

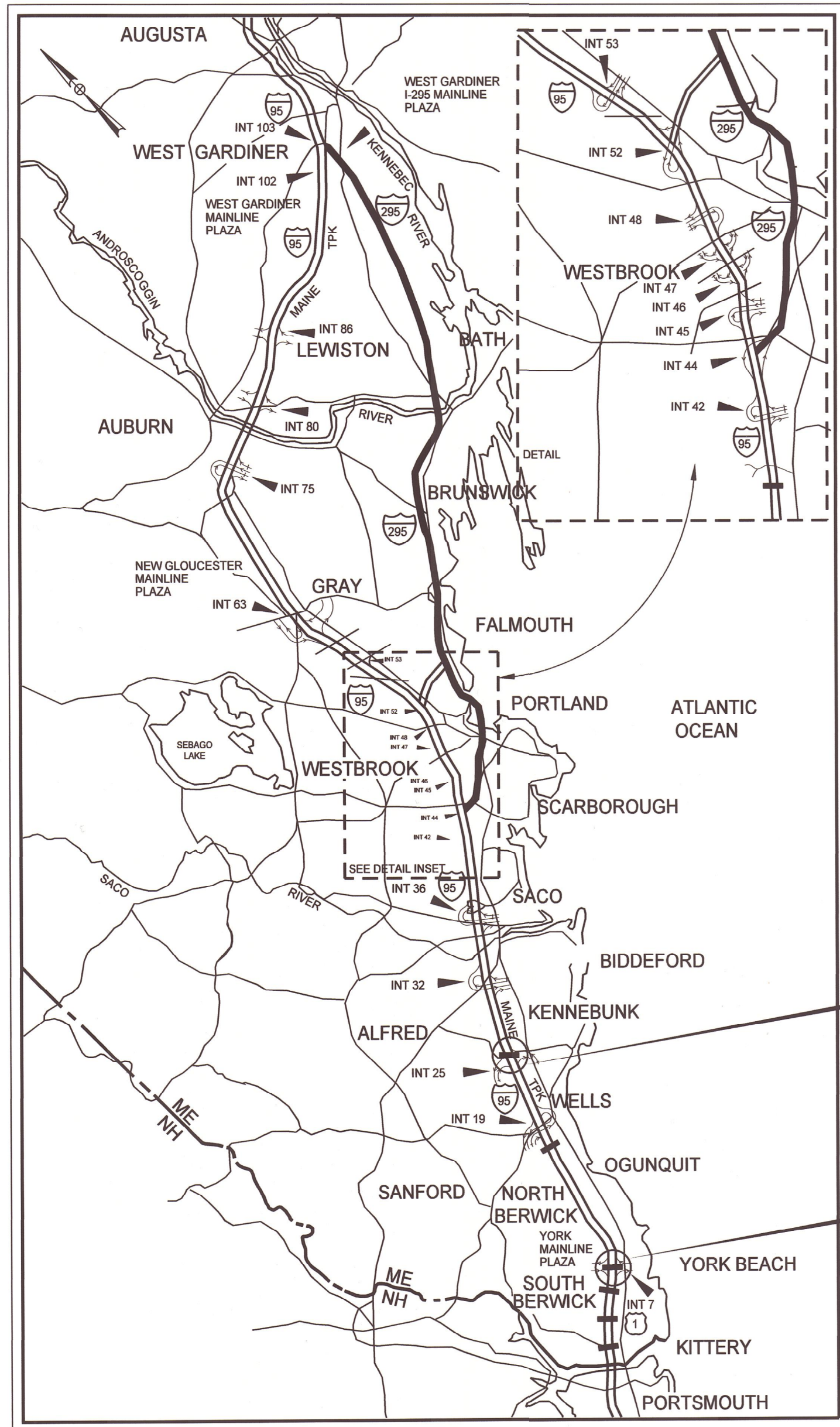


THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

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

INDEX OF SHEETS	
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16	Bridge Typical Section
17	Bridge Joint Modifications
18	Miscellaneous Details



LOCATION MAP

CONTRACT 2024.06

BRIDGE REPAIRS

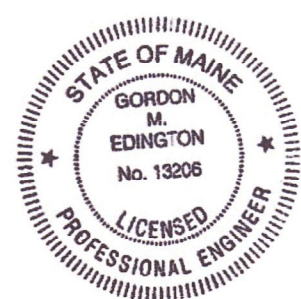
YORK INTERCHANGE UNDERPASS (MM 6.80) FLETCHER STREET/ROUTE 35 UNDERPASS (MM 25.30)

Contract 2024.06

APPROVED: MAINE TURNPIKE AUTHORITY

Peter S. Welfeld
PETER S. WELFELD, P.E. - CHIEF OPERATIONS OFFICER
DATE: 4/26/24

Stephen R. Tarver
STEPHEN R. TARVER, P.E. - CHIEF ENGINEER & DIRECTOR OF ENGINEERING
DATE: 4/26/24



Gordon Edington
Gordon M. Edington, P.E.
Consultant Project Manager

4/23/2024
DATE

Date: 4/23/2024

Filename: ... \001_title.dgn

Date: 4/23/2024

ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	YORK INTERCHANGE UNDERPASS	FLETCHER STREET/ROUTE 35 UNDERPASS	QUANTITY TOTAL
202.202	Removing Pavement Surface	SY	1,850	1,550	3,400
202.202i	Removing Pavement Surface - Sidewalk	SY		22	22
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	TON	155	130	285
403.209	Hot Mix Asphalt - 9.5 mm (sidewalks, drives, & incidentals)	TON		4	4
409.15	Bituminous Tack Coat RS-1 or RSlh - Applied	GAL	71	63	134
502.701i	Weep Drain Extensions	EA		12	12
515.202	Clear Protective Coating for Concrete Surfaces	SY	490	520	1,010
518.101	Abutment Repairs	CF	24	23	47
518.391	Repairing Granite Curb Joint and Bedding Mortar	LF		10	10
518.4	Epoxy Injection Crack Repair	LF	30		30
518.48	Reseal Joints	LF		43	43
518.864	Elastomeric Concrete Header Repair	CF	150	24	174
518.92	Steel Curb Plate Removal	EA	4		4
520.23	Asphaltic Plug Joint	LF		83	83
520.234	Expansion Device - Silicone Coated and Pre-Compressed Seal	LF	230		230
520.923	Bridge Joint Modification (York Interchange Underpass)	EA	4		4
609.31	Curb Type 3	LF		37	37
609.40	Reset Curb Type 5	LF	4		4
652.30	Flashing Arrow Board	EA	1		1
652.312	Type III Barricade	EA	4	3	7
652.33	Drum	EA	85		85
652.34	Cone	EA		25	25
652.35	Construction Signs	SF	148	117	265
652.361	Maintenance of Traffic Control Devices (York Interchange Underpass)	LS	1		1
652.361	Maintenance of Traffic Control Devices (Fletcher Street/Route 35 Underpass)	LS		1	1
652.381	Traffic Officers	HR		675	675
652.41	Portable - Changeable Message Sign	EA	2	2	4
656.75	Temporary Soil Erosion and Water Pollution Control	LS		1	1
659.10	Mobilization	LS		1	1

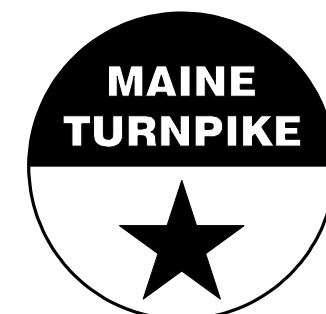
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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT NO. 2024.06
 BRIDGE REPAIRS
 ESTIMATED QUANTITIES

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: G. Edington					
	By	Date		By	Date
Designed	MFS	4/23/24	Checked	MEB	4/23/24
Drawn	MJC	4/23/24	In Charge of	GME	4/23/24

VHB: 55729.00

SHEET NUMBER: 2

CONTRACT: 2024.06

2 OF 18

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

SPECIFICATIONS

Design: AASHTO LRFD Bridge Design Specifications, 2020.

Construction: State of Maine Department of Transportation Standard Specifications, 2014 Edition, with all revisions thereto.

State of Maine Department of Transportation Standard Details for Highways and Bridges, 2020 Edition, with all revisions thereto.

AASHTO LRFD Bridge Construction Specifications, Fourth Edition

NEW MATERIALS

Concrete (Unless noted otherwise) Class AAA - Modified
Reinforcing Steel ASTM A615/A615M, Grade 60

Structural Steel:
All Material (except as noted) ASTM A709/A709M, Grade 36
High Strength Bolts (except as noted) ASTM A325, Type I

BASIC DESIGN STRESSES (NEW MATERIALS)

Concrete $f'c = 4,500 \text{ psi}$

Reinforcing Steel $f_y = 60,000 \text{ psi}$

Structural Steel:
ASTM A 709/A 709M, Grade 36 $F_y = 36,000 \text{ psi}$
ASTM A 325 $F_u = 120,000 \text{ psi}$

TRAFFIC AND DESIGN LOADING DATA

YORK INTERCHANGE UNDERPASS

Design Live Load (for existing components) HL 93
AADT 11,990
Design Speed (MPH) (for existing) 40
Functional Class State Highway

FLETCHER STREET/ROUTE 35 UNDERPASS

DESIGN LIVE LOAD (for existing components) HL 93
AADT 13,480
Design Speed (MPH) (for existing) 35
Functional Class Major Collector

GENERAL CONSTRUCTION NOTES

- All details shall be in conformance with Maine Department of Transportation (MaineDOT) 2020 Standard Details for Highways and Bridges with all updates and MaineDOT Best Management Practices for Erosion and Sediment Control, latest revision unless otherwise noted in these plans.
- All work shall be completed within the Right of Way.
- The Contractor shall submit proposed staging area(s) and field trailer location to the Resident for approval prior to starting work.
- Any portions of the existing bridges removed by the Contractor shall become the property of the Contractor. The steel portions of the existing bridges may be coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated by the work of this project.
- 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 $\frac{3}{4}$ " unless otherwise noted.
- For all structures clear protective coating for concrete surfaces shall be applied to the following areas:
- All exposed median concrete,
- All bridge curbs, parapets, sidewalks and transition barriers as shown in these plans.
- The Contractor shall place approach pavement at all locations to achieve a smooth transition between existing and proposed pavement.
- Prior to the removal of any pavement, the Contractor shall document the location, type and color of all pavement striping and provide that information to the Resident. The Maine Turnpike Authority will place all new striping at no cost to the Contractor.

EROSION CONTROL NOTES

- All temporary and permanent erosion control devices shall be installed in accordance with the Maine Department of Transportation Best Management Practices.

UTILITIES NOTES

- Existing utilities were not located for these plans. No work shall be started until the owners of the various utilities are notified by the Contractor of the proposed construction. The Contractor is also required to call Dig Safe at 1-888-344-7233 at least 72 hours prior to the start of the work.
- The Contractor shall contact all non-members through www.OKtoDIG.com or as otherwise required by the Maine Public Utilities Commission. All proposed excavation locations shall be marked at the time of notification. No excavation shall be permitted until the authority has located and marked its underground utilities. The Resident Engineer shall be provided a digital 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 the Resident 10 calendar days prior to submitting a utility locate request through Dig Safe so that the Resident can arrange for Maine Turnpike underground utility location. All proposed sign locations and excavation locations shall be marked at the notification time.
- Contractor shall protect all existing utilities from damage during the construction as approved by the utility owners.

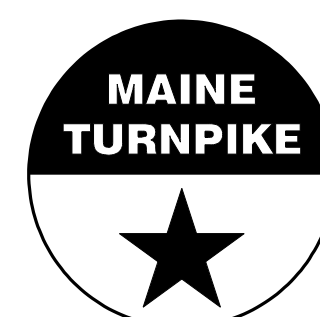
Date: 4/23/2024

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT NO. 2024.06
BRIDGE REPAIRS
GENERAL NOTES

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: G. Edington					
	By	Date		By	Date
Designed	MFS	4/23/24	Checked	MEB	4/23/24
Drawn	MJC	4/23/24	In Charge of	GME	4/23/24

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

VHB: 55729.00

SHEET NUMBER: 3

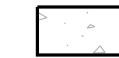

CONTRACT: 2024.06

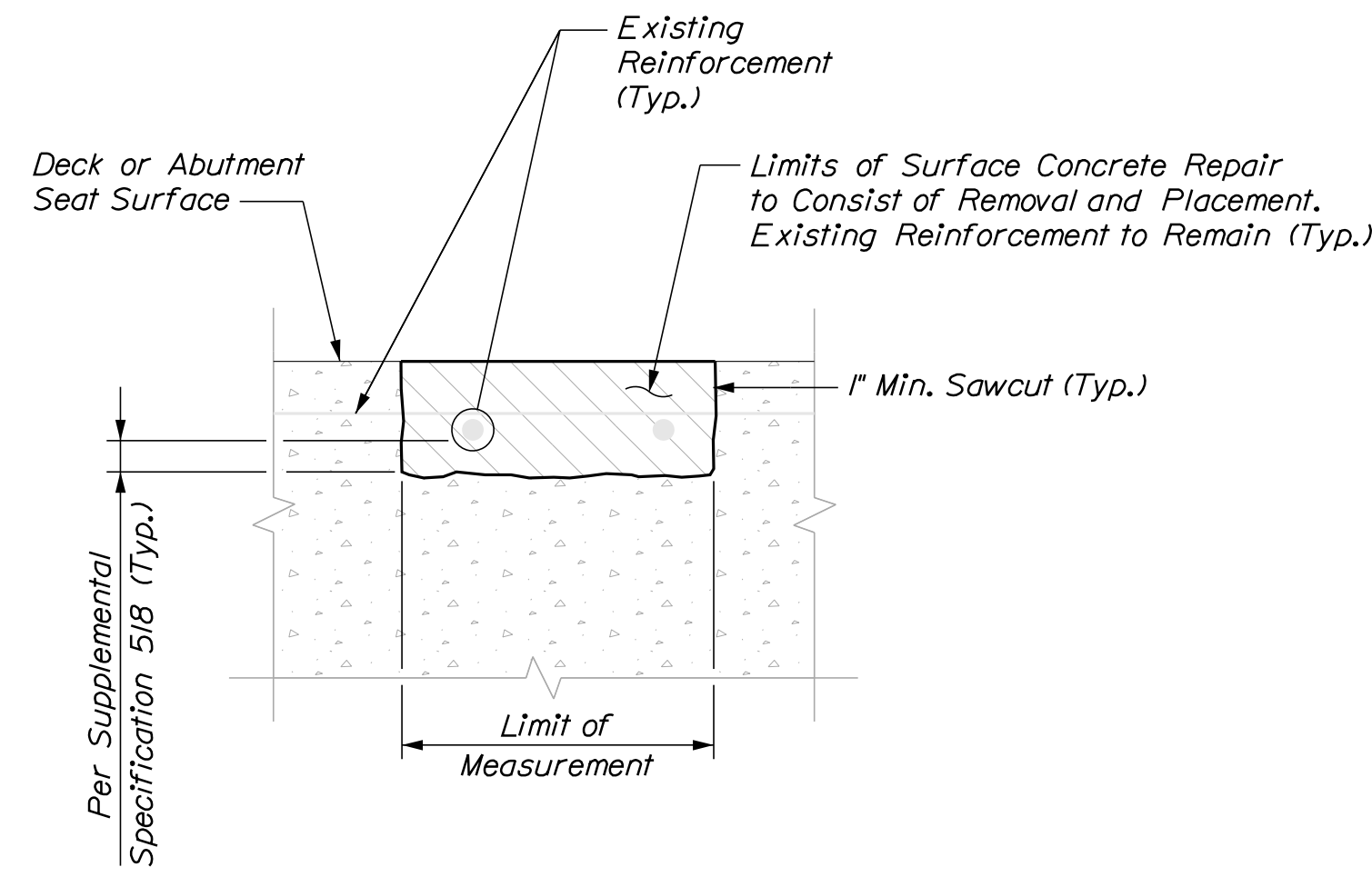
3 OF 18

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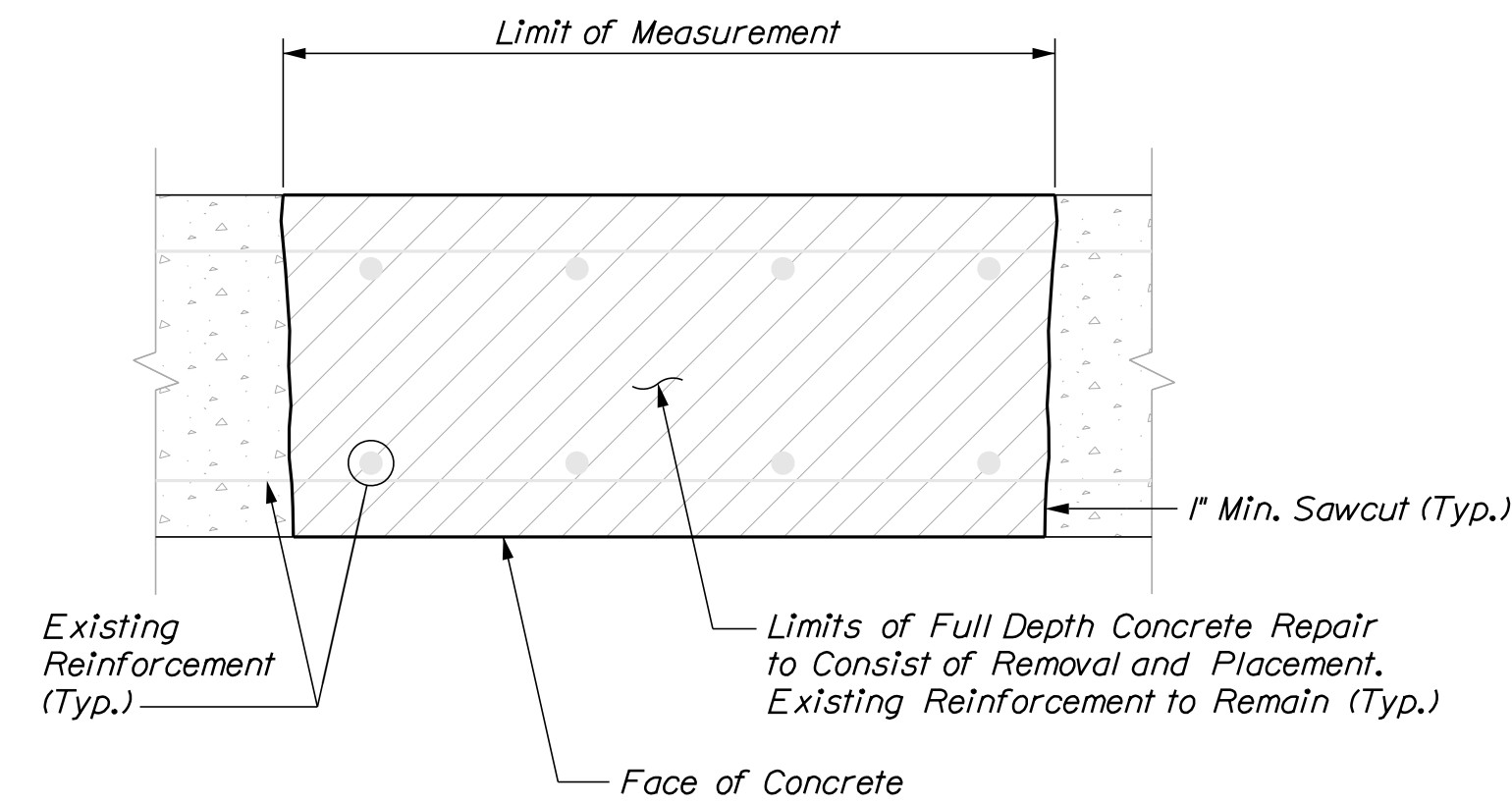
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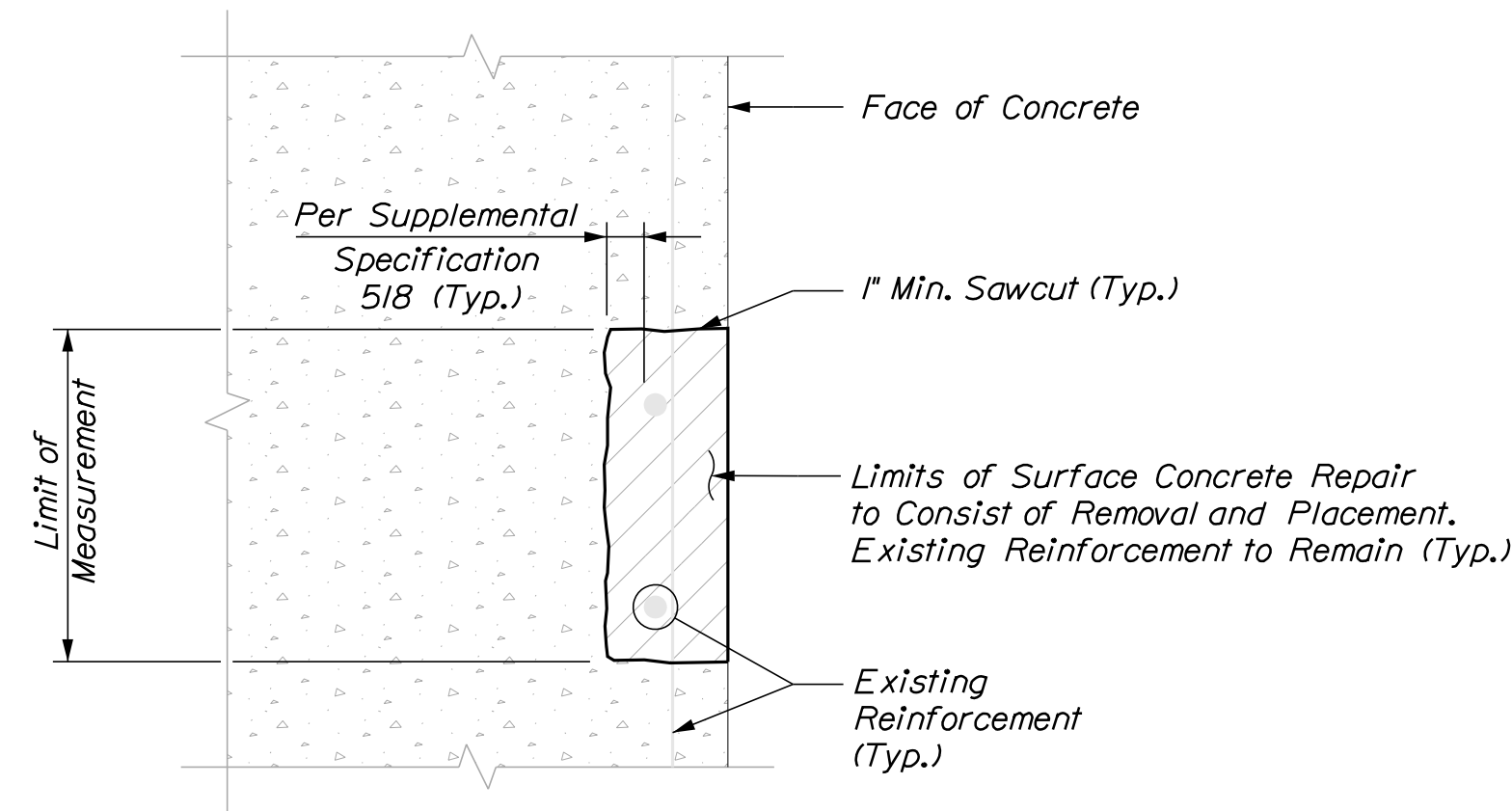
-  Existing Concrete
-  Proposed Concrete



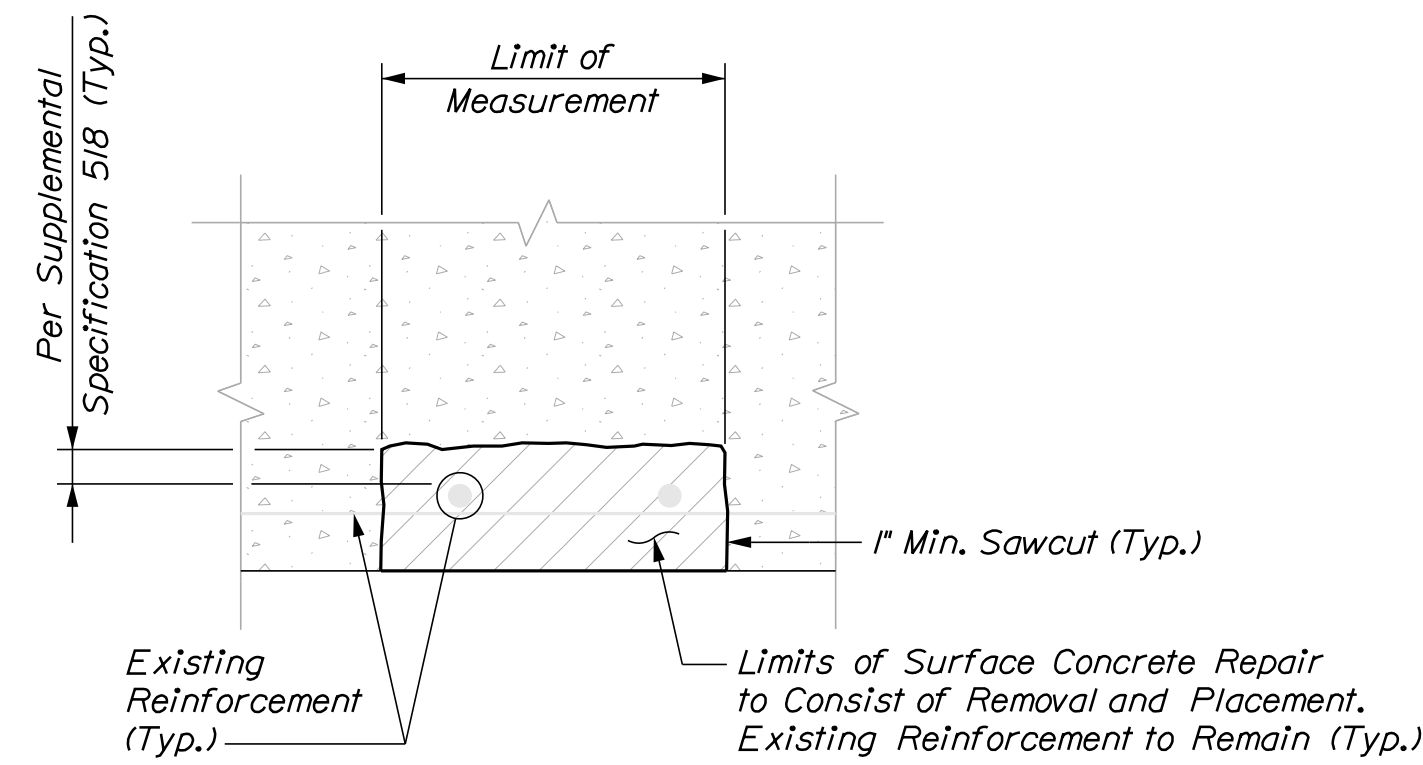
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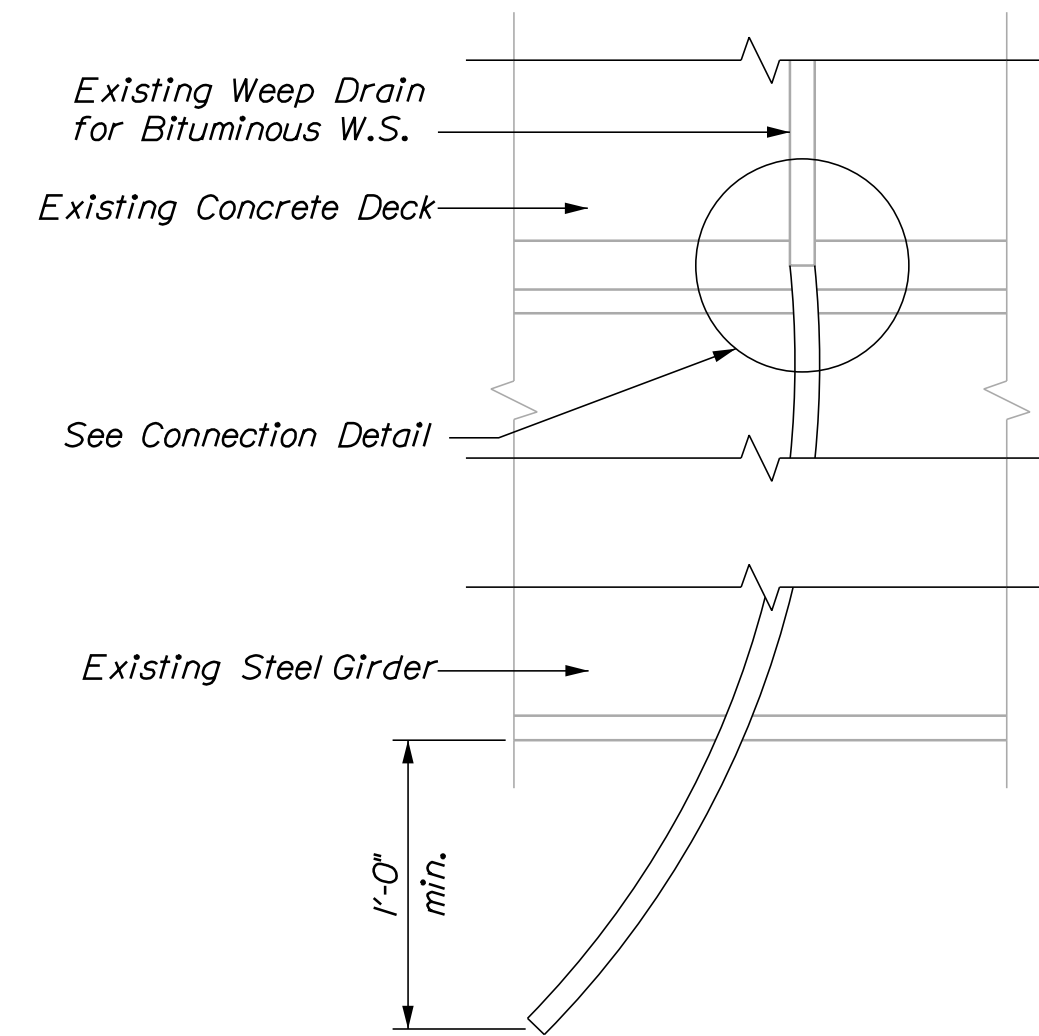
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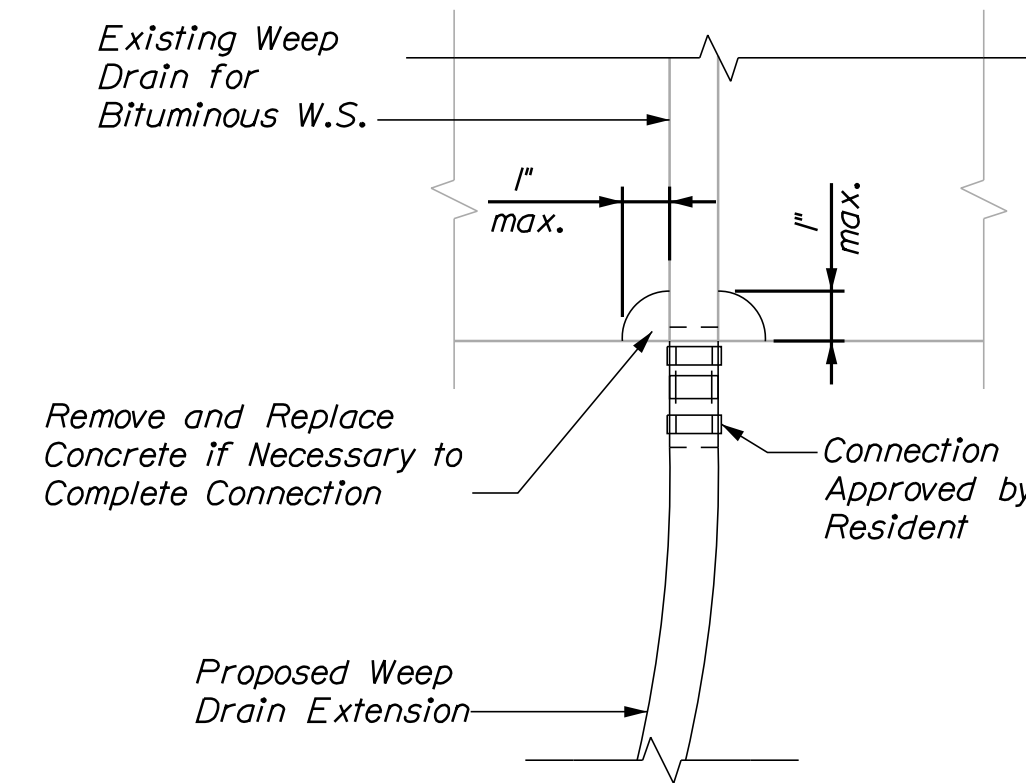
TYPICAL VERTICAL SURFACE CONCRETE REPAIR DETAILS



TYPICAL OVERHEAD SURFACE CONCRETE REPAIR DETAILS



WEEP DRAIN EXTENSION
Not to Scale



Note: Deck Reinforcement Not Shown for Clarity

WEEP DRAIN CONNECTION DETAIL
Not to Scale

CONCRETE REPAIR NOTES

1. Repair work shall include: surface concrete repairs, epoxy injection crack repair and providing access for inspection.
2. Where surface concrete repairs are specified the work shall include removal of unsound concrete and placement and curing of repair materials. Repairs shall be measured for payment under Item 518.89, Concrete Median Repair.
3. Prior to the start of any concrete repairs the Resident and the Contractor shall sound all concrete surfaces and agree on the repair limits. Estimated repair quantities may increase or decrease at the Resident's discretion.
4. The estimated repair quantities are based on inspections completed in September 2023 - October 2023.

CONCRETE REPAIR PROCEDURE

1. Perform 1" deep saw cuts along limits of removal.
2. Chip concrete to the depth specified in Supplemental Specification 518. If the removal limits change during the demolition process the Contractor shall notify the Resident. The Resident and Contractor shall agree on the revised pay limits prior to the Contractor continuing the removal.
3. Prepare and patch repair areas with Class AAA modified concrete or other materials selected from the applicable non-emergency list of materials in Supplemental Specification 518.
4. Perform general finishing.

EPOXY INJECTION CRACK REPAIR NOTES

1. All crack repairs shall be completed by an individual qualified and experienced in the type of repairs proposed.
2. All crack repairs shall be completed in accordance with Supplemental Specification 518.
3. Where epoxy injection crack repair is specified the work shall include pressure injection of cracks 1/16" or more in width. Work shall be paid under Item 518.4 Epoxy Injection Crack Repair.

WEEP DRAIN EXTENSION NOTES:

1. All PVC deck weeps which drain onto piers, abutments or structural steel shall be extended and diverted away from bridge components below deck, and shall extend 1ft below bottom flange, as directed by the Resident. Payment shall be made under pay Item 502.7011, Weep Drain Extensions.

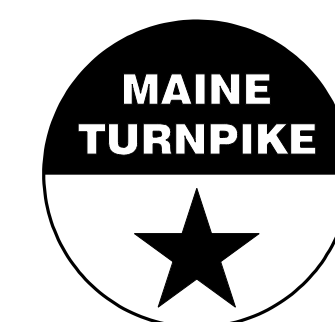
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT NO. 2024.06
BRIDGE REPAIRS
CONCRETE REPAIR TYPICAL DETAILS

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: G. Edington					
	By	Date		By	Date
Designed	MFS	4/23/24	Checked	MEB	4/23/24
Drawn	MJC	4/23/24	In Charge of	GME	4/23/24

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

VHB: 55729.00

CONTRACT: 2024.06

SHEET NUMBER:

4

4 OF 18

MAINTENANCE OF TRAFFIC GENERAL NOTES

- All traffic control equipment and devices shall conform to the 2014 edition of the Maine Department of Transportation (MaineDOT) Standard Specifications, Maine Turnpike Authority (MTA) Supplemental Specifications, contract specifications and applicable traffic control standards and practices.
- Any signs, equipment, or devices found to be damaged or unserviceable shall be replaced at the Contractor's expense.
- Temporary lane closures will be required, with advanced approval, whenever work will occur within four feet of the traveled way. Temporary lane closures shall be removed if no work is occurring. See Special Provisions for more information including available lane closure times.
- Lane closure requests shall be submitted by the Resident by Noon on the Thursday prior to the week of the proposed lane closures. The Contractor shall plan all lane closure requests accordingly.
- Approach ends of temporary concrete barrier shall be placed outside of the highway clear zone (minimum 34 feet from the traveled way) or protected by temporary impact attenuators or with guardrail overlaps as approved by the Resident.
- Maximum spacing for channelizing devices (drums) shall be:
80' on center along tangents
40' on center along tapers
- Work zone speed limits shall only be permitted when temporary mainline lane closures are in place.
- Work shall only occur on one bridge at a time.

YORK INTERCHANGE UNDERPASS NOTES

- York Interchange Underpass will be completed under left lane and right lane closures. See Lane closure plans.

FLETCHER STREET / ROUTE 35 UNDERPASS NOTES

- Fletcher Street work will be completed under flagging operations. See Flagging Plan.
- The Flagging operation shall require Traffic Officers to control the existing signalized intersections on each end of the work zone. When Traffic Officers are controlling the intersections, the existing traffic signals shall be turned Off. The traffic signals shall be turned on when the Traffic Officers are not present.

FLETCHER STREET / ROUTE 35 UNDERPASS SINGLE LANE CLOSURE / SHOULDER CLOSURE

CONSTRUCTION SIGN SUMMARY				
Sign	Text Dimensions (Inches)		Size	Quantity and Color
	Letter Height	Vertical Spacing		
G20-2		Text Dimensions Shall Conform to "Standard Highway Signs" - 2012	36"x18"	3 - Black on Orange
W20-1			36"x36"	5 - Black on Orange
W20-4			36"x36"	2 - Black on Orange
W20-7			36"x36"	3 - Black on Orange
R9-9			24"x12"	2 - Black on Orange

YORK INTERCHANGE UNDERPASS TEMPORARY SINGLE LANE CLOSURES


CONSTRUCTION SIGN SUMMARY				
Sign	Text Dimensions (Inches)		Size	Quantity and Color
	Letter Height	Vertical Spacing		
G20-2		Text Dimensions Shall Conform to "Standard Highway Signs" - 2012	36"x18"	3 - Black on Orange
W4-2L			36"x36"	1 - Black on Orange
W4-2R			36"x36"	1 - Black on Orange
W9-3L			36"x36"	1 - Black on Orange
W9-3R			36"x36"	1 - Black on Orange
W20-1			48"x48"	2 - Black on Orange
W20-1			36"x36"	3 - Black on Orange
R3-7R			30"x30"	1 - Black on White
R11-2			48"x30"	1 - Black on White
M4-9L			48"x36"	1 - Black on Orange
M4-9L			30"x24"	1 - Black on Orange
M4-10R			48"x18"	1 - Black on Orange

Date: 4/23/2024

Filename: ... \005_Workzone_01.dgn

Scale:			
No.	Revision	By	Date


Designed by:



CONSULTANT PROJECT MANAGER: G. Edington

By	Date	By	Date
MLG	4/23/24	MDS	4/23/24
JAR	4/23/24	GME	4/23/24

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THE GOLD STAR MEMORIAL HIGHWAY

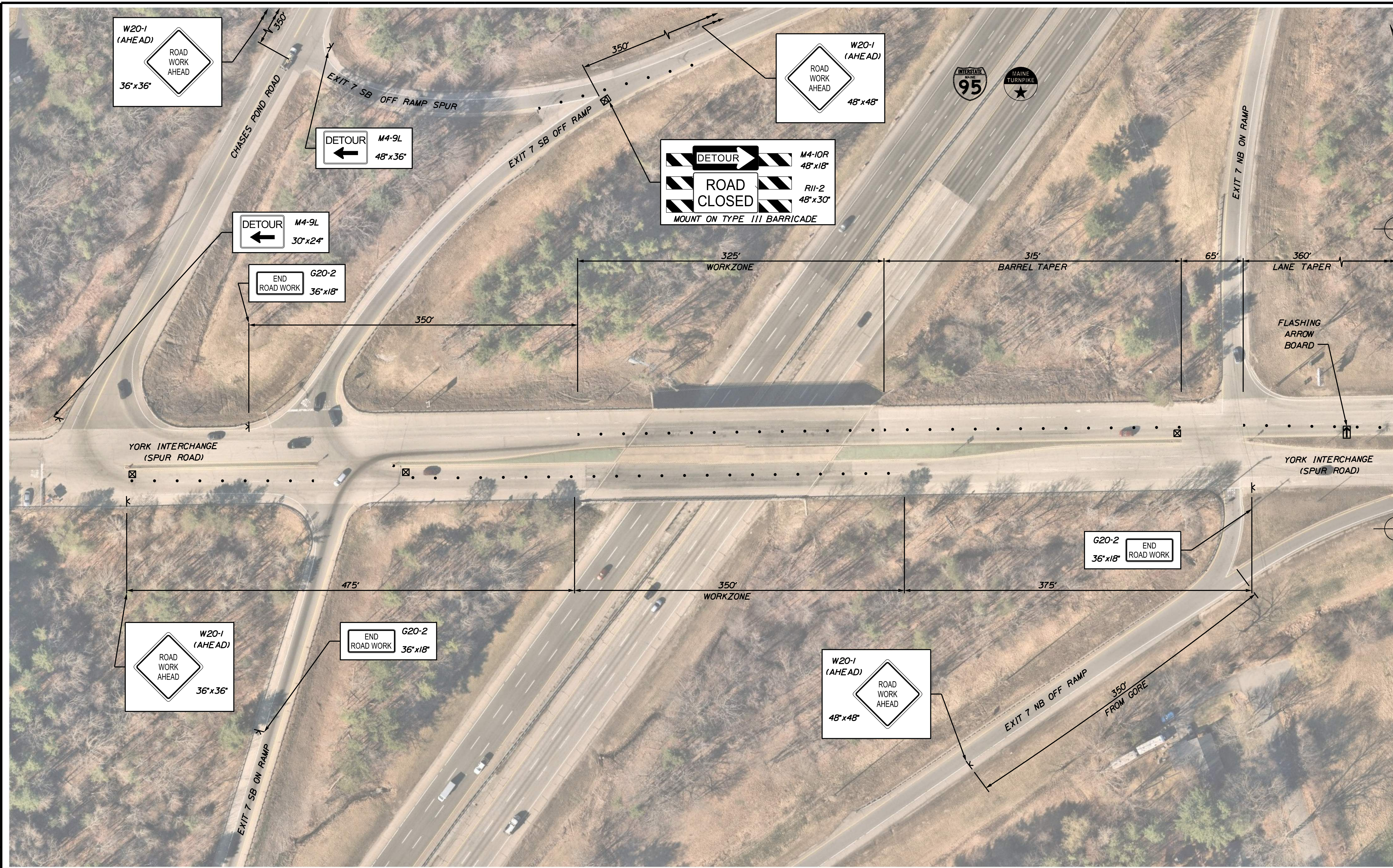
MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
BRIDGE REPAIRS
MAINTENANCE OF TRAFFIC DETAILS
(01 OF 02)

VHB: 55729.00
CONTRACT: 2024.06

SHEET NUMBER: 5
5 OF 18

Date: 4/23/2024




Match to Left Lane Closure Traffic Control Plan 02

Filename: ...MSTAV007_TCP_01.dgn

Scale: 1" = 50'-0"

No.	Revision	By	Date

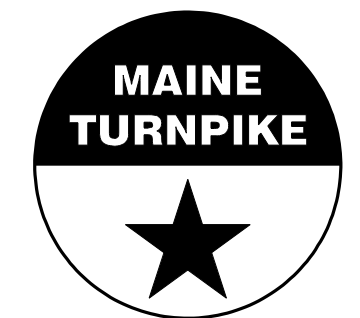
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CONSULTANT PROJECT MANAGER: G. Edington

	By	Date		By	Date
Designed	MLG	4/23/24	Checked	MDS	4/23/24
Drawn	JAR	4/23/24	In Charge of	GME	4/23/24

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

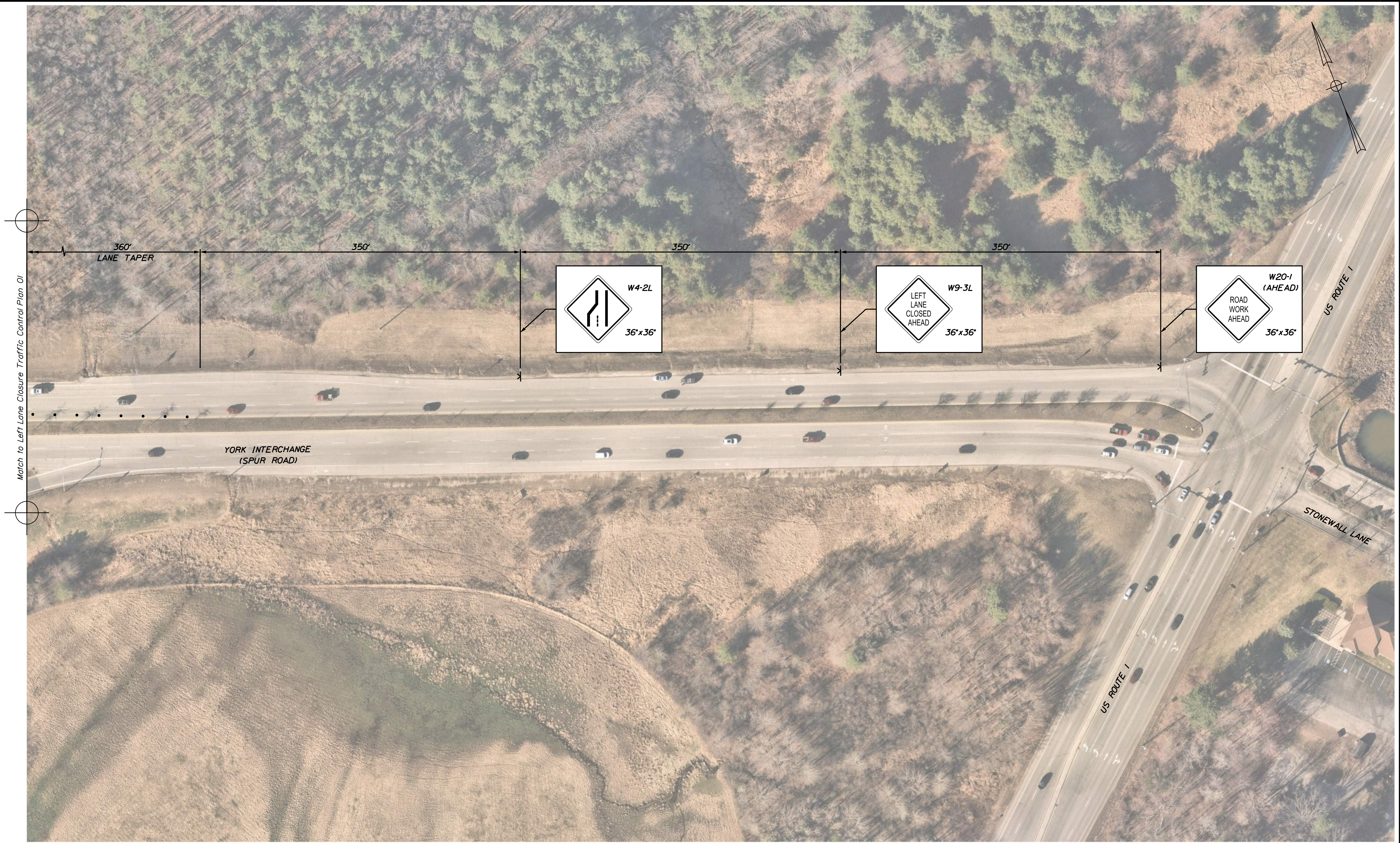
MTA PROJECT NO. 2024.06
 YORK INTERCHANGE UNDERPASS AT
 MM 6.80 IN YORK, ME
 SPUR ROAD LEFT LANE CLOSURE
 TRAFFIC CONTROL PLAN (01 OF 02)

VHB: 55729.00
 CONTRACT: 2024.06

SHEET NUMBER: 7
 7 OF 18

Date: 4/23/2024


Filename: ...MSTA\008_TCP_02.dgn



Scale: 1" = 50'-0"

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: G. Edington

	By	Date	Checked	By	Date
Designed	MLG	4/23/24	Checked	MDS	4/23/24
Drawn	JAR	4/23/24	In Charge of	GME	4/23/24

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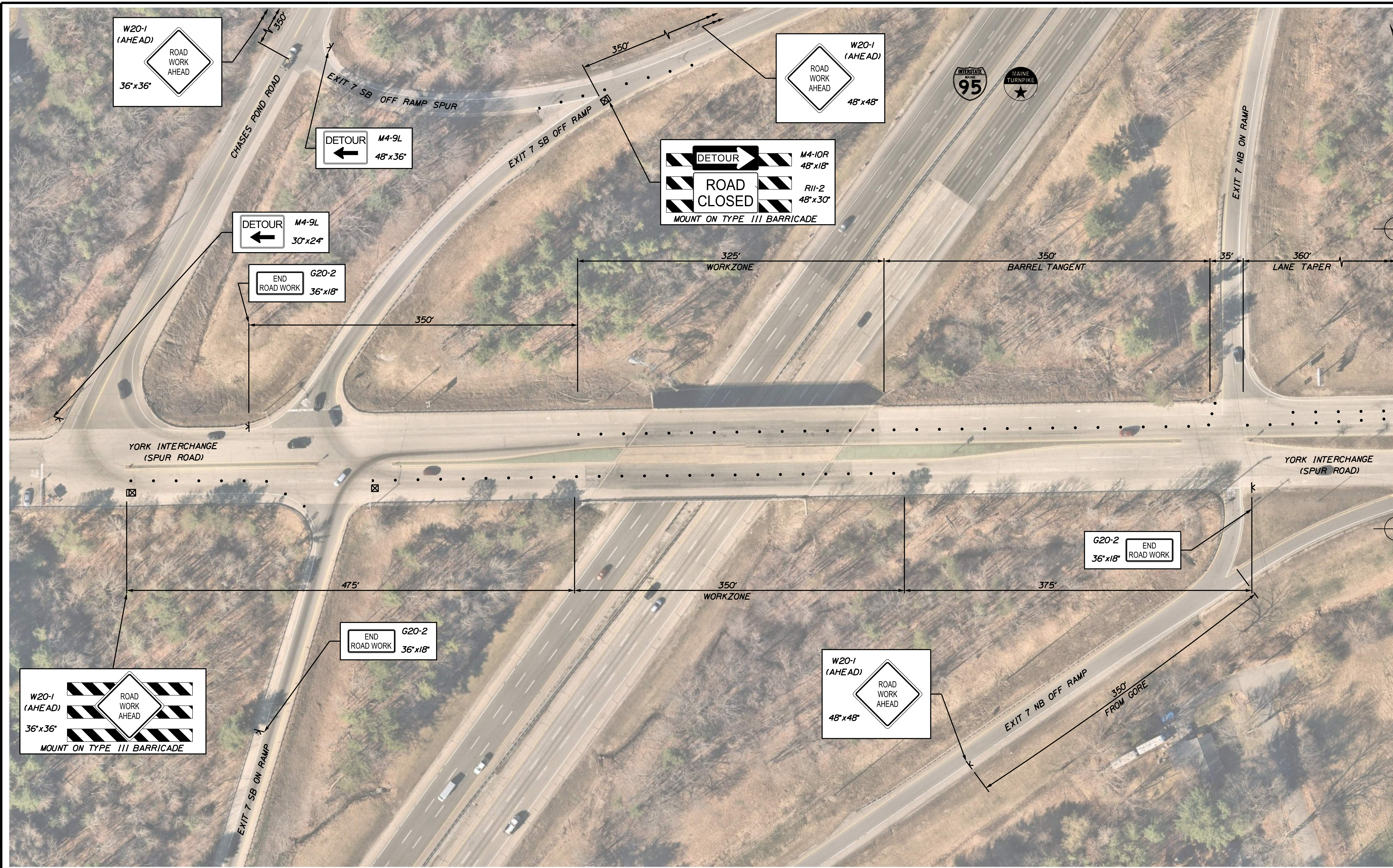
MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
 YORK INTERCHANGE UNDERPASS AT
 MM 6.80 IN YORK, ME
 SPUR ROAD LEFT LANE CLOSURE
 TRAFFIC CONTROL PLAN (02 OF 02)

VHB: 55729.00
 CONTRACT: 2024.06

SHEET NUMBER: 8
 8 OF 18

Date: 4/23/2024




Match to Right Lane Closure Traffic Control Plan 02

Scale: 1" = 50'-0"

No.	Revision	By	Date

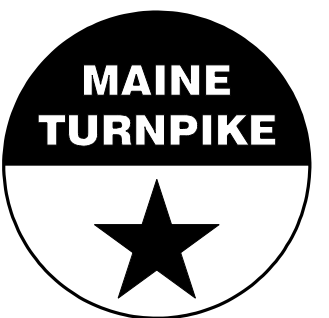
Designed by:



CONSULTANT PROJECT MANAGER: G. Edington

	By	Date	By	Date	
Designed	MLG	4/23/24	Checked	MDS	4/23/24
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
 YORK INTERCHANGE UNDERPASS AT
 MM 6.80 IN YORK, ME
 SPUR ROAD RIGHT LANE CLOSURE
 TRAFFIC CONTROL PLAN (01 OF 02)

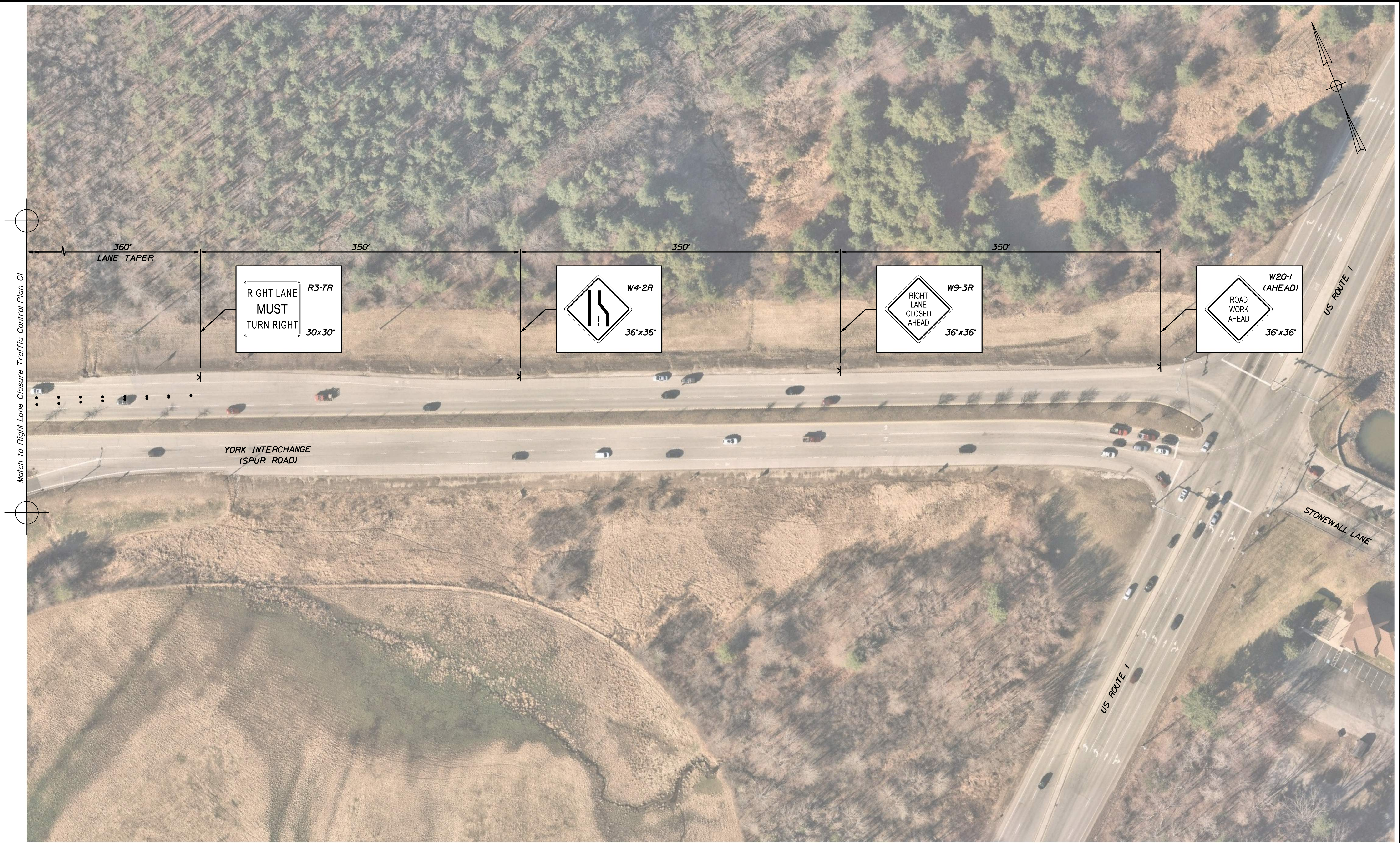
VHB: 55729.00
 CONTRACT: 2024.06

SHEET NUMBER: 9
 9 OF 18

Filename: ...MSTAV009_TCP_03.dgn

Date: 4/23/2024


Filename: ...MSTA\010_TCP_04.dgn



Scale: 1" = 50'-0"

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: G. Edington

	By	Date	Checked	By	Date
Designed	MLG	4/23/24	Checked	MDS	4/23/24
Drawn	JAR	4/23/24	In Charge of	GME	4/23/24

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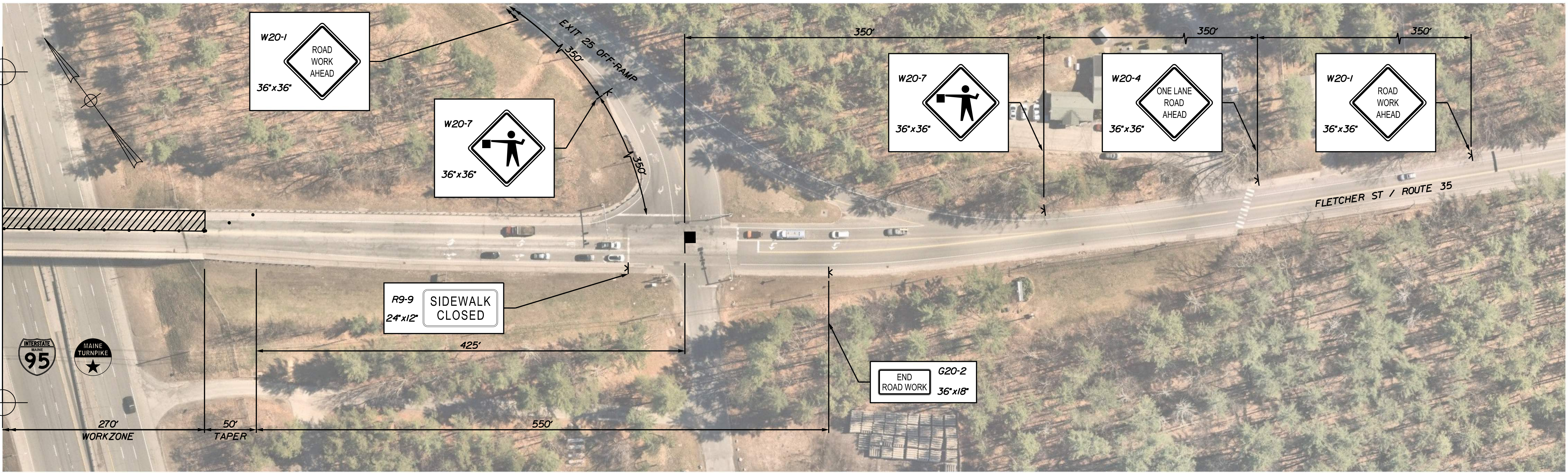
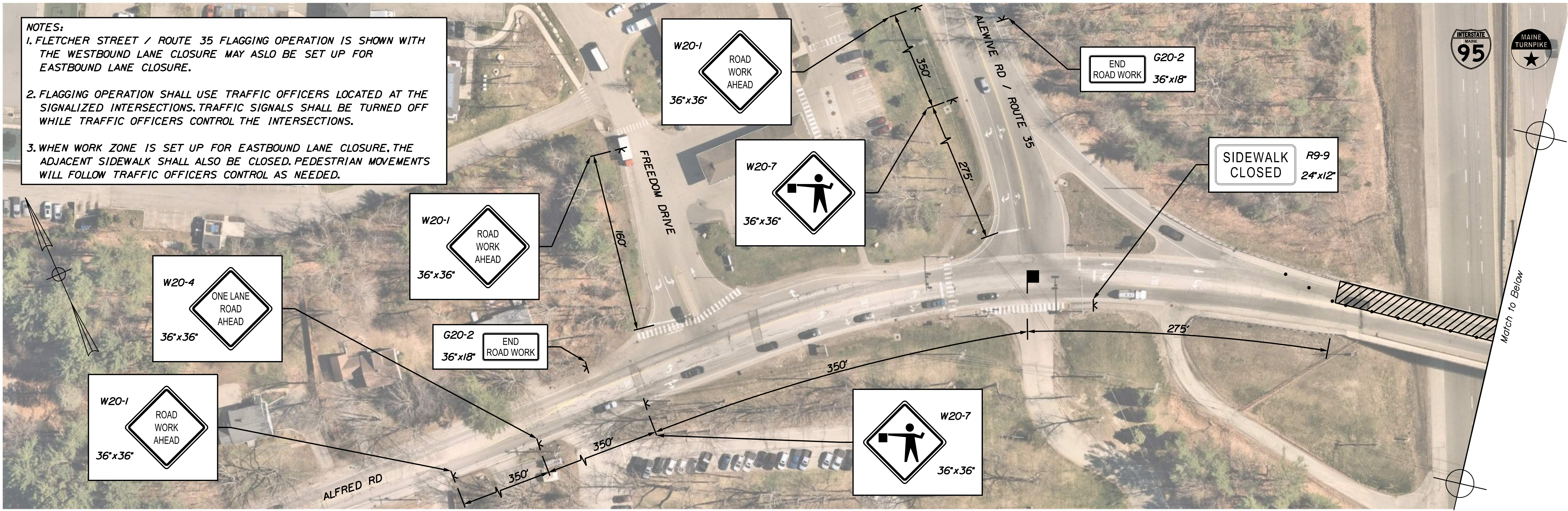
MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
 YORK INTERCHANGE UNDERPASS AT
 MM 6.80 IN YORK, ME
 SPUR ROAD RIGHT LANE CLOSURE
 TRAFFIC CONTROL PLAN (02 OF 02)

VHB: 55729.00
 CONTRACT: 2024.06

SHEET NUMBER: 10
 10 OF 18

NOTES:
 1. FLETCHER STREET / ROUTE 35 FLAGGING OPERATION IS SHOWN WITH THE WESTBOUND LANE CLOSURE. CLOSURE MAY ALSO BE SET UP FOR EASTBOUND LANE CLOSURE.
 2. FLAGGING OPERATION SHALL USE TRAFFIC OFFICERS LOCATED AT THE SIGNALIZED INTERSECTIONS. TRAFFIC SIGNALS SHALL BE TURNED OFF WHILE TRAFFIC OFFICERS CONTROL THE INTERSECTIONS.
 3. WHEN WORK ZONE IS SET UP FOR EASTBOUND LANE CLOSURE, THE ADJACENT SIDEWALK SHALL ALSO BE CLOSED. PEDESTRIAN MOVEMENTS WILL FOLLOW TRAFFIC OFFICERS CONTROL AS NEEDED.



Date: 4/23/2024


Match to Above

Filename: ...MSTA011_TCP_01.dgn



No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: G. Edington

	By	Date		By	Date
Designed	MLG	4/23/24	Checked	MDS	4/23/24
Drawn	JAR	4/23/24	In Charge of	GME	4/23/24

VANASSE HANGEN BRUSTLIN, INC.
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 Suite 105B
 South Portland, ME 04106
 TEL (207) 889-3150
 FAX (207) 253-5596



**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

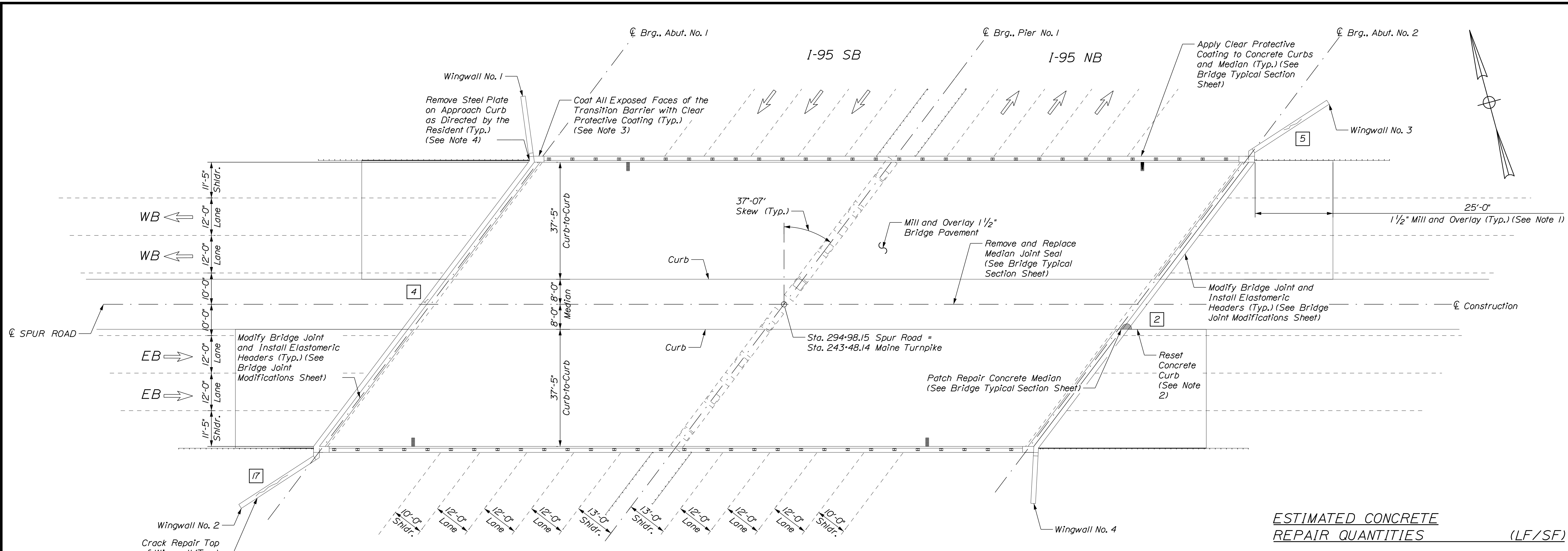
MTA PROJECT NO. 2024.06
 FLETCHER STREET/ROUTE 35 UNDERPASS
 AT MM 25.40 IN KENNEBUNK, ME
 FLAGGING
 TRAFFIC CONTROL PLAN

VHB: 55729.00
 CONTRACT: 2024.06

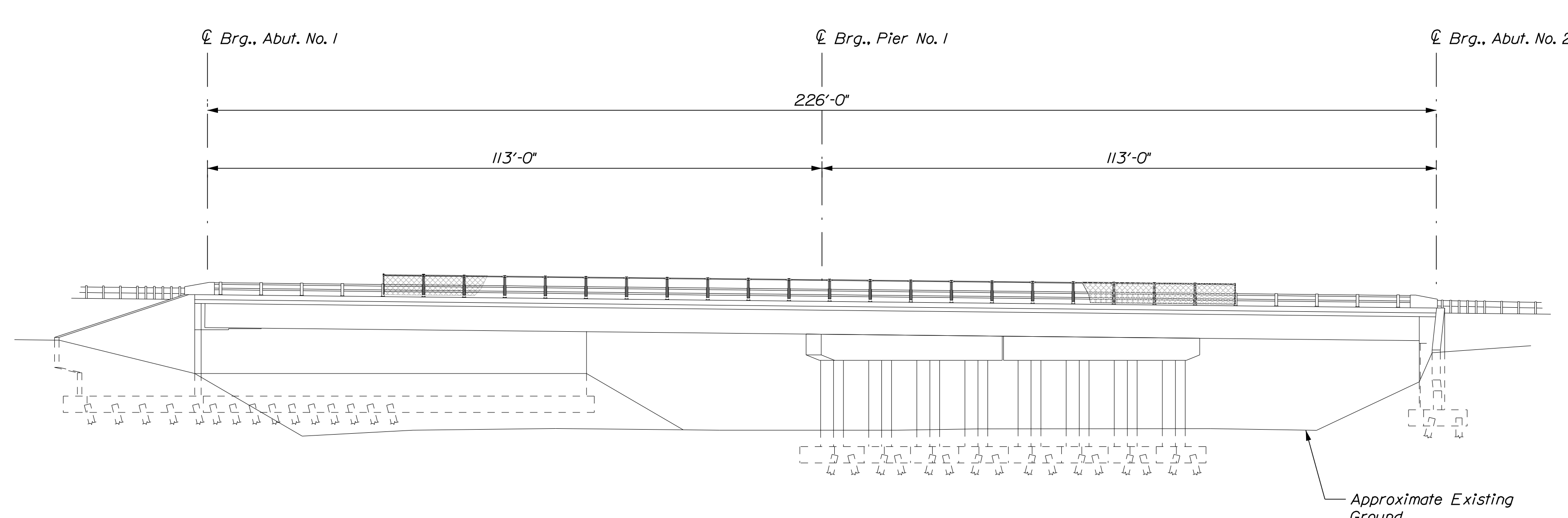
SHEET NUMBER: 11
 11 OF 18

Date: 4/23/2024

Filename: ...MSTA012_MM_6.80_plan.dgn



PLAN
Scale: 1/16" = 1'-0"



ELEVATION
Scale: 1/16" = 1'-0"

ESTIMATED CONCRETE REPAIR QUANTITIES (LF/SF)

Epoxy Injection Crack Repair	30 *
* Includes 2 LF Additional Repair Quantity As A Contingency	

- KEY**
- Limit of Crack Repair
 - # Linear Feet of Crack Repair

- NOTES**
1. Mill and pave 1 1/2" HMA. Depth of mill shall be based on string-line measurements to achieve a smooth transition between existing and approach pavement.
 2. Reset portions of granite curb as directed by the Resident. This work shall be paid for under Item 609.40, Reset Curb Type 5. See Bridge Typical Section Sheet for Details.
 3. Clear Protective Coating shall be paid for under Item 515.202 Clear Protective Coating for Concrete Surfaces.
 4. Removal of the steel plate shall be paid for under Item 518.92, Steel Curb Plate Removal (See Bridge Joint Modifications Sheet).

SHEET NOTE

1. For Concrete Repair Notes and Details see Concrete Repair Typical Details Sheet.

Scale: 1/16" = 1'-0"

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: G. Edington

	By	Date		By	Date
Designed	MFS	4/23/24	Checked	MEB	4/23/24
Drawn	MJC	4/23/24	In Charge of	GME	4/23/24

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THE GOLD STAR MEMORIAL HIGHWAY

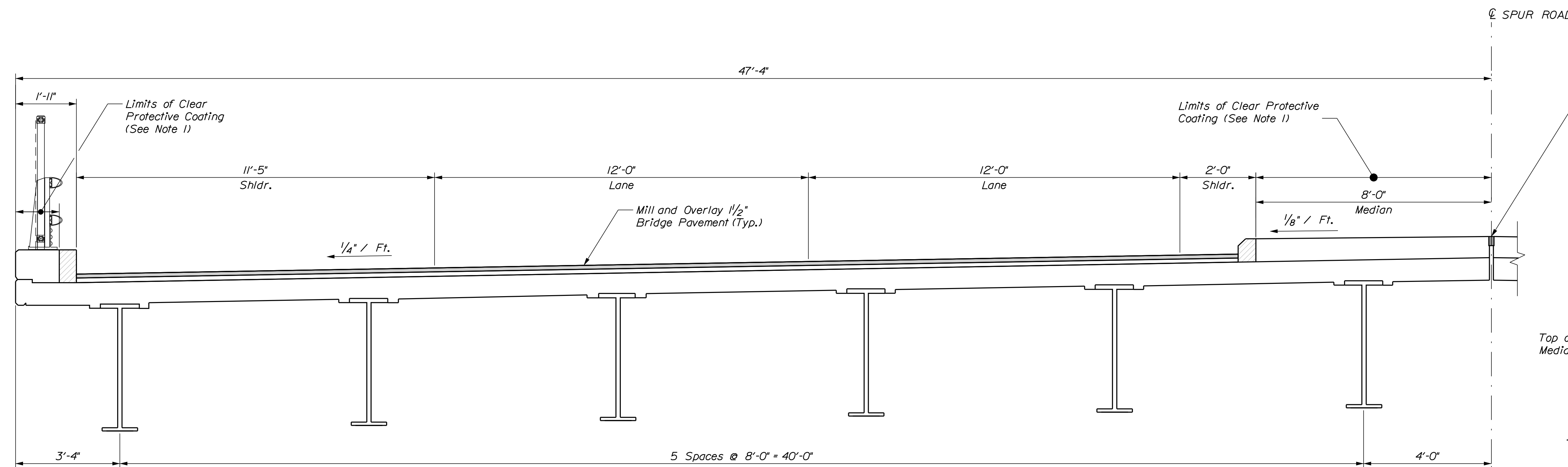
MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
YORK INTERCHANGE UNDERPASS AT
MM 6.80 IN YORK, ME
BRIDGE PLAN AND ELEVATION

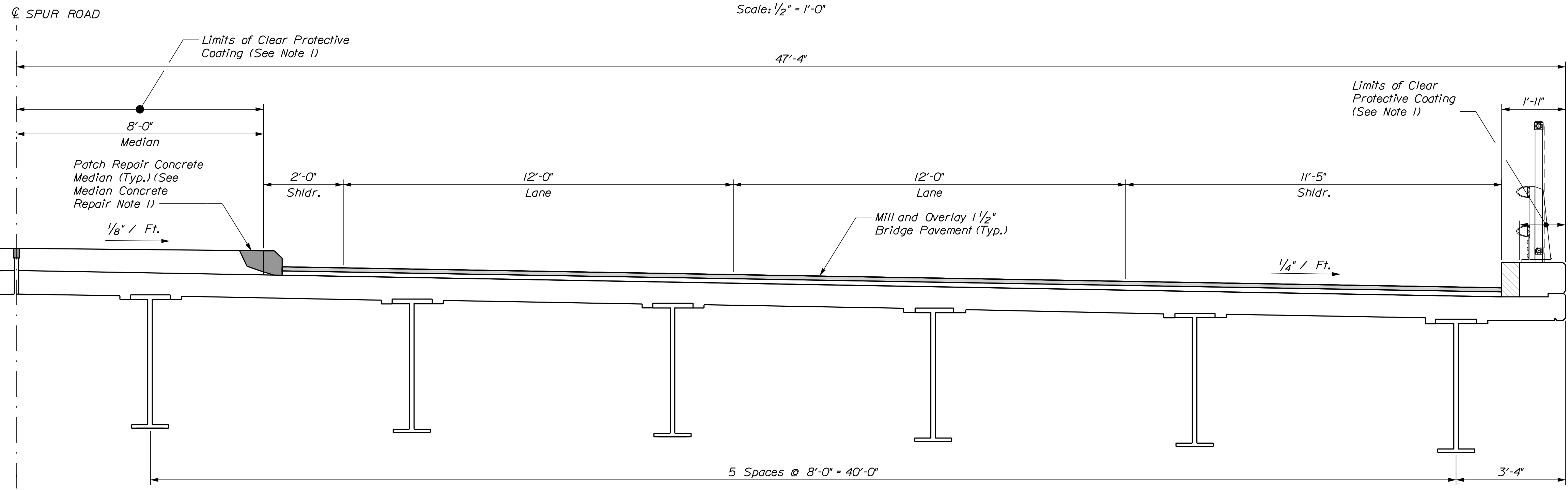
VHB: 55729.00
CONTRACT: 2024.06

SHEET NUMBER: 12
12 OF 18

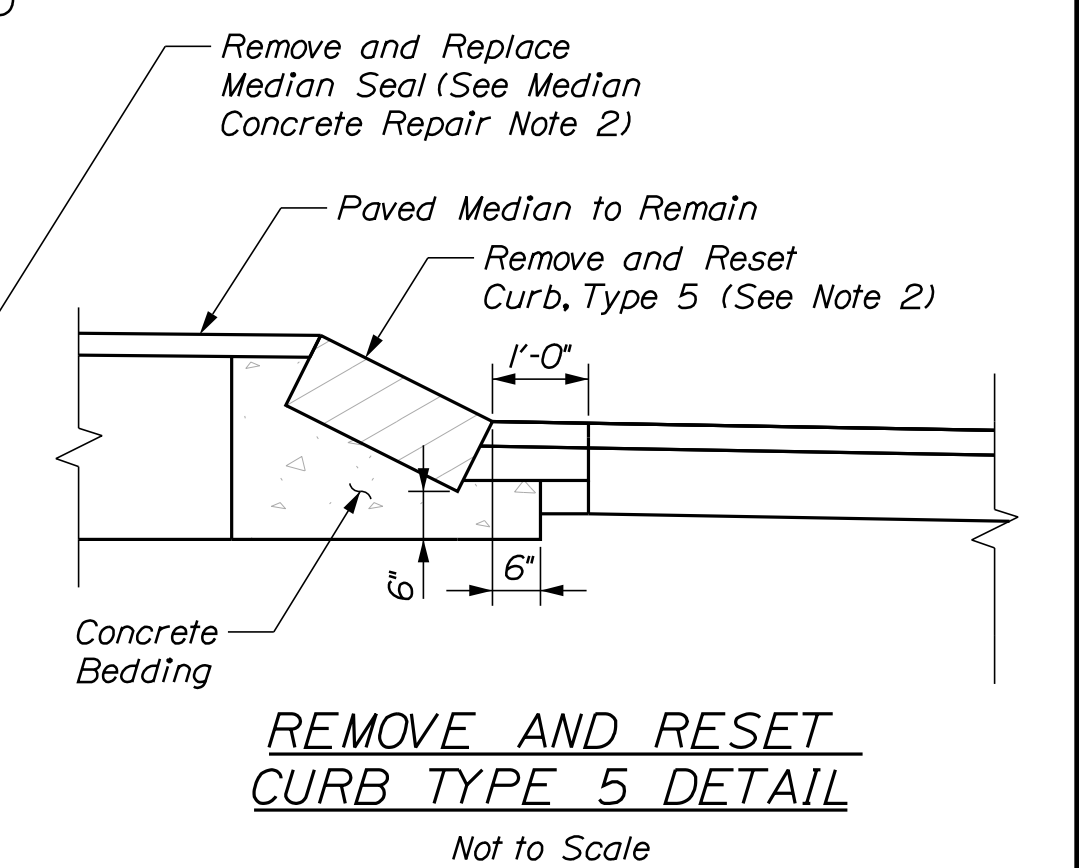
Date: 4/23/2024



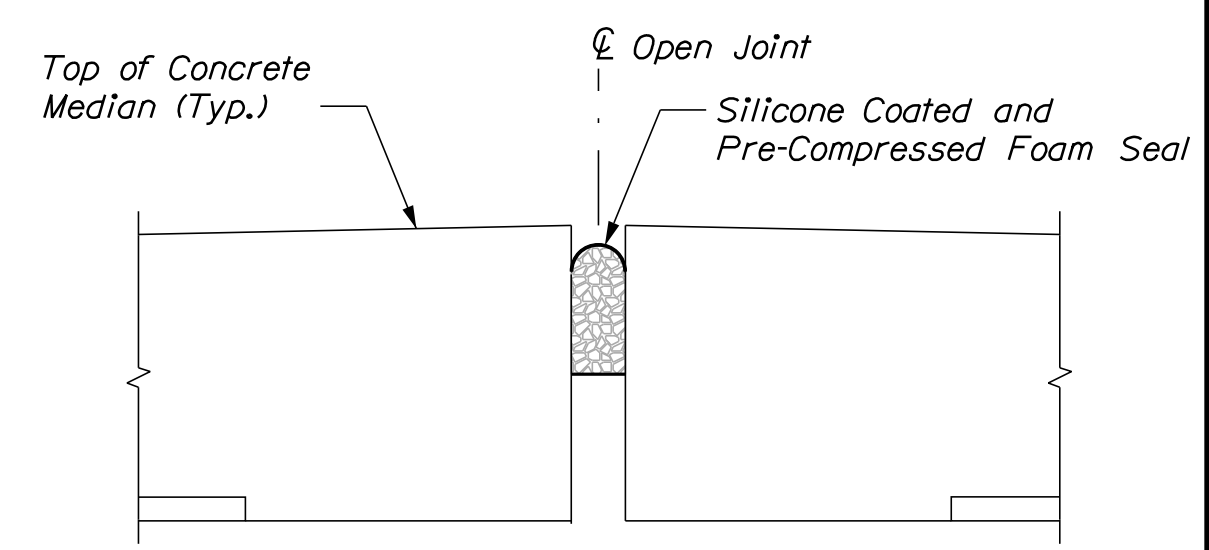
WESTBOUND BRIDGE TYPICAL SECTION
Scale: 1/2" = 1'-0"



EASTBOUND BRIDGE TYPICAL SECTION
Scale: 1/2" = 1'-0"



REMOVE AND RESET CURB TYPE 5 DETAIL
Not to Scale



MEDIAN JOINT DETAIL
Not to Scale

MEDIAN CONCRETE REPAIR NOTES

1. Median concrete repairs shall be paid under 518.864, Elastomeric Header Repair.
2. Median seal replacement shall be paid under item 520.234 Expansion Device - Silicone Coated and Pre-Compressed Seal.
3. Prior to blasting the surfaces to receive the Silicone Coated and Pre-Compressed Seal, the Contractor shall seal the opening with a backer rod and take care to ensure that no material falls onto the travel lanes below the bridge. After blasting, the Contractor shall vacuum the grit and remove the backer rod prior to placing the proposed Silicone Coated and Pre-Compressed Seal. This work shall be incidental to Item 520.234, Expansion Device - Silicone Coated and Pre - Compressed Seal.

NOTES

1. Clear Protective Coating Shall be Paid Under Item 515.202 Clear Protective Coating for Concrete Surfaces. The Contractor shall prevent any Clear Protective Coating from dripping on to the fascia.
2. Reset portions of the granite curb as directed by the Resident. This work shall be paid for under Item 609.40 Reset Curb Type 5. See Special Provision 609 for additional information.

SHEET NOTE

1. For Concrete Repair Notes and Details see Concrete Repair Typical Details Sheet.

Scale:

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: G. Edington			
	By	Date	
Designed	MFS	4/23/24	Checked MEB 4/23/24
Drawn	MJC	4/23/24	In Charge of GME 4/23/24

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
YORK INTERCHANGE UNDERPASS AT
MM 6.80 IN YORK, ME
BRIDGE TYPICAL SECTION

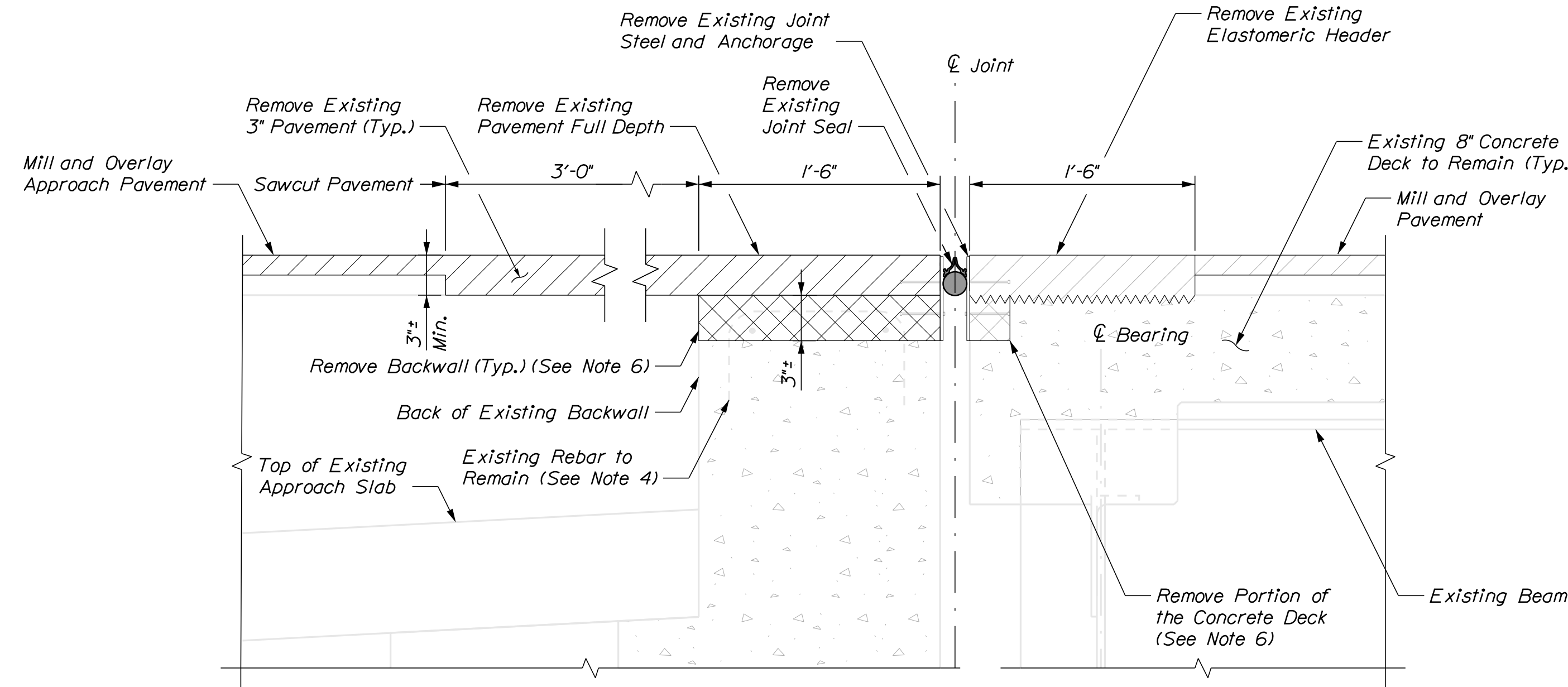
VHB: 55729.00
CONTRACT: 2024.06

SHEET NUMBER: 13
13 OF 18

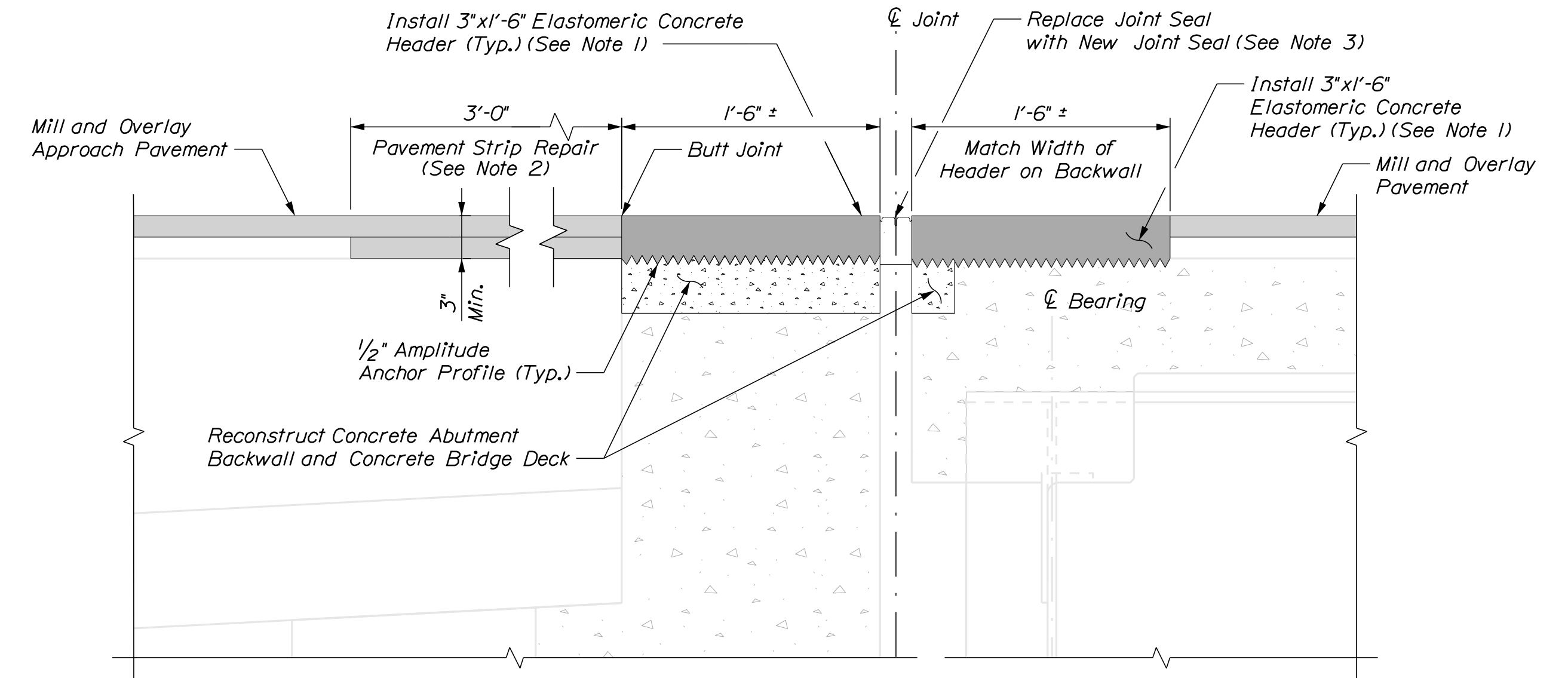
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Date: 4/23/2024

Filename: ...MSTA\014_MM_6.80_joint_mod.dgn



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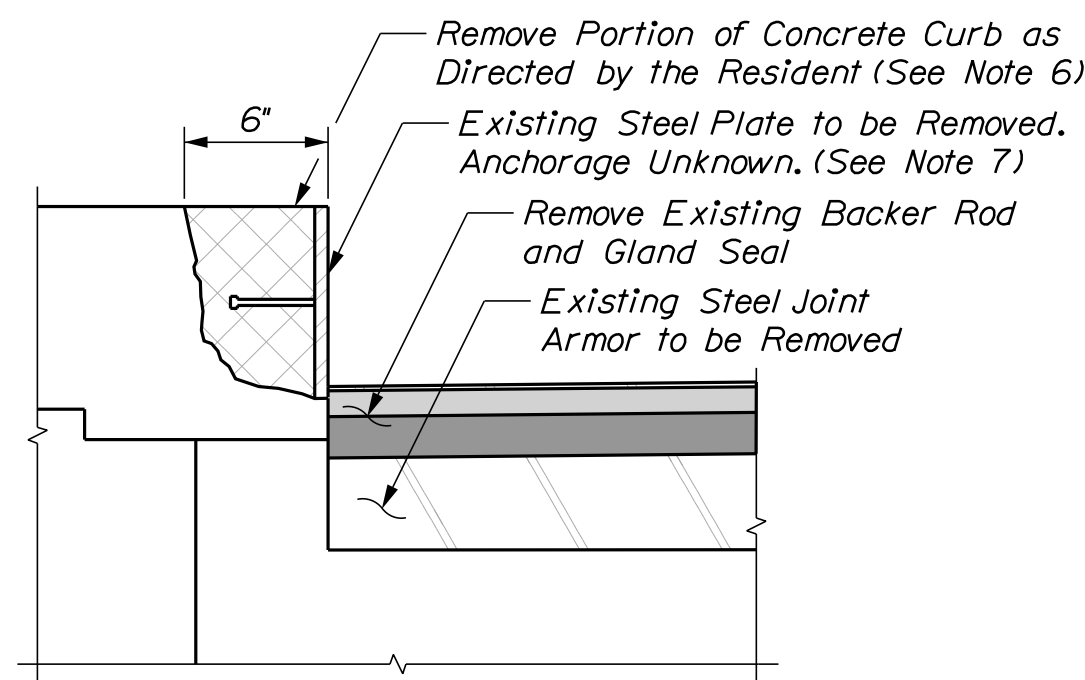


PROPOSED BRIDGE JOINT

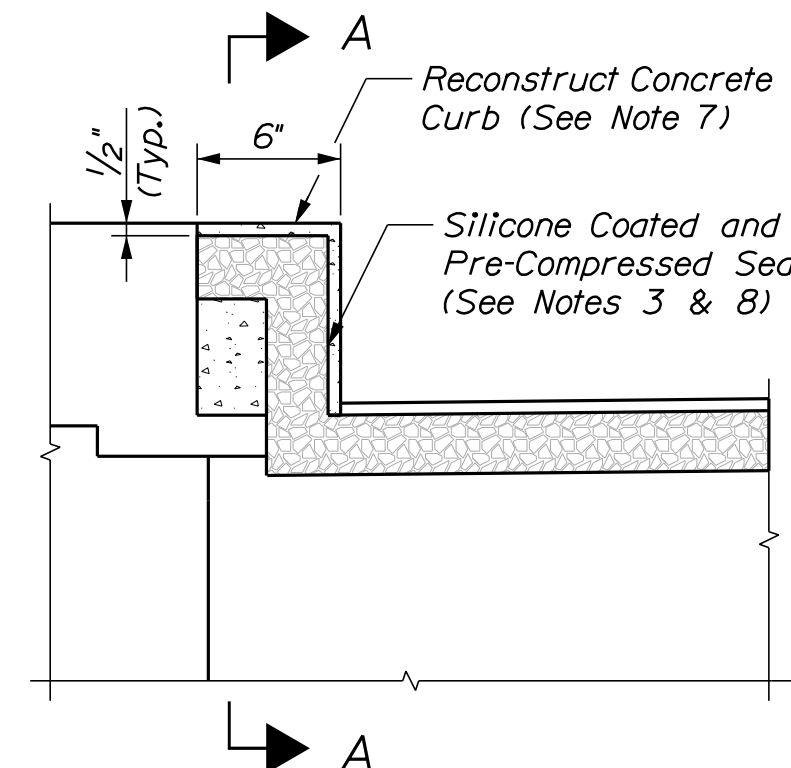
BRIDGE JOINT MODIFICATION
 Not to Scale



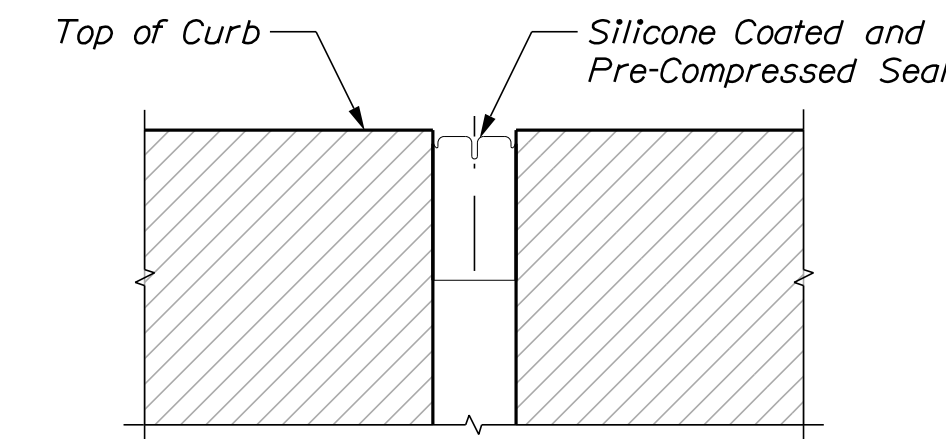
STEEL CURB PLATE ELEVATION
 Not to Scale



EXISTING JOINT DETAIL
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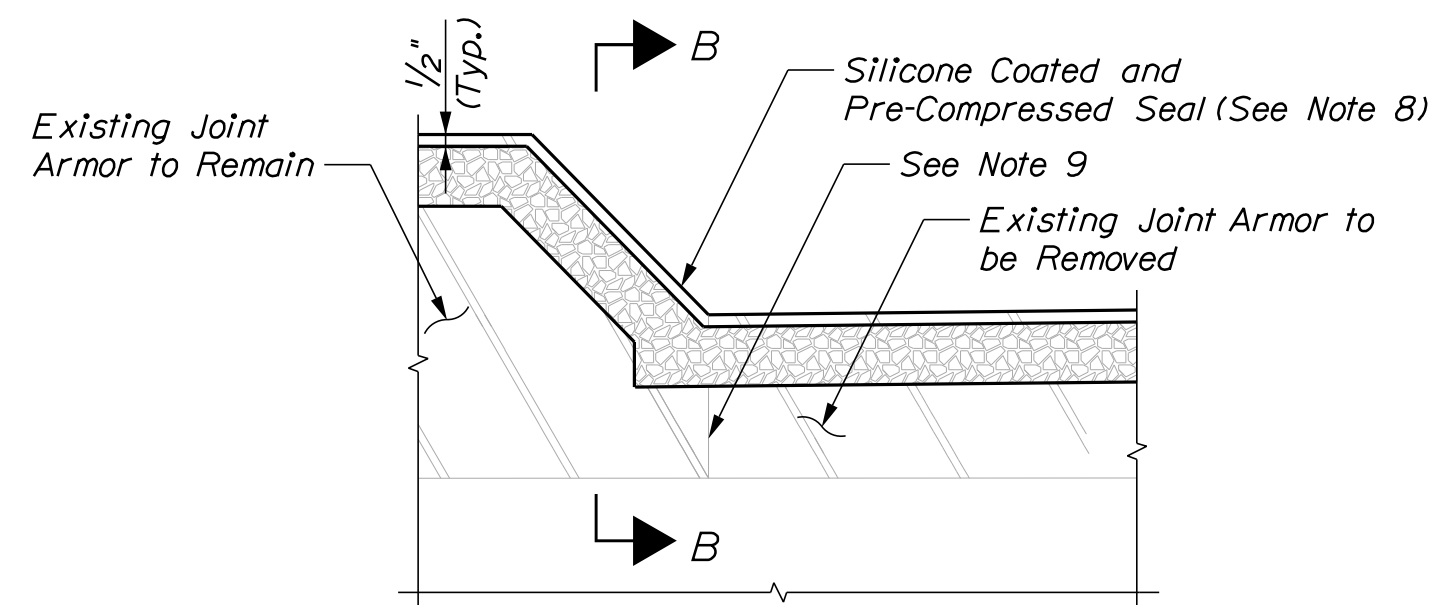


PROPOSED JOINT DETAIL
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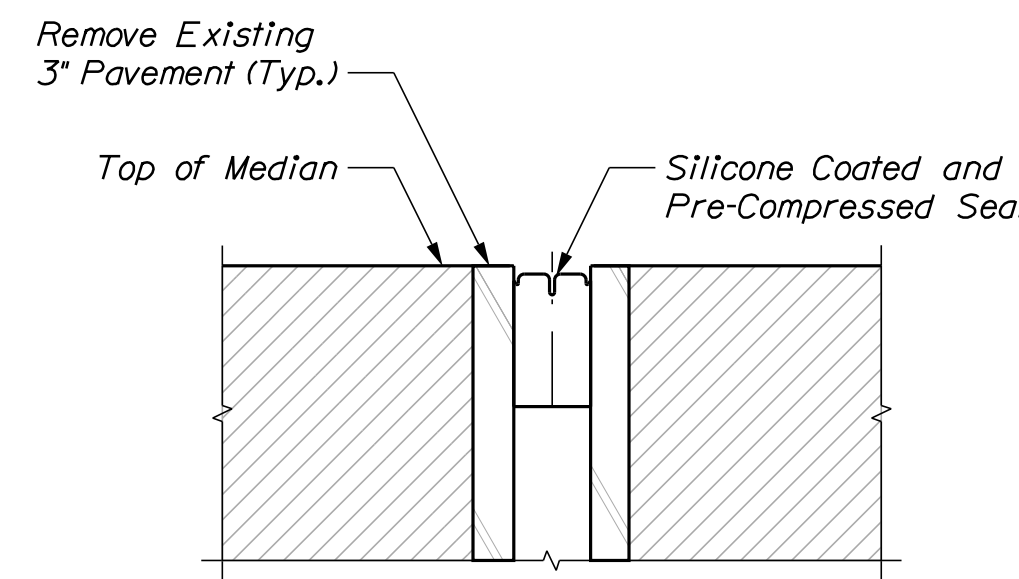


SECTION A-A
 Not to Scale

FASCIA CURB DETAIL
 Not to Scale



JOINT DETAIL
 Not to Scale



SECTION B-B
 Not to Scale

MEDIAN CURB DETAIL
 Not to Scale

NOTES

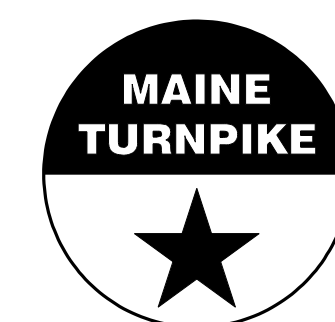
- Elastomeric Concrete Header shall be paid under Item 518.864 Elastomeric Concrete Header Repair. Prior to placing the elastomeric concrete, the Contractor shall remove any areas of concrete required to remove the existing joint armor. The depth of the existing joint armor is unknown and assumed to be 6". If additional areas of deteriorated concrete need to be removed, removal shall be done in accordance with Supplemental Specification Section 518 and as directed by the Resident. If repairs to the top of the backwall are needed, the Contractor shall repair with AAA concrete at the direction of the Resident and paid under Item 518.101, Abutment Repair.
- Pavement Strip Repair shall be paid under Item 403.208 Hot Mix Asphalt 12.5mm Nominal Maximum Size.
- Silicone Coated and Pre-Compressed Seal shall be included in Item 520.922, Bridge Joint Modification (York Interchange Underpass).
- Existing rebar in abutment backwall shall be cleaned and straightened prior to placing new concrete. Install new reinforcing steel, as required. See Supplemental Specification 518.
- Sawcut 1" deep along all limits of removal.
- Chip concrete as specified in Supplemental Specification 518. If the removal limits change during the demolition 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.
- Contractor shall remove steel plates covering the bridge joint at the curb, as well as any associated anchorage. Steel plate anchorage at the curbs are unknown. Contractor shall remove and replace the concrete curb to the limits of the anchorage or as directed by the Resident. Existing curb reinforcing shall be retained, cleaned and straightened prior to placing new concrete. Concrete curbs shall be repaired using AAA concrete. All work associated with removing the steel plates shall be paid for under Item 518.96, Steel Curb Plate Removal.
- Median curb seal shall extend the full length of the median.
- At the median, cut the existing joint steel armor at the curb when removing the deck end and backwall concrete. The joint armor in the median shall remain.

Scale: NOT TO SCALE

Designed by:



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THE GOLD STAR
 MEMORIAL HIGHWAY

MTA PROJECT NO. 2024.06
 YORK INTERCHANGE UNDERPASS AT
 MM 6.80 IN YORK, ME
 BRIDGE JOINT MODIFICATIONS

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: G. Edington			
	By	Date	
	MFS	4/23/24	
	Checked	MEB	4/23/24
	By	Date	
	Drawn	TSR	4/23/24
	In Charge of	GME	4/23/24

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

VHB: 55729.00

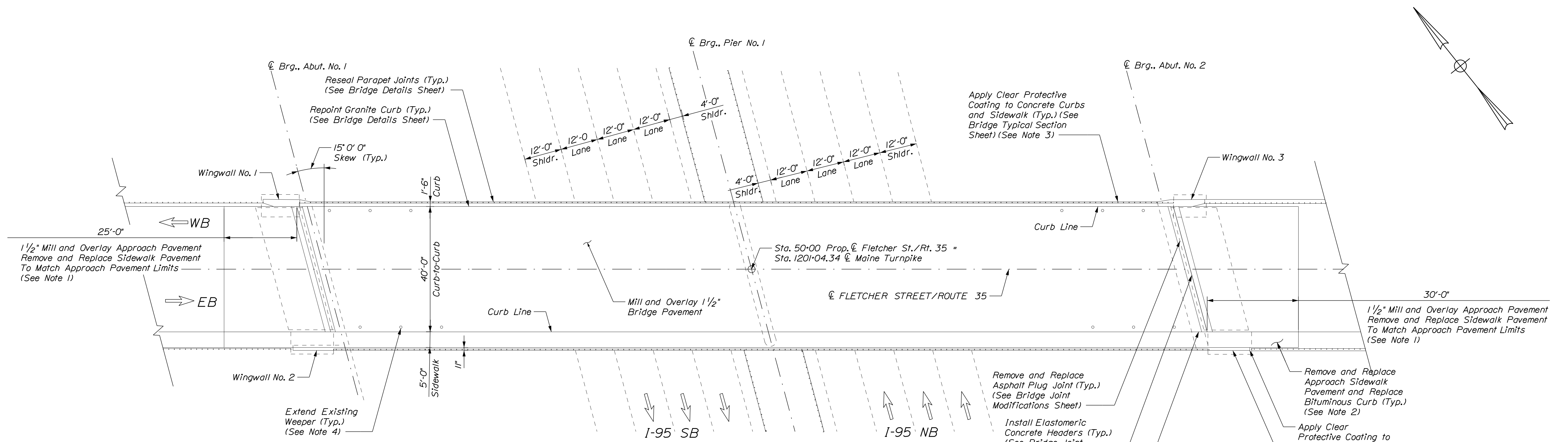
CONTRACT: 2024.06

SHEET NUMBER: 14

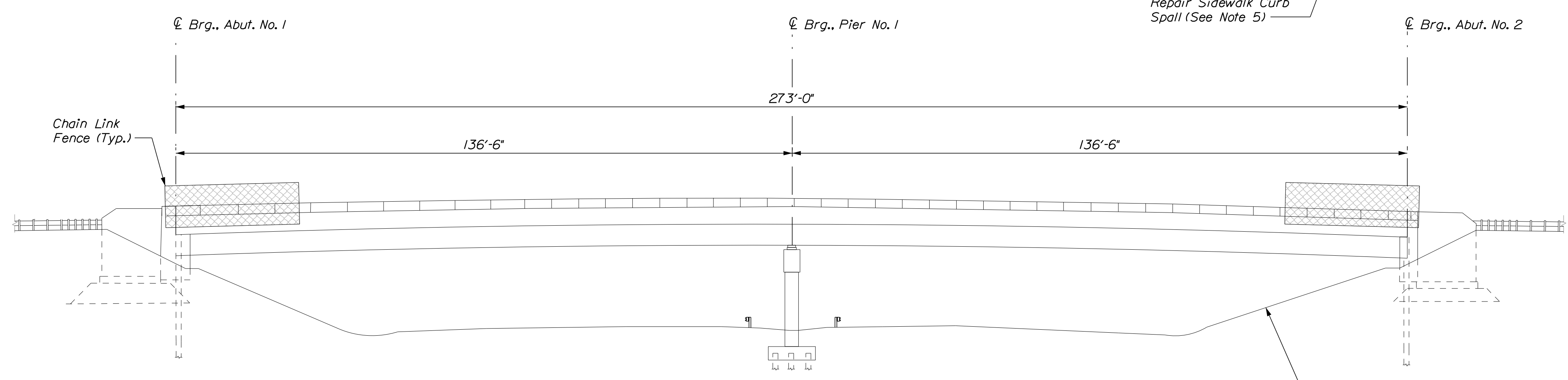
14 OF 18

Date: 4/23/2024

Filename: ...MSTA015_MM_25.30_plan.dgn



PLAN
Scale: 1/16" = 1'-0"



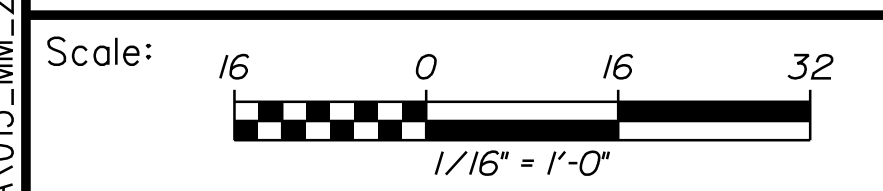
ELEVATION
Scale: 1/16" = 1'-0"

NOTES

1. Mill and pave 1 1/2" HMA. Depth of mill shall be based on string-line measurements to achieve a smooth transition between existing and approach pavement.
2. Replace portions of bituminous pavement sidewalk and curb as directed by the Resident. This work shall be paid under Item 403.209 Hot Mix Asphalt, 9.5mm Nominal Maximum Size - Incidentals, and Item 609.31, Curb Type 3 (Mold 1), respectively.
3. Clear Protective Coating shall be paid under Item 515.202, Clear Protective Coating for Concrete Surfaces.
4. Extending existing weepers shall be paid for under Item 502.11, Weep Drain Extensions. See Miscellaneous Repair Details Sheet.
5. Repair sidewalk curb spill with Elastomeric Concrete as directed by the Resident. Sidewalk curb repair shall be paid under Item 518.864 Elastomeric Header Repair.

SHEET NOTE

1. See Bridge Typical Section Sheet for Approach Sidewalk Typical Section.



Designed by:



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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT NO. 2024.06
**FLETCHER STREET/ROUTE 35 UNDERPASS
AT MM 25.40 IN KENNEBUNK, ME
BRIDGE PLAN AND ELEVATION**

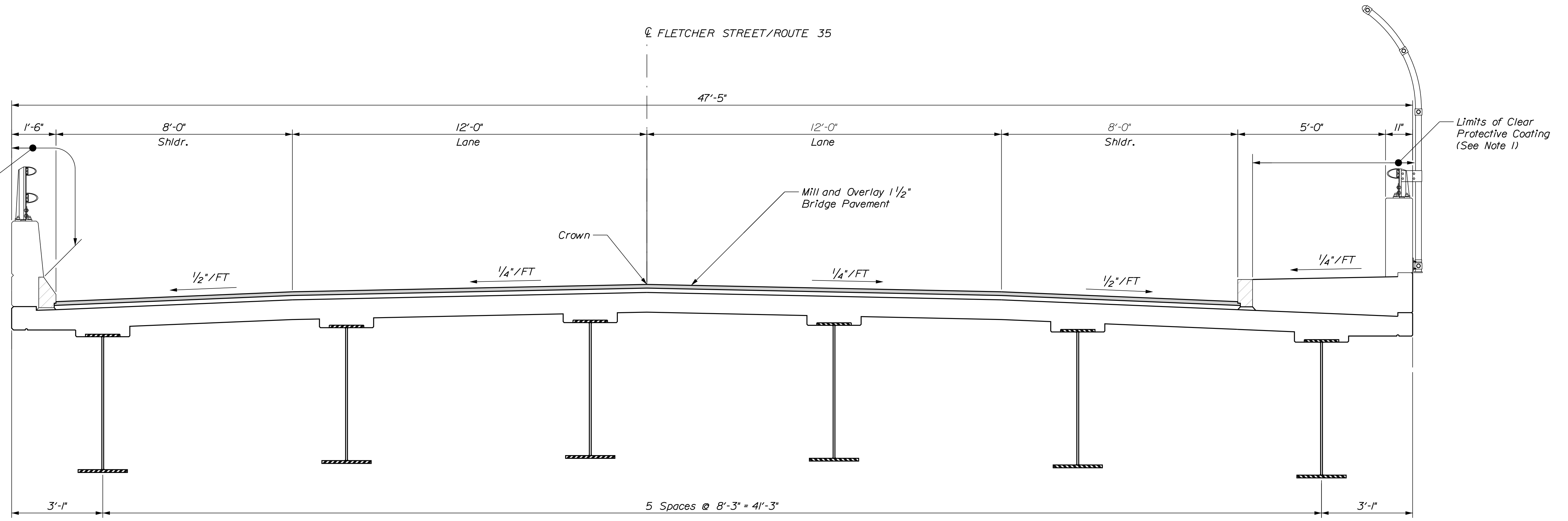
No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: G. Edington			
	By	Date	
Designed	MFS	4/23/24	Checked MEB 4/23/24
Drawn	MJC	4/23/24	In Charge of GME 4/23/24

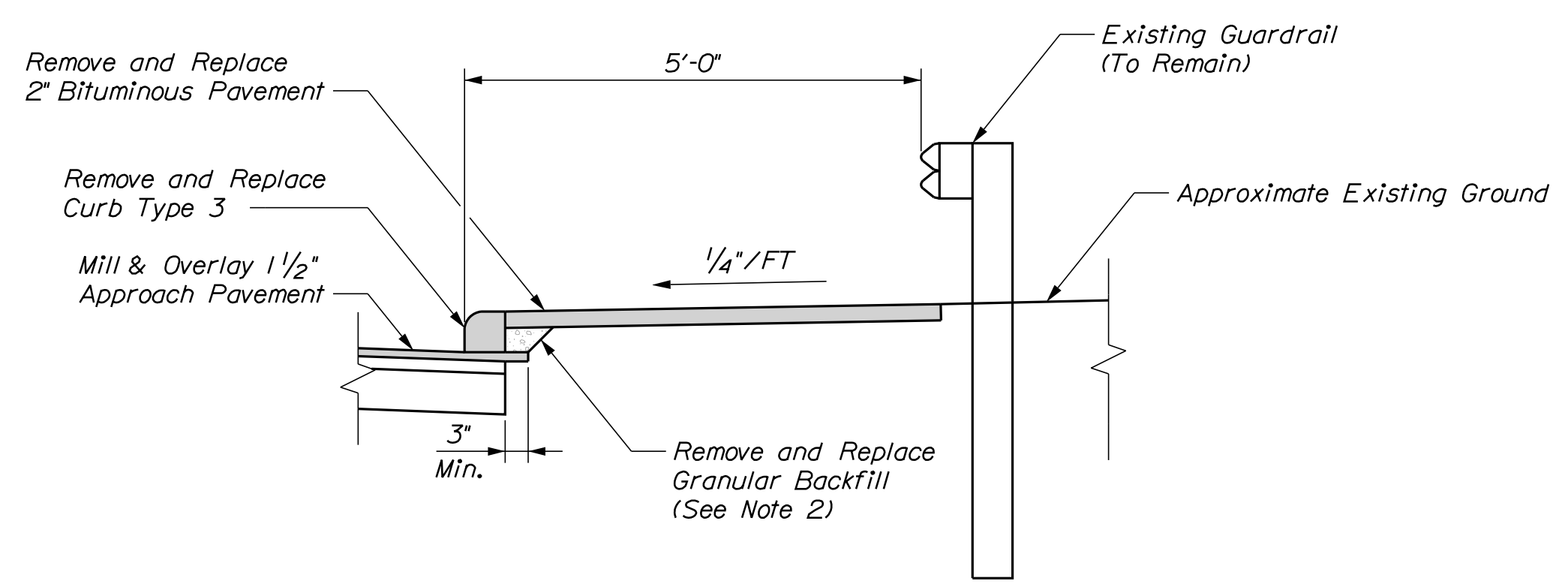
MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

Date: 4/23/2024

Filename: ...MSTA\016_MM_25.30_typical.dgn



BRIDGE TYPICAL SECTION
Scale: 1/2"=1'-0"



APPROACH SIDEWALK TYPICAL SECTION
Scale: 1/2"=1'-0"

- NOTES**
1. Clear Protective Coating shall be Paid Under Item 515.202 Clear Protective Coating for Concrete Surfaces. The Contractor shall prevent any Clear Protective Coating from dripping on to the fascia.
 2. Remove and Replace Granular Backfill as Directed by the Resident. All costs associated with this work shall be incidental to Item 609.31 Curb Type 3 (Mold 1)

Scale:

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: G. Edington

	By	Date	Checked	By	Date
Designed	MFS	4/23/24	Checked	MEB	4/23/24
Drawn	TSR	4/23/24	In Charge of	GME	4/23/24

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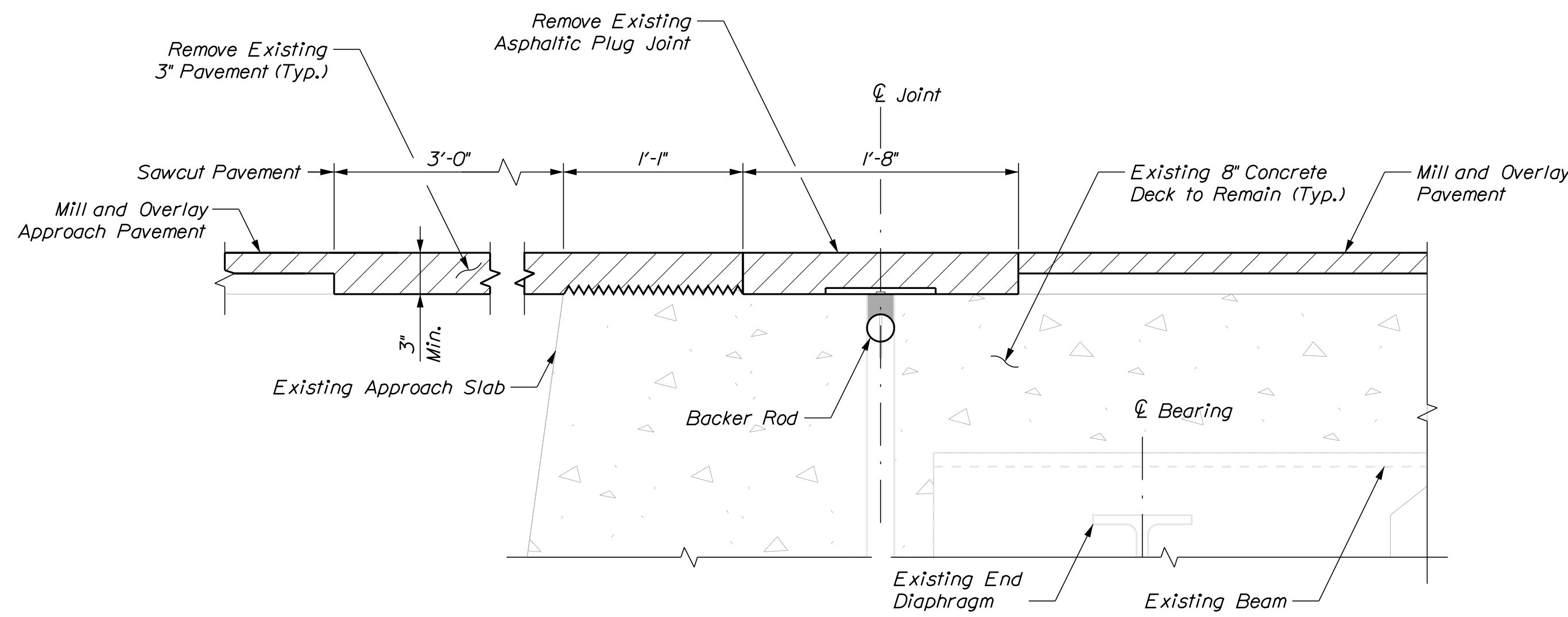
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

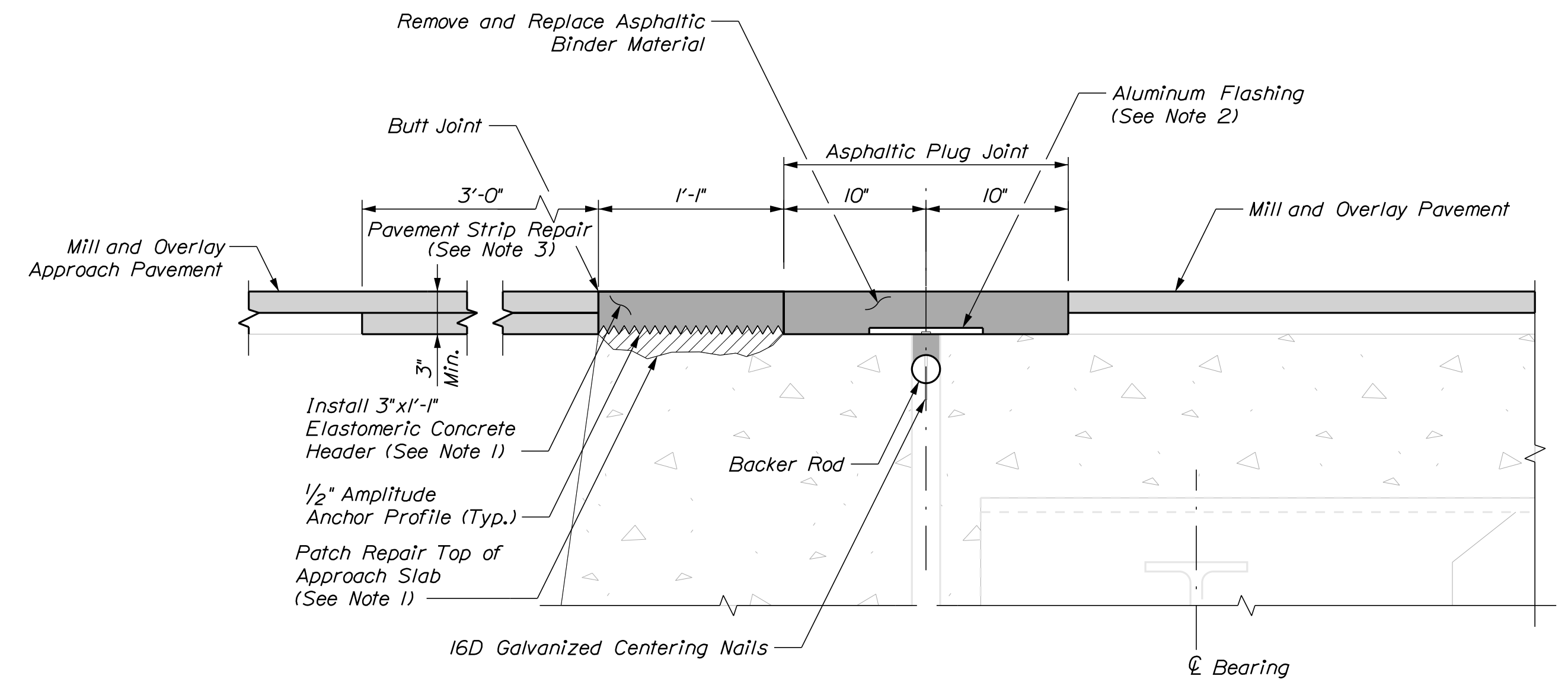
MTA PROJECT NO. 2024.06
FLETCHER STREET/ROUTE 35 UNDERPASS
AT MM 25.40 IN KENNEBUNK, ME
BRIDGE TYPICAL SECTION

VHB: 55729.00 SHEET NUMBER: 16
CONTRACT: 2024.06 16 OF 18

Date: 4/23/2024

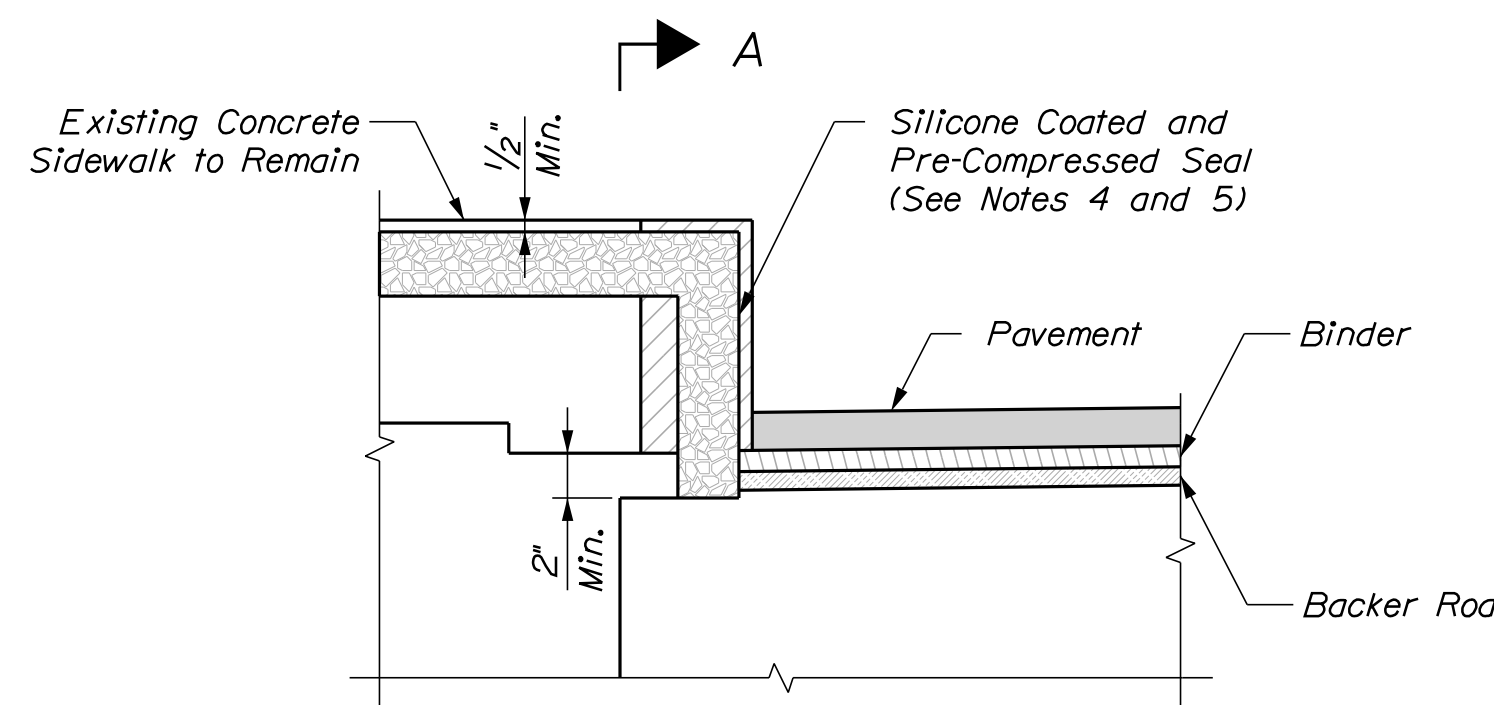


EXISTING BRIDGE JOINT

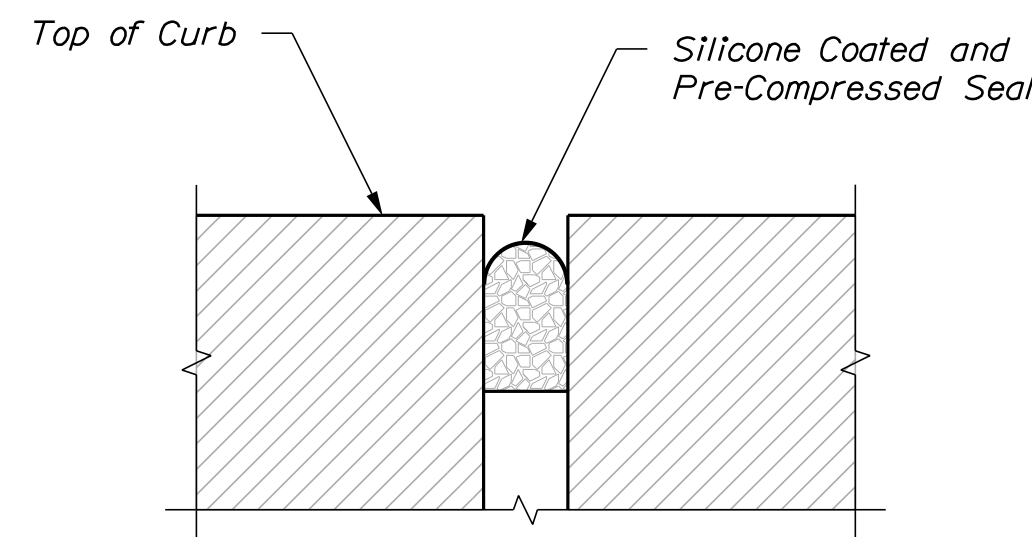


PROPOSED BRIDGE JOINT

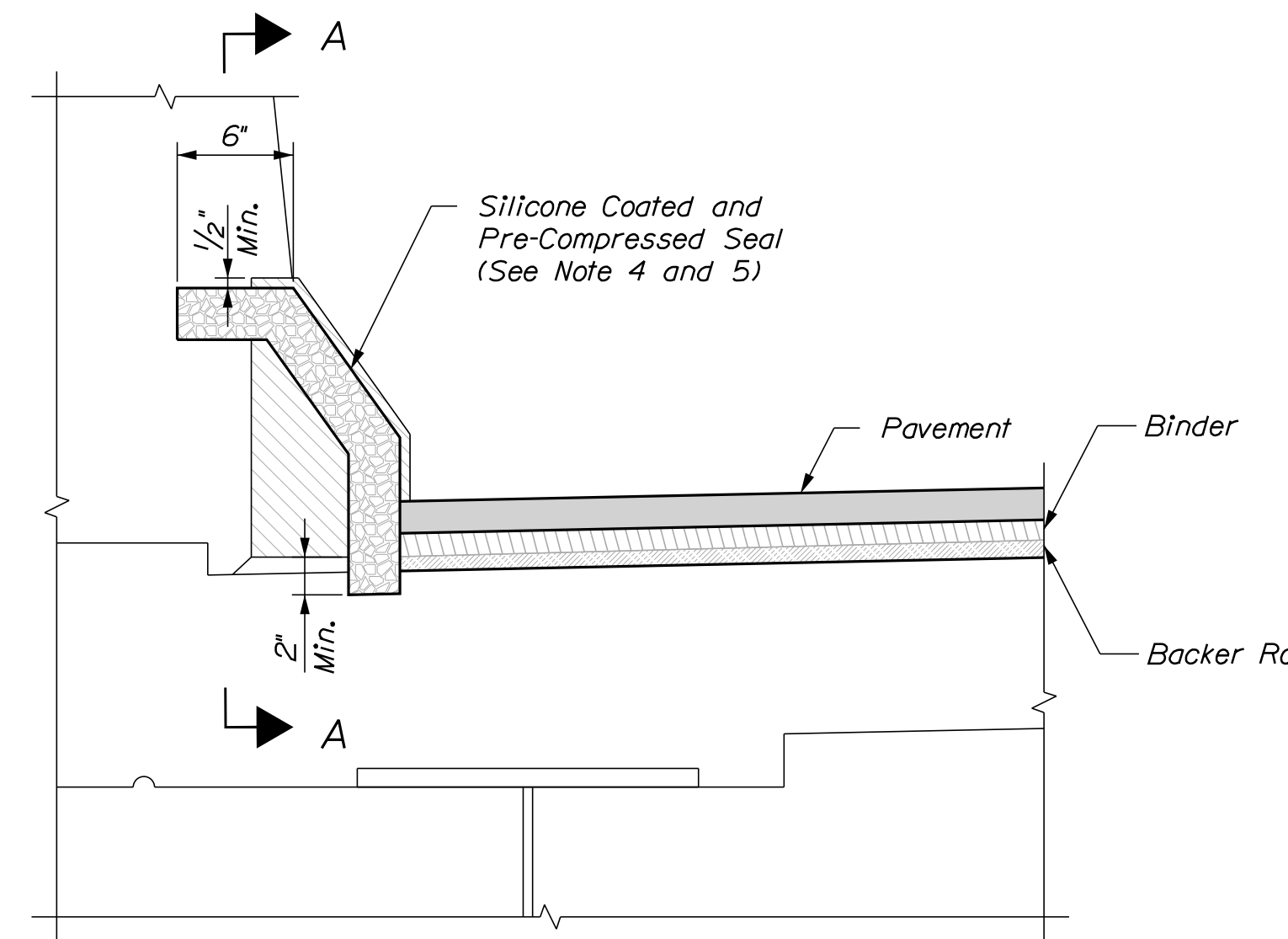
BRIDGE JOINT MODIFICATION
Not to Scale



JOINT DETAIL AT SIDEWALK
Not to Scale



SECTION A-A
Not to Scale



JOINT DETAIL AT PARAPET
Not to Scale

NOTES

- Elastomeric Concrete Header shall be paid under Item 518.864 Elastomeric Concrete Header Repair. Prior to placing the elastomeric concrete, the Contractor shall remove any areas of deteriorated concrete in accordance with Supplemental Specification Section 518 and as directed by the Resident. If repairs to the top of the approach slab are needed, the Contractor shall repair with elastomeric concrete and repairs shall be paid under Item 518.864 Elastomeric Concrete Header Repair. If repair depth is greater than 3" below the header, the repairs may be done with AAA concrete at the direction of the Resident and paid under Item 518.101, Abutment Repairs. Abutment Repair quantity is based on an average depth of 3" for additional repairs below the elastomeric header.
- Aluminum Flashing shall be incidental to Item 520.23 Asphaltic Plug Joint.
- Pavement Strip Repair shall be paid under Item 403.208 Hot Mix Asphalt 12.5mm Nominal Maximum Size.
- Silicone Coated and Pre-Compressed Seal shall be in accordance with Special Provision 520, Expansion Devices, Non-Modular, Silicone Coated and Pre-compressed Seal. Payment shall be incidental to Item 520.23, Asphaltic Plug Joint.
- After the installation of the asphaltic plug joint system, the bonded Silicone Coated and Pre-Compressed Seal shall be installed in the curbs as shown on the plans and as recommended by the manufacturer. Sidewalk seal shall extend the full width of the sidewalk.
- The Contractor shall place and secure steel plates over the joint after the existing pavement and joint binder material have been removed and before the proposed elastomeric concrete and joint binder material has been placed. See Special Provision 518 for additional requirements.

Filename: ... \017_MM_25.30_joint_mod.dgn

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:						
CONSULTANT PROJECT MANAGER: G. Edington						
	By	Date		By	Date	
	MFS	4/23/24		MEB	4/23/24	
	Drawn	TSR	4/23/24	In Charge of	GME	4/23/24

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**THE GOLD STAR
MEMORIAL HIGHWAY**

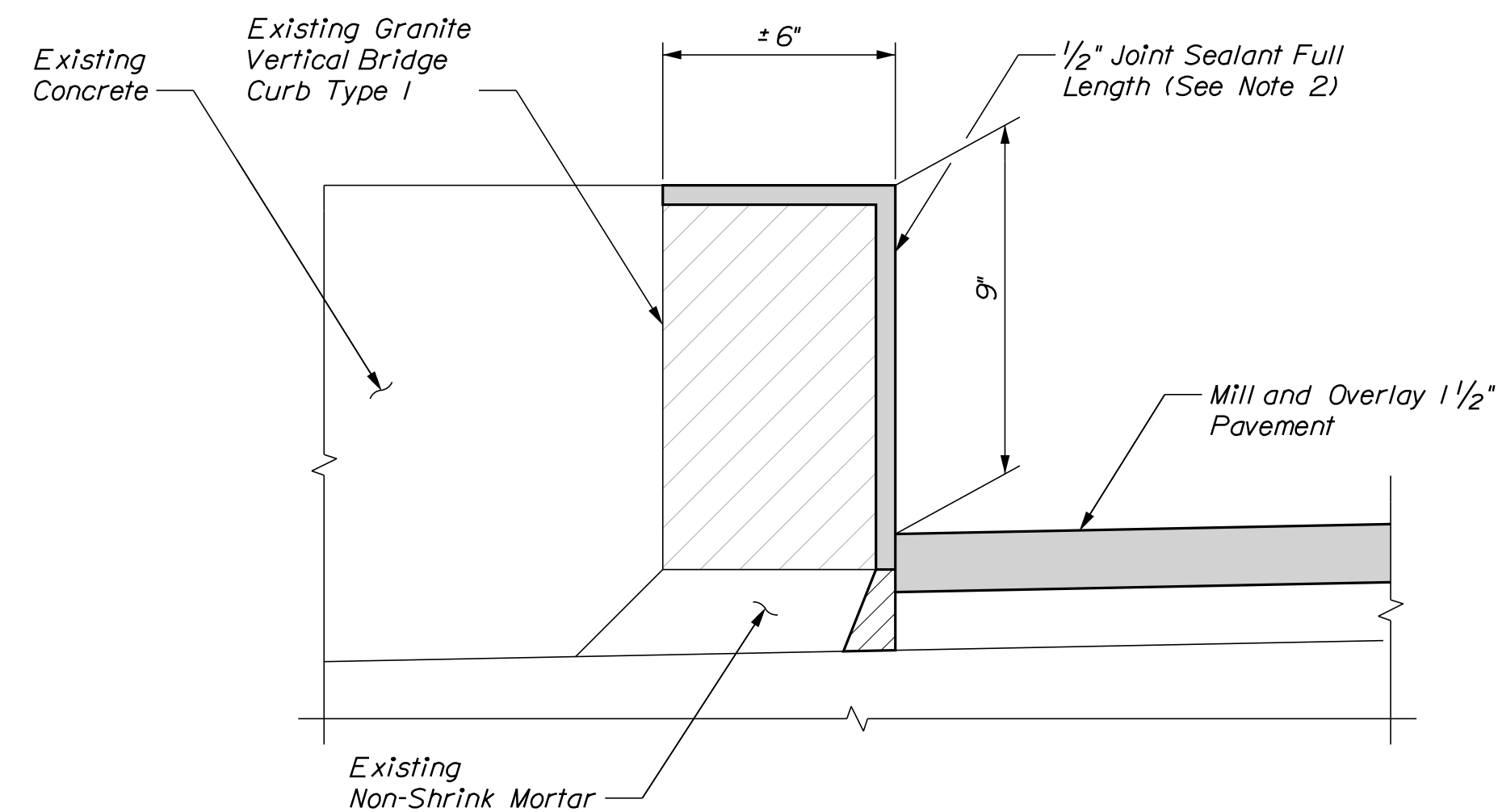
MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
FLETCHER STREET/ROUTE 35 UNDERPASS
AT MM 25.40 IN KENNEBUNK, ME
BRIDGE JOINT MODIFICATIONS

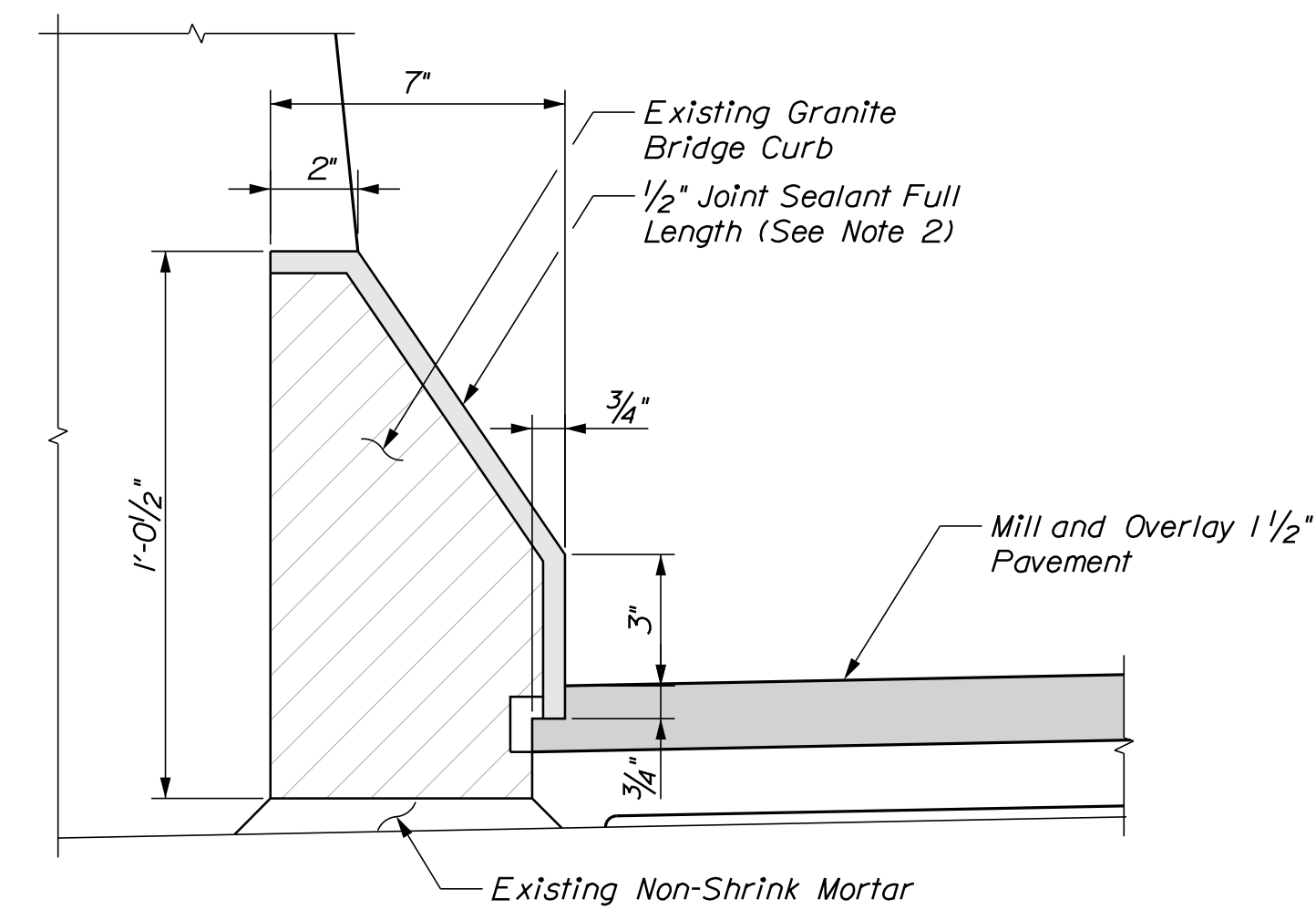
VHB: 55729.00 SHEET NUMBER: 17
CONTRACT: 2024.06 17 OF 18

Date: 4/23/2024

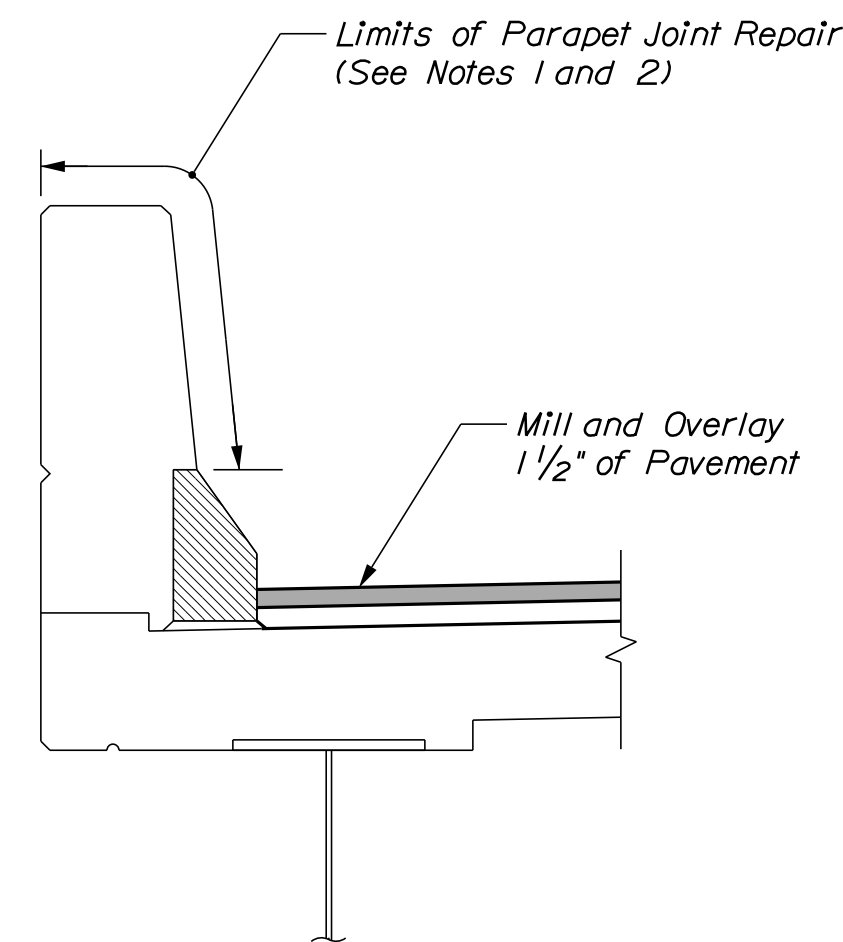
Filename: ... \018_MM_25.30_bridge_details.dgn



EXISTING GRANITE CURB DETAIL - SIDEWALK
Not to Scale



GRANITE CURB DETAIL - PARAPET
Not to Scale



PARAPET DETAIL
(Bridge Rail not Shown for Clarity)
Not to Scale

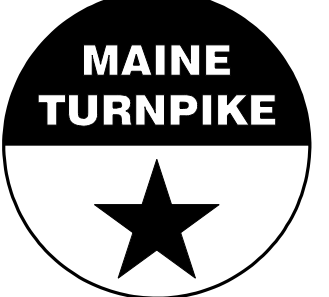
NOTES

1. Repair parapet joints as directed by the Resident. Joint sealant shall be from MaineDOT Qualified Product List for Silicone and Polyurethane Joint Sealant. Work shall be paid for under Item 518.48 Reseal Joints.
2. Joint Sealant shall be a material from the Maine DOT approved products list as approved by the resident. Joint Sealant shall be incidental to Item 518.391 Repair Granite Curb Joint and Bedding Mortar.

Scale: Not to Scale			
No.	Revision	By	Date

Designed by:					
CONSULTANT PROJECT MANAGER: G. Edington					
	By	Date		By	Date
Designed	MFS	4/23/24	Checked	MEB	4/23/24
Drawn	MJC	4/23/24	In Charge of	GME	4/23/24

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ryan Barnes, PE, CPESC

MTA PROJECT NO. 2024.06
FLETCHER STREET/ROUTE 35 UNDERPASS
AT MM 25.40 IN KENNEBUNK, ME
MISCELLANEOUS DETAILS

VHB: 55729.00 SHEET NUMBER: 18
CONTRACT: 2024.06 18 OF 18