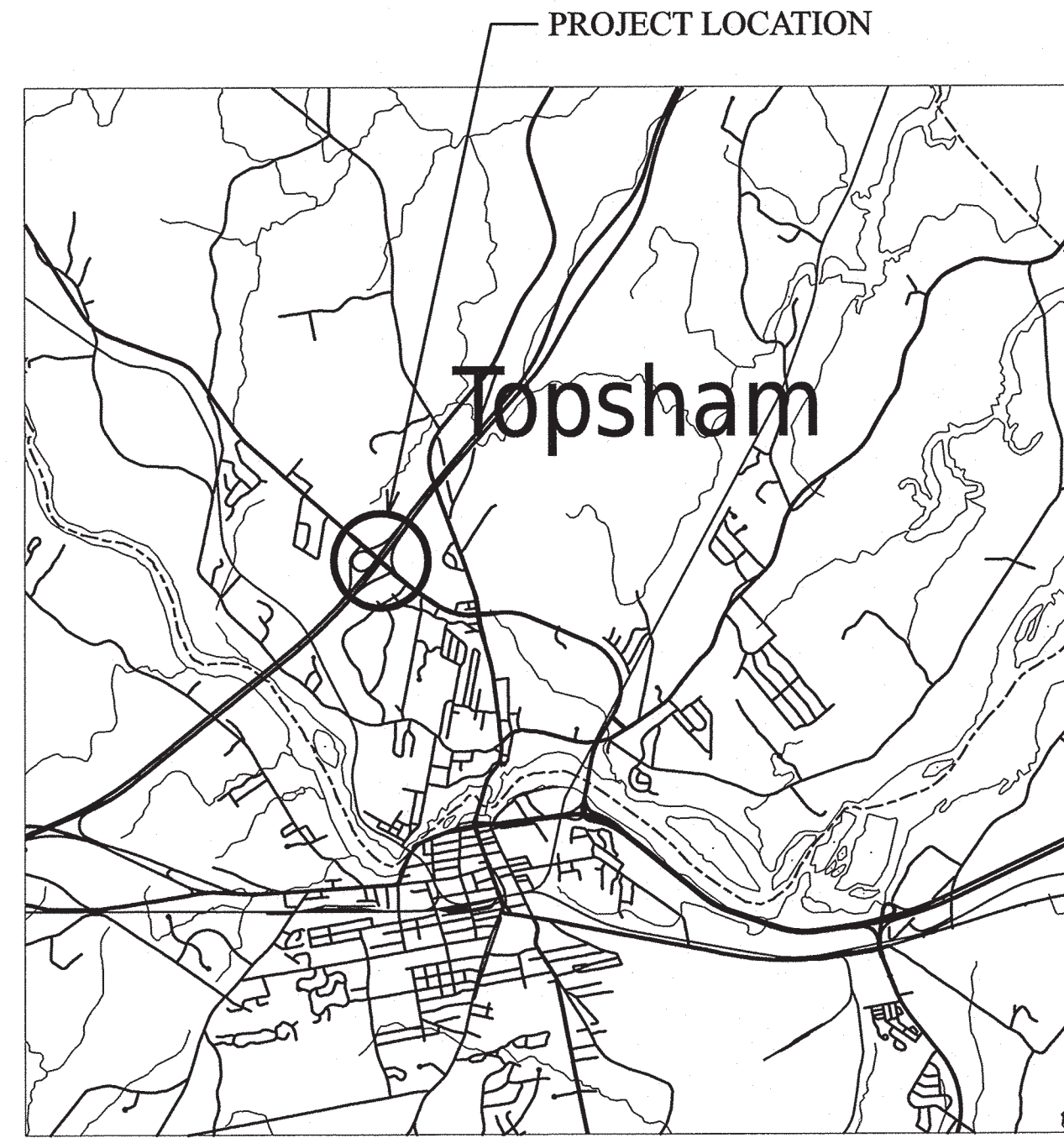


STATE OF MAINE DEPARTMENT OF TRANSPORTATION



Topsham Sagadahoc County State Route 196 OVER Interstate 295

WIN: 029318.00
FEDERAL AID PROJECT NO. 2931800
BRIDGE NO. 6307

LIST OF DRAWINGS

Title Sheet	1
Quantities & Notes	2
General Plan	3
Detail Sheet 1	4
Detail Sheet 2	5
Detail Sheet 3	6
Aerial Site Plan	7

MATERIALS

Concrete:
 Joint Headers and deck below _____ PPC
 Curbs, medians and deck _____ Class "A"

Reinforcing:
 Plain Reinforcing Steel _____ ASTM A615, Grade 60

Structural Steel:
 All Material (except as noted) _____ ASTM A36 (unpainted)

BASIC DESIGN STRESSES

Concrete:
 Class "A" _____ $f'c = 4,000$ psi
 PPC _____ $f'c = 3,000$ psi

Reinforcing:
 Plain Reinforcing Steel _____ $f_y = 60,000$ psi

Structural Steel:
 ASTM A36 Unpainted _____ $F_y = 36,000$ psi

TRAFFIC DATA

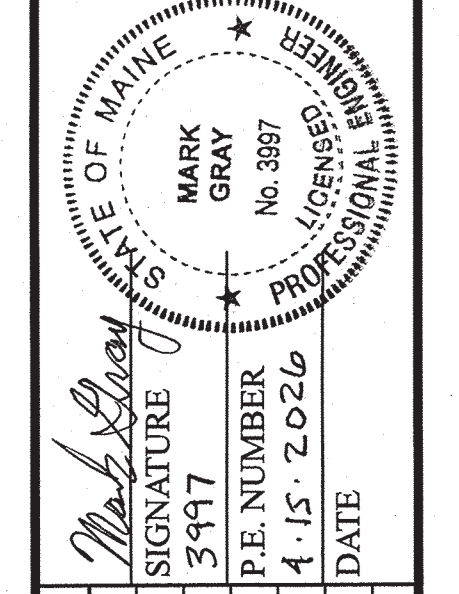
Current (2026) AADT	11780
Future (2046) AADT	12960
DHV - % of AADT	13
Design Hour Volume	1685
Heavy Trucks (% of AADT)	8
Heavy Trucks (% of DHV)	6
Directional Distribution (% of DHV)	100
18 kip Equivalent P 2.0	756
18 kip Equivalent P 2.5	720
Design Speed (mph)	35

MAINTENANCE OF TRAFFIC

Maintain at least one 11'-0" wide lane of traffic on the bridge in both directions at all times.

<u>PROJECT LOCATION</u>	State Route 196 at Overpass of Interstate 295, Topsham, Maine
<u>OUTLINE OF WORK</u>	Joint Modifications

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED: <i>[Signature]</i>
DATE: 4-29-26
COMMISSIONER: <i>[Signature]</i>
CHIEF ENGINEER: <i>[Signature]</i>
4-28-2026



PROJECT INFORMATION	
PROGRAM	BRIDGE
PROJECT MANAGER	TRAVIS HAMEL
DESIGNER	MARK GRAY
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN: 029318.00

BRIDGE 6307 SR196/I295

TITLE SHEET

SHEET NUMBER
1
OF 7

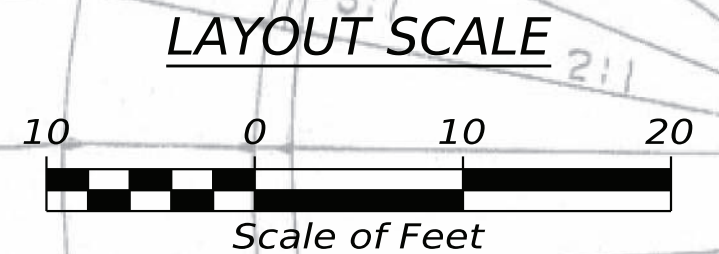
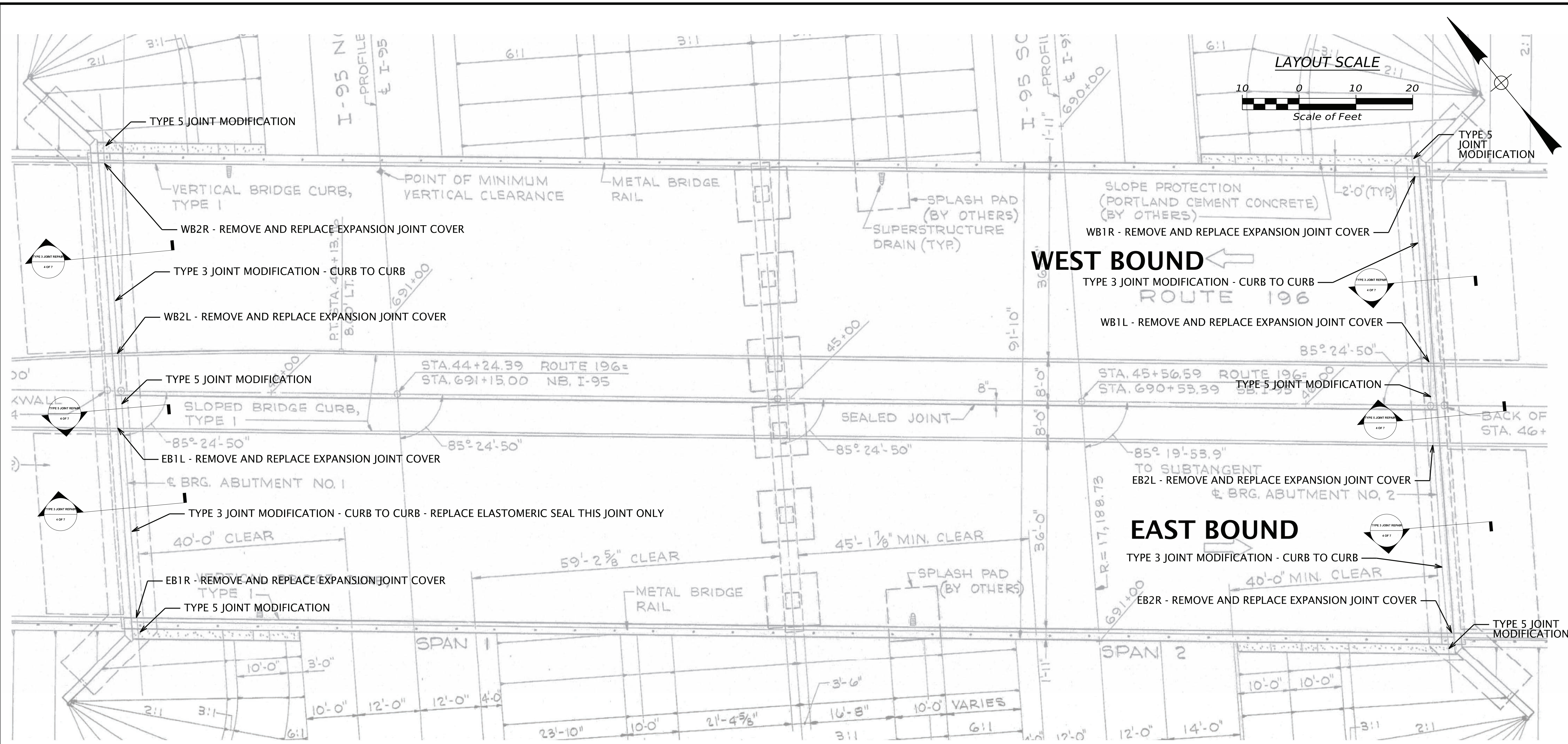
Date: 4/15/2026
Username: Mark.Gray

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
518.51	Repair of Upward Facing Surfaces - below Reinforcing Steel < 8"	40	SF
518.60	Repair of Vertical Surfaces < 8"	6	SF
520.243	Bridge Joint Modification Type 3	4	EA
520.245	Bridge Joint Modification Type 5	6	EA
520.27	Expansion Joint Cover Assembly	8	EA
527.33	Truck Mounted Attenuator	2	EA
627.51	6 inch Temporary Pavement Tape, Yellow or White	1600	LF
627.57	12 inch Removable Black Line Masking Tape	800	LF
629.05	Hand Labor, Straight Time	20	HR
631.10	Air Compressor (including operator)	20	HR
631.11	Air Tool (including operator)	20	HR
631.112	Welding Machine (including operator)	20	HR
639.21	Field Office Type D	1	EA
652.30	Flashing Arrow Board	2	EA
652.33	Drum	50	EA
652.34	Cone	50	EA
652.35	Construction Signs	500	SF
652.361	Maintenance of Traffic Control Devices	1	LS
652.41	Portable Changeable Message Signs	2	EA
659.10	Mobilization	1	LS

GENERAL CONSTRUCTION NOTES

- Project information referred to below may be accessed at the following MaineDOT web address:
<https://www.maine.gov/dot/sites/maine.gov.dot/files/dot-project-documents/>
- The existing bridge plans may be accessed at the MaineDOT website address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
- Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:
 - If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
 - If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
 - If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation and Time.
- Reinforcing steel shall have a minimum cover or 2 inches unless otherwise noted.
- All reinforcing steel that is to be exposed and reused shall be cleaned by a method approved by the Resident. Payment shall be incidental to the related Contract Items.
- Any damage to existing concrete, reinforcing steel, joint steel, or joint seals resulting from the work performed shall be repaired or replaced by a method approved by the Resident at no cost to the Department.
- All existing materials which are removed from the work area shall be removed from the site and properly disposed of by the Contractor. These existing materials include but are not limited to concrete, steel joint armor, reinforcing steel, silt, and other debris on or attached to the structure within the work areas. The cost of removal and disposal shall be incidental to the cost of the work items for which these removals are required.
- If the depth of deteriorated concrete is at or below the reinforcing steel, then the concrete shall be removed at least to a depth of 1 inch below the reinforcing steel bars.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
Federal Project No. 2931800		WIN 029318.00	
PROJ. MANAGER	TRAVIS HAMEL	DATE	
DESIGN-DETAILED	M. GRAY	4-15-2026	
CHECKED-REVIEWED	J. HARRISBROUCK	4-15-2026	
DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		P.E. NUMBER	
REVISIONS 2		DATE	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
STATE ROUTE 196 BRIDGE NO. 6307			
CROSSING INTERSTATE 295			
TOPSHAM, MAINE			
QUANTITIES AND NOTES			
SHEET NUMBER			
2			
OF 7			



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 Federal Project No. 2931800
 WIN 029318.00

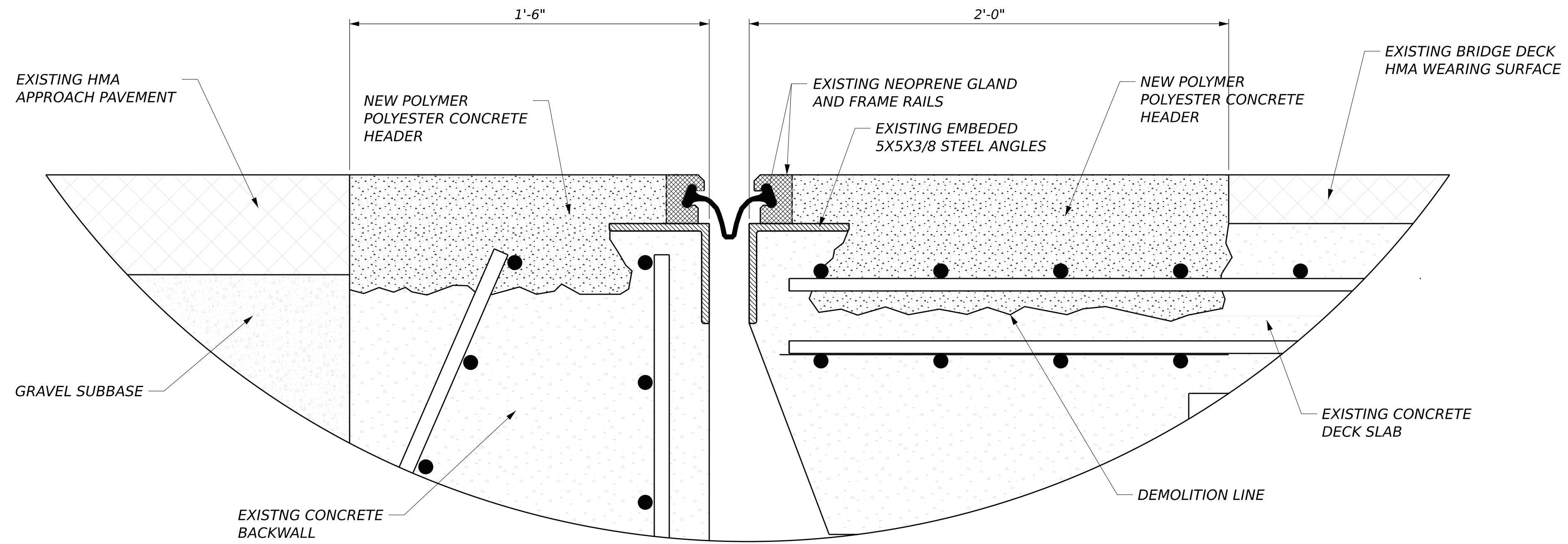
DATE	BY	SIGNATURE	P.E. NUMBER	DATE
4-15-2026	J. GRAY			
4-15-2026	J. GRAY			

STATE ROUTE 196 BRIDGE NO. 6307
 CROSSING INTERSTATE 295
 TOPSHAM, MAINE
GENERAL PLAN

SHEET NUMBER
3
 OF 7



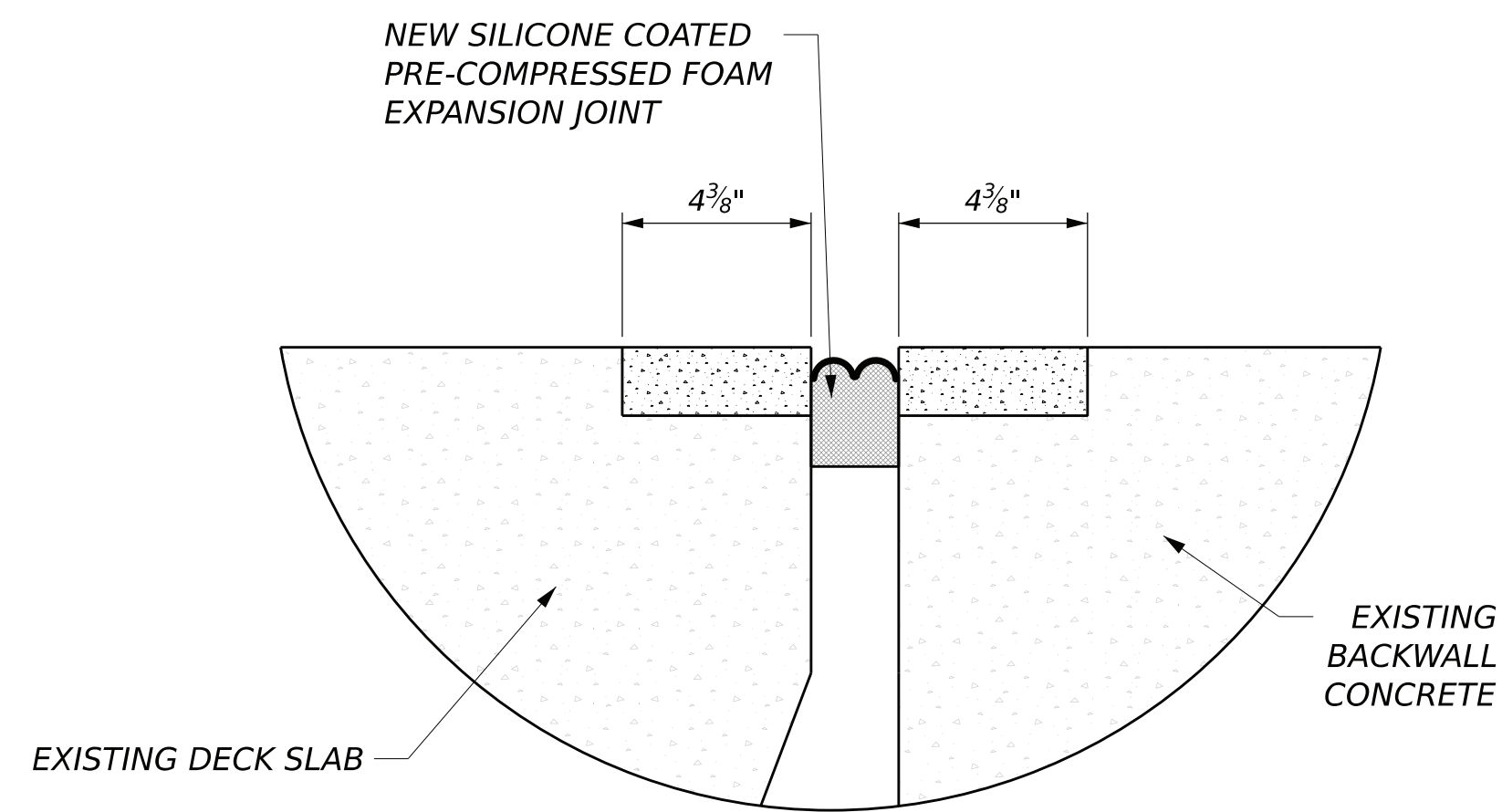
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 Date: 4/15/2026



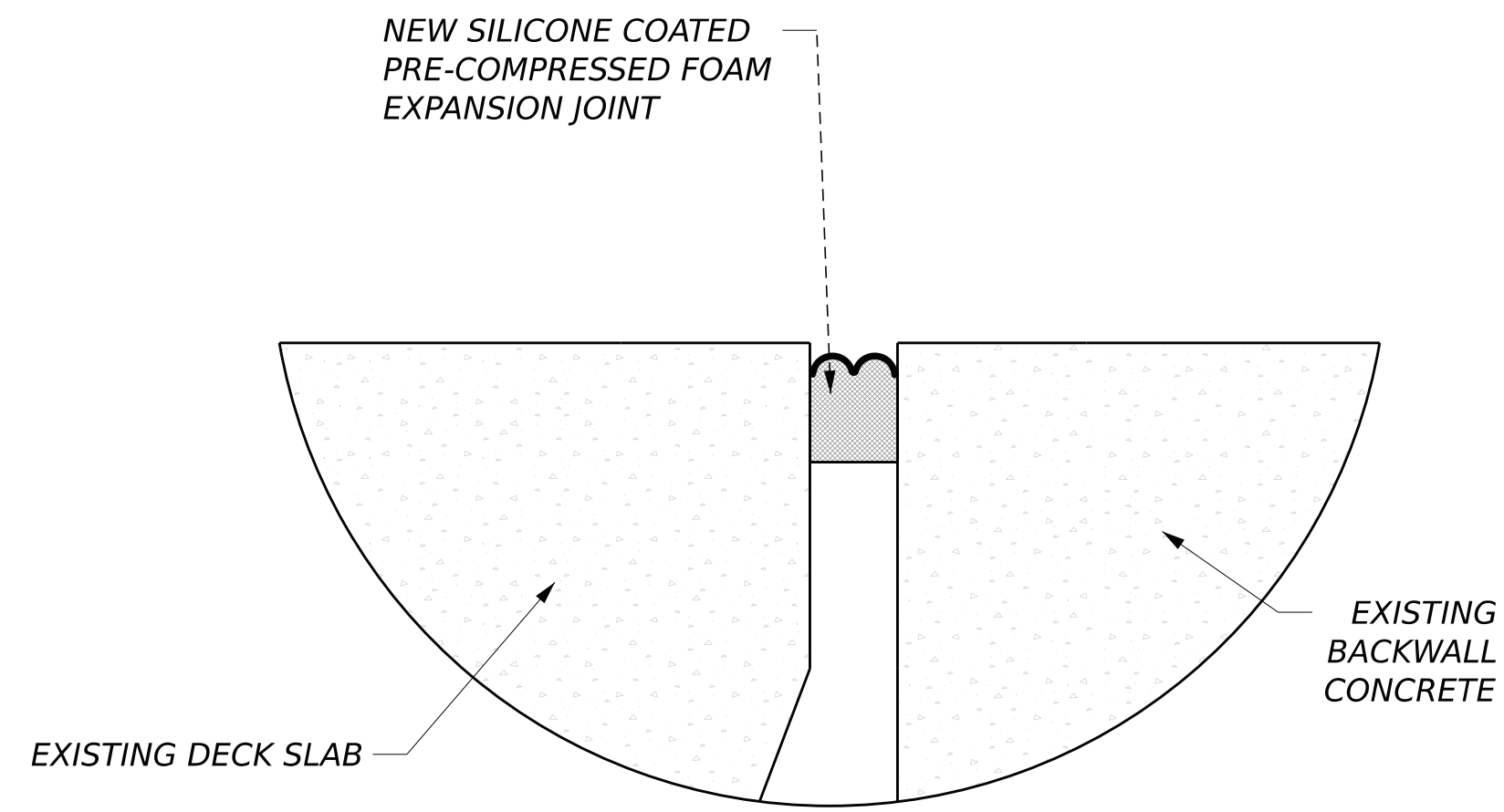
TYPE 3 JOINT MODIFICATION

Type 3 Joint Modification Notes

1. The existing headers have been repaired with bitumastic material.
2. All existing Polymer Polyester Concrete in headers shall be removed.
3. The exact limits of the new polymer polyester concrete header shall be determined in the field by the Resident. The joint between the new header and the existing pavement shall be a neat saw cut line.



TYPE 5 JOINT MODIFICATION AT MEDIAN



TYPE 5 JOINT MODIFICATION AT OUTSIDE CURB

Type 5 Joint Modification Notes

1. Remove existing elastomeric modular seal and anchor bolts.
2. Remove deteriorated concrete in the existing bond-out.
3. Fill with concrete or polymer polyester concrete.
4. Install new silicone coated pre-compressed foam expansion joint.

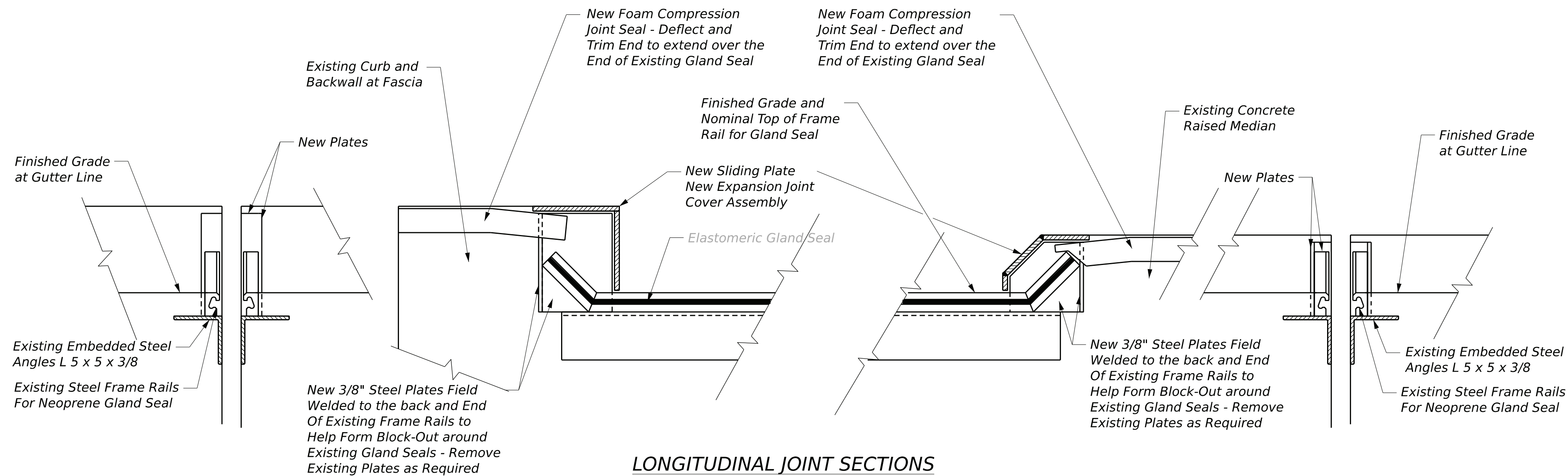
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
Federal Project No. 2931800
WIN 029318.00

DATE	SIGNATURE
4-15-2026	
4-15-2026	
P.E. NUMBER	DATE

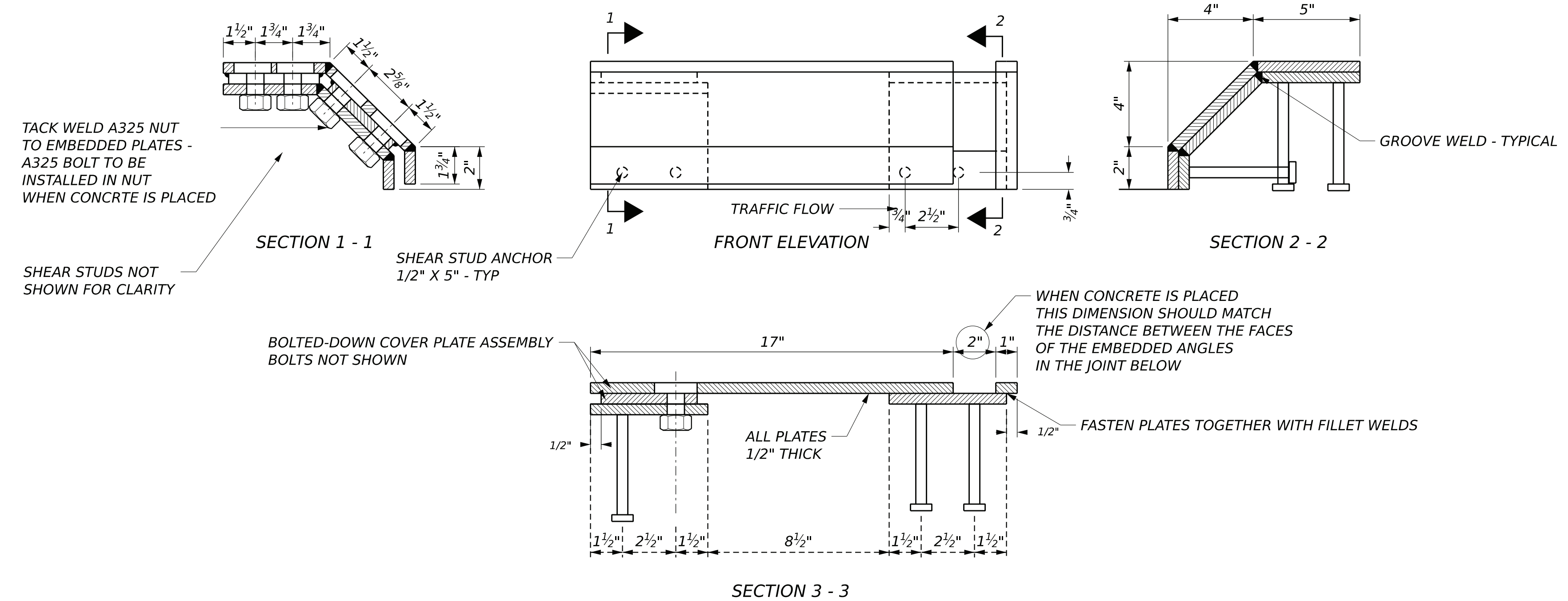
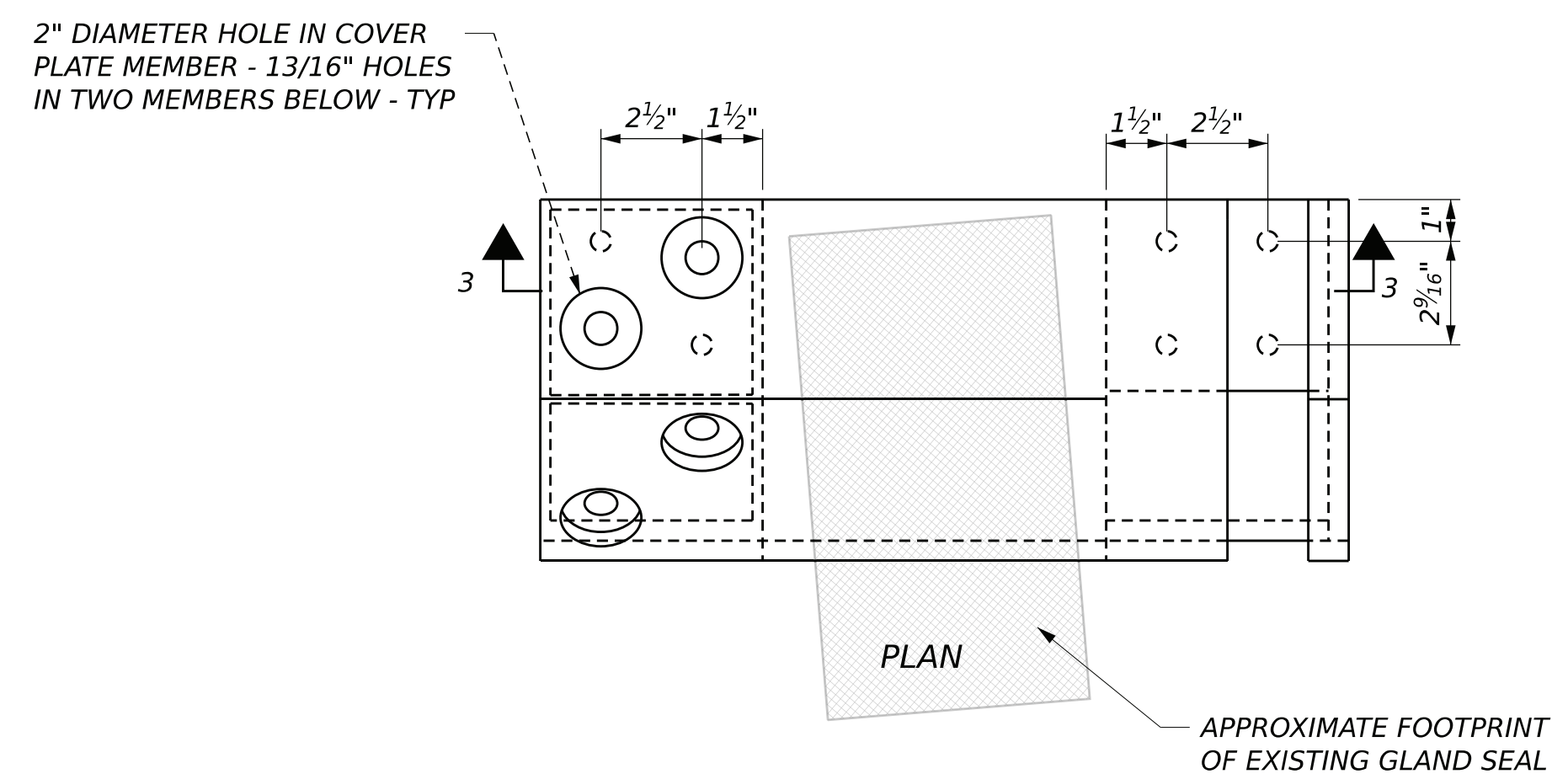
PROJ. MANAGER	TRAVIS HAMEL
DESIGN-DETAILED	M. GRAY
CHECKED-REVIEWED	J. HARRIS
DESIGN-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

STATE ROUTE 196 BRIDGE NO. 6307
CROSSING INTERSTATE 295
TOPSHAM, MAINE
DETAIL SHEET 1

SHEET NUMBER
4
OF 7



LONGITUDINAL JOINT SECTIONS



EXPANSION JOINT COVER ASSEMBLY - SLOPED CURB MEDIAN SIDE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
Federal Project No. 2931800
WIN 029318.00

PROJ. MANAGER	TRAVIS HAMEL	DATE
DESIGN-DETAILED	J. GRAY	4-15-2026
CHECKED/REVIEWED	J. HARRISBROUCK	4-15-2026
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

STATE ROUTE 196 BRIDGE NO. 6307
CROSSING INTERSTATE 295
TOPSHAM, MAINE
DETAIL SHEET 2

SHEET NUMBER
5
OF 7

Username: MarkGray Date: 4/24/2026



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		FEDERAL PROJECT NO 2931800	
STATE ROUTE 196 BRIDGE NO. 6307		CROSSING INTERSTATE 295		TOPSHAM, MAINE	
AERIAL SITE PLAN		SHEET NUMBER		7	
		OF		7	
PRJ. MANAGER	TRAVIS HAMEL	BY	DATE	SIGNATURE	P.E. NUMBER
DESIGN-DETAILED	MURRAY		4-15-2026		
CHECKED/REVIEWED	JHARRISBROCK		4-15-2026		
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
WIN		029318.00		HIGHWAY PLANS	