15:45
 FILE NAME =
 DESIGN SUPERVISOR R.SHARMA
 DESIGN J.BOLGER
 CHECK J.BOLGER
 DRAFTING Y.GAUGHAN
 CHECK L.KC/A.RAWAL
 CHECK J.BOLGER
 DRAFTING J.BOLGER
 CHECK J.BOLGER



- NOTES:**
- SEE DWG. ST2-40 FOR NOTES.
 - SEE DWG. ST2-40 FOR REPAIR QUANTITIES OF BEGIN ABUTMENT.
 - COORDINATE CONCRETE REPAIR WITH JACKING WORK.
 - CLEAN AND LUBRICATE ALL BEARINGS, ITEM NO. 565.43030025.

ALTERED BY: ON:	AFFIX SEAL: John Bolger ON: 5/15/2024

- LEGEND:**
- ITEM 582.0051 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE
 - ITEM 582.0061 REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL

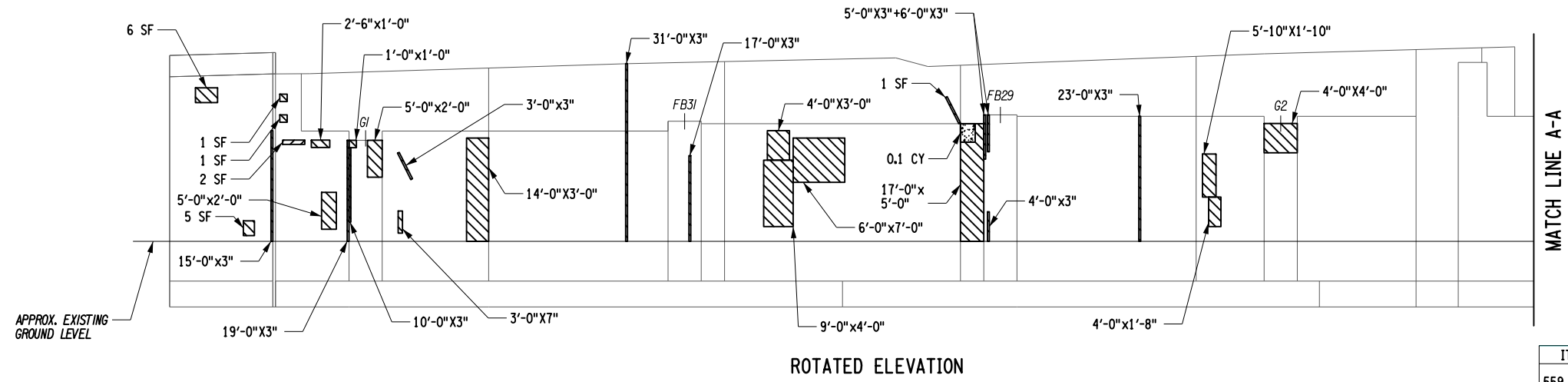
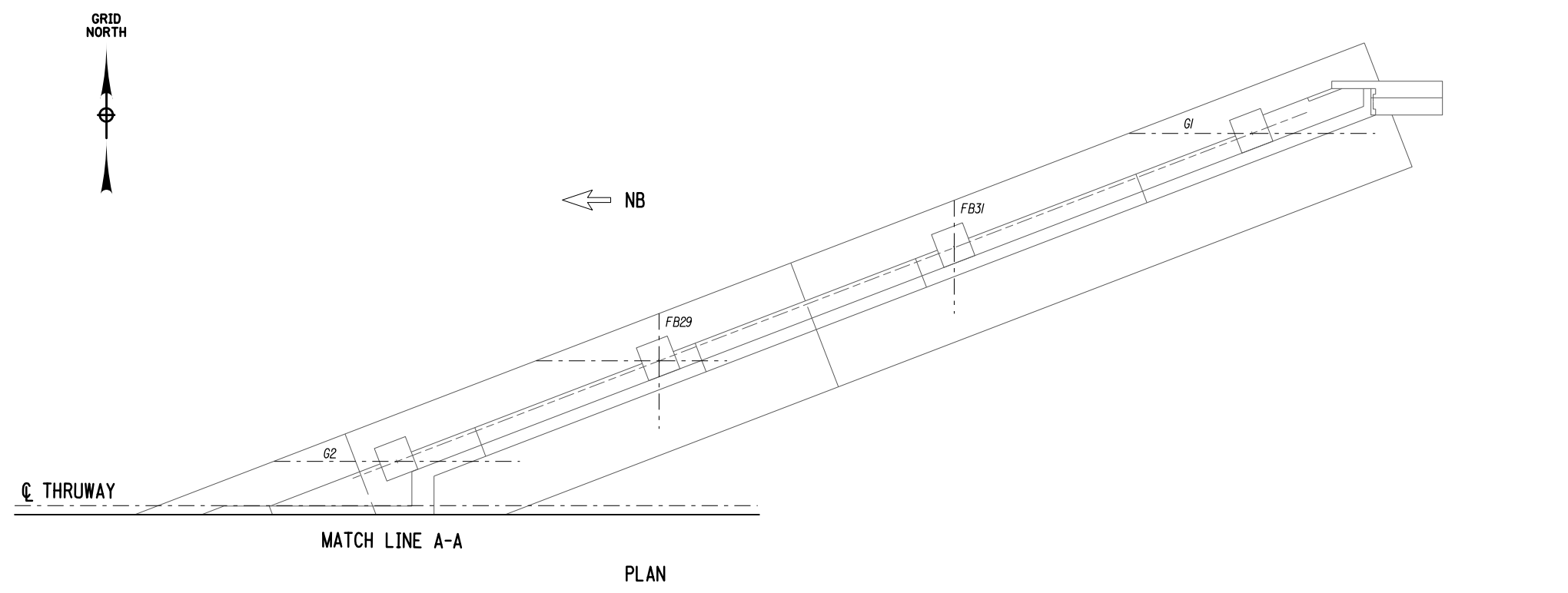
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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



BIN 5040109 MP 29.54	
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEWYORK DIVISION MILEPOSTS 29.54 AND MP 29.41	DATE: 05/15/2024
TITLE OF DRAWING BEGIN ABUTMENT PLAN AND ELEVATION (2 OF 2)	DRAWING NUMBER: ST2-41

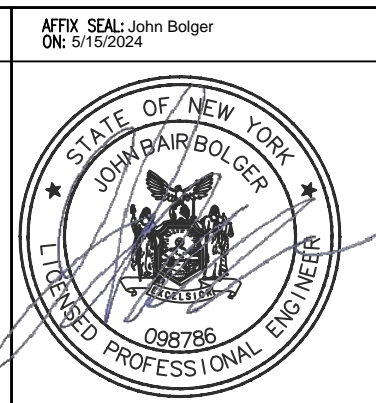
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 USER = jkc
 DESIGN J.BOLGER
 CHECK Y.GAUGHAN
 DRAFTING L.KC/A.RAWAL
 CHECK J.BOLGER
 DESIGN SUPERVISOR R.SHARMA



- NOTES:**
- SEE DWG. ST2-40 FOR NOTES.
 - CLEAN AND LUBRICATE ALL BEARINGS, ITEM NO. 565.43030025.

ITEM	DESCRIPTION	UNIT	QUANTITY
559.04	PROTECTIVE SEALING OF CONCRETE WITH COATING TYPE PROTECTIVE SEALER	SF	7283.00
582.0051	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	CY	0.10
582.0061	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL	SF	388.50

- LEGEND:**
- ITEM 582.0051 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE
 - ITEM 582.0061 REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



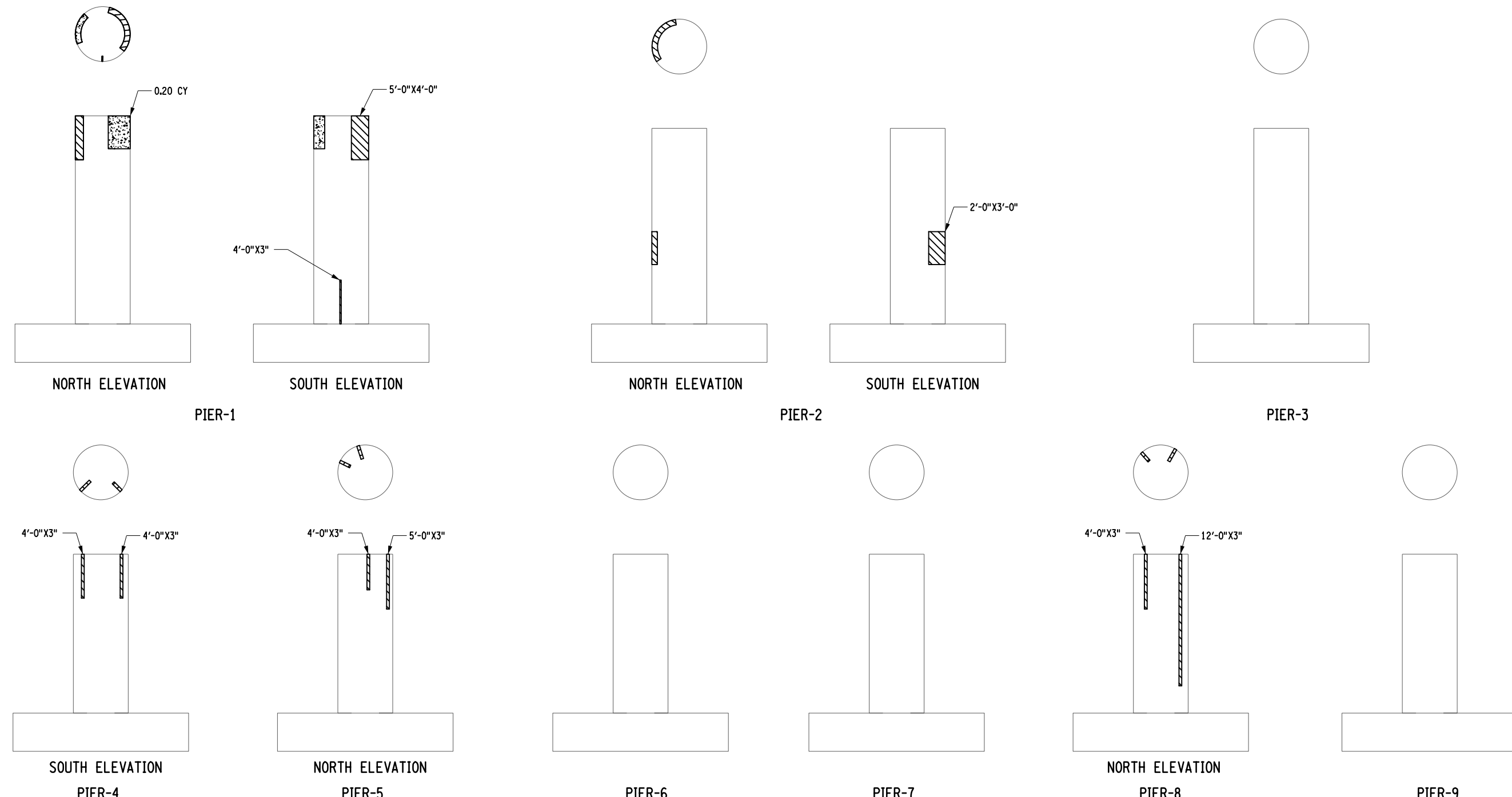
Thruway Authority

Engineering and Land Surveying, P.C.

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEWYORK DIVISION MILEPOSTS 29.54 AND MP 29.41	DATE: 05/15/2024
TITLE OF DRAWING END ABUTMENT PLAN AND ELEVATION (1 OF 2)	DRAWING NUMBER: ST2-42

BIN 5040109 MP 29.54

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 J.BOLGER
 Y.GAUGHAN
 DRAFTING = L.KC/A.RAWAL
 CHECK = J.BOLGER
 L.KC/A.RAWAL
 CHECK = J.BOLGER
 J.BOLGER



ALTERED BY: ON: R.SHARMA

AFFIX SEAL: John Bolger ON: 5/15/2024

LEGEND:

- [Stippled Pattern] ITEM 582.0051 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE
- [Hatched Pattern] ITEM 582.0061 REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL

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ITEM	DESCRIPTION	UNIT	QUANTITY
559.04	PROTECTIVE SEALING OF CONCRETE WITH COATING TYPE PROTECTIVE SEALER	SF	2500
582.0051	REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	CY	0.20
582.0061	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL	SF	35.50

- NOTES:**
- SEE DWG. ST2-40 FOR NOTES.
 - COORDINATE CONCRETE REPAIR WITH JACKING WORK.
 - CLEAN AND LUBRICATE ALL BEARINGS, ITEM NO. 565.43030025.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

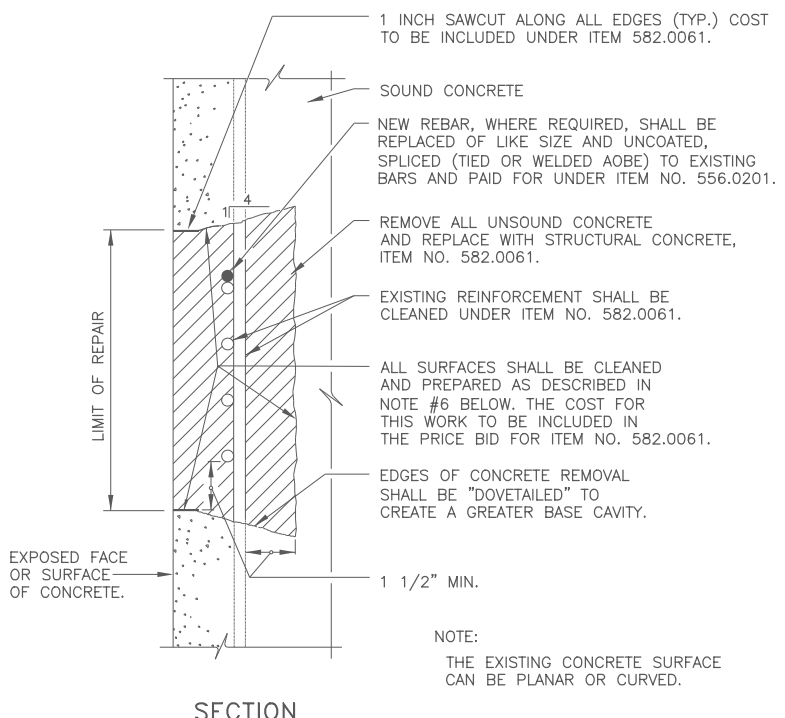
BIN 5040109 MP 29.54

NEW YORK STATE OF OPPORTUNITY

Thruway Authority

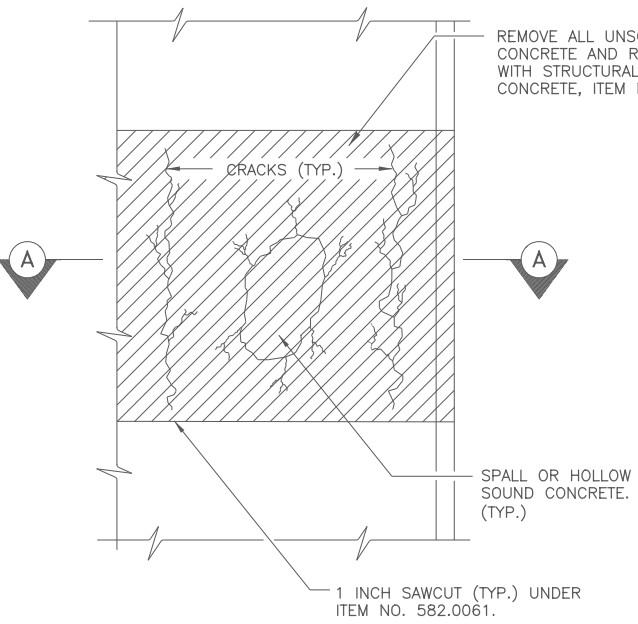
TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND MP 29.41	DATE: 05/15/2024
TITLE OF DRAWING PIERS PLAN AND ELEVATION	DRAWING NUMBER: ST2-44

Engineering and Land Surveying, P.C.

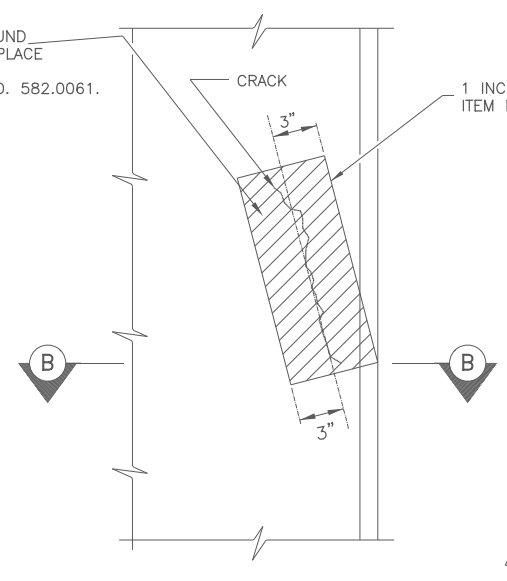


SECTION

TYPICAL CONCRETE SURFACE REPAIR SECTION



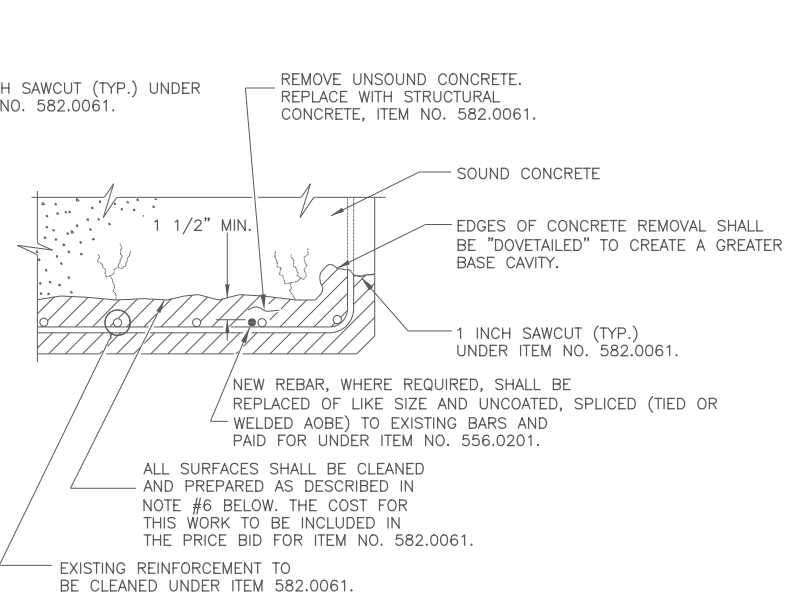
CONCRETE DETERIORATION REPAIR



CONCRETE CRACK REPAIR

CONCRETE SURFACE REPAIR

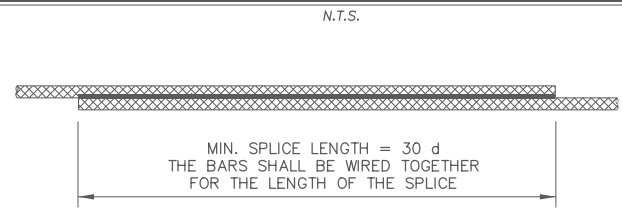
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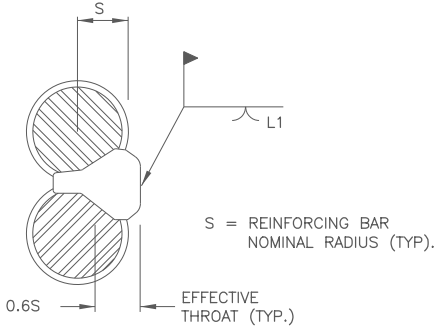
SECTION A-A
SECTION B-B SIMILAR

CONCRETE REPAIR NOTES:

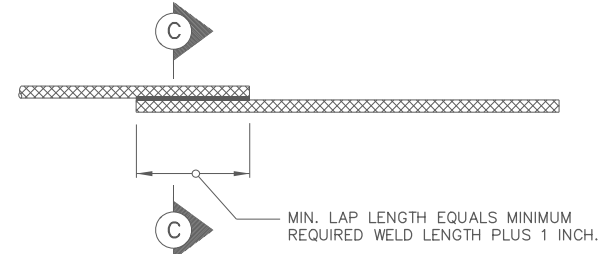
- FOR REPAIR NOTES SEE DRAWING ST2-40. FOR GENERAL NOTES SEE DRAWING ST2-4.
- FOR LOCATIONS OF CONCRETE REPAIRS SEE DRAWINGS ST2-40, ST2-41, ST2-42, ST2-43 AND ST2-44.
- SUBSTRUCTURE DETERIORATION REQUIRING REPAIR AS INDICATED ON THE PLANS HAS BEEN DETERMINED BY A FIELD INSPECTION. ALL OF THE MAJOR AREAS, KNOWN TO EXIST AT THE TIME, HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION THAT WILL HAVE TO BE REPAIRED BY THE CONTRACTOR.
- THE ANTICIPATED EXTENT OF CONCRETE REPAIR HAS BEEN INDICATED ON THE CONTRACT PLANS. THE PROJECT ENGINEER SHALL EXAMINE THE SUBSTRUCTURE CONCRETE AND ESTABLISH THOSE AREAS OF REPAIRS TO BE MADE WITH STRUCTURAL CONCRETE. THE EXTENT OF CONCRETE REPAIR TO BE MADE SHALL BE APPROVED BY THE PROJECT ENGINEER.
- DETERIORATED REINFORCEMENT SHALL BE REPLACED OF LIKE SIZE AND UNCOATED, ITEM 556.0201, AND HAVE A MINIMUM LAP OF 30 BAR DIAMETERS OR A WELDED SPLICE SHALL BE PROVIDED (SEE WELDED SPLICE DETAILS ON THIS DRAWING). IF WELDED, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
- WHEN JOINING FRESH CONCRETE TO NEW CONCRETE WHICH HAS ALREADY SET, OR TO EXISTING CONCRETE, THE CONCRETE IN PLACE SHALL HAVE ITS SURFACE SCOURED OR ABRADED WITH A SUITABLE TOOL TO REMOVE ALL LOOSE AND FOREIGN MATERIALS. THIS SURFACE SHALL BE SCRUBBED WITH WIRE BROOMS. AFTER THE SURFACE PREPARATION HAS BEEN ACCEPTED, THIS SURFACE SHALL BE THOROUGHLY WET AND KEPT SO FOR A PERIOD OF 12 HOURS IMMEDIATELY PRIOR TO PLACING THE NEW CONCRETE. THIS MAY BE ACCOMPLISHED BY CONTINUOUS WETTING WITH SOAKER HOSES OR THE USE OF BURLAP/BURLENE/ETC. SO THAT MOISTURE CAN BE MAINTAINED. IF, IN THE OPINION OF THE ENGINEER, CONDITIONS OR THE SITUATION PROHIBITS THIS, THEN THE SURFACES SHALL BE WETTED FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL REMOVE ANY PUDDLES OR FREE STANDING WATER WITH OIL-FREE COMPRESSED AIR, AND PROTECT THE 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.
- AT ALL CONCRETE REMOVAL LOCATIONS, THE MINIMUM DEPTH OF REMOVAL SHALL BE NO LESS THAN 1 1/2 INCHES BEHIND THE INNERMOST LAYER OF EXPOSED REINFORCING BARS, OR TO SOUND CONCRETE, WHICHEVER IS GREATER.
- WHERE CONCRETE REMOVAL AND REPLACEMENT NECESSITATES ADJACENT SEPARATE CONCRETE PLACEMENTS, CONCRETE REMOVAL SHALL NOT BE ALLOWED WITHIN 1 FOOT OF ADJACENT REPAIR AREAS. ADJACENT AREAS WHERE THIS 1 FOOT BUFFER IS NOT ATTAINABLE SHALL BE COMBINED INTO A SINGLE REPAIR AREA.
- IN SEQUENCING WORK, THE CONTRACTOR SHALL NOT BEGIN CONCRETE REMOVAL AT A LOCATION ADJACENT TO A COMPLETED REPAIR UNTIL A MINIMUM OF 7 CURING DAYS HAVE PASSED.
- A PROTECTIVE OR PENETRATING SEALER FOR CONCRETE SHALL BE APPLIED TO ALL EXPOSED SUBSTRUCTURE CONCRETE SURFACES EXCEPT THE UNDERSIDE OF PIER CAPBEAMS.
- THE EXTENT OF CONCRETE REMOVAL FOR ANY COMPONENT SHALL NOT JEOPARDIZE ITS STRUCTURAL INTEGRITY. THE CONTRACTOR SHALL SUBMIT, PRIOR TO COMMENCEMENT OF THIS WORK, A REMOVAL PLAN AND SCHEDULE FOR PROJECT ENGINEER APPROVAL.



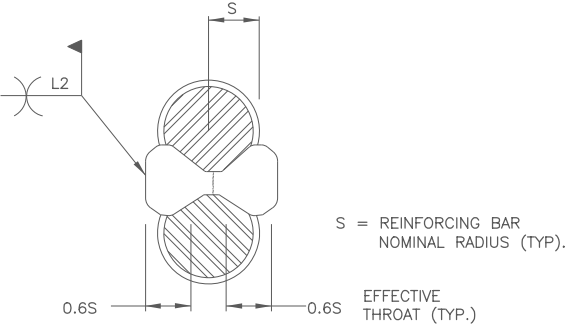
PLAN
LAPPED, TIED SPLICE
N.T.S.



SINGLE FLARE V - GROOVE WELD



PLAN
WELDED SPLICE
N.T.S.



DOUBLE FLARE V - GROOVE WELD

SECTION C-C

N.T.S.

MINIMUM WELD LENGTHS		
BAR SIZE	SINGLE FLARE L1 V-GROOVE WELD	DOUBLE FLARE L2 V-GROOVE WELD
5	4"	2 1/2"
6	4 1/2"	2 3/4"
7	5"	3"
8	5 1/2"	3 1/4"
9	6"	3 1/2"

ALTERED BY:
ON:

AFFIX SEAL: John Bolger
ON: 5/15/2024

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

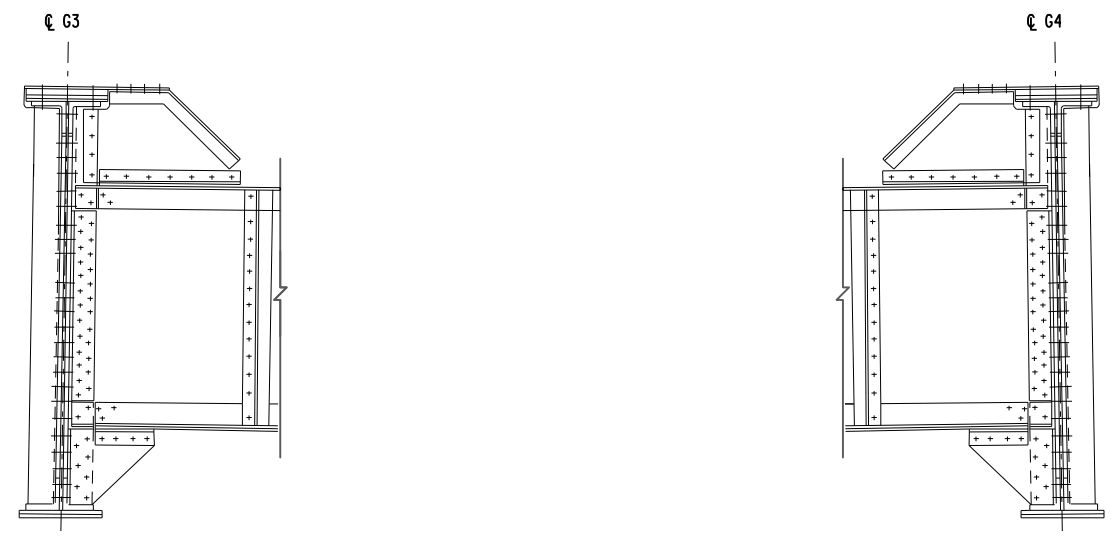
Engineering and Land Surveying, P.C.

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISIONS MILEPOSTS 29.54 AND MP 29.41	DATE: 05/15/2024
TITLE OF DRAWING CONCRETE REPAIR DETAILS	DRAWING NUMBER: ST2-45

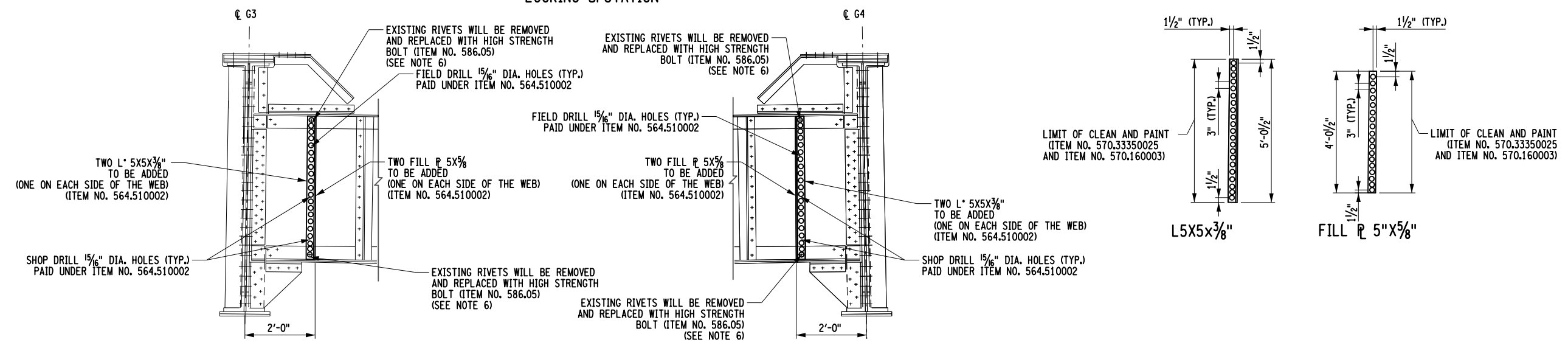
BIN 5040109 MP 29.54

USER = jkc
 DATE/TIME = 15-MAY-2024 15:45
 FILE NAME =
 J.BOLGER
 Y.GAUCHAN
 LKC/A-RAWAL
 CHECK
 DRAFTING
 J.BOLGER
 DESIGN
 R.SHARMA
 DESIGN SUPERVISOR

USER = jkc
 CHECK
 Y. GAUCHAN
 DRAFTING
 L. KC/A. RAWAL
 CHECK
 J. BOLGER
 DESIGN
 R. SHARMA
 DESIGN SUPERVISOR
 DATE/TIME = 21-MAY-2024 14:50
 FILE NAME =



SR-03 (EXISTING FLOOR BEAMS, FB6 AND FB9)
LOOKING UPSTATION



SR-03 (PROPOSED FLOOR BEAMS WITH NEW STIFFENERS, FB6 AND FB9)
LOOKING UPSTATION

- NOTES:**
- CONTRACTOR IS RESPONSIBLE TO FIELD MEASURE ALL THE DIMENSION FOR ADDITIONAL STEEL PRIOR TO FABRICATION. COST TO BE INCLUDED UNDER THE ITEM NO. 564.510002.
 - ALL THE STRUCTURAL STEEL SHALL BE A709 STEEL GRADE 50 AND PAID UNDER ITEM NO. 564.510002.
 - ALL THE STRUCTURAL BOLTS SHALL BE ASTM F3125 GRADE A325 BOLTS AND PAID UNDER ITEM NO. 586.05.
 - ALL THE ADDITIONAL STEEL THAT REQUIRES PAINT AFTER STEEL REPAIRS SHALL BE FIELD PAINTED UNDER THE ITEM NO. 570.33350025 AND ITEM NO. 570.160003.
 - SEE DWG. ST2-6 FOR STEEL REPAIR LOCATIONS SR-03. THERE ARE FOUR STEEL REPAIR LOCATIONS OF SR-03. THE QUANTITY ESTIMATES SHOWN IN THIS SHEET ARE FOR ONE LOCATION ONLY.
 - SEE DWG. ST2-46 FOR RIVET REMOVAL AND BOLT INSTALLATION NOTES.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
564.510002	STRUCTURAL STEEL	LB	290
570.160003	CLASS B CONTAINMENT FOR PAINT REMOVAL	LS	1
570.33350025	LOCALIZED CLEANING AND PAINTING AT STEEL REPAIRS	LS	1
586.05 (SR-03)	REMOVAL OF RIVETS - REPLACEMENT WITH HIGH STRENGTH BOLTS	EACH	8
586.10	FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL	EACH	21

ALTERED BY:
ON:

AFFIX SEAL: John Bolger
ON: 5/21/2024

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



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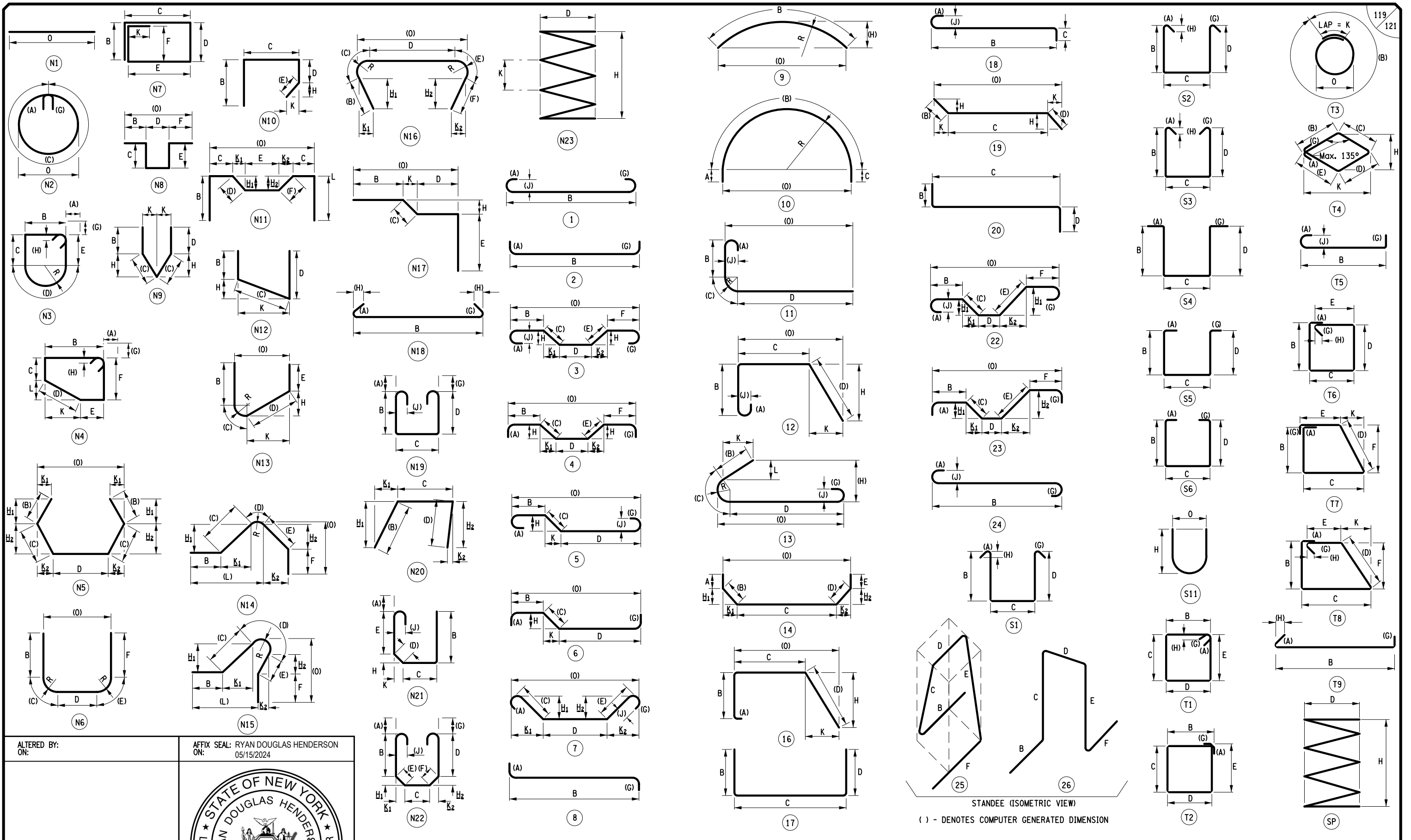
Engineering and Land Surveying, P.C.

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEWYORK DIVISION MILEPOSTS 29.54 AND MP 29.41	DATE: 05/21/2024
TITLE OF DRAWING STEEL REPAIR DETAILS (2 OF 2)	DRAWING NUMBER: ST2-47

BIN 5040109 MP 29.54

FILE NAME = DATE/TIME = 15-MAY-2024 2:13 USER = jmpx11-pr-svc

DESIGN SUPERVISOR DESIGN CHECK DRAFTING CHECK



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ALTERED BY:
ON:

AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON: 05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING BAR BENDING DIAGRAM	DRAWING NUMBER: ST2-48

FILE NAME = DATE/TIME = 15-MAY-2024 2:13 USER = jmtpr11-pr-svc DESIGN SUPERVISOR R. HENDERSON T. BENINATI CHECK R. HENDERSON DRAFTING R. DAUGHER CHECK R. HENDERSON

Table with columns: MARK, NO., LENGTH, TYPE, WEIGHT, A, B, C, D, E, F, G, H/H1, H2, J, K/K1, K2, L, O, R. Includes subtotals for Epoxy Bars and stages 2, 3, 4.

Table with columns: MARK, NO., LENGTH, TYPE, WEIGHT, A, B, C, D, E, F, G, H/H1, H2, J, K/K1, K2, L, O, R. Includes subtotals for Epoxy Bars and stages 4, 5.

ALTERED BY: ON: AFFIX SEAL: RYAN DOUGLAS HENDERSON ON: 05/15/2024. Includes professional engineer seal for Ryan Douglas Henderson, State of New York, License No. 082023.

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Table with columns: DATE, DESCRIPTION, BY, SYM. Header: REVISIONS.

NEW YORK STATE OF OPPORTUNITY Thruway Authority logo and JMT logo.

METADATA: TITLE OF PROJECT, ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER, LOCATION OF PROJECT, MILEPOSTS 29.54 AND 29.41, TITLE OF DRAWING: BAR LIST (1 OF 2), CONTRACT NUMBER: TANY 24-26B, DATE: 05/15/2024, DRAWING NUMBER: ST2-49, BIN 5040109 MP 29.54.


MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R
NB LEFT BARRIER																			
5BG1	25	6-2	N15	160		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
5BG2	337	6-5	13	2244		3-0	0-8 3/4	2-7 3/4			0-0	1-1 1/2		0-0	2-11 1/4		0-7 1/2	2-10 3/4	0-3
5BG3	9	5-3	13	49		2-2 3/4	0-9 1/2	2-2 3/4			0-0	0-6		0-0	2-2 3/4		0-0	2-5 3/4	0-3
5BE4	21	5-3	13	115		2-2 3/4	0-9 1/2	2-2 3/4			0-0	0-6		0-0	2-2 3/4		0-0	2-5 3/4	0-3
5BE5	21	1-8	N1	37															1-8
5BE6	4	2-3	N1	9															2-3
6BE8	21	1-8	N1	53															1-8
6BE9	4	1-8	19	10		0-0	1-0 1/4	0-7 3/4				0-0	0-3 3/4		0-0	0-6 3/4		1-6 3/4	
6BE10	4	1-12	19	12		0-0	1-0 1/4	0-11 1/2				0-0	0-1 1/4		0-0	0-11 1/2		1-11 1/2	
7BG11	48	60-0	N1	5887															60-0
7BG12	12	18-1	N1	444															18-1
7BE16	12	10-1	N1	247															10-1
SUBTOTAL EPOXY BARS				482 LB	THIS POUR														
SUBTOTAL GALV. BARS				8783 LB	THIS POUR														
NB RIGHT BARRIER																			
5BG1	43	6-2	N15	274		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
5BG2	322	6-5	13	2144		3-0	0-8 3/4	2-7 3/4			0-0	1-1 1/2		0-0	2-11 1/4		0-7 1/2	2-10 3/4	0-3
5BE6	34	2-3	N1	80															2-3
5BE7	34	6-2	N15	217		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
6BE9	34	1-8	19	84		0-0	1-0 1/4	0-7 3/4				0-0	0-3 3/4		0-0	0-6 3/4		1-6 3/4	
6BE10	34	1-12	19	101		0-0	1-0 1/4	0-11 1/2				0-0	0-1 1/4		0-0	0-11 1/2		1-11 1/2	
7BG11	48	60-0	N1	5887															60-0
7BG13	12	15-8	N1	384															15-7 3/4
7BE17	12	21-11	N1	538															21-11
SUBTOTAL EPOXY BARS				1020 LB	THIS POUR														
SUBTOTAL GALV. BARS				8689 LB	THIS POUR														
SB LEFT BARRIER																			
5BG1	43	6-2	N15	274		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
5BG2	305	6-5	13	2031		3-0	0-8 3/4	2-7 3/4			0-0	1-1 1/2		0-0	2-11 1/4		0-7 1/2	2-10 3/4	0-3
5BE6	56	2-3	N1	131															2-3
5BE7	56	6-2	N15	357		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
6BE9	56	1-8	19	139		0-0	1-0 1/4	0-7 3/4				0-0	0-3 3/4		0-0	0-6 3/4		1-6 3/4	
6BE10	56	1-12	19	167		0-0	1-0 1/4	0-11 1/2				0-0	0-1 1/4		0-0	0-11 1/2		1-11 1/2	
7BG11	48	60-0	N1	5887															60-0
7BG14	12	5-1	N1	124															5-0 1/2
7BE18	12	3-8	N1	90															3-8
7BE19	12	32-6	N1	797															32-6
SUBTOTAL EPOXY BARS				1682 LB	THIS POUR														
SUBTOTAL GALV. BARS				8316 LB	THIS POUR														
SB RIGHT BARRIER																			
5BG1	22	6-2	N15	140		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
5BG2	590	6-5	13	3928		3-0	0-8 3/4	2-7 3/4			0-0	1-1 1/2		0-0	2-11 1/4		0-7 1/2	2-10 3/4	0-3
5BG3	9	5-3	13	49		2-2 3/4	0-9 1/2	2-2 3/4			0-0	0-6		0-0	2-2 3/4		0-0	2-5 3/4	0-3
5BE4	17	5-3	13	93		2-2 3/4	0-9 1/2	2-2 3/4			0-0	0-6		0-0	2-2 3/4		0-0	2-5 3/4	0-3
5BE5	17	1-8	N1	30															1-8
5BE6	7	2-3	N1	16															2-3
5BE7	7	6-2	N15	45		0-0	3-2 1/4	0-10	0-6 1/4	1-7		3-1 3/4	0-6		0-6	0-2	0-9 3/4	2-5	0-3
6BE8	17	1-8	N1	43															1-8
6BE9	7	1-8	19	17		0-0	1-0 1/4	0-7 3/4				0-0	0-3 3/4		0-0	0-6 3/4		1-6 3/4	
6BE10	7	1-12	19	21		0-0	1-0 1/4	0-11 1/2				0-0	0-1 1/4		0-0	0-11 1/2		1-11 1/2	

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K/K1	K2	L	O	R
7BG11	84	60-0	N1	10302															60-0
7BG15	12	15-2	N1	371															15-1 3/4
7BE18	12	3-8	N1	90															3-8
7BE20	12	7-8	N1	188															7-8
SUBTOTAL EPOXY BARS				542 LB	THIS POUR														
SUBTOTAL GALV. BARS				14792 LB	THIS POUR														
NB STAGE 2 BEG APPROACH																			
AVG.																			
5AE1	6	24-1	N1	150															24-0 1/2
5AE1	0	VARIABLES	FROM			21-8	TO	26-5		(1 SET OF 6)									
5AE2	6	40-0	N1	250															40-0
SUBTOTAL EPOXY BARS				401 LB	THIS POUR														
NB STAGE 2 END APPROACH																			
AVG.																			
5AE1	6	45-7	N1	285															45-6 1/2
5AE1	0	VARIABLES	FROM			39-9	TO	51-4		(1 SET OF 6)									
5AE2	6	40-0	N1	250															40-0
SUBTOTAL EPOXY BARS				535 LB	THIS POUR														
NB STAGE 3 BEG APPROACH																			
AVG.																			
5AE1	6	42-2	N1	264															42-2
5AE1	0	VARIABLES	FROM			39-8	TO	44-8		(1 SET OF 6)									
SUBTOTAL EPOXY BARS				264 LB	THIS POUR														
NB STAGE 3 END APPROACH																			
AVG.																			
5AE1	6	20-9	N1	130															20-9
5AE1	0	VARIABLES	FROM			15-0	TO	26-6		(1 SET OF 6)									
SUBTOTAL EPOXY BARS				130 LB	THIS POUR														
SB STAGE 4 BEG APPROACH																			
AVG.																			
5AE1	6	24-3	N1	151															24-2 1/2
5AE1	0	VARIABLES	FROM			21-10	TO	26-7		(1 SET OF 6)									
5AE2	6	40-0	N1	250															40-0
SUBTOTAL EPOXY BARS				402 LB	THIS POUR														
SB STAGE 5 BEG APPROACH																			
AVG.																			
5AE1	6	37-5	N1	234															37-5
5AE1	0	VARIABLES	FROM			34-10	TO	40-0		(1 SET OF 6)									
5AE2	6	40-0	N1	250															40-0
SUBTOTAL EPOXY BARS				484 LB	THIS POUR														

FILE NAME = USER = jmtpe11-pr-svc DATE/TIME = 15-MAY-2024 2:13 DESIGN SUPERVISOR R. HENDERSON CHECK T. BENINATI DRAFTING R. DAUCHER CHECK R. HENDERSON

ALTERED BY:
ON:




AFFIX SEAL: RYAN DOUGLAS HENDERSON
ON:
05/15/2024



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

BIN 5040109 MP 29.54

TITLE OF PROJECT REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.) AND MAHWAH RIVER	CONTRACT NUMBER: TANY 24-26B
LOCATION OF PROJECT NEW YORK DIVISION MILEPOSTS 29.54 AND 29.41	DATE: 05/15/2024
TITLE OF DRAWING BAR LIST (2 OF 2)	DRAWING NUMBER: ST2-50