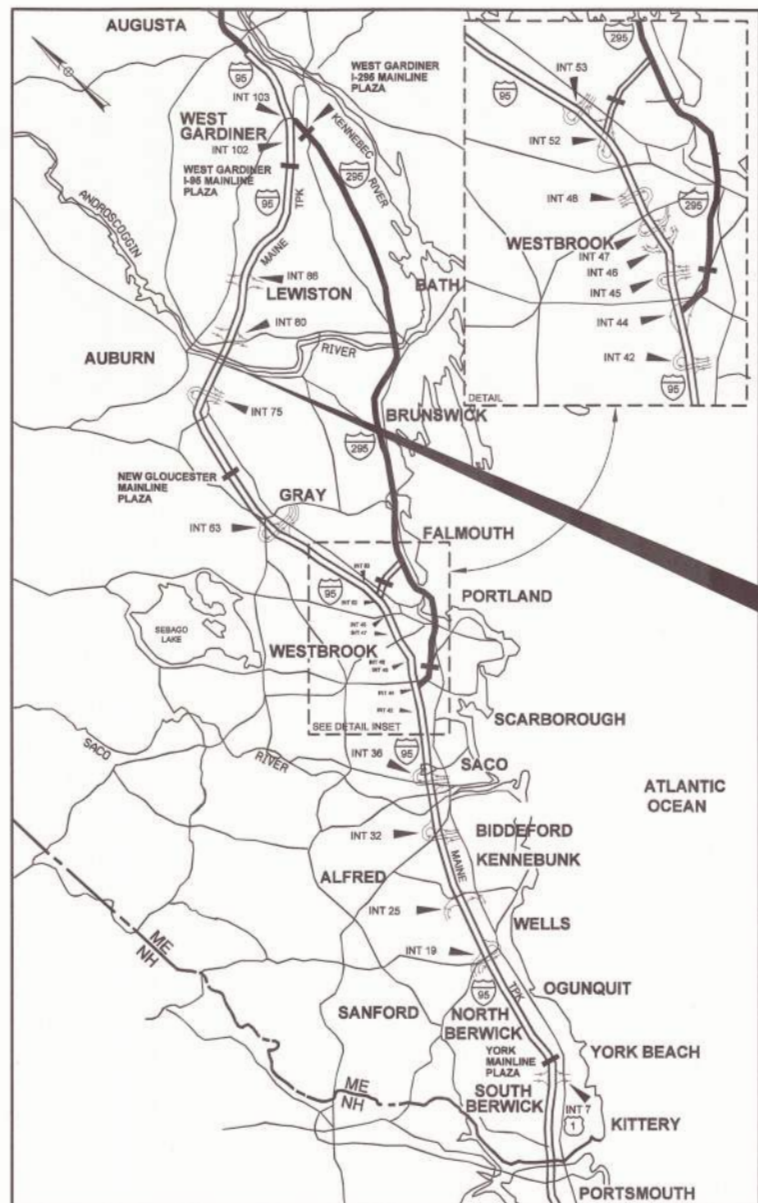


Date: 1/13/2025

Filename: 001_Title Sheet.dgn



LOCATION MAP



THE GOLD STAR MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

MICHAEL J. CIANCHETTE, CHAIR
 JANE L. LINCOLN, VICE CHAIR
 THOMAS J. ZUKE, MEMBER
 ANDREW MCLEAN, MEMBER
 NINA A. FISHER, MEMBER
 BRUCE A. VAN NOTE, MEMBER EX-OFFICIO

PETER S. MERFELD, INTERIM EXECUTIVE DIRECTOR

CONTRACT 2025.06 BRIDGE REPAIR ANDROSCOGGIN RIVER OVERPASS MILE MARKER 78.9

INDEX OF SHEETS

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| 2 | ESTIMATED QUANTITIES |
| 3 | GENERAL NOTES AND EARTHWORK SUMMARY |
| 4-6 | TYPICAL SECTIONS AND DETAILS |
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| 19 | GENERAL PLAN |
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| 80 | ALUMINUM RAILING DETAILS (1-BAR) |
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CONTRACT 2025.06

APPROVED: MAINE TURNPIKE AUTHORITY

Stephen R. Tartre
 STEPHEN R. TARTRE - CHIEF ENGINEER/DIRECTOR OF ENGINEERING

1/13/25
 DATE

HNTB



Timothy R. Cotte
 TIMOTHY R. COTTE
 VICE PRESIDENT/PROJECT DIRECTOR

1/13/2025
 DATE

Date: 1/15/2025

Filename: 002_Estimated Quantities.dgn

| ESTIMATED QUANTITIES | | | |
|----------------------|--|------|----------|
| ITEM NO. | ITEM DESCRIPTION | UNIT | QUANTITY |
| 202.12 | REMOVING EXISTING STRUCTURAL CONCRETE | CY | 49 |
| 202.202 | REMOVING PAVEMENT SURFACE - MAINLINE | SY | 11,700 |
| 202.205 | RUMBLE STRIPS - SHOULDER | LF | 9,000 |
| 202.206 | REMOVING RUMBLE STRIPS | LF | 5,650 |
| 203.20 | COMMON EXCAVATION | CY | 350 |
| 304.10 | AGGREGATE SUBBASE COURSE - GRAVEL | CY | 80 |
| 304.14 | AGGREGATE BASE COURSE - TYPE A | CY | 150 |
| 403.207 | HOT MIX ASPHALT, 19.0 MM NOMINAL MAXIMUM SIZE | Ton | 190 |
| 403.208 | HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE | Ton | 1,050 |
| 403.2101 | HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE (POLYMER MODIFIED) | Ton | 490 |
| 403.211 | HOT MIX ASPHALT (SHIM) | Ton | 30 |
| 409.15 | BITUMINOUS TACK COAT, APPLIED | Gal | 570 |
| 502.219 | STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (18 CY) | LS | 1 |
| 502.261 | STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLAB ON STEEL BRIDGES (16 CY) | LS | 1 |
| 502.264 | STRUCTURAL CONCRETE REPAIRS, PARAPET (15 CY) | LS | 1 |
| 503.14 | EPOXY-COATED REINFORCING STEEL, FABRICATED AND DELIVERED | LB | 12,000 |
| 503.15 | EPOXY-COATED REINFORCING STEEL, PLACING | LB | 12,000 |
| 504.885 | POST-TENSIONING SLEEVE REPLACEMENT | EA | 7 |
| 504.886 | POST-TENSIONING SLEEVE REPAIR | EA | 37 |
| 507.095 | ALUMINUM BRIDGE RAILING POST REPLACEMENT | EA | 2 |
| 507.811 | ALUMINUM BRIDGE RAIL, 1 BAR - REPAIR | LF | 152 |
| 508.14 | HIGH PERFORMANCE WATERPROOFING MEMBRANE (34 SY) | LS | 1 |
| 508.15 | MEMBRANE WATERPROOFING (58 SY) | LS | 1 |
| 514.06 | CURING BOX FOR CONCRETE CYLINDERS | EA | 1 |
| 515.202 | CLEAR PROTECTIVE COATING FOR CONCRETE SURFACES | SY | 2,650 |
| 518.39 | GRANITE CURB JOINT MORTAR REPAIR | LF | 430 |
| 518.40 | EPOXY INJECTION CRACK REPAIR | LF | 100 |
| 518.43 | PARAPET JOINT REPAIR | LF | 1,300 |
| 518.51 | REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 INCHES | SF | 60 |
| 518.60 | REPAIR OF VERTICAL SURFACE < 8 INCHES | SF | 60 |
| 518.611 | FULL DEPTH CONCRETE REPAIRS - PARAPETS | CY | 19 |
| 522.06 | MODULAR EXPANSION DEVICES | EA | 4 |
| 524.45 | PROTECTIVE SHIELDING - MEDIAN (27 PANELS) | LS | 1 |
| 524.46 | PROTECTIVE SHIELDING - OUTSIDE (30 PANELS) | LS | 1 |
| 526.306 | TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY AUTHORITY (5,750 LF) | LS | 1 |
| 527.341 | WORK ZONE CRASH CUSHIONS, TL-3 | UN | 2 |
| 603.1515 | SLOTTED DRAIN | LF | 1,400 |
| 603.155 | 12 INCH RCP CLASS III | LF | 12 |
| 604.18 | ADJUSTING MANHOLE OR CATCH BASIN TO GRADE | EA | 9 |
| 604.248 | CATCH BASIN TYPE F6 | EA | 1 |
| 604.40 | SECURE CATCH BASIN GRATE | EA | 10 |
| 606.1723 | BRIDGE TRANSITION - TYPE III | EA | 2 |
| 606.1724 | BRIDGE TRANSITION - TYPE III MODIFIED | EA | 2 |
| 606.24 | GUARDRAIL TYPE 3D - SINGLE RAIL | LF | 50 |
| 606.3561 | DELINEATOR POSTS - REMOVE AND RESET | EA | 4 |
| 606.64 | GUARDRAIL THRIE BEAM - DOUBLE RAIL | LF | 1,850 |
| 606.701 | ASYMMETRICAL THRIE BEAM TRANSITION | EA | 4 |
| 627.712 | WHITE OR YELLOW PAVEMENT MARKING LINES | LF | 8,900 |
| 627.73 | TEMPORARY 6" PAVEMENT MARKING TAPE, WHITE OR YELLOW | LF | 59,700 |
| 627.731 | TEMPORARY 6" BLACK PAVEMENT MARKING TAPE | LF | 29,500 |
| 629.05 | HAND LABOR, STRAIGHT TIME | HR | 20 |
| 631.10 | AIR COMPRESSOR (INCLUDING OPERATOR) | HR | 10 |
| 631.11 | AIR TOOL (INCLUDING OPERATOR) | HR | 10 |
| 631.12 | ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR) | HR | 10 |
| 631.172 | TRUCK - LARGE (INCLUDING OPERATOR) | HR | 20 |
| 631.36 | FOREMAN | HR | 10 |
| 639.18 | FIELD OFFICE, TYPE A | EA | 1 |
| 644.10 | GLARE SCREEN | LF | 1,950 |
| 652.30 | FLASHING ARROW | EA | 2 |
| 652.33 | DRUM | EA | 160 |
| 652.34 | CONE | EA | 50 |
| 652.35 | CONSTRUCTION SIGNS | SF | 680 |
| 652.361 | MAINTENANCE OF TRAFFIC CONTROL DEVICES | LS | 1 |
| 652.41 | PORTABLE-CHANGEABLE MESSAGE SIGN | EA | 2 |
| 659.10 | MOBILIZATION | LS | 1 |

Scale:

Designed by:



HNTB CORPORATION
 82 Running Hill Road, Suite 201
 South Portland, ME 04106
 TEL (207) 774-5155
 FAX (207) 228-0909



THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

QUANTITIES

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |
| | | | |
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|--|----------|-------------|--------------|-----|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| | Designed | PDB 01\2025 | Checked | CDH | 01\2025 |
| | Drawn | ERB 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

SHEET NUMBER: EQ-01

2 OF 81

Date: 1/15/2025

GENERAL NOTES

- ALL DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MDOT) STANDARD DETAILS HIGHWAYS AND BRIDGES LATEST REVISION AND MDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS.
- ALL EXISTING FLEXIBLE DELINEATORS SHALL BE REMOVED AND RESET UPON COMPLETION OF THE CONTRACT. PAYMENT FOR RESETTING GUARDRAIL DELINEATOR POSTS WILL BE MADE UNDER ITEM 606.3561.
- THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT FOR APPROVAL PRIOR TO STARTING WORK.
- RIGHT OF WAY AND PROPERTY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ADDITIONAL INFORMATION IS AVAILABLE FROM THE MAINE TURNPIKE AUTHORITY UPON REQUEST.
- WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE AND IN ACCORDANCE WITH ALL ENVIRONMENTAL REGULATIONS.
- EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 192.6.65D-652 (CONSTRUCTION STANDARDS FOR EXCAVATION).
- EXISTING PAVEMENT THICKNESS HAS BEEN ESTIMATED TO BE 10 INCHES ON MAINLINE BRIDGE APPROACHES FOR ALL REMOVAL OF EXISTING PAVEMENT.
- FILL/BORROW SHALL BE COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR, EXCEPT AS AMENDED BY SPECIAL PROVISION 203. GRANULAR BORROW AND AGGREGATE SHALL BE COMPACTED TO 95% OF THEIR MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR, EXCEPT AS AMENDED BY SPECIAL PROVISION 203.
- MATERIALS AND EQUIPMENT SHALL NOT BE STORED UNDER OR IN CLOSE PROXIMITY TO HIGHWAY STRUCTURES UNLESS THE CONTRACTOR RECEIVES WRITTEN PERMISSION FROM THE AUTHORITY.
- EXISTING CITY LIMIT SIGNS AND RIVER DESIGNATION SIGNS AT EACH BRIDGE ABUTMENT (4 TOTAL) SHALL BE REMOVED AND RESET AS DIRECTED BY THE RESIDENT. PAYMENT FOR REMOVAL AND REINSTALLATION OF EXISTING SIGNS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO SEPARATE PAYMENT WILL BE MADE.
- COPIES OF THE AS-BUILT PLANS ARE POSTED ON THE MAINE TURNPIKE AUTHORITY WEBSITE AT WWW.MAINETURNPIKE.COM/PROJECTS/CONSTRUCTION-CONTRACTS. THE COMPLETENESS AND ACCURACY OF THESE PLANS IS NOT GUARANTEED.
- CHAMFER ALL EXPOSED NEW CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

UTILITY NOTES

- EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM EXISTING PLANS AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO THE START OF WORK. ALL PROPOSED SIGN AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAFE TICKETS WITHIN 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATOR COORDINATION.
- THE CONTRACTOR SHALL NOTIFY ALL NON-MEMBERS THROUGH WWW.OKTODIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. ALL PROPOSED SIGN AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL NON-MEMBER NOTIFICATIONS WITHIN 24 HOURS OF THEIR RELEASE
- THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 CALENDAR DAYS PRIOR TO SUBMITTING ANY UTILITY LOCATE REQUESTS AS NOTED ABOVE SO THAT THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED SIGN AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS UNDERGROUND UTILITIES.
- FOLLOWING THE COMPLETION OF THE INITIAL UTILITY LOCATE THE CONTRACTOR WILL GPS LOCATE ALL UTILITIES WITHIN THE PROJECT LIMITS AND PROVIDE A COPY OF THE DIG SAFE RECORDS TO THE AUTHORITY. THE CONTRACTOR, ACTING AS THE AUTHORITY'S THIRD-PARTY LOCATOR, SHALL BE RESPONSIBLE FOR REMARKING ALL MAINE TURNPIKE FACILITIES WHEN A DIG SAFE UTILITY IS CALLED FOR THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

DRAINAGE NOTES

- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT APPROVAL OF THE RESIDENT.
- ALL DITCH ELEVATIONS AND OFFSETS SHOWN ON THE CROSS SECTIONS ARE FOR THE FINISHED DITCH FLOW LINE.
- SLOTTED DRAINS SHALL TIE INTO EXISTING BASINS PER MANUFACTURES SPECIFICATIONS AND SHALL BE INCIDENTAL TO THE PROPOSED SLOTTED DRAIN PAY ITEM. ANY NECESSARY CORING OF EXISTING CATCH BASINS TO TAKE A PROPOSED PIPE SHALL ALSO BE INCIDENTAL TO THE PROPOSED SLOTTED DRAIN ITEM.
- CATCH BASIN GRATES THAT WILL CARRY TRAFFIC DURING MOT OPERATIONS SHALL BE SECURED AS NOTED IN THE SPECIAL PROVISIONS.

EROSION CONTROL

- ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES, ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT.
- ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.

PAVEMENT NOTES

- EXISTING RUMBLE STRIPS NOT OTHERWISE REMOVED DURING SHOULDER MILLING SHALL BE REMOVED BY MILLING 1/2" DEEP BY 18" WIDE FOR THE LENGTH OF REMAINING RUMBLE STRIPS. THE MILLED SURFACE SHALL BE TREATED WITH BITUMINOUS TACK AND FILLED WITH 9.5MM HOT MIX ASPHALT AS DETAILED IN SPECIAL PROVISION 202. PAYMENT WILL BE MADE UNDER ITEM 202.202 REMOVING PAVEMENT SURFACE - MAINLINE AND 403.211 HMA, 9.5MM, AND 409.15 BITUMINOUS TACK COAT.
- BITUMINOUS TACK COAT IS REQUIRED BETWEEN ALL LIFTS OF PAVEMENT. BITUMINOUS TACK COAT IS REQUIRED ON ALL EXISTING PAVED OR MILLED SURFACES PRIOR TO PLACING PROPOSED PAVEMENT.
- A COATING OF HOT RUBBERIZED ASPHALT SHALL BE APPLIED TO SURFACE LAYER OF ALL SAWCUT AND PAVEMENT JOINTS PRIOR TO PAVING. REMAINDER OF SAWCUT TO BE BITUMINOUS TACK COAT. PAYMENT SHALL BE INCIDENTAL TO PAVEMENT ITEMS.
- CROWNS FOR ALL COURSES OF PAVEMENT SHALL BE STRAIGHT.
- PAVEMENT DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
- JOINTS SHALL BE CONSTRUCTED AS THE "NOTCHED WEDGE" TYPE.
- FINAL PAVEMENT MARKINGS SHALL MATCH ORIGINAL LAYOUT.

MATERIALS

CONCRETE

PARAPET CONCRETE REPAIRS SHALL BE PER SPECIAL PROVISION 518. DECK END REPLACEMENT SHALL BE CLASS AAA DECK. BACKWALL REPLACEMENT CONCRETE SHALL BE CLASS AAA.

REINFORCING STEEL

AASHTO M31, GRADE 60. ALL REINFORCING SHALL BE EPOXY-COATED.

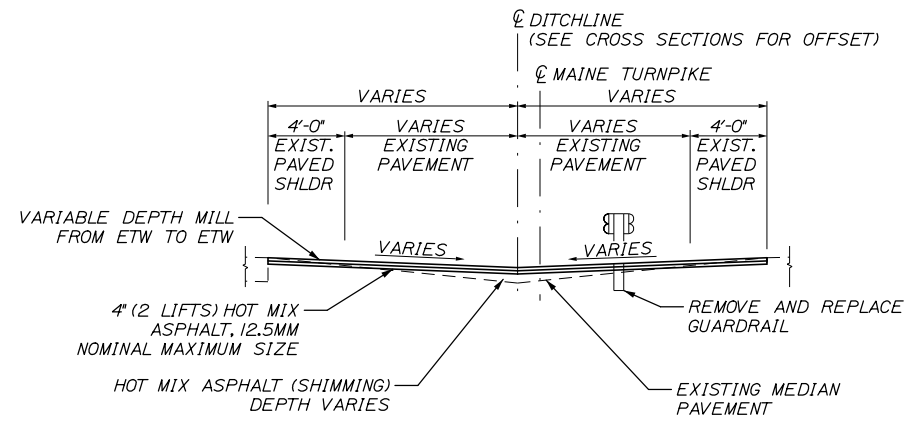
LIST OF ABBREVIATIONS

| | | | |
|-------------------------|--|--|--|
| ABUT. - ABUTMENT | EA. - EACH | MTA - MAINE TURNPIKE AUTHORITY | SP. - SPACES |
| ADDL. - ADDITIONAL | EB - EASTBOUND | NB - NORTHBOUND | STA. - STATION |
| ALT. - ALTERNATE | E.F. - EACH FACE | N.F. - NEAR FACE | T.&B. - TOP & BOTTOM |
| APPROX. - APPROXIMATELY | EL. - ELEVATION | N.T.S. - NOT TO SCALE | TPKE. - TURNPIKE |
| B - BASELINE | EQ. - EQUAL | PED. - PEDESTAL | TSYLL - TEMPORARY SOLID YELLOW LANE LINE |
| BOT. - BOTTOM | EXIST. - EXISTING | PGL - PROFILE GRADE LINE | TSWLL - TEMPORARY SOLID WHITE LANE LINE |
| BRG. - BEARING | EXP. - EXPANSION | P - PLATE | TYP. - TYPICAL |
| CL. - CLEAR | F.F. - FAR FACE | PROP. - PROPOSED | U.O.N. - UNLESS OTHERWISE NOTED |
| CL - CENTERLINE | JT. - JOINT | P.S.I. - POUNDS per SQUARE INCH | VERT. - VERTICAL |
| CONC. - CONCRETE | MAX. - MAXIMUM | MEDOT - MAINE DEPARTMENT OF TRANSPORTATION | WB - WESTBOUND |
| CONSTR. - CONSTRUCTION | MEDOT - MAINE DEPARTMENT OF TRANSPORTATION | MIN. - MINIMUM | W.P. - WORKING POINT |
| C.Y. - CUBIC YARD | MIN. - MINIMUM | | WW - WINGWALL |
| DEMO. - DEMOLITION | | | |
| DIA. - DIAMETER | | | |

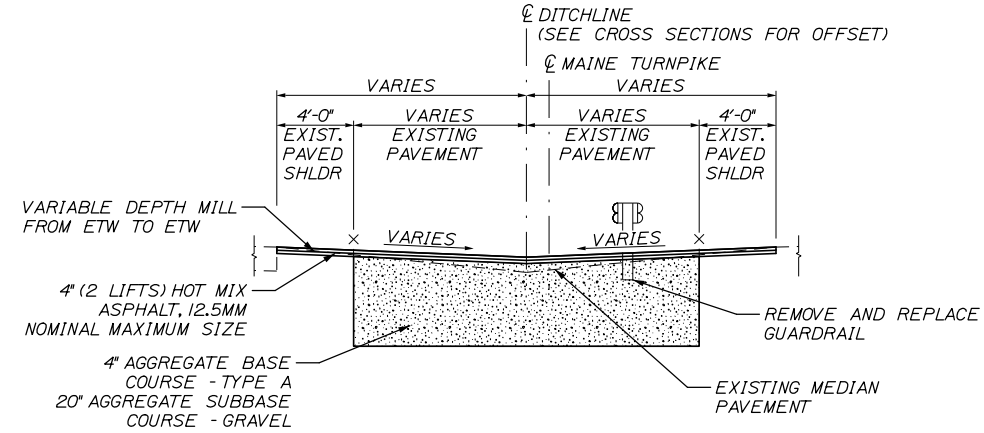
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| Scale: | | Designed by: | | | | | | | HNTB CORPORATION 82 Running Hill Road, Suite 201 South Portland, ME 04106 TEL (207) 774-5155 FAX (207) 228-0909 | | | THE GOLD STAR MEMORIAL HIGHWAY | | | ANDROSCOGGIN RIVER OVERPASS BRIDGE REPAIR GENERAL NOTES AND EARTHWORK SUMMARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| No. | Revision | By | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| By | Date | By | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | SHEET NUMBER: GN-01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 3 OF 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

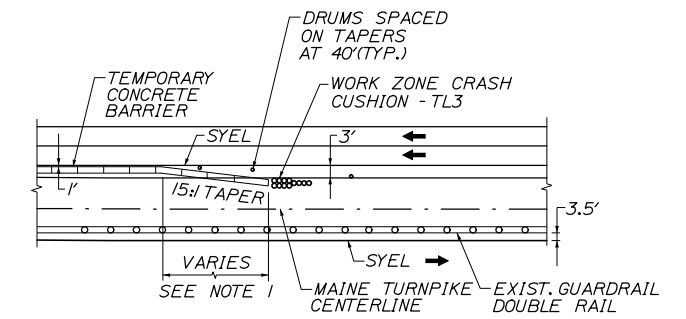
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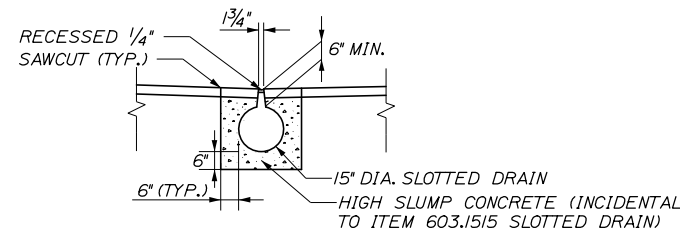
MEDIAN CROSSOVER TYPICAL



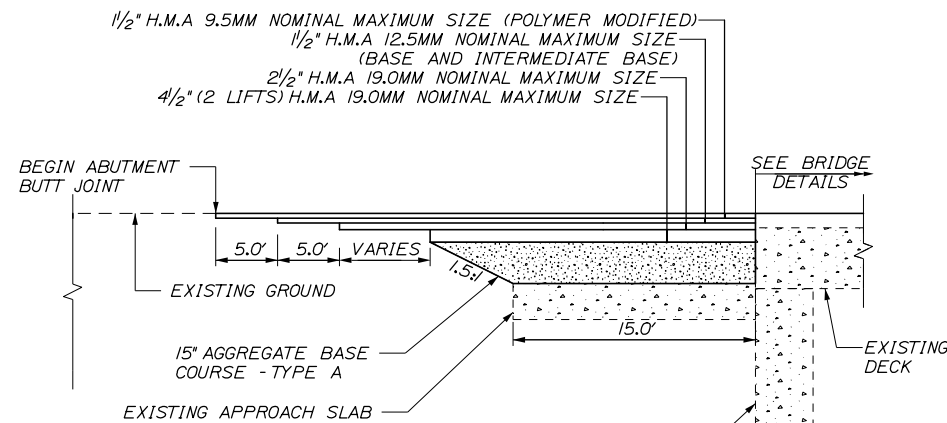
MEDIAN CROSSOVER FULL DEPTH TYPICAL



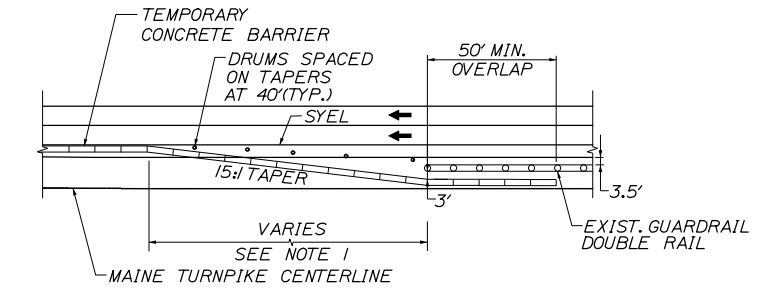
EXIST. GUARDRAIL ON FAR SIDE OF MEDIAN



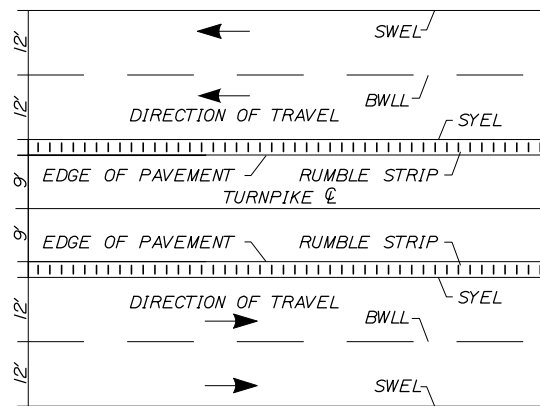
SLOTTED DRAIN TYPICAL



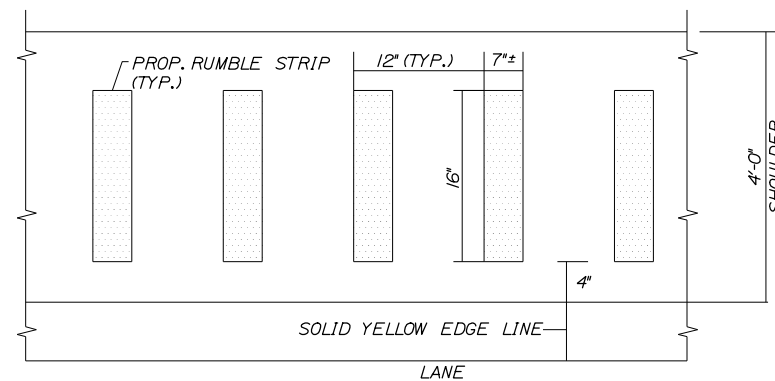
PAVEMENT TRANSITION DETAIL



EXIST. GUARDRAIL ON NEAR SIDE OF MEDIAN



MEDIAN LOCATION OF RUMBLE STRIPS



LANE PLAN VIEW



SECTION A-A

NOTES:

1. 15:1 MINIMUM TAPER. TAPERED BARRIER LENGTH IS DEPENDENT ON LOCATION OF BARRIER RELATIVE TO MAINE TURNPIKE SHOULDERS OR LANES

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| Designed by: | | | | | |
| HNTB | | | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| | BRG | 01\2025 | Checked | GLT | 01\2025 |
| | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

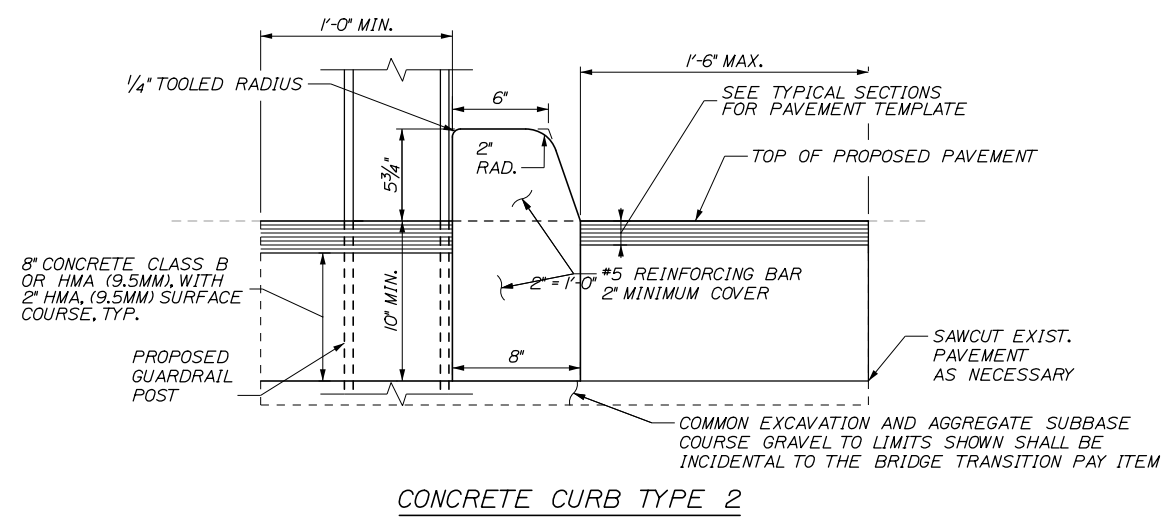
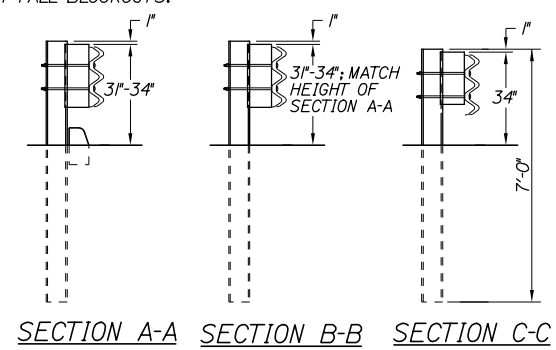
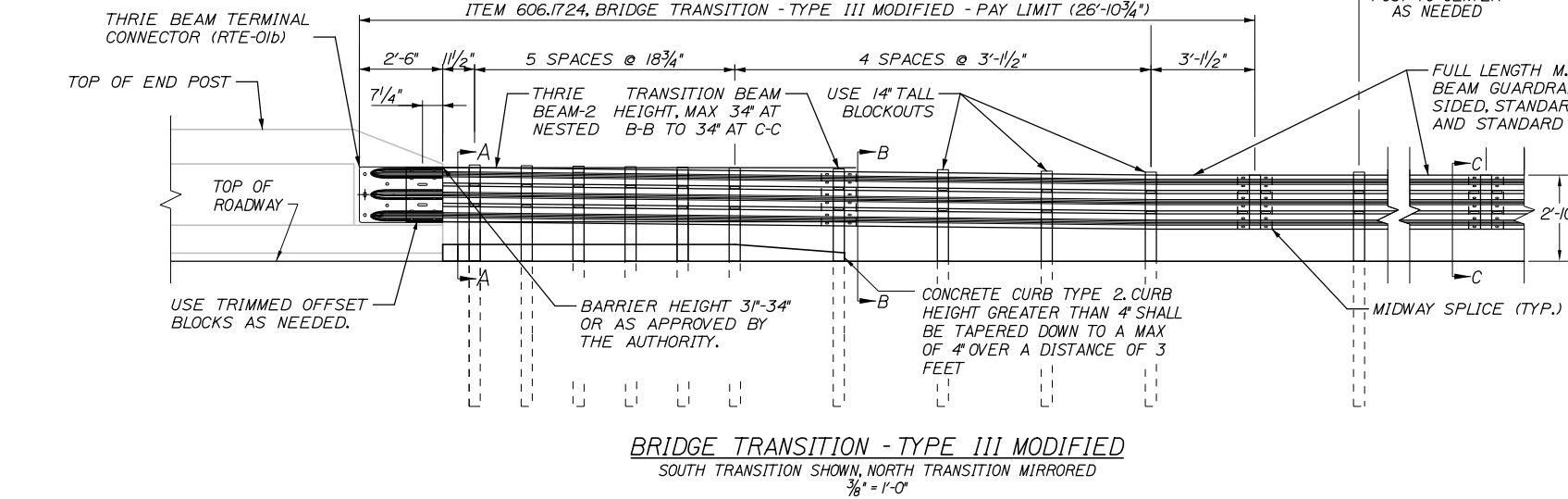
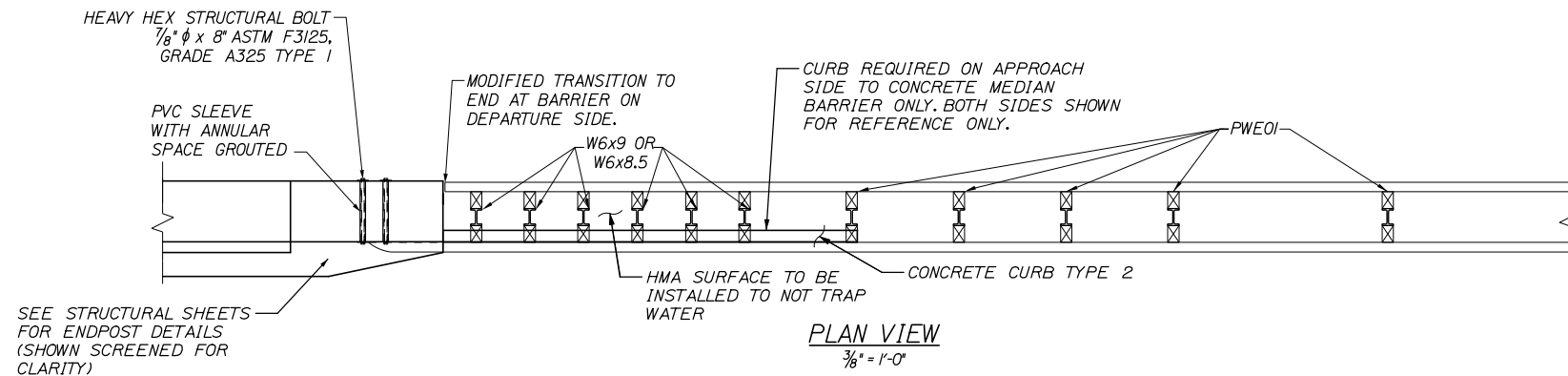
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 TYPICALS SECTION
 AND DETAILS

SHEET NUMBER: TYP-01
 4 OF 81

CONTRACT: 2025.06

Date: 1/15/2025



GUARDRAIL NOTES:

1. THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTION FOR THE INSTALLATION AND/OR MODIFICATION OF ANY AND ALL GUARDRAIL COMPONENTS TO BE INSTALLED OR MODIFIED UNDER THIS CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT IF THE CONTRACTOR DISCOVERS CONFLICTS OR IRREGULARITIES OF ANY SORT BETWEEN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THESE CONTRACT DOCUMENTS.
2. THE CONTRACTOR IS REQUIRED TO HAVE AN APPROVED CRASH WORTHY END TREATMENT ON ALL GUARDRAIL ENDS IN ALL WORK AREAS AT THE END OF EACH DAY. THE CONTRACTOR SHALL ENSURE THAT ENOUGH TIME EXISTS IN THE WORK DAY TO COMPLETE ALL MODIFICATION AND/OR INSTALLATIONS TO END TERMINALS. THE CONTRACTOR SHALL ENSURE THAT ALL PARTS AND MANPOWER ARE ON-SITE PRIOR TO UNDERTAKING ANY GUARDRAIL MODIFICATIONS. A WORK ZONE CRASH CUSHION - TL3 MUST BE FOUNDED ON A LEVEL SURFACE. ANY WORK NECESSARY TO PROVIDE A LEVEL SURFACE WILL BE INCIDENTAL TO THE CRASH CUSHION ITEM.
3. THRIE BEAM GUARDRAIL HEIGHT SHALL BE INSTALLED OR ADJUSTED TO 34\"/>

CURB NOTES:

1. CURBING SHALL BE EITHER PRECAST CONCRETE, CAST-IN-PLACE CONCRETE OR GRANITE TO MEET DIMENSIONS SHOWN ON THE PLANS.
2. CONCRETE CURBS USED IN CONJUNCTION WITH THRIE-BEAM BRIDGE TRANSITION SHALL BE TYPE 2. SEE DETAILS THIS SHEET. CONCRETE CURBS SHALL BE SET TO FORM A CONTINUOUS GUTTERLINE WITHOUT ANY DRAINAGE OPENINGS.
3. CURB TRANSITION SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCIDENTAL TO THE BRIDGE TRANSITION PAY ITEM.
4. SAWCUTTING EXISTING PAVEMENT, CONCRETE FILL, AND PAVEMENT TO LIMITS SHOWN SHALL BE INCIDENTAL TO THE BRIDGE TRANSITION PAY ITEM.

Filename: 005_GR_Typical.dgn

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| No. | Revision | By | Date |
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

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| By | Date | By | Date |
| Designed | PDB 01\2025 | Checked | CDH 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | BRG 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

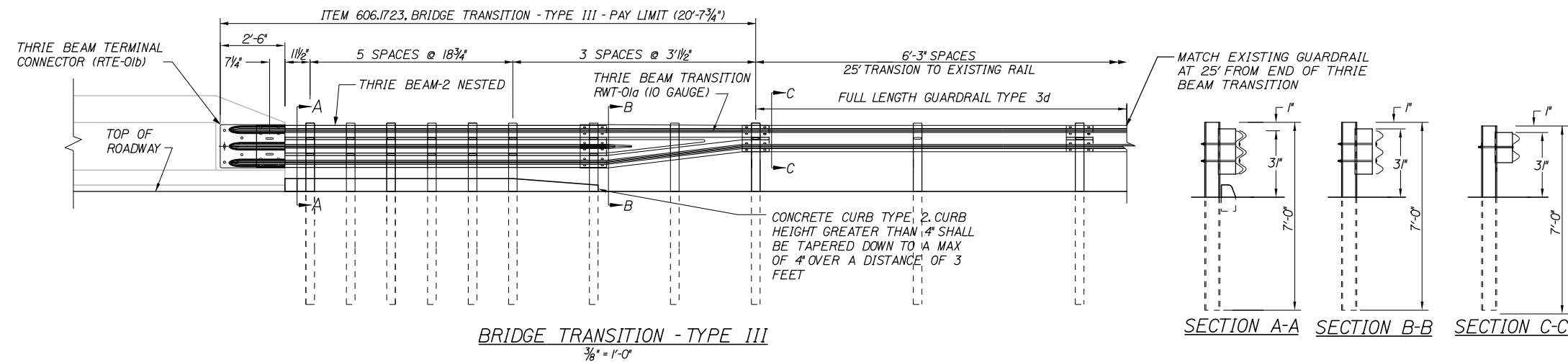
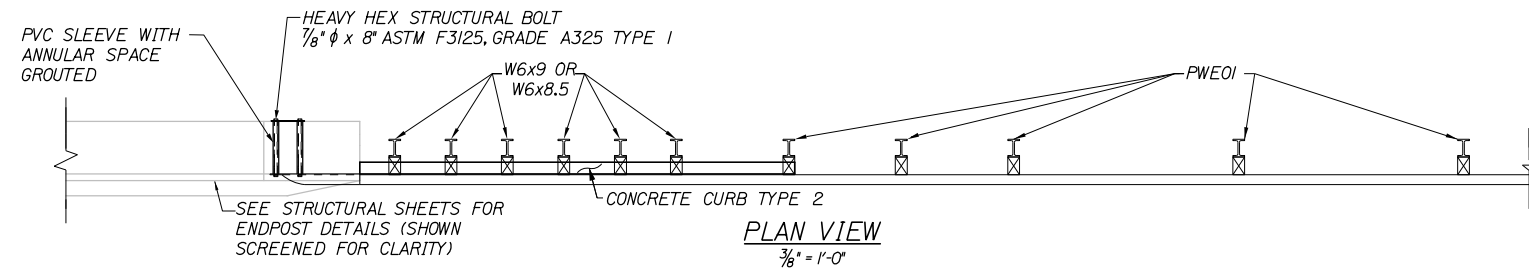
GUARDRAIL DETAILS

SHEET NUMBER: TYP-02

CONTRACT: 2025.06

5 OF 81

Date: 1/15/2025



GUARDRAIL NOTES:

1. GUARDRAIL TYPE 3d HEIGHT SHALL BE INSTALLED OR ADJUSTED TO 3' ± 0.1" HEIGHT. GUARDRAIL HEIGHT SHALL BE MEASURED FROM THE EDGE OF PAVEMENT WHEN WITHIN 2 FEET. IF GUARDRAIL IS OFFSET FROM EDGE OF PAVEMENT GREATER THAN 2 FEET, THEN HEIGHT OF RAIL SHALL BE MEASURED AT GROUND ELEVATION ADJACENT TO EACH POST BELOW THE RAIL TO THE TOP OF GUARDRAIL AND AFTER FINAL GRADING OF SHOULDER.
2. RAIL ELEMENT SHALL MEET ALL REQUIREMENTS OF AASHTO M-180 EXCEPT AS MODIFIED ON THE PLANS. THE THRIE BEAM TRANSITION TO W-BEAM SHALL BE OF THE SAME MATERIAL, BUT SHALL NOT BE LESS THAN 10 GAUGE.
3. GUARDRAIL HEIGHT SHALL TRANSITION BETWEEN PROPOSED 3" HEIGHT TO EXISTING CONDITION HEIGHT OVER THE 25' DURATION.

Filename: 006_GR_Typical11.dgn

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| HNTB | | | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| Designed | PDB | 01\2025 | Checked | CDH | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | BRG | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

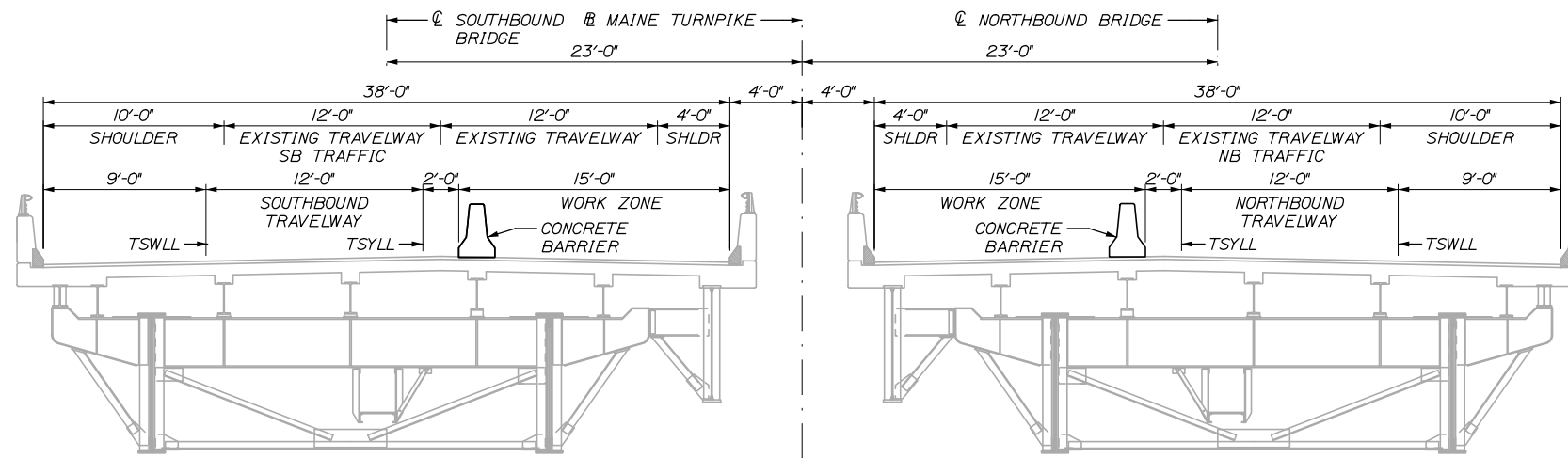
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

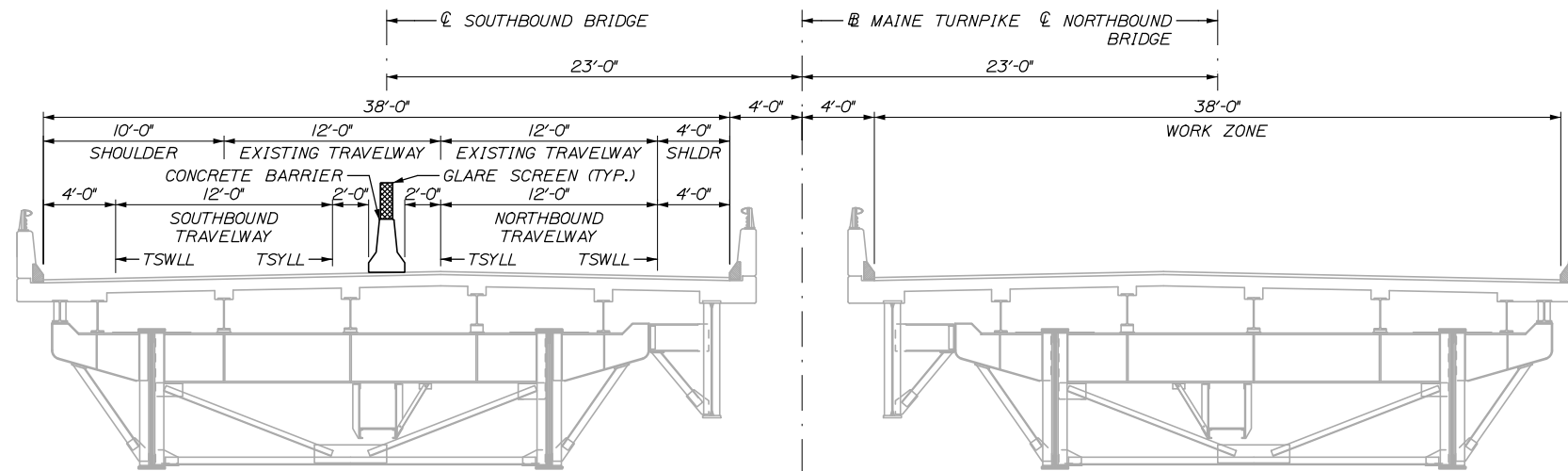
GUARDRAIL DETAILS II

SHEET NUMBER: TYP-03
CONTRACT: 2025.06
6 OF 81

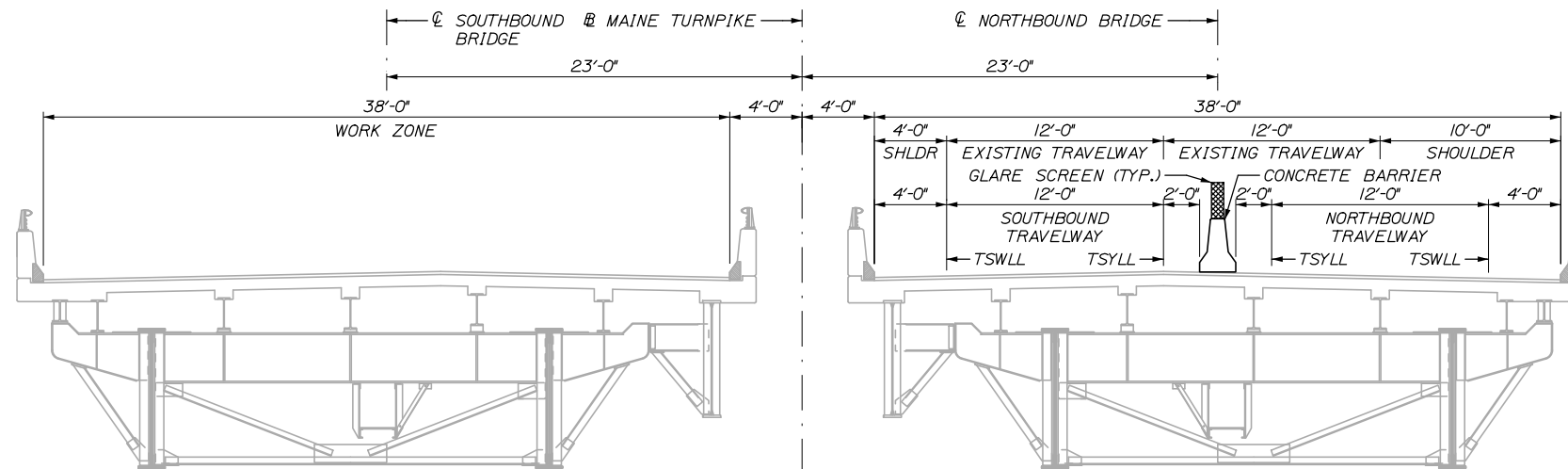
Date: 1/15/2025



PHASE I & IV - MEDIAN TYPICAL



PHASE II - NB CROSSOVER TYPICAL



PHASE III - SB CROSSOVER TYPICAL

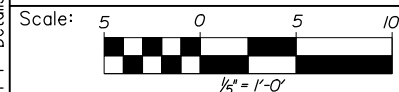
CONSTRUCTION SEQUENCING:

- PHASE I: SETUP MOT AND CONSTRUCT MEDIAN CROSSOVERS. OPTIONAL: INITIATE MEDIAN PARAPET REPAIRS.
- PHASE II: INITIATE NORTHBOUND MEDIAN CROSSOVER. CONSTRUCT NORTHBOUND JOINT REPLACEMENTS AND PARAPET REPAIRS. PAVE NORTHBOUND TRAVELWAY AND SHOULDERS.
- WINTER PERIOD: REMOVE TRAFFIC FROM CROSSOVER. OPTIONAL: ADVANCE PARAPET REPAIRS USING PHASE I/IV MOT CONFIGURATION.
- PHASE III: INITIATE SOUTHBOUND MEDIAN CROSSOVER. CONSTRUCT SOUTHBOUND JOINT REPLACEMENTS AND PARAPET REPAIRS. PAVE SOUTHBOUND TRAVELWAY AND SHOULDERS.
- PHASE IV: INSTALL MEDIAN GUARDRAIL AND FINAL STRIPING.

NOTES:

1. CROSSOVERS SHALL NOT BE IN PLACE DURING THE WINTER PERIOD BEGINNING ON NOVEMBER 27TH AND ENDING MARCH 31ST, UNLESS OTHERWISE DIRECTED BY THE AUTHORITY, OR AS ALLOWED IN NOTE 2.
2. AT THE CONTRACTOR'S OPTION, PHASE 1 AND 4 CONFIGURATION MAY BE IN PLACE DURING THE WINTER PERIOD FOR PARAPET REPAIR RELATED WORK. ALL WINTER WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
3. PHASE 1 AND 4 BARRIER CONFIGURATION MAY BE PLACED AT THE SAME HORIZONTAL OFFSET AS PHASES 2 AND 3 IF THE CONTRACTOR SO CHOOSES. CONTRACTOR MUST ADHERE TO ALL APPLICABLE MAINTENANCE OF TRAFFIC CONTROL STANDARDS.

Filename: 007_MOT 1 - Details.dgn



| No. | Revision | By | Date |
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
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| Designed | BRG | 01\2025 | Checked | PDB | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

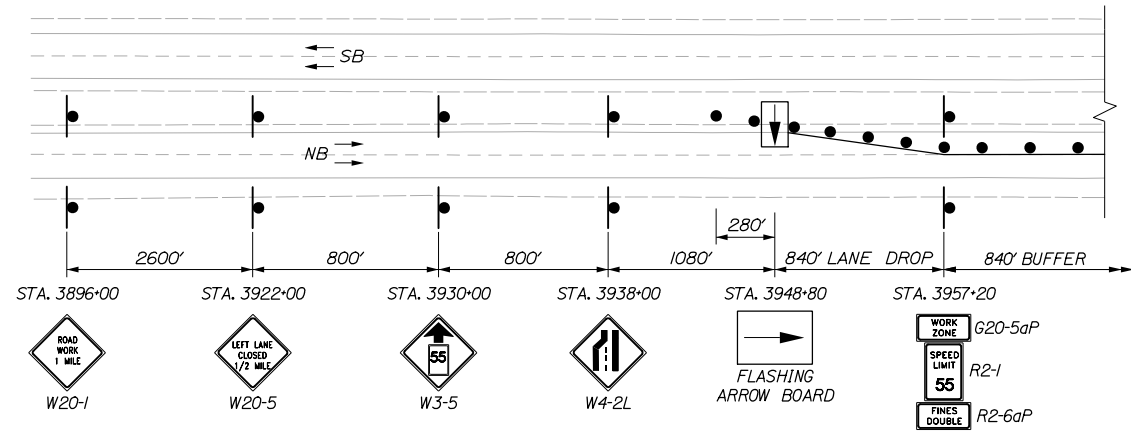
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

MAINTENANCE OF TRAFFIC
CONSTRUCTION SEQUENCING

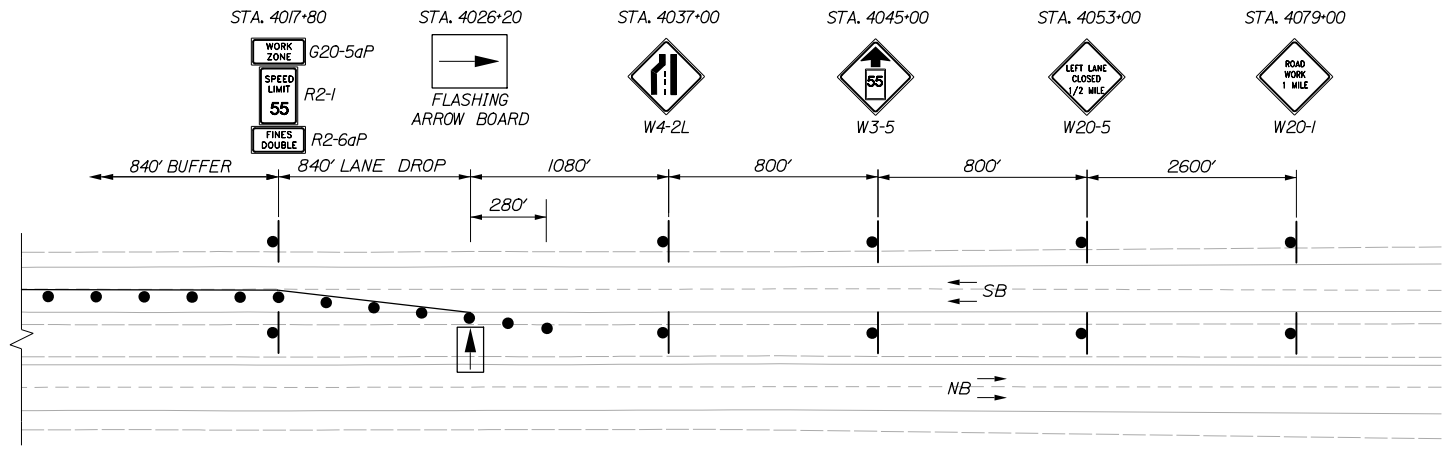
SHEET NUMBER: MOT-01
7 OF 81

CONTRACT: 2025.06

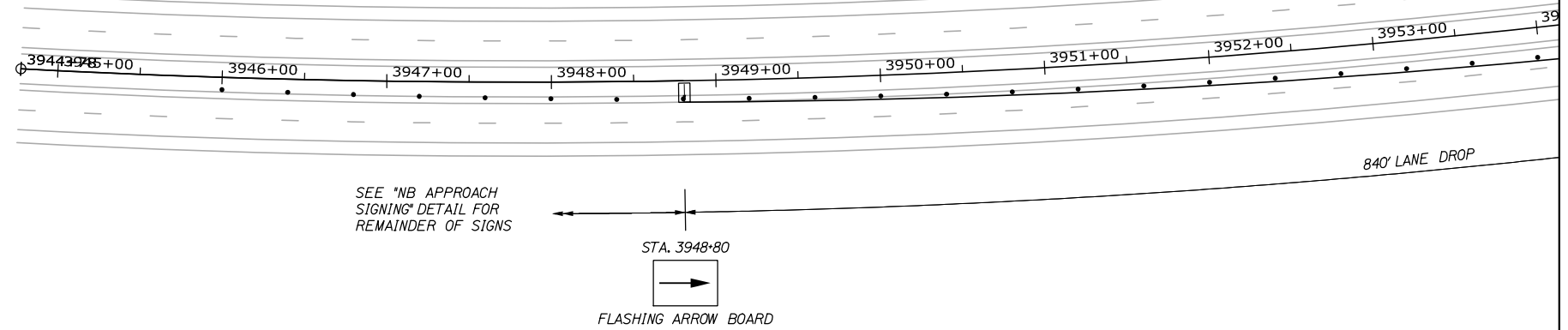
Date: 1/15/2025



NB APPROACH SIGNING



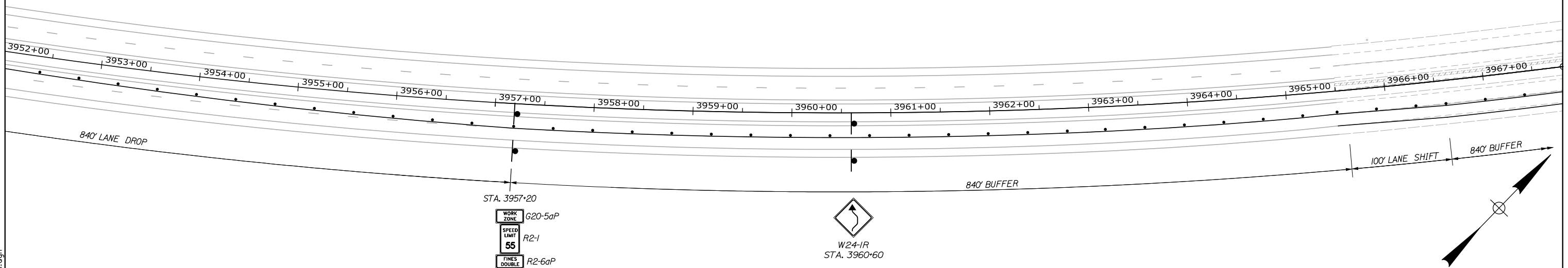
SB APPROACH SIGNING



SEE "NB APPROACH SIGNING" DETAIL FOR REMAINDER OF SIGNS

STA. 3948+80

FLASHING ARROW BOARD



STA. 3957+20

WORK ZONE G20-5aP
SPEED LIMIT 55 R2-1
FINES DOUBLE R2-6aP

W24-1R
STA. 3960+60



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
MAINTENANCE OF TRAFFIC
PHASE 1 - MEDIAN

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | By | Date |
| Designed | PDB 01\2025 | Checked | LZD 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

SHEET NUMBER: MOT-02

8 OF 81

Filename: 008_MOT_II - Median.dgn

MEDIAN QUANTITIES

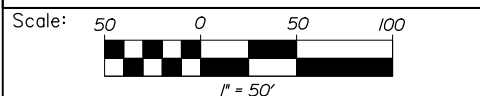
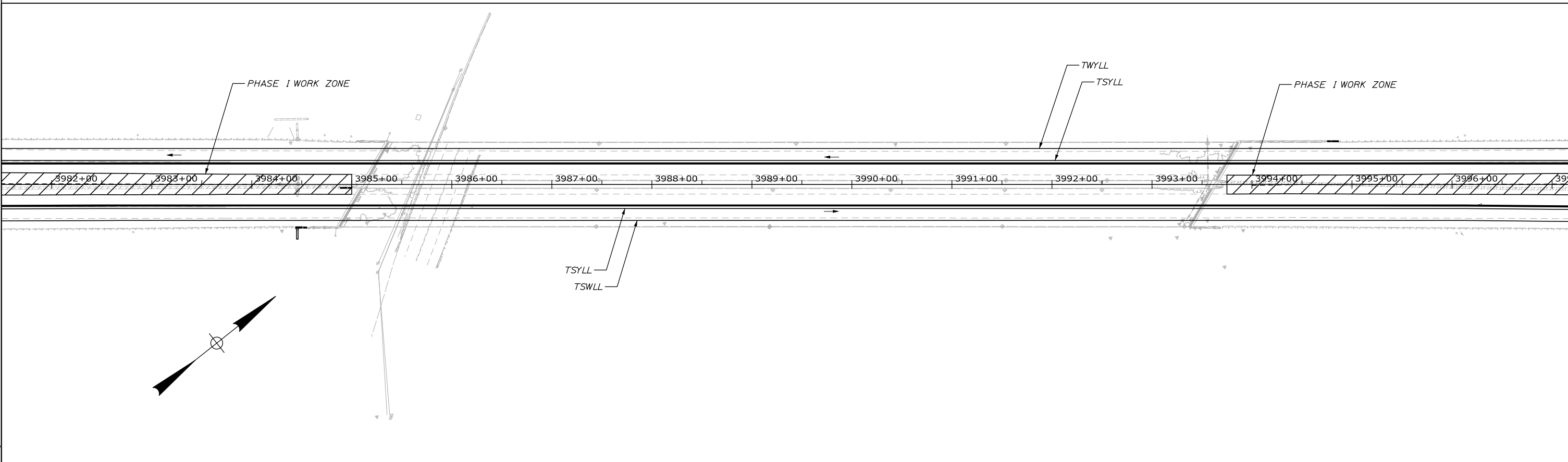
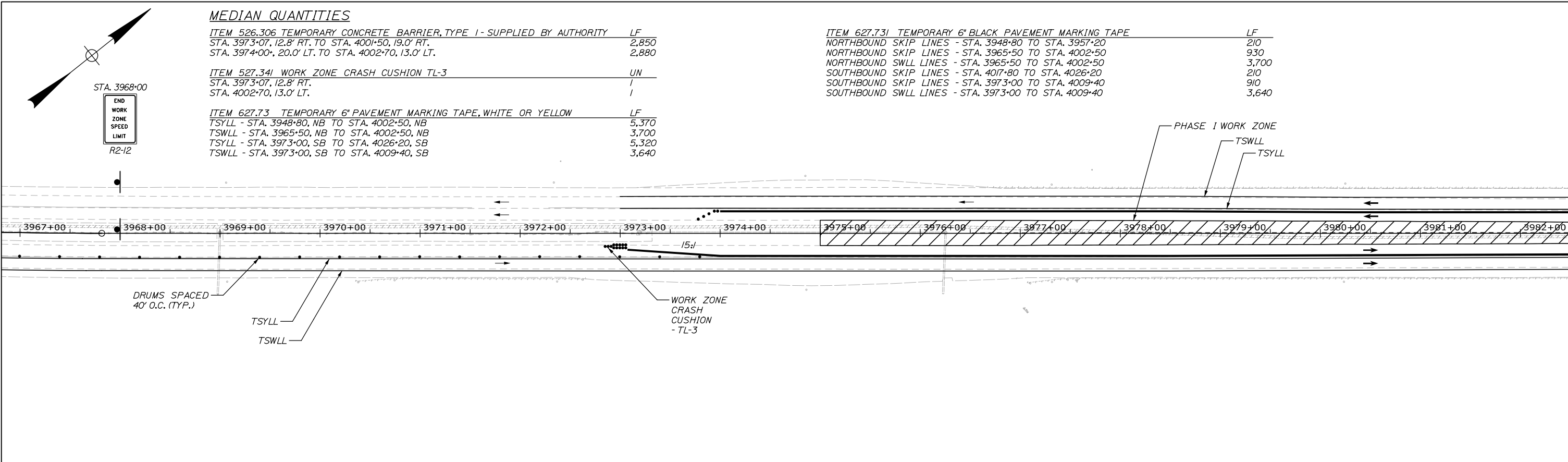
ITEM 526.306 TEMPORARY CONCRETE BARRIER, TYPE 1 - SUPPLIED BY AUTHORITY LF
 STA. 3973+07, 12.8' RT. TO STA. 4001+50, 19.0' RT. 2,850
 STA. 3974+00+, 20.0' LT. TO STA. 4002+70, 13.0' LT. 2,880

ITEM 527.341 WORK ZONE CRASH CUSHION TL-3 UN
 STA. 3973+07, 12.8' RT. 1
 STA. 4002+70, 13.0' LT. 1

ITEM 627.73 TEMPORARY 6" PAVEMENT MARKING TAPE, WHITE OR YELLOW LF
 TSYLL - STA. 3948+80, NB TO STA. 4002+50, NB 5,370
 TSWLL - STA. 3965+50, NB TO STA. 4002+50, NB 3,700
 TSYLL - STA. 3973+00, SB TO STA. 4026+20, SB 5,320
 TSWLL - STA. 3973+00, SB TO STA. 4009+40, SB 3,640

ITEM 627.731 TEMPORARY 6" BLACK PAVEMENT MARKING TAPE LF
 NORTHBOUND SKIP LINES - STA. 3948+80 TO STA. 3957+20 210
 NORTHBOUND SKIP LINES - STA. 3965+50 TO STA. 4002+50 930
 NORTHBOUND SWLL LINES - STA. 3965+50 TO STA. 4002+50 3,700
 SOUTHBOUND SKIP LINES - STA. 4017+80 TO STA. 4026+20 210
 SOUTHBOUND SKIP LINES - STA. 3973+00 TO STA. 4009+40 910
 SOUTHBOUND SWLL LINES - STA. 3973+00 TO STA. 4009+40 3,640

Date: 1/15/2025



Designed by:

HNTB

| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
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| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR
MEMORIAL HIGHWAY

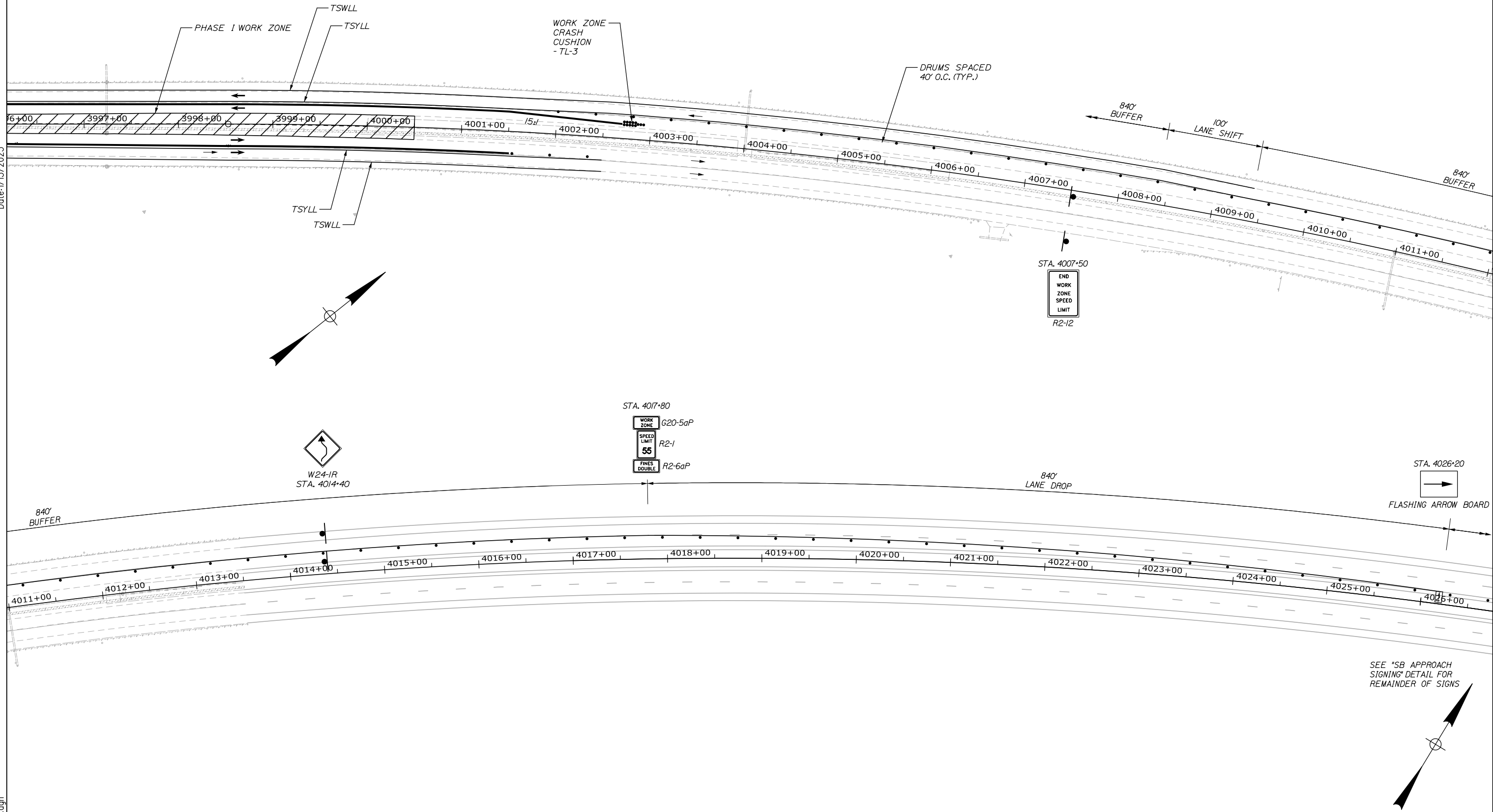
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
MAINTENANCE OF TRAFFIC
PHASE 1 - MEDIAN

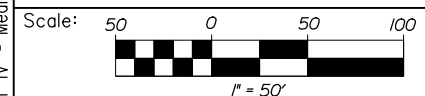
SHEET NUMBER: MOT-03
CONTRACT: 2025.06
9 OF 81

Filename: 009_MOT_III - Median.dgn

Date: 1/15/2025



Filename: 010_MOT_IV - Median.dgn



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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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| Designed | PDB | 01\2025 | LZD | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MEMORIAL HIGHWAY**

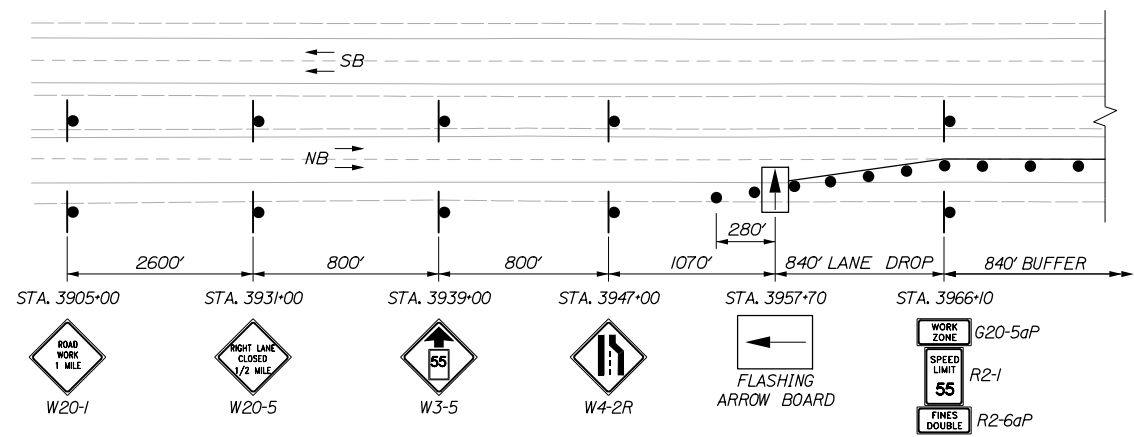
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 MAINTENANCE OF TRAFFIC
 PHASE 1 - MEDIAN

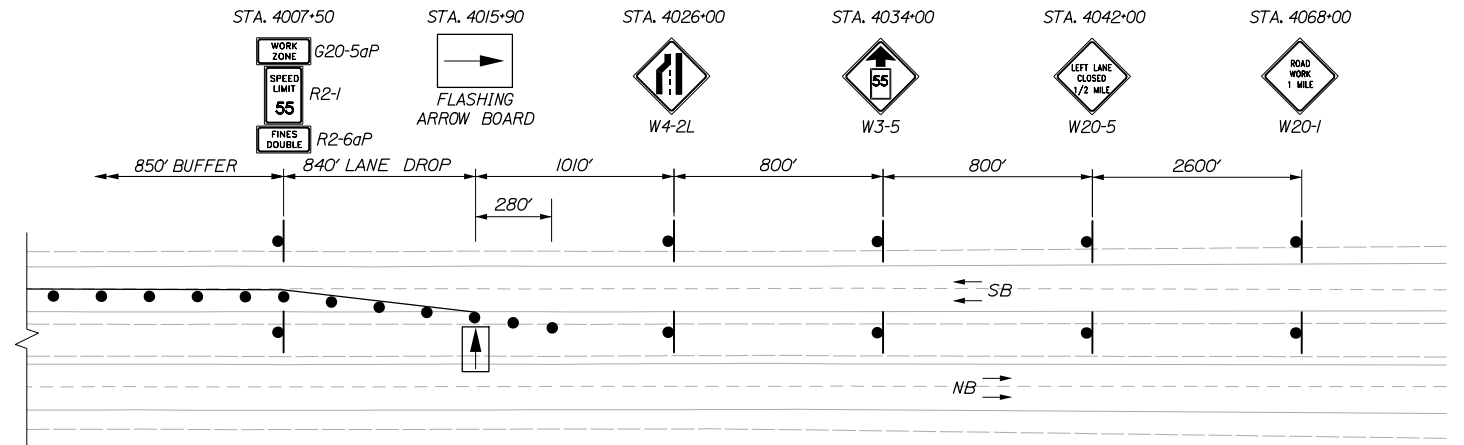
SHEET NUMBER: MOT-04
 10 OF 81

CONTRACT: 2025.06

Date: 1/15/2025



NB APPROACH SIGNING

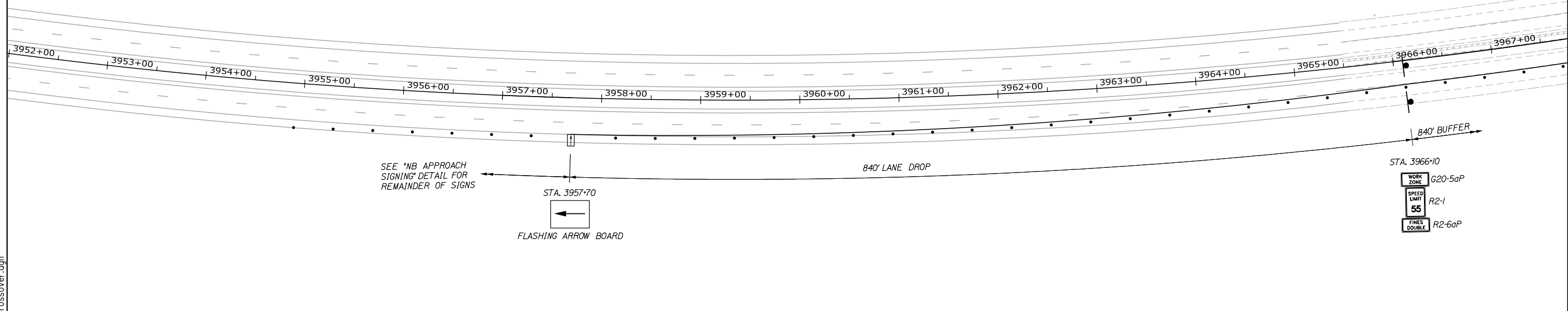
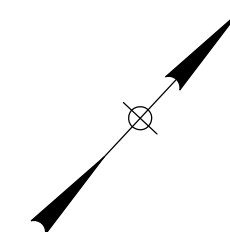


SB APPROACH SIGNING

STATION EQUATIONS

S.E. NB CROSSOVER STA. 100+00.00 Δ =
 STA. 3974+50.00 MAINE TURNPIKE Δ , 18.00' RT.

| NB CROSSOVER | | | | | | | | | | |
|--------------|-----------|----------------|------------|---------|--------|--------|------|------------------|------------|-------------|
| POINT | STATION | Δ | D | R | T | L | E | BEARING | NORTHING | EASTING |
| PC | 100+00.00 | | | | | | | | 447577.773 | 2941185.024 |
| PJ | 102+63.07 | 3°30'15.1" LT. | 0°39'58.4" | 8600.00 | 263.07 | 525.97 | 4.02 | | 447783.473 | 2941349.014 |
| PRC | 105+25.97 | | | | | | | | 447998.812 | 2941500.125 |
| PI | 107+88.39 | 3°29'44.0" RT. | 0°39'58.4" | 8600.00 | 262.42 | 524.68 | 4.00 | | 448213.620 | 2941650.862 |
| PT | 110+50.65 | | | | | | | | 448418.837 | 2941814.417 |
| PC | 117+94.77 | | | | | | | N 38°33'15.14" E | 449000.749 | 2942278.190 |
| PI | 121+24.94 | 4°23'50.2" RT. | 0°39'58.4" | 8600.00 | 330.17 | 660.02 | 6.34 | | 449258.951 | 2942483.973 |
| PRC | 124+54.79 | | | | | | | | 449500.616 | 2942708.947 |
| PI | 125+71.40 | 1°33'13.4" LT. | 0°39'58.4" | 8600.00 | 116.61 | 233.21 | 0.79 | | 449585.968 | 2942788.403 |
| PT | 126+88.00 | | | | | | | | 449673.443 | 2942865.517 |



Filename: 011_MOT V - NB Crossover.dgn

Scale: 50 0 50 100
1" = 50'

| No. | Revision | By | Date |
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 MAINTENANCE OF TRAFFIC
 PHASE 2 - NB CROSSOVER

SHEET NUMBER: MOT-05
 11 OF 81

CONTRACT: 2025.06

NB CROSSOVER QUANTITIES

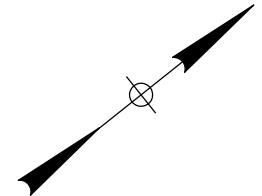
ITEM 526.306 TEMPORARY CONCRETE BARRIER, TYPE 1 - SUPPLIED BY AUTHORITY LF
 STA. 100+00, 26.0' LT. TO STA. 126+50, 8.0' LT. 2,660
 STA. 103+59, 23.8' RT. TO STA. 110+55, 11.0' RT. 700

ITEM 527.341 WORK ZONE CRASH CUSHION TL-3 UN
 STA. 103+59, 23.8' RT. 1

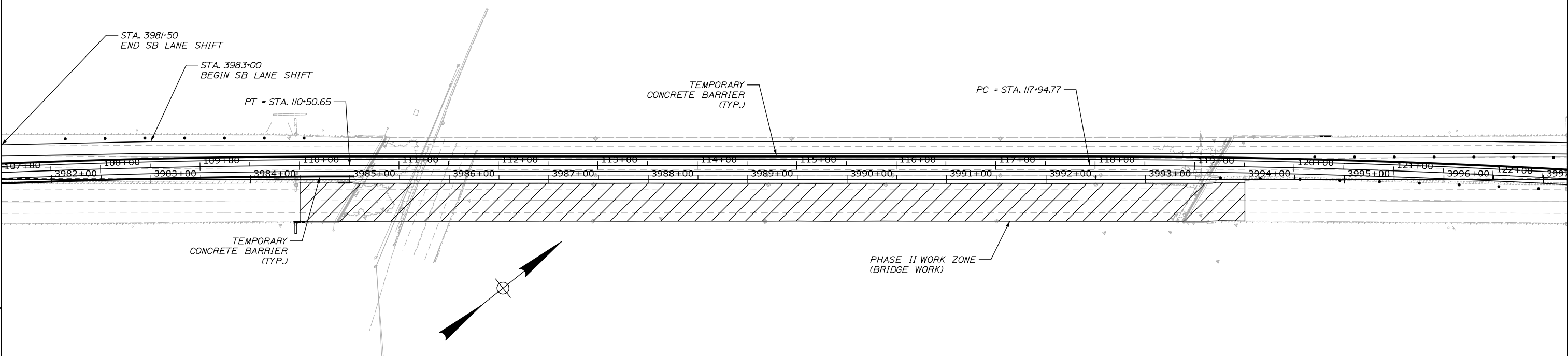
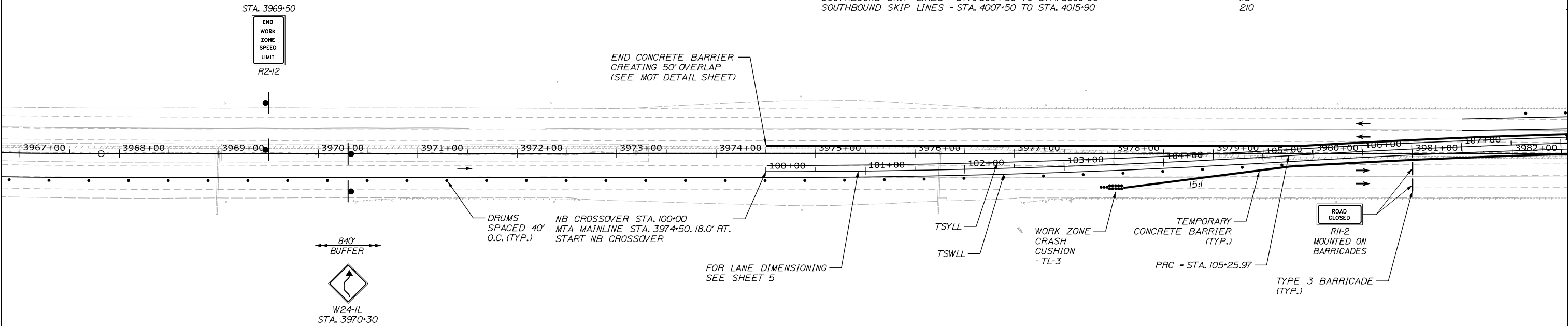
ITEM 644.10 GLARE SCREEN - SUPPLIED BY AUTHORITY LF
 STA. 105+25, LT. TO STA. 124+55, LT. 1,930

ITEM 627.73 TEMPORARY 6" PAVEMENT MARKING TAPE, WHITE OR YELLOW LF
 TSWLL - STA. 3957+70, NB TO STA. 4001+37, NB 4,370
 TSYLL - STA. 3974+50, NB TO STA. 4001+37, NB 2,690
 TSWLL - STA. 3981+50, SB TO STA. 3999+00, SB 1,750
 TSYLL - STA. 3981+50, SB TO STA. 4015+90, SB 3,440

ITEM 627.731 TEMPORARY 6" BLACK PAVEMENT MARKING TAPE LF
 NORTHBOUND SKIP LINES - STA. 3957+70 TO STA. 3966+10 210
 NORTHBOUND SKIP LINES - STA. 3974+50 TO STA. 3979+50 130
 NORTHBOUND SYLL LINES - STA. 3974+50 TO STA. 3980+50 600
 NORTHBOUND SYLL LINES - STA. 3997+00 TO STA. 4001+37 440
 NORTHBOUND SKIP LINES - STA. 3999+00 TO STA. 4001+37 60
 SOUTHBOUND SYLL LINES - STA. 3980+00 TO STA. 3998+00 1,800
 SOUTHBOUND SKIP LINES - STA. 3981+50 TO STA. 3983+50 50
 SOUTHBOUND SWLL LINES - STA. 3981+50 TO STA. 3999+00 1,750
 SOUTHBOUND SKIP LINES - STA. 3994+50 TO STA. 3999+00 113
 SOUTHBOUND SKIP LINES - STA. 4007+50 TO STA. 4015+90 210



Date: 1/15/2025



Filename: 012_MOT_VI - NB Crossover.dgn

Scale: 50 0 50 100
1" = 50'

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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
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| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

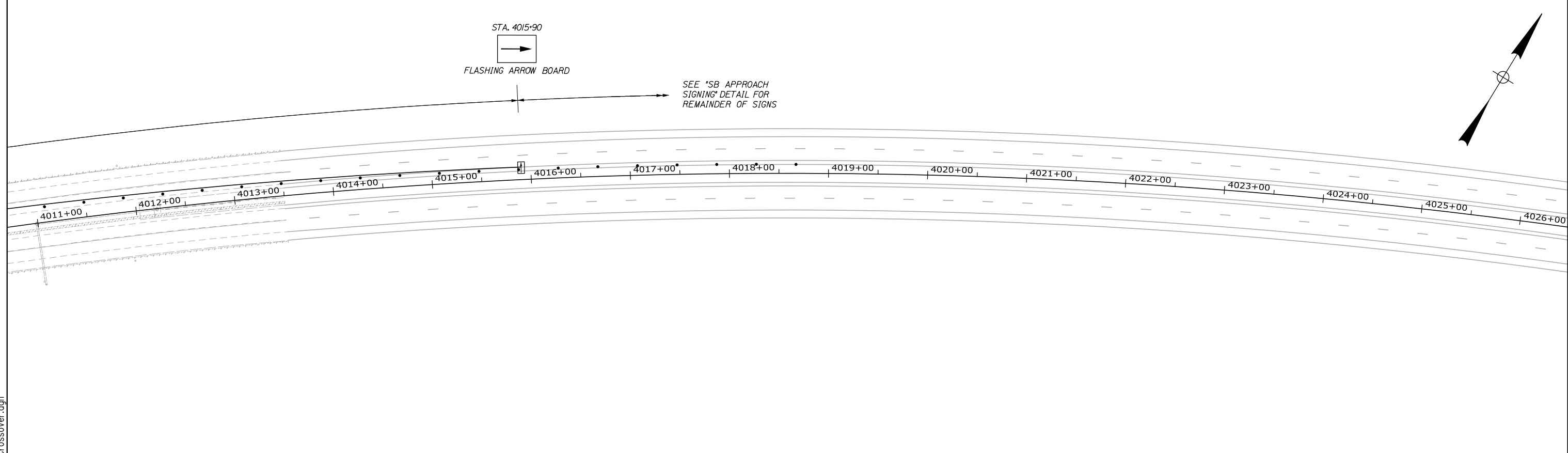
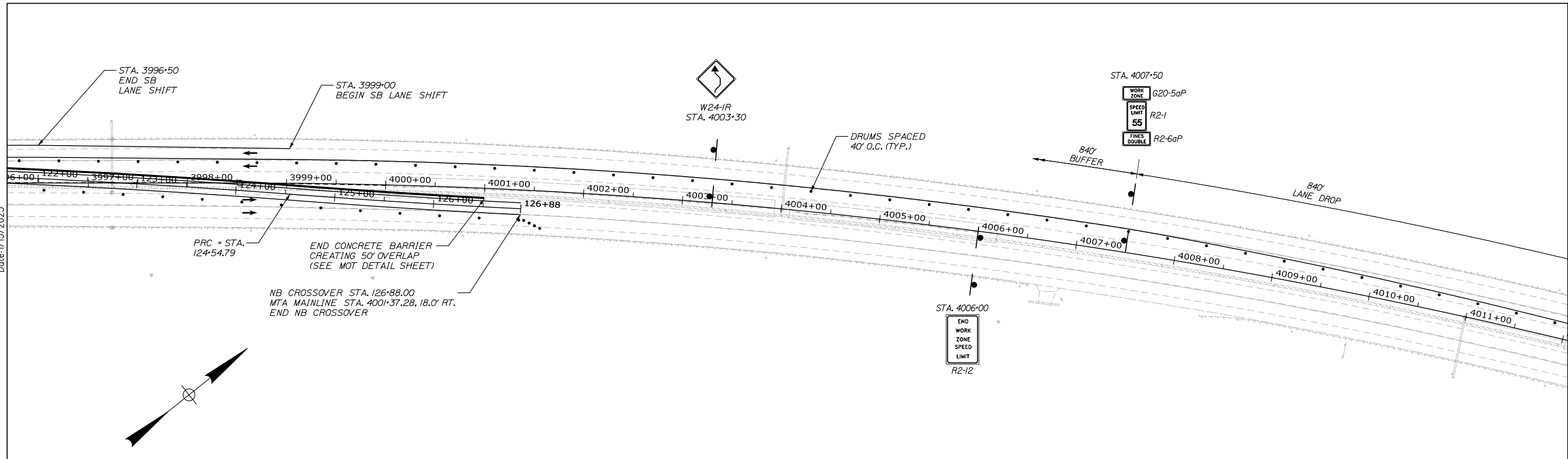
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 MAINTENANCE OF TRAFFIC
 PHASE 2 - NB CROSSOVER

SHEET NUMBER: MOT-06
 12 OF 81

CONTRACT: 2025.06

Date: 1/15/2025



Filename: 013_MOT_VII - NB Crossover.dgn

Scale: 1" = 50'

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Designed by:

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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
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**THE GOLD STAR
 MEMORIAL HIGHWAY**

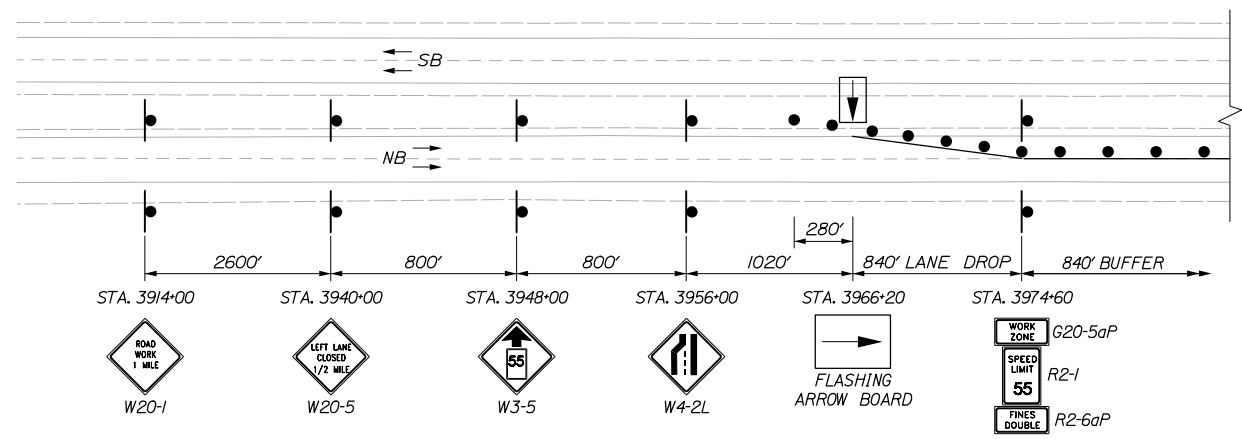
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 MAINTENANCE OF TRAFFIC
 PHASE 2 - NB CROSSOVER

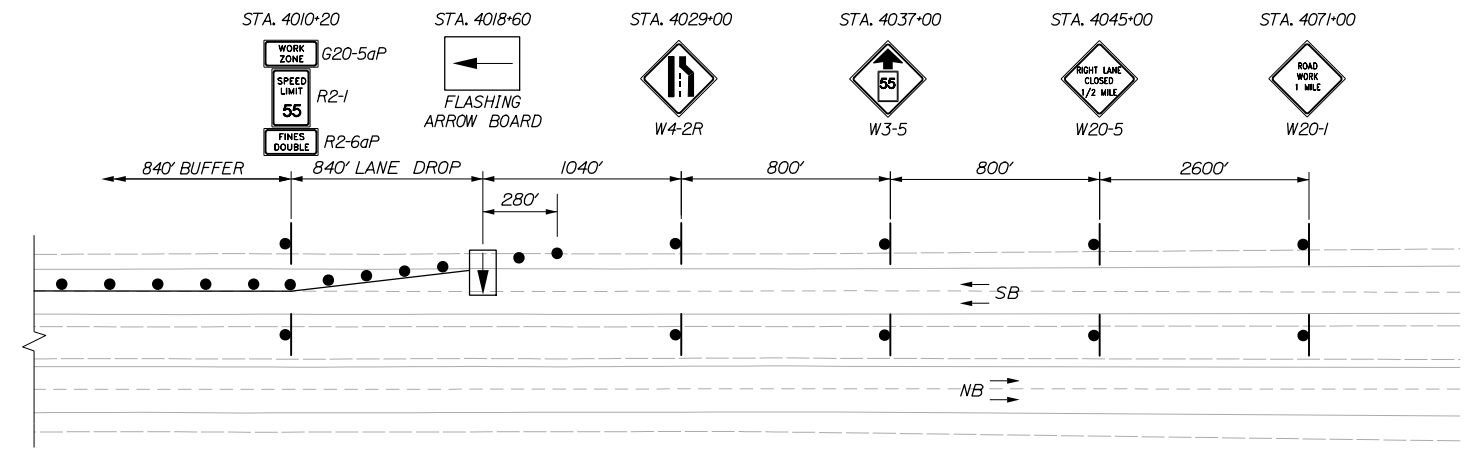
CONTRACT: 2025.06

SHEET NUMBER: MOT-07
 13 OF 81

Date: 1/15/2025



NB APPROACH SIGNING



SB APPROACH SIGNING

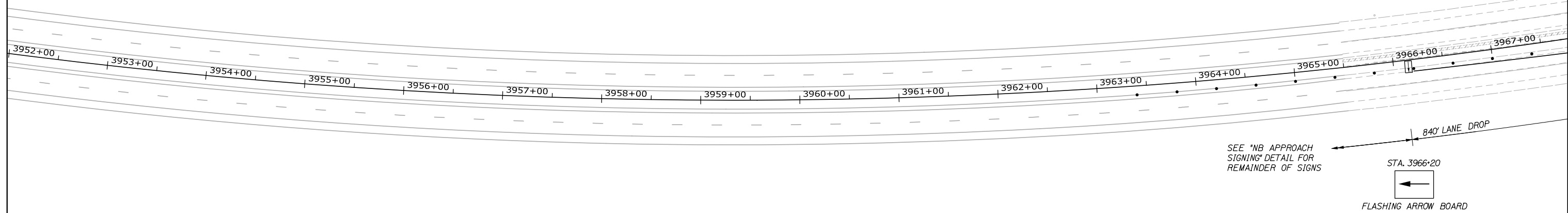
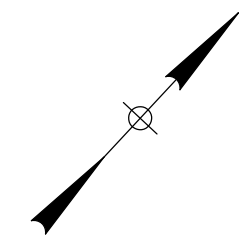
NOTE:

1. FOR ALL MAINTENANCE OF TRAFFIC SHEETS, TOPO LIMITS EXTEND FROM STA. 3965+50 TO STA. 4013+50. BACK STATION AND FORWARD STATION ARE GRAPHICAL ONLY.

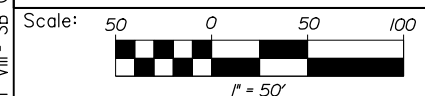
STATION EQUATIONS

S.E. SB CROSSOVER STA. 200+00.00 Δ =
 STA. 3975+50.00 MAINE TURNPIKE Δ , 18.00' LT.

| SB CROSSOVER | | | | | | | | | | |
|--------------|-----------|----------------|------------|---------|--------|--------|-------|------------------|------------|-------------|
| POINT | STATION | Δ | D | R | T | L | E | BEARING | NORTHING | EASTING |
| PC | 200+00.00 | | | | | | | | 447678.412 | 2941219.196 |
| PI | 202+63.07 | 3°30'15.1" RT. | 0°39'58.4" | 8600.00 | 263.07 | 525.97 | 4.02 | | 447884.161 | 2941383.125 |
| PRC | 205+25.97 | | | | | | | | 448079.507 | 2941559.322 |
| PI | 207+88.39 | 3°29'44.0" LT. | 0°39'58.4" | 8600.00 | 262.42 | 524.68 | 4.00 | | 448274.370 | 2941735.084 |
| PT | 210+50.65 | | | | | | | | 448479.587 | 2941898.639 |
| PC | 217+20.71 | | | | | | | N 38°33'15.14" E | 449003.589 | 2942316.258 |
| PI | 218+91.62 | 4°53'34.9" LT. | 1°25'56.6" | 4000.00 | 170.90 | 341.60 | 3.65 | | 449137.238 | 2942422.774 |
| PRC | 220+62.31 | | | | | | | | 449279.485 | 2942517.502 |
| PI | 223+47.64 | 8°09'36.7" RT. | 1°25'56.6" | 4000.00 | 285.33 | 569.69 | 10.16 | | 449516.972 | 2942675.653 |
| PT | 226+32.00 | | | | | | | | 449729.605 | 2942865.913 |



Filename: 014_MOT_VIII - SB Crossover.dgn



| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

HNTB CORPORATION
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 MAINTENANCE OF TRAFFIC
 PHASE 3 - SB CROSSOVER

SHEET NUMBER: MOT-08
 14 OF 81

CONTRACT: 2025.06

SB CROSSOVER QUANTITIES

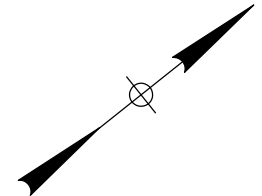
ITEM 526.306 TEMPORARY CONCRETE BARRIER, TYPE 1 - SUPPLIED BY AUTHORITY LF 2,310
 STA. 3974+50, 8.0' LT. TO STA. 222+00, 17.7' RT.
 STA. 218+22, 9.8' LT. TO STA. 222+11, 23.8' LT.
 390

ITEM 527.341 WORK ZONE CRASH CUSHION TL-3 UN 1
 STA. 222+11, 23.8' LT.

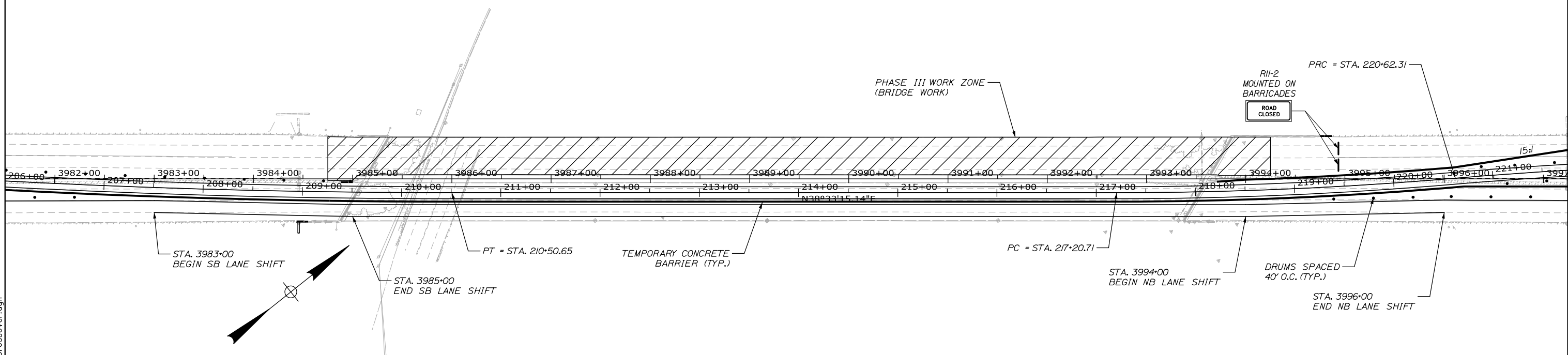
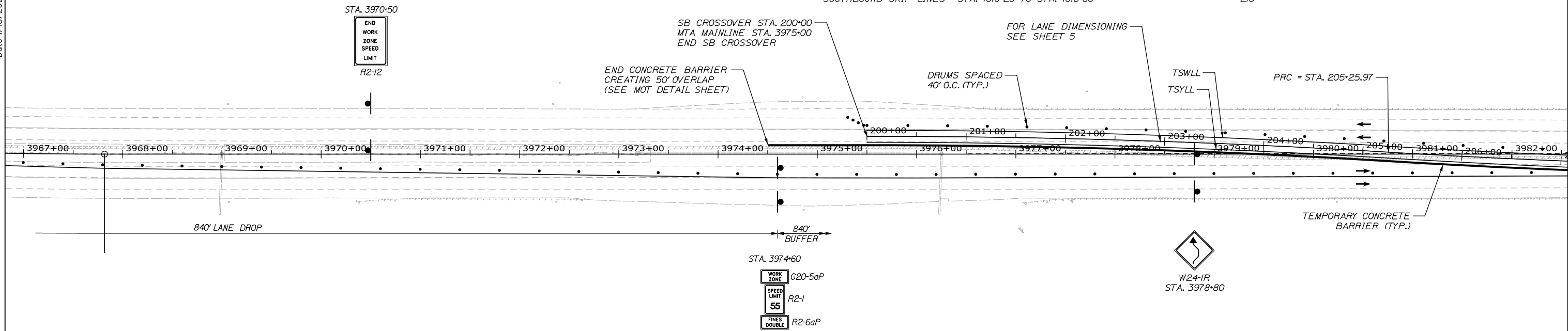
ITEM 644.10 GLARE SCREEN - SUPPLIED BY AUTHORITY LF 1,550
 STA. 205+25, RT. TO STA. 220+65, RT.

ITEM 627.73 TEMPORARY 6" PAVEMENT MARKING TAPE, WHITE OR YELLOW LF 3,150
 TSWLL - STA. 3966+20, NB TO STA. 3997+64, NB 1,300
 TSYLL - STA. 3983+00, NB TO STA. 3996+00, NB 1,300
 TSWLL - STA. 3975+50, SB TO STA. 4001+80, SB 2,630
 TSYLL - STA. 3975+50, SB TO STA. 4018+60, SB 4,310

ITEM 627.731 TEMPORARY 6" BLACK PAVEMENT MARKING TAPE LF 210
 NORTHBOUND SKIP LINES - STA. 3966+20 TO STA. 3974+60 1,650
 NORTHBOUND SYLL LINES - STA. 3981+00 TO STA. 3997+50 40
 NORTHBOUND SKIP LINES - STA. 3983+00 TO STA. 3984+50 1,300
 NORTHBOUND SWLL LINES - STA. 3983+00 TO STA. 3996+00 70
 NORTHBOUND SKIP LINES - STA. 3993+50 TO STA. 3996+00 650
 SOUTHBOUND SYLL LINES - STA. 3975+50 TO STA. 3982+00 630
 SOUTHBOUND SYLL LINES - STA. 3995+50 TO STA. 4001+80 100
 SOUTHBOUND SKIP LINES - STA. 3996+50 TO STA. 4000+50 210
 SOUTHBOUND SKIP LINES - STA. 4010+20 TO STA. 4018+60



Date: 1/15/2025



Filename: 015_MOT_IX - SB Crossover.dgn

Scale: 1" = 50'

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| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

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| | By | Date | | By | Date |
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

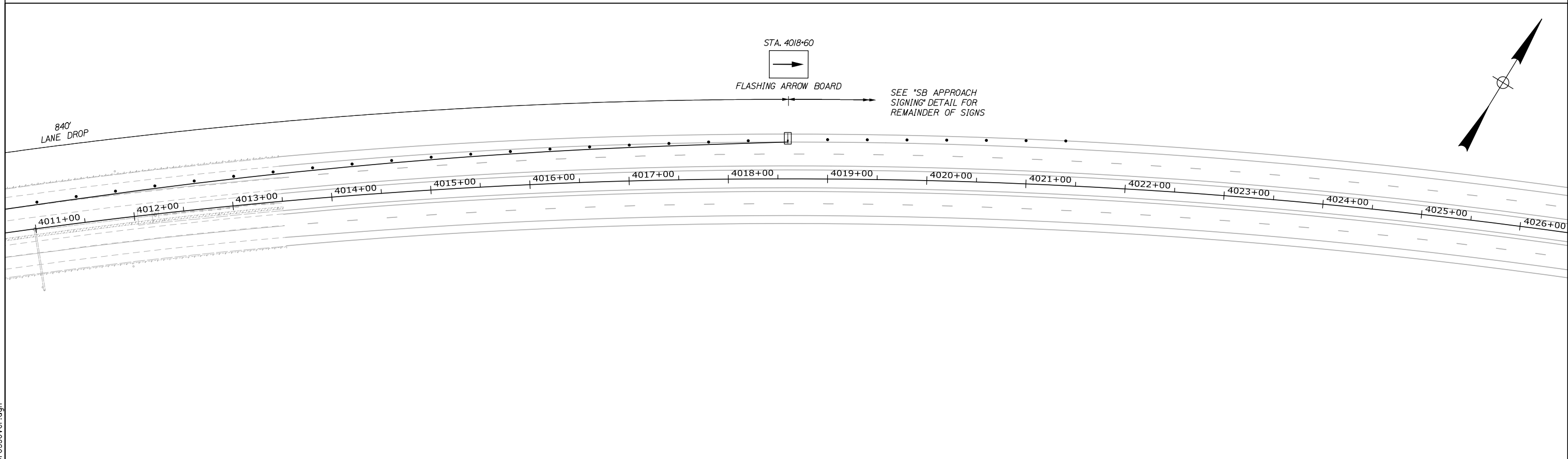
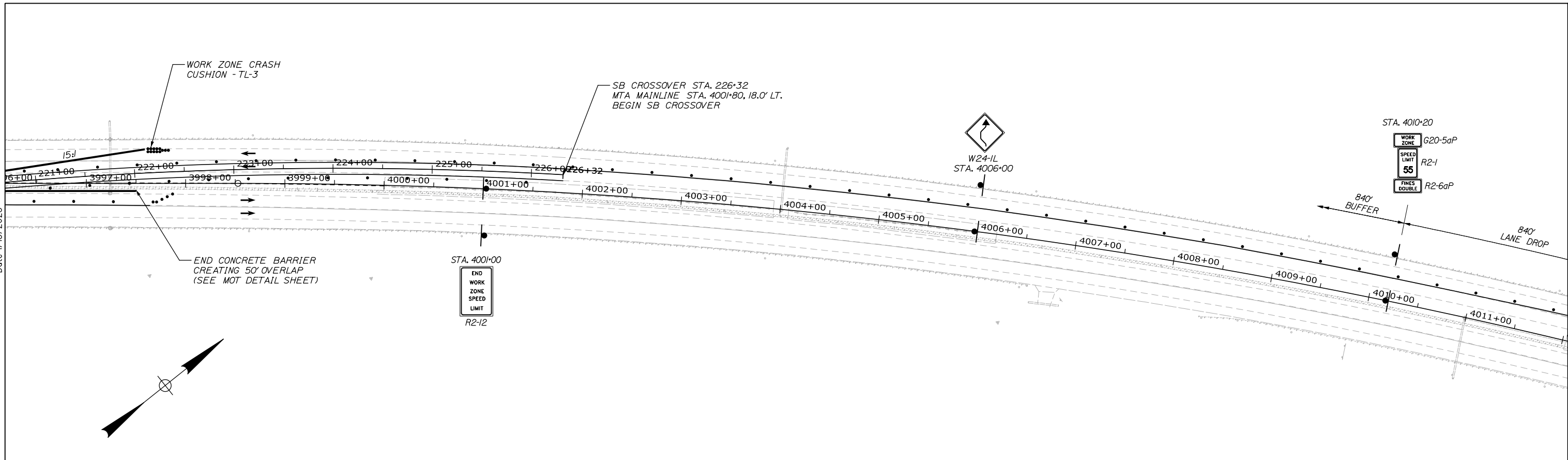
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 MAINTENANCE OF TRAFFIC
 PHASE 3 - SB CROSSOVER

SHEET NUMBER: MOT-09
 15 OF 81

CONTRACT: 2025.06

Date: 1/15/2025



Filename: 016_MOT_X - SB_Crossover.dgn

Scale: 50 0 50 100
1" = 50'

| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

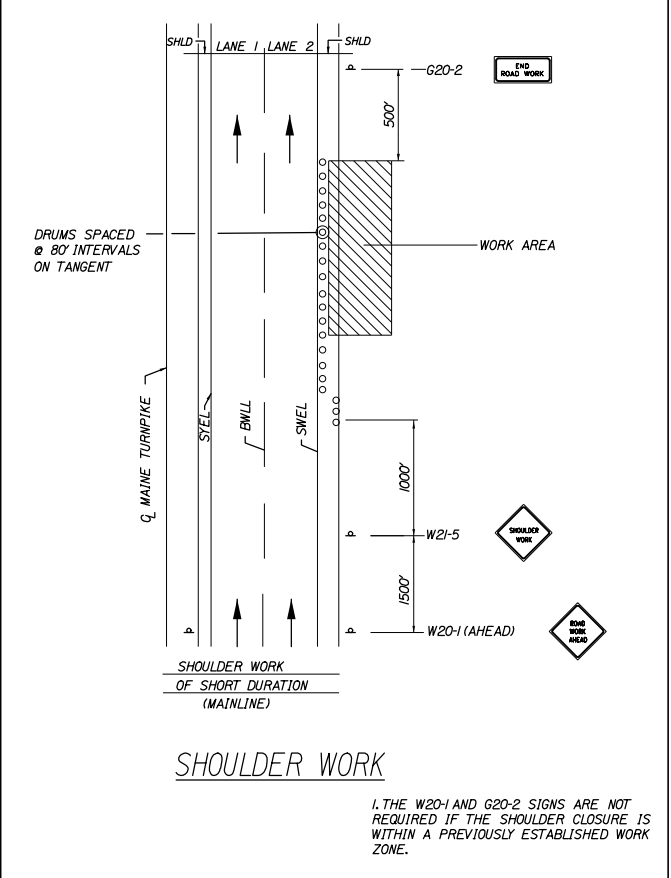
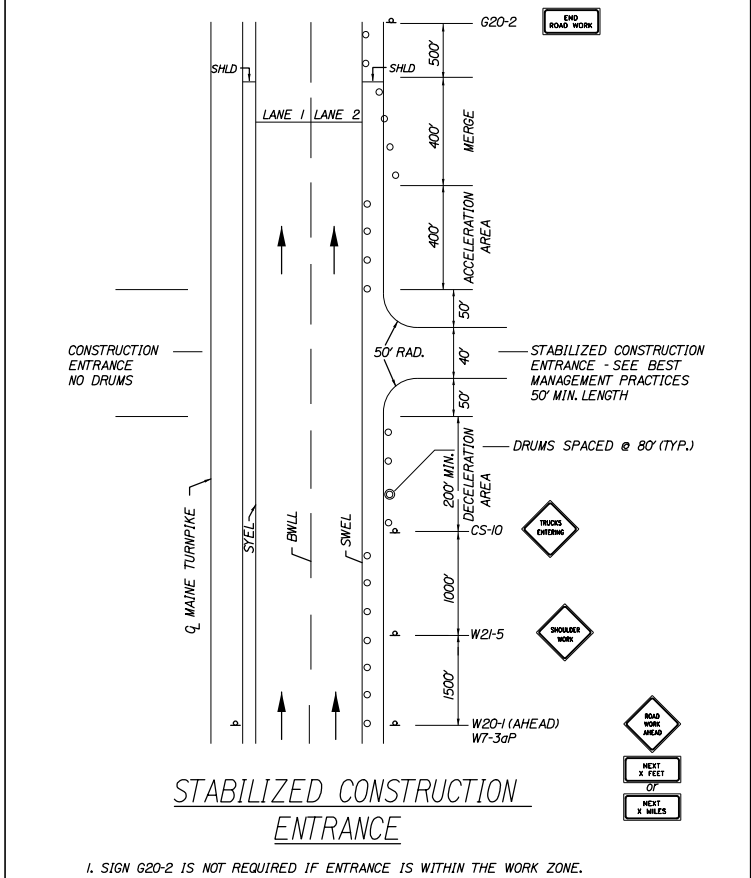
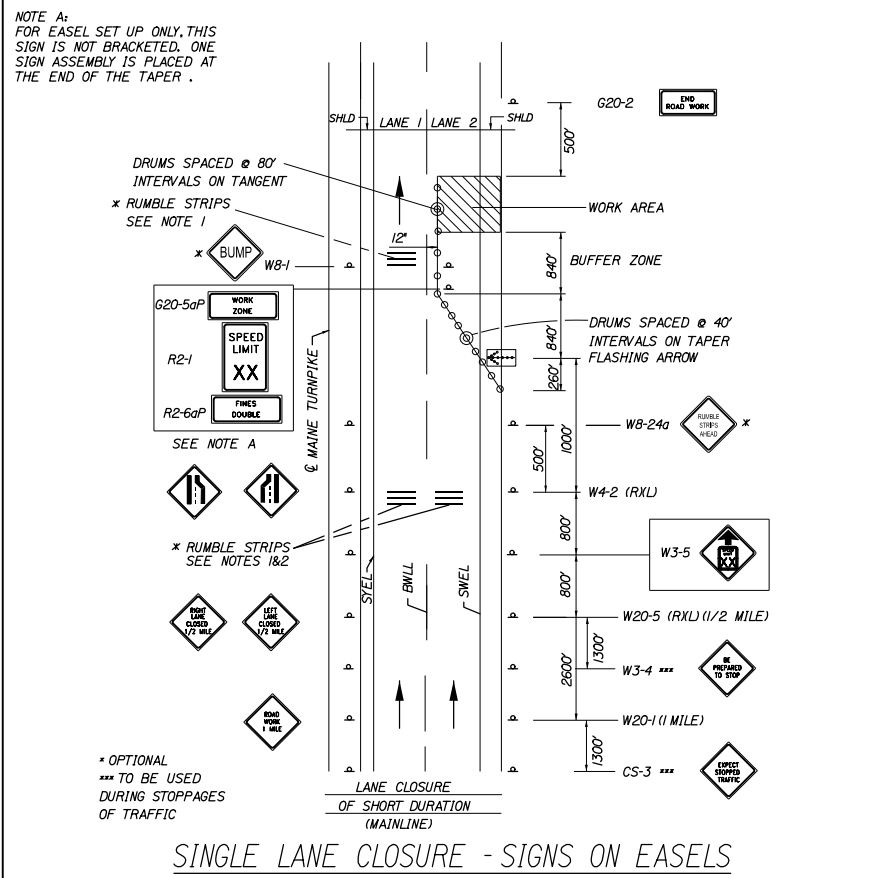
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
MAINTENANCE OF TRAFFIC
PHASE 3 - SB CROSSOVER

SHEET NUMBER: MOT-10
CONTRACT: 2025.06
16 OF 81

Date: 1/15/2025



GENERAL MAINTENANCE OF TRAFFIC NOTES:

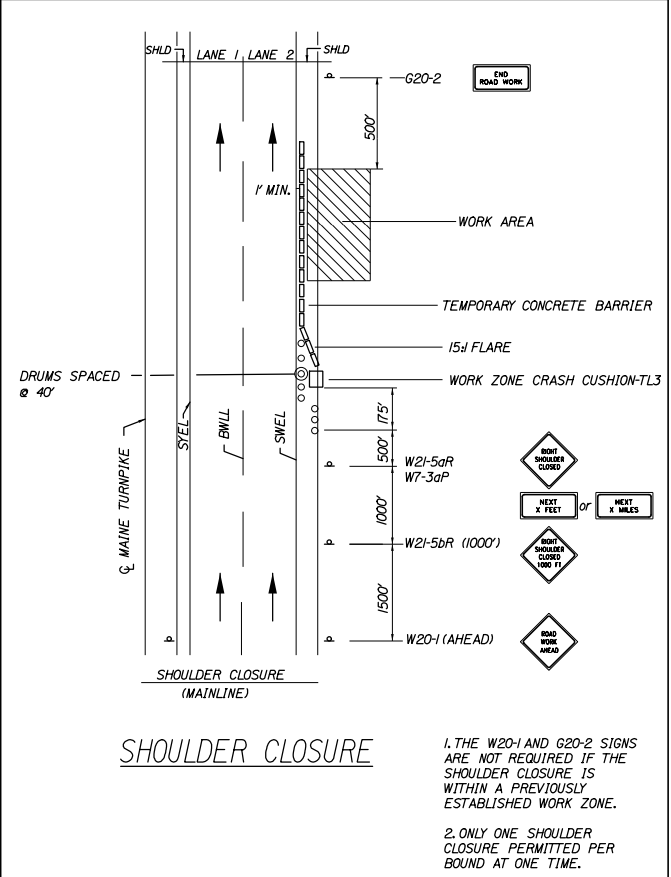
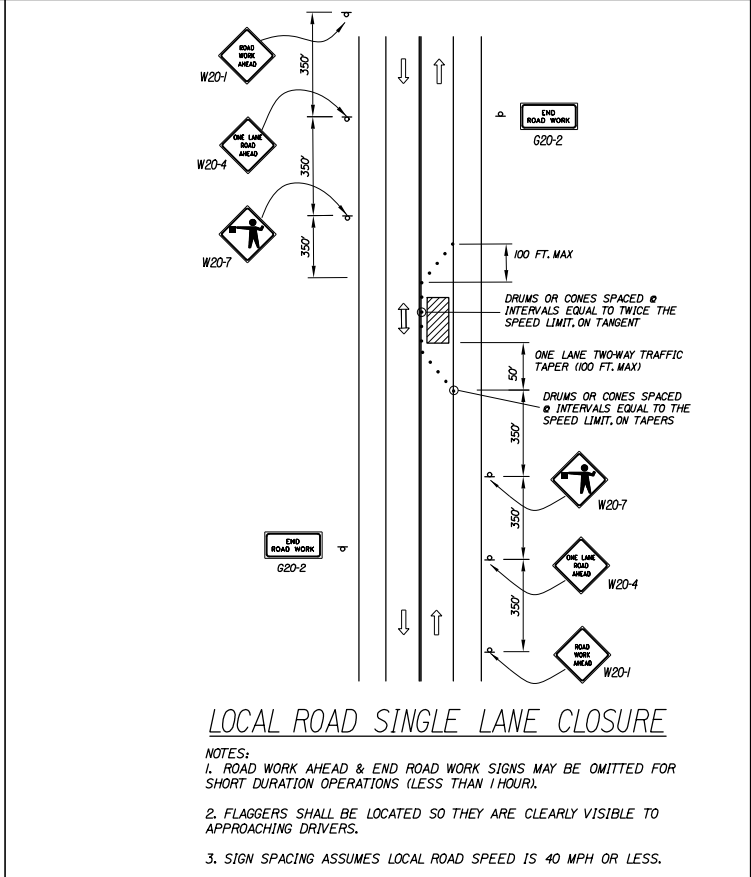
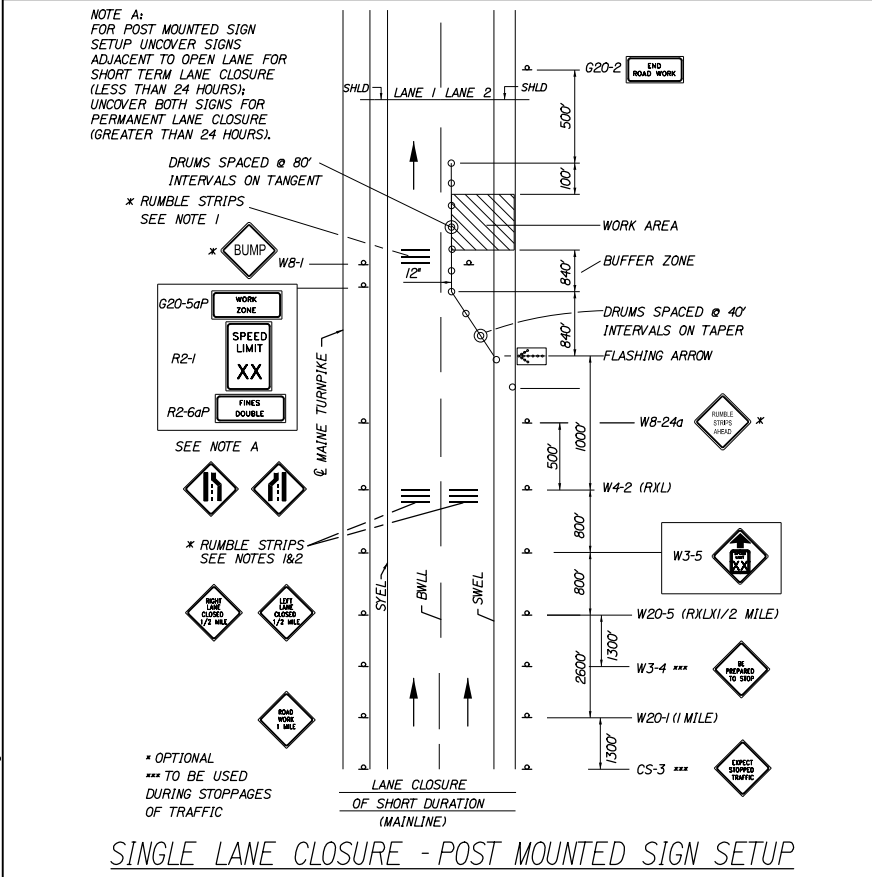
- ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES', U.S.D.O.T., F.H.W.A., LATEST EDITION.
- THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL DURING CONSTRUCTION. SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD. ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
- THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
- EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.
- SPEED LIMIT, STOP AND YIELD SIGNS SHALL BE A MINIMUM OF 5' ABOVE THE PAVEMENT.

ABBREVIATIONS FOR ALL M.O.T. PLANS

BWLL = BROKEN WHITE LANE LINE
SWEL = SOLID WHITE EDGE LINE
SYEL = SOLID YELLOW EDGE LINE
TBWLL = TEMPORARY BROKEN WHITE LANE LINE
TDWEL = TEMPORARY DOTTED WHITE EDGE LINE
TSWEL = TEMPORARY SOLID WHITE EDGE LINE
TSWLL = TEMPORARY SOLID WHITE LANE LINE
TSYCL = TEMPORARY SOLID YELLOW CENTER LINE

TEMPORARY RUMBLE STRIP NOTES

- IF RUMBLE STRIPS ARE USED THEY SHALL BE PLACED IN ONE OF THE FOLLOWING CONFIGURATIONS:
 * ADJACENT TO THE WORK ZONE (1 UNIT)
 * UPSTREAM FROM THE TAPER FOR THE WORKZONE (2 UNITS)
 * BOTH ADJACENT TO THE WORKZONE AND PRIOR TO THE TAPER (3 UNITS)
 W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST RUMBLE STRIP AT ANY LOCATION. ONLY ONE SET OF W8-24a SIGNS ARE REQUIRED FOR ANY OF THE ABOVE CONFIGURATIONS.
- RUMBLE STRIPS MAY BE PLACED UPSTREAM OF THE TAPER BETWEEN THE W3-5 SIGNS AND THE W4-2 SIGNS. IF RUMBLE STRIPS ARE INSTALLED PRIOR TO TAPER, W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST STRIP AND THE W8-24a SIGNS SHALL BE MOVED TO 400' AFTER THE W20-5 SIGNS.



Filename: 017_MTA MOT Standard Details.dgn

Scale: NOT TO SCALE

| No. | Revision | By | Date |
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Designed by:

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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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


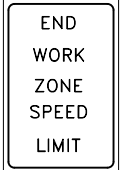






MAINE TURNPIKE







THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
MAINTENANCE OF TRAFFIC
STANDARD DETAILS

SHEET NUMBER: MOT-11
CONTRACT: 2025.06
17 OF 81

| IDENTIFICATION NUMBER | SIZE OF SIGN | | TEXT | TEXT DIMENSIONS (INCHES) | | | NUMBER OF SIGNS REQUIRED | COLOR | | BORDER RADIUS | AREA IN SQUARE FEET |
|-----------------------|--------------|--------|---|--|------------------|-----------------|--------------------------|---|---------------|---------------|---------------------|
| | WIDTH | HEIGHT | | LETTER HEIGHT | VERTICAL SPACING | ARROW RTE. MKR. | | BACK-GROUND | LEGEND BORDER | | |
| G20-5aP | 48" | 24" |  | TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT" | | | 4 | COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT" | | | 8.00 (32) |
| R2-1 | 48" | 60" |  | | | | 4 | | | | 20.00 (80) |
| R2-6aP | 48" | 24" |  | | | | 4 | | | | 8.00 (32) |
| R2-12 | 48" | 60" |  | | | | 4 | | | | 20.00 (80) |
| R11-2 | 48" | 24" |  | | | | 2 | | | | 8.00 (16) |
| W4-2L | 48" | 48" |  | | | | 4 | | | | 16.00 (64) |
| W4-2R | 48" | 48" |  | | | | 2 | | | | 16.00 (32) |
| W24-1L | 48" | 48" |  | | | | 2 | | | | 16.00 (32) |
| W24-1R | 48" | 48" |  | | | | 2 | | | | 16.00 (32) |
| W3-5 | 48" | 48" |  | | | | 4 | | | | 16.00 (64) |

| IDENTIFICATION NUMBER | SIZE OF SIGN | | TEXT | TEXT DIMENSIONS (INCHES) | | | NUMBER OF SIGNS REQUIRED | COLOR | | BORDER RADIUS | AREA IN SQUARE FEET |
|-----------------------|--------------|--------|--|--|------------------|-----------------|--------------------------|---|---------------|---------------|---------------------|
| | WIDTH | HEIGHT | | LETTER HEIGHT | VERTICAL SPACING | ARROW RTE. MKR. | | BACK-GROUND | LEGEND BORDER | | |
| W20-1 (1 MILE) | 48" | 48" |  | TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT" | | | 4 | COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT" | | | 16.00 (64) |
| W20-5L | 48" | 48" |  | | | | 2 | | | | 16.00 (32) |
| W20-5R | 48" | 48" |  | | | | 4 | | | | 16.00 (64) |
| W20-7 | 36" | 36" |  | | | | 2 | | | | 9.00 (18) |
| W20-4 | 36" | 36" |  | | | | 2 | | | | 9.00 (18) |
| W20-1 | 36" | 36" |  | | | | 2 | | | | 9.00 (18) |

Filename: 018_MOT - Sign Summary.dgn

Scale: **NOT TO SCALE**

| No. | Revision | By | Date |
|-----|----------|----|------|
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | CET | 01\2025 | Checked | PEM | 01\2025 |
| Drawn | CET | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
MAINTENANCE OF TRAFFIC
SIGN SUMMARY 1 OF 1

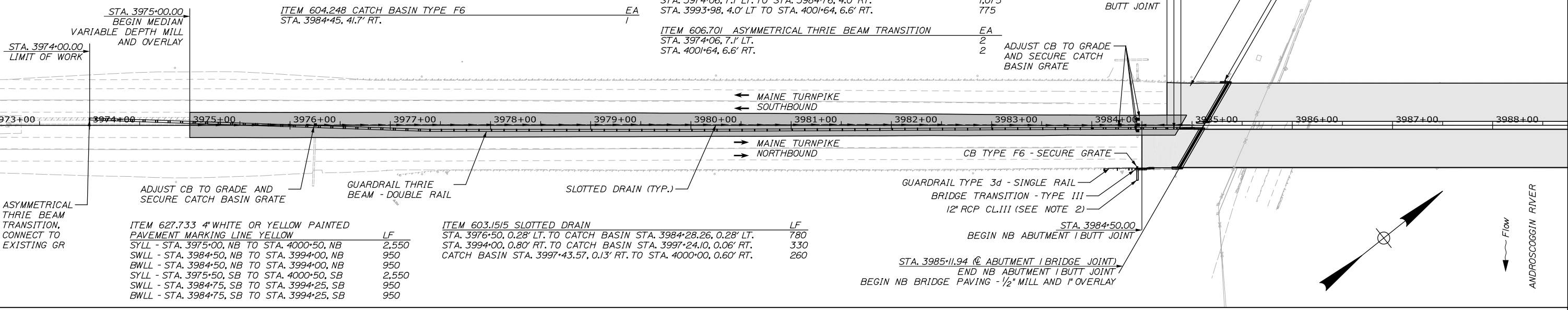
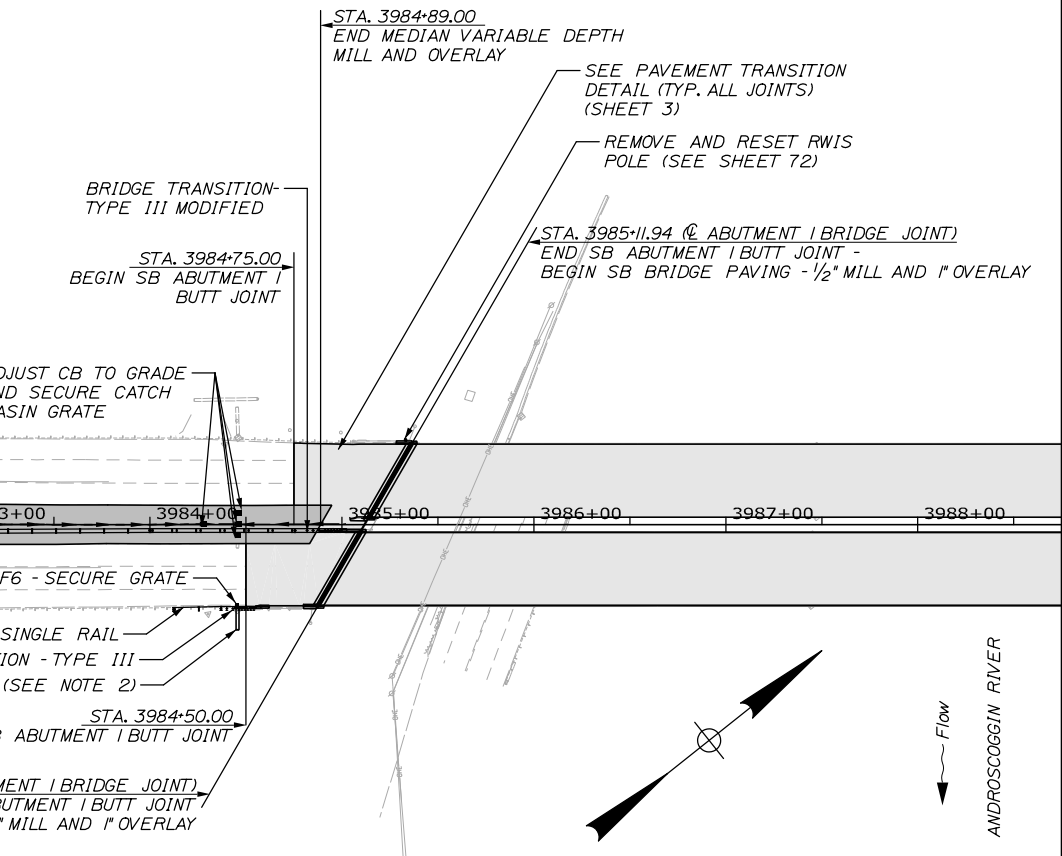
SHEET NUMBER: MOT-12
18 OF 81

CONTRACT: 2025.06

| | | |
|--------------------------------------|-------|--|
| ITEM 202.205 RUMBLE STRIP - SHOULDER | LF | |
| NORTHBOUND MEDIAN | | |
| STA. 3975+00 TO STA. 3985+00 | 1,000 | |
| STA. 3993+70 TO STA. 4000+50 | 680 | |
| SOUTHBOUND MEDIAN | | |
| STA. 3975+00 TO STA. 3985+00 | 1,000 | |
| STA. 3993+70 TO STA. 4000+50 | 680 | |
| NORTHBOUND SHOULDER | | |
| STA. 3965+50 TO STA. 3984+90 | 1,940 | |
| STA. 3993+40 TO STA. 4002+50 | 910 | |
| SOUTHBOUND SHOULDER | | |
| STA. 3973+00 TO STA. 3985+30 | 1,230 | |
| STA. 3993+90 TO STA. 4009+50 | 1,560 | |

| | | |
|---|----|--|
| ITEM 603.155 12 INCH REINFORCED CONCRETE PIPE - CLASS III | LF | |
| STA. 3984+45, 41.7' RT. TO STA. 3984+45, RT. | 12 | |
| ITEM 604.18 ADJUST CATCH BASIN TO GRADE | EA | |
| STA. 3976+25.29, 0.43' LT. | 1 | |
| STA. 3984+28.26, 0.28' LT. | 1 | |
| STA. 3984+46.14, 6.22' LT. | 1 | |
| STA. 3984+46.44, 0.48' LT. | 1 | |
| STA. 3984+45.80, 5.58' RT. | 1 | |
| STA. 3997+23.96, 6.93' RT. | 1 | |
| STA. 3997+24.10, 0.06' RT. | 1 | |
| STA. 3997+23.89, 9.73' RT. | 1 | |
| STA. 3997+43.57, 0.13' RT. | 1 | |
| ITEM 604.248 CATCH BASIN TYPE F6 | EA | |
| STA. 3984+45, 41.7' RT. | 1 | |

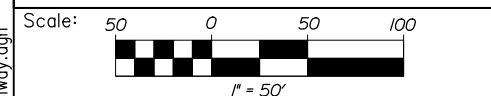
| | | |
|---|-------|--|
| ITEM 606.24 GUARDRAIL TYPE 3d - SINGLE RAIL | LF | |
| STA. 3984+12, 43.1' RT. TO STA. 3984+37, 42.7' RT. | 25 | |
| STA. 3994+93, 42.5' LT. TO STA. 3995+18, 43.1' LT. | 25 | |
| ITEM 606.1723 BRIDGE TRANSITION - TYPE III | EA | |
| STA. 3984+37, 42.7' RT. TO STA. 3984+57, 42.7' RT. | 1 | |
| STA. 3994+73, 42.5' LT. TO STA. 3994+93, 42.5' LT. | 1 | |
| ITEM 606.1724 BRIDGE TRANSITION - TYPE III MODIFIED | EA | |
| STA. 3984+76, 4.0' RT. TO STA. 3985+02, 4.0' RT. | 1 | |
| STA. 3993+72, 4.0' LT. TO STA. 3993+98, 4.0' LT. | 1 | |
| ITEM 606.64 GUARDRAIL THRIE BEAM - DOUBLE RAIL | LF | |
| STA. 3974+06, 7.1' LT. TO STA. 3984+76, 4.0' RT. | 1,075 | |
| STA. 3993+98, 4.0' LT TO STA. 4001+64, 6.6' RT. | 775 | |
| ITEM 606.701 ASYMMETRICAL THRIE BEAM TRANSITION | EA | |
| STA. 3974+06, 7.1' LT. | 2 | |
| STA. 4001+64, 6.6' RT. | 2 | |



- NOTES:**
1. SLOTTED DRAIN FROM 3999+50 TO 4000+00 SHALL BE REMOVED PRIOR TO FINAL GUARDRAIL INSTALLATION. REMAINING SLOTTED DRAIN SHALL BE CAPPED AT END. REPLACEMENT PAVEMENT DEPTHS AND TYPE SHALL MATCH TYPICAL SECTION. THIS WORK SHALL BE PAID FOR UNDER ITEM 203.20 - COMMON EXCAVATION.
 2. TIE EXISTING 12" RCP INTO PROPOSED F6 CATCH BASIN.
 3. CONTRACTOR SHALL DETERMINE INVERT ELEVATIONS OF CATCH BASIN OUTLET AND PIPE OUTLET BEFORE REMOVING EXISTING CATCH BASIN. PIPE OUTLET SIDE SLOPE CONDITIONS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND WORK SHALL BE CONSIDERED INCIDENTAL TO THE RCP CLASS III PAY ITEM.

| | | |
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| ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE YELLOW | LF | |
| SYLL - STA. 3975+00, NB TO STA. 4000+50, NB | 2,550 | |
| SWLL - STA. 3984+50, NB TO STA. 3994+00, NB | 950 | |
| BWLL - STA. 3984+50, NB TO STA. 3994+00, NB | 950 | |
| SYLL - STA. 3975+50, SB TO STA. 4000+50, SB | 2,550 | |
| SWLL - STA. 3984+75, SB TO STA. 3994+25, SB | 950 | |
| BWLL - STA. 3984+75, SB TO STA. 3994+25, SB | 950 | |

| | | |
|---|-----|--|
| ITEM 603.1515 SLOTTED DRAIN | LF | |
| STA. 3976+50, 0.28' LT. TO CATCH BASIN STA. 3984+28.26, 0.28' LT. | 780 | |
| STA. 3994+00, 0.80' RT. TO CATCH BASIN STA. 3997+24.10, 0.06' RT. | 330 | |
| CATCH BASIN STA. 3997+43.57, 0.13' RT. TO STA. 4000+00, 0.60' RT. | 260 | |



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
|-----|----------|----|------|
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| | By | Date | | By | Date |
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| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 GENERAL PLAN



SHEET NUMBER: GP-01
 19 OF 81

CONTRACT: 2025.06

Date: 1/15/2025

Filename: 019_Highway.dgn

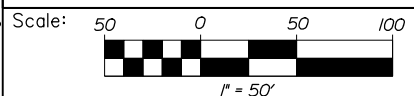
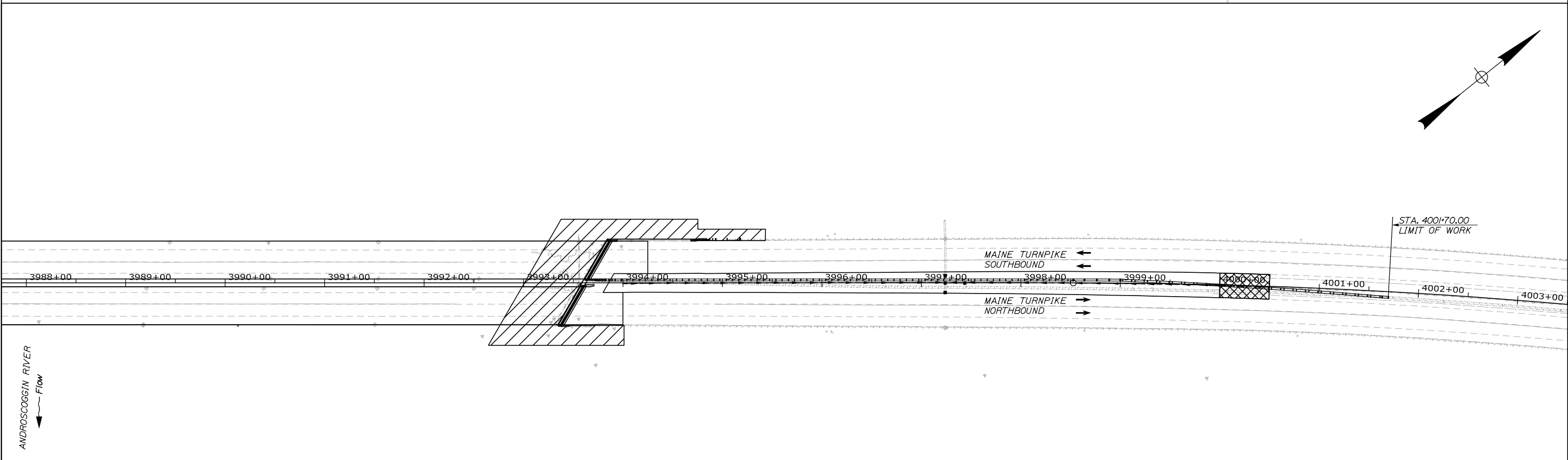
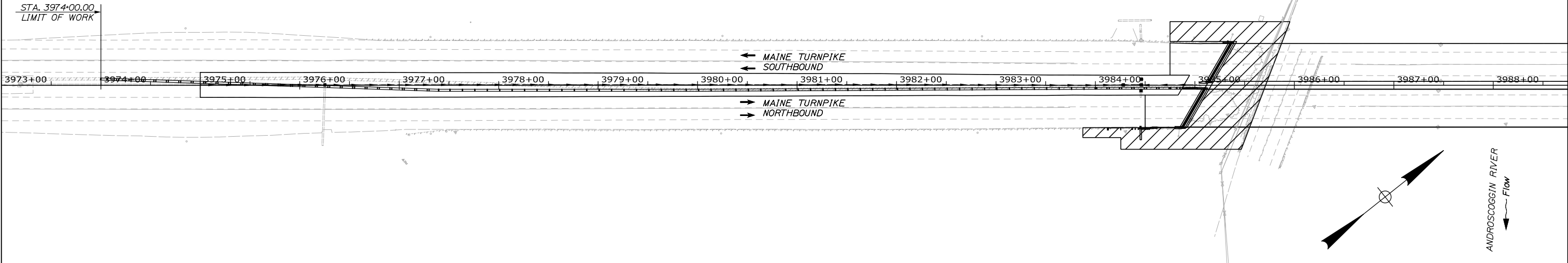
LEGEND:

-  THIS CONTRACT TEMPORARY LIMIT OF DISTURBANCE
21,422.30 SQ. FT. (0.49 ACRES)
-  THIS CONTRACT PERMANENT LIMIT OF DISTURBANCE
1,238.06 SQ. FT. (0.03 ACRES)
- THIS CONTRACT LIMIT OF DISTURBANCE
22,660.36 SQ. FT. (0.52 ACRES)

NOTES:

1. EROSION AND SEDIMENTATION CONTROL DEVICES REQUIRED FOR THE CONTRACTOR'S ACCESS LOCATIONS AND STORAGE AREAS WILL NOT BE MEASURED FOR PAYMENT.
2. SEE SPECIFICATIONS FOR CONTRACTOR'S SUBMITTAL REQUIREMENTS IF ADDING ADDITIONAL LIMITS OF DISTURBANCE TO THE PROJECT ESTIMATED QUANTITIES.
3. TOTAL LIMIT OF DISTURBANCE FOR THIS PROJECT HAS BEEN ESTIMATED TO BE 0.52 ACRES.

Date: 1/15/2025



Designed by:

HNTB

| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

LIMIT OF DISTURBANCE

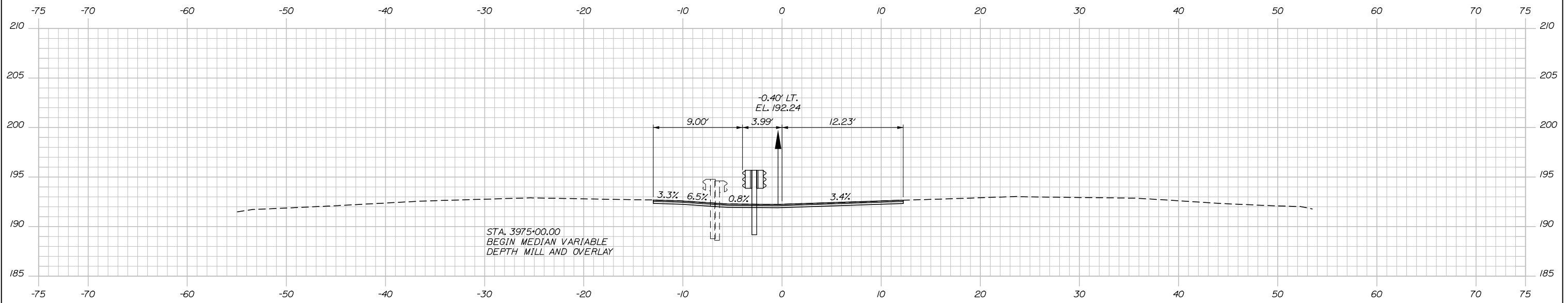
SHEET NUMBER: LOD-01
20 OF 81

CONTRACT: 2025.06

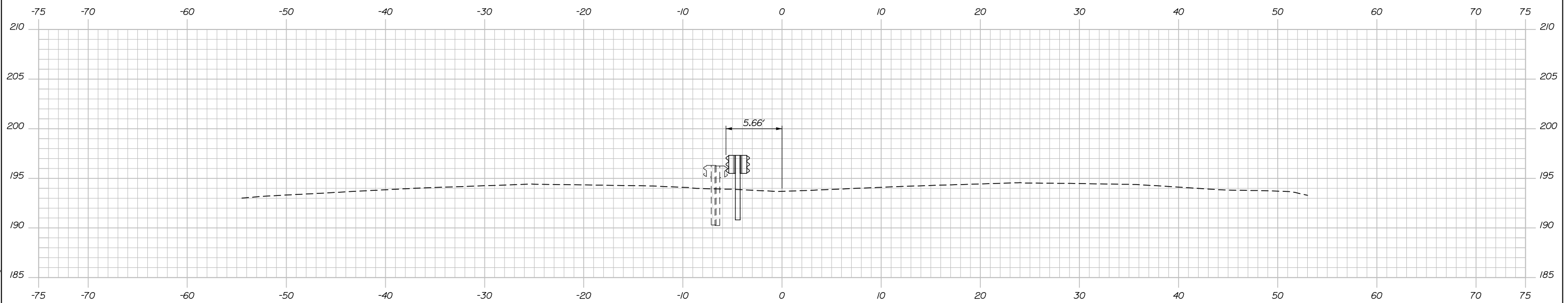
Filename: 020_LOD_Plan.dgn

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3975+00.00



3974+50.00

STA. 3974+06, 7.1' LT. TO STA. 3984+76, 4.0' RT.
INSTALL 1,075 LF GUARDRAIL THRIE BEAM - DOUBLE RAIL

STA. 3974+00, 7.1' LT.
INSTALL ASYMMETRICAL THRIE BEAM TRANSITION

STA. 3974+00.00
LIMIT OF WORK



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THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3974+50 TO STA. 3975+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
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| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

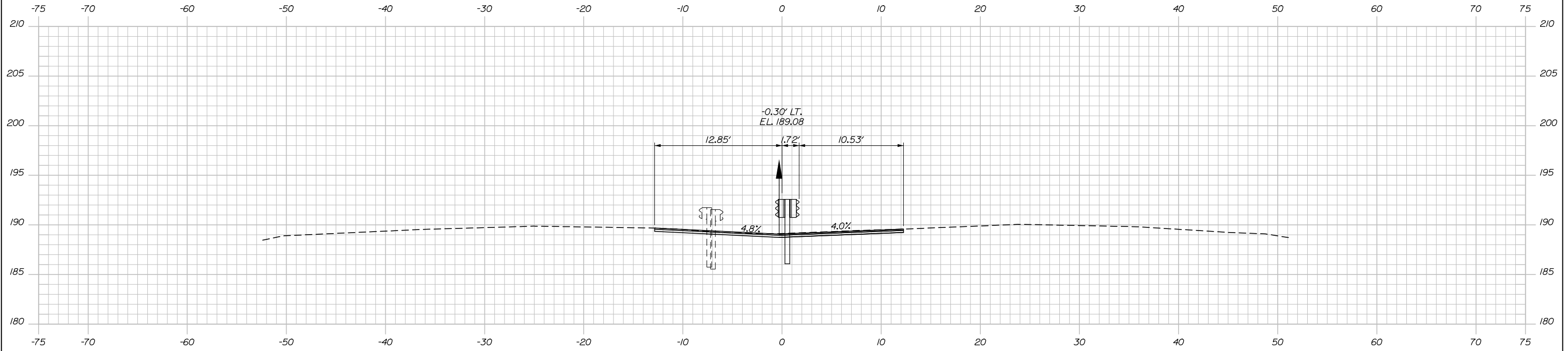
CONTRACT: 2025.06

SHEET NUMBER: XS-01

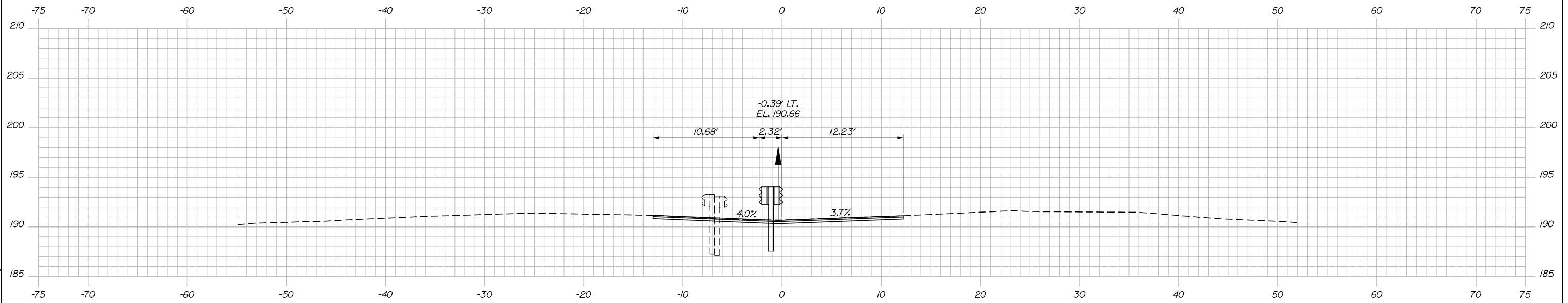
21 OF 81

Date: 1/15/2025

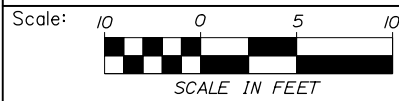
Filename: 021-40_XSect - MTA Centerline.dgn



3976+00.00



3975+50.00



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THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3975+50 TO STA. 3976+00

| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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| Designed | PDB | 01\2025 | LZD | TRC | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

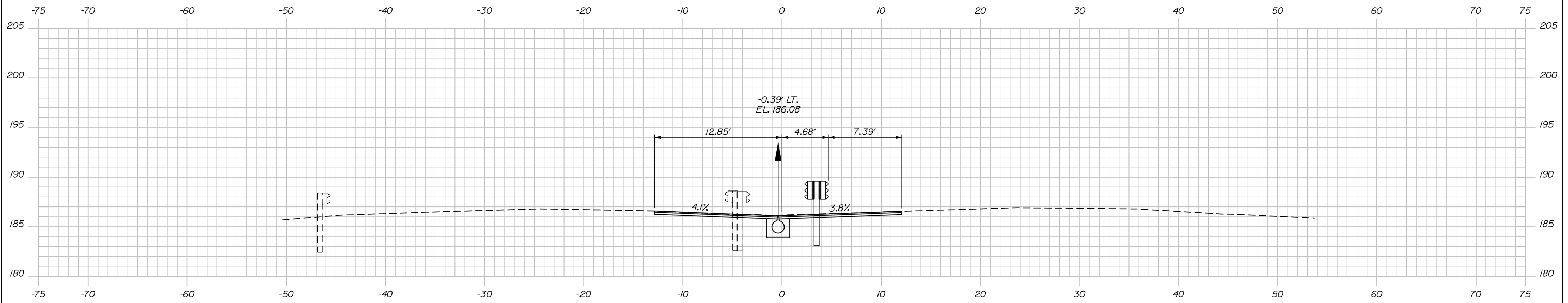
CONTRACT: 2025.06

SHEET NUMBER: XS-02

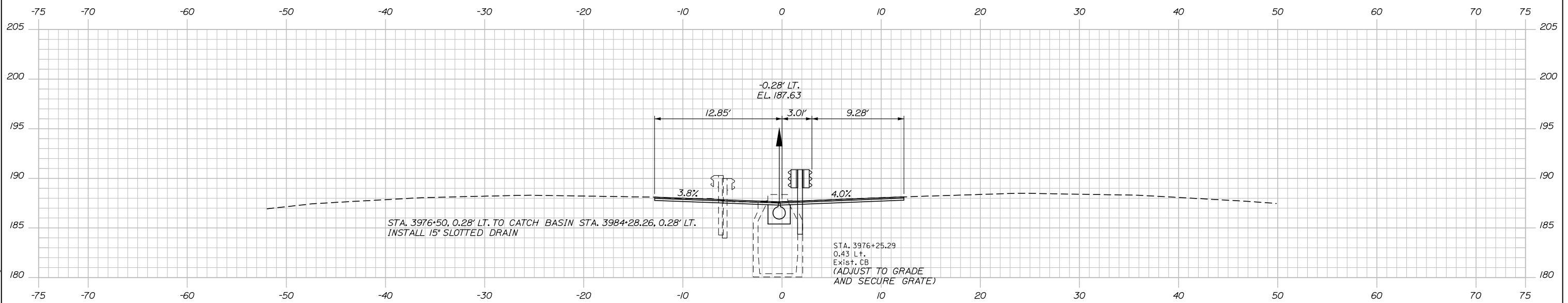
22 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3977+00.00



3976+50.00



| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

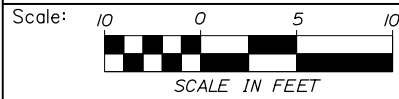
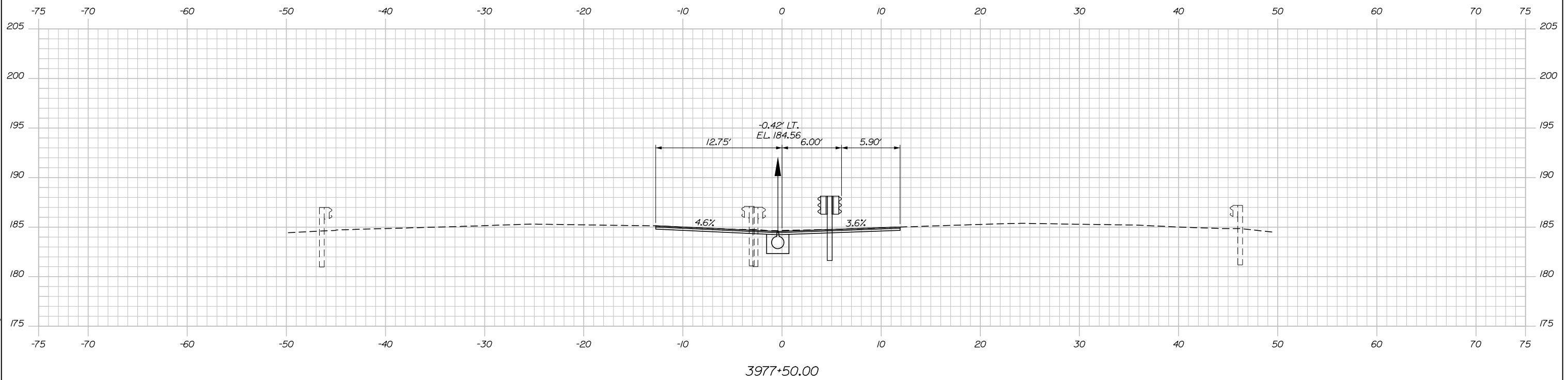
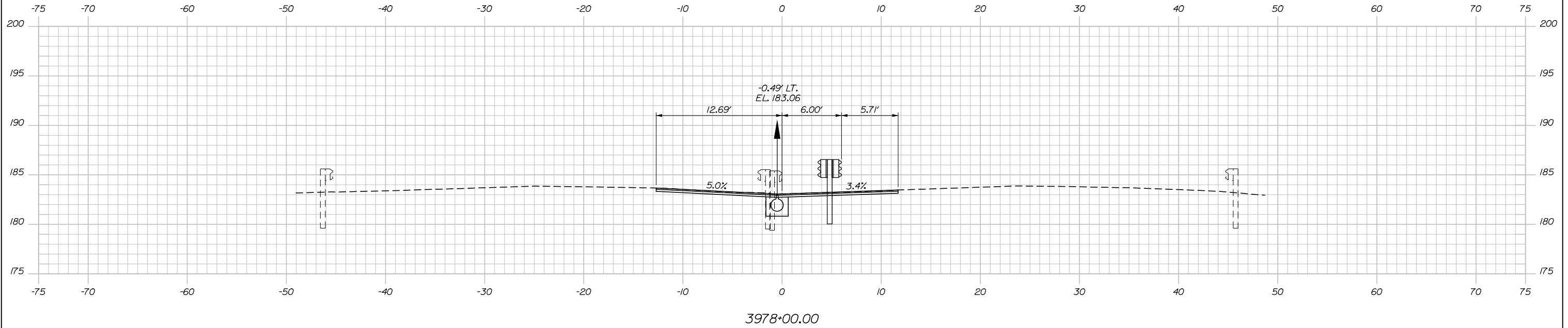
STA. 3976+50 TO STA.3977+00

SHEET NUMBER: XS-03
23 OF 81

CONTRACT: 2025.06

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 3977+50 TO STA. 3978+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| Designed | By | Date | Checked | By | Date |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

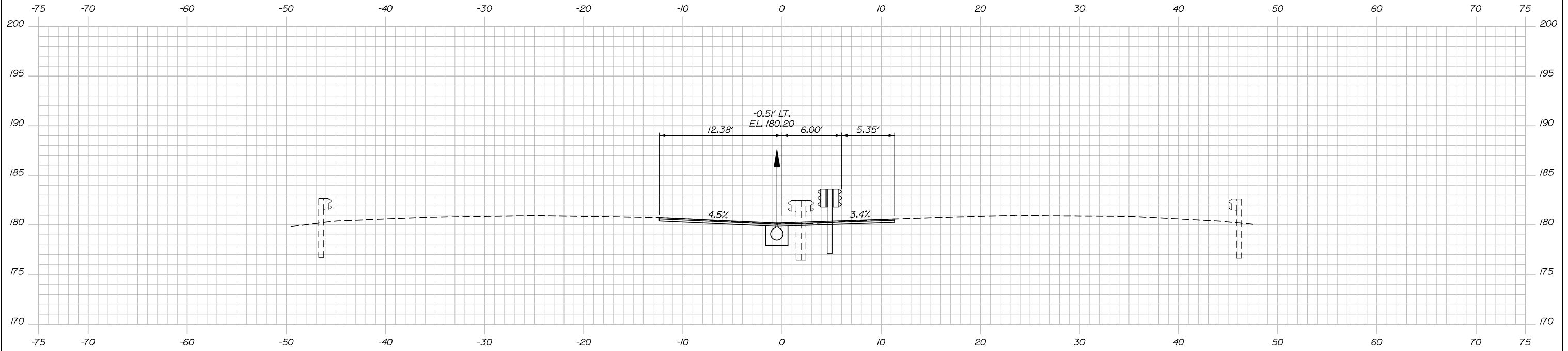
CONTRACT: 2025.06

SHEET NUMBER: XS-04

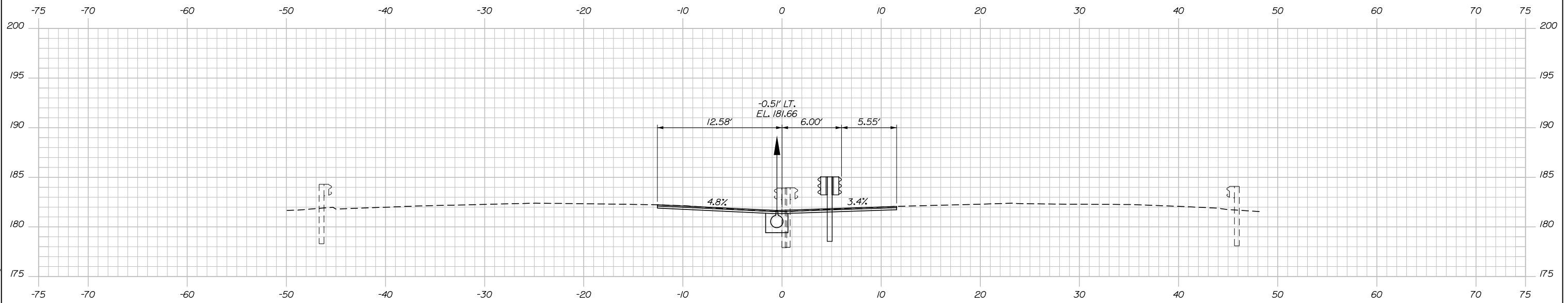
24 OF 81

Date: 1/15/2025

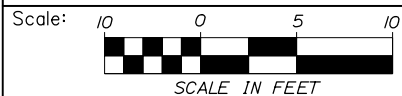
Filename: 021-40_XSect - MTA Centerline.dgn



3979+00.00



3978+50.00



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THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3978+50 TO STA. 3979+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

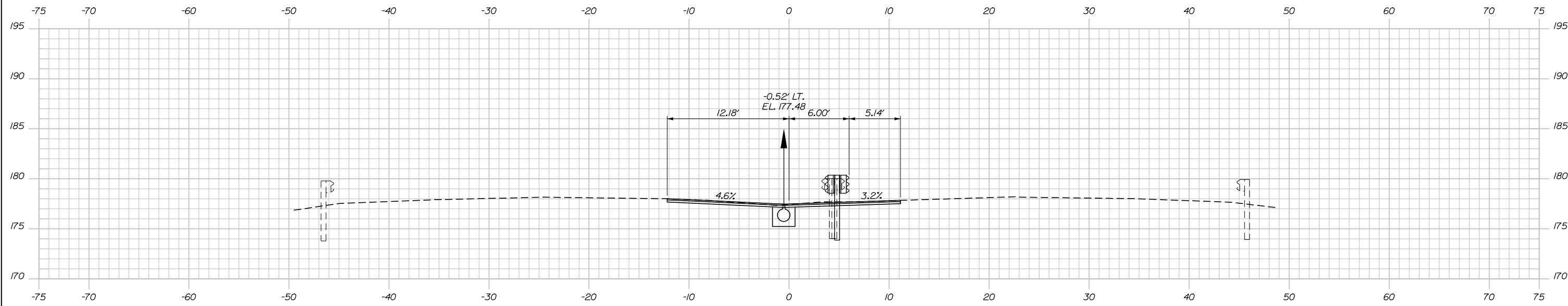
CONTRACT: 2025.06

SHEET NUMBER: XS-05

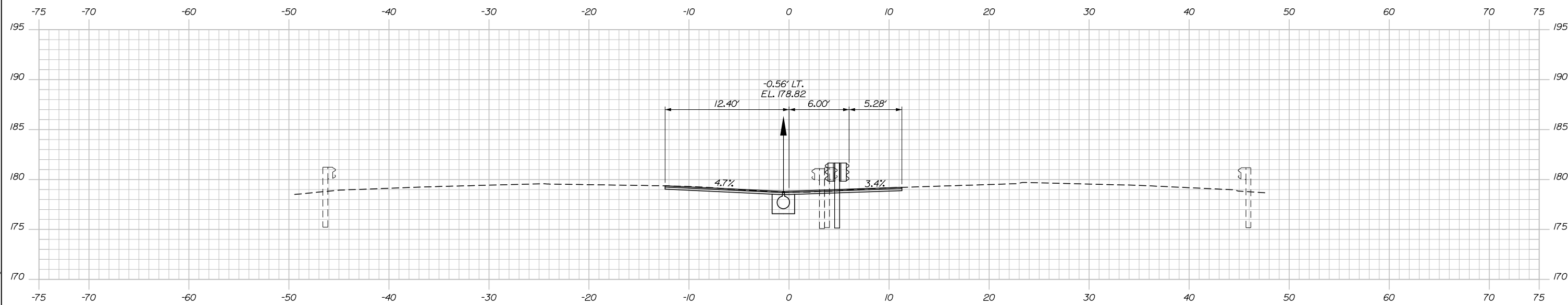
25 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3980+00.00



3979+50.00



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THE GOLD STAR
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ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3979+50 TO STA. 3980+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
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MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

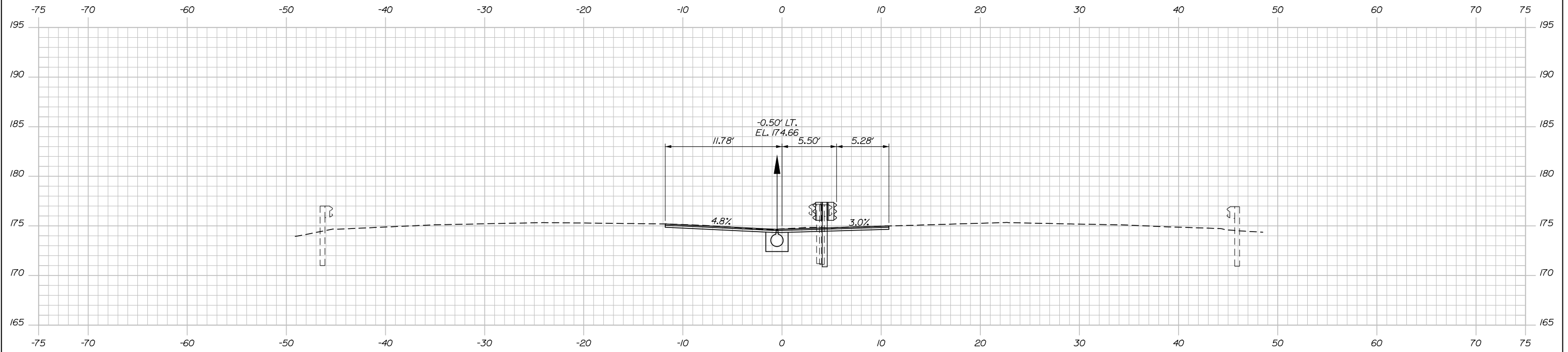
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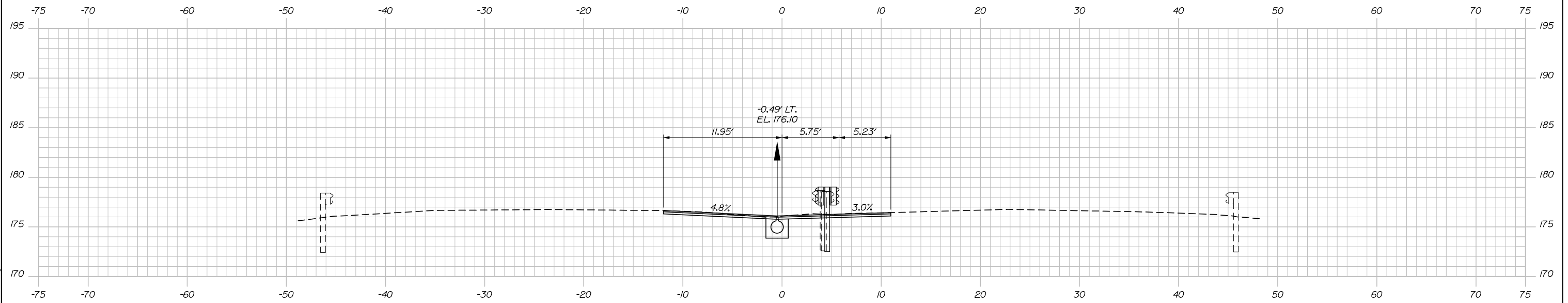
26 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3981+00.00



3980+50.00



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THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3980+50 TO STA. 3981+00

| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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| Designed | PDB | 01\2025 | LZD | TRC | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

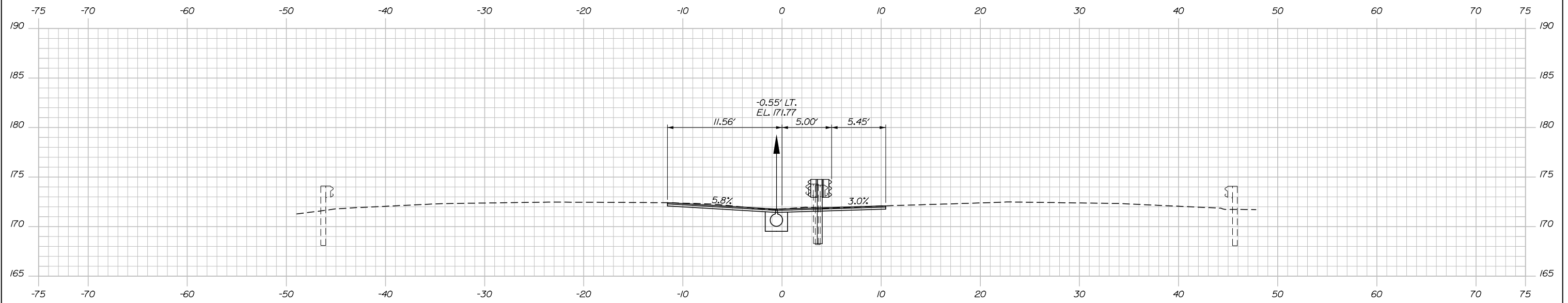
CONTRACT: 2025.06

SHEET NUMBER: XS-07

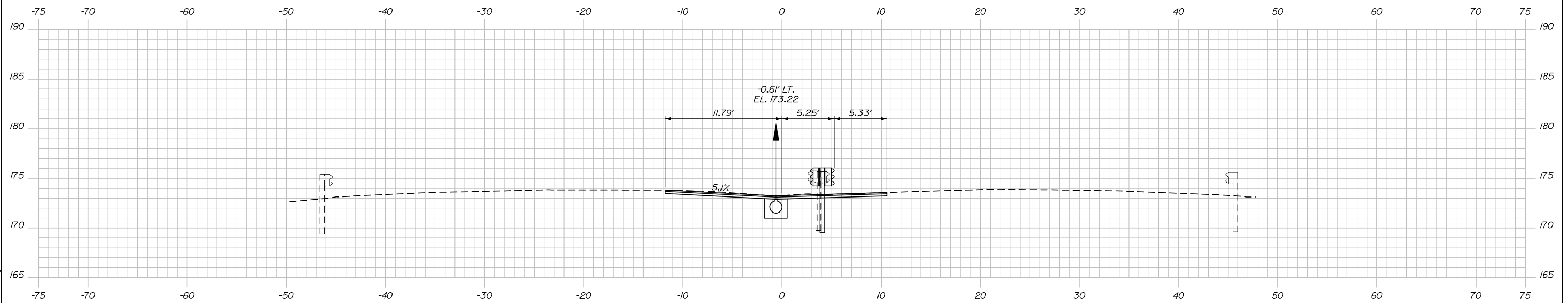
27 OF 81

Date: 1/15/2025

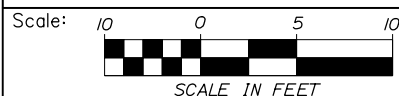
Filename: 021-40_XSect - MTA Centerline.dgn



3982+00.00



3981+50.00



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 3981+50 TO STA. 3982+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
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| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

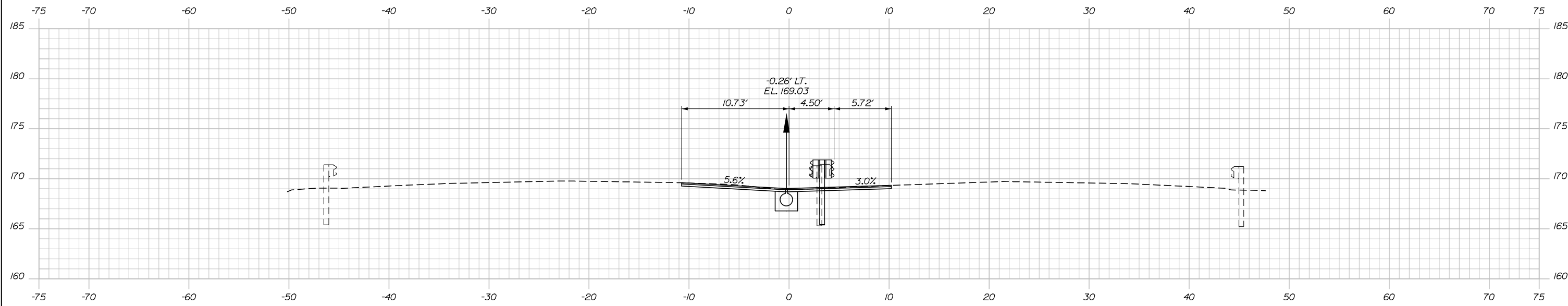
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SHEET NUMBER: XS-08

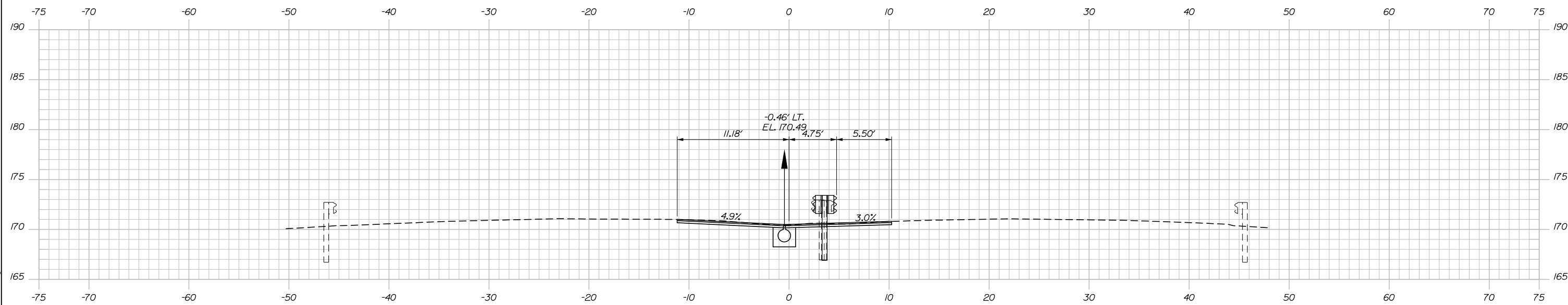
28 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3983+00.00



3982+50.00



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 3982+50 TO STA. 3983+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
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| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

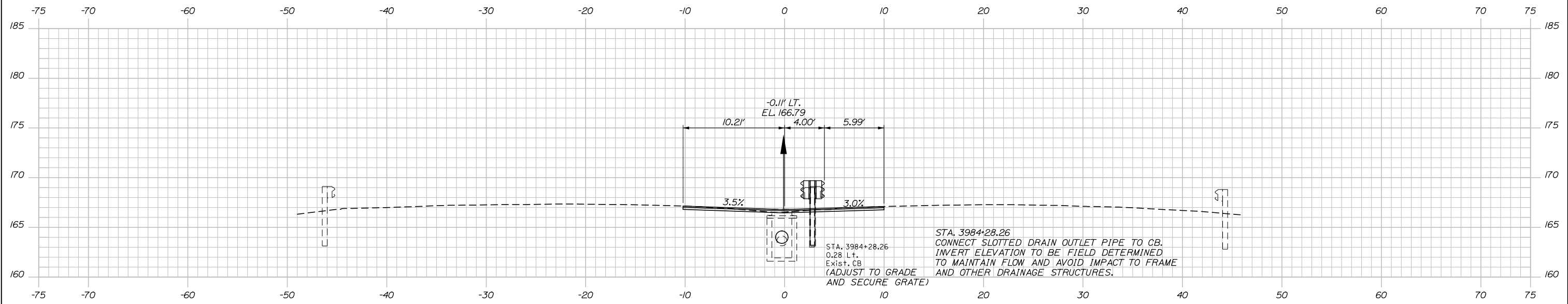
CONTRACT: 2025.06

SHEET NUMBER: XS-09

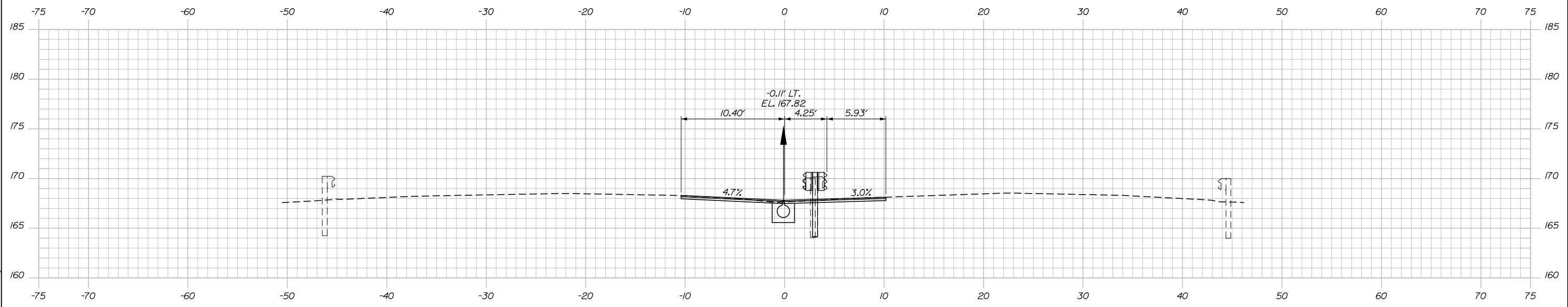
29 OF 81

Date: 1/15/2025

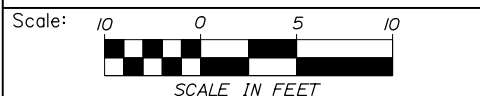
STA. 3984+12, 43.1' RT. TO STA. 3984+37, 42.7' RT.
INSTALL 25 LF GUARDRAIL TYPE 3d - SINGLE RAIL



3984+00.00



3983+50.00



Designed by:

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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

**ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR**

STA. 3983+50 TO STA. 3984+00

CONTRACT: 2025.06

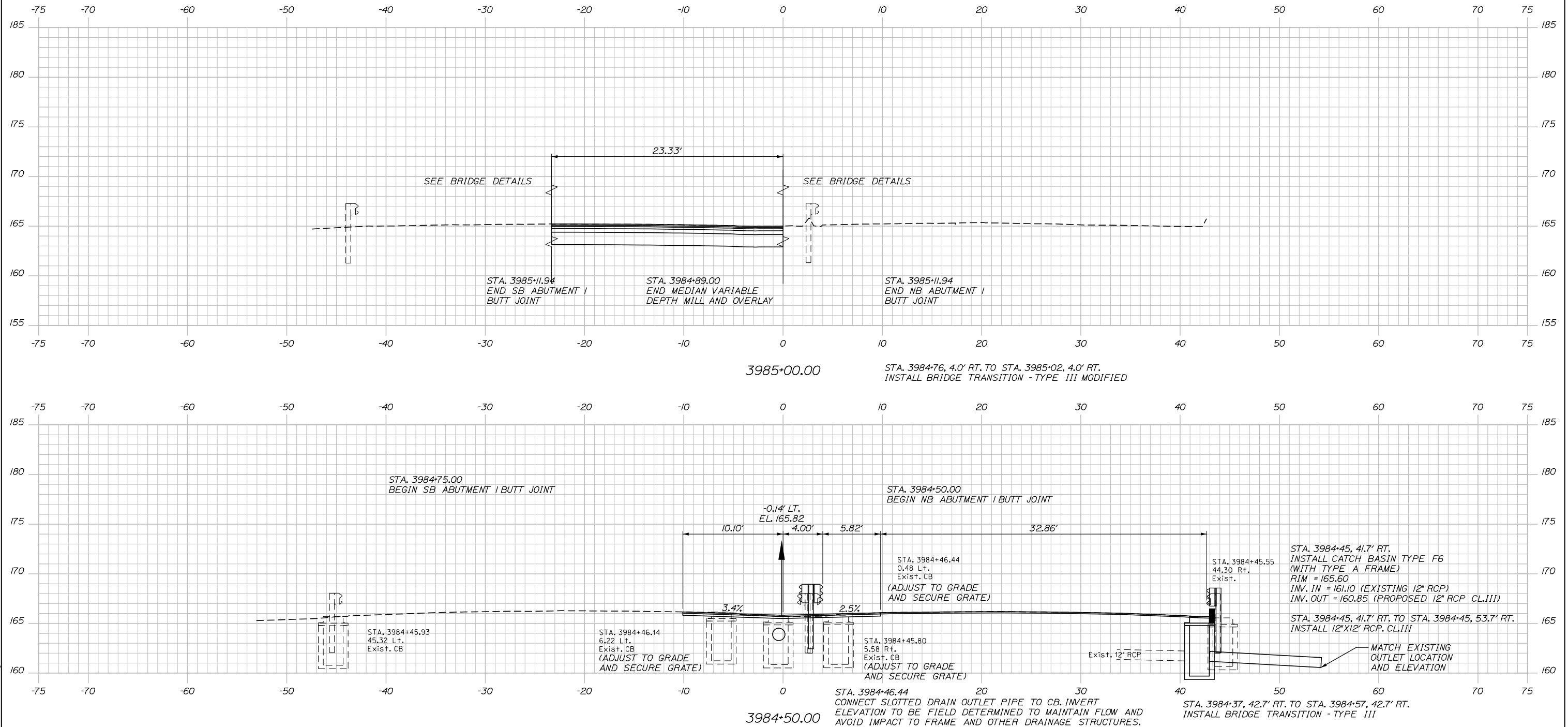
SHEET NUMBER: XS-10

30 OF 81

Filename: 021-40_XSect - MTA Centerline.dgn

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



Scale: 1" = 10'

| No. | Revision | By | Date |
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

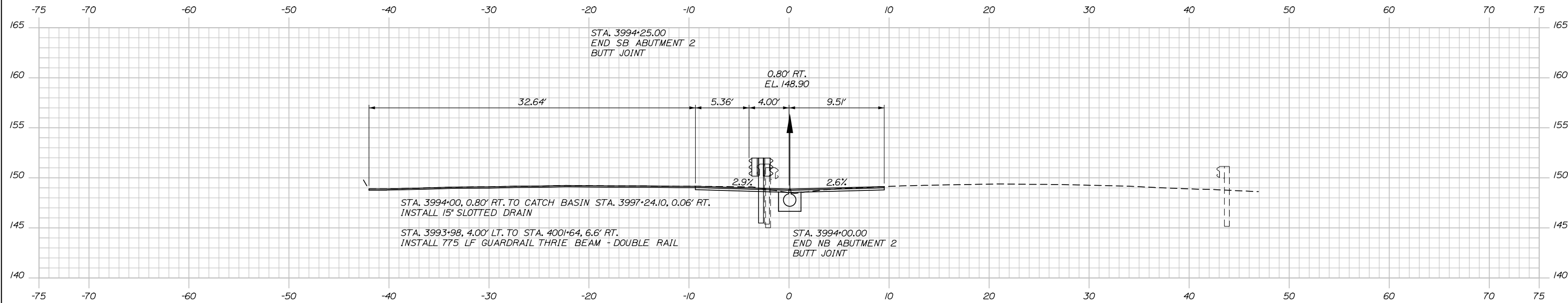
ANDROSCOGGIN RIVER OVERPASS BRIDGE REPAIR

STA. 3984+50 TO STA. 3985+00

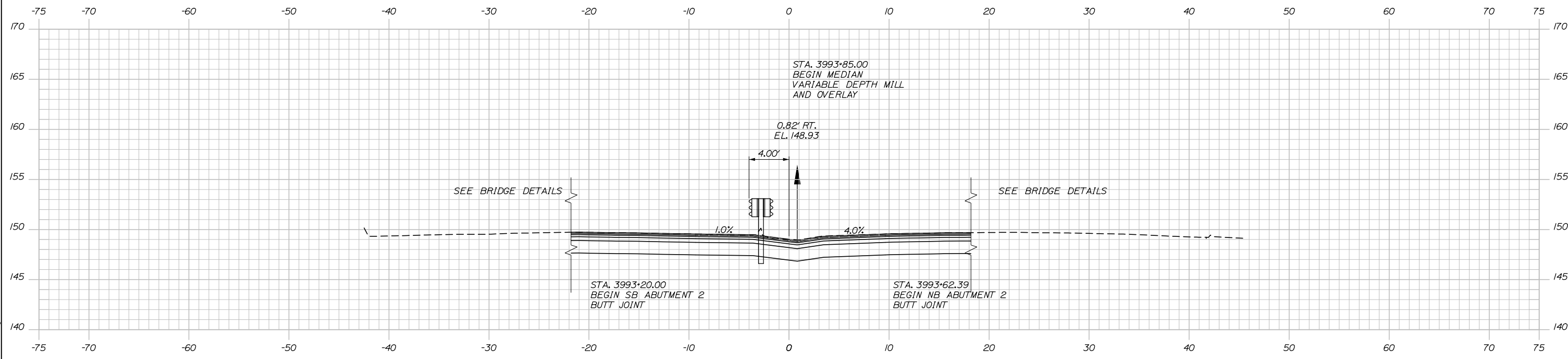
SHEET NUMBER: XS-11
 CONTRACT: 2025.06
 31 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3994+00.00



3993+75.00



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 3993+75 TO STA. 3994+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

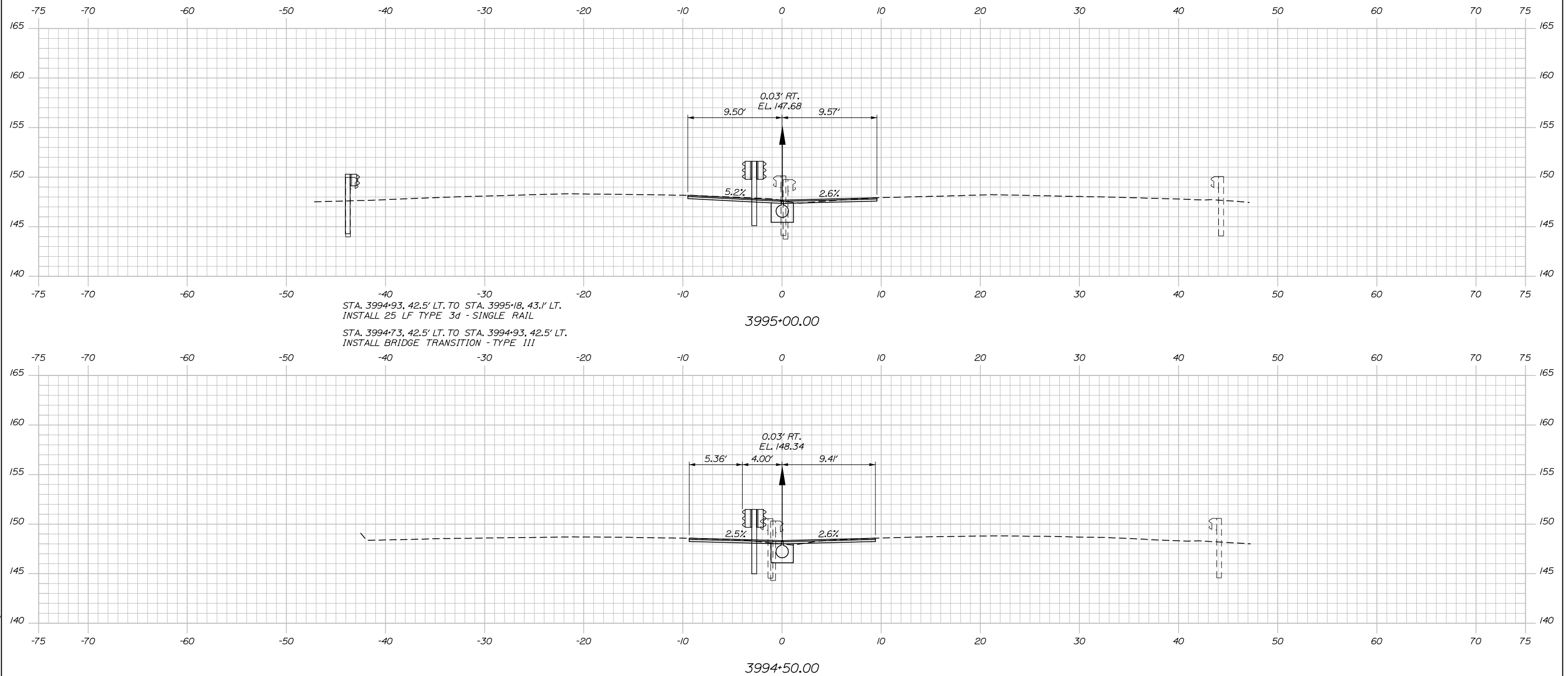
CONTRACT: 2025.06

SHEET NUMBER: XS-12

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Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



Designed by:

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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

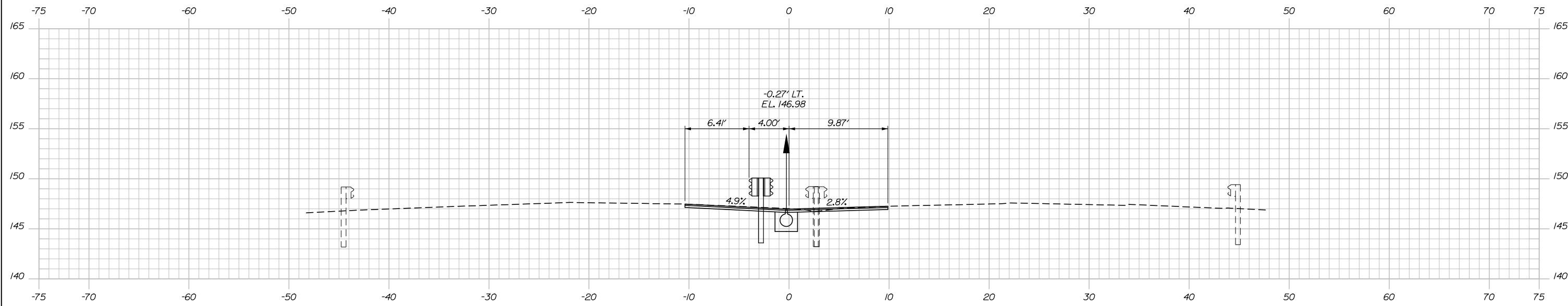
STA. 3994+50 TO STA.3995+00

SHEET NUMBER: XS-13
 33 OF 81

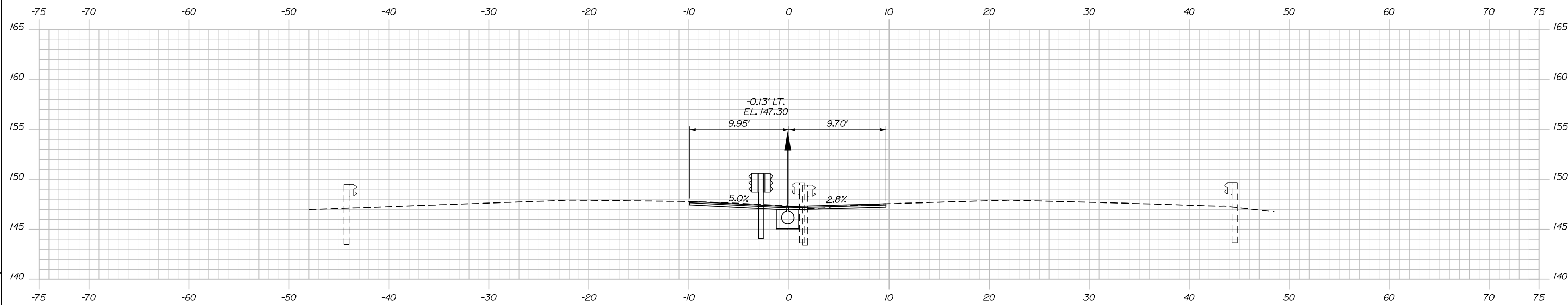
CONTRACT: 2025.06

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3996+00.00



3995+50.00



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 3995+50 TO STA. 3996+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

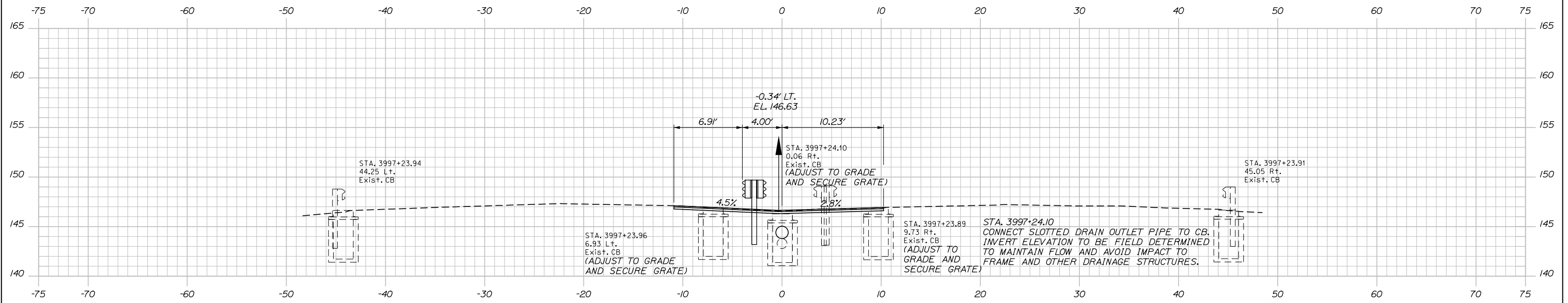
CONTRACT: 2025.06

SHEET NUMBER: XS-14

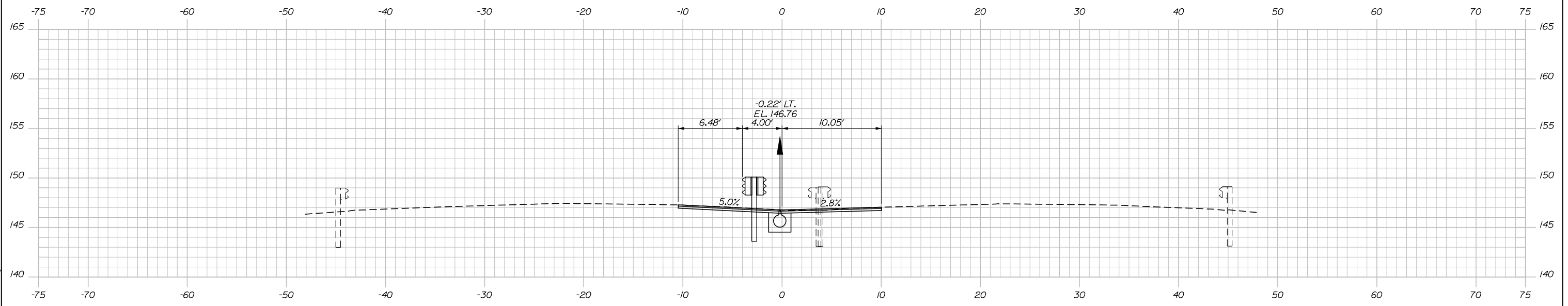
34 OF 81

Date: 1/15/2025

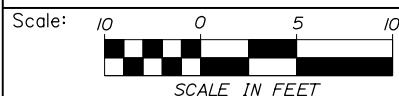
Filename: 021-40_XSect - MTA Centerline.dgn



3997+00.00



3996+50.00



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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
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| | By | Date | | By | Date |
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

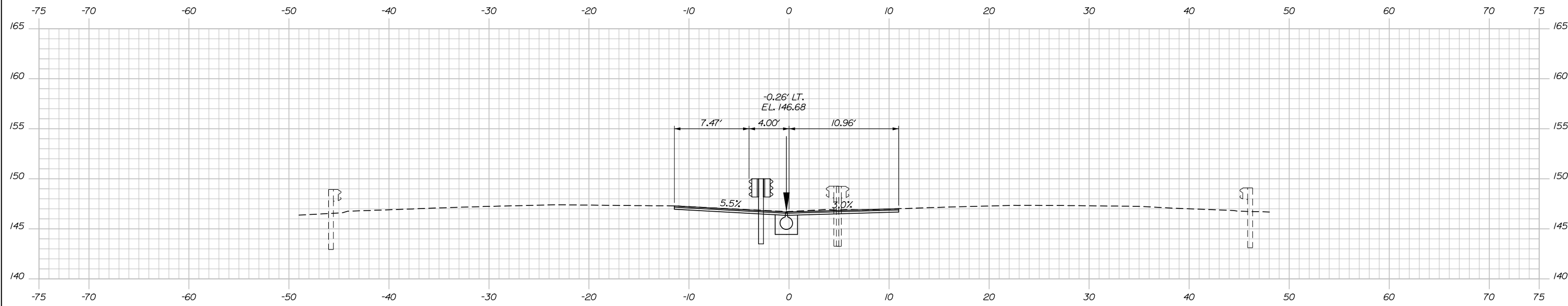
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 3996+50 TO STA.3997+00

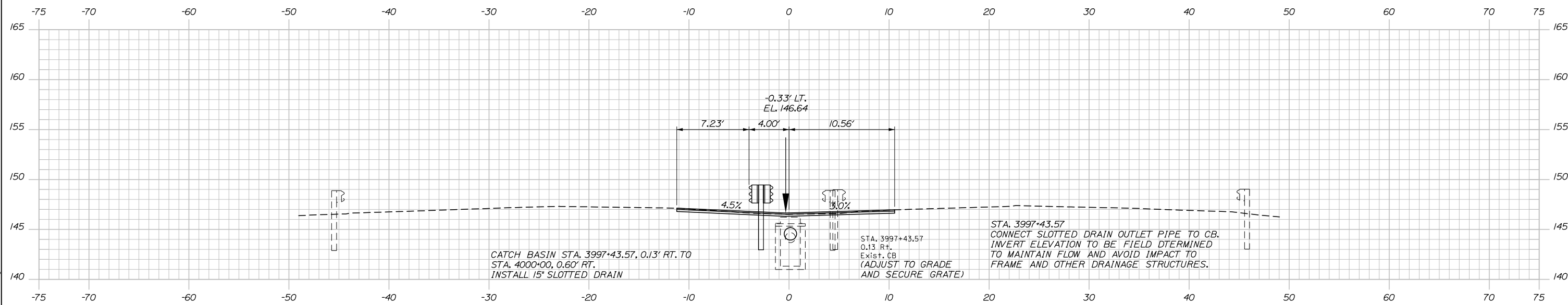
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CONTRACT: 2025.06
35 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3998+00.00

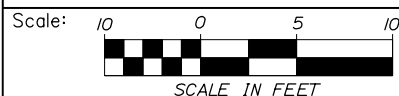


3997+50.00

CATCH BASIN STA. 3997+43.57, 0.13' RT. TO
STA. 4000+00, 0.60' RT.
INSTALL 15" SLOTTED DRAIN

STA. 3997+43.57
0.13 RT.
Exist. CB
(ADJUST TO GRADE
AND SECURE GRATE)

STA. 3997+43.57
CONNECT SLOTTED DRAIN OUTLET PIPE TO CB.
INVERT ELEVATION TO BE FIELD DETERMINED
TO MAINTAIN FLOW AND AVOID IMPACT TO
FRAME AND OTHER DRAINAGE STRUCTURES.



| No. | Revision | By | Date |
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| | By | Date | Checked | By | Date |
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| Designed | PDB | 01\2025 | LZD | LZD | 01\2025 |
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

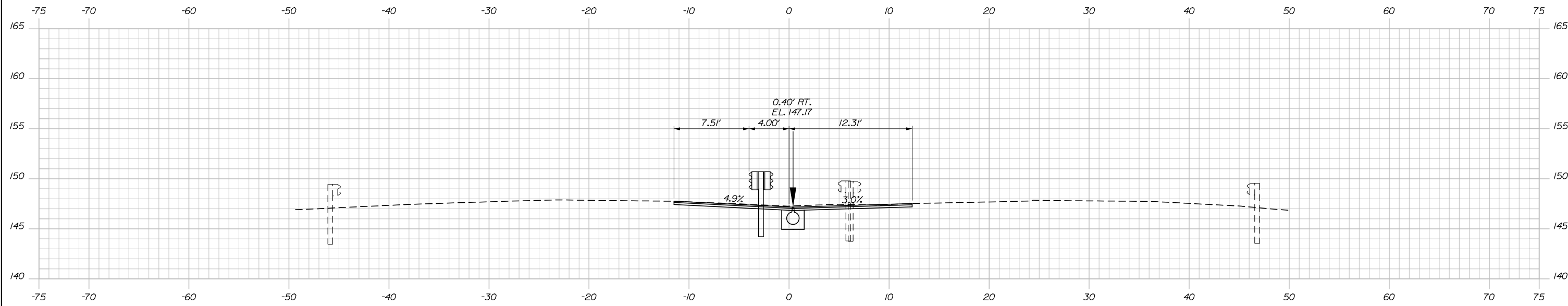
**ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR**

STA. 3997+50 TO STA.3998+00

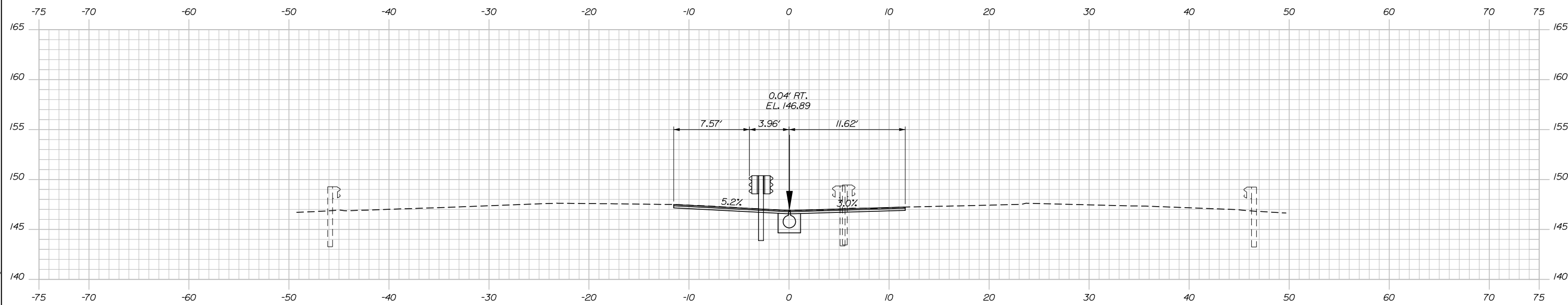
SHEET NUMBER: XS-16
CONTRACT: 2025.06
36 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



3999+00.00



3998+50.00



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THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3998+50 TO STA.3999+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
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| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

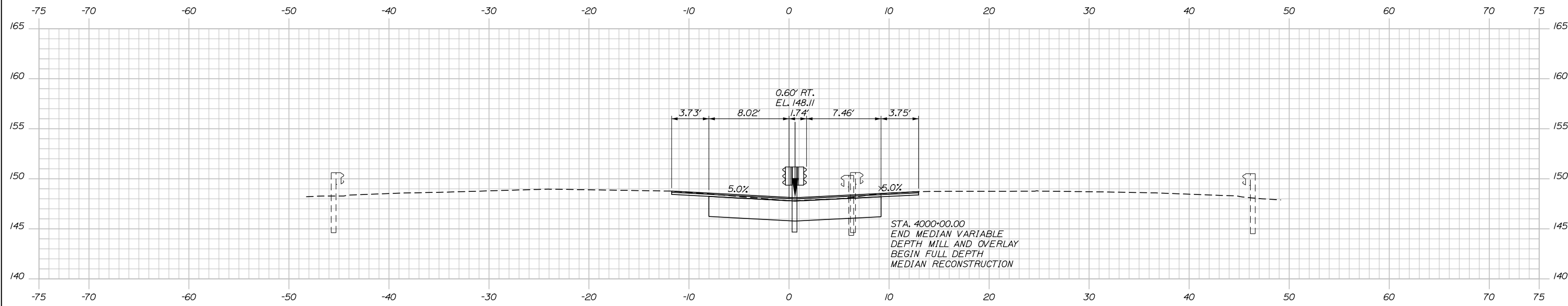
CONTRACT: 2025.06

SHEET NUMBER: XS-17

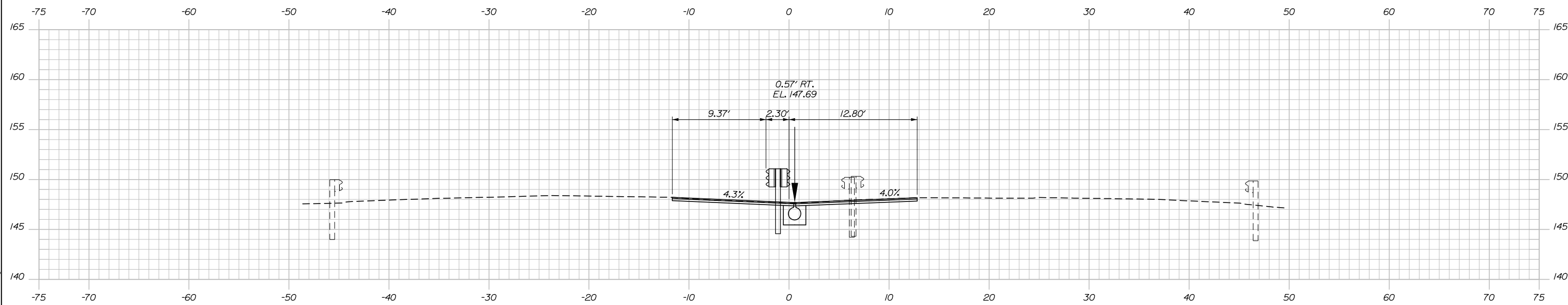
37 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



4000+00.00



3999+50.00



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THE GOLD STAR
 MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 3999+50 TO STA. 4000+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| Designed | PDB | 01\2025 | Checked | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

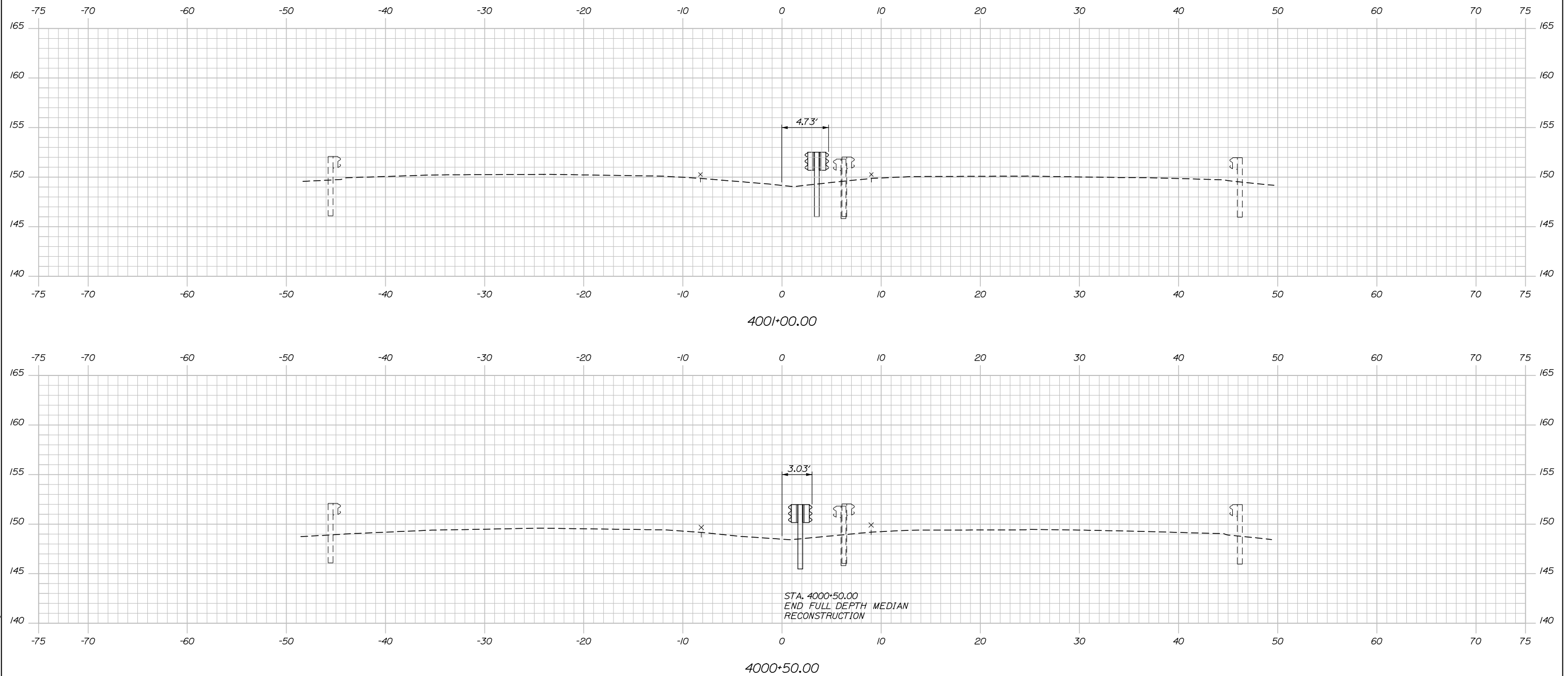
CONTRACT: 2025.06

SHEET NUMBER: XS-18

38 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



Designed by:

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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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| Designed | PDB | 01\2025 | LZD | LZD | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

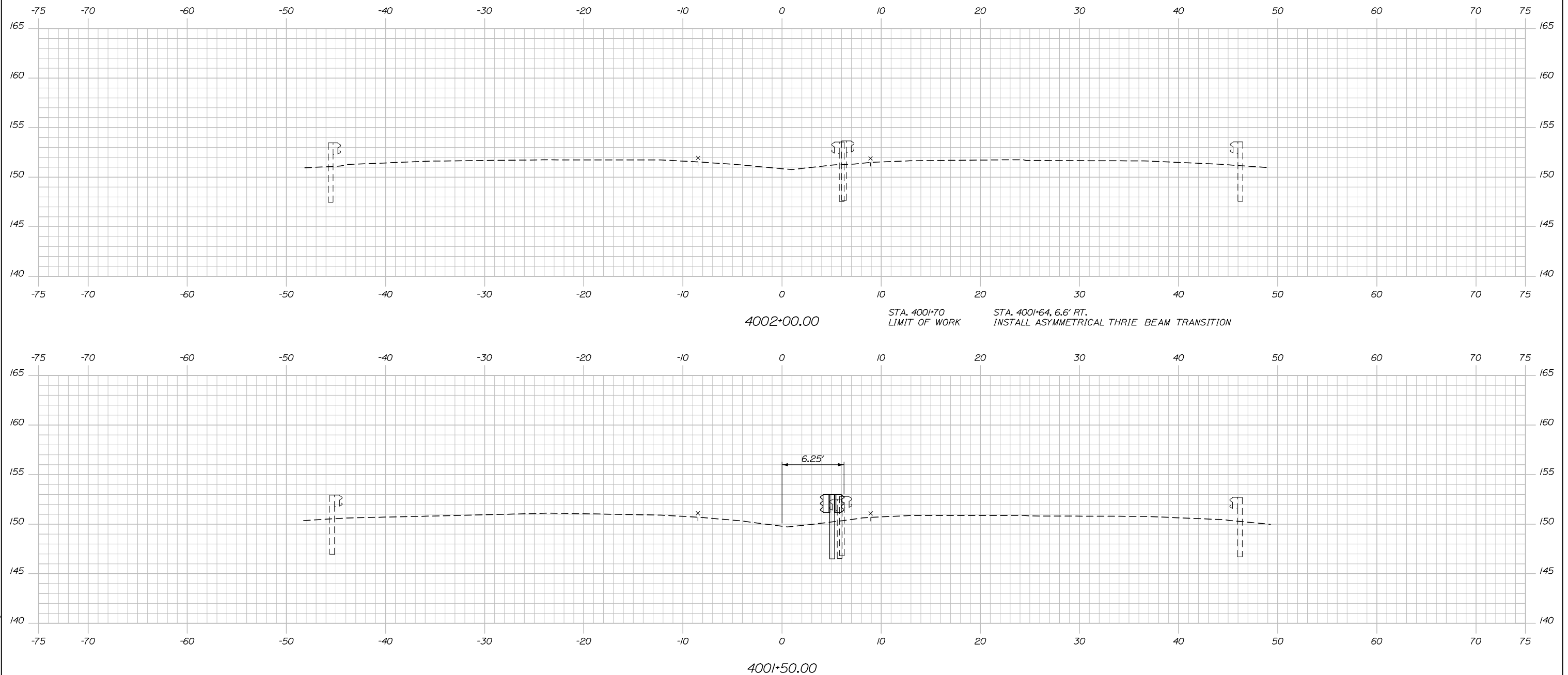
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

STA. 4000+50 TO STA. 4001+00

SHEET NUMBER: XS-19
CONTRACT: 2025.06
39 OF 81

Date: 1/15/2025

Filename: 021-40_XSect - MTA Centerline.dgn



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THE GOLD STAR
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ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

STA. 4001+50 TO STA. 4002+00

| No. | Revision | By | Date |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | Checked | By | Date |
| | Designed | PDB 01\2025 | LZD 01\2025 | | |
| | Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 | |

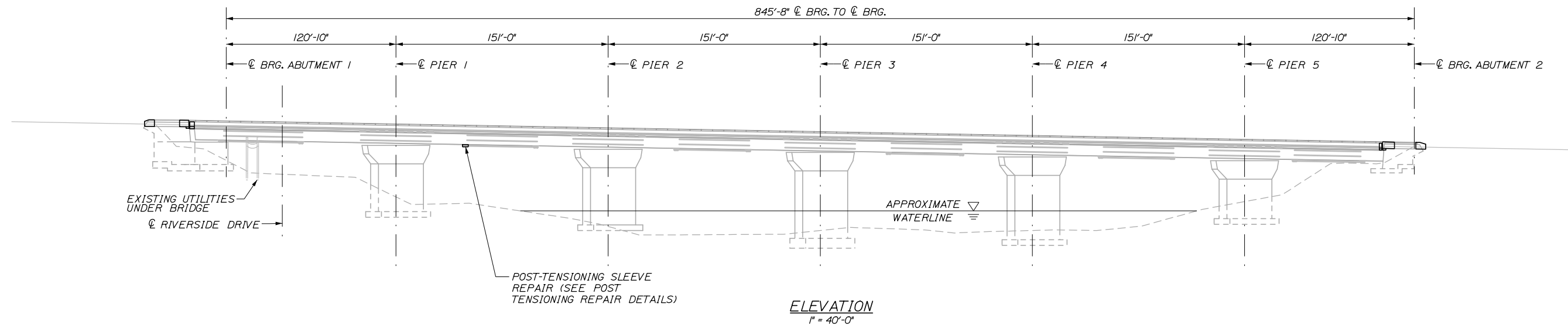
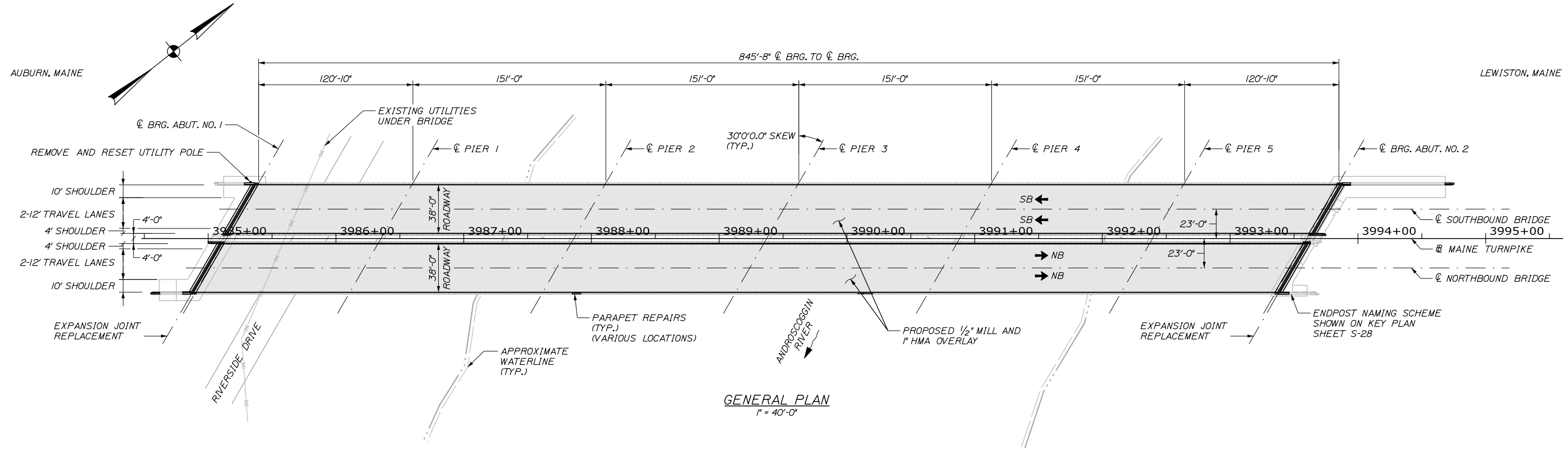
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

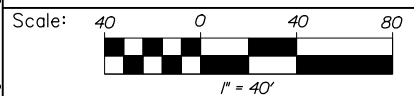
SHEET NUMBER: XS-20

40 OF 81

Date: 1/15/2025



Filename: 041_Bridge_GFP&E.dgn



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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

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| | By | Date | | By | Date |
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| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

BRIDGE GENERAL PLAN AND ELEVATION

SHEET NUMBER: S-01

CONTRACT: 2025.06

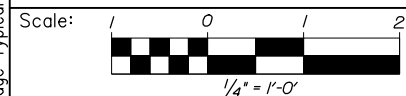
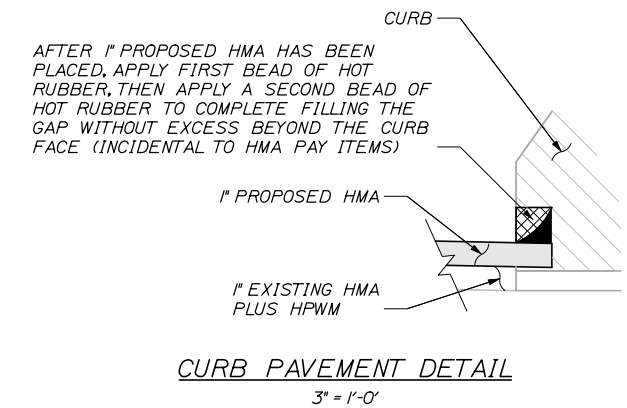
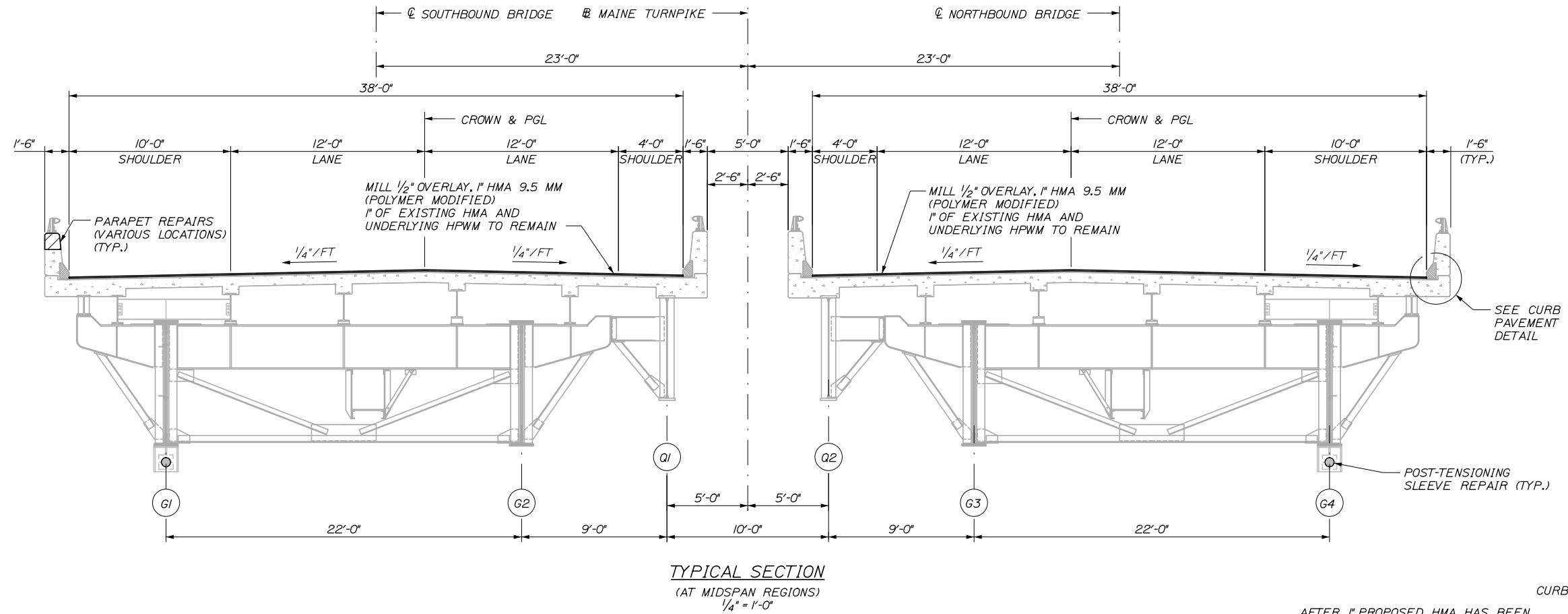
41 OF 81

Date: 1/15/2025

Filename: 042_Bridge_Typical Section.dgn

NOTES:

1. FOR POST-TENSIONING SLEEVE REPAIR DETAILS, SEE POST TENSIONING SLEEVE REPAIR DETAILS SHEET.
2. FOR PARAPET REPAIR DETAILS, SEE PARAPET REPAIR SHEETS.
3. FOR EXPANSION JOINT REPLACEMENT DETAILS SEE JOINT REPLACEMENT DETAILS SHEETS.
4. HPWM IS AN ABBREVIATION FOR HIGH PERFORMANCE WATERPROOFING MEMBRANE.



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HNTB

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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
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| Designed | BRG | 01\2025 | GLT | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

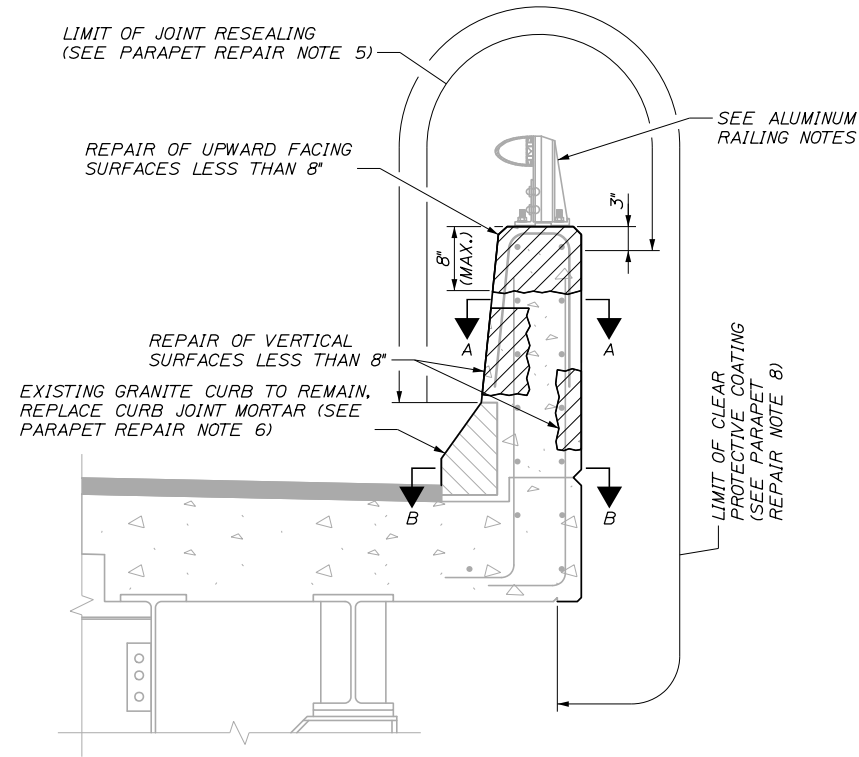
**ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR**

BRIDGE TYPICAL SECTION

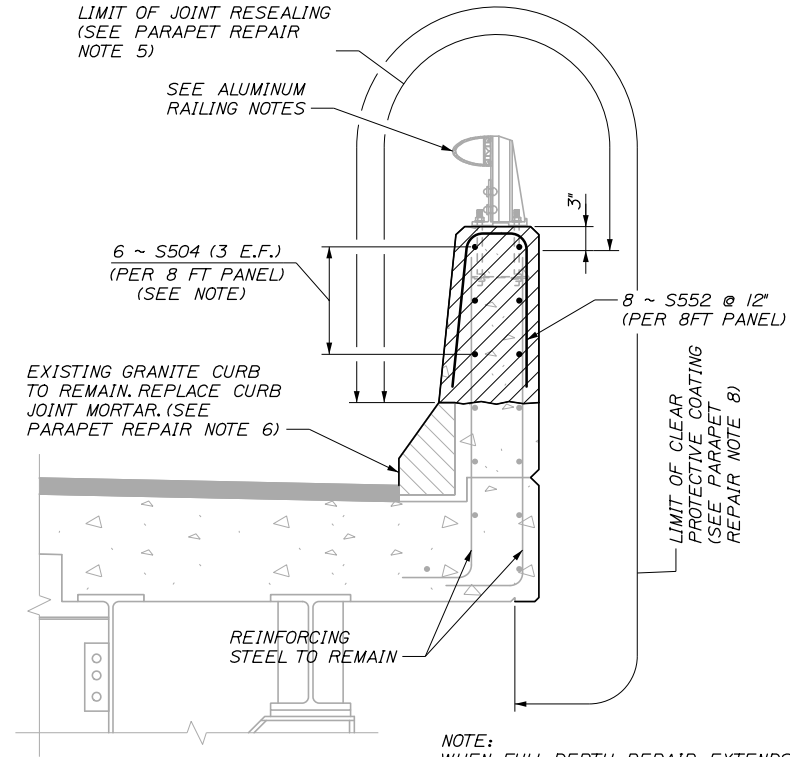
SHEET NUMBER: S-02
CONTRACT: 2025.06
42 OF 81

Date: 1/15/2025

Filename: 043_Parapet Repair Notes and Details.dgn



PARAPET PARTIAL DEPTH REPAIR DETAIL
1" = 1'-0"



PARAPET FULL DEPTH REPAIR DETAIL
1" = 1'-0"

NOTE:
WHEN FULL DEPTH REPAIR EXTENDS ONLY PARTIAL LENGTH OF PARAPET SEGMENT, EXISTING LONGITUDINAL BARS TO REMAIN

GENERAL NOTES:

1. SHIELDING IS REQUIRED FOR ALL PARTIAL AND FULL DEPTH PARAPET REPAIR LOCATIONS ON THE TOP AND EXTERIOR FACES OF THE PARAPET. SEE SPECIAL PROVISION 524.
2. THE TOTAL QUANTITY FOR REPAIR OF UPWARD FACING AND VERTICAL SURFACES < 8 INCHES INCLUDES A 25% CONTINGENCY INCREASE. FULL DEPTH REPAIRS (REPAIRS > 8 INCHES) ALSO INCLUDES A 25% CONTINGENCY INCREASE IN VOLUME. EPOXY INJECTION CRACK REPAIR IS ROUNDED UP TO THE NEAREST 100 LF AS CONTINGENCY.
3. PARAPET AND ENDPPOST RECONSTRUCTION AT BRIDGE JOINTS SHALL BE MEASURED FOR PAYMENT UNDER PAY ITEM 502.264, STRUCTURAL CONCRETE PARAPETS.

PARAPET REPAIR NOTES:

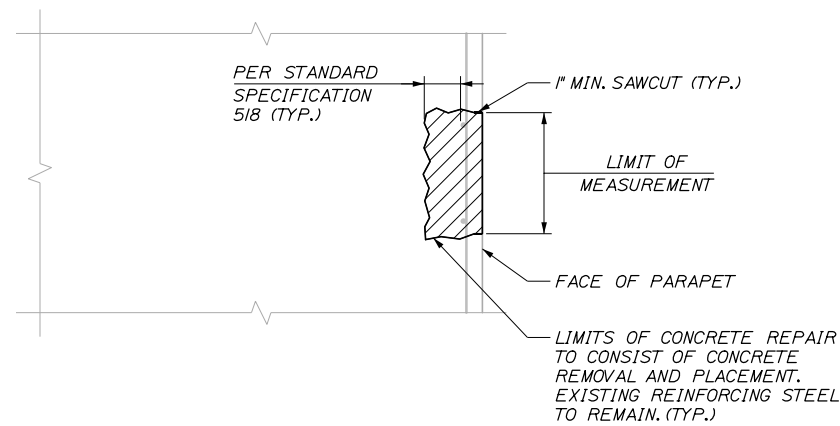
1. SEE PLAN SHEETS FOR ANTICIPATED REPAIR LOCATIONS. THE AREAS DELINEATED REPRESENT OBVIOUS LOCATIONS OF REPAIR. ACTUAL LOCATIONS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT. IF THE REPAIR LIMITS CHANGE DURING THE REPAIR PROCESS, THE CONTRACTOR SHALL NOTIFY THE RESIDENT. THE RESIDENT AND CONTRACTOR SHALL AGREE ON THE REVISED PAY LIMITS PRIOR TO THE CONTRACTOR CONTINUING THE REMOVALS.
2. ALL AREAS OF CONCRETE REMOVAL SHALL BE DELINEATED WITH A 1 INCH DEEP SAWCUT.
3. AREAS OF PARTIAL DEPTH PARAPET REPAIR SHALL BE COMPLETED USING CLASS AAA MODIFIED CONCRETE. AREAS OF FULL DEPTH PARAPET REPAIR SHALL BE COMPLETED USING CLASS AAA CONCRETE. SEE SPECIAL PROVISION 518 FOR ADDITIONAL REQUIREMENTS.
4. BRIDGE PARAPET CRACKS GREATER THAN 1/8" SHALL BE REPAIRED AS DIRECTED BY THE RESIDENT AND MEASURED FOR PAYMENT UNDER PAY ITEM 518.40, EPOXY INJECTION CRACK REPAIR.
5. ALL EXISTING PARAPET JOINTS SHALL HAVE THE EXISTING POLYURETHANE SEALANT REMOVED AND REPLACED PER SPECIAL PROVISION 518 AND TO THE LIMITS SHOWN IN SECTIONS A-A AND B-B.
6. DETERIORATED GRANITE CURB MORTAR JOINTS SHALL BE REPAIRED AS DIRECTED BY THE RESIDENT AND MEASURED FOR PAYMENT UNDER PAY ITEM 518.39, GRANITE CURB JOINT MORTAR REPAIR.
7. ALL CONCRETE SURFACES TO RECEIVE PROTECTIVE COATINGS SHALL BE PRESSURED WASHED PRIOR TO THE APPLICATION OF THE COATING.
8. PARAPETS AND ENDPPOSTS SHALL RECEIVE CLEAR PROTECTIVE COATING AFTER REPAIRS ARE COMPLETED, ACCEPTED, AND CURED AS SHOWN IN THESE DETAILS AND IN ACCORDANCE WITH SPECIAL PROVISION 515.

ALUMINUM RAILING NOTES:

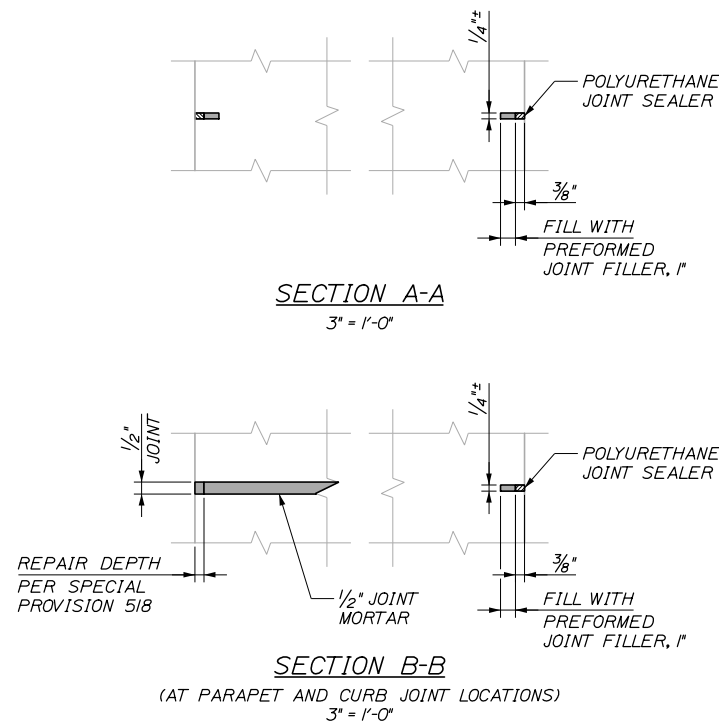
1. ALUMINUM RAILING SHALL BE REMOVED, STACKED AND RESET AS REQUIRED TO FACILITATE THE COMPLETION OF CONCRETE REPAIRS, OR AS NEEDED TO FACILITATE SHIELDING INSTALLATION AND REMOVAL. THIS WORK WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO THE RELATED CONTRACT ITEMS.
2. ALUMINUM RAILING AND POST SECTIONS SHOWN IN THESE PLANS, OR IDENTIFIED BY THE RESIDENT AS DAMAGED AND REQUIRING REPLACEMENT, SHALL BE REPLACED BETWEEN EXISTING FIELD SPLICES. RAILING AND POST REPLACEMENT SHALL BE MEASURED FOR PAYMENT UNDER PAY ITEM 507.811, ALUMINUM BRIDGE RAIL, 1 BAR AND PAY ITEM 507.095, ALUMINUM BRIDGE RAILING POST, RESPECTIVELY. ALUMINUM POST AND RAILING QUANTITIES INCLUDE ONE ADDITIONAL RAIL POST AND ONE ADDITIONAL 40 FOOT SEGMENT OF RAILING. IF ADDITIONAL POST AND RAILING ARE NOT USED THEY SHALL BECOME PROPERTY OF THE TURNPIKE. THE CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING AND STACKING ADDITIONAL RAILING COMPONENTS TO THE AUBURN MAINTENANCE FACILITY.
3. RAILING POSTS SHALL BE REMOVED AND REINSTALLED USING CAST-IN ANCHORAGE IN LOCATIONS WHERE FULL DEPTH CONCRETE REPAIRS EFFECT EXISTING ANCHORAGES. THE CONTRACTOR SHALL REUSE EXISTING ANCHORAGE COMPONENTS UNLESS THEY ARE DAMAGED DURING CONCRETE REMOVAL. ANY REPLACEMENT COMPONENTS SHALL MATCH THE EXISTING CONDITION AS DETAILED IN THE ALUMINUM RAILING PLAN SHEET.

REMOVAL PROCEDURES (FULL DEPTH REPAIR LOCATION):

1. REMOVAL OF THE EXISTING CONCRETE SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO THE PORTION OF THE STRUCTURE THAT IS TO REMAIN INCLUDING GRANITE CURB. IF PORTION OF THE STRUCTURE TO REMAIN IS DAMAGED IT SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE AUTHORITY.
2. THE AREA THAT REQUIRES PARAPET REPLACEMENT SHALL BE DELINEATED BY THE RESIDENT.
3. ALL REINFORCING STEEL THAT IS EXPOSED BY CONCRETE REMOVAL SHALL REMAIN AND BE CLEANED OF ALL DUST AND LOOSE RUST IN A MANNER APPROVED BY THE RESIDENT.
4. SUPPLEMENTARY REINFORCING SHALL BE ADDED IF DAMAGED REINFORCING IS EXPOSED.
5. THE REMOVAL PROCEDURE SHALL CONFORM TO SPECIFICATION 518.



CONCRETE SURFACE PATCH/REPAIR DETAIL
1" = 1'-0"



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| Scale: | | | | Designed by: | | | |
| AS NOTED | | | | | | | |
| No. | Revision | By | Date | | | | |
| | | | | CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| | | | | By | Date | By | Date |
| | | | | Designed | BRG 01\2025 | Checked | GLT 01\2025 |
| | | | | Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

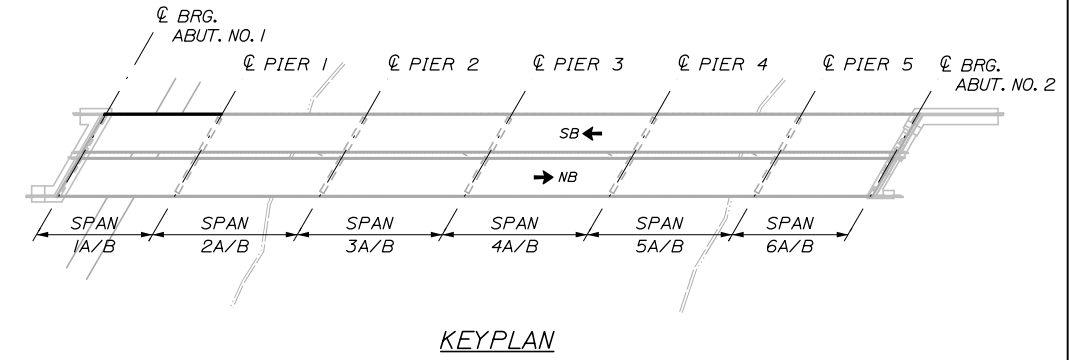
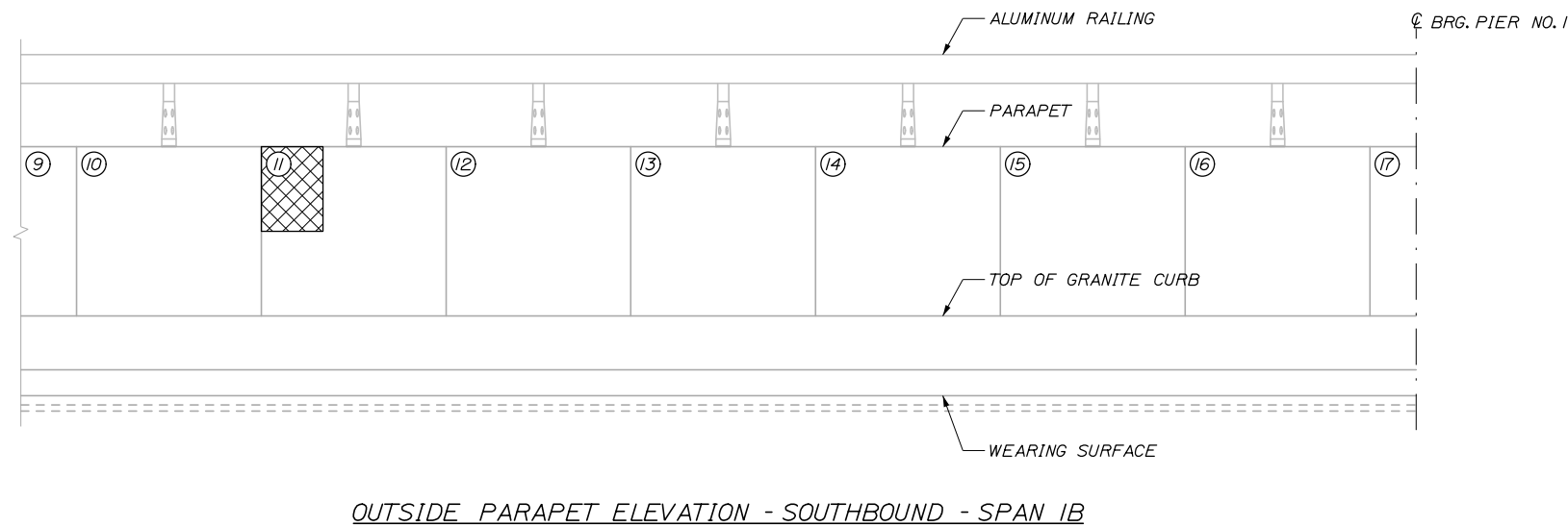
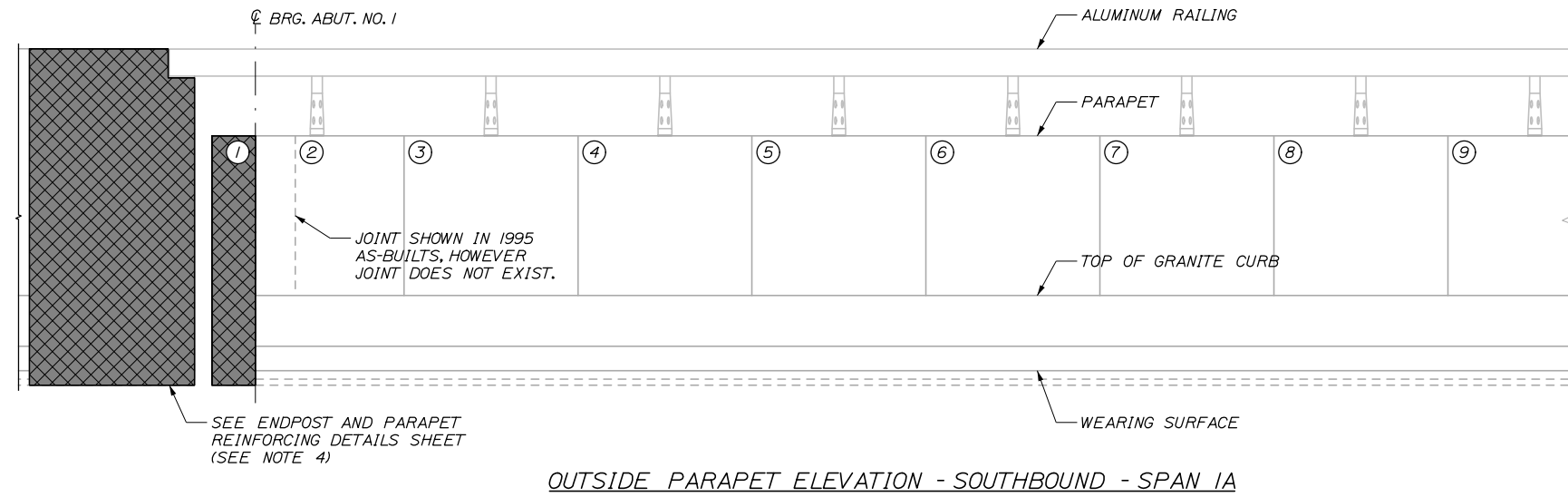
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR NOTES AND DETAILS

SHEET NUMBER: S-03
CONTRACT: 2025.06
43 OF 81

Date: 1/15/2025



REPAIR QUANTITIES

| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 I.C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

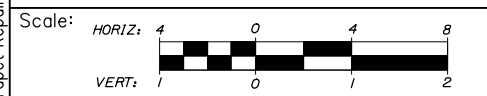
LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

1. ALL PARAPET ELEVATIONS ARE FROM ROADWAY SIDE.
2. ALL ALUMINUM BRIDGE RAIL, I BAR REPLACEMENT SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 507 AND PAID FOR UNDER ITEM 507.811.
3. ALL ALUMINUM BRIDGE RAILING POST REPLACEMENTS SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 507 AND PAID FOR UNDER ITEM 507.095.
4. PARAPET AND END POST DEMOLITION AT BRIDGE JOINT SHALL BE PAID FOR UNDER ITEM 202.12 REMOVING EXISTING STRUCTURAL CONCRETE, PARAPET AND END POST REPLACEMENT AT BRIDGE JOINT SHALL BE PAID FOR UNDER ITEM 502.264 STRUCTURAL CONCRETE REPAIRS, PARAPET.
5. PROTECTIVE SHIELDING IS REQUIRED FOR ALL FULL DEPTH REPAIR LOCATIONS AND PARTIAL DEPTH REPAIR LOCATIONS ON THE TOP FACE AND SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 524.
6. TYPICAL PARAPET PANEL LENGTH IS 8'-0".

Filename: 044_Parapet Repair Elevations I.dgn



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
|-----|----------|----|------|
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| By | Date | By | Date |
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| Designed BRG | 01\2025 | Checked GLT | 01\2025 |
| Drawn ERB | 01\2025 | In Charge of TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

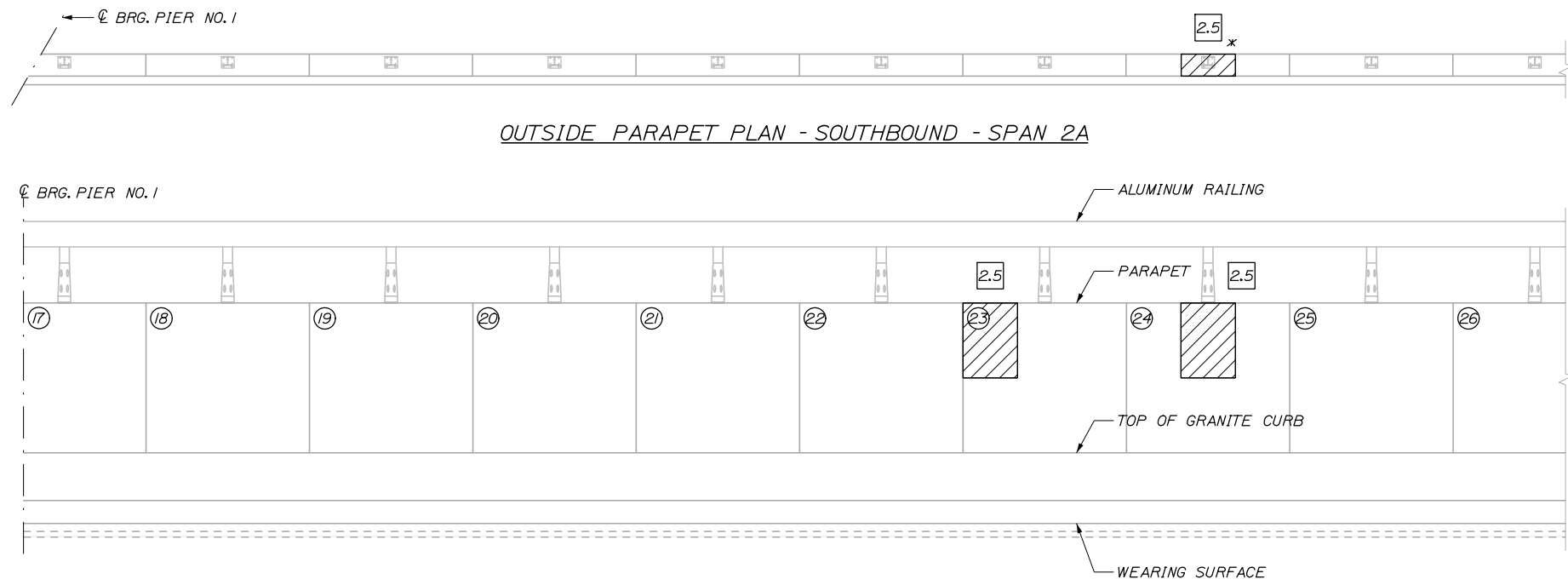
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 PARAPET REPAIR ELEVATIONS I

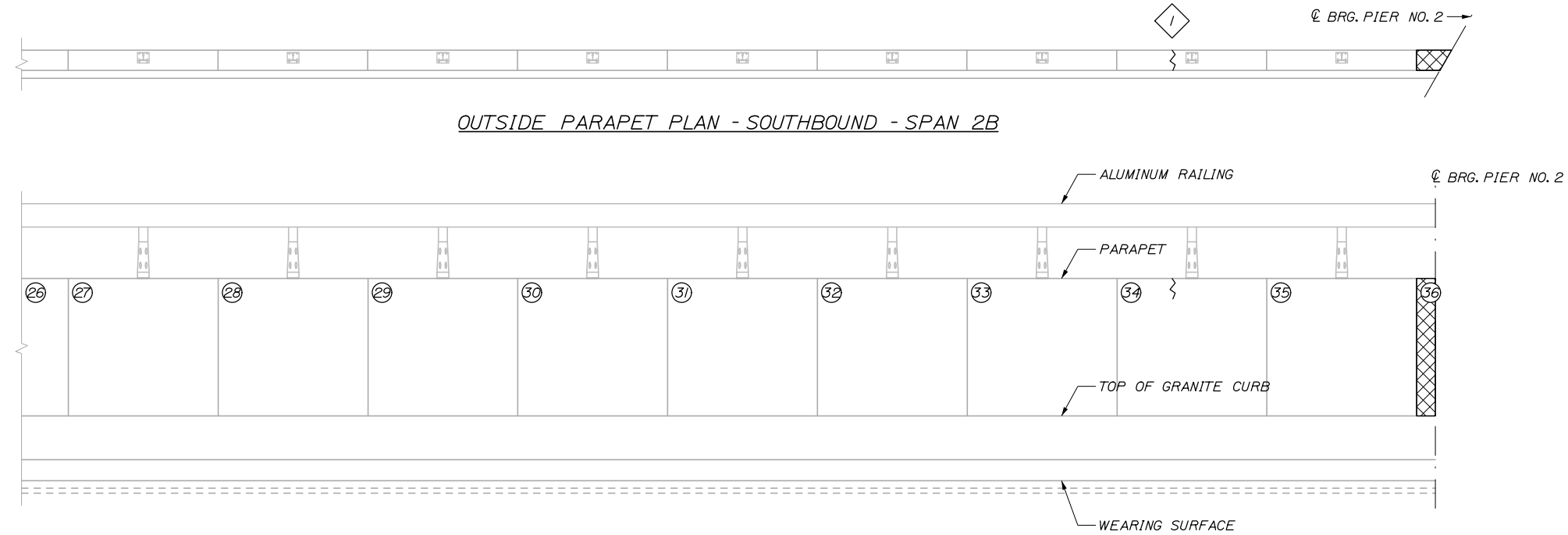
SHEET NUMBER: S-04
 CONTRACT: 2025.06
 44 OF 81

Date: 1/15/2025

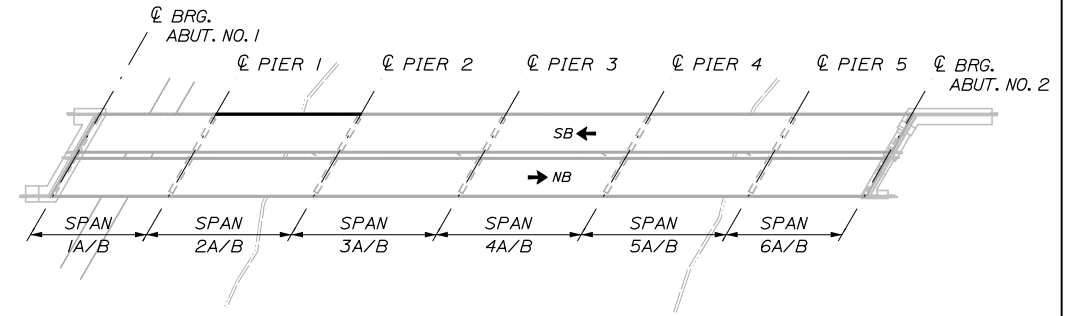
Filename: 045_Parapet Repair Elevations II.dgn



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 2A



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 2B



KEYPLAN

REPAIR QUANTITIES

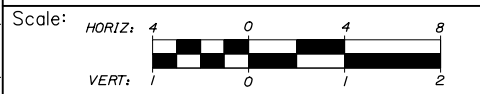
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 1 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ⊠ FULL DEPTH PARAPET REPAIR
- ⬠ CUBIC YARDS OF FULL DEPTH REPAIR
- ⊞ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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THE GOLD STAR
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ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS II

| No. | Revision | By | Date |
|-----|----------|----|------|
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | By | Date |
| Designed | BRG 01\2025 | Checked | GLT 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

SHEET NUMBER: S-05

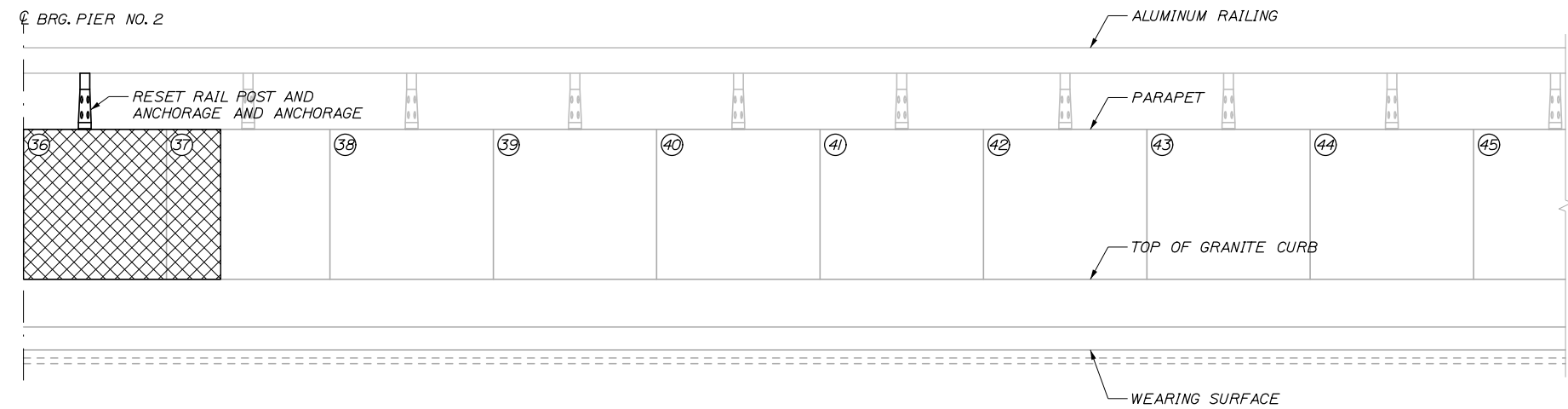
45 OF 81

Date: 1/15/2025

Filename: 046_Parapet Repair Elevations III.dgn



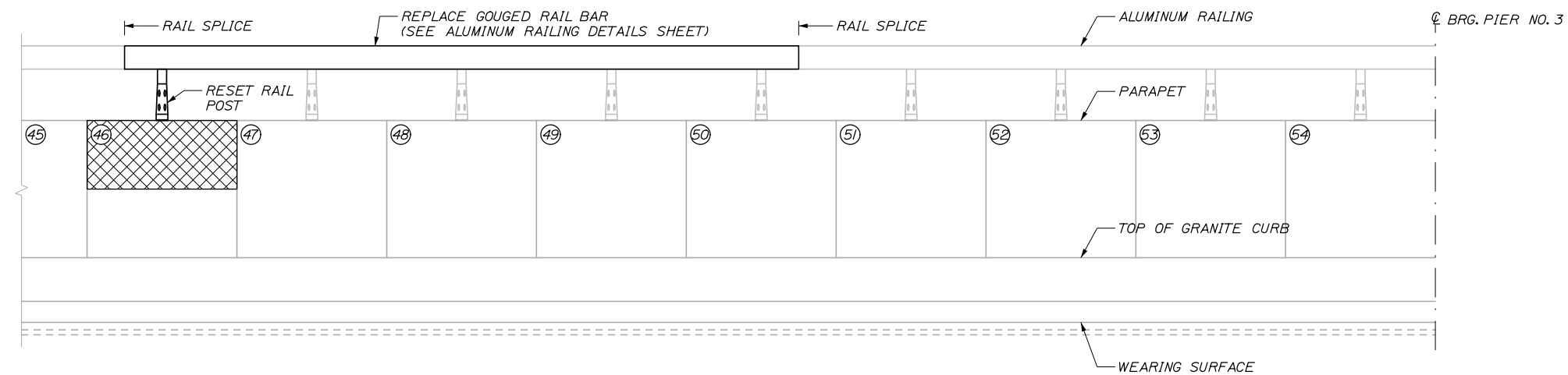
OUTSIDE PARAPET PLAN - SOUTHBOUND - SPAN 3A



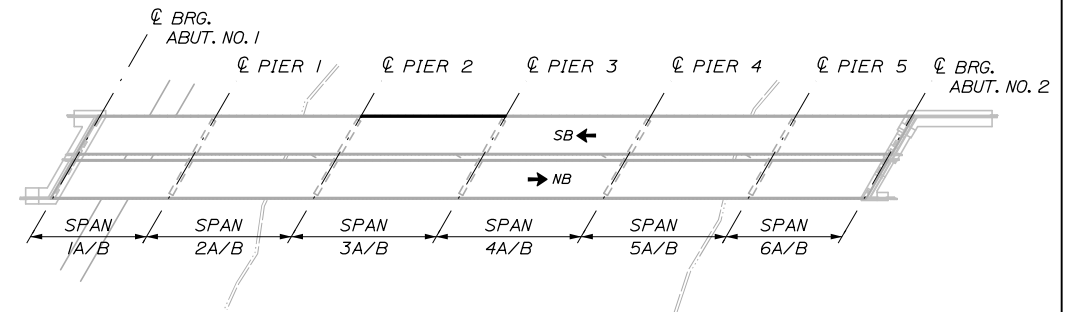
OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 3A



OUTSIDE PARAPET PLAN - SOUTHBOUND - SPAN 3B



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 3B



KEYPLAN

REPAIR QUANTITIES

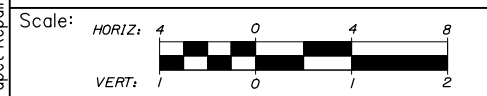
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 1 I.C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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**THE GOLD STAR
MEMORIAL HIGHWAY**

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS III

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |
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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| Designed | By | Date | Checked |
| | BRG | 01\2025 | GLT |
| Drawn | By | Date | In Charge of |
| | ERB | 01\2025 | TRC |

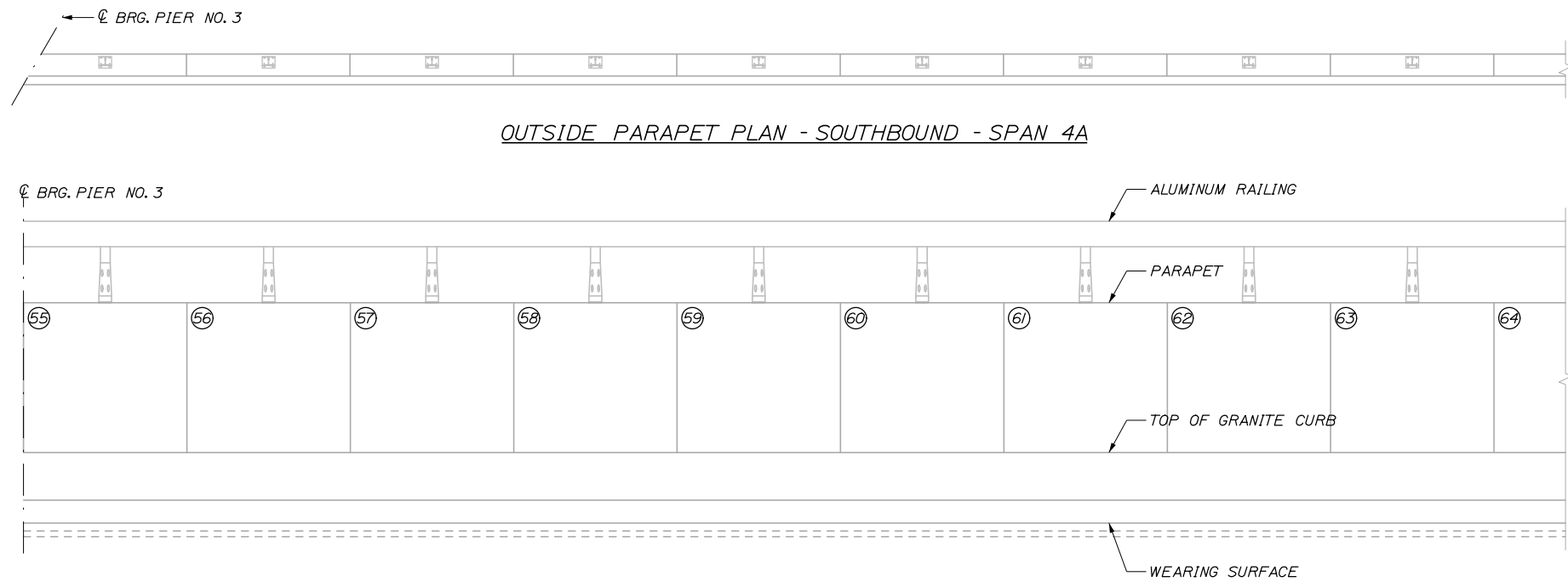
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

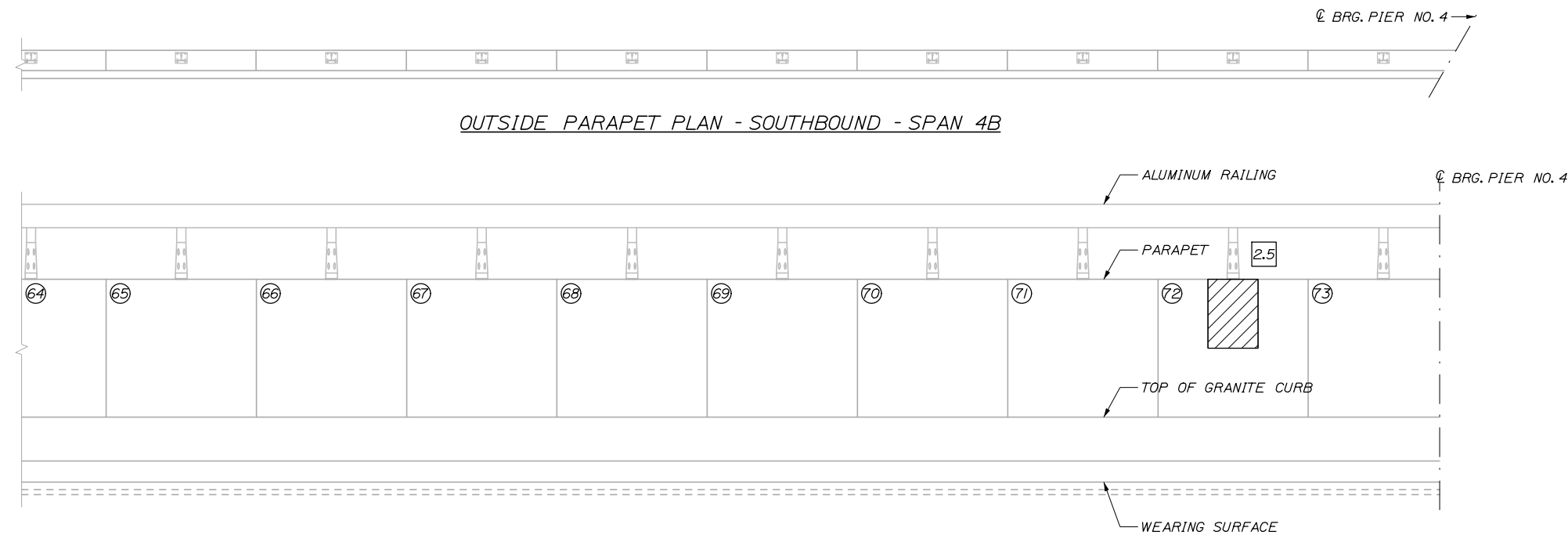
SHEET NUMBER: S-06

46 OF 81

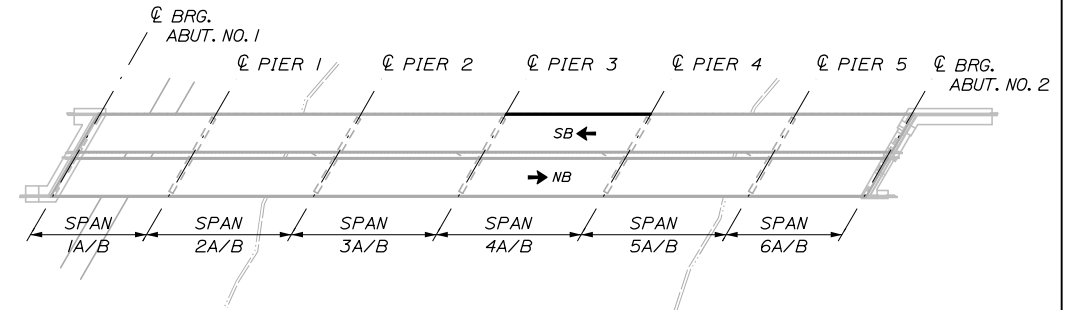
Date: 1/15/2025



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 4A



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 4B



KEYPLAN

REPAIR QUANTITIES

| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 2.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▤ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04

Filename: 047_Parapet Repair Elevations IV.dgn

Scale: HORIZ: 4 0 4 8
VERT: 1 0 1 2

| No. | Revision | By | Date |
|-----|----------|----|------|
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

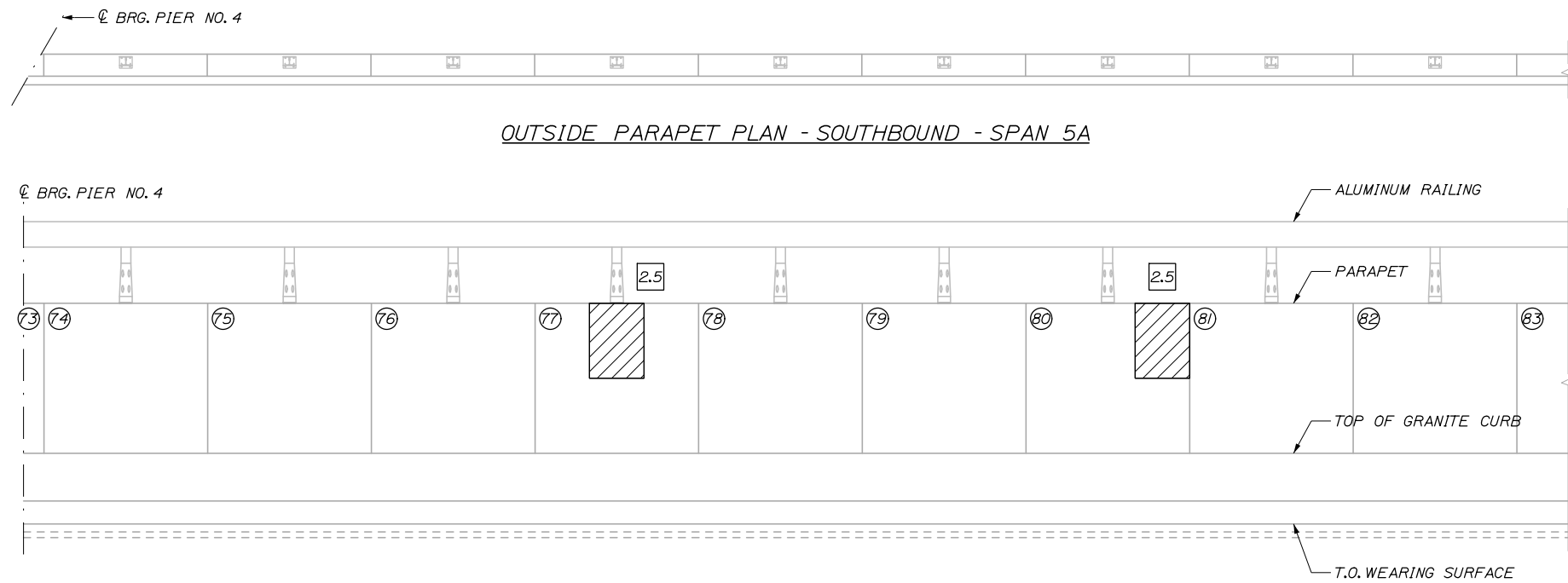
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS IV

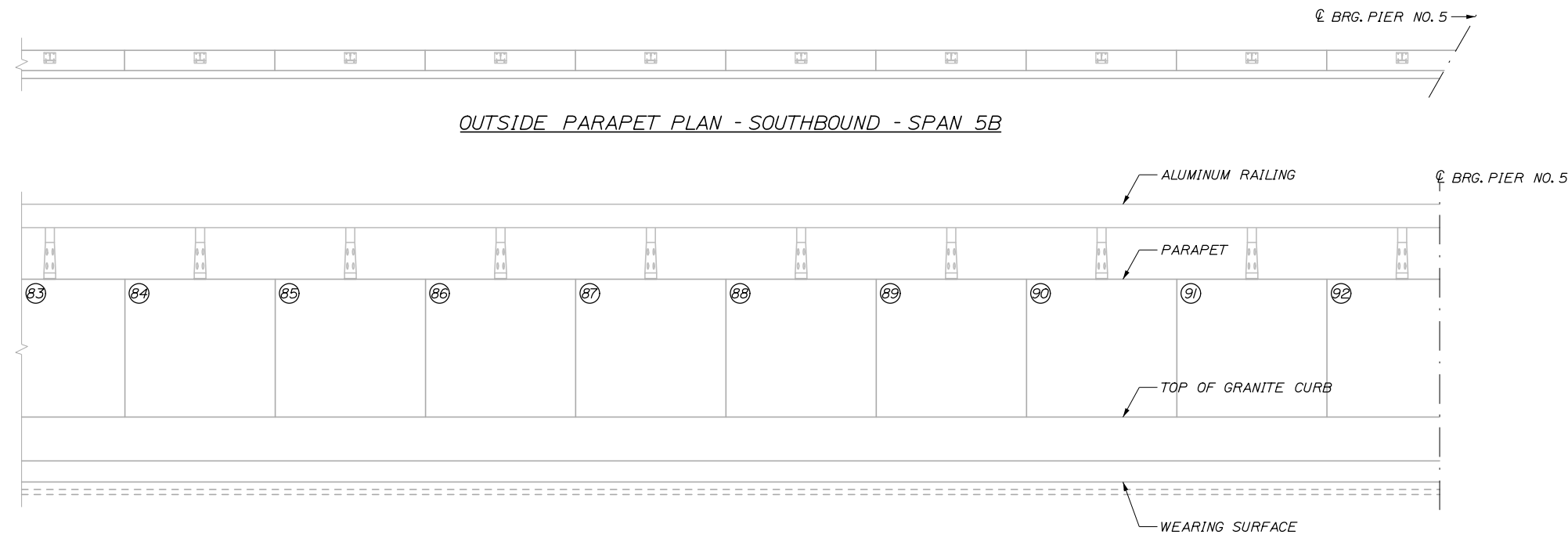
SHEET NUMBER: S-07
CONTRACT: 2025.06
47 OF 81

Date: 1/15/2025

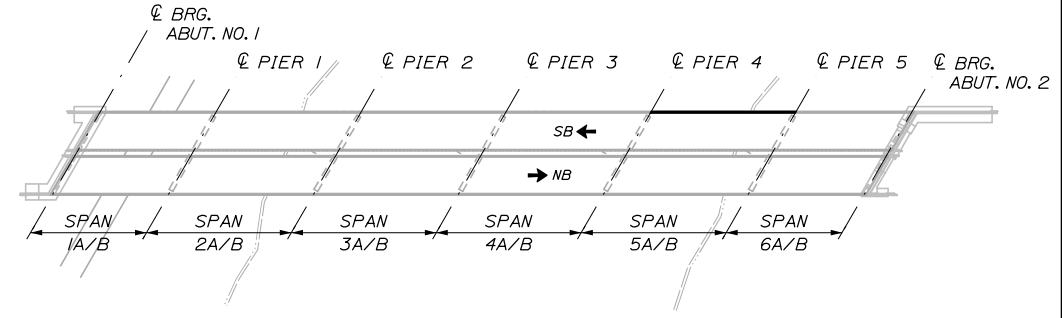
Filename: 048_Parapet Repair Elevations V.dgn



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 5A



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 5B



KEYPLAN

REPAIR QUANTITIES

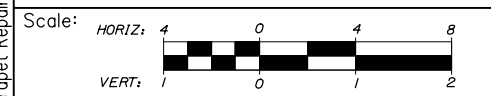
| | |
|---|--------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

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| | | | |
|--|-------------|--------------|-------------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | By | Date |
| Designed | BRG 01\2025 | Checked | GLT 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

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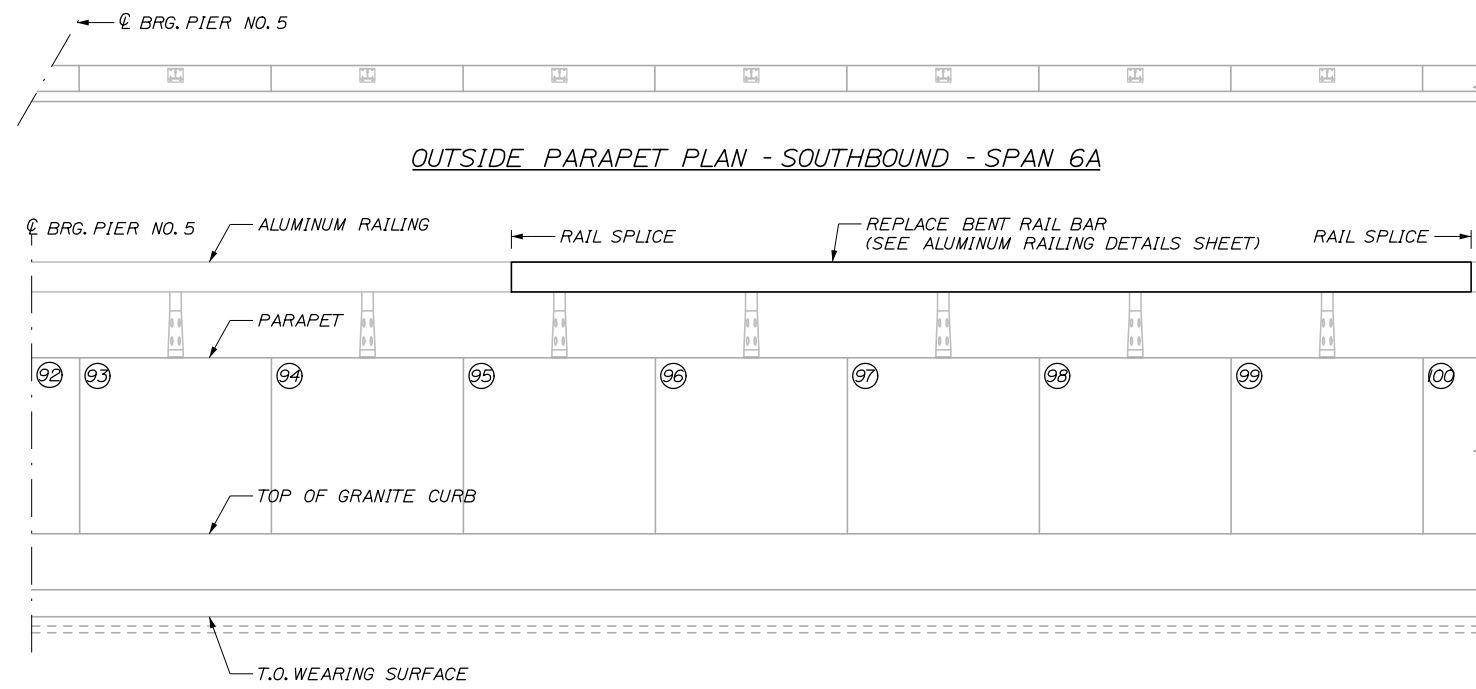
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

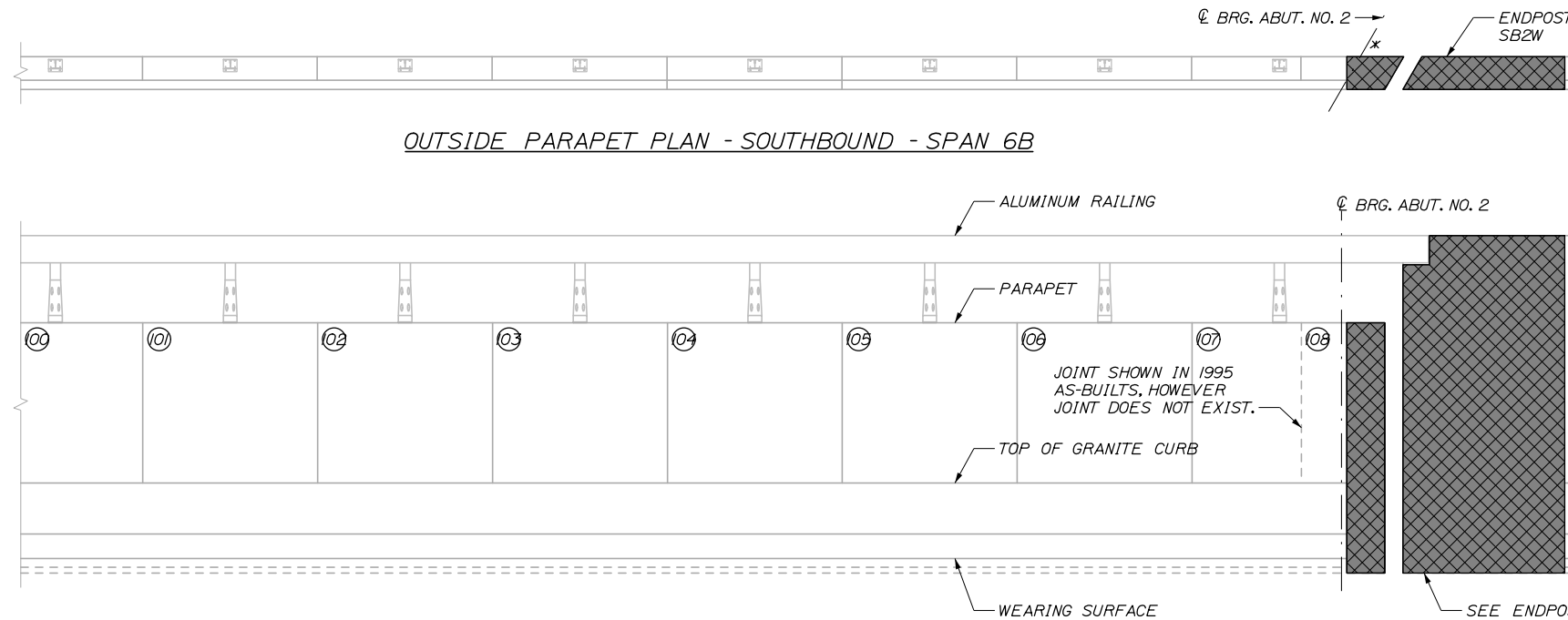
ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 PARAPET REPAIR ELEVATIONS V

SHEET NUMBER: S-08
 CONTRACT: 2025.06
 48 OF 81

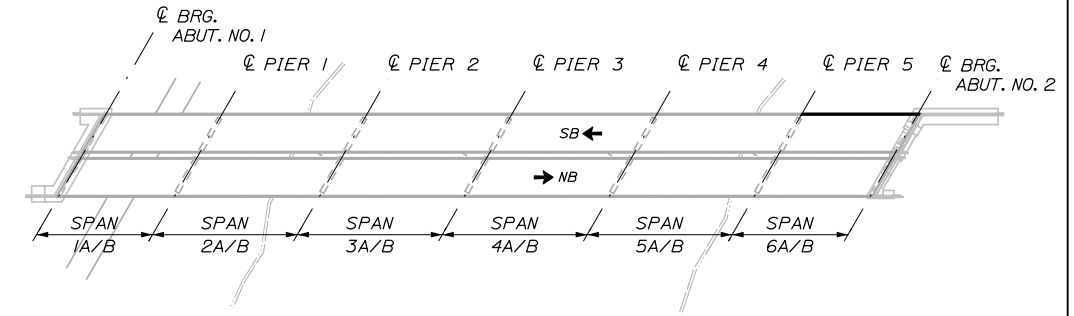
Date: 1/15/2025



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 6A



OUTSIDE PARAPET ELEVATION - SOUTHBOUND - SPAN 6B



KEYPLAN

REPAIR QUANTITIES

| | |
|---|--------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

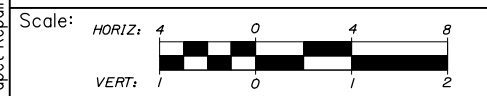
LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▩ PARAPET AND ENDPPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04

Filename: 049_Parapet Repair Elevations VI.dgn



Designed by:

HNTB

| | | | | | |
|--|-----|---------|--------------|---------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | Checked | By | Date |
| Designed | BRG | 01\2025 | GLT | 01\2025 | |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

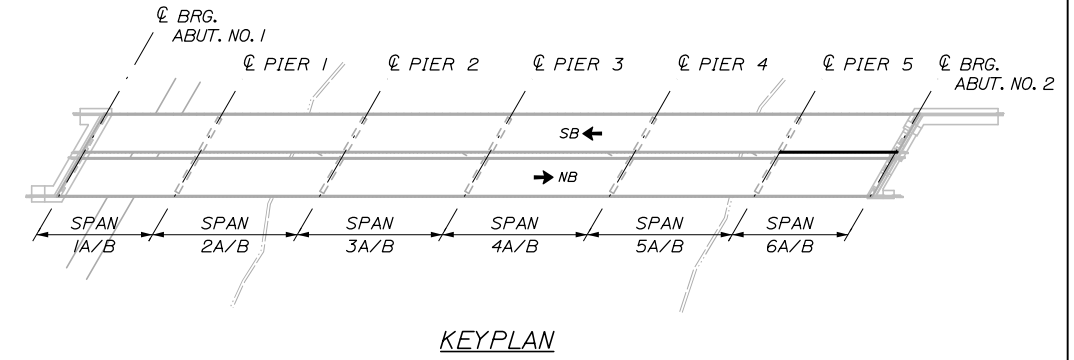
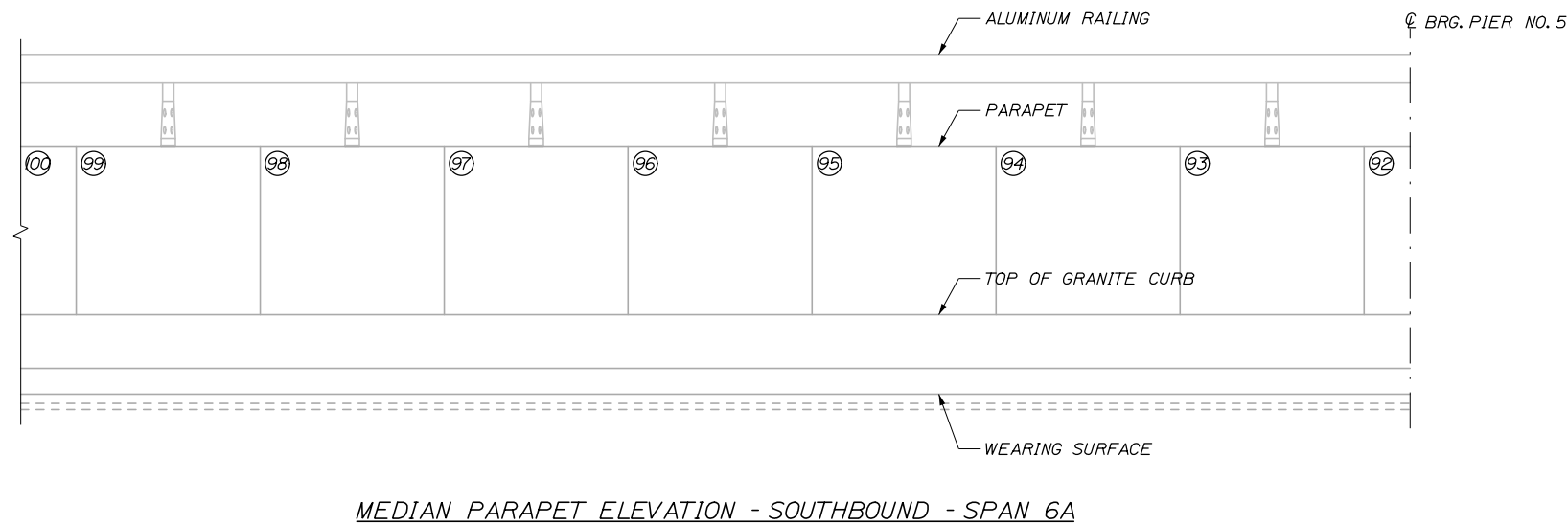
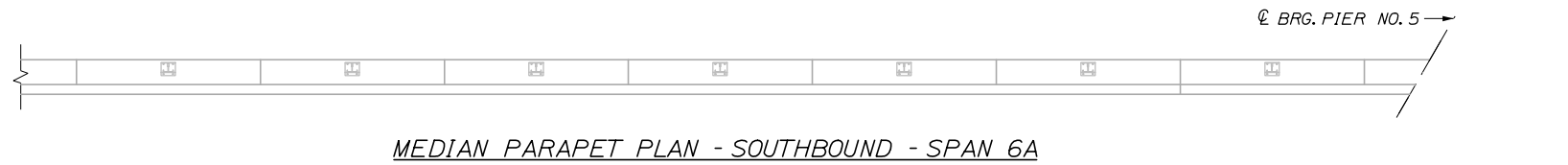
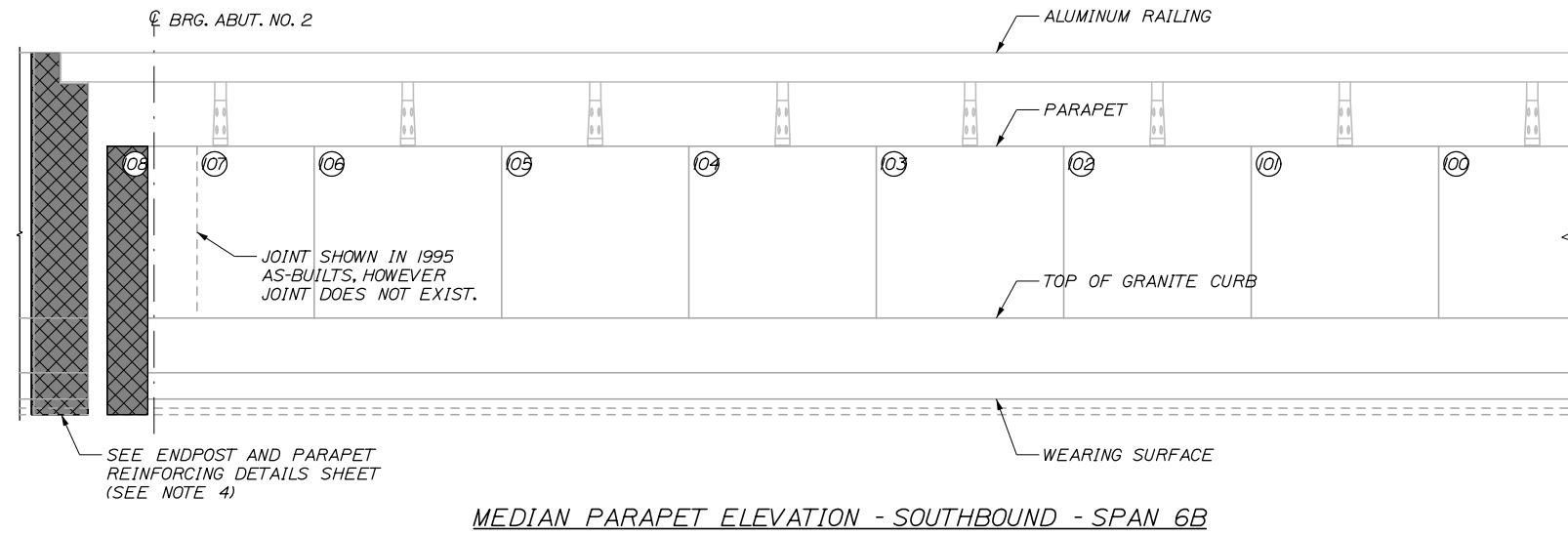
PARAPET REPAIR ELEVATIONS VI

SHEET NUMBER: S-09
 49 OF 81

CONTRACT: 2025.06

Date: 1/15/2025

Filename: 050_Parapet Repair Elevations VII.dgn



REPAIR QUANTITIES

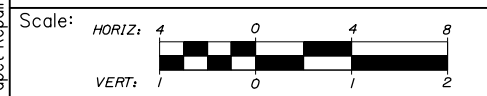
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|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR MEMORIAL HIGHWAY

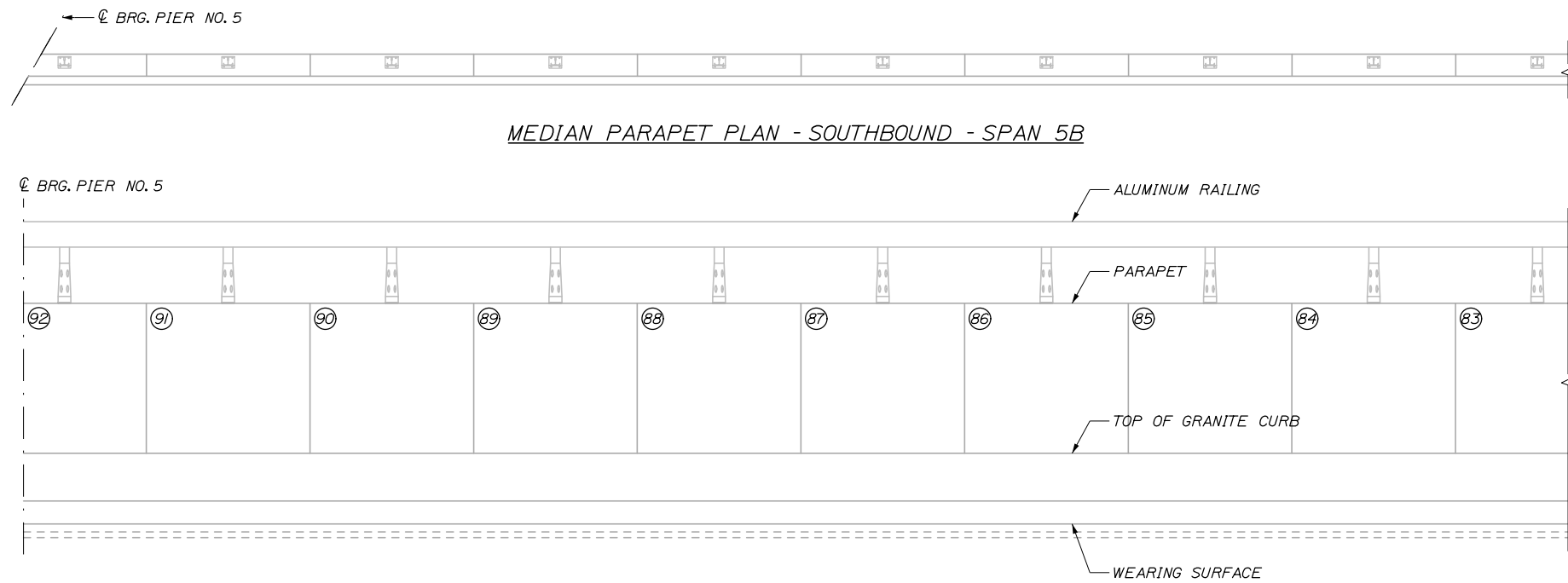
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 PARAPET REPAIR ELEVATIONS VII

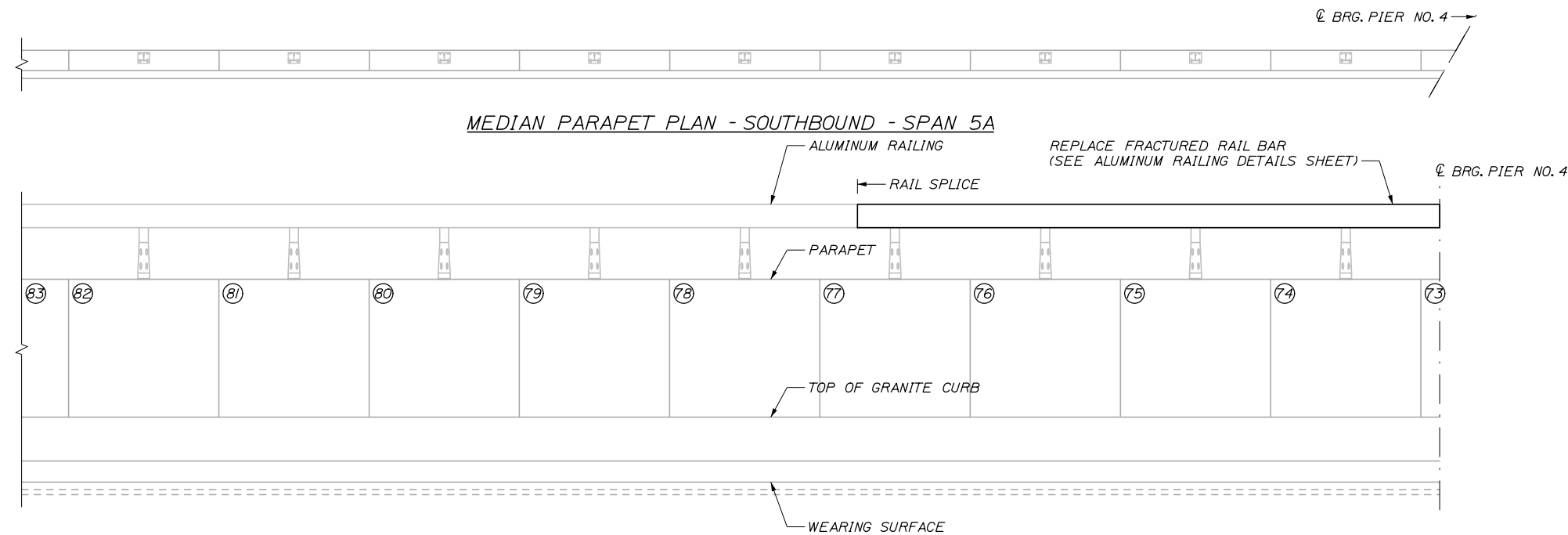
SHEET NUMBER: S-10
 CONTRACT: 2025.06
 50 OF 81

Date: 1/15/2025

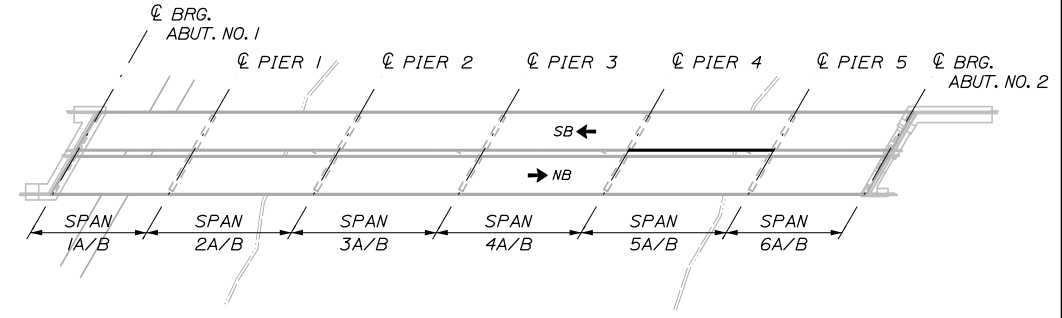
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MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 5B



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 5A



KEYPLAN

REPAIR QUANTITIES

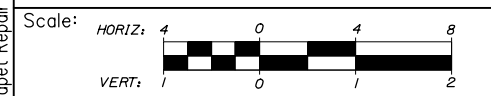
| | |
|---|--------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▤ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

| | | | |
|--|-------------|--------------|-------------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | By | Date |
| Designed | BRG 01\2025 | Checked | GLT 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

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THE GOLD STAR MEMORIAL HIGHWAY

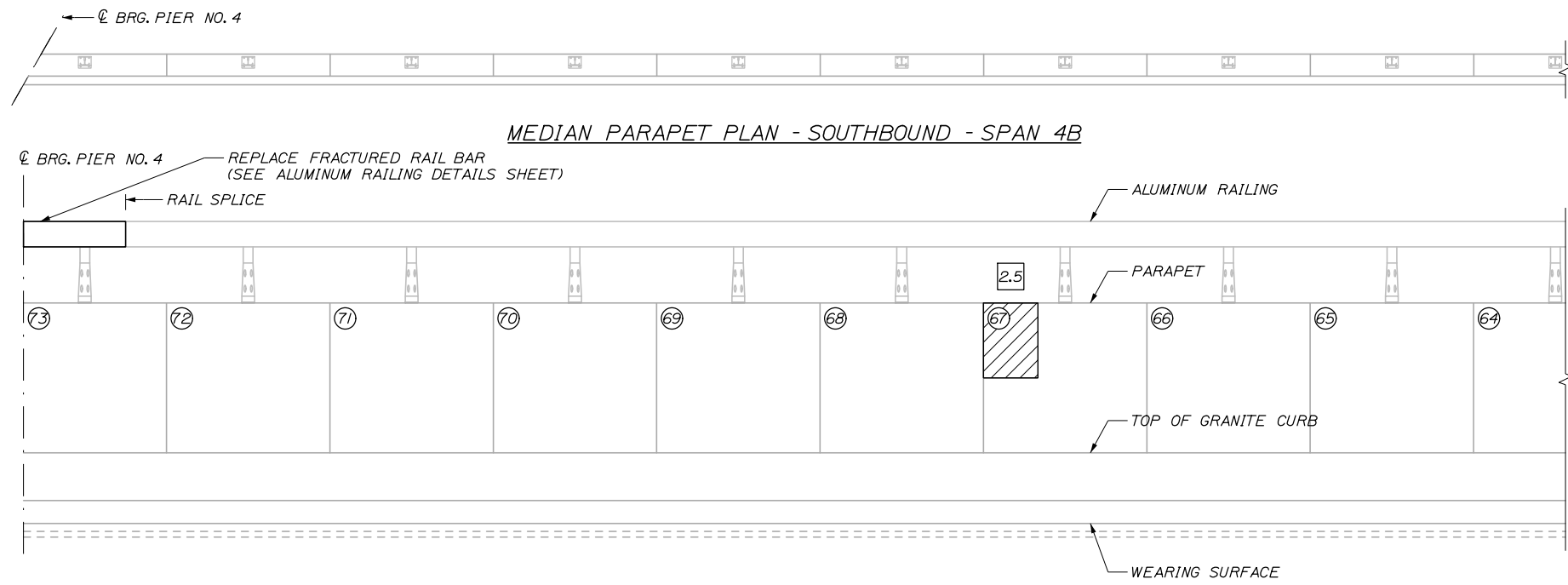
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 PARAPET REPAIR ELEVATIONS VIII

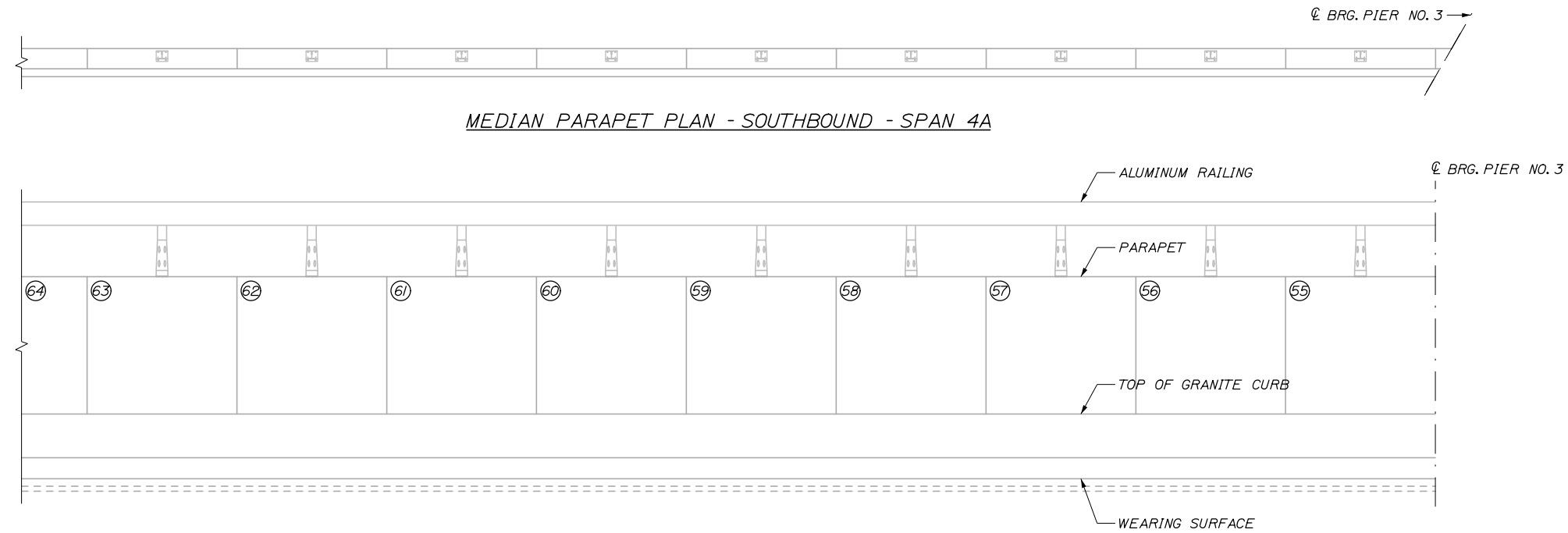
SHEET NUMBER: S-11
 CONTRACT: 2025.06
 51 OF 81

Date: 1/15/2025

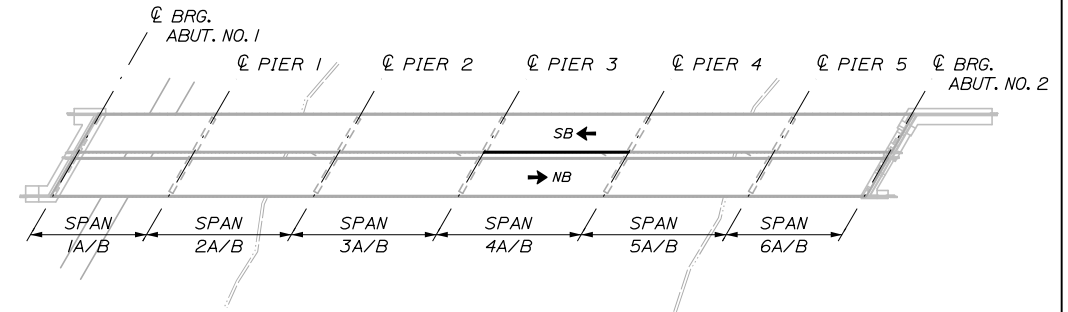
Filename: 052_Parapet Repair Elevations IX.dgn



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 4B



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 4A



KEYPLAN

REPAIR QUANTITIES

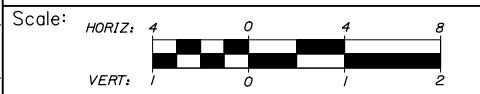
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 2.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▤ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

| | | | | | |
|--|-----|---------|--------------|---------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | Checked | By | Date |
| Designed | BRG | 01\2025 | GLT | 01\2025 | |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

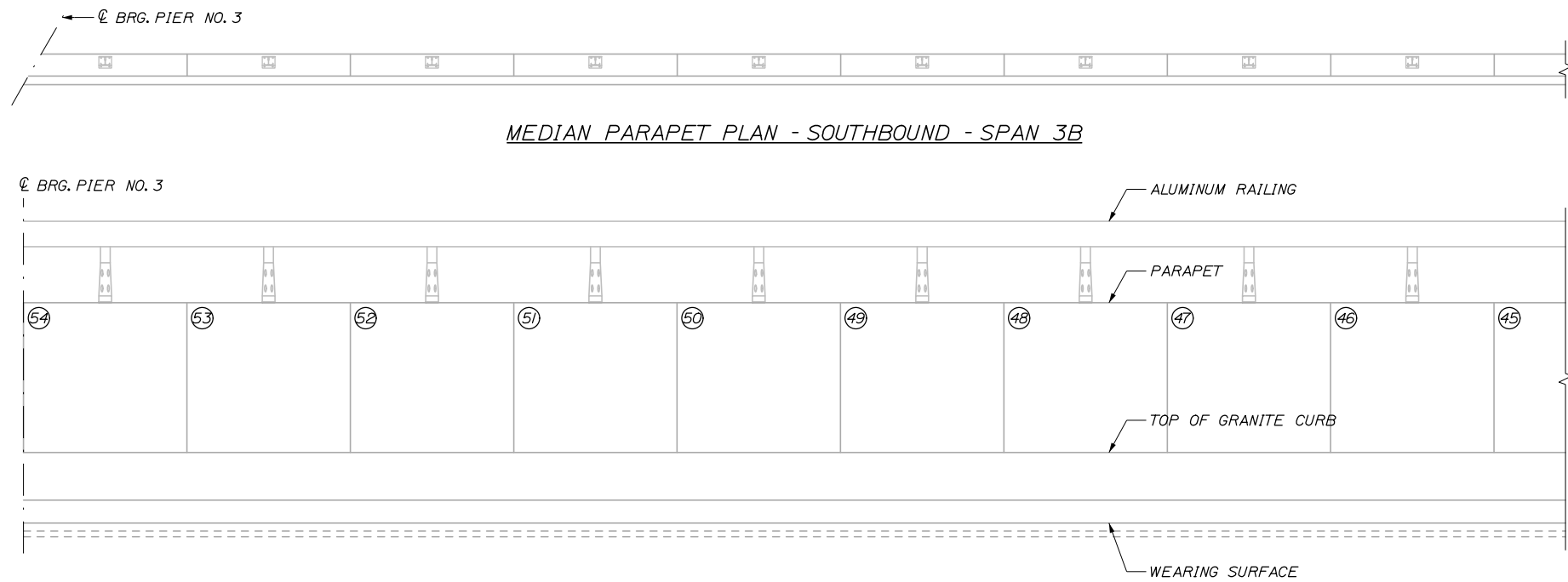
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS IX

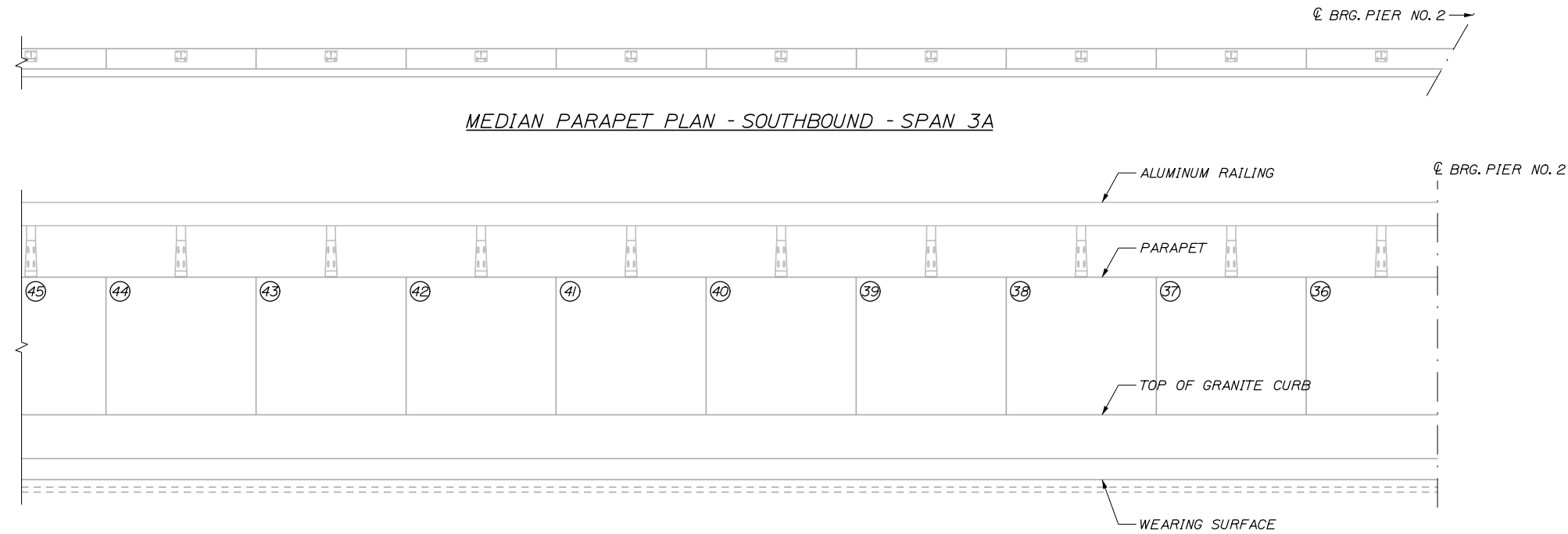
SHEET NUMBER: S-12
CONTRACT: 2025.06
52 OF 81

Date: 1/15/2025

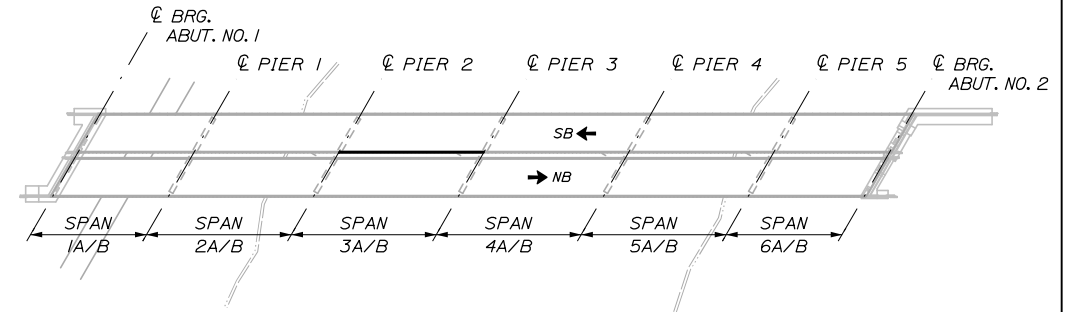
Filename: 053_Parapet Repair Elevations X.dgn



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 3B



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 3A



KEYPLAN

REPAIR QUANTITIES

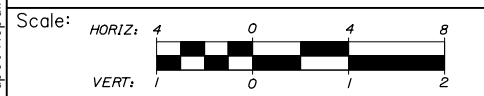
| | |
|---|--------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- EPOXY INJECTION CRACK REPAIR
- LINEAR FOOT LENGTH OF CRACK
- REPAIR OF SURFACES < 8 INCHES
- SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- FULL DEPTH PARAPET REPAIR
- CUBIC YARDS OF FULL DEPTH REPAIR
- PARAPET AND ENDPOST REPLACEMENT AT JOINT
- PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

| | | | | | |
|--|-----|---------|--------------|---------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | Checked | By | Date |
| Designed | BRG | 01\2025 | GLT | 01\2025 | |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS X

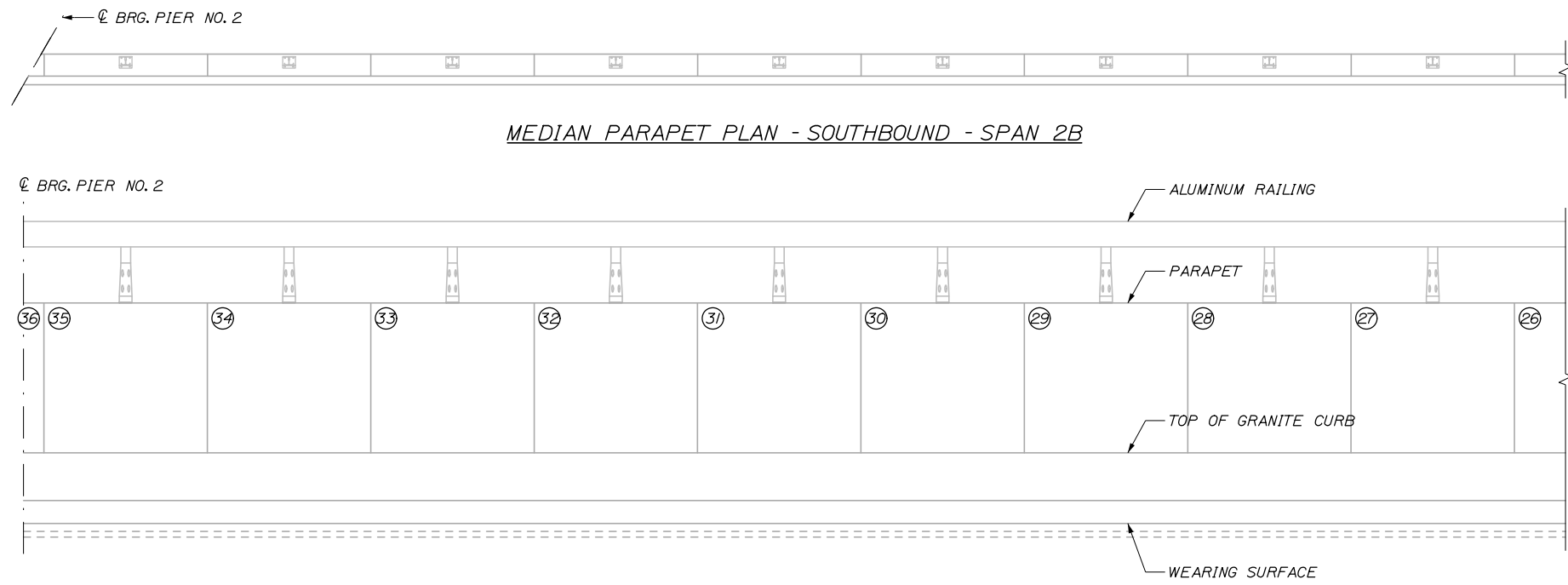
CONTRACT: 2025.06

SHEET NUMBER: S-13

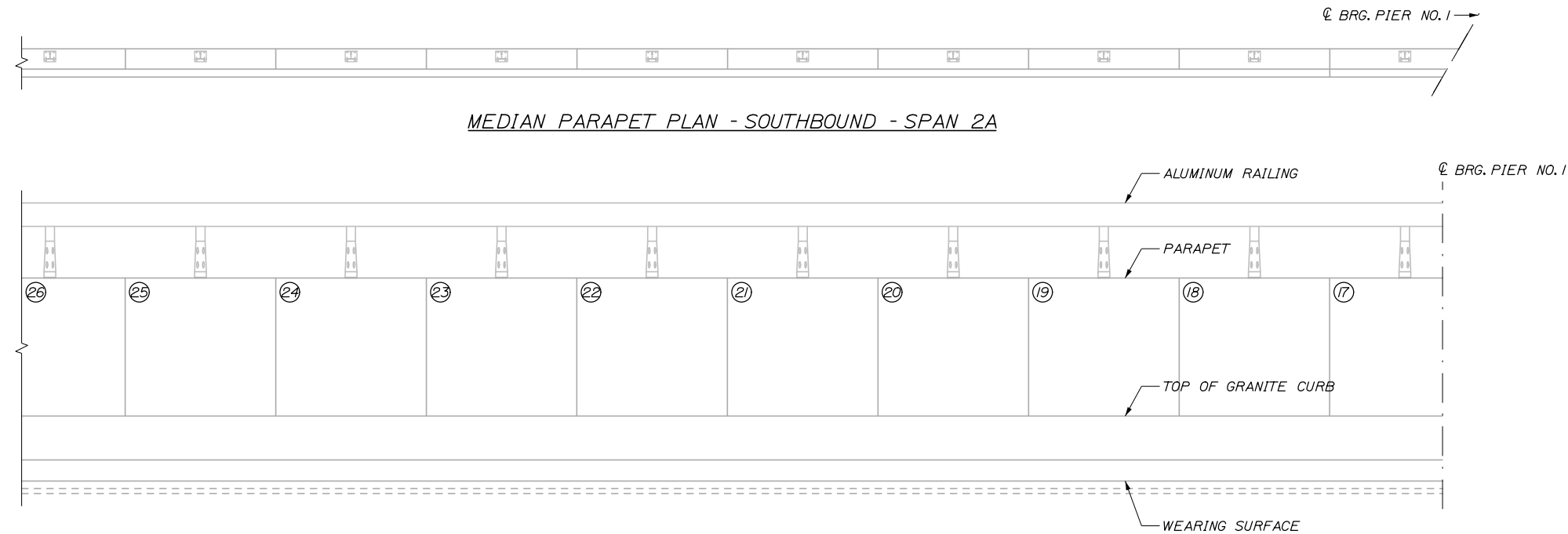
53 OF 81

Date: 1/15/2025

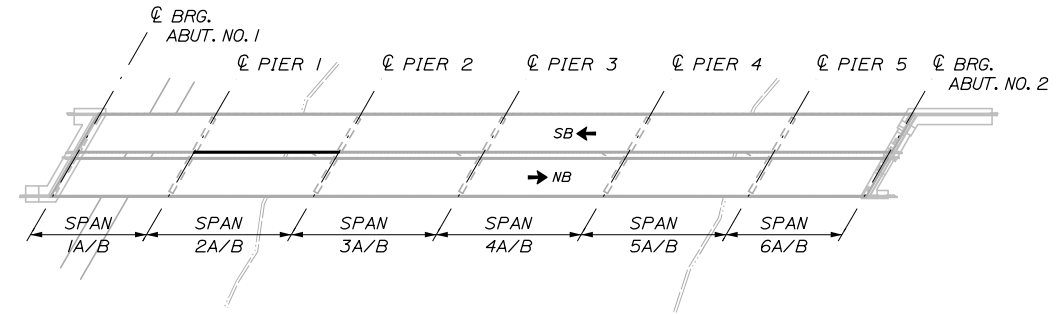
Filename: 054_Parapet Repair Elevations XI.dgn



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 2B



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 2A



KEYPLAN

REPAIR QUANTITIES

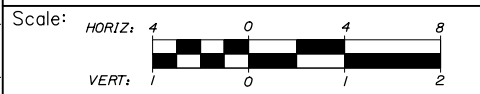
| | |
|---|--------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▤ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

| | | | | | |
|--|-----|---------|--------------|---------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | Checked | By | Date |
| Designed | BRG | 01\2025 | GLT | 01\2025 | |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR MEMORIAL HIGHWAY

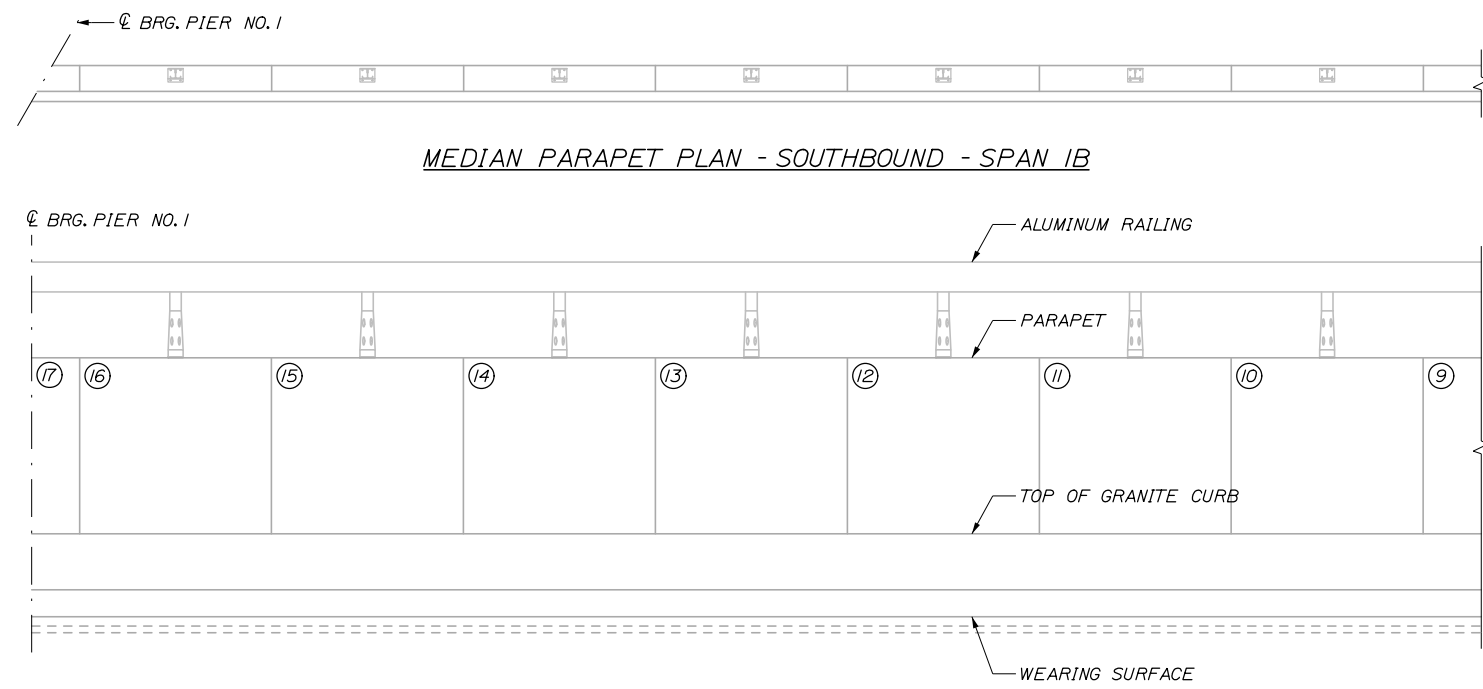
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 PARAPET REPAIR ELEVATIONS XI

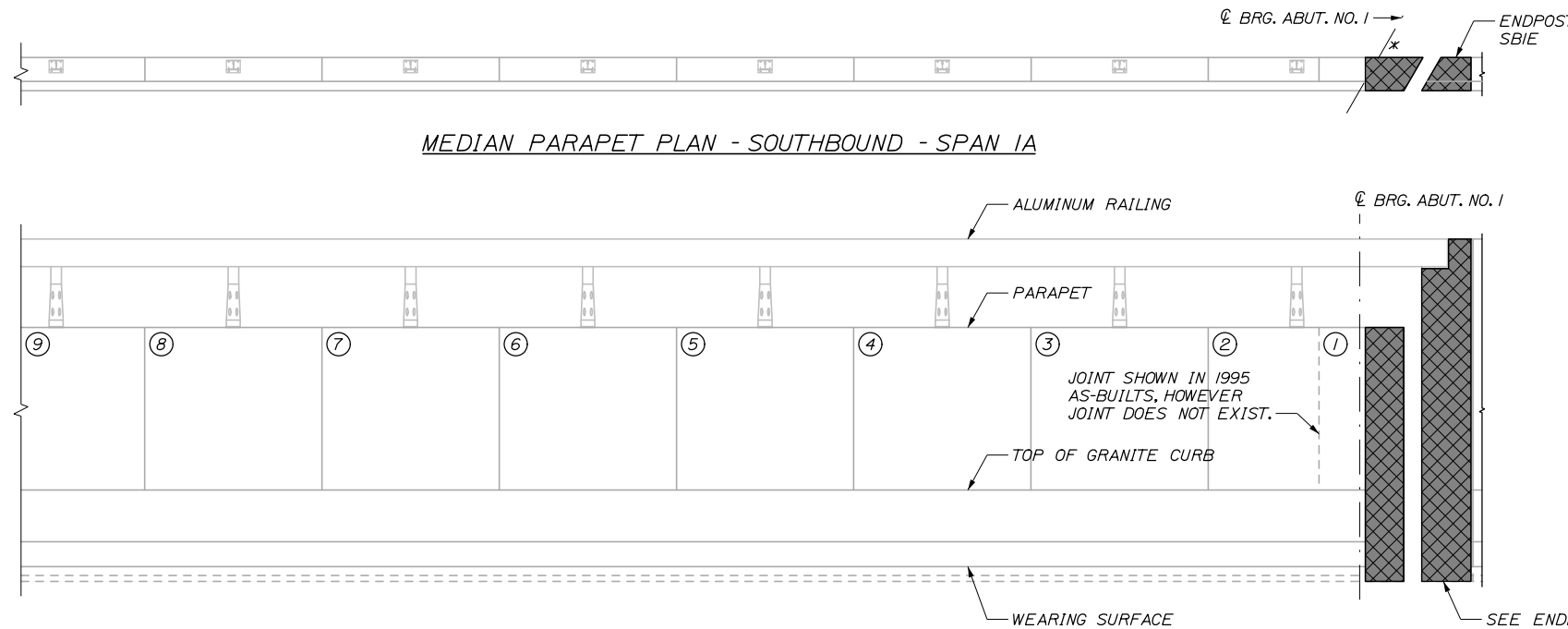
SHEET NUMBER: S-14
 CONTRACT: 2025.06
 54 OF 81

Date: 1/15/2025

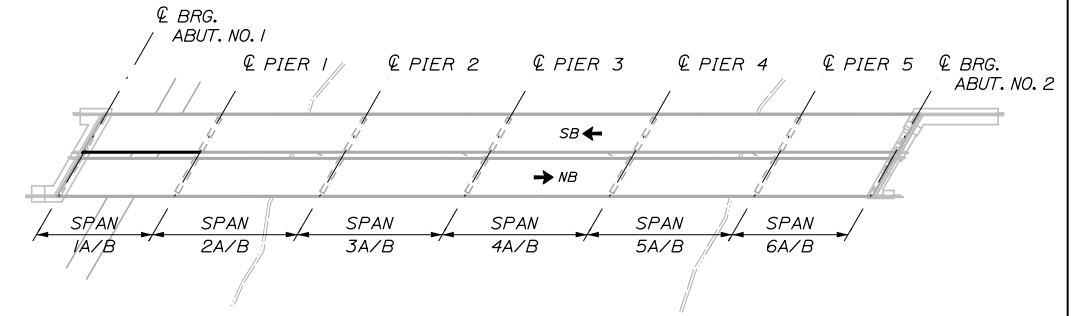
Filename: 055_Parapet Repair Elevations XII.dgn



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 1B



MEDIAN PARAPET ELEVATION - SOUTHBOUND - SPAN 1A



KEYPLAN

REPAIR QUANTITIES

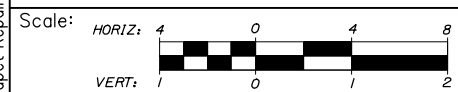
| | |
|---|--------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▩ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XII

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |
| | | | |

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

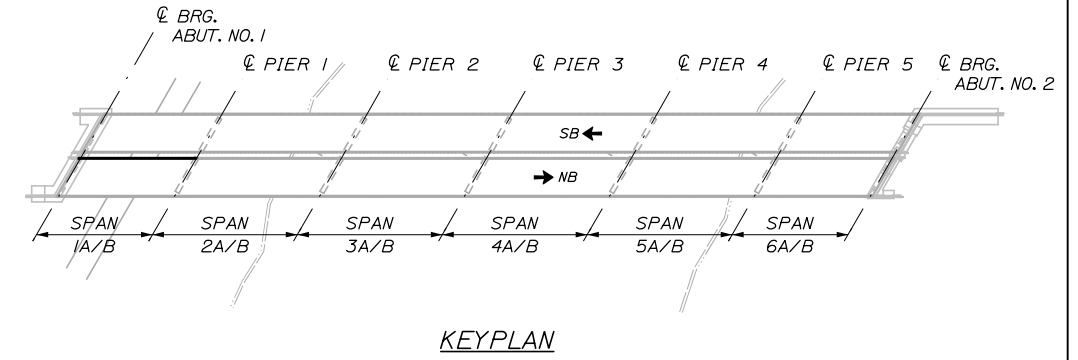
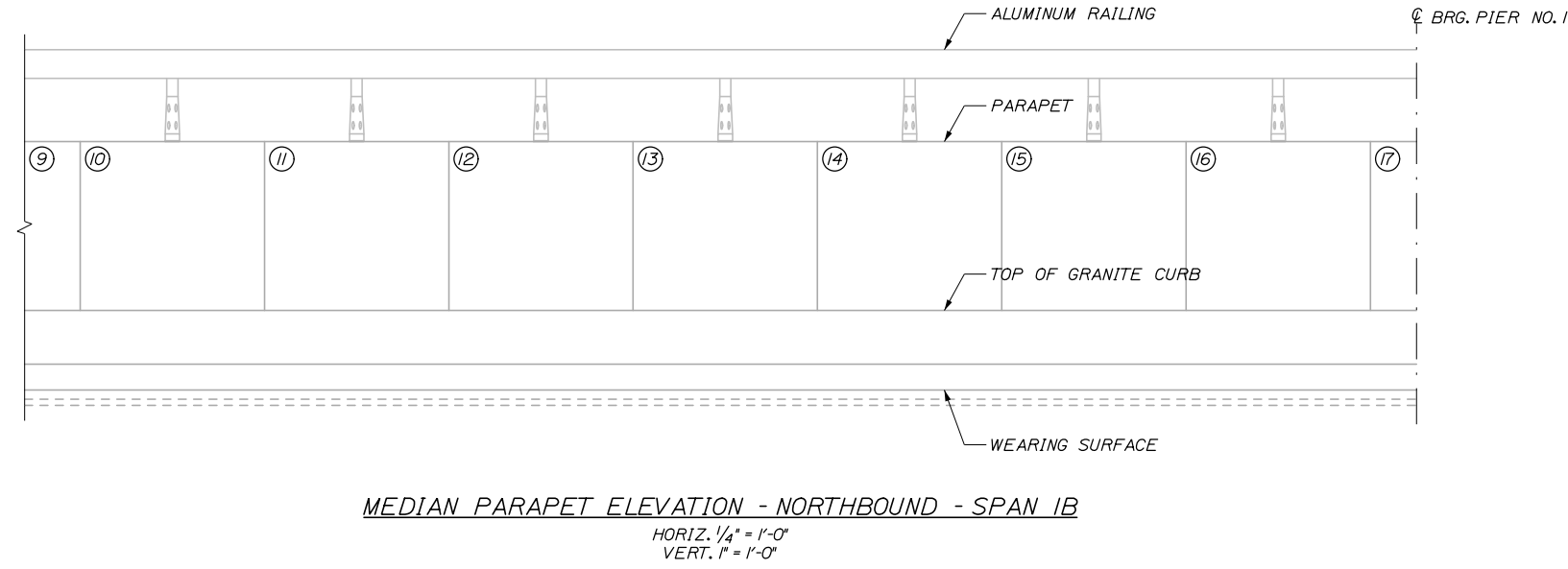
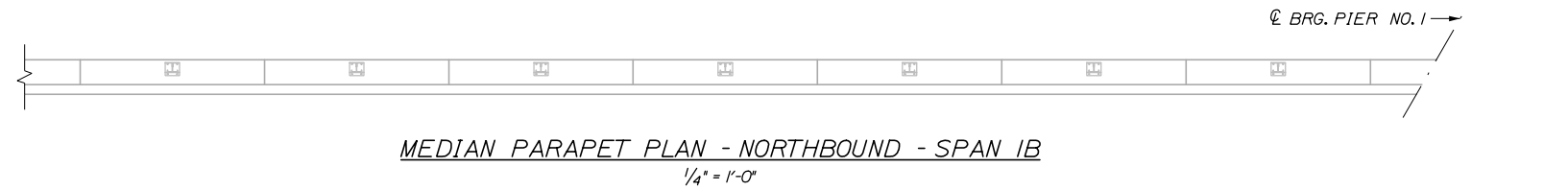
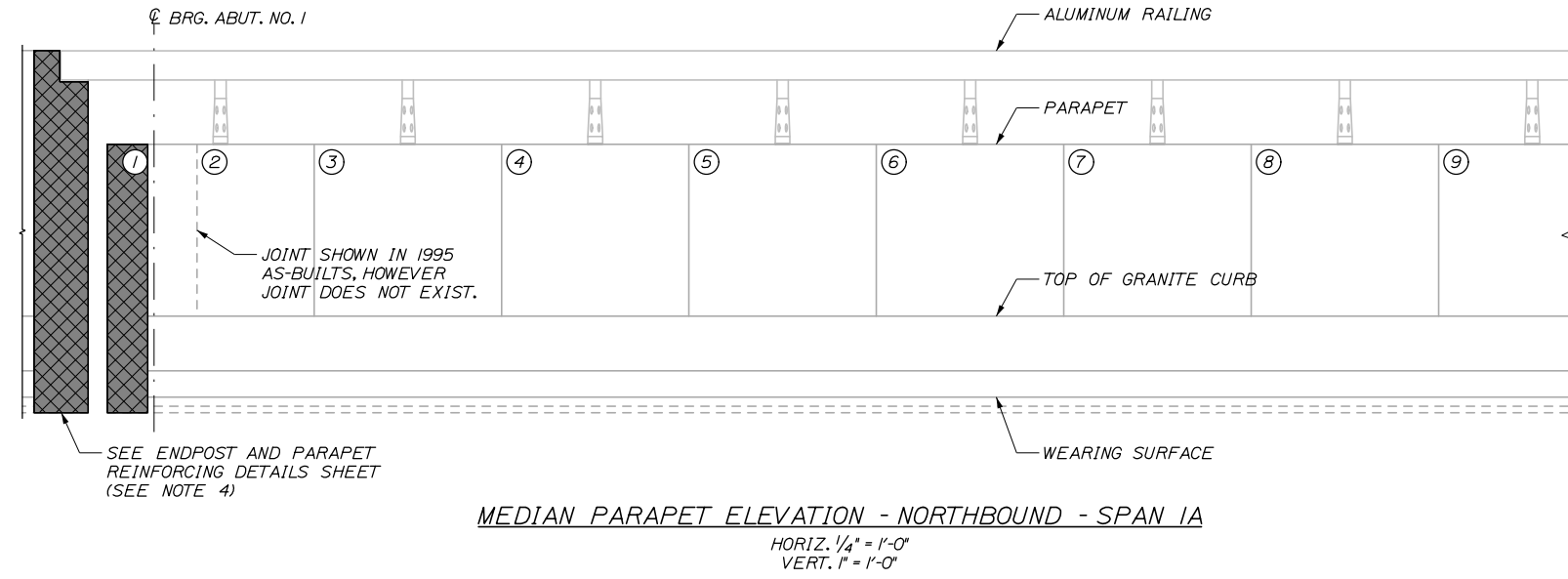
CONTRACT: 2025.06

SHEET NUMBER: S-15

55 OF 81

Date: 1/15/2025

Filename: 056_Parapet Repair Elevations XIII.dgn



REPAIR QUANTITIES

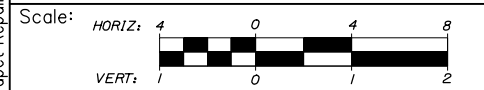
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (X) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ XX FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▧ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

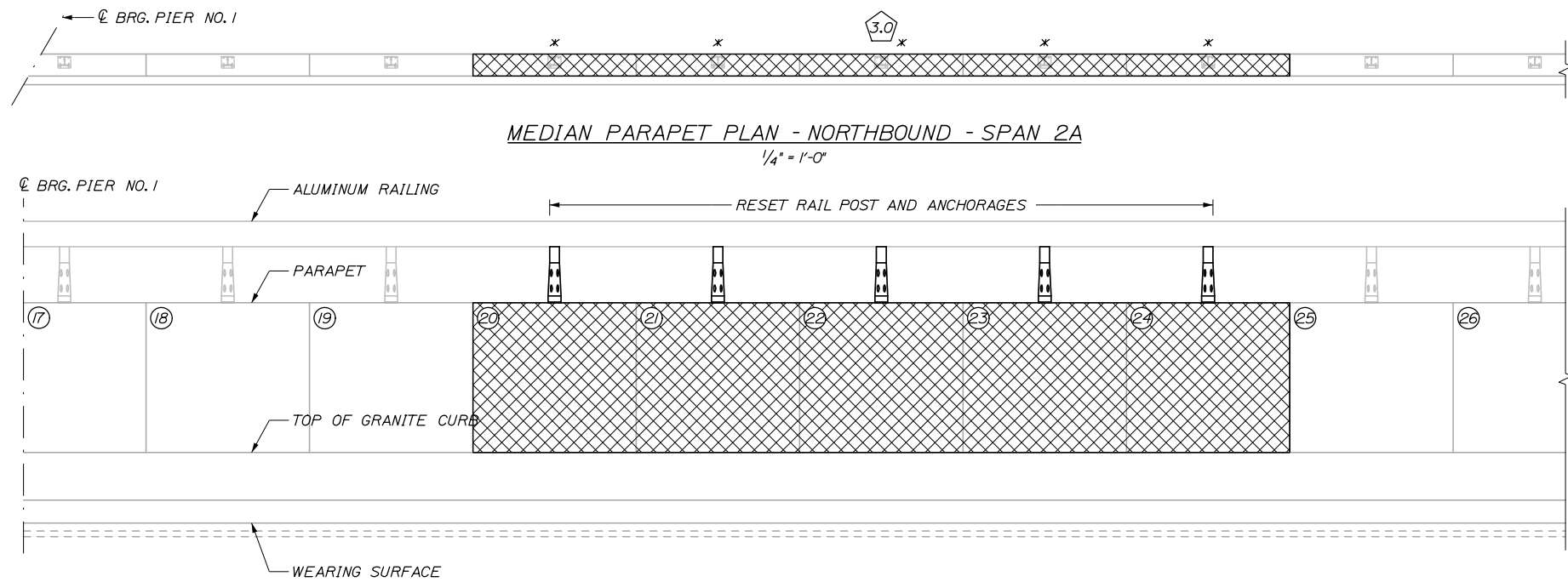
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XIII

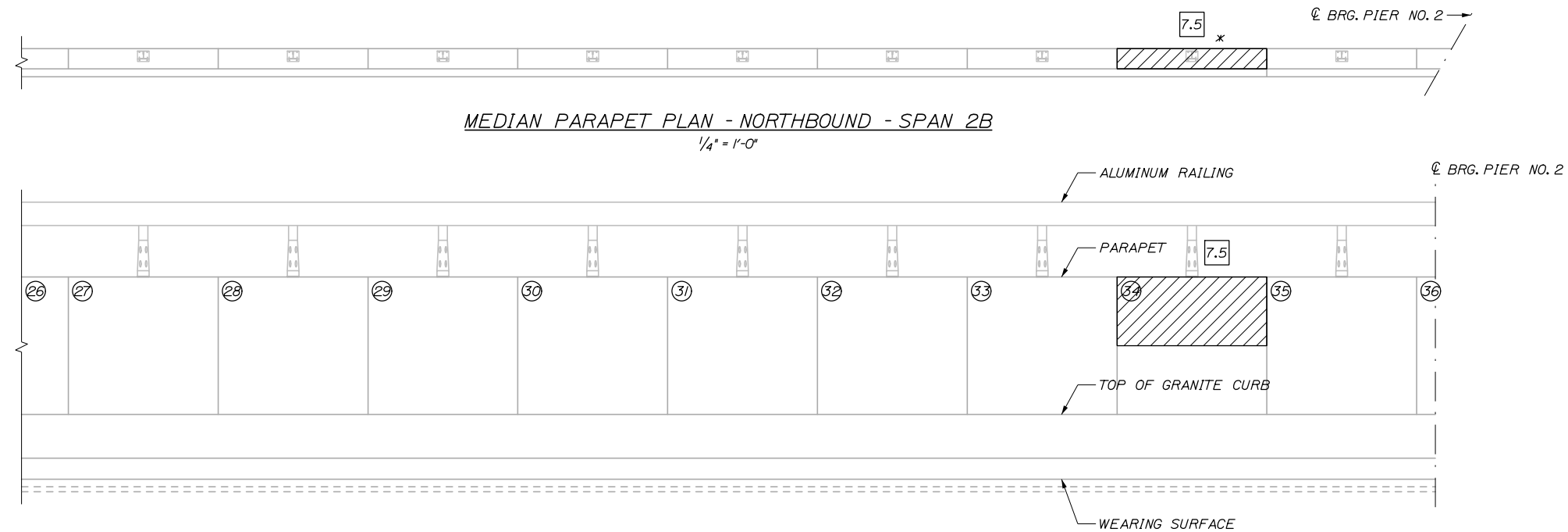
SHEET NUMBER: S-16
CONTRACT: 2025.06
56 OF 81

Date: 1/15/2025

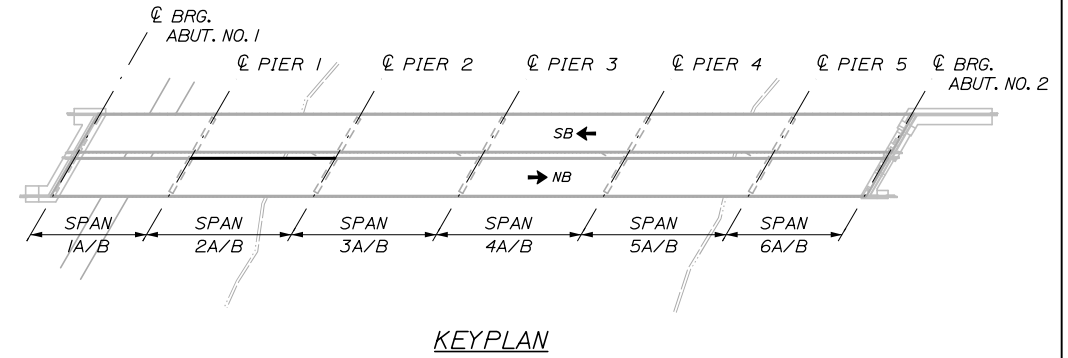
Filename: 057_Parapet Repair Elevations XIV.dgn



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 2A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 2B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



REPAIR QUANTITIES

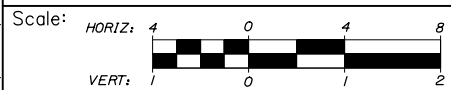
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 7.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 3 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 7.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▣ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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THE GOLD STAR
MEMORIAL HIGHWAY

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XIV

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |
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| | | | |
|--|---------|--------------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | Checked | Date |
| BRG | 01\2025 | GLT | 01\2025 |
| Drawn | ERB | In Charge of | TRC |
| | 01\2025 | | 01\2025 |

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

SHEET NUMBER: S-17

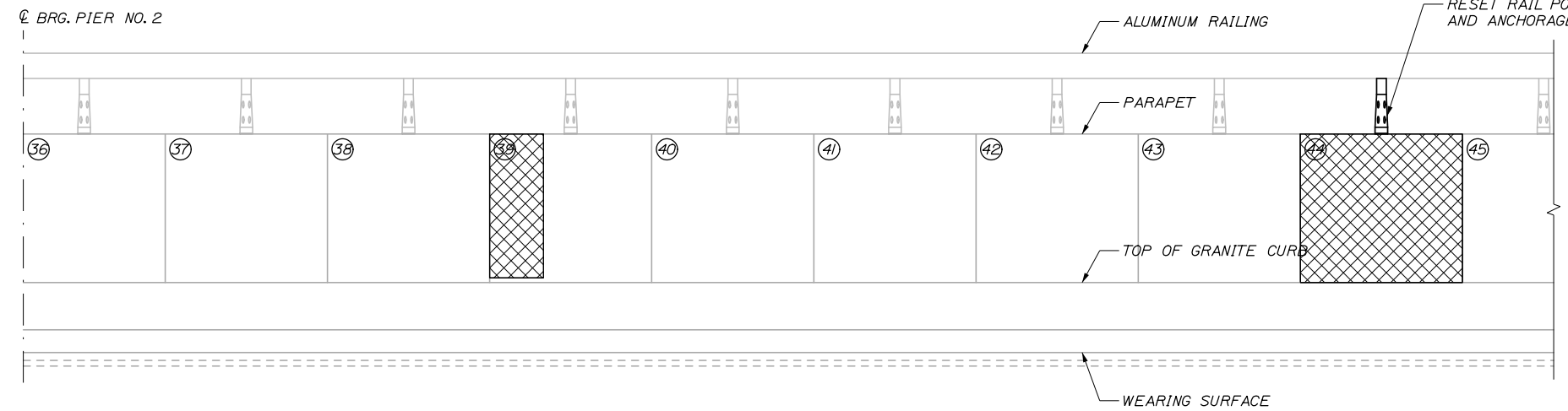
57 OF 81

Date: 1/15/2025

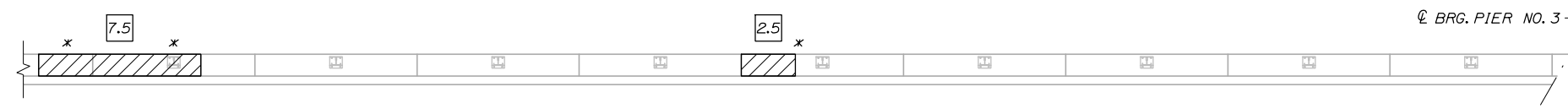
Filename: 058_Parapet Repair Elevations XV.dgn



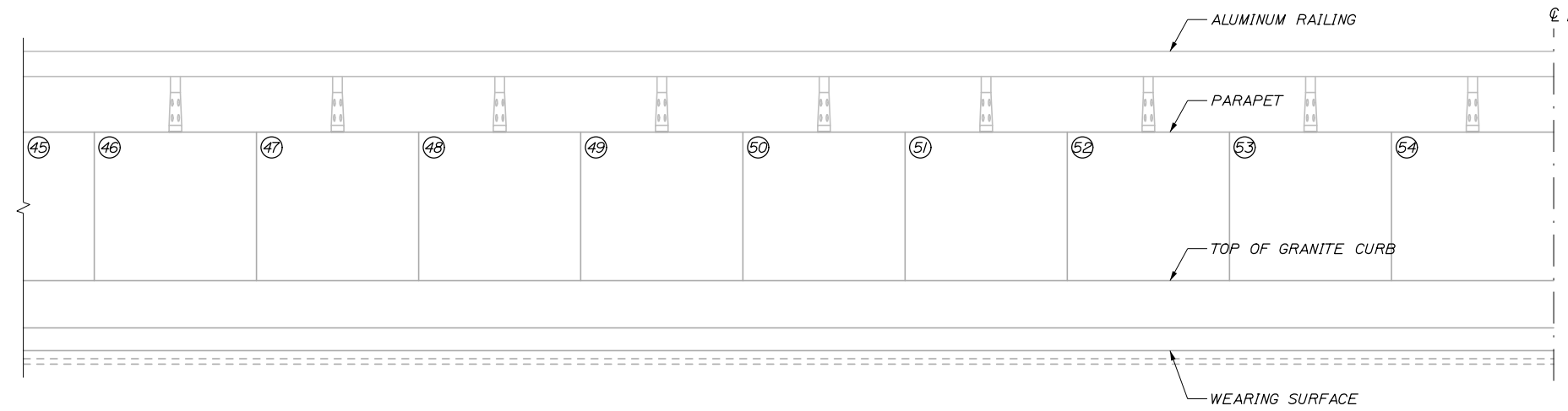
MEDIAN PARAPET PLAN - NORTHBOUND - SPAN 3A
1/4" = 1'-0"



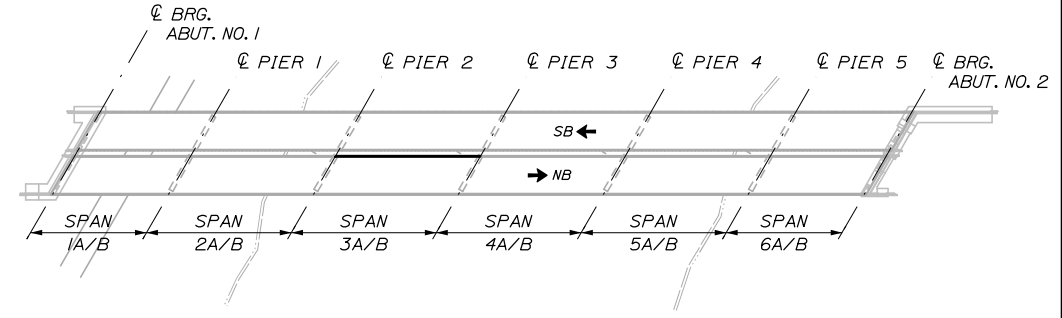
MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 3A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



MEDIAN PARAPET PLAN - NORTHBOUND - SPAN 3B
1/4" = 1'-0"



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 3B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

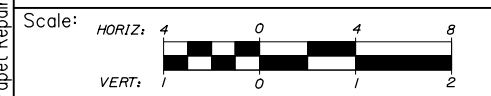
| | |
|---|-----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0.8 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 12.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▣ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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FAX (207) 228-0909

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

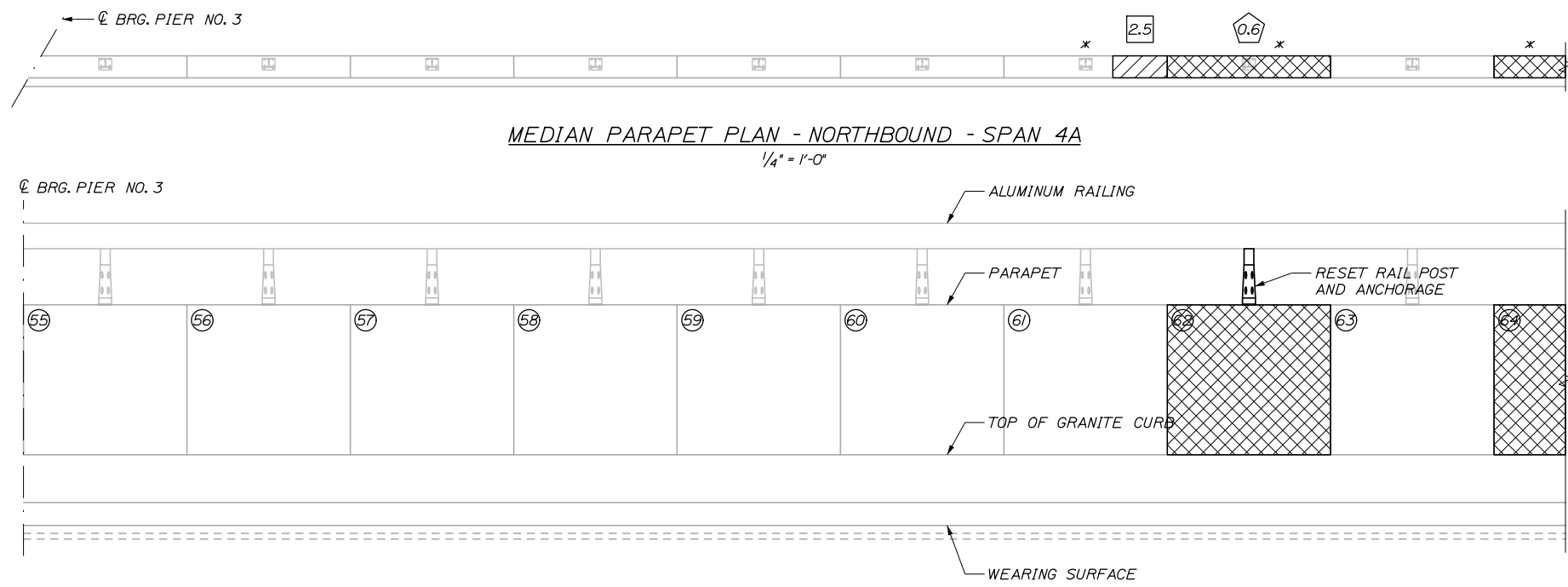
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XV

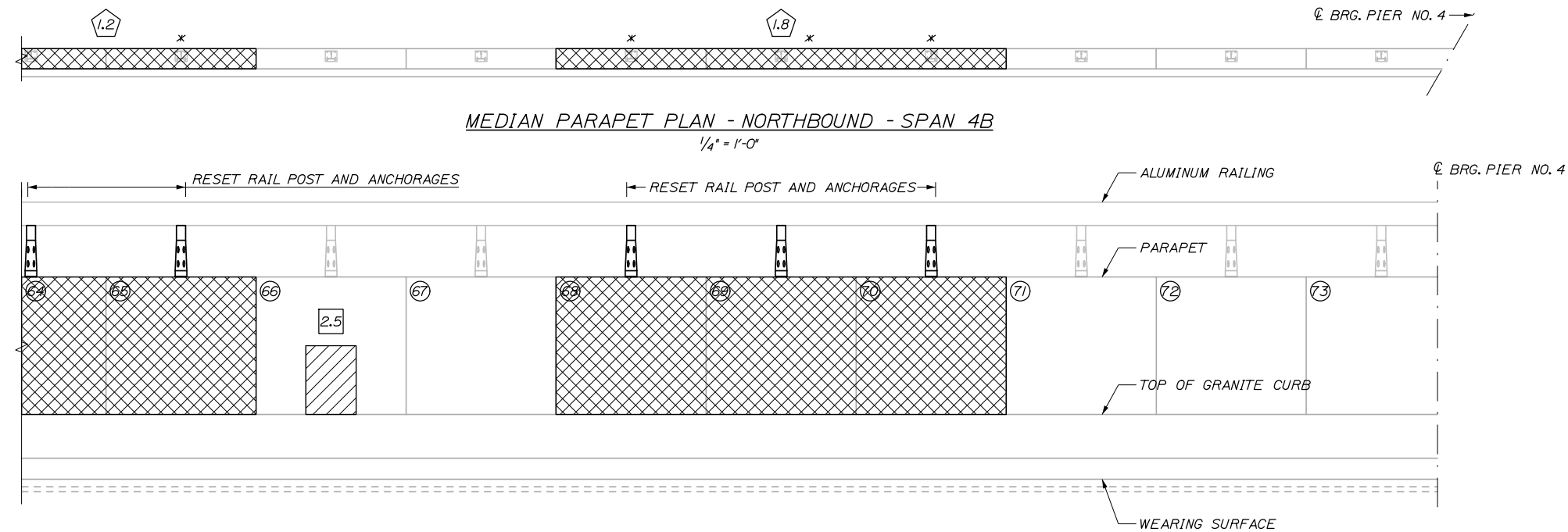
SHEET NUMBER: S-18
CONTRACT: 2025.06
8 OF 81

Date: 1/15/2025

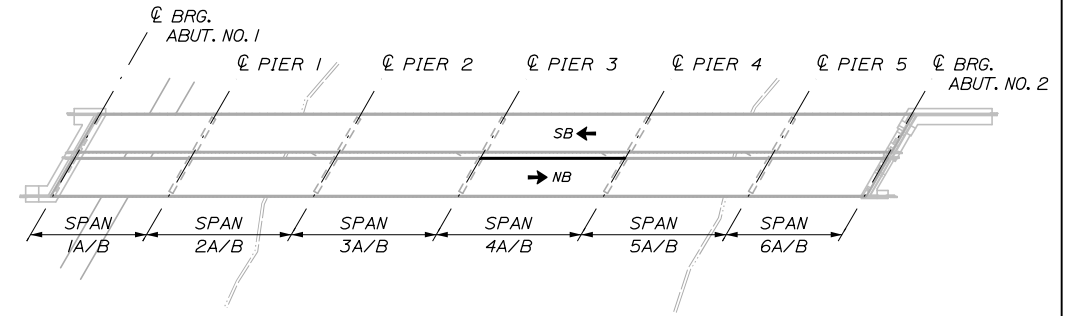
Filename: 059_Parapet Repair Elevations XVI.dgn



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 4A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 4B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

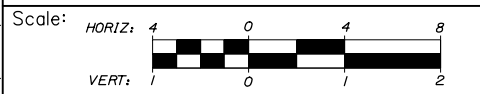
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 2.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 3.6 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▧ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
|-----|----------|----|------|
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| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR MEMORIAL HIGHWAY

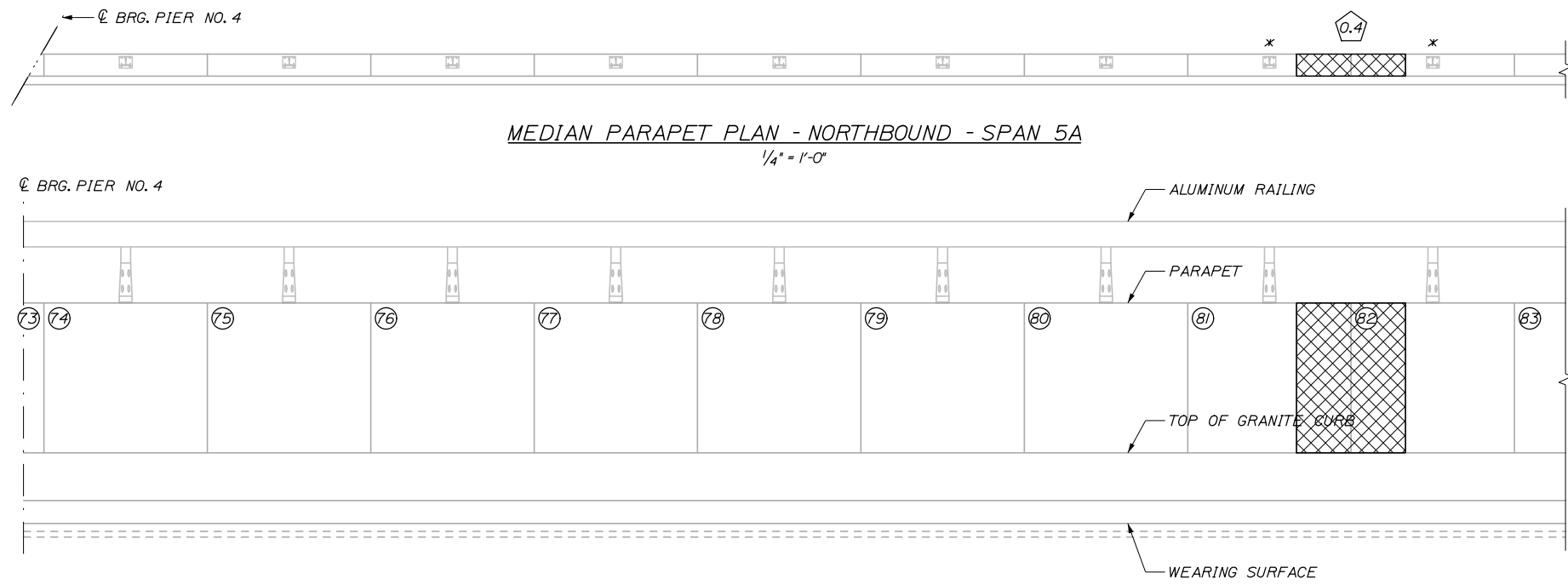
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
PARAPET REPAIR ELEVATIONS XVI

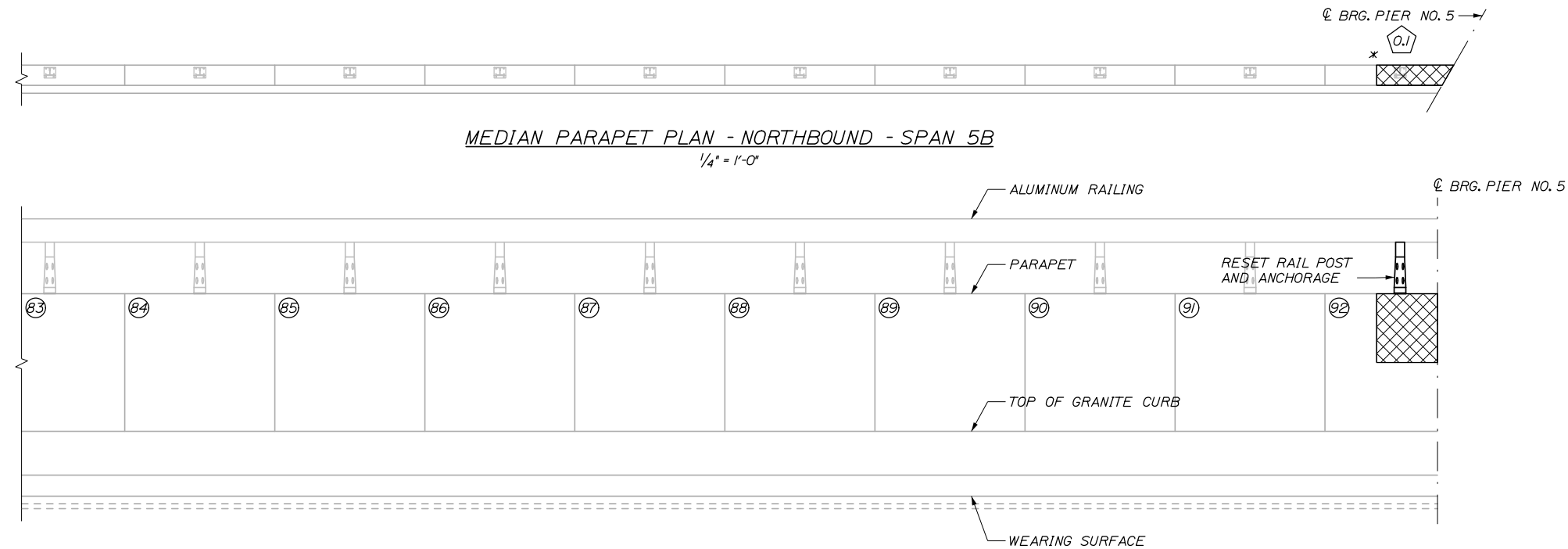
SHEET NUMBER: S-19
CONTRACT: 2025.06
9 OF 81

Date: 1/15/2025

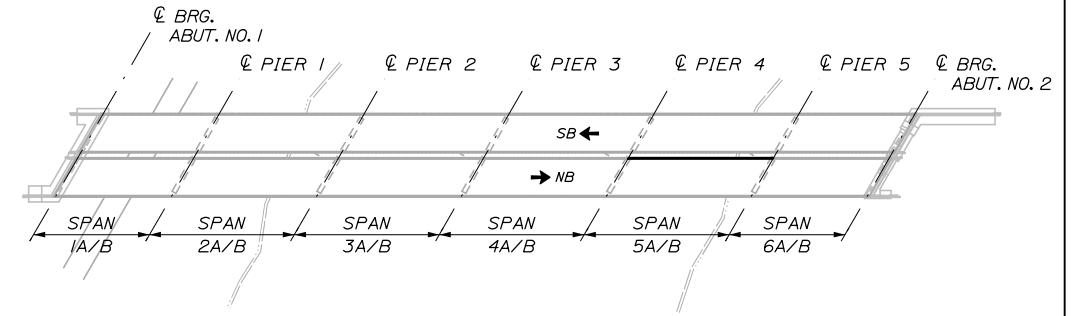
Filename: 060_Parapet Repair Elevations XVII.dgn



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 5A
 HORIZ. 1/4" = 1'-0"
 VERT. 1" = 1'-0"



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 5B
 HORIZ. 1/4" = 1'-0"
 VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

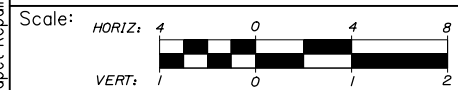
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 0.5 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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THE GOLD STAR
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ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XVII

| No. | Revision | By | Date |
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|--|---------|--------------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | Checked | Date |
| BRG | 01\2025 | GLT | 01\2025 |
| Drawn | ERB | In Charge of | TRC |
| | 01\2025 | | 01\2025 |

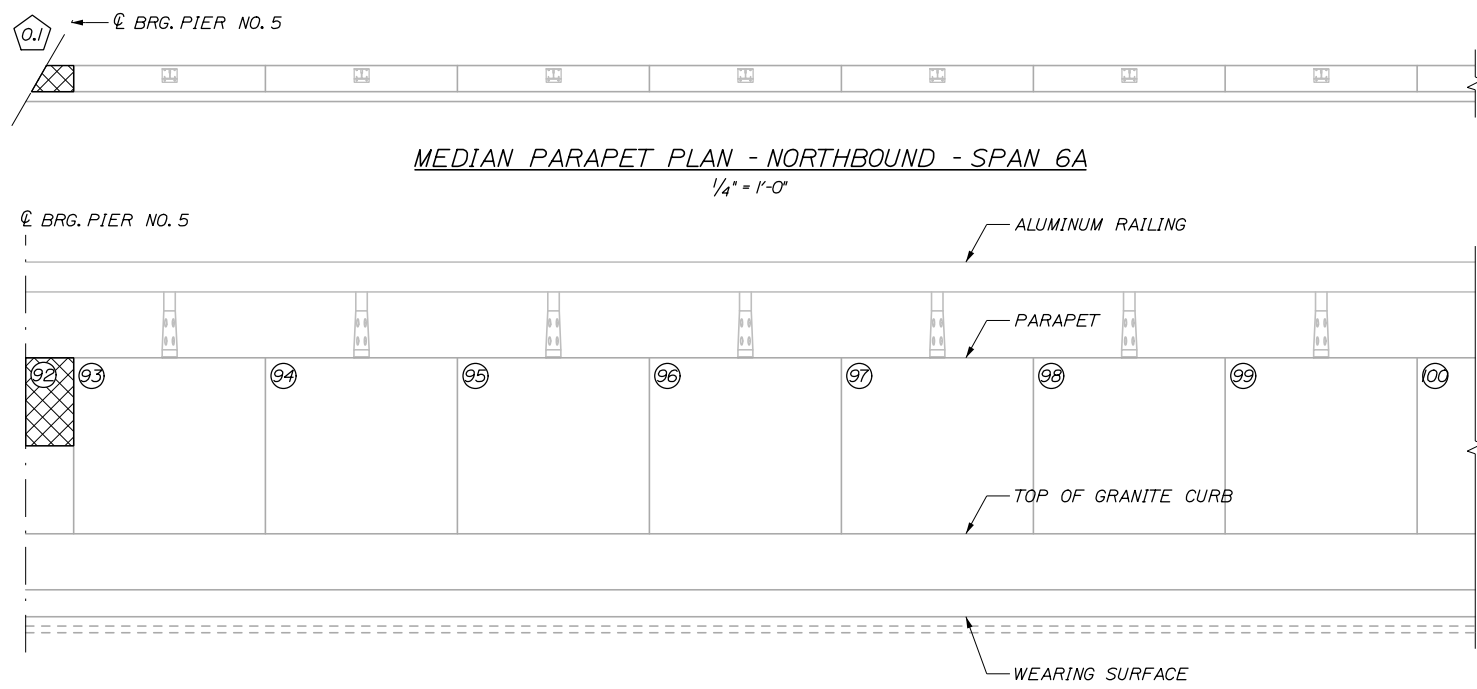
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

CONTRACT: 2025.06

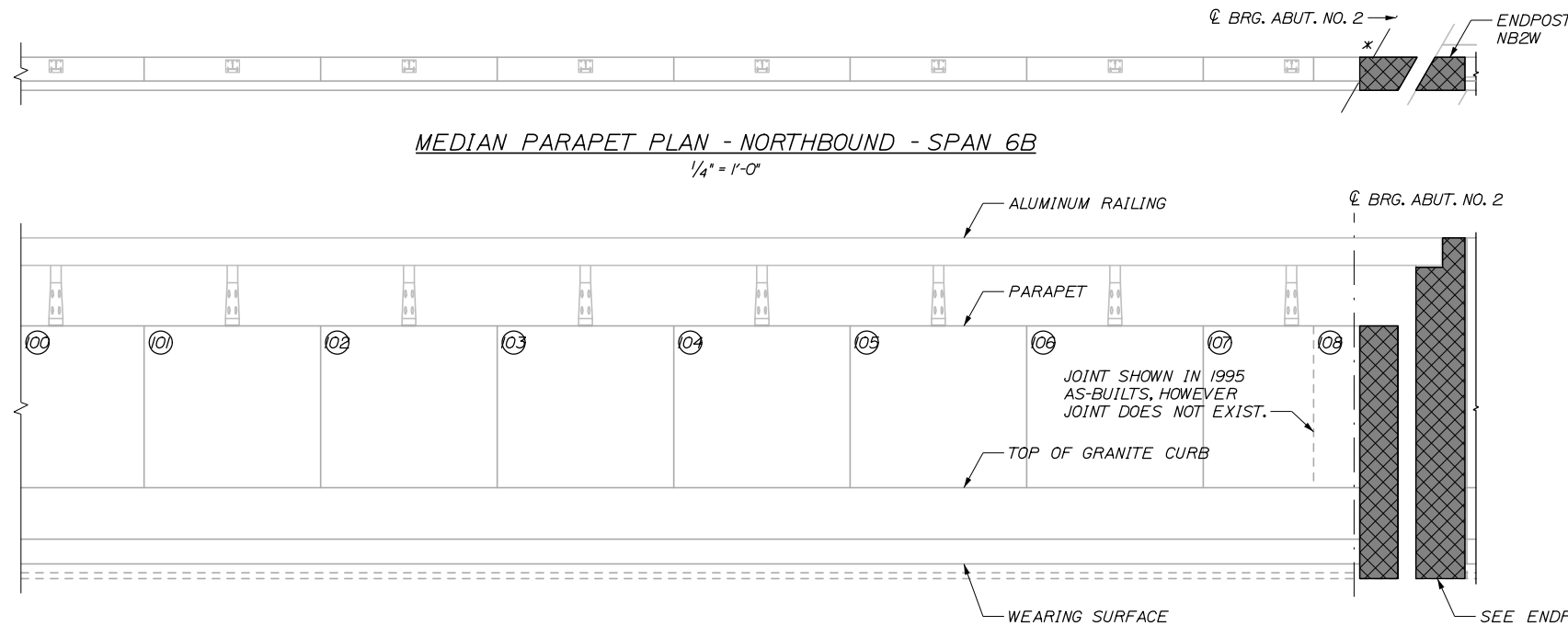
SHEET NUMBER: S-20

60 OF 81

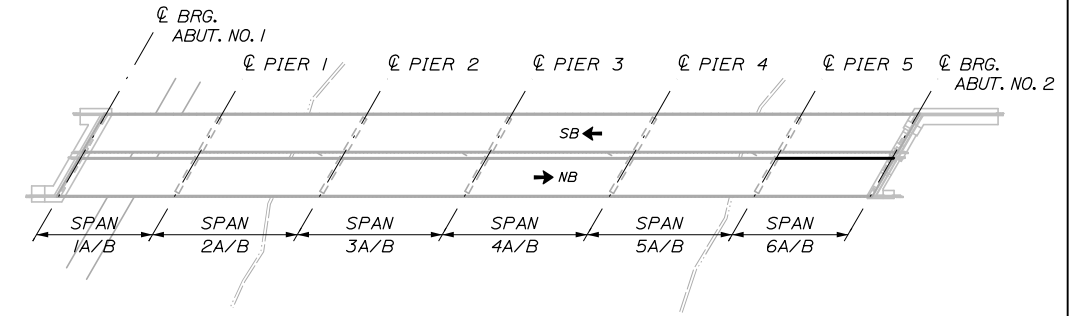
Date: 1/15/2025



MEDIAN PARAPET PLAN - ELEVATION - SPAN 6A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



MEDIAN PARAPET ELEVATION - NORTHBOUND - SPAN 6B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0 I.C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

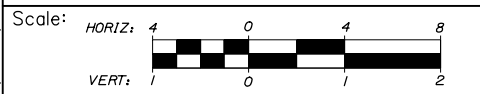
LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▣ XX FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▤ XX PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04

Filename: 061_Parapet.Repair Elevations XVIII.dgn



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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

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| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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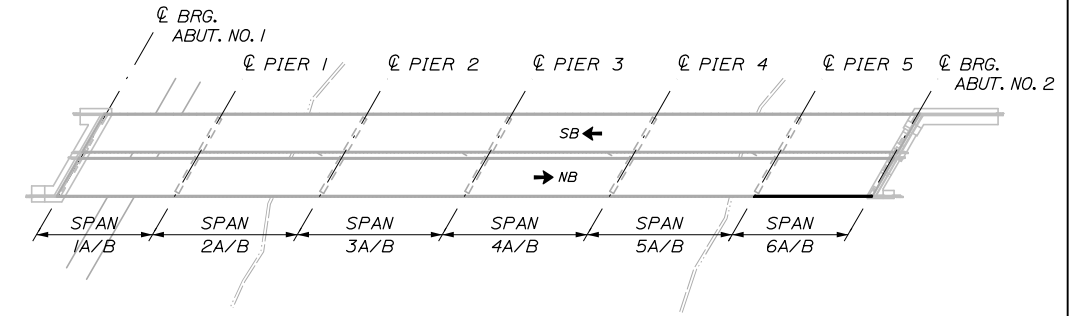
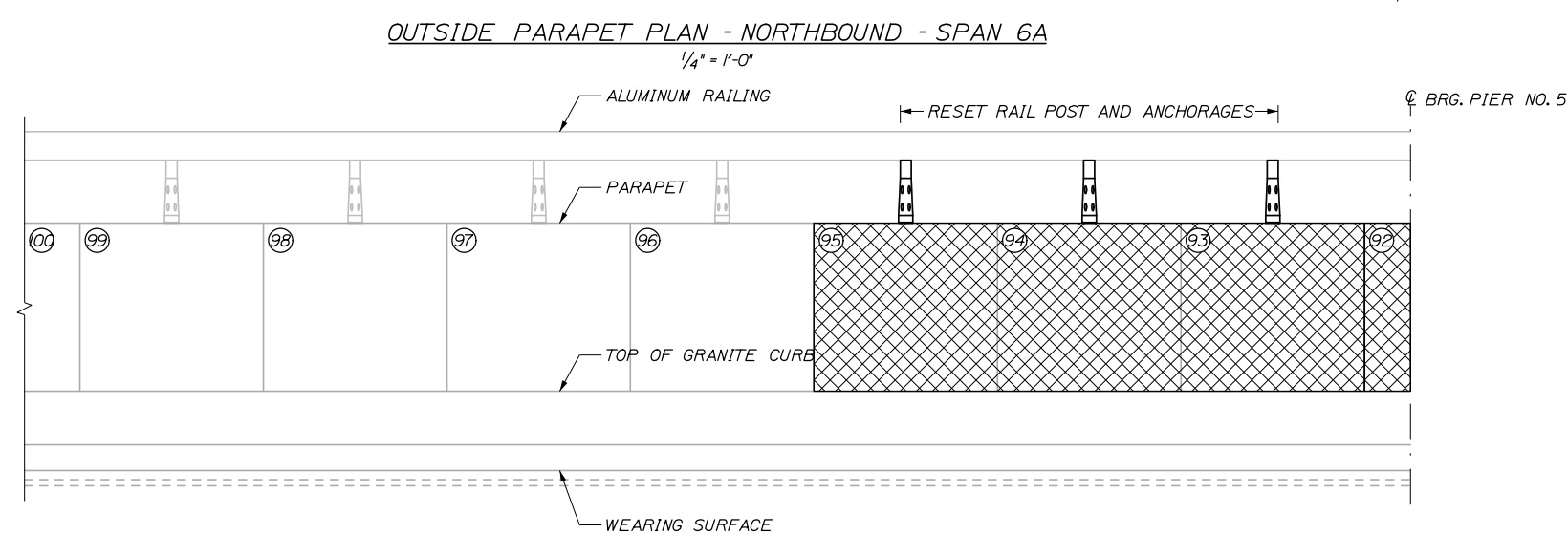
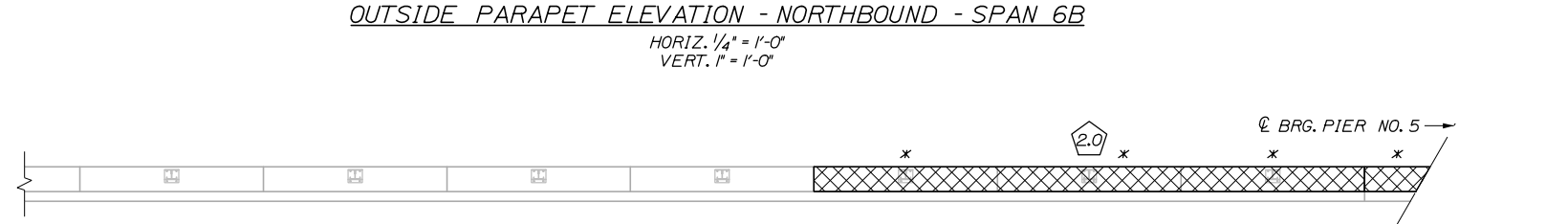
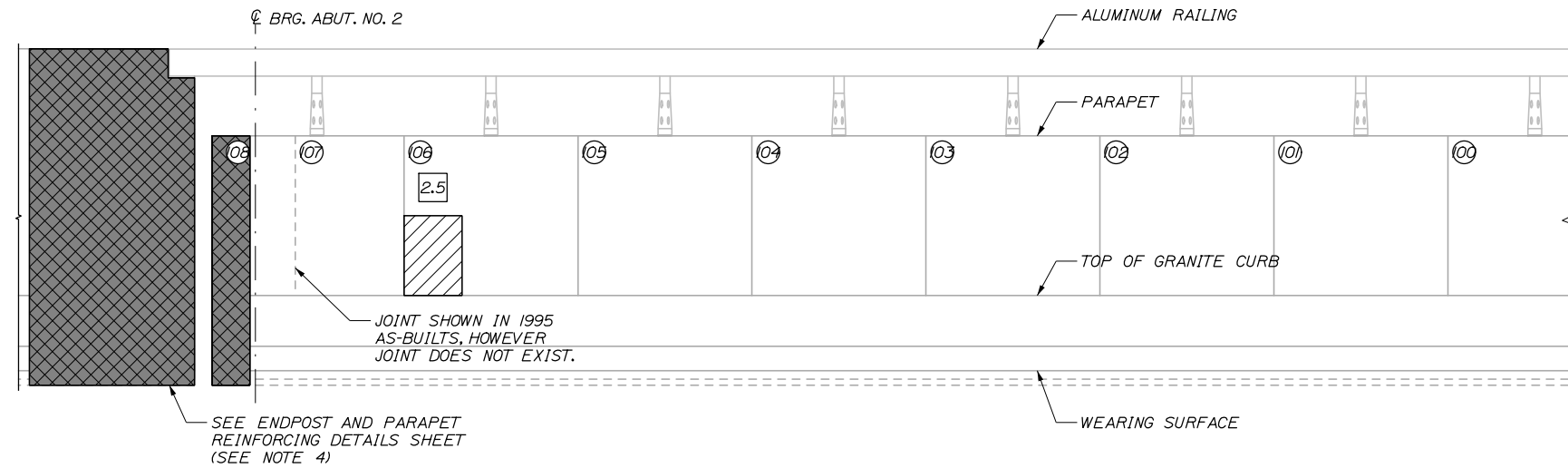
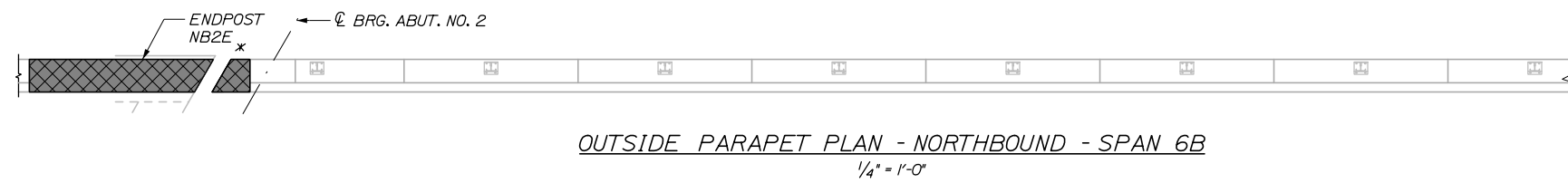
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
PARAPET REPAIR ELEVATIONS XVIII

SHEET NUMBER: S-21
CONTRACT: 2025.06
61 OF 81

Date: 1/15/2025

Filename: 062_Parapet Repair Elevations XIX.dgn



KEYPLAN

REPAIR QUANTITIES

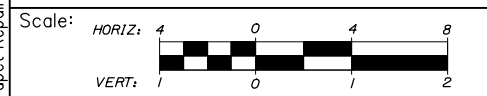
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 2.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 2.0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬡ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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| No. | Revision | By | Date |
|-----|----------|----|------|
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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
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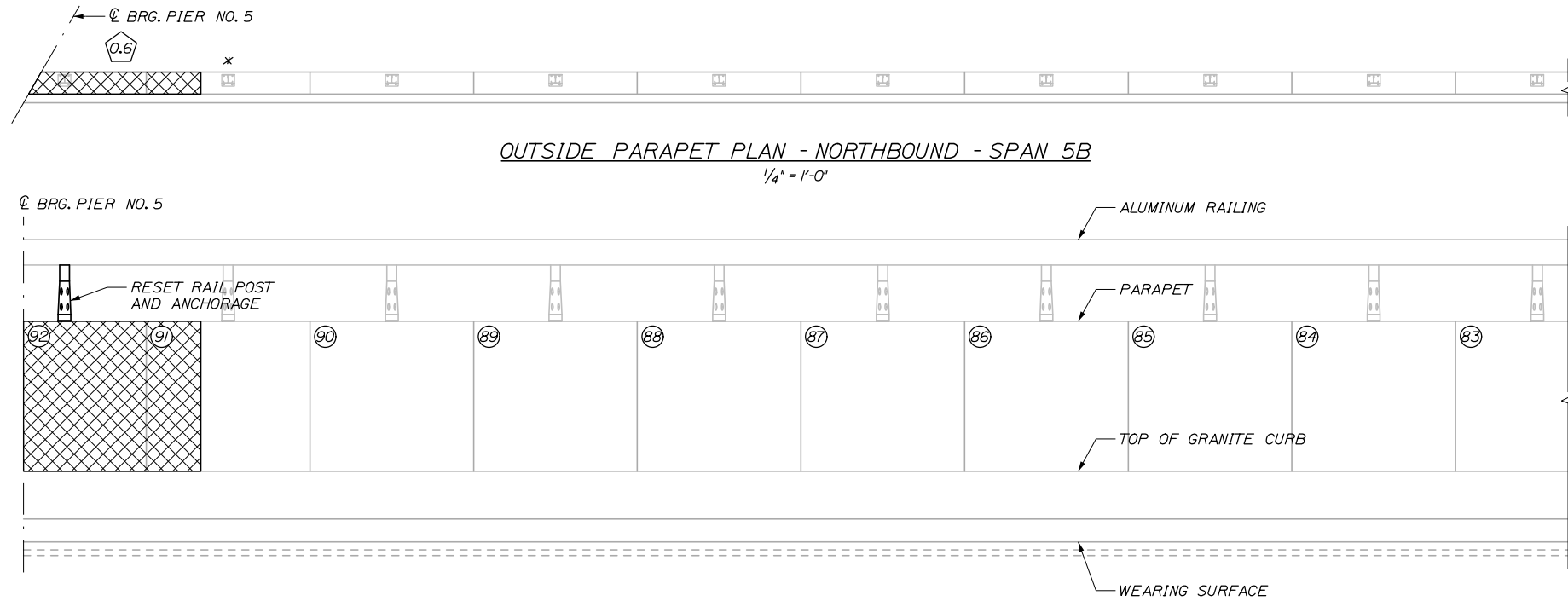
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR
 PARAPET REPAIR ELEVATIONS XIX

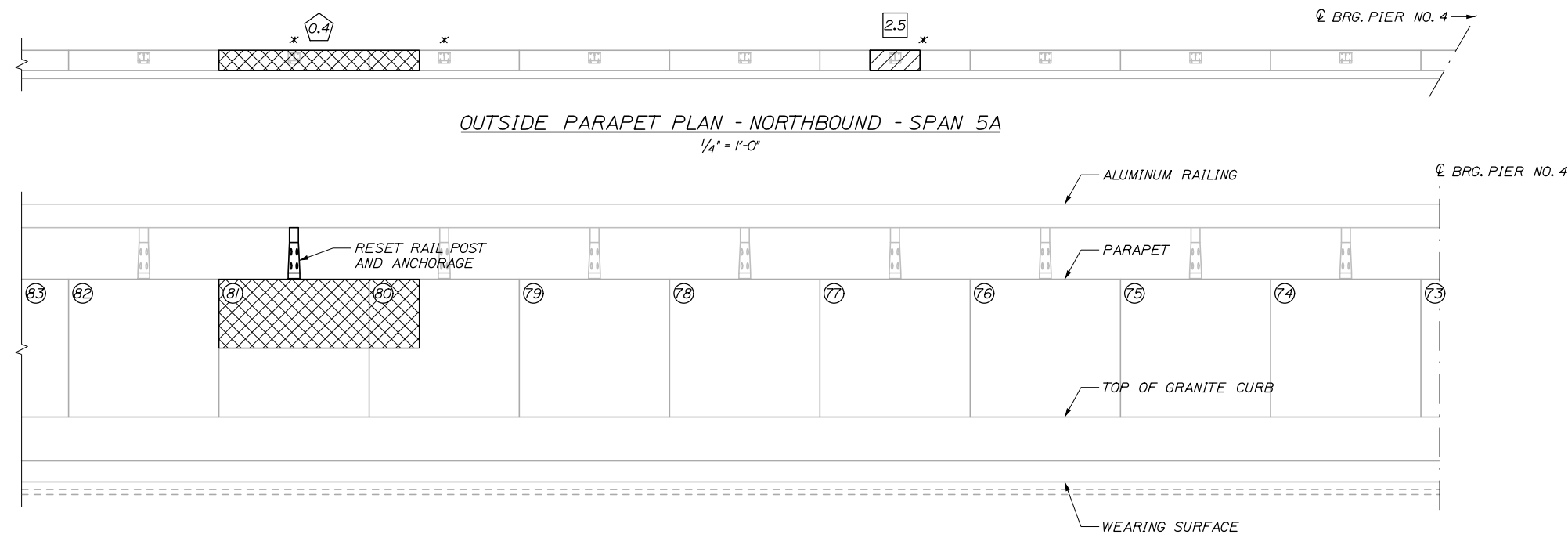
SHEET NUMBER: S-22
 CONTRACT: 2025.06
 62 OF 81

Date: 1/15/2025

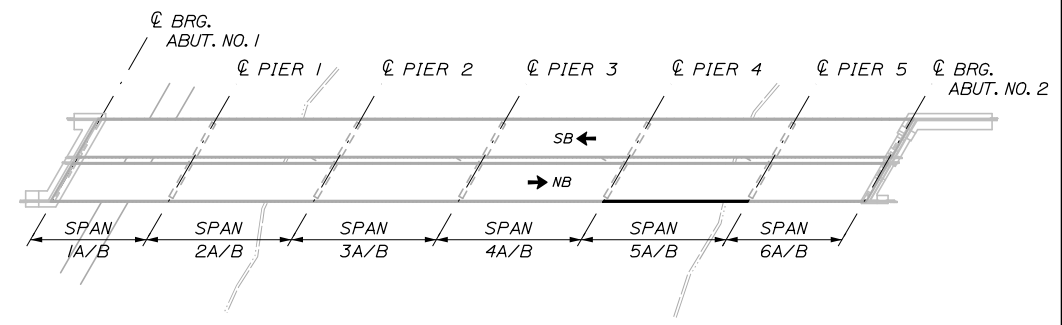
Filename: 063_Parapet Repair Elevations XX.dgn



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 5B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 5A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

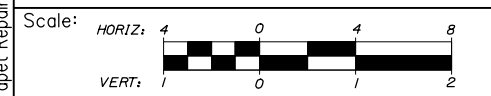
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 1.0 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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| No. | Revision | By | Date |
|-----|----------|----|------|
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| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
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THE GOLD STAR MEMORIAL HIGHWAY

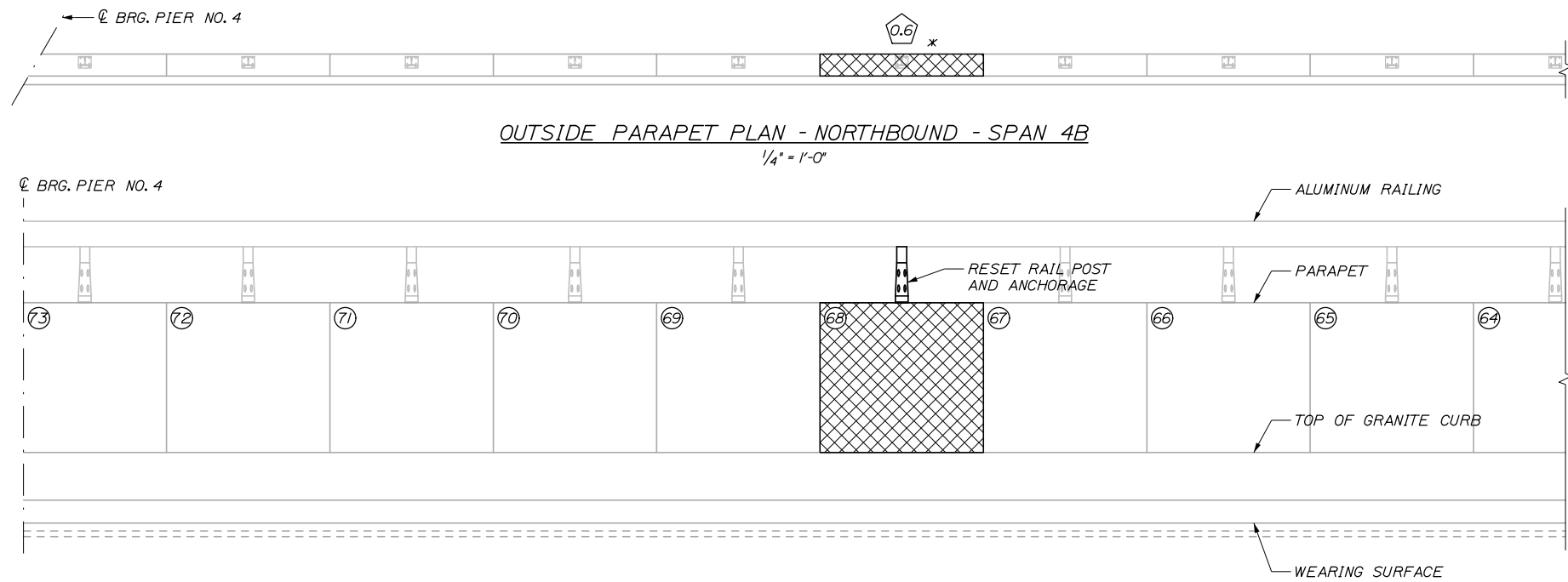
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
PARAPET REPAIR ELEVATIONS XX

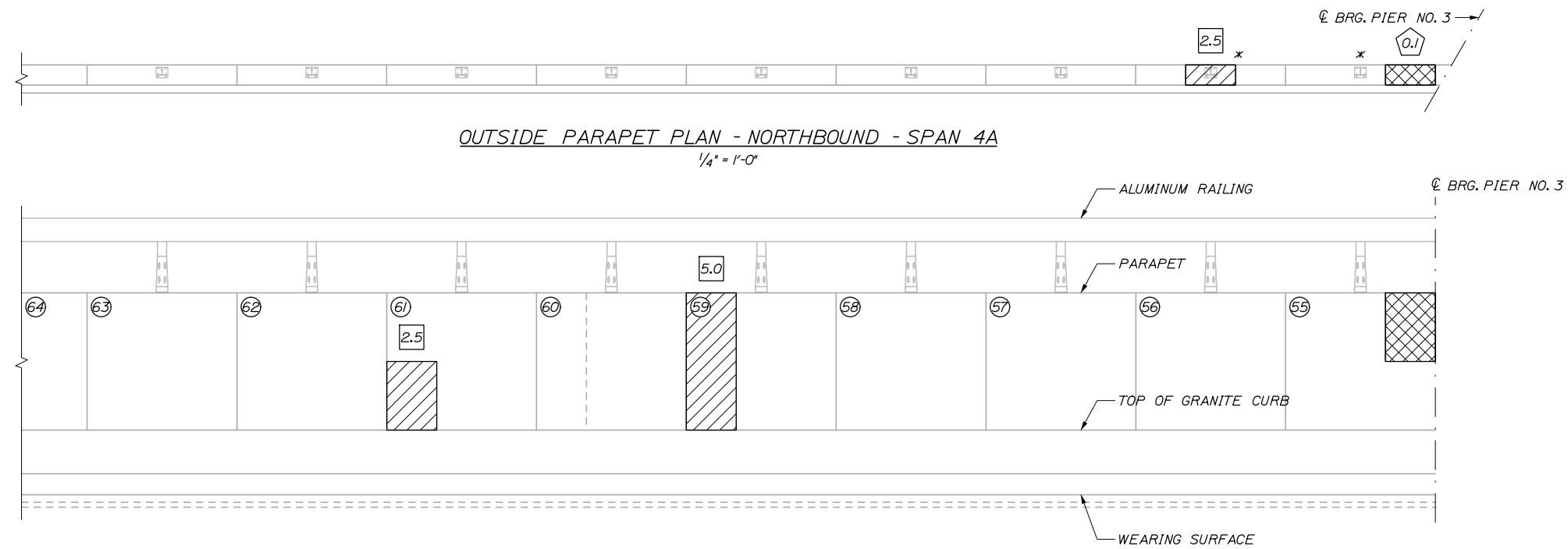
SHEET NUMBER: S-23
CONTRACT: 2025.06
63 OF 81

Date: 1/15/2025

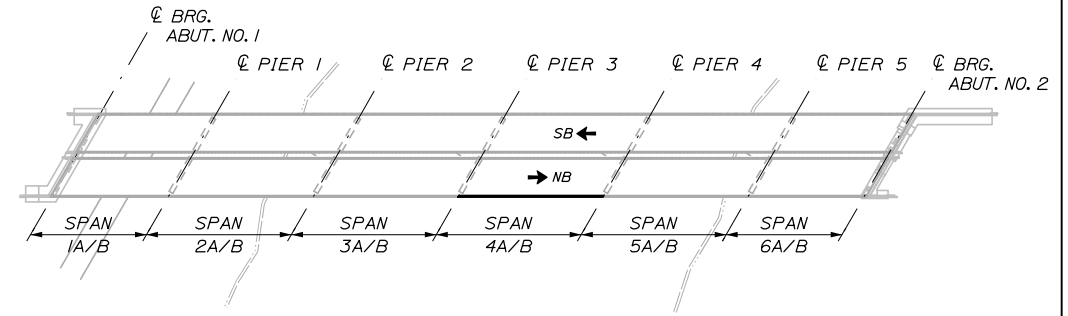
Filename: 064_Parapet Repair Elevations XXI.dgn



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 4B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 4A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

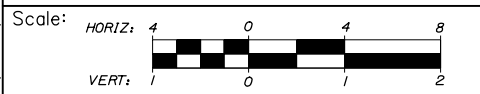
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 7.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 0.7 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 2.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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|--|---------|--------------|---------|
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| By | Date | Checked | Date |
| BRG | 01\2025 | GLT | 01\2025 |
| Drawn | Date | In Charge of | Date |
| ERB | 01\2025 | TRC | 01\2025 |

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MAINE TURNPIKE

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MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XXI

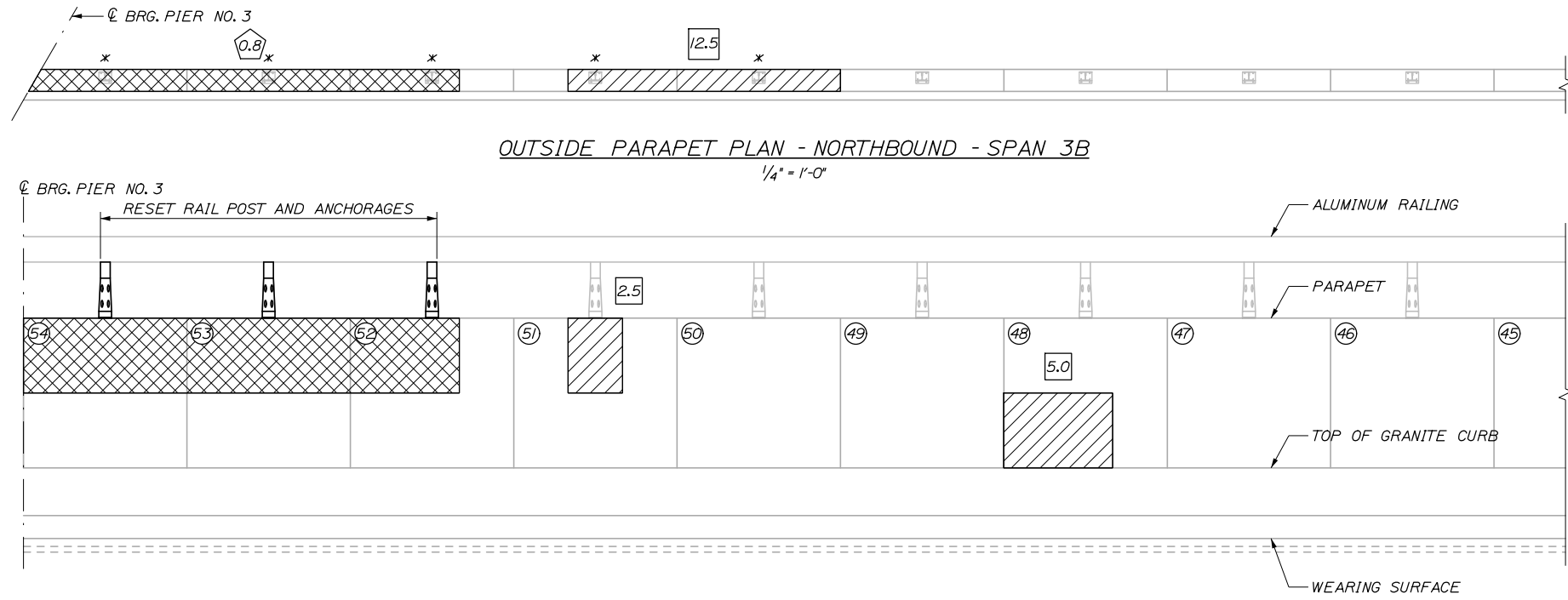
SHEET NUMBER: S-24

CONTRACT: 2025.06

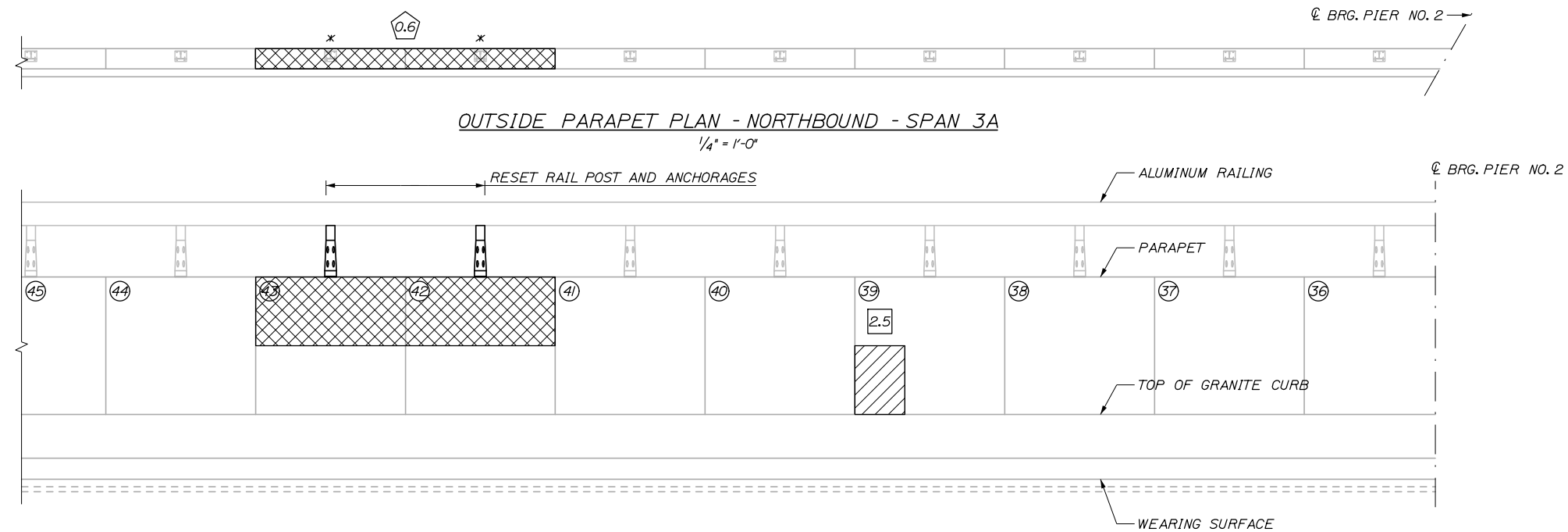
64 OF 81

Date: 1/15/2025

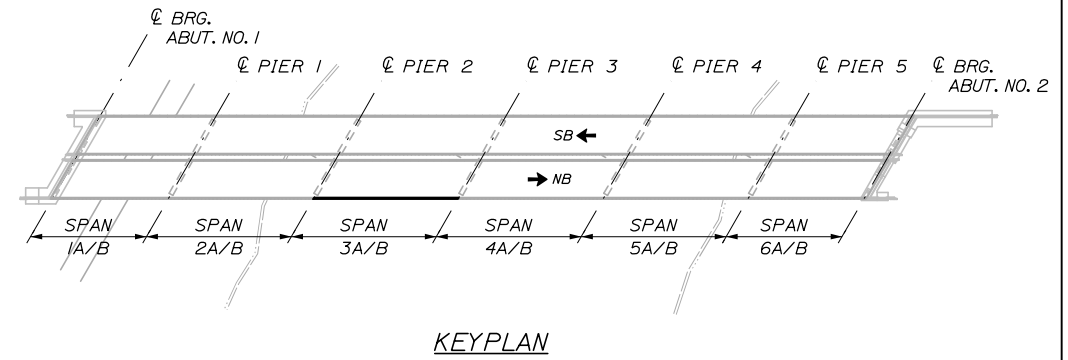
Filename: 065_Parapet Repair Elevations XXII.dgn



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 3B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 3A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



REPAIR QUANTITIES

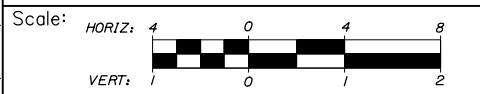
| | |
|---|-----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 10 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.61) | 1.4 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 12.5 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
|-----|----------|----|------|
| | | | |

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
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| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

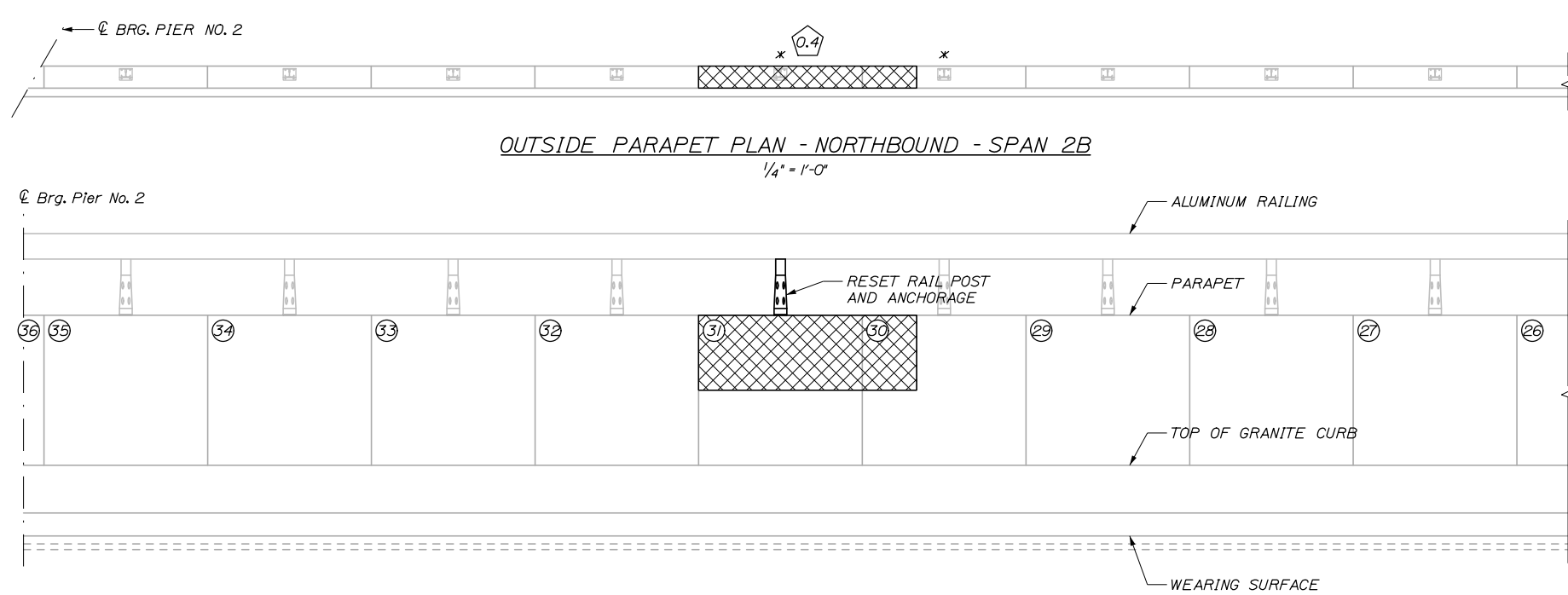
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET REPAIR ELEVATIONS XXII

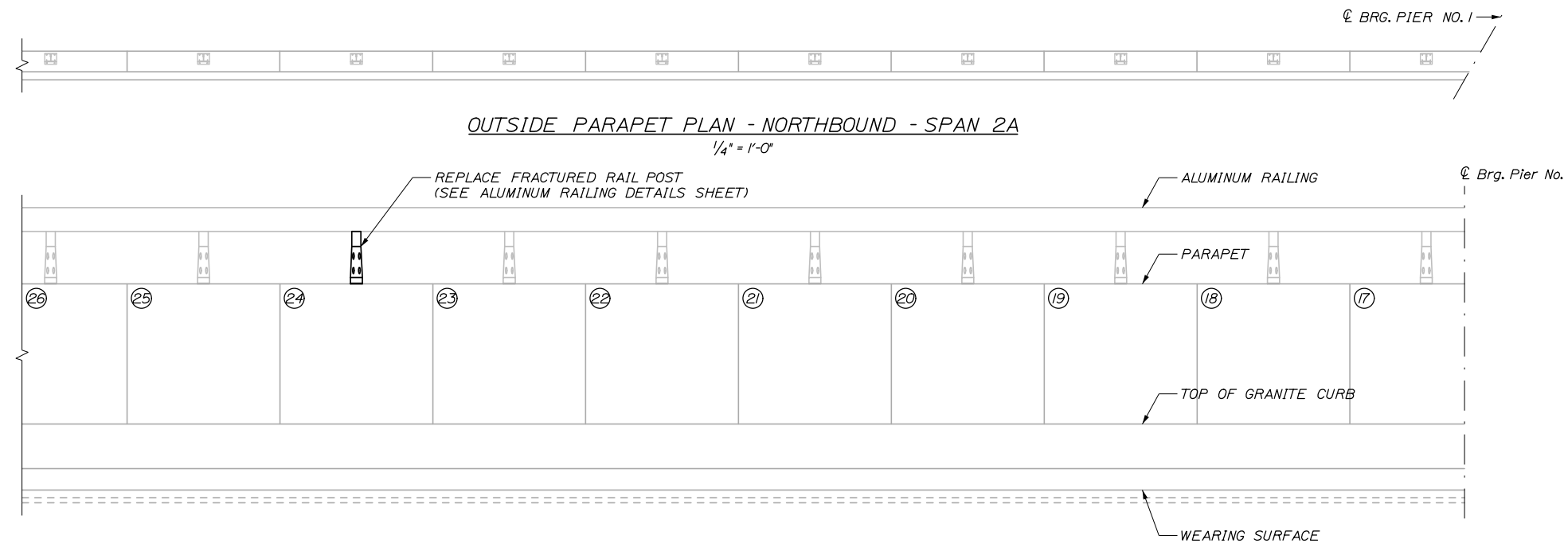
SHEET NUMBER: S-25
CONTRACT: 2025.06
65 OF 81

Date: 1/15/2025

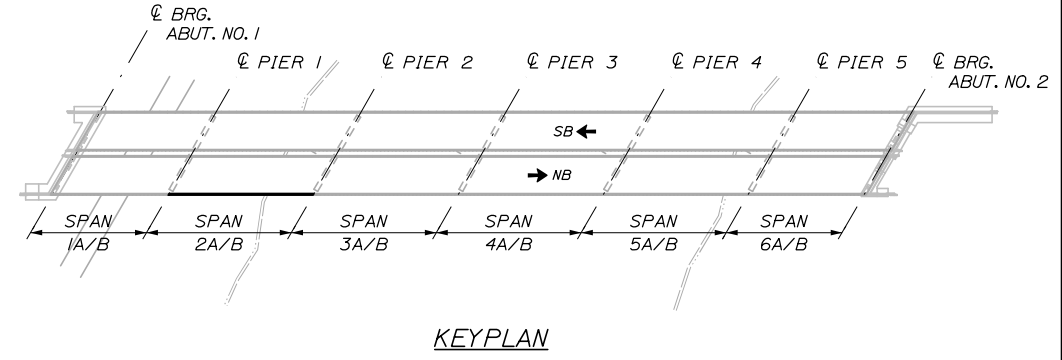
Filename: 066_Parapet Repair Elevations XXIII.dgn



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 2B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 2A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



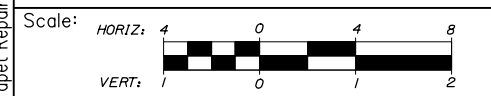
REPAIR QUANTITIES

| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 0 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0.4 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ⊠ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:
FOR PARAPET REPAIR NOTES, SEE SHEET S-04



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CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

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|-----|----------|----|------|
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| | By | Date | | By | Date |
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THE GOLD STAR MEMORIAL HIGHWAY

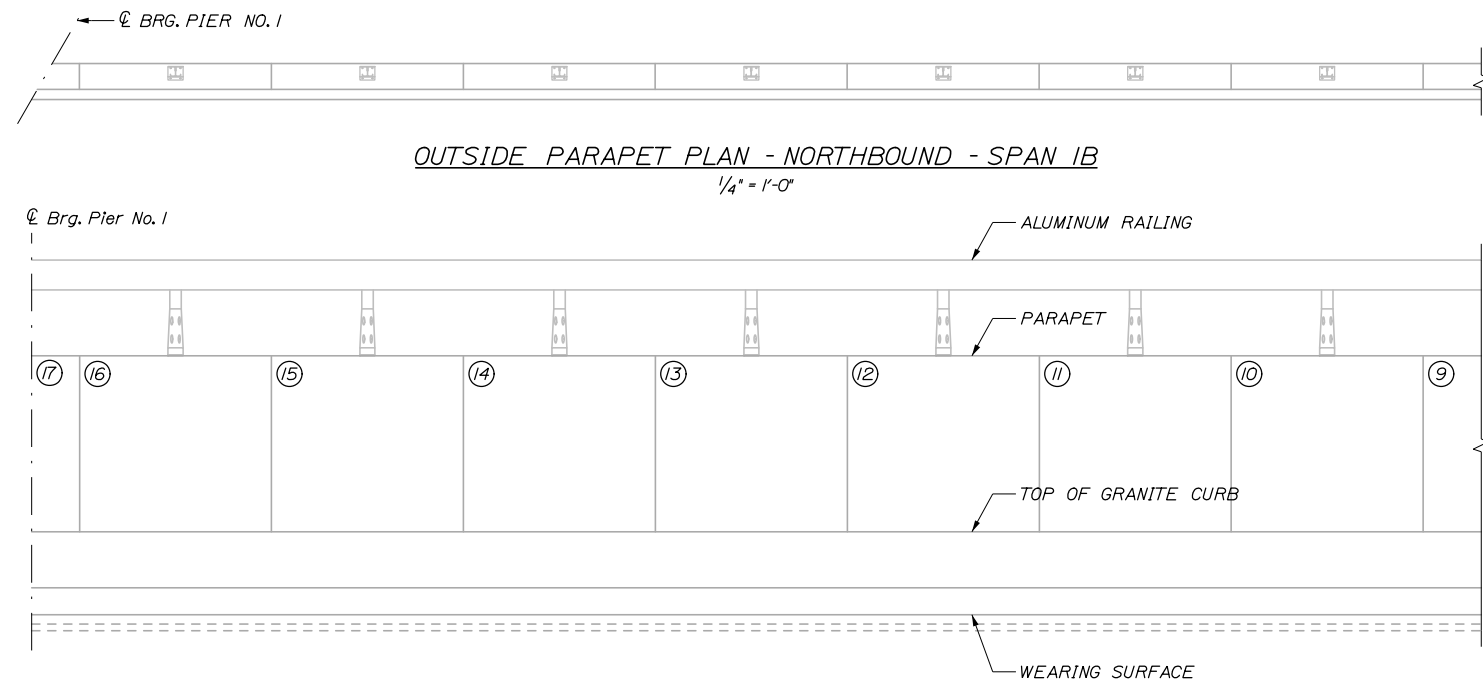
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
PARAPET REPAIR ELEVATIONS XXIII

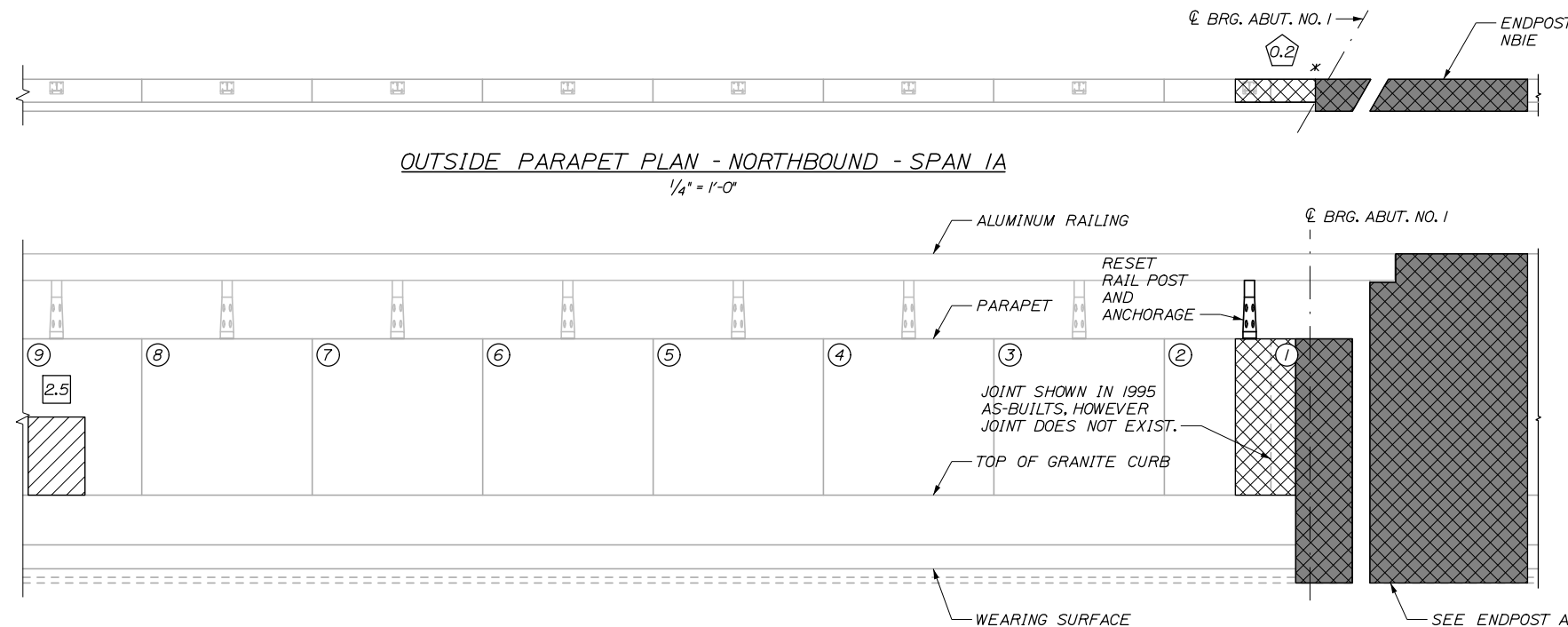
SHEET NUMBER: S-26
CONTRACT: 2025.06
66 OF 81

Date: 1/15/2025

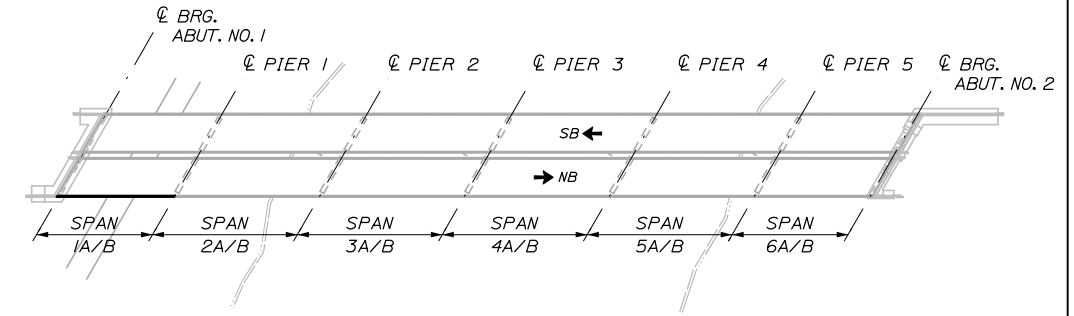
Filename: 067_Parapet Repair Elevations XXIV.dgn



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 1B
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



OUTSIDE PARAPET ELEVATION - NORTHBOUND - SPAN 1A
HORIZ. 1/4" = 1'-0"
VERT. 1" = 1'-0"



KEYPLAN

REPAIR QUANTITIES

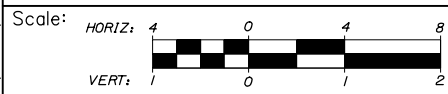
| | |
|---|----------|
| EPOXY INJECTION CRACK REPAIR (ITEM 518.40) | 0 L.F. |
| REPAIR OF VERTICAL SURFACE < 8 INCHES (ITEM 518.60) | 2.5 S.F. |
| FULL DEPTH PARAPET REPAIR (ITEM 518.611) | 0.2 C.Y. |
| REPAIR OF UPWARD FACING SURFACES < 8 INCHES (ITEM 518.51) | 0 S.F. |

LEGEND

- (XX) PANEL NUMBER (BEGINNING AT SOUTH ABUTMENT)
- ~ EPOXY INJECTION CRACK REPAIR
- ◇ XX LINEAR FOOT LENGTH OF CRACK
- ▨ REPAIR OF SURFACES < 8 INCHES
- XX SQUARE FOOT AREA OF PARTIAL DEPTH REPAIR
- ▩ FULL DEPTH PARAPET REPAIR
- ⬠ XX CUBIC YARDS OF FULL DEPTH REPAIR
- ▧ PARAPET AND ENDPOST REPLACEMENT AT JOINT
- * PROTECTIVE SHIELDING FOR PARAPET REPAIR REQUIRED AT THIS PANEL

NOTES:

FOR PARAPET REPAIR NOTES, SEE SHEET S-04



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| No. | Revision | By | Date |
|-----|----------|----|------|
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| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

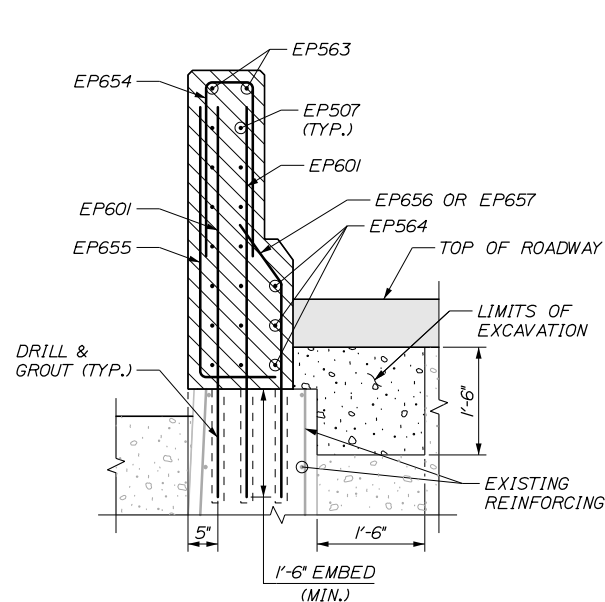
PARAPET REPAIR ELEVATIONS XXIV

SHEET NUMBER: S-27

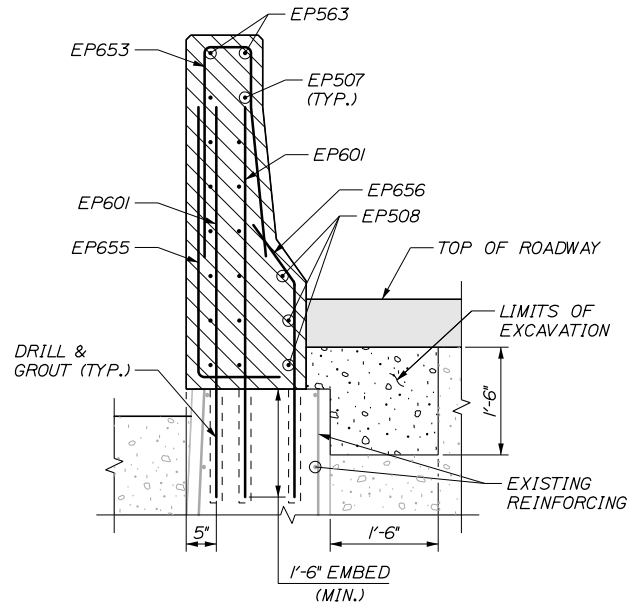
CONTRACT: 2025.06

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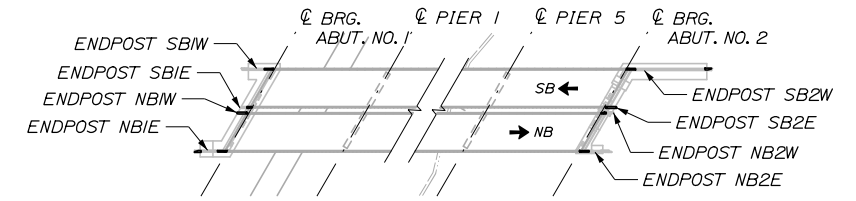
Date: 1/15/2025



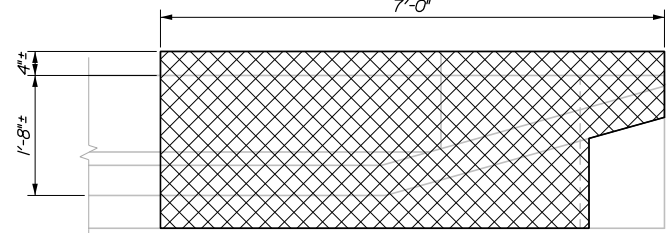
SECTION A-A
3/4" = 1'-0"



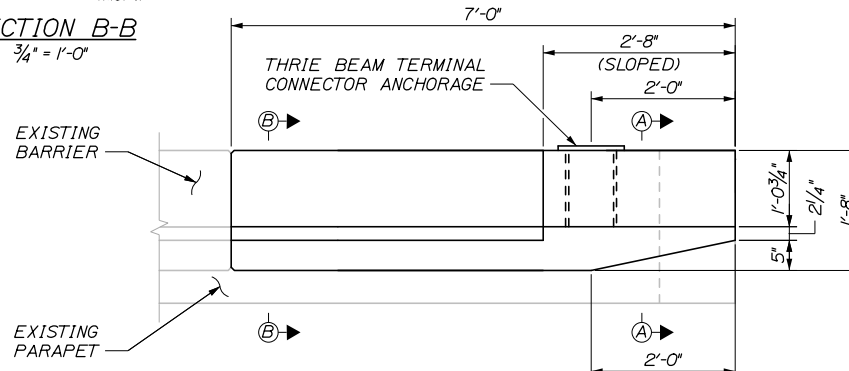
SECTION B-B
3/4" = 1'-0"



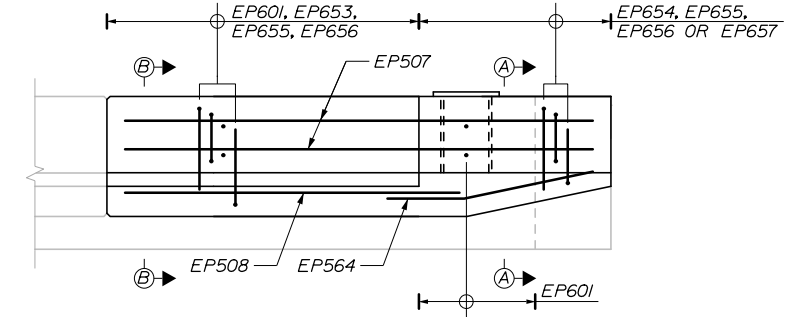
ENDPOST KEYPLAN



END POST DEMOLITION PLAN
(ENDPOST NBIE AND SB2W)
3/4" = 1'-0"



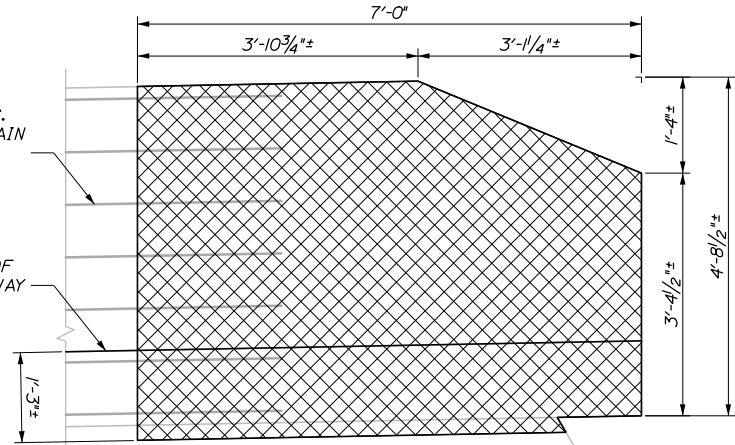
END POST PLAN
(ENDPOST NBIE AND SB2W)
3/4" = 1'-0"



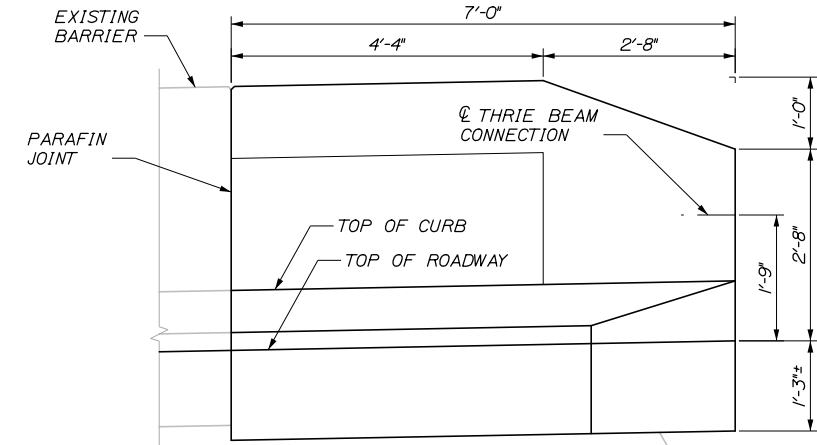
END POST REINFORCING PLAN
(ENDPOST NBIE AND SB2W)
3/4" = 1'-0"

EXISTING LONG BARS TO REMAIN (TYP.)

TOP OF ROADWAY



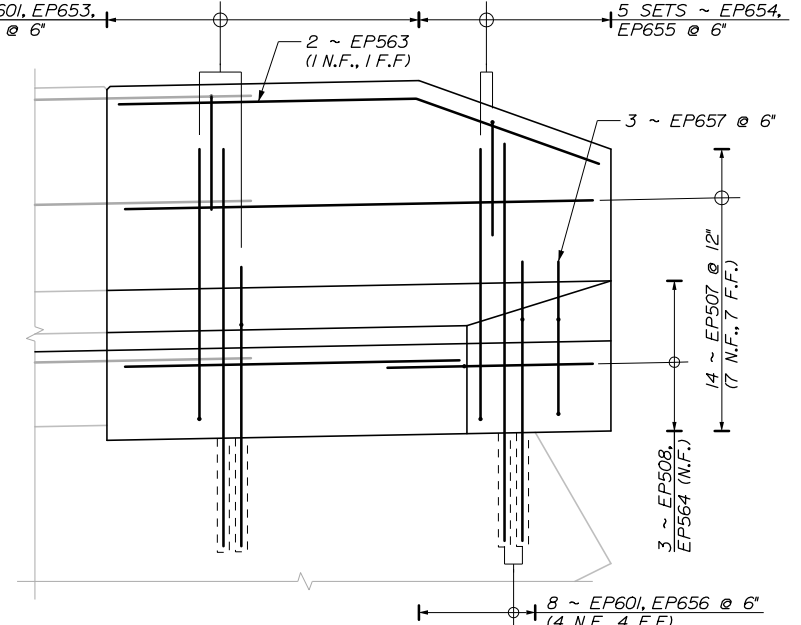
END POST DEMOLITION ELEVATION
(ENDPOST NBIE AND SB2W)
3/4" = 1'-0"



END POST ELEVATION
(ENDPOST NBIE AND SB2W)
3/4" = 1'-0"

9 SETS ~ EP601, EP653, EP655, EP656 @ 6"

5 SETS ~ EP654, EP655 @ 6"



END POST REINFORCING ELEVATION
(ENDPOST NBIE AND SB2W)
3/4" = 1'-0"

Filename: 068_Parapet and Endpost_Reinf.dgn

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| Designed by: | | | | | |
| HNTB | | | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| | Designed | KEB 01\2025 | | Checked | BRG 01\2025 |
| | Drawn | ERB 01\2025 | | In Charge of | TRC 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

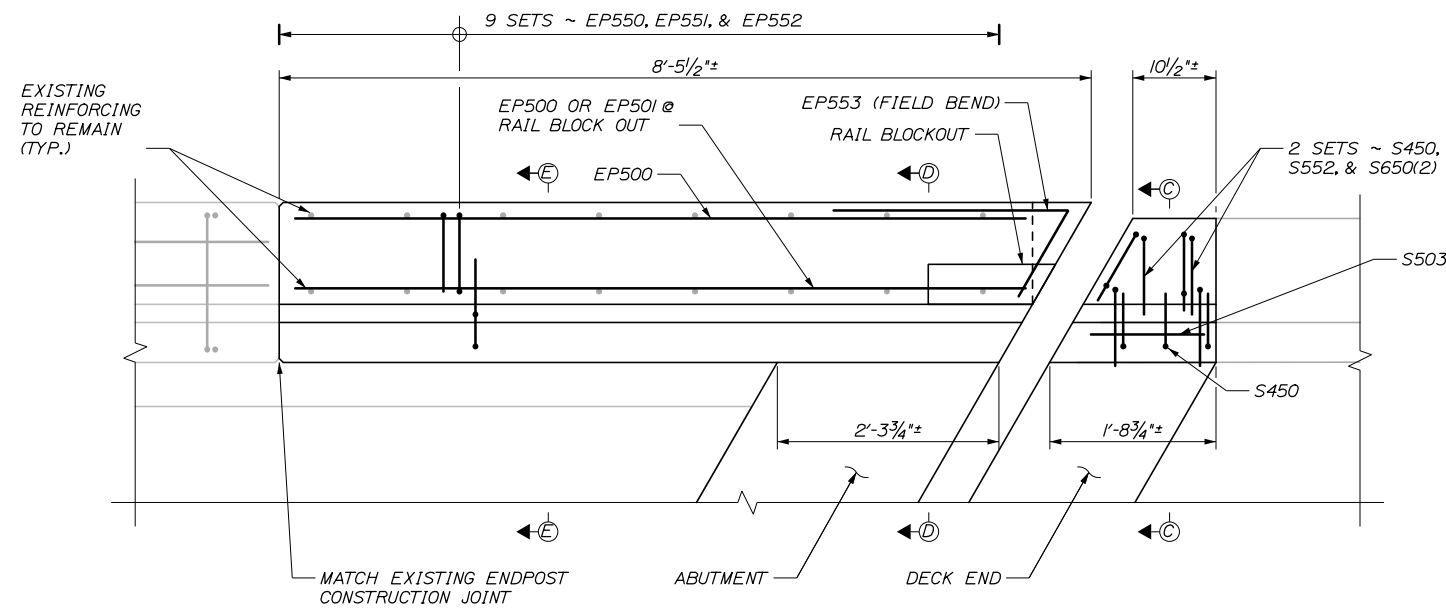
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET AND ENDPOST REINFORCING I

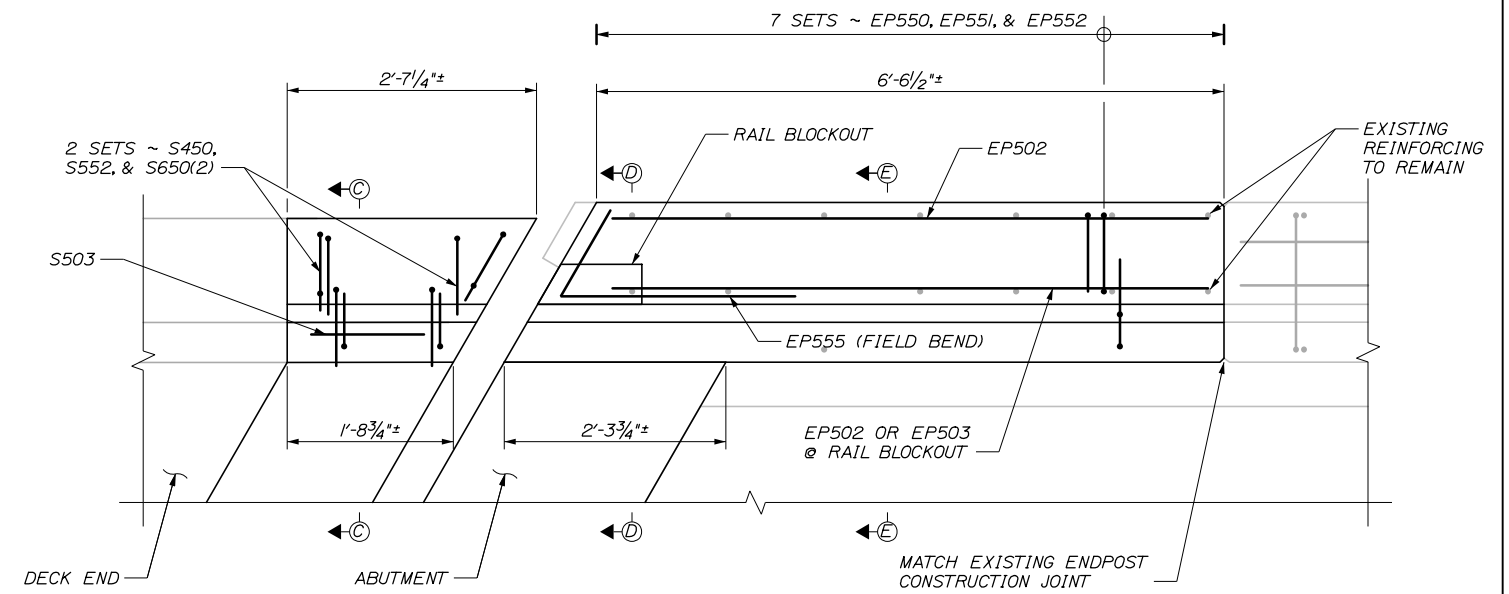
SHEET NUMBER: S-28
CONTRACT: 2025.06
68 OF 81

Date: 1/15/2025



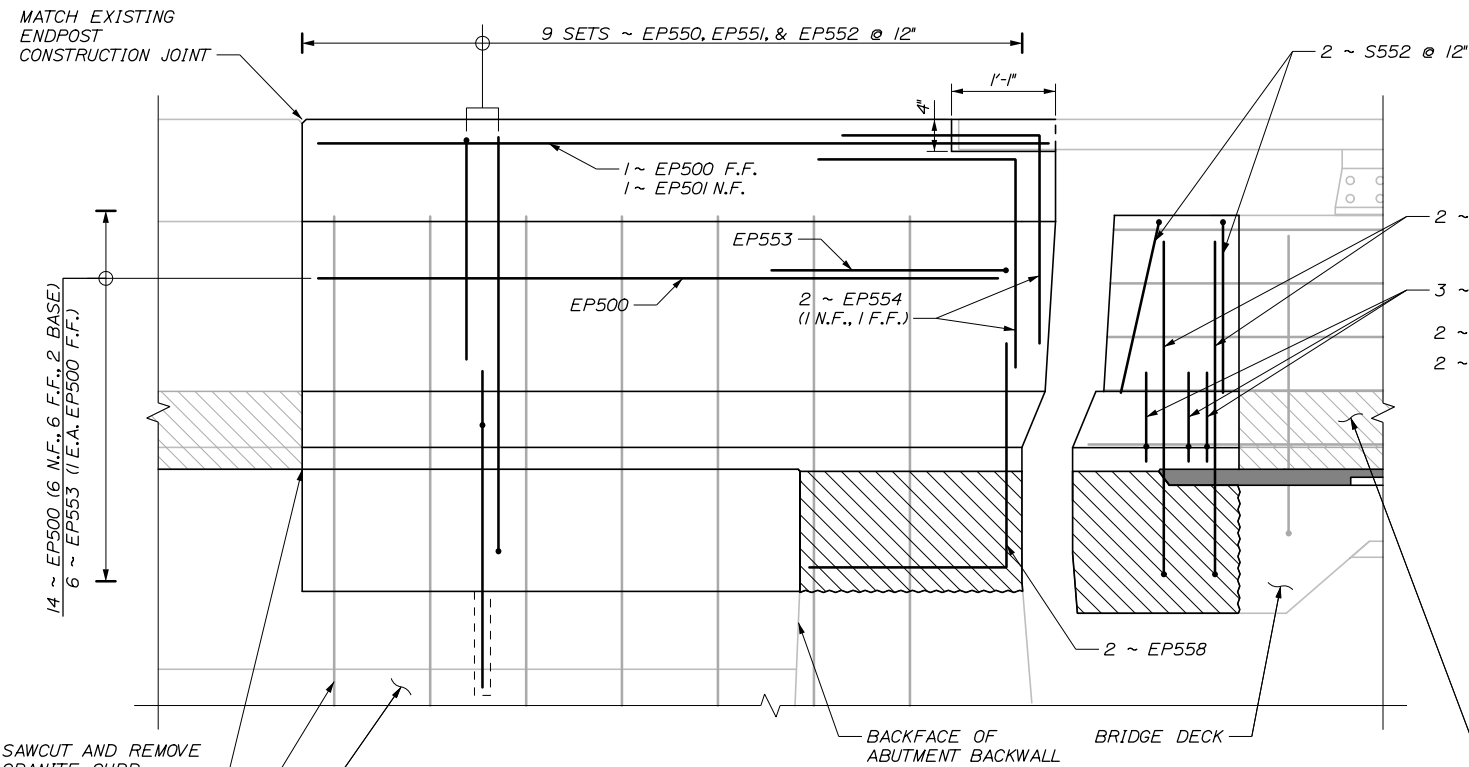
PARAPET AND ENDOPOST PLAN - REINFORCING

(ENDOPOST NB2E SHOWN, ENDOPOST SB1W SIMILAR, SEE KEY PLAN ON NEXT SHEET)
 1" = 1'-0"



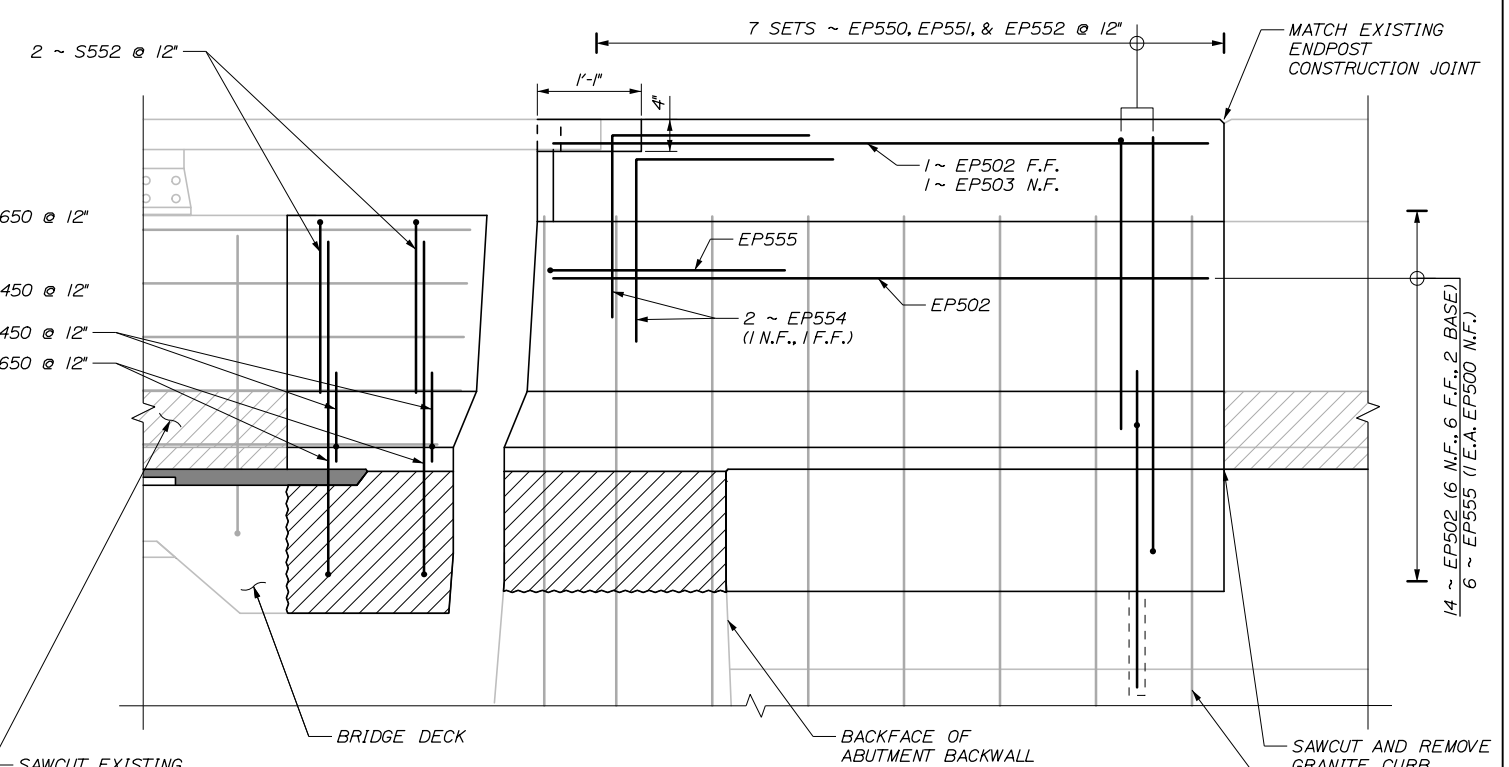
PARAPET AND ENDOPOST PLAN - REINFORCING

(ENDOPOST NB1E SHOWN, ENDOPOST SB2W SIMILAR, SEE KEY PLAN ON NEXT SHEET)
 1" = 1'-0"



PARAPET AND ENDOPOST ELEVATION - REINFORCING

(ENDOPOST NB2E SHOWN, ENDOPOST SB1W SIMILAR, SEE KEY PLAN ON NEXT SHEET)
 (JOINT AND EXPANSION DAM PLATES NOT SHOWN FOR CLARITY)
 1" = 1'-0"



PARAPET AND ENDOPOST ELEVATION - REINFORCING

(ENDOPOST NB1E SHOWN, ENDOPOST SB2W SIMILAR, SEE KEY PLAN ON NEXT SHEET)
 (JOINT AND EXPANSION DAM PLATES NOT SHOWN FOR CLARITY)
 1" = 1'-0"

Filename: 069_Parapet and Endpost_Reinf II.dgn

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| Scale: AS NOTED | | | |
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| Designed by: | | | |
| HNTB | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| | By | Date | |
| Designed | KEB | 01\2025 | Checked BRG 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of TRC 01\2025 |

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THE GOLD STAR
MEMORIAL HIGHWAY

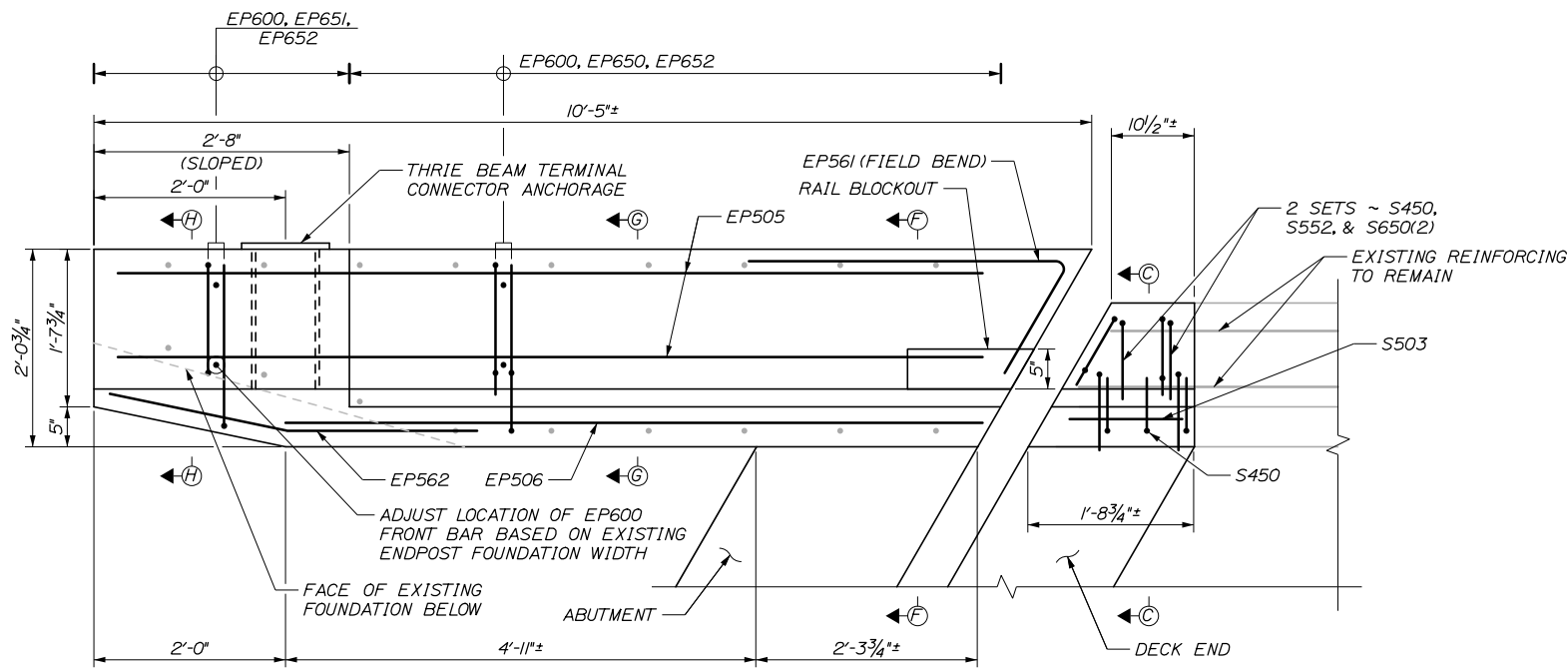
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET AND ENDOPOST REINFORCING II

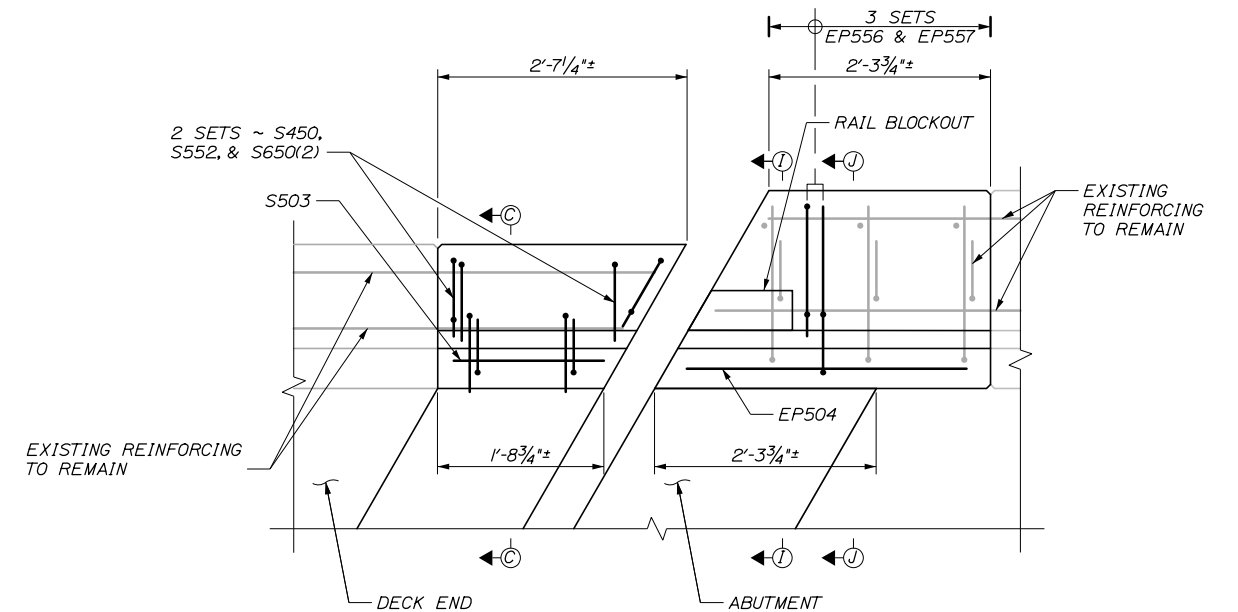
SHEET NUMBER: S-29
CONTRACT: 2025.06
69 OF 81

Date: 1/15/2025



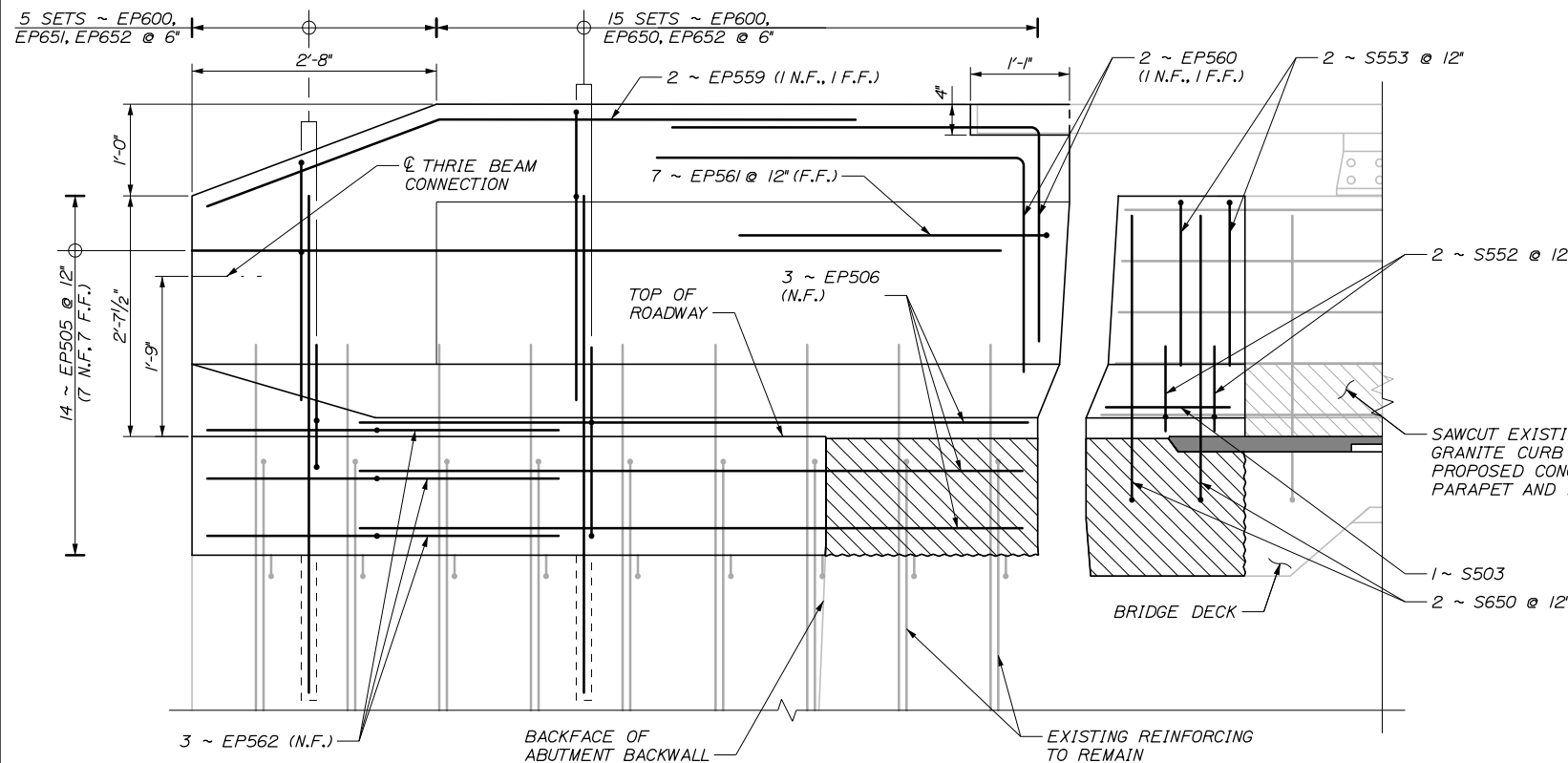
PARAPET AND ENDPOST PLAN - REINFORCING

(ENDPOST NBW SHOWN, ENDPOST SB2E SIMILAR, SEE KEY PLAN)
1" = 1'-0"



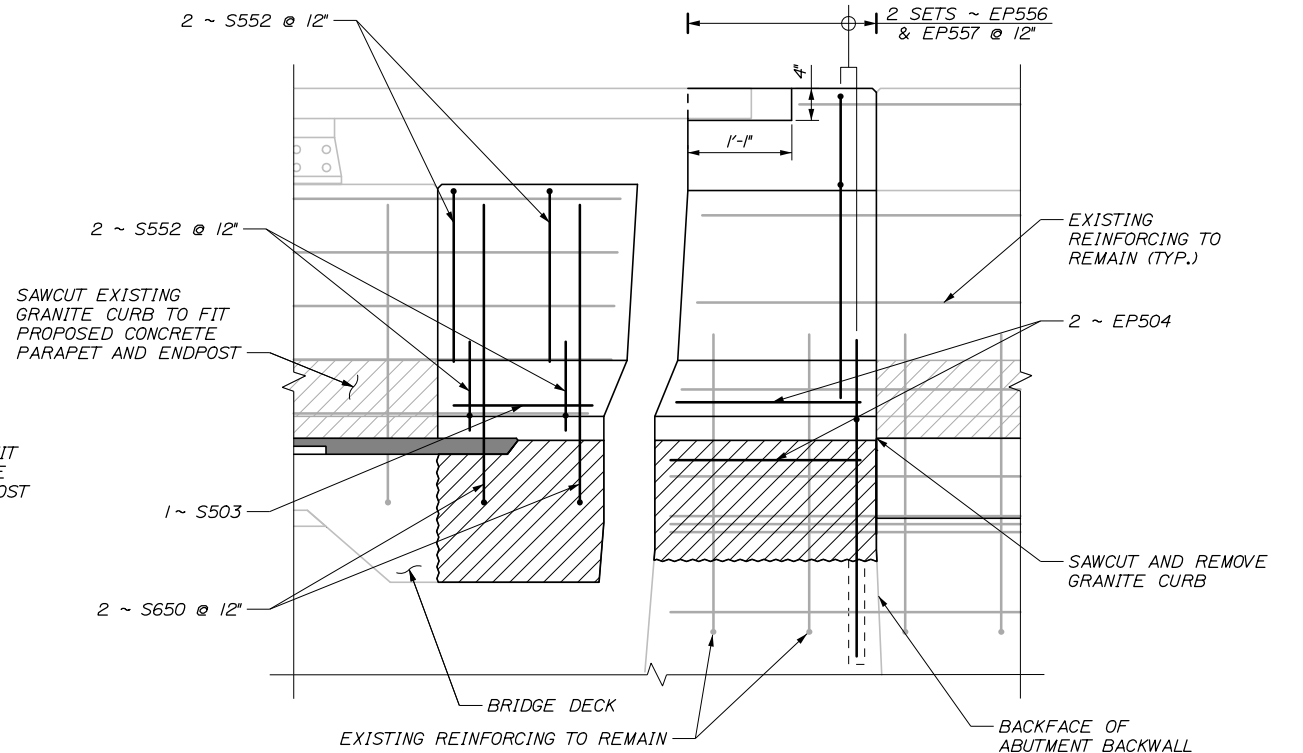
PARAPET AND ENDPOST PLAN - REINFORCING

(ENDPOST NB2W SHOWN, ENDPOST SB1E SIMILAR, SEE KEY PLAN)
1" = 1'-0"



PARAPET AND ENDPOST ELEVATION - REINFORCING

(ENDPOST NBW SHOWN, ENDPOST SB2E SIMILAR, SEE KEY PLAN)
(JOINT AND EXPANSION DAM PLATES NOT SHOWN FOR CLARITY)
1" = 1'-0"



PARAPET AND ENDPOST ELEVATION - REINFORCING

(ENDPOST NB2W SHOWN, ENDPOST SB1E SIMILAR, SEE KEY PLAN)
(JOINT AND EXPANSION DAM PLATES NOT SHOWN FOR CLARITY)
1" = 1'-0"

Filename: 070_Parapet and Endpost.Reinf.Ill.dgn

Scale: AS NOTED

| No. | Revision | By | Date |
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | Checked | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | KEB | 01\2025 | | BRG | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

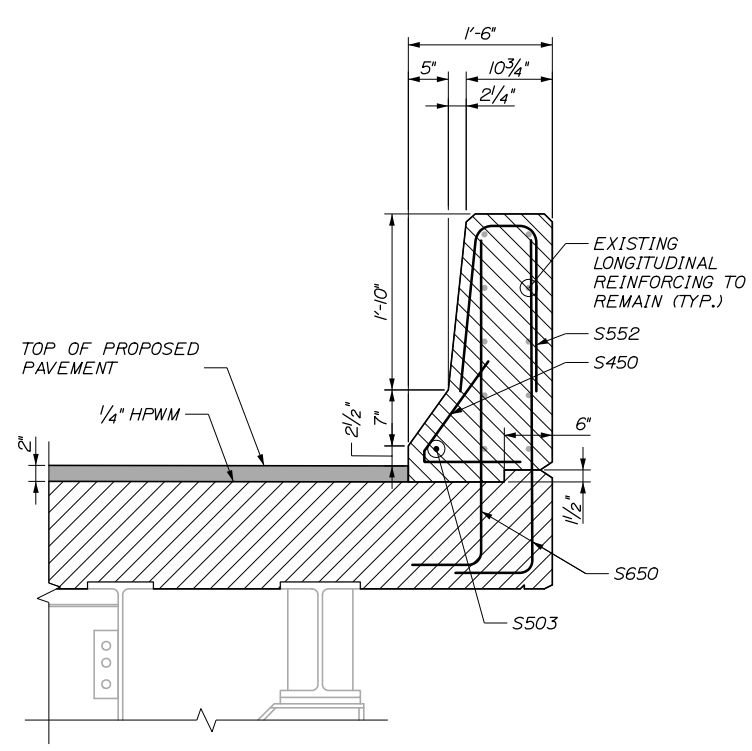
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
PARAPET AND ENDPOST REINFORCING III

CONTRACT: 2025.06

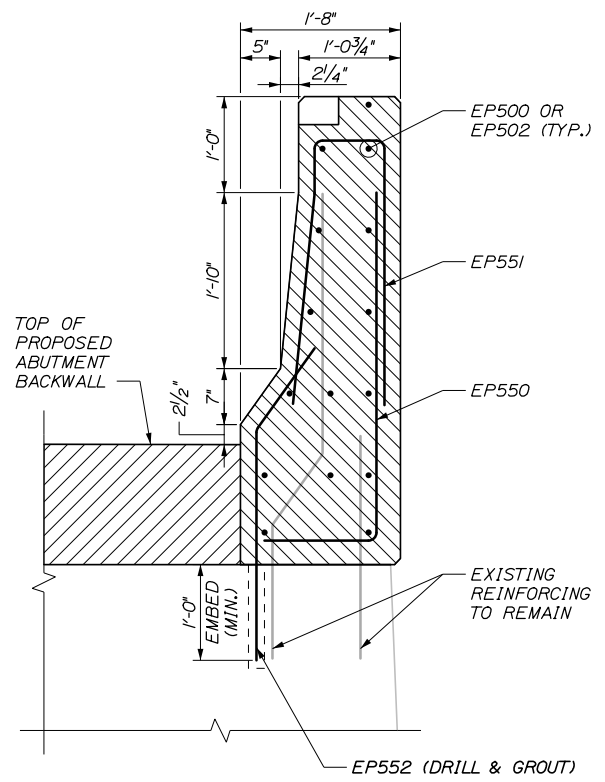
SHEET NUMBER: S-30
70 OF 81

Date: 1/15/2025

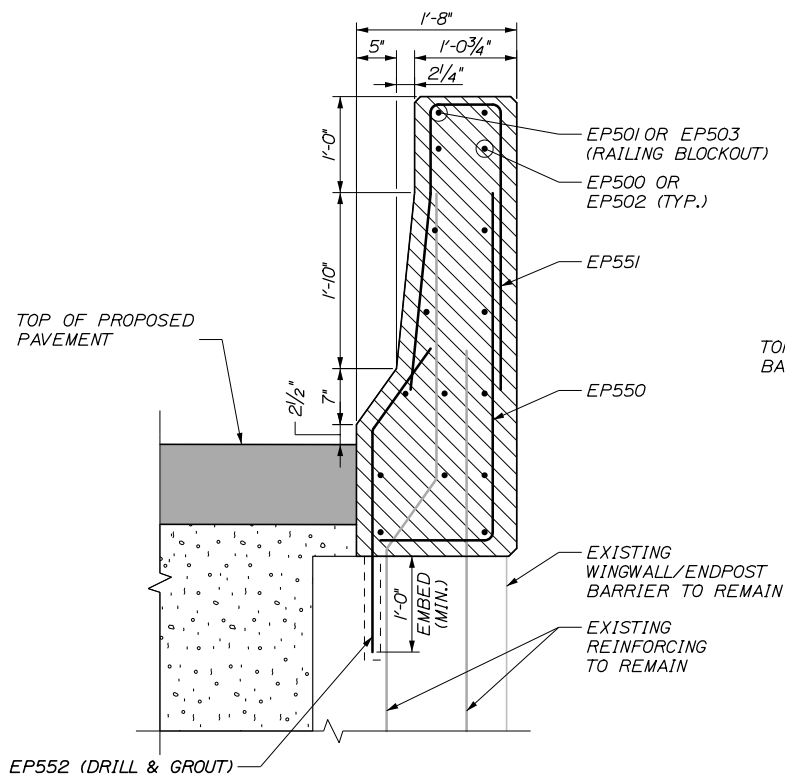
Filename: 071_Parapet and Endpost Reinf IV.dgn



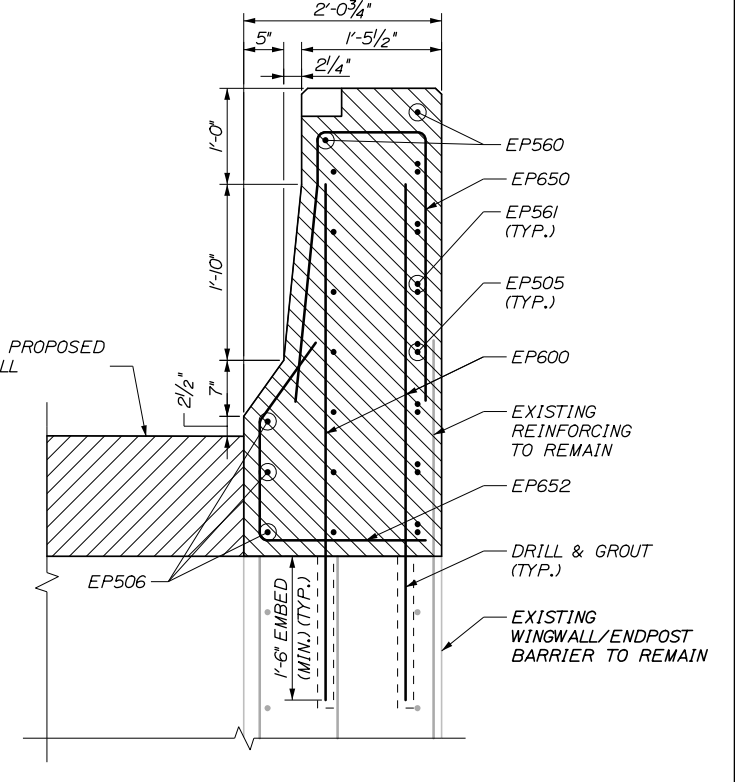
SECTION C-C - REINFORCING
1" = 1'-0"



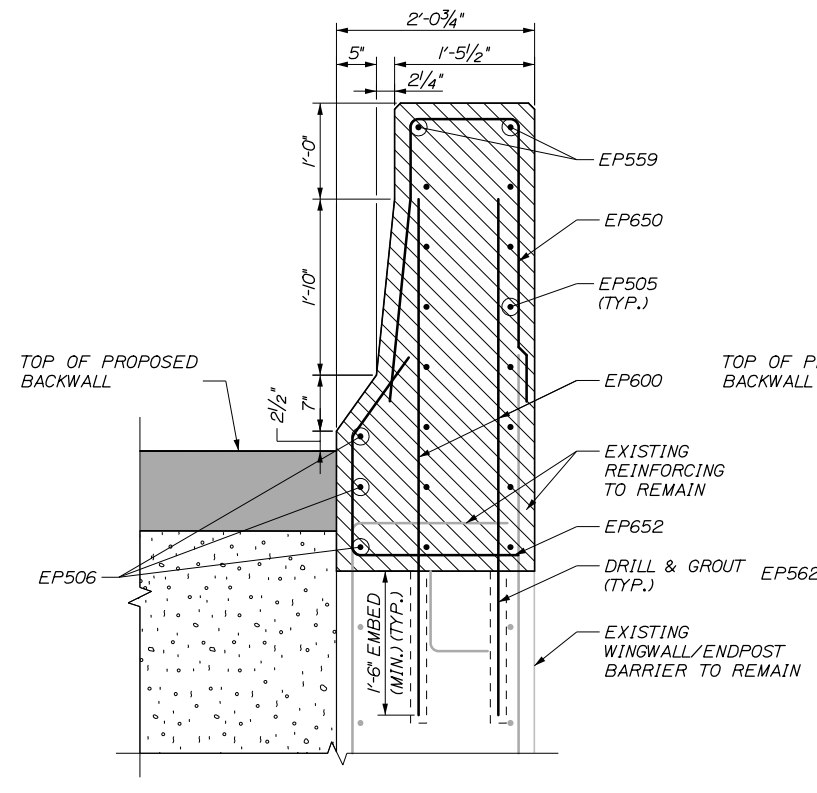
SECTION D-D - REINFORCING
1" = 1'-0"



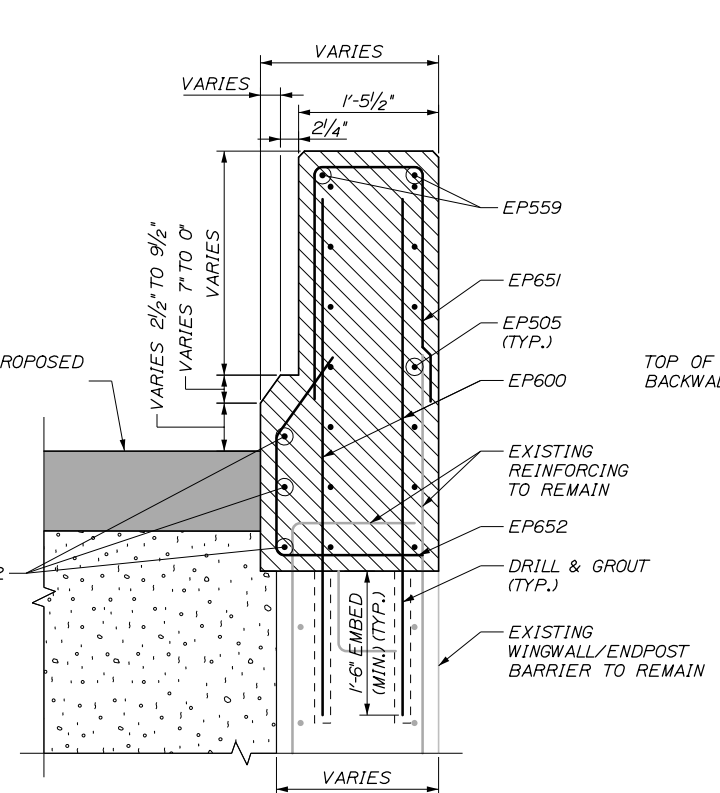
SECTION E-E - REINFORCING
1" = 1'-0"



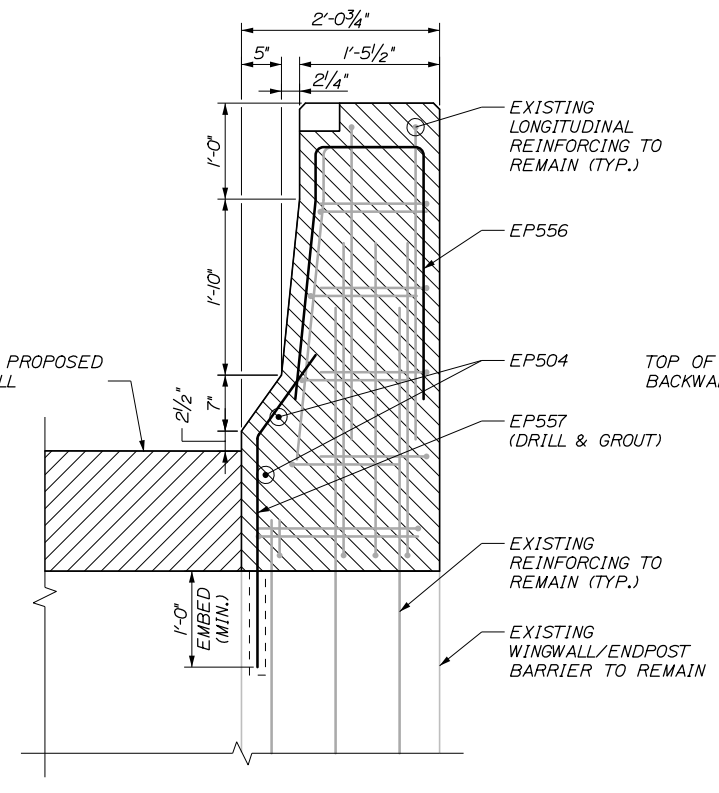
SECTION F-F - REINFORCING
1" = 1'-0"



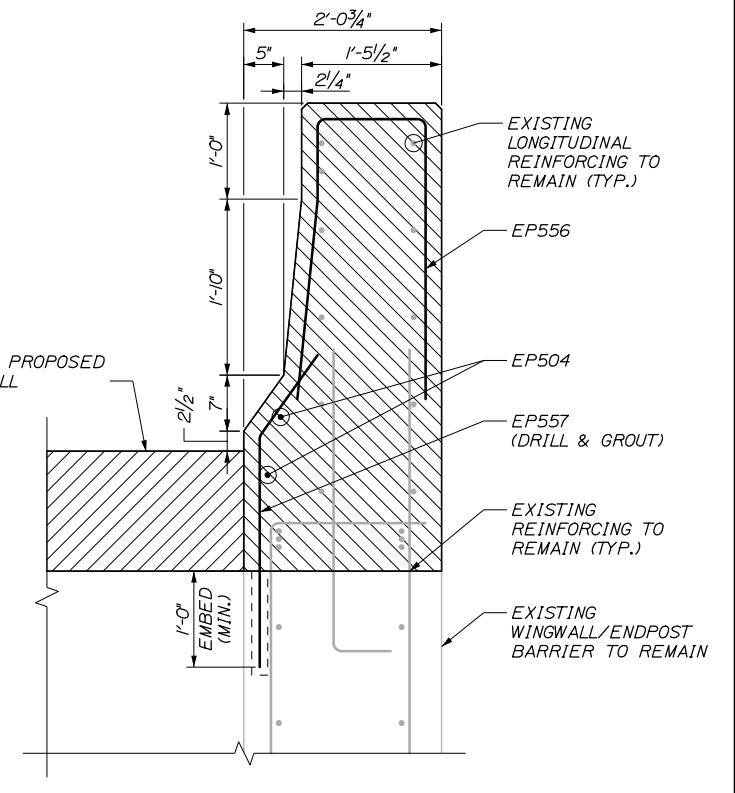
SECTION G-G - REINFORCING
1" = 1'-0"



SECTION H-H - REINFORCING
1" = 1'-0"



SECTION I-I - REINFORCING
1" = 1'-0"



SECTION J-J - REINFORCING
1" = 1'-0"

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| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| | By | Date | |
| | KEB | 01\2025 | |
| | Checked | | |
| | BRG | 01\2025 | |
| | Drawn | | |
| | ERB | 01\2025 | |
| | In Charge of | | |
| | TRC | 01\2025 | |

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

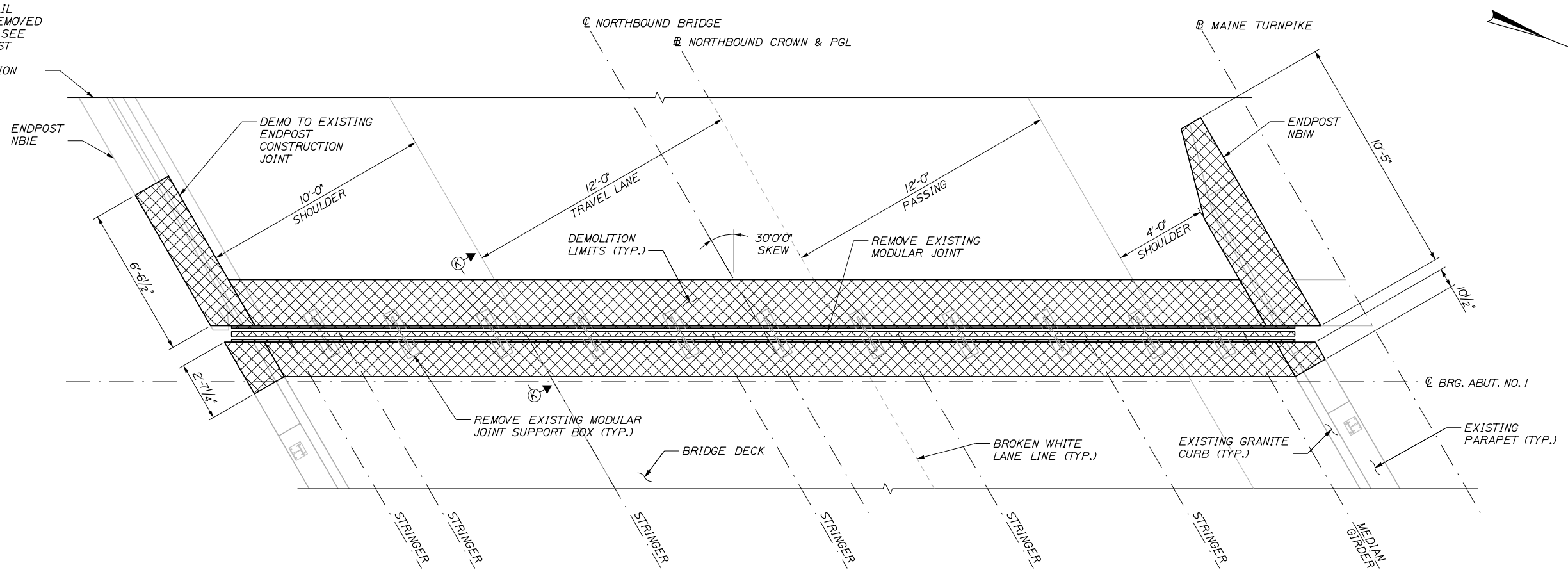
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

PARAPET AND ENDPOST REINFORCING IV

SHEET NUMBER: S-31
CONTRACT: 2025.06
710F 81

Date: 1/15/2025

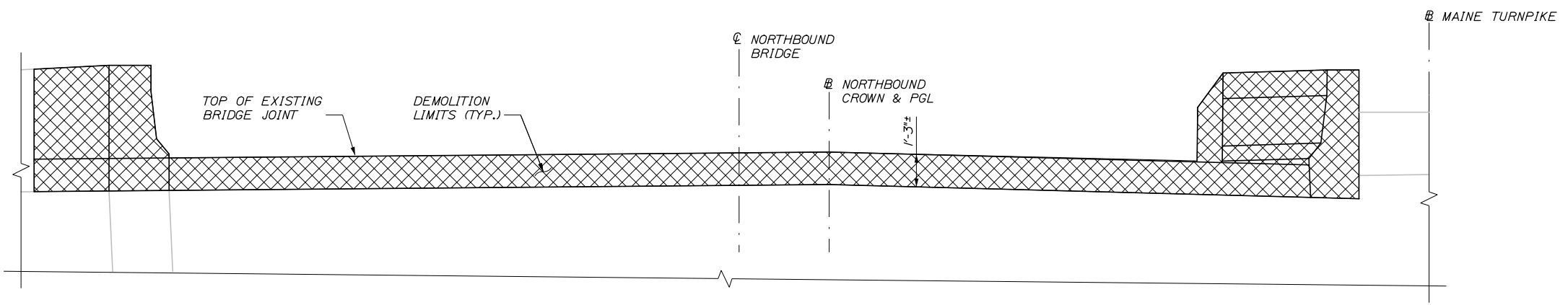
ENDPOST AT GUARDRAIL TRANSITION TO BE REMOVED AND RECONSTRUCTED, SEE PARAPET AND ENDPOST REINFORCING I FOR ADDITIONAL INFORMATION



JOINT DEMOLITION PLAN
(ABUT. NO. 1 NB JOINT SHOWN, ABUT. NO. 2 SB SIMILAR)
3/8" = 1'-0"

DEMOLITION NOTES:

- EXISTING CONCRETE TO BE REMOVED SHALL BE SAWCUT TO A MINIMUM DEPTH OF 1" AT THE REMOVAL LIMITS. PRIOR TO PLACING NEW CONCRETE, ALL INTERFACE SURFACES BETWEEN EXISTING AND PROPOSED CONCRETE SHALL BE CLEANED AND ROUGHENED TO THE SATISFACTION OF THE RESIDENT.
- THE CONTRACTOR SHALL USE CARE NOT TO DAMAGE THE EXISTING REINFORCING STEEL WHICH IS TO REMAIN. ANY DAMAGED REINFORCING STEEL SHALL BE REPLACED AS DIRECTED BY THE RESIDENT AT NO EXPENSE TO THE AUTHORITY.
- ALL DIMENSIONS BASED ON OR RELATED TO THE EXISTING BRIDGE SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- BACKWALL, DECK END, PARAPET, AND ENDPOST DEMOLITION SHALL BE PAID FOR UNDER ITEM 202.12 REMOVING EXISTING STRUCTURAL CONCRETE.
- THE TURNPIKE IS RESPONSIBLE FOR REMOVING RWIS EQUIPMENT FROM THE UTILITY POLE PRIOR TO REMOVAL AND RELOCATION. THE CONTRACTOR SHALL NOTIFY THE TURNPIKE 30 DAYS PRIOR TO RELOCATING THE UTILITY POLE SO THAT THE TURNPIKE CAN REMOVE THE EQUIPMENT. RWIS EQUIPMENT MUST REMAIN IN SERVICE FROM NOVEMBER 1 THROUGH APRIL 15. ANY DAMAGE TO THE EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE AUTHORITY. THE WORK TO REMOVE AND RELOCATE THE UTILITY POLE SHALL BE PAID FOR USING HOURLY PAY ITEMS.



JOINT DEMOLITION ELEVATION
(ABUT. NO. 1 NB JOINT SHOWN, ABUT. NO. 2 SB SIMILAR)
3/8" = 1'-0"

Filename: 072_Modular Joint Demolition Abut. 1.dgn

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| Designed by: | | | | | |
| HNTB | | | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| Designed | KEB | 01\2025 | Checked | BRG | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

JOINT DEMOLITION ABUTMENT NO. 1

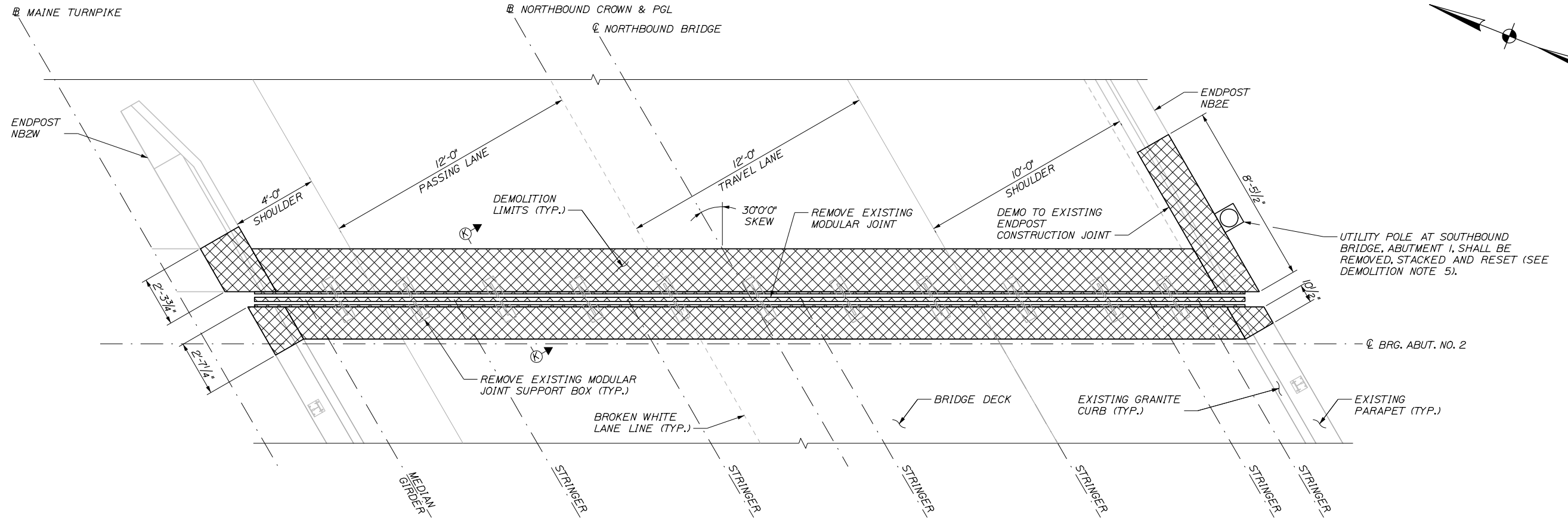
SHEET NUMBER: S-32

CONTRACT: 2025.06

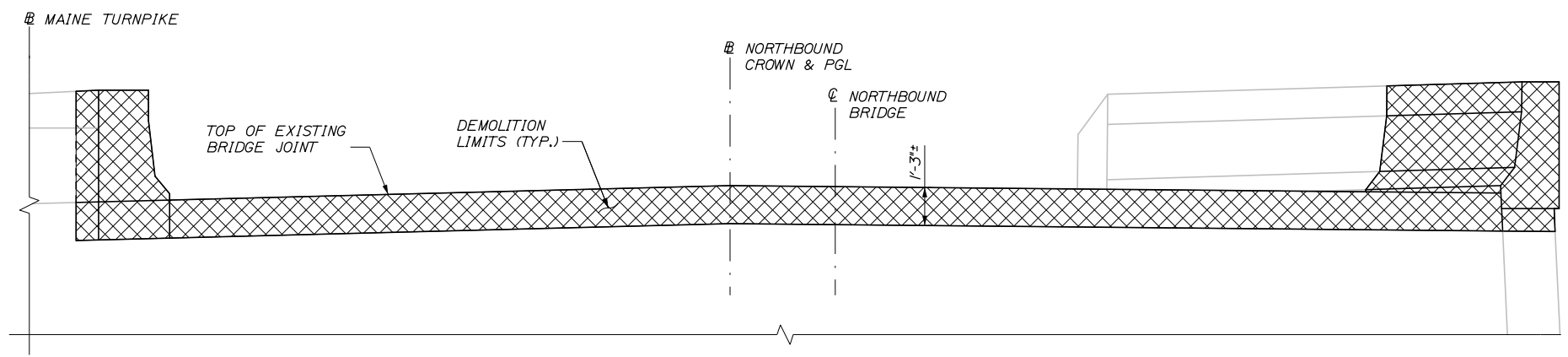
72 OF 81

Date: 1/15/2025

Filename: 073_Modular Joint Demolition Abut. 2.dgn



JOINT DEMOLITION PLAN
 (ABUT. NO. 2 NB JOINT SHOWN, ABUT. NO. 1 SB SIMILAR)
 3/8" = 1'-0"



JOINT DEMOLITION ELEVATION
 (ABUT. NO. 2 NB JOINT SHOWN, ABUT. NO. 1 SB SIMILAR)
 3/8" = 1'-0"

Scale: AS NOTED

| No. | Revision | By | Date |
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Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | By | Date | | By | Date |
|----------|-----|---------|--------------|-----|---------|
| Designed | KEB | 01\2025 | Checked | BRG | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

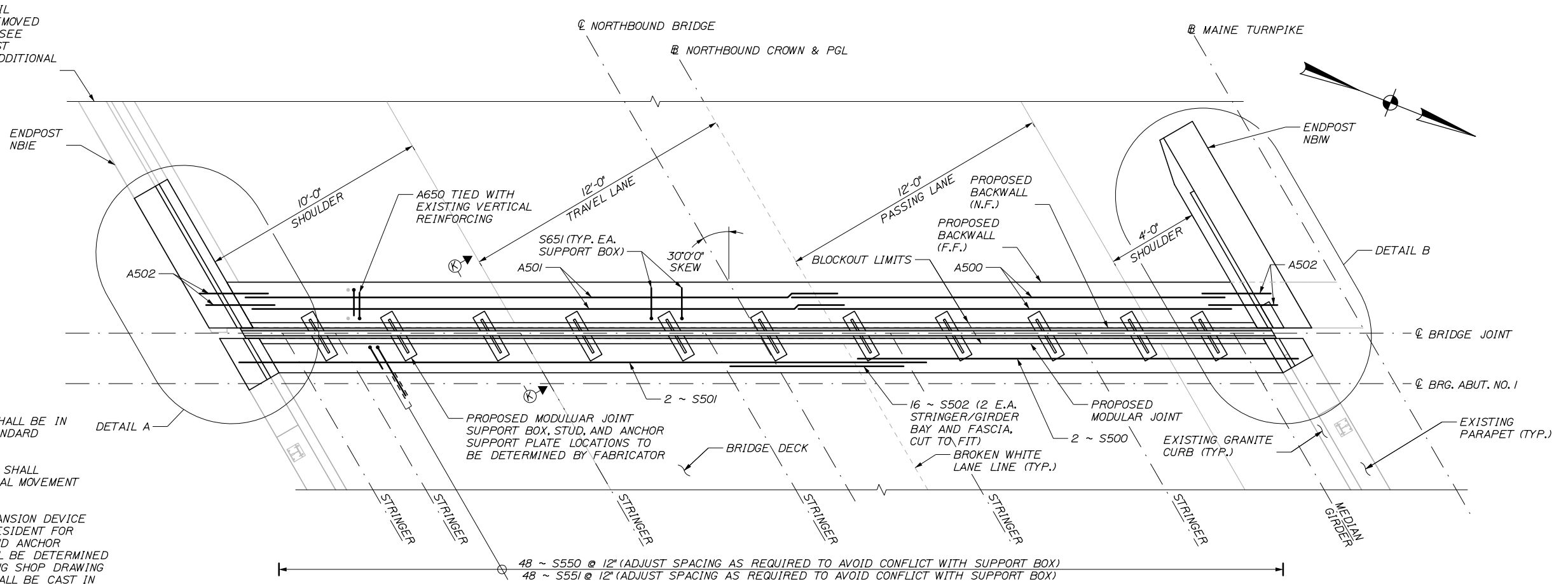
ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

JOINT DEMOLITION ABUTMENT NO. 2

SHEET NUMBER: S-33
 CONTRACT: 2025.06
 73 OF 81

Date: 1/15/2025

ENDPOST AT GUARDRAIL
TRANSITION TO BE REMOVED
AND RECONSTRUCTED. SEE
PARAPET AND ENDPOST
REINFORCING 1 FOR ADDITIONAL
INFORMATION

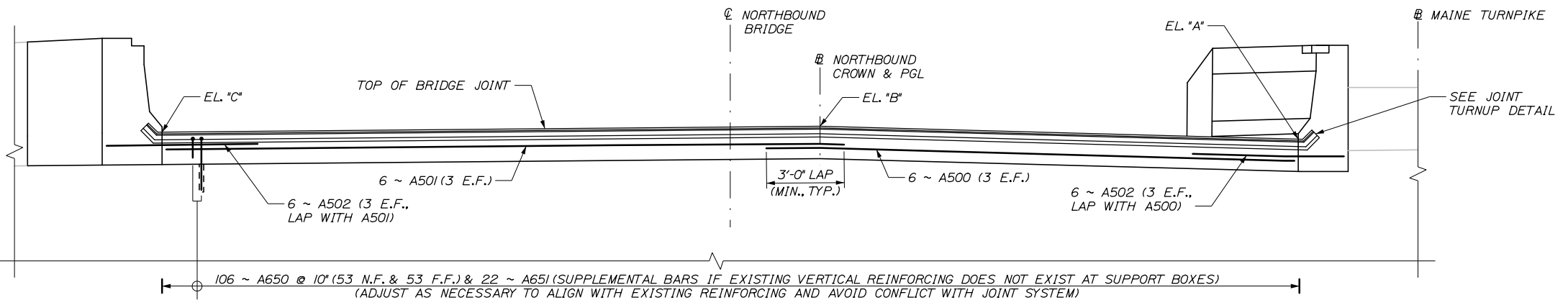


NOTES:

1. MODULAR EXPANSION DEVICE SHALL BE IN ACCORDANCE WITH MAINEDOT STANDARD SPECIFICATION 522.
2. EXPANSION DEVICE PROVIDED SHALL ACCOMMODATE 6" OF TOTAL THERMAL MOVEMENT (MEASURED ALONG BASELINE).
3. SHOP DRAWINGS OF THE EXPANSION DEVICE SHALL BE SUBMITTED TO THE RESIDENT FOR APPROVAL. SUPPORT BOX, STUD, AND ANCHOR SUPPORT PLATE LOCATIONS SHALL BE DETERMINED BY THE JOINT FABRICATOR DURING SHOP DRAWING DEVELOPMENT. JOINT ANCHORS SHALL BE CAST IN NEW CONCRETE.
4. NO REINFORCING STEEL, UNLESS OTHERWISE NOTED, SHALL BE CUT TO CLEAR THE EXPANSION DEVICE WITHOUT PRIOR APPROVAL OF THE RESIDENT.
5. ALL STRUCTURAL STEEL COMPONENTS SHALL CONFORM TO ASTM A709 GRADE 50 AND BE HOT-DIP-GALVANIZED.
6. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER OF 2 INCHES UNLESS OTHERWISE NOTED.
7. EXISTING STRUCTURAL STEEL STRINGERS AND GIRDERS MAY BE USED TO SUPPORT JOINT SYSTEM DURING INSTALLATION. IF EXISTING STRUCTURAL STEEL ELEMENTS ARE USED NOTE THAT THE TOP FLANGES DO NOT FOLLOW THE CROSS-SLOPE OF THE BRIDGE TYPICAL SECTION AND ADJUSTMENT PLATES WILL BE NEEDED TO ACCOMMODATE VARIATIONS IN SUPPORT HEIGHTS. ALTERNATIVELY SUPPORTING THE JOINT SYSTEM FROM ABOVE IS ALSO ACCEPTABLE. METHOD OF INSTALLATION TO BE DETERMINED BY FABRICATOR AND CONTRACTOR.
8. ABUTMENT BACKWALL CONCRETE SHALL BE PAID FOR UNDER ITEM 502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS.
9. DECK END CONCRETE SHALL BE PAID FOR UNDER ITEM 502.261 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLAB ON STEEL BRIDGES.
10. PARAPET AND END POST CONCRETE SHALL BE PAID FOR UNDER ITEM 502.264 STRUCTURAL CONCRETE, PARAPET.
11. TOP OF BACKWALL SHALL HAVE A SMOOTH TROWEL FINISH TO THE SATISFACTION OF THE RESIDENT.

JOINT REPLACEMENT PLAN

(ABUT. NO. 1 NB JOINT SHOWN, ABUT. NO. 2 SB SIMILAR)
3/8" = 1'-0"



JOINT REPLACEMENT ELEVATION

(ABUT. NO. 1 NB JOINT SHOWN (BACKWALL SIDE), ABUT. NO. 2 SB SIMILAR)
(PARAPET REINFORCING NOT SHOWN FOR CLARITY)
3/8" = 1'-0"

| | PROPOSED ELEVATION TABLE | | | | | | | | |
|----------------|--------------------------|--------|--------|-----------------|--------|--------|----------|--------|--------|
| | BACKWALL (N.F.) | | | BACKWALL (F.F.) | | | DECK END | | |
| | *A* | *B* | *C* | *A* | *B* | *C* | *A* | *B* | *C* |
| NB ABUT. NO. 1 | 164.99 | 165.49 | 165.26 | 165.03 | 165.53 | 165.30 | 164.98 | 165.48 | 165.25 |
| SB ABUT. NO. 2 | 149.68 | 149.87 | 149.23 | 149.64 | 149.83 | 149.19 | 149.69 | 149.88 | 149.24 |

Filename: 074-Joint Replacement Abut. 1.dgn

| | | | |
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| Scale: AS NOTED | | | |
| No. | Revision | By | Date |
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| | | | |

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | | | |
|----------|-------------|--------------|-------------|
| By | Date | By | Date |
| Designed | KEB 01\2025 | Checked | BRG 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

HNTB CORPORATION
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South Portland, ME 04106
TEL (207) 774-5155
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

JOINT REPLACEMENT ABUTMENT NO. 1

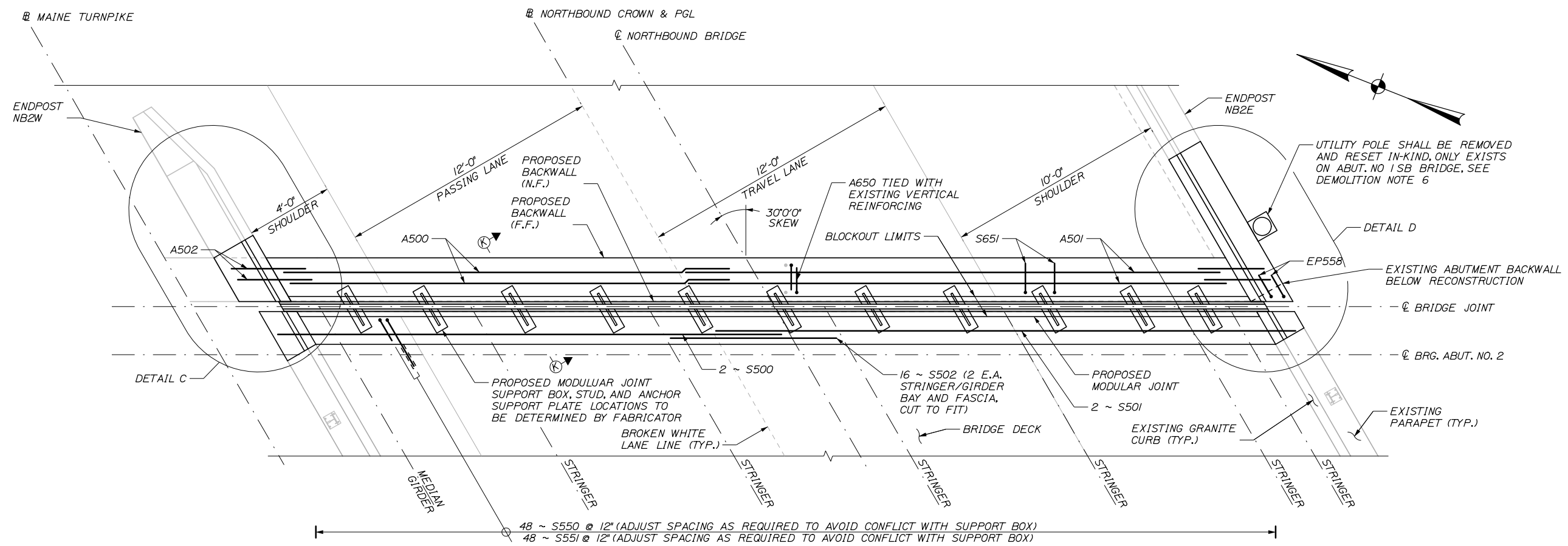
SHEET NUMBER: S-34

CONTRACT: 2025.06

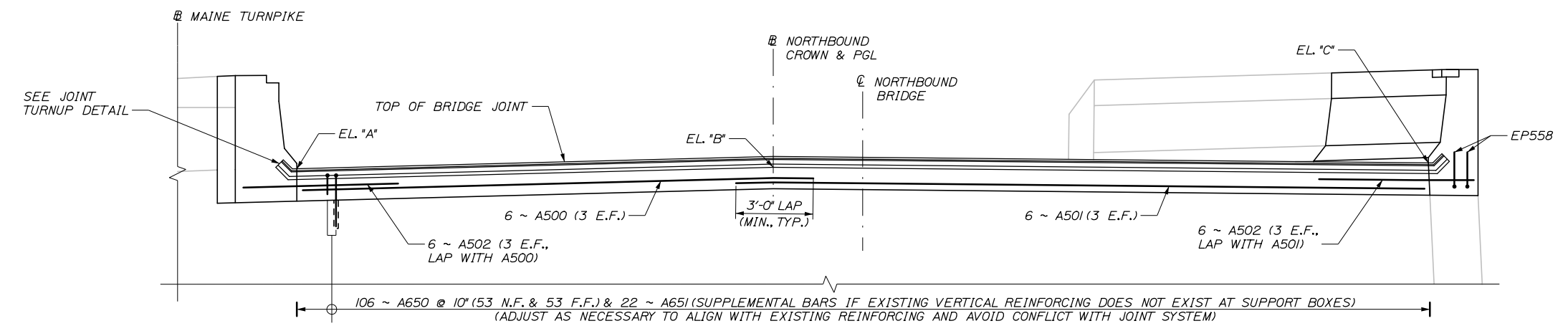
74 OF 81

Date: 1/15/2025

Filename: 075_Joint Replacement Abut. 2.dgn



JOINT REPLACEMENT PLAN
 (ABUT. NO. 2 NB JOINT SHOWN, ABUT. NO. 1 SB SIMILAR)
 3/8" = 1'-0"



JOINT REPLACEMENT ELEVATION
 (ABUT. NO. 2 NB JOINT SHOWN (BACKWALL SIDE), ABUT. NO. 1 SB SIMILAR)
 (PARAPET REINFORCING NOT SHOWN FOR CLARITY)
 3/8" = 1'-0"

| | BACKWALL (N.F.) | | | BACKWALL (F.F.) | | | DECK END | | |
|----------------|-----------------|--------|--------|-----------------|--------|--------|----------|--------|--------|
| | "A" | "B" | "C" | "A" | "B" | "C" | "A" | "B" | "C" |
| SB ABUT. NO. 1 | 164.91 | 165.07 | 164.39 | 164.95 | 165.11 | 164.43 | 164.90 | 165.06 | 164.38 |
| NB ABUT. NO. 2 | 149.74 | 150.22 | 149.97 | 149.70 | 150.18 | 149.93 | 149.75 | 150.23 | 149.98 |

| Scale: AS NOTED | | | |
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| No. | Revision | By | Date |
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|----------|-------------|--------------|-------------|
| By | Date | By | Date |
| Designed | KEB 01\2025 | Checked | BRG 01\2025 |
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR

JOINT REPLACEMENT ABUTMENT NO. 2

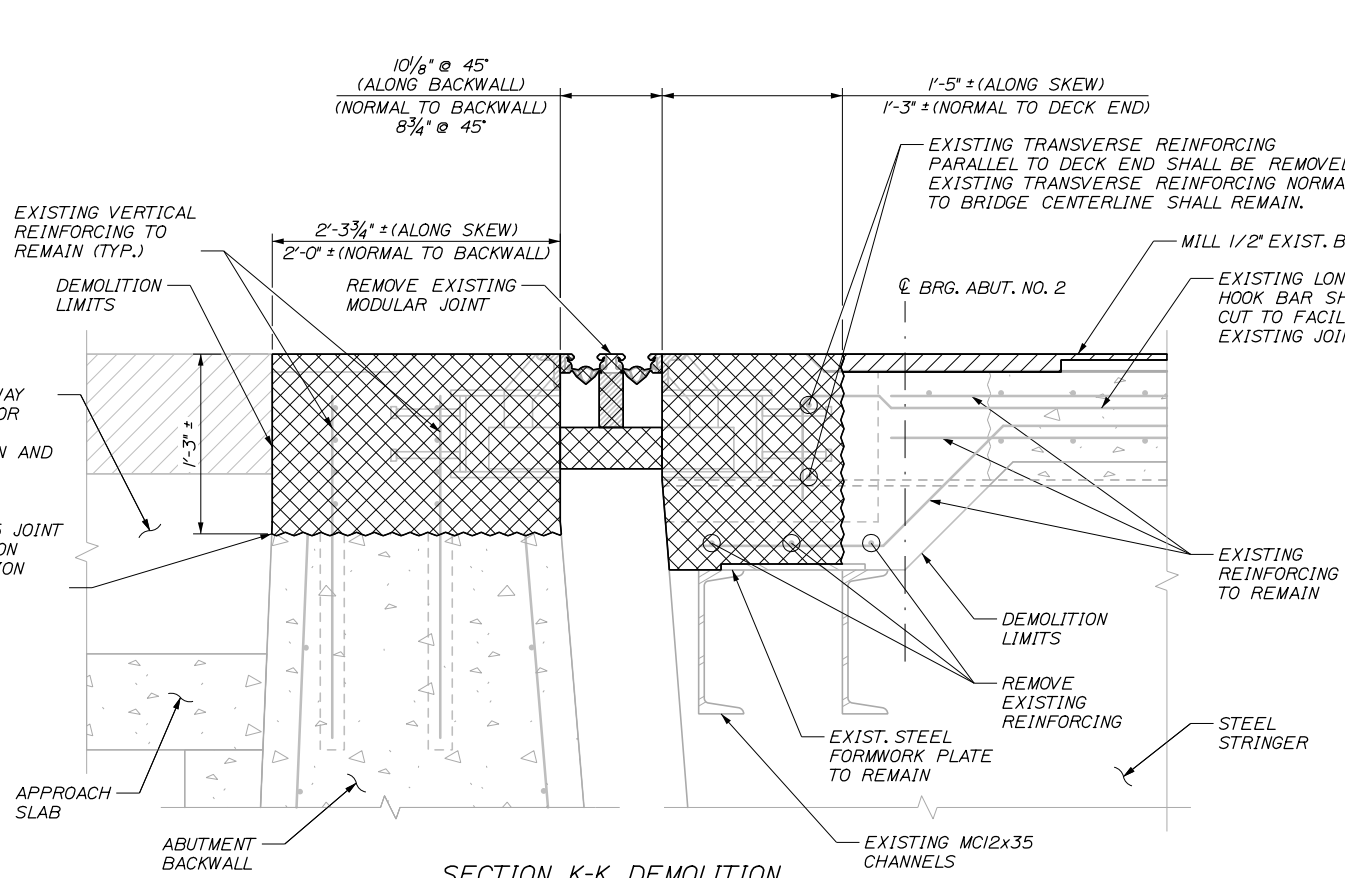
SHEET NUMBER: S-35

CONTRACT: 2025.06

75 OF 81

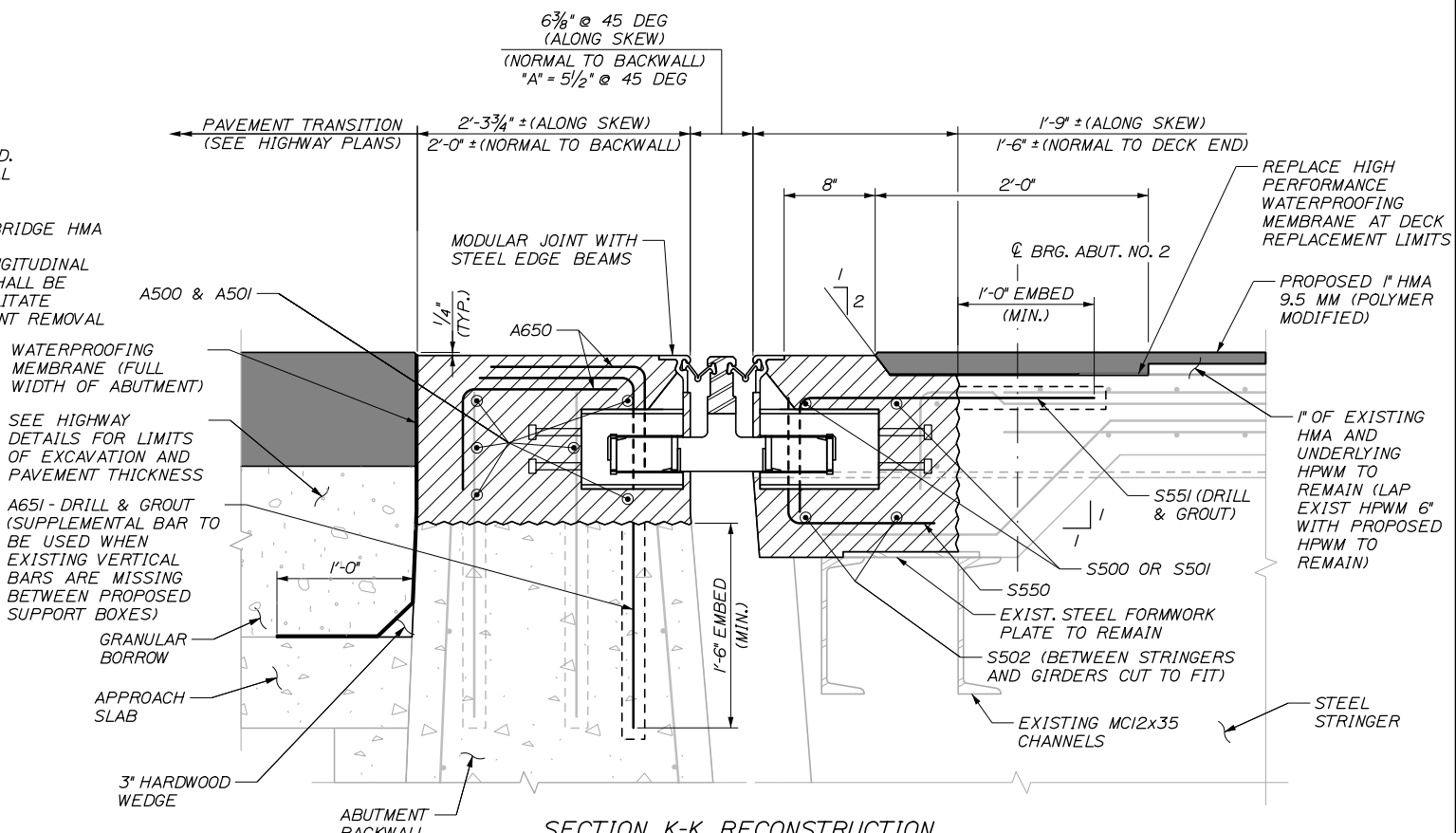
Date: 1/15/2025

File name: 076_Joint_Replace_Detail1.dgn



SECTION K-K DEMOLITION
1/2" = 1'-0"

JOINT CONSTRUCTION PHOTO (1995)



SECTION K-K RECONSTRUCTION
1/2" = 1'-0"

JOINT CONSTRUCTION PHOTO (1995)



Scale: AS NOTED

| No. | Revision | By | Date |
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| By | Date | By | Date |
|----------|-------------|--------------|-------------|
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

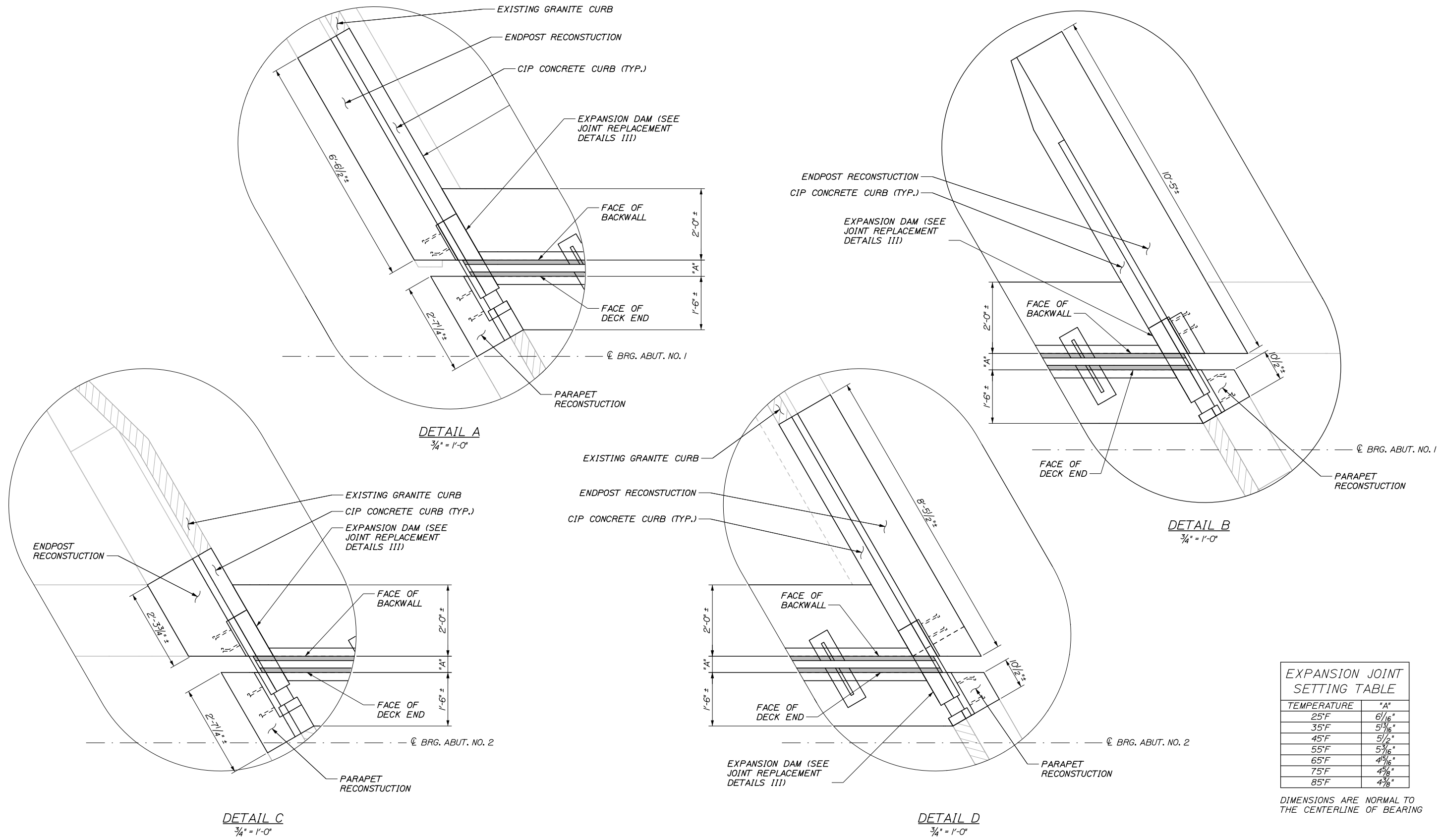
ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

JOINT REPLACEMENT DETAILS I

SHEET NUMBER: S-36
CONTRACT: 2025.06
76 OF 81

Date: 1/15/2025

Filename: 077_Joint Replacement Detail II.dgn



| TEMPERATURE | "A" |
|-------------|----------------------------------|
| 25°F | 6/16" |
| 35°F | 5 ³ / ₁₆ " |
| 45°F | 5/2" |
| 55°F | 5 ³ / ₁₆ " |
| 65°F | 4 ⁵ / ₁₆ " |
| 75°F | 4 ¹ / ₂ " |
| 85°F | 4 ³ / ₈ " |

DIMENSIONS ARE NORMAL TO THE CENTERLINE OF BEARING

| Scale: AS NOTED | | | |
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| No. | Revision | By | Date |
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| Designed by: | | | | | |
| HNTB | | | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | | By | Date |
| Designed | KEB | 01\2025 | Checked | BRG | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

**ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR**

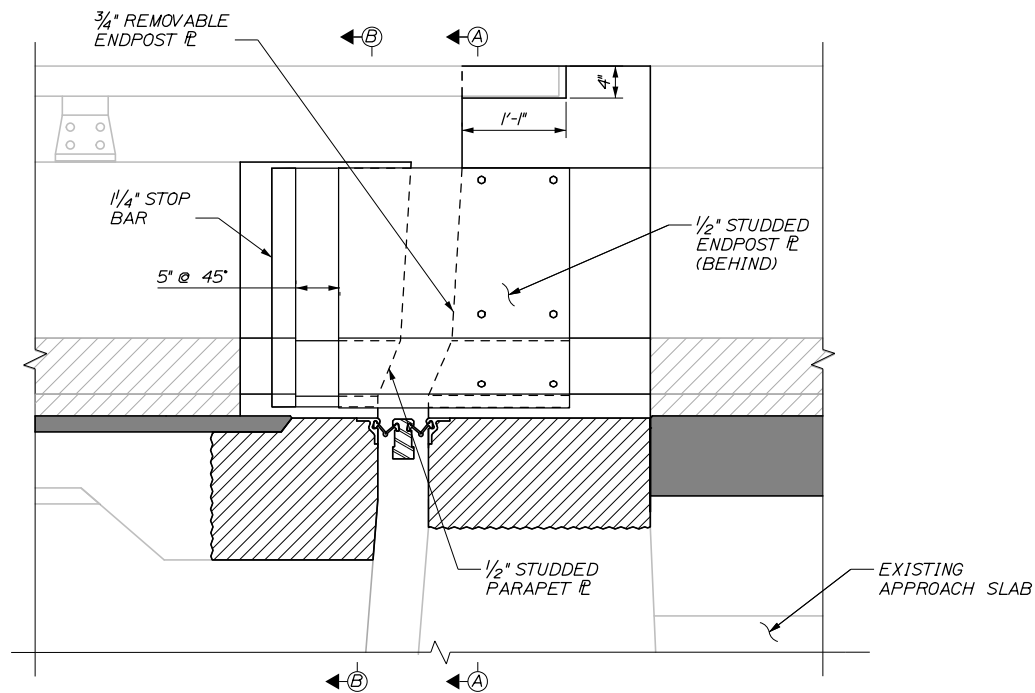
JOINT REPLACEMENT DETAILS II

SHEET NUMBER: S-37
77 OF 81

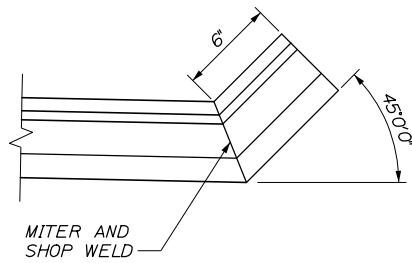
CONTRACT: 2025.06

EXPANSION DAM NOTES:

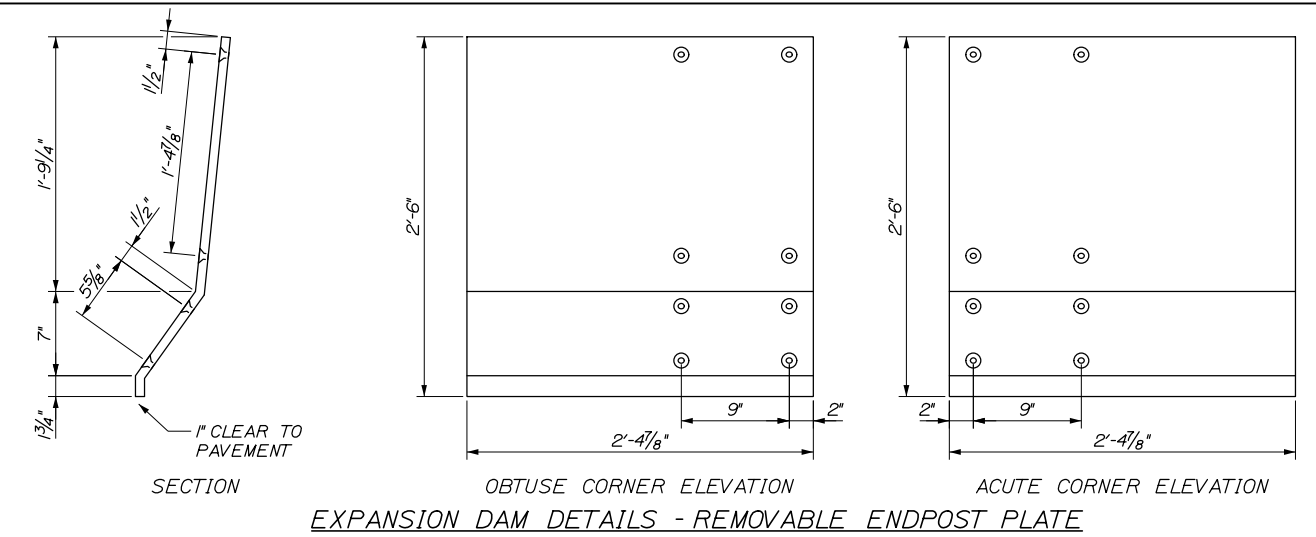
1. LOCATION OF ANCHOR STUDS MAY BE ADJUSTED TO AVOID CONFLICTS. THE REVISED LOCATION MUST MAINTAIN A MINIMUM COVER OF 2" AND NOT BE RELOCATED MORE THAN 1" FROM ITS SPECIFIED LOCATION.
2. ALL CURB PLATE COMPONENTS AND HARDWARE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SPECIFICATIONS.



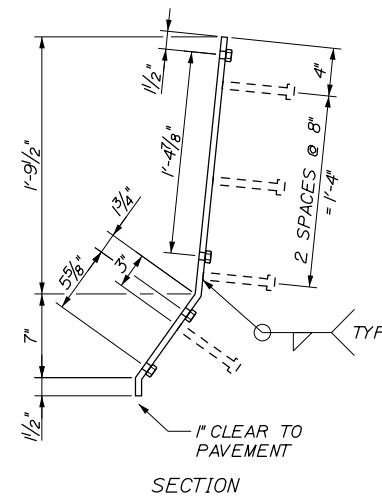
EXPANSION DAM AT CURBLINE
TRAILING ACUTE CORNER SHOWN, OTHERS SIMILAR
1" = 1'-0"



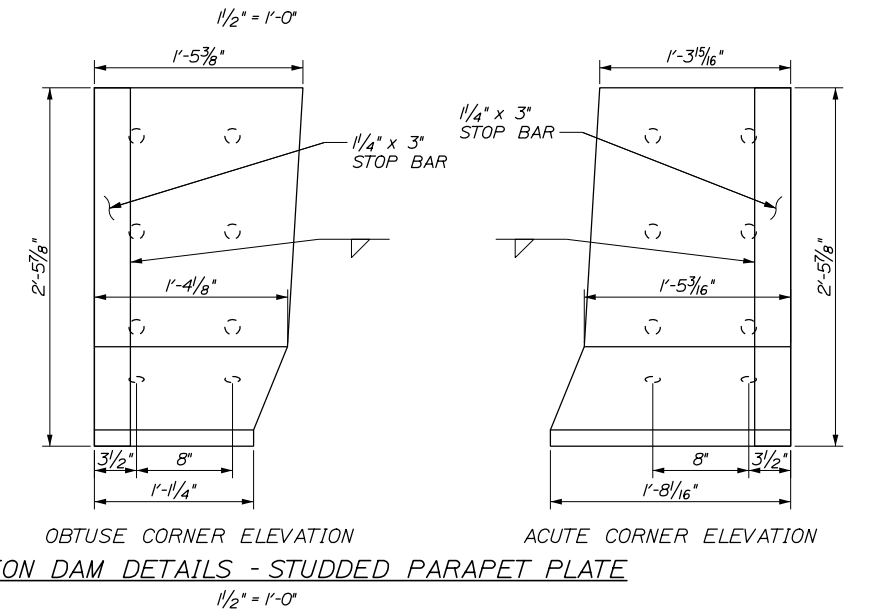
JOINT TURNUP DETAIL
2" = 1'-0"



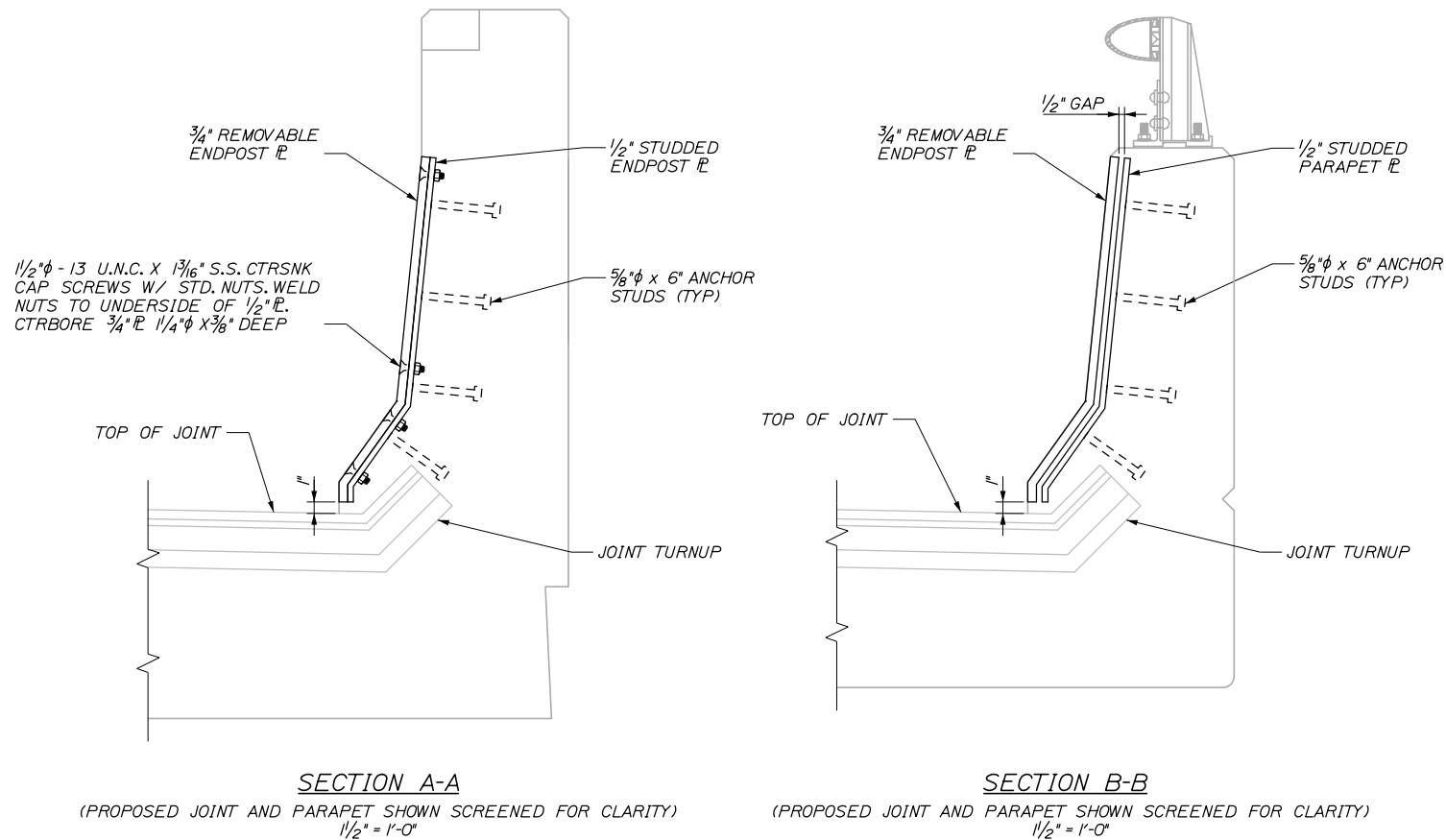
EXPANSION DAM DETAILS - REMOVABLE ENDPOST PLATE



EXPANSION DAM DETAILS - STUDDED ENDPOST PLATE



EXPANSION DAM DETAILS - STUDDED PARAPET PLATE



SECTION A-A
(PROPOSED JOINT AND PARAPET SHOWN SCREENED FOR CLARITY)
1/2" = 1'-0"

SECTION B-B
(PROPOSED JOINT AND PARAPET SHOWN SCREENED FOR CLARITY)
1/2" = 1'-0"

Date: 1/15/2025

Filename: 078_Joint Replacement Detail III.dgn

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| Designed by: | | | |
| HNTB | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| | By | Date | |
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR

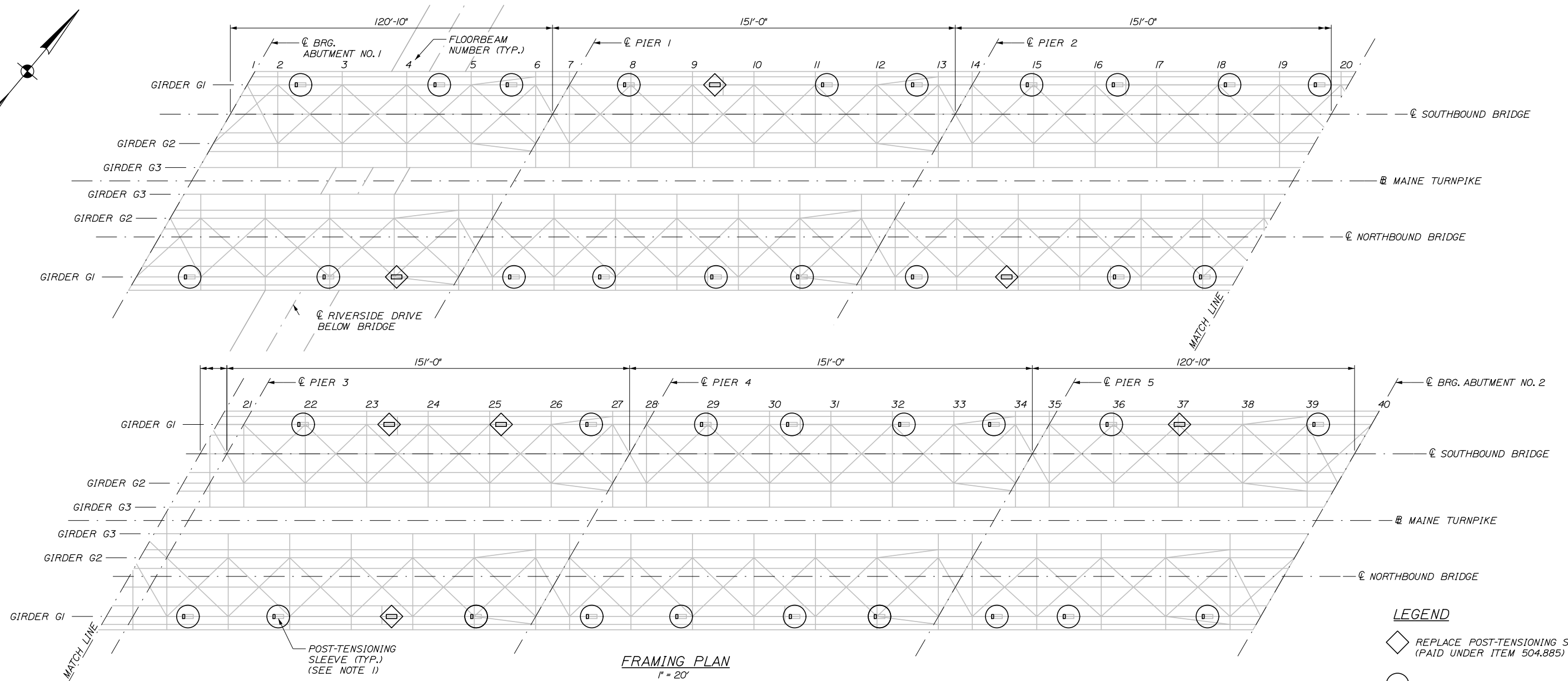
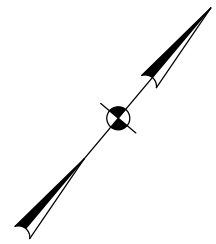
JOINT REPLACEMENT DETAILS III

SHEET NUMBER: S-38
78 OF 81

CONTRACT: 2025.06

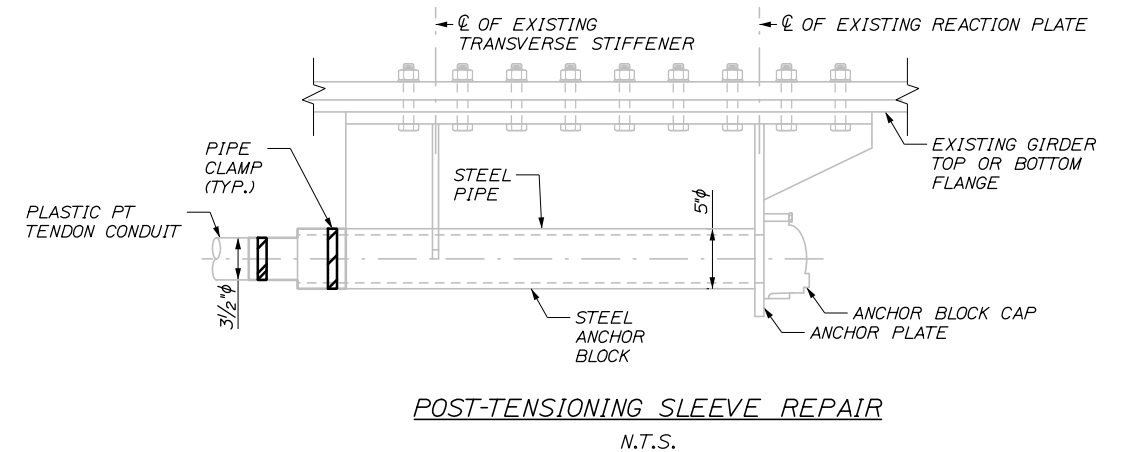
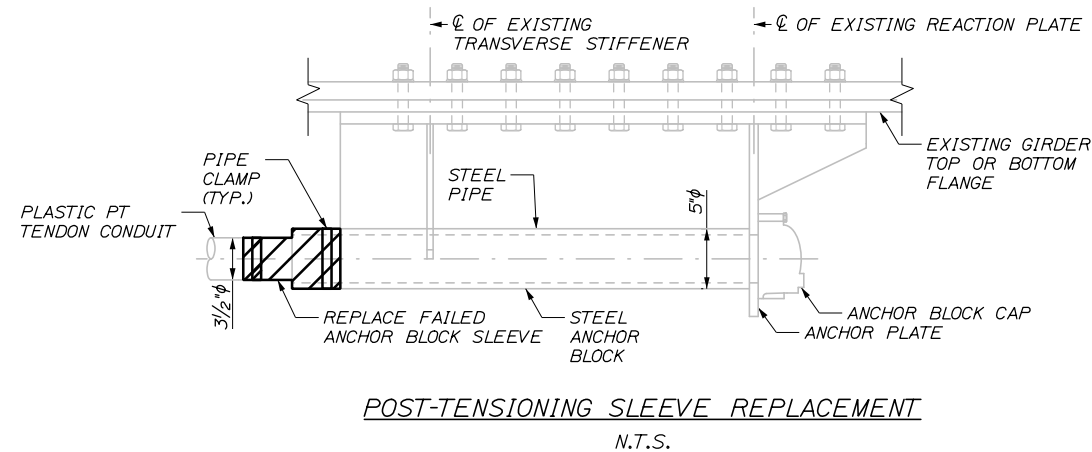
Date: 1/15/2025

Filename: 079_Post.Tension Sleeve Repair Details.dgn



POST-TENSIONING SLEEVE REPAIR NOTES:

1. REPLACEMENT LOCATIONS SHOWN ARE BASED ON 2023 INSPECTION. SEE SPECIAL PROVISION 504 FOR MORE INFORMATION.
2. FOR ANCHOR BLOCK SLEEVE REPLACEMENT AND REPAIR LOCATIONS SEE FRAMING PLAN.
3. REMOVE FAILED ANCHOR BLOCK SLEEVE SEAL AND INSTALL NEW FLEXIBLE SLEEVE. THE STEEL ANCHOR BLOCK PIPE AND PLASTIC POST-TENSIONING TENDON CONDUIT SURFACES SHALL BE CLEANED SUCH THAT NO DEBRIS OR ADHESIVE FROM PREVIOUS REPAIR SHALL REMAIN PRIOR TO INSTALLATION OF NEW FLEXIBLE SEAL.
4. NEW SLEEVES SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE SPECIAL PROVISION 504.
5. CONTRACTOR SHALL PROVIDE ACCESS FOR RESIDENT TO INSPECT POST TENSIONING TENDONS IN LOCATIONS WHERE SLEEVE HAS FAILED PRIOR TO REPLACING ANCHOR BLOCK SLEEVE IN ACCORDANCE WITH SPECIAL PROVISION 504.



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| Designed by: | | | |
| HNTB | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | |
| | By | Date | |
| | BRG | 01\2025 | |
| | Checked | GLT | 01\2025 |
| | Drawn | ERB | 01\2025 |
| | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

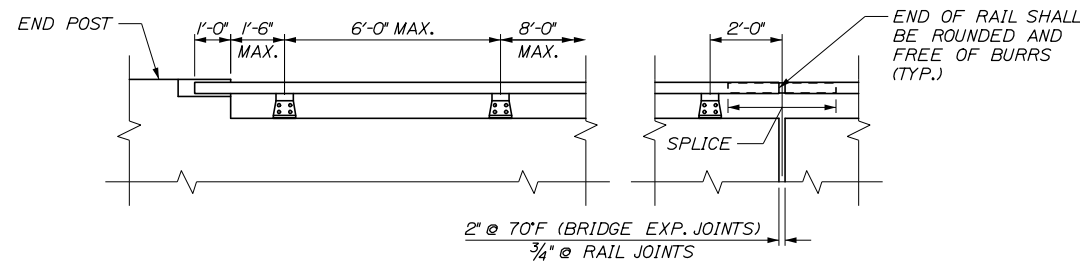
**ANDROSCOGGIN BRIDGE OVERPASS
BRIDGE REPAIR**

POST TENSIONING SLEEVE REPAIR DETAILS

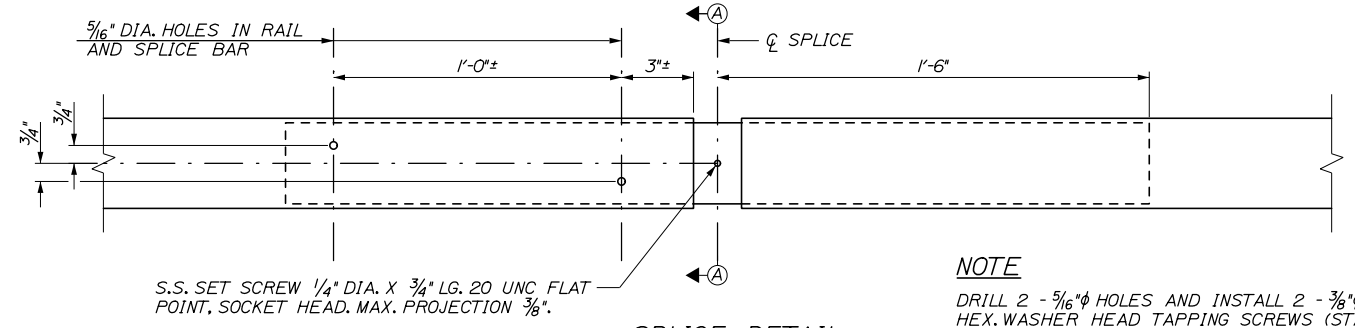
SHEET NUMBER: S-39
CONTRACT: 2025.06
79 OF 81

Date: 1/15/2025

Filename: 080-Aluminum Railing Details (1 Bar).dgn

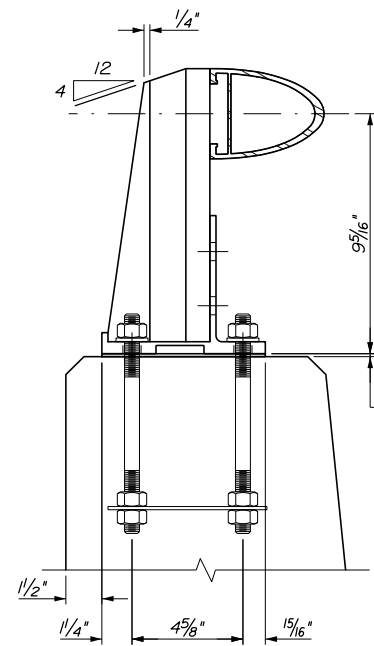


RAILING ELEVATION
3/8" = 1'-0"



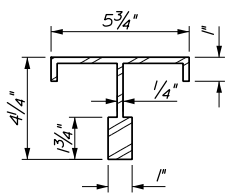
SPLICE DETAIL
3" = 1'-0"

NOTE
DRILL 2 - 5/16" φ HOLES AND INSTALL 2 - 3/8" φ X 1", TYPE F, HEX. WASHER HEAD TAPPING SCREWS (STAINLESS).



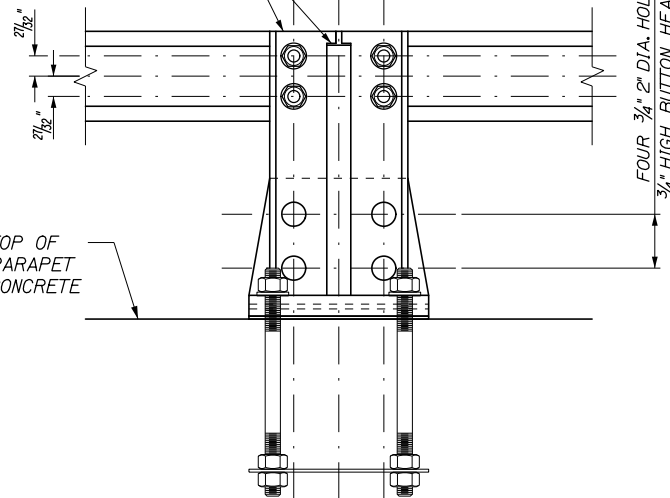
BRIDGE RAILING ASSEMBLY
3" = 1'-0"

PREFORMED PAD 1/8" DIA. THICK AFTER COMPRESSION (TYP.) AT LEAST ONE PAD SHALL BE PLACED UNDER EACH POST

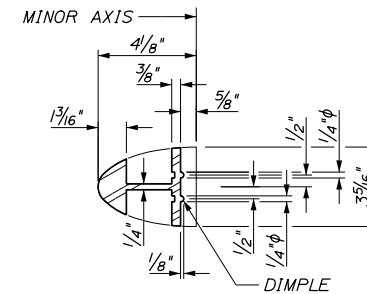


POST SECTION
3" = 1'-0"

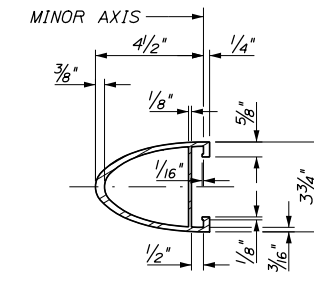
TOP EDGES OF POST SHALL BE ROUNDED AND FREE OF BURRS (TYPICAL ALL POSTS)



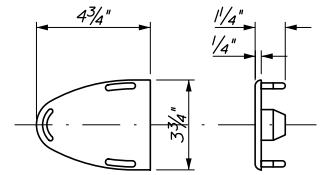
OUTSIDE ELEVATION OF POST
3" = 1'-0"



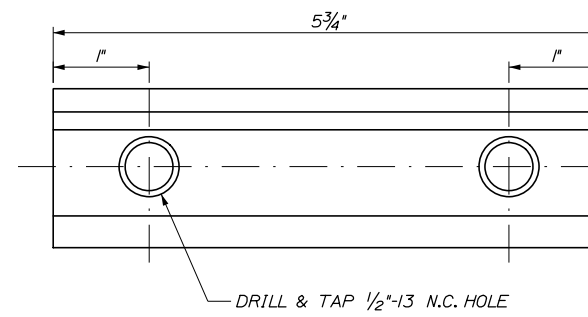
SECTION A-A
3" = 1'-0"



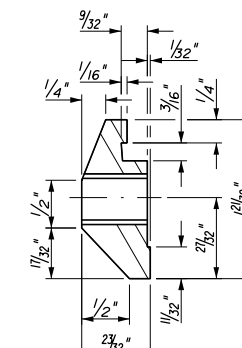
RAIL MEMBER
3" = 1'-0"



CAST ALUMINUM DRIVE FIT RAIL CAP
3" = 1'-0"



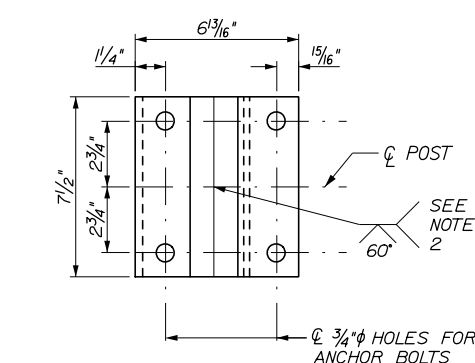
CLAMP BAR DETAILS
1'-0" = 1'-0"



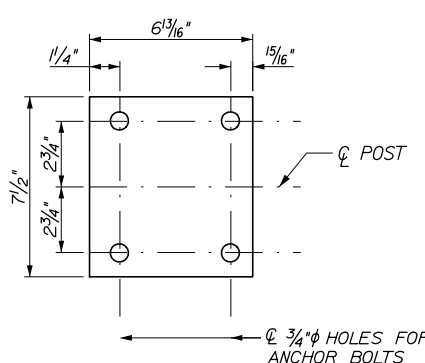
ANCHOR BOLT
(SEE NOTES 3 AND 4)
3" = 1'-0"

NOTES:

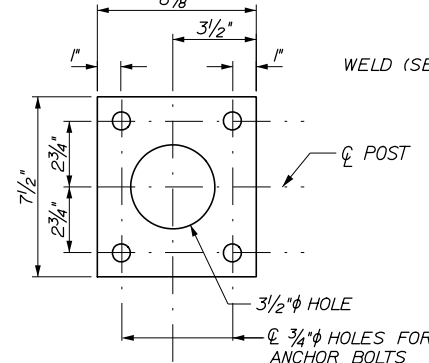
1. LENGTHS OF RAIL SHALL BE ATTACHED TO A MIN. OF FOUR (4) RAIL POSTS WHENEVER POSSIBLE AND, IN ANY CASE, NEVER LESS THAN TWO (2). RAIL POSTS ARE TO BE SET NORMAL TO GRADE, UNLESS OTHERWISE SHOWN ON THE BRIDGE PLANS.
2. ONE-PIECE BASE PLATE MAY BE SUBSTITUTED, PROVIDED THAT THE REQUIRED LENGTH IS CUT FROM A ONE-PIECE EXTRUSION AND HAS THE GEOMETRIC SHAPE OF THE TWO-PIECE BASE PLATE.
3. IF CUT THREADS ARE USED TO FABRICATE ANCHOR BOLTS, THE BODY DIAMETER SHALL NOT BE LESS THAN THE NOMINAL DIAMETER. IF ROLLED THREADS ARE USED, THE BODY DIAMETER SHALL NOT BE LESS THAN THE PITCH DIAMETER OF THE THREADS.
4. FOUR (4) BOLT, NUT, AND WASHER SETS ARE REQUIRED PER ASSEMBLY. ALL HARDWARE SHALL BE GALVANIZED.
5. ALUMINUM RAIL REPLACEMENT PARTS WILL BE SUPPLIED BY THE CONTRACTOR. CONTRACTOR SHALL FIELD VERIFY ALL ALUMINUM BRIDGE RAIL AND POST DIMENSIONS PRIOR TO FABRICATING COMPONENTS. FIELD VERIFIED DIMENSIONS SHALL BE SUBMITTED TO THE RESIDENT FOR APPROVAL PRIOR TO DEVELOPING SHOP DRAWINGS.



POST BASE (BOTTOM VIEW)
3" = 1'-0"

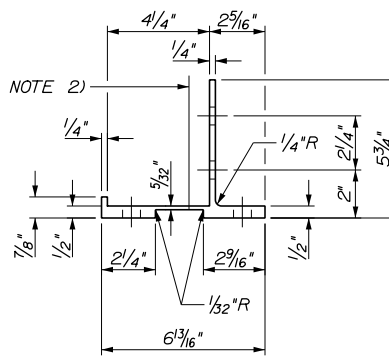


PREFORMED PAD
3" = 1'-0"

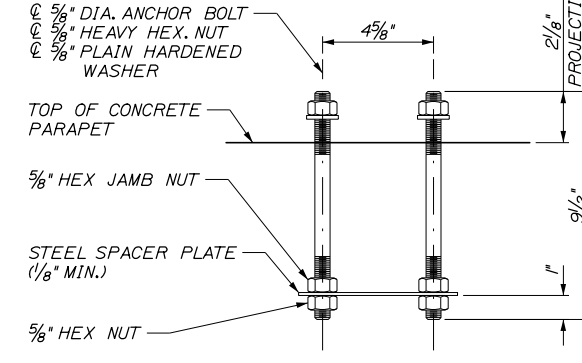


STEEL SPACER PLATE (FOR ANCHORAGE)
3" = 1'-0"

WELD (SEE NOTE 2)



POST BASE SECTION
3" = 1'-0"



RAIL POST ANCHORAGE (ASSEMBLY)
3" = 1'-0"

| | | | |
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| Scale: AS NOTED | | | |
| No. | Revision | By | Date |
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| Designed by: HNTB | | | | | |
| CONSULTANT PROJECT MANAGER: Bret Grenier, P.E. | | | | | |
| | By | Date | By | Date | |
| Designed | BRG | 01\2025 | Checked | GLT | 01\2025 |
| Drawn | ERB | 01\2025 | In Charge of | TRC | 01\2025 |

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**THE GOLD STAR
MEMORIAL HIGHWAY**

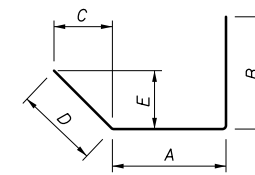
MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

ANDROSCOGGIN RIVER OVERPASS
BRIDGE REPAIR
ALUMINUM RAILING DETAILS (1 BAR)

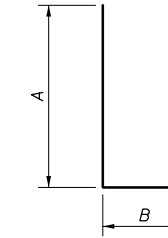
SHEET NUMBER: S-40
CONTRACT: 2025.06
80 OF 81

Androscoggin River Bridges (NB & SB)

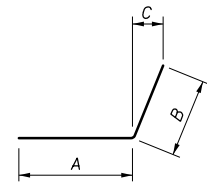
| MARK | SIZE | NO. | LENGTH | TYPE | A | B | C | D | E | F | G | H | O | R | INCR. | REMARKS |
|-----------------------|------|-----|-----------|------|--------|--------|--------|-------|----|---|---|---|---|---|-------|---|
| ABUTMENTS | | | | | | | | | | | | | | | | |
| A500 | 5 | 24 | 19' - 10" | STR | | | | | | | | | | | | Backwall Horizontal |
| A501 | 5 | 24 | 26' - 9" | STR | | | | | | | | | | | | Backwall Horizontal |
| A502 | 5 | 48 | 5' - 3" | STR | | | | | | | | | | | | Backwall Horizontal Corner |
| A650 | 6 | 424 | 2' - 3" | 118 | 10" | 1'-5" | | | | | | | | | | Vertical Dowel |
| A651 | 6 | 88 | 4' - 0" | 118 | 2'-7" | 1'-5" | | | | | | | | | | Wingwall Top Section Longitudinal |
| SUPERSTRUCTURE | | | | | | | | | | | | | | | | |
| S450 | 4 | 20 | 2' - 1" | 109 | 3' | 10" | 10" | 1'-0" | 7" | | | | | | | Deck End, Parapet Curb Stirrup |
| S500 | 5 | 8 | 21' - 7" | STR | | | | | | | | | | | | Deck End, Transverse Top |
| S501 | 5 | 8 | 28' - 6" | STR | | | | | | | | | | | | Deck End, Transverse Top |
| S502 | 5 | 64 | 7' - 9" | STR | | | | | | | | | | | | Deck End, Transverse Bottom |
| S503 | 5 | 8 | 1' - 3" | STR | | | | | | | | | | | | Deck End, Longitudinal Parapet Curb |
| S504 | 5 | 150 | 7' - 8" | STR | | | | | | | | | | | | Parapet Replacement, Longitudinal |
| S550 | 5 | 192 | 2' - 5" | 118 | 10" | 1'-7" | | | | | | | | | | Deck End, Longitudinal Bottom |
| S551 | 5 | 192 | 3' - 5" | 118 | 10" | 2'-7" | | | | | | | | | | Deck End, Longitudinal Top |
| S552 | 5 | 216 | 3' - 10" | 127 | 6" | 1'-8" | 1'-8" | | | | | | | | | Parapet Replacement, Stirrup |
| S650 | 6 | 32 | 3' - 11" | 118 | 2'-11" | 1'-0" | | | | | | | | | | Deck End, Parapet Vertical |
| ENDPOSTS | | | | | | | | | | | | | | | | |
| EP500 | 5 | 30 | 7' - 2" | STR | | | | | | | | | | | | Endpost Main Longitudinal |
| EP501 | 5 | 2 | 6' - 1" | STR | | | | | | | | | | | | Endpost Longitudinal Rail Blockout |
| EP502 | 5 | 30 | 6' - 2" | STR | | | | | | | | | | | | Endpost Main Longitudinal |
| EP503 | 5 | 2 | 5' - 1" | STR | | | | | | | | | | | | Endpost Longitudinal Rail Blockout |
| EP504 | 5 | 4 | 1' - 11" | STR | | | | | | | | | | | | Endpost Longitudinal Curb |
| EP505 | 5 | 28 | 9' - 2" | STR | | | | | | | | | | | | Endpost Main Longitudinal (NB1W and SB2E) |
| EP506 | 5 | 6 | 7' - 1" | STR | | | | | | | | | | | | Endpost Curb Longitudinal (NB1W and SB2E) |
| EP507 | 5 | 28 | 6' - 8" | STR | | | | | | | | | | | | Endpost Main Longitudinal (NB1E and SB2W) |
| EP508 | 5 | 6 | 4' - 10" | STR | | | | | | | | | | | | Endpost Curb Longitudinal (NB1E and SB2W) |
| EP550 | 5 | 32 | 4' - 11" | 118 | 3'-7" | 1'-4" | | | | | | | | | | Endpost Stirrup, Back Face |
| EP551 | 5 | 32 | 6' - 3" | 124 | 8" | 2'-8" | 10" | 2'-1" | | | | | | | | Endpost Stirrup, Top |
| EP552 | 5 | 32 | 3' - 4" | 119 | 2'-4" | 1'-0" | 10" | | | | | | | | | Endpost Curb Stirrup |
| EP553 | 5 | 12 | 3' - 10" | 118 | 3'-0" | 10" | | | | | | | | | | Endpost Corner |
| EP554 | 5 | 8 | 4' - 1" | 118 | 1'-5" | 2'-8" | | | | | | | | | | Endpost Top Corner |
| EP555 | 5 | 12 | 3' - 10" | 118 | 3'-0" | 10" | | | | | | | | | | Endpost Corner |
| EP556 | 5 | 4 | 6' - 11" | 124 | 1'-1" | 2'-11" | 10" | 2'-1" | | | | | | | | Median Endpost Top Stirrup |
| EP557 | 5 | 4 | 3' - 4" | 119 | 2'-4" | 1'-0" | 10" | | | | | | | | | Median Endpost Curb Stirrup |
| EP558 | 5 | 4 | 4' - 8" | 118 | 2'-0" | 2'-8" | | | | | | | | | | Endpost Backwall Cantilever |
| EP559 | 5 | 4 | 7' - 11" | 119 | 5'-3" | 2'-8" | 2'-6" | | | | | | | | | Endpost Top Longitudinal (NB1W and SB2E) |
| EP560 | 5 | 4 | 8' - 0" | 118 | 4'-9" | 3'-3" | | | | | | | | | | Endpost Top Long. Corner (NB1W and SB2E) |
| EP561 | 5 | 14 | 6' - 0" | 118 | 4'-9" | 1'-3" | | | | | | | | | | Endpost Acute Corner (NB1W and SB2E) |
| EP562 | 5 | 6 | 4' - 2" | 119 | 2'-3" | 1'-11" | 1'-10" | | | | | | | | | Endpost Curb End (NB1W and SB2E) |
| EP563 | 5 | 4 | 6' - 10" | 119 | 4'-2" | 2'-8" | 2'-6" | | | | | | | | | Endpost Top Longitudinal (NB1E and SB2W) |
| EP564 | 5 | 6 | 4' - 2" | 119 | 2'-3" | 1'-11" | 1'-10" | | | | | | | | | Endpost Curb End (NB1E and SB2W) |
| EP600 | 6 | 80 | 5' - 4" | STR | | | | | | | | | | | | Endpost Vertical (NB1W and SB2E) |
| EP601 | 6 | 48 | 5' - 4" | STR | | | | | | | | | | | | Endpost Vertical (NB1E and SB2W) |
| EP650 | 6 | 30 | 6' - 11" | 124 | 1'-1" | 2'-11" | 10" | 2'-1" | | | | | | | | Endpost Top Stirrup (NB1W and SB2E) |
| EP651 | 6 | 10 | 5' - 11" | 129 | 1'-1" | 2'-5" | | | | | | | | | | Endpost Top Stirrup Taper (NB1W and SB2E) |
| EP652 | 6 | 40 | 3' - 6" | 109 | 1'-2" | 1'-4" | 10" | 1'-0" | 7" | | | | | | | Endpost Curb Stirrup (NB1W and SB2E) |
| EP653 | 6 | 18 | 6' - 6" | 124 | 8" | 2'-11" | 10" | 2'-1" | | | | | | | | Endpost Top Stirrup (NB1E and SB2W) |
| EP654 | 6 | 10 | 5' - 6" | 129 | 8" | 2'-5" | | | | | | | | | | Endpost Top Stirrup Taper (NB1E and SB2W) |
| EP655 | 6 | 28 | 4' - 9" | 118 | 3'-9" | 1'-0" | | | | | | | | | | Endpost Vertical Back Face (NB1E and SB2W) |
| EP656 | 6 | 22 | 3' - 10" | 119 | 2'-10" | 1'-0" | 10" | | | | | | | | | Endpost Curb Stirrup (NB1E and SB2W) |
| EP657 | 6 | 6 | 2' - 11" | 109 | 1'-2" | 9" | 10" | 1'-0" | 7" | | | | | | | Endpost Curb Stirrup at End (NB1E and SB2W) |



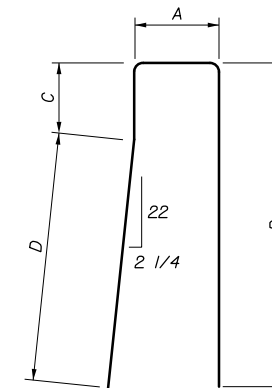
TYPE 109



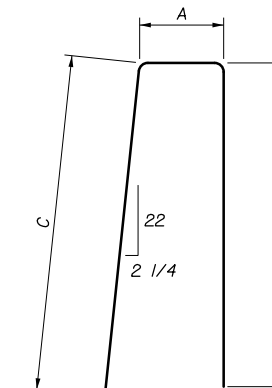
TYPE 118



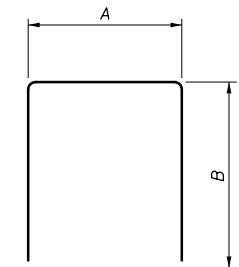
TYPE 119



TYPE 124



TYPE 127



TYPE 129

Date: 1/15/2025

Filename: 081_Reinforcing Schedule.dgn

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| Scale: | | | |
| No. | Revision | By | Date |
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| | | | |

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Bret Grenier, P.E.

| | | | |
|----------|-------------|--------------|-------------|
| By | Date | By | Date |
| Designed | BRG 01\2025 | Checked | GLT 01\2025 |
| Drawn | ERB 01\2025 | In Charge of | TRC 01\2025 |

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooyen, P.E.

**ANDROSCOGGIN RIVER OVERPASS
 BRIDGE REPAIR**
REINFORCING SCHEDULE

SHEET NUMBER: S-41
 81 OF 81

CONTRACT: 2025.06