

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION



FALMOUTH TO TOPSHAM

CUMBERLAND AND SAGADAHOC COUNTY

INTERSTATE 295

BRIDGE PRESERVATION PROJECT

FEDERAL PROJECT NO. 0285300

PROJECT LENGTH: 21 MILES

BRIDGE NUMBERS

5828, 5832, 5834, 1137, 6268, 6269,

6270, 1512, 1511, 1510, 1138, 1508, 1507 and 1505

LIST OF DRAWINGS

Title Sheet	1
General Construction Notes and Quantities	2
Location Map	3
Typical Repair Details	4-5
Bridge Details	6-20
TCP Phases	21-22

MATERIALS

Concrete:	
Joint Headers	PPC
Abutment, Curbs and Deck	Class A

BASIC DESIGN STRESSES

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

TRAFFIC DATA

(Maximum traffic volume for either Northbound or Southbound within project limits given.)

Current (2024) AADT	27100
Future (2036) AADT	28730
DHV - % of AADT	11%
Design Hour Volume	3160
Heavy Trucks (% of AADT)	7%
Heavy Trucks (% of DHV)	6%
Directional Distribution (% of DHV)	100%
18 kip Equivalent P 2.0	1566
18 kip Equivalent P 2.5	1492
Posted Speed (mph)	65

PROJECT LOCATION	I-295 Falmouth to Topsham, Maine
PROGRAM AREA	Bridge Program
OUTLINE OF WORK	Joint Modifications and Wearing Surface Replacement

WIN 28530.00

INTERSTATE 295

FALMOUTH TO TOPSHAM

TITLE SHEET

SHEET NUMBER

1

OF 22



	SIGNATURE
13554	
P.E. NUMBER	6/17/25
DATE	

PROJECT INFORMATION	
PROGRAM	Bridge
PROJECT MANAGER	Troy W. Homel
DESIGNER	B. Reeves
CONSULTANT	VHB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	COMMISSIONER:	
	CHIEF ENGINEER:	

ESTIMATED I-295 BRIDGE QUANTITIES																	
ITEM NO.	DESCRIPTION	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	TOTAL	UNIT
		Bridge No. 5828	Bridge No. 1505	Bridge No. 5832	Bridge No. 1507	Bridge No. 5834	Bridge No. 1508	Bridge No. 1137	Bridge No. 1138	Bridge No. 6268	Bridge No. 1510	Bridge No. 6269	Bridge No. 1511	Bridge No. 6270	Bridge No. 1512		
202.127	Removing of Existing Bituminous Pavement											0.22	0.22	0.28	0.28	1	LS
202.202	Removing Pavement Surface	1671	1671	1053	1053	2263	2263	1396	1350	4196	4196	1475	1475	869	869	25800	SY
202.205	Rumble Strips - Shoulder	1540	1540	1180	1160	1180	1160	1530	1530	640	640	2300	2300	1650	1650	20000	LF
207.207	Rumble Strips, Fill	1540	1540	1180	1160	1180	1160	1530	1530	640	640	2300	2300	1650	1650	20000	LF
203.20	Common Excavation							3.00	7.00							10	CY
403.2081	Hot Mix Asphalt - 12.5 mm (Polymer Modified)	138	138	87	87	187	187	115	111	346	346	159	159	120	120	2300	T
403.211	Hot Mix Asphalt - Shim	10	10	5	5	5	5	5	5	10	10	5	5	5	5	90	T
403.2131	Hot Mix Asphalt, 12.5 mm (base and intermediate course Polymer Modified)					2						36	36	48	48	170	T
409.15	Bituminous Tack Coat, Applied	85	85	55	55	115	115	75	75	210	210	120	120	90	90	1500	GAL
410.25	Asphalt - Rubber Membrane					20						440	440	580	570	2050	SY
515.21	Protective Coating for Concrete Surface (2100 SY)	0.08	0.08	0.04	0.04	0.06	0.06	0.03	0.03	0.23	0.23	0.02	0.02	0.04	0.04	1	LS
518.391	Repairing Granite Curb Joint and Bedding Mortar							19	19	165	165	19	19	27	27	460	LF
518.51	Repair of Upward Facing Surfaces- below Reinforcing Steel < 8 inches	439	439	271	271	313	313	227	197	5	5	5	5	5	5	2500	SF
518.60	Repair of Vertical Surfaces < 8 in.							6			12					18	SF
519.58	Epoxy Injection of Cracks					80										80	LF
519.60	Expansion Device - Asphaltic Plug Joint				43	32		92	89			42	42			340	LF
520.241	Bridge Joint Modification Type 1										1					1	EA
520.242	Bridge Joint Modification Type 2		2													2	EA
520.243	Bridge Joint Modification Type 3			2	1	1	2			2	1	1	1	2	2	15	EA
520.244	Bridge Joint Modification Type 4				1			1	1							3	EA
520.245	Bridge Joint Modification Type 5	2														2	EA
523.26	Expansion Bearing - Modification					3								1		4	EA
524.301	Temporary Structural Support					0.5								0.5		1	LS
524.50	Temporary Roadway Mat	2	2	2	2	1	2	1	1	2	1	1	1	2	2	22	EA
604.32	8" Wide Channel Drain									50						50	LF
609.38	Reset Curb Type I							6			12					18	LF
619.14	Erosion Control Mix	5							5							10	CY
627.51	6" Temporary Pavement Tape, Yellow or White	1100	1100	750	750	900	900	670	670	2310	2310	670	670	750	750	14300	LF
627.57	12" Removable Black Line Masking Tape					1540						1630	1630	1675	1675	8150	LF
627.745	6" White or Yellow Polyurea Pavement Marking Line (recessed)	1500	1500	2310	1070	1260	2030	950	950	3900	3150	4660	1720	1070	4830	30900	LF
627.77	Removing Existing Pavement Marking	550	550	375	375	450	450	335	335	1155	1155	335	335	375	375	7150	SF
627.783	Temporary 6" White or Yellow Polyurea Pavement Marking Line	1500	1500	2310	1070	1260	2030	950	950	3900	3150	4660	1720	1070	4830	30900	LF
629.05	Hand Labor, Straight Time	5	5	2	2	2	2	2	2	5	5	2	2	2	2	40	HR
631.112	Welding Machine (including operator)	2	2	2	2	2	2	2	2	2	2	2	2	3	3	30	HR
631.12	All Purpose Excavator (including operator)					5		5	5			5	5			25	HR
631.133	Skid Steer (including operator)	5	5	2	2	2	2	2	2	5	5	2	2	2	2	40	HR
631.172	Truck-Large (including operator)	2	2	2	2	2	2	2	2	2	2	2	2	3	3	30	HR
639.19	Field Office Type B	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	1	EA
652.30	Flashing Arrow Board	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	2	EA
652.312	Type III Barricades	2	2	1	1	2	2	1	1	4	4	1	1	1	1	25	EA
652.33	Drum	7	7	7	7	7	7	7	7	7	7	7	7	7	7	100	EA
652.34	Cone	7	7	7	7	7	7	7	7	7	7	7	7	7	7	100	EA
652.35	Construction Signs	50	50	50	50	50	50	50	50	50	50	50	50	50	50	700	SF
652.361	Maintenance of Traffic Control Devices	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	1	LS
652.41	Portable-Changeable Message Sign	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.58	8	EA
652.441	Type 1 Smart Work Zone System	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25							2	EA
652.442	Type 2 Smart Work Zone System									0.17	0.17	0.17	0.17	0.16	0.16	1	EA
652.45	Automated Trailer Mounted Speed Limit Sign	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.16	0.16	2	UN
652.46	Sequential Flashing Warning Lights	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	UN
652.47	Temporary Portable Rumble Strip	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	GP
656.75	Temporary Soil Erosion and Water Pollution Control	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	1	LS
659.10	Mobilization	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	1	LS
910.50	Work Zone Safety	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	1	LS

Note: Estimated Quantities for each bridge are provided here for reference purposes only.

GENERAL CONSTRUCTION NOTES

1. Project information referred to below may be accessed at the following MaineDOT web address:
<http://www.maine.gov/mdot/contractors/>
2. All dimensions, angles, and stationing shown on existing plans are taken from as-built construction drawings from 1958 through 2018 and are not guaranteed to be correct. All information based on or relating to the existing bridges shall be verified in the field by the Contractor.
3. 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:

a. If a Lump Sum pay item is eliminated, the requirements of the Standard Specifications Section 109.2, Elimination of Items, will take precedence.

b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.

c. 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.
4. Reinforcing steel shall have a minimum concrete cover of 2" unless otherwise noted.
5. 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.
6. 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.

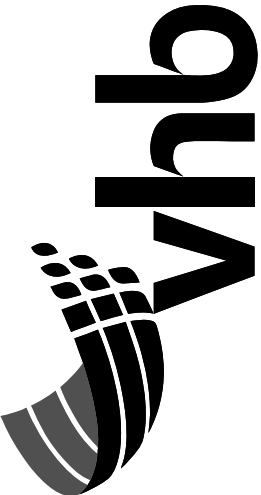
7. New seals indicated to be replaced shall extend the full width of the bridge plus a distance of 6" beyond the outside face of the barrier on each side of the bridge after all other joint work is complete. The Resident shall approve the seals prior to ordering or fabrication of the Expansion Device.
8. 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.
9. If the depth of deteriorated concrete is at/or below the reinforcing steel, then remove the concrete to a minimum depth of 1 inch below the reinforcing bars.
10. When a new joint is being installed, or an existing joint is substantially modified, and field conditions permit, the approach side of the joint shall be set 1/8" - 1/4" higher than the departure side of the joint. Under no circumstances shall the departing side of the joint be higher than the approach side of the joint.
11. All surface pavement shall be full width unless otherwise noted.
12. Header placement shall be performed after completion of surface pavement adjacent to the header.
13. Polyester Polymer Concrete Headers shall be placed in no more than two horizontal placements. The vertical surface between Polyester Polymer Concrete header placements shall be roughened and surface prepared in accordance with Special Provision 502 Structural Concrete - Polyester Polymer Concrete.
14. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs to the drip notch and

All exposed surfaces of Concrete Transition Barriers

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

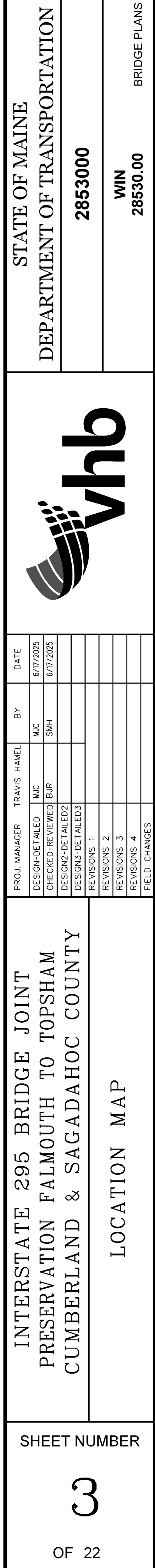
2853000
WIN
28530.00
BRIDGE PLANS

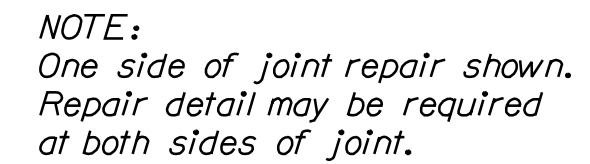


INTERSTATE 295 BRIDGE JOINT
PRESERVATION FALMOUTH TO TOPSHAM
CUMBERLAND & SAGadahoc COUNTY
GENERAL CONSTRUCTION
NOTES AND QUANTITIES

SHEET NUMBER

2
OF 22





- BRIDGE JOINT MODIFICATION TYPE 1 - NOTES:


- 1. Clean Joint Armor, Replace Compression Seal, and Keeper Bars.*

- BRIDGE JOINT MODIFICATION TYPE 2 - NOTES:

1. Remove Unsound Concrete, Scarify Remaining Header Surface and Replace with PPC 1/4" Above Joint Armor

- BRIDGE JOINT MODIFICATION TYPE 3 - NOTES:

1. *Replace Joint Seal Unless Otherwise Noted.*
2. *Remove and Replace Damaged Joint Armor as Noted on Bridge Plan and as Directed by the Resident.*
3. *Keeper bars shall be positioned to allow top of compression seal to sit $1/4"$ to $1/2"$ below top of armor. If existing keeper bar does not permit the seal to set at the specified depth, the Contractor shall notify the Resident.*
4. *If the base material temperature falls below 32 degrees Fahrenheit, the base metal shall be heated to a minimum of 80 degrees Fahrenheit before welding. If the base metal temperature falls below 50 degrees Fahrenheit, the base metal shall be heated to remove any moisture. A welding procedure and listing of proposed welding consumables shall be submitted to the Resident for approval.*

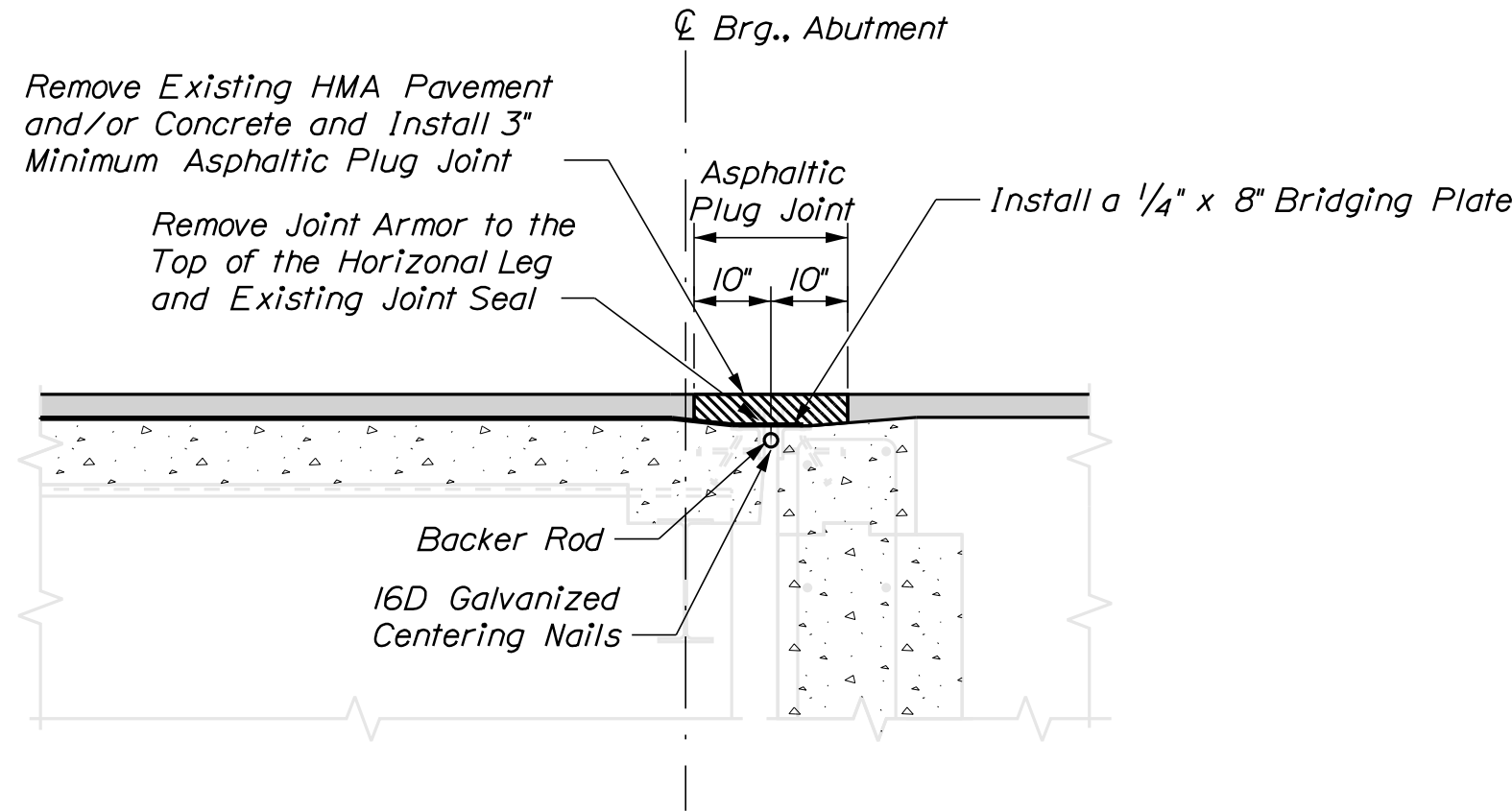
INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGADAHOC COUNTY TYPICAL REPAIR DETAILS (1 OF 2)	PROJ. MANAGER TRAVIS HAVEL	BY M.C. M.C. SMH	DATE 6/7/2025 6/7/2025		STATE OF MAINE DEPARTMENT OF TRANSPORTATION 2853000 WIN 28530.00 BRIDGE PLANS
	SHEET NUMBER 4 OF 22				

Date:6/17/2025

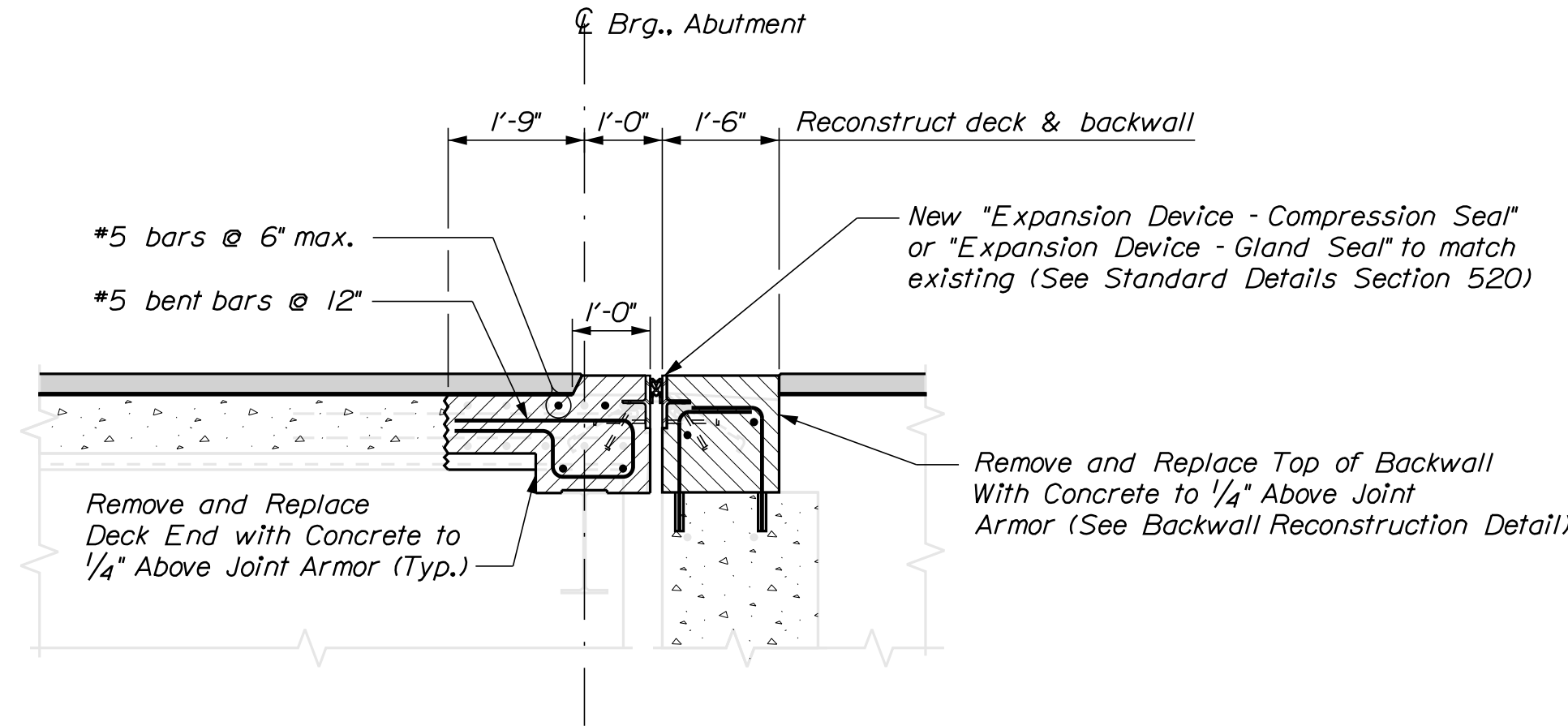
Username: mchpman

Division: HIGHWAY

Filename: ...\\005_typ_details (2 of 2).dgn

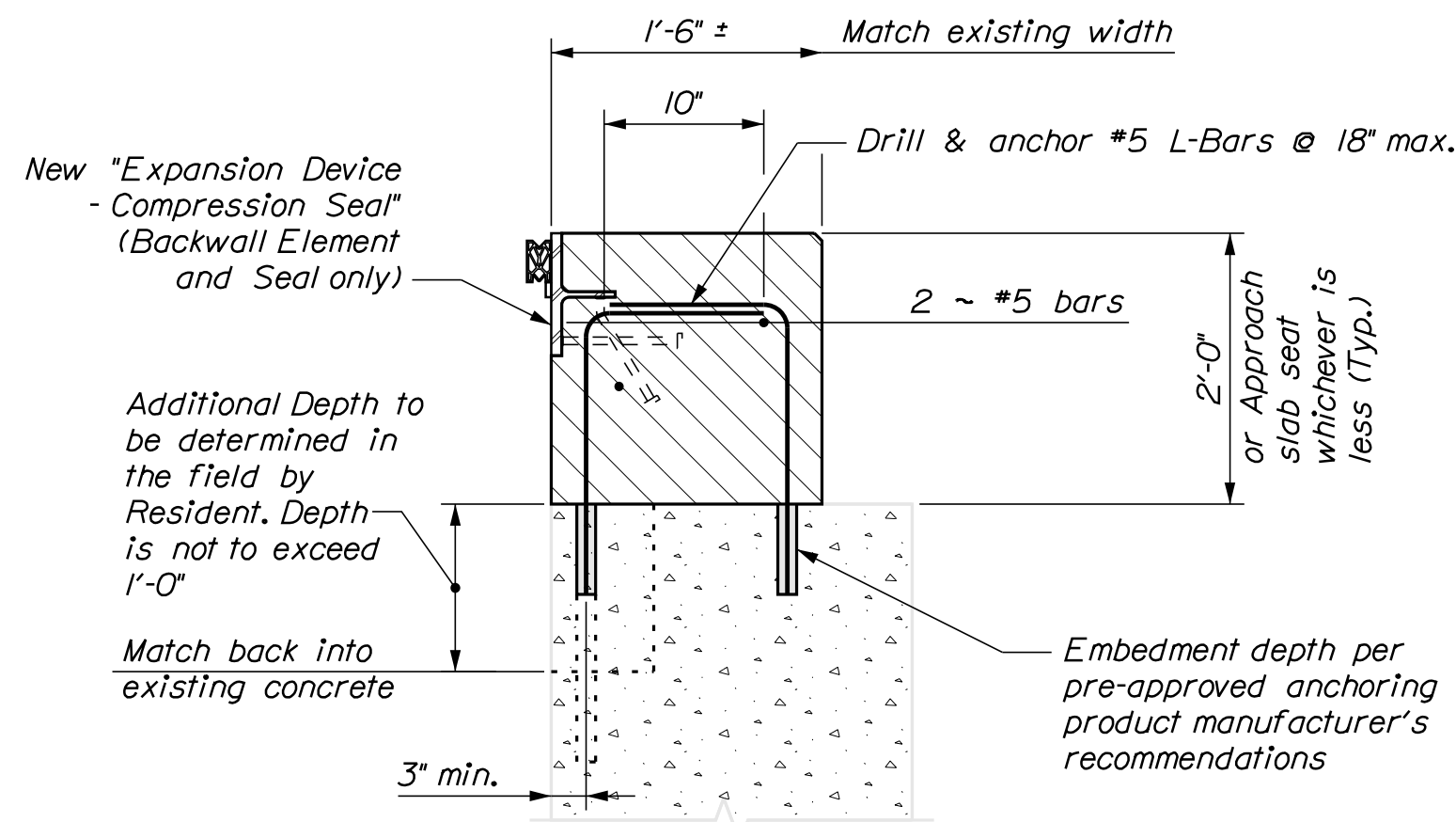


BRIDGE JOINT MODIFICATION TYPE 4



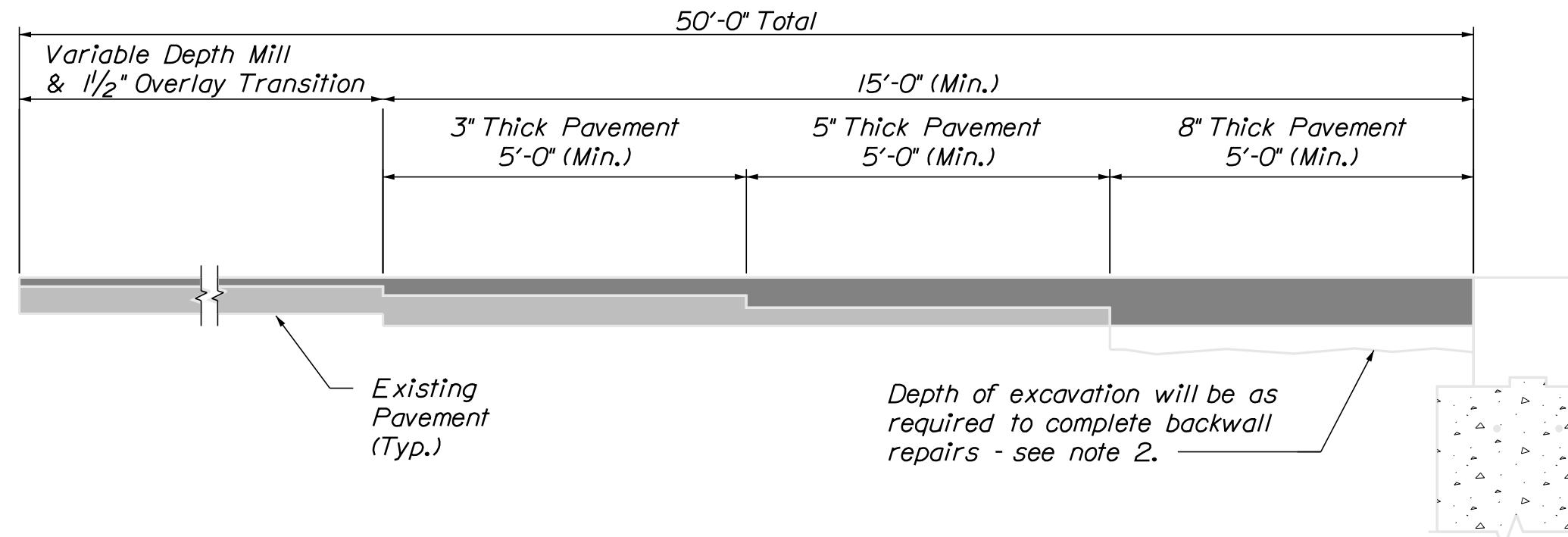
BRIDGE JOINT MODIFICATION TYPE 5

Notes: Compression seal shown, gland seal is as specified in Standard Details Section 520

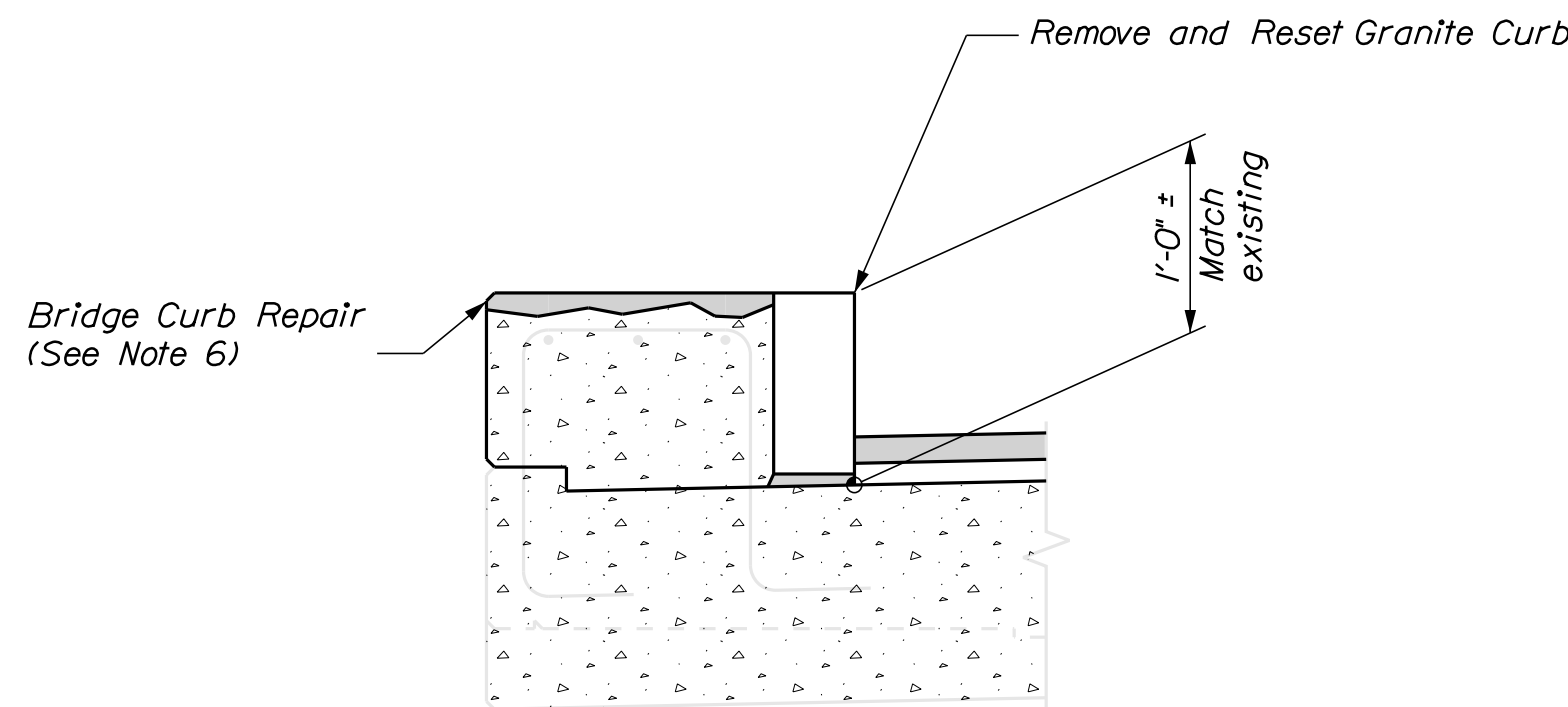


BACKWALL RECONSTRUCTION DETAIL

See Standard Details Section 520 for "Expansion Device"



PROFILE GRADE CORRECTION WITH BACKWALL RECONSTRUCTION



CURB REPAIR DETAIL

- Repair of bridge curb shall be paid for using items 518.391, 518.51, 518.60, and 609.38.
- Removal of existing pavement, placement of new pavement, and membrane repair will be paid separately under designated pay items with contract.

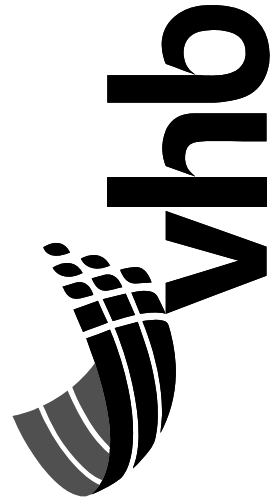
BRIDGE JOINT MODIFICATION TYPE 4 - NOTES:

- Remove Compression Seal Joint and Convert to Asphaltic Plug Joint.
- 16D galvanized centering nails shall be spaced at 12" O.C. maximum and placed 2" from joints in the bearing plates.

BRIDGE JOINT MODIFICATION GENERAL NOTES:

- Refer to Standard Details Sections 502 and 520 for details and information not shown.
- All concrete surfaces where new concrete is to be placed shall have a 1/4" minimum anchor profile or roughened surface unless noted otherwise.
- All new steel supplied for the bridge joint modification shall be uncoated.
- The Contractor shall be responsible for selecting the appropriate seal from the MaineDOT "Approved Products List" based on the movement rating and skew. The Contractor shall submit to The Resident the selected seal for review at least two weeks prior to installation.
- If an approach slab is encountered during excavation, excavate down to the top, using care not to damage the approach slab. Material excavated may be used as backfill if suitable to the Resident. Thoroughly compact before placing pavement.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2853000
WIN 28530.00
BRIDGE PLANS



PROJ. MANAGER	TRAVIS HAMEL	BY	DATE
DESIGN-DETAILED	MIC	MCH	6/17/2025
CHECKED-REVIEWED	BAR	SMH	6/17/2025
DESIGN-DETAILED	ED3		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY
TYPICAL REPAIR DETAILS (2 OF 2)

SHEET NUMBER

5

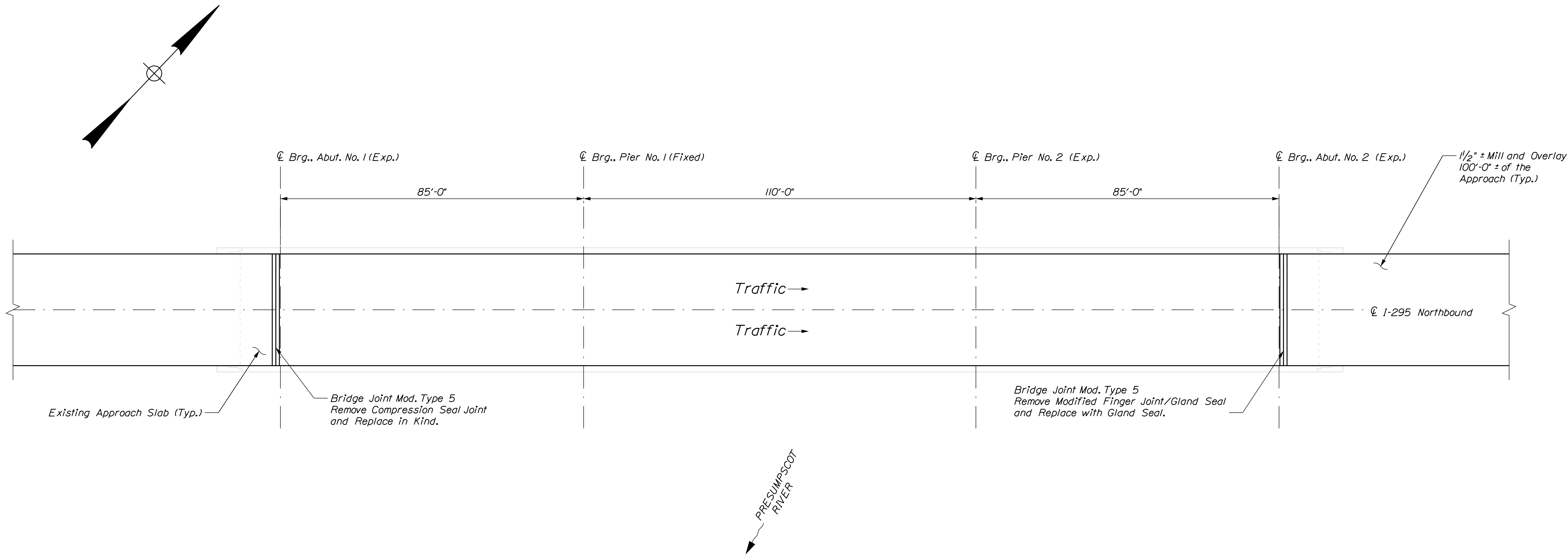
OF 22

Date:6/17/2025

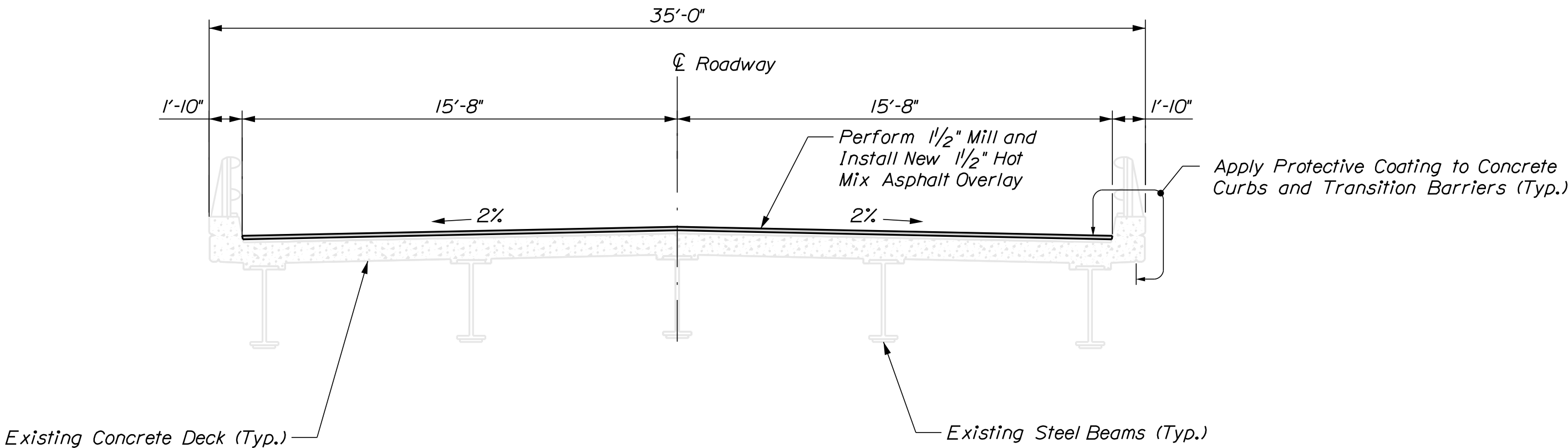
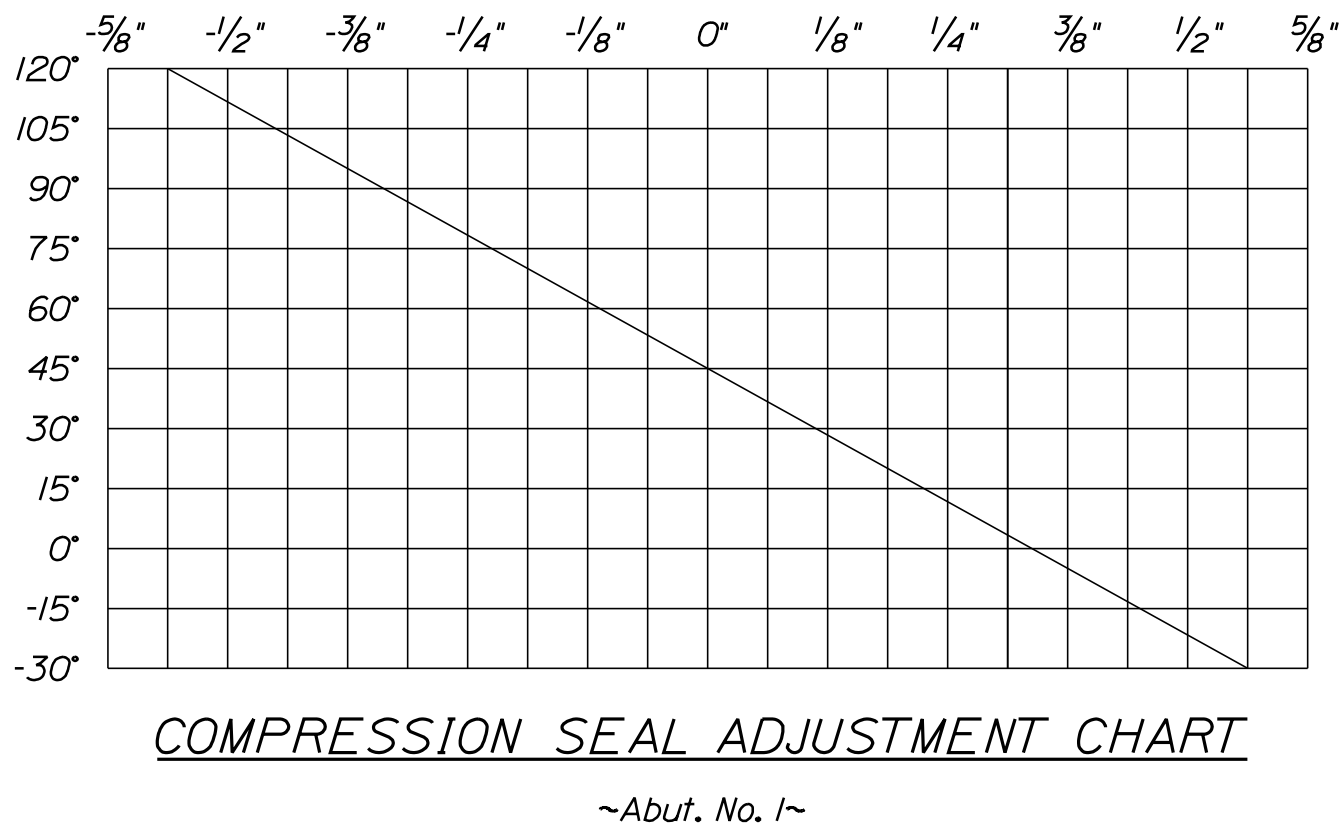
Username: mchipman

Division: HIGHWAY

Filename: ... \006 - 5828 Presumpscot NB.dgn



INTERSTATE 295 NORTHBOUND OVER PRESUMPCOT RIVER
Falmouth - Bridge No. 5828



MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately $1/8$ "
The Movement Rating of Abutment No. 2 is approximately $2/2$ "

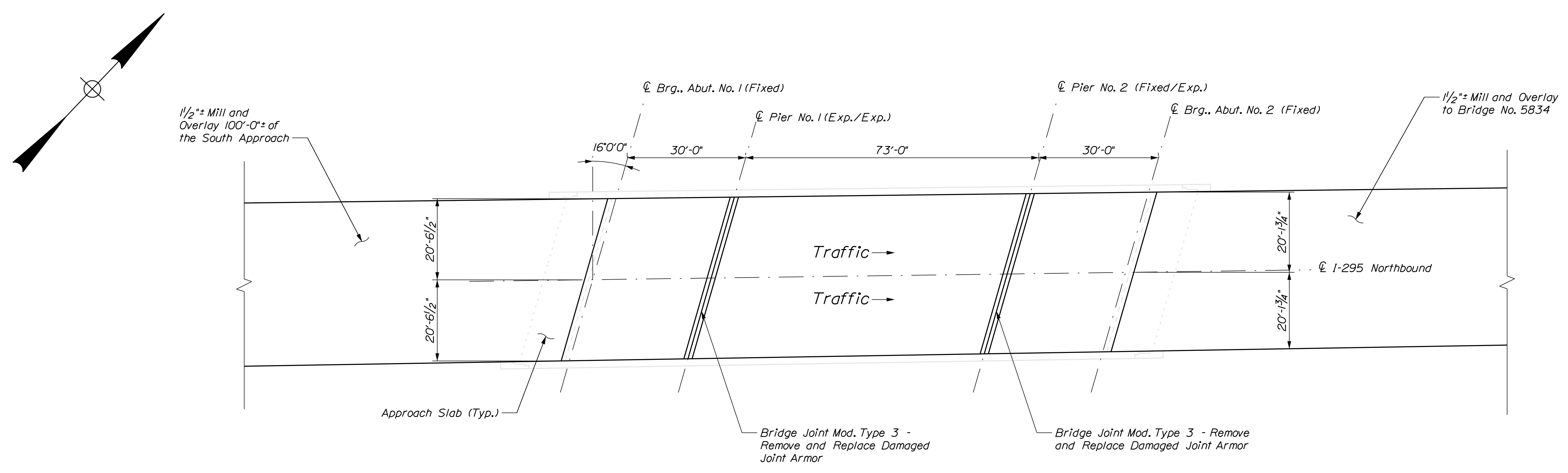
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	2853000		WIN 28530.00		BRIDGE PLANS
	PROJ. MANAGER	TRAVIS HAVEL	BY	DATE	
DESIGN-DETAILED	MIC	MIC	6/7/2025		
CHECKED-REVIEWED	BAR	SMH	6/7/2025		
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY		BRIDGE DETAILS (1 OF 15)			
SHEET NUMBER		6			
		OF 22			



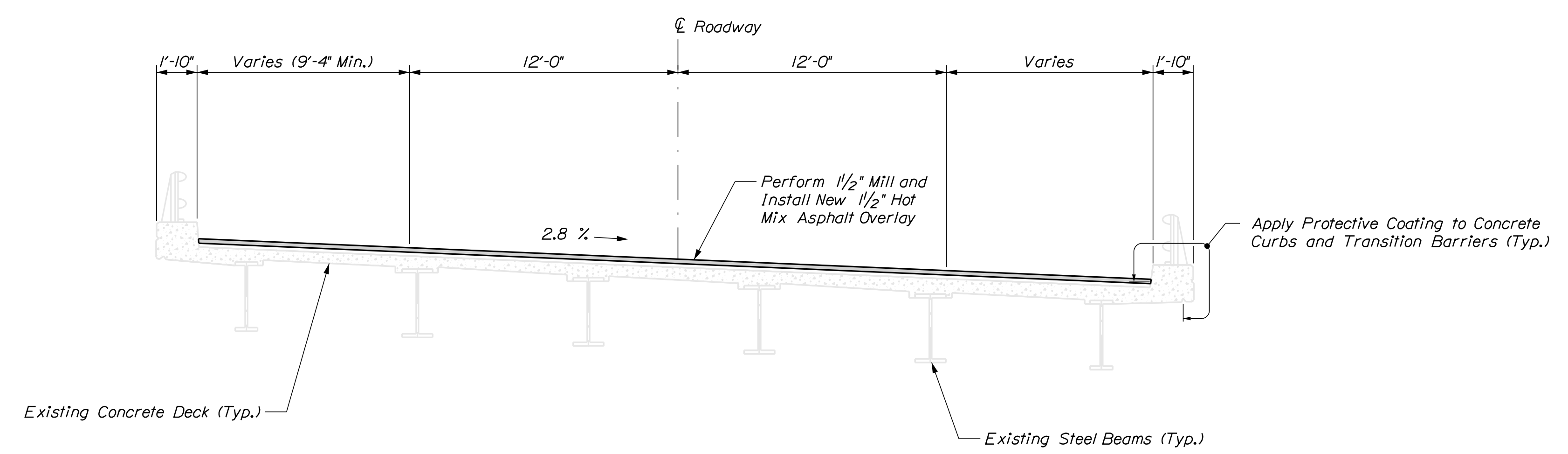
The Movement Rating of Abutment No. 1 is approximately $1\frac{1}{8}$ "

The Movement Rating of Abutment No. 2 is approximately $2\frac{1}{2}$ "

[illegible]



INTERSTATE 295 NORTHBOUND OVER ROUTE 88
Yarmouth - Bridge No. 5832



TRANSVERSE SECTION

MOVEMENT RATING:

The Movement Rating of Pier No. 1 is approximately $1\frac{3}{8}$ "
The Movement Rating of Pier No. 2 is approximately $\frac{3}{8}$ "

Date: 6/17/2025

Username: mchipman

Division: HIGHWAY


Filename: ... \008 - 5832 Route 88 NB.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2853000

WIN
28530.00

BRIDGE PLANS



PROJ. MANAGER	TRAVIS HAVEL	BY	DATE
DESIGN-DETAILED	MIC	MIC	6/7/2025
CHECKED-REVIEWED	BAR	SMH	6/7/2025
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

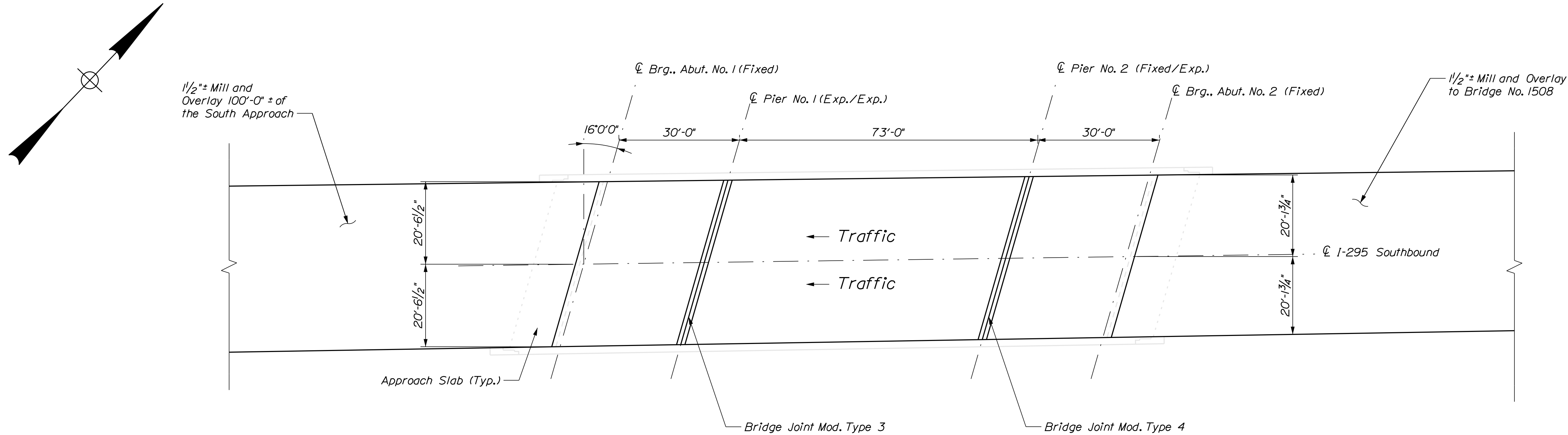
INTERSTATE 295 BRIDGE JOINT
PRESERVATION FALMOUTH TO TOPSHAM
CUMBERLAND & SAGadahoc COUNTY

BRIDGE DETAILS
(3 OF 15)

SHEET NUMBER

8

OF 22

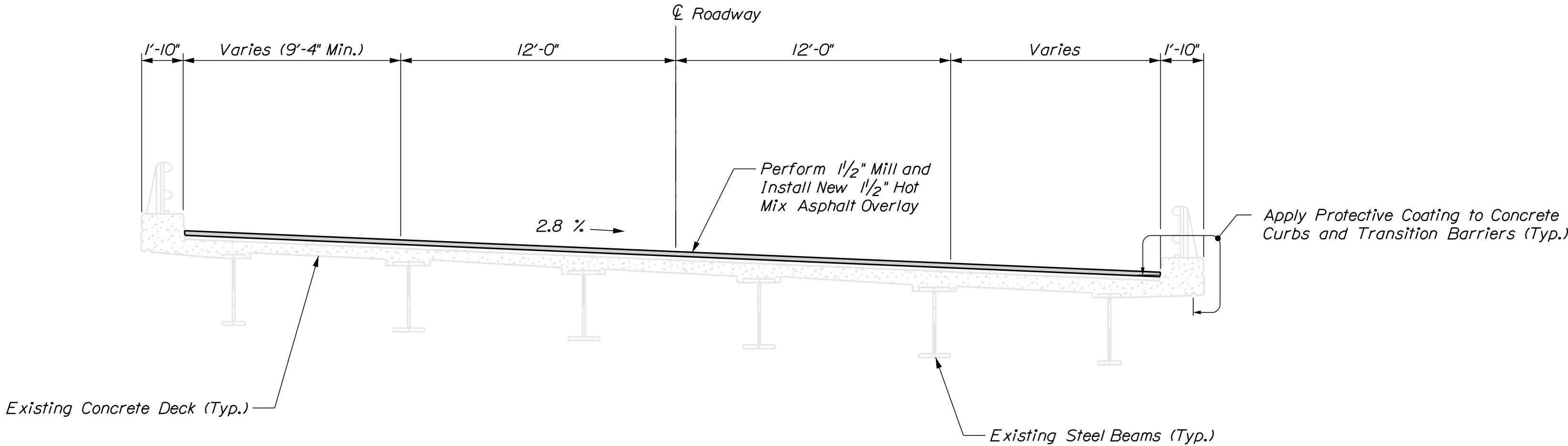


INTERSTATE 295 SOUTHBOUND OVER ROUTE 88
Yarmouth - Bridge No. 1507

MOVEMENT RATING:

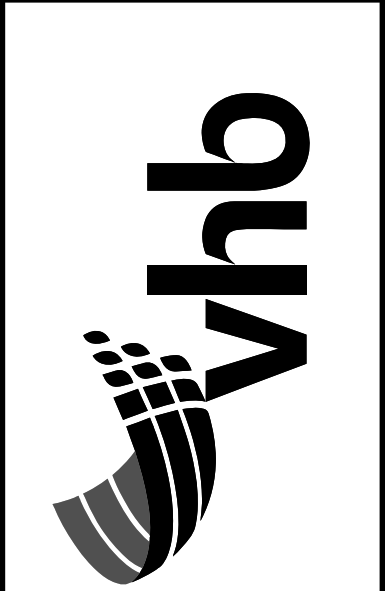
The Movement Rating of Pier No. 1 is approximately $1\frac{3}{8}$ "

The Movement Rating of Pier No. 2 is approximately $\frac{3}{8}$ "



TRANSVERSE SECTION

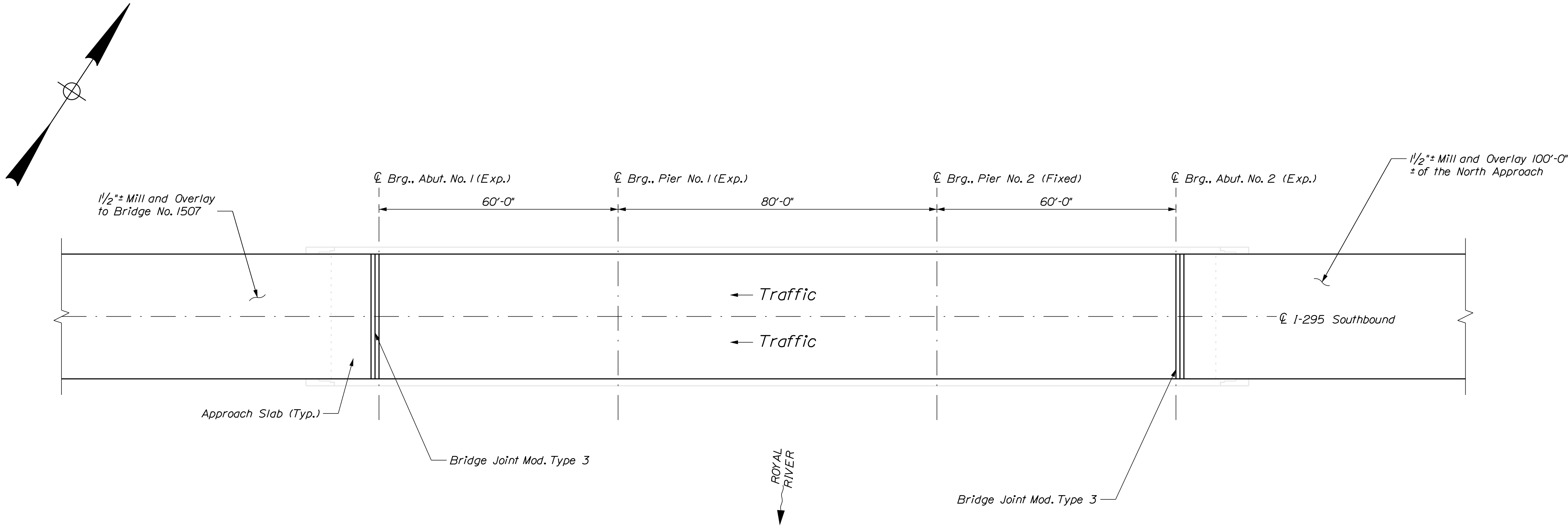
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2853000
WIN
28530.00
BRIDGE PLANS



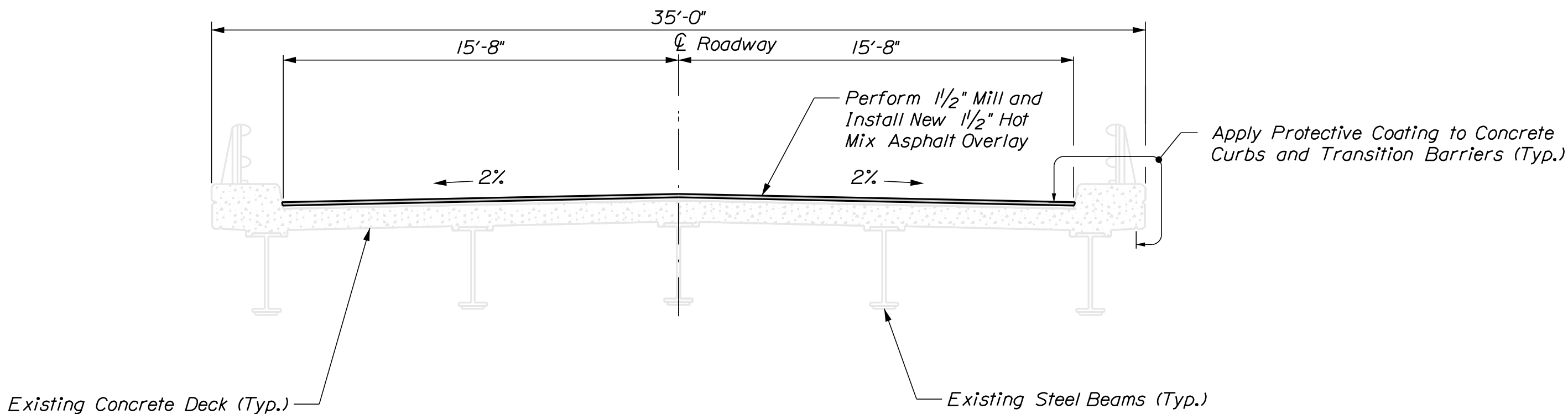
PROJ. MANAGER	TRAVIS HAVEL	BY	DATE
DESIGN-DETAILED	MIC	MIC	6/17/2025
CHECKED-REVIEWED	SMH	SMH	6/17/2025
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY
BRIDGE DETAILS (4 OF 15)

SHEET NUMBER
9
OF 22



INTERSTATE 295 SOUTHBOUND OVER ROYAL RIVER
Yarmouth - Bridge No. 1508



TRANSVERSE SECTION

MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately 1 3/4"
The Movement Rating of Abutment No. 2 is approximately 3/4"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2853000
WIN
28530.00
BRIDGE PLANS

		DATE	BY	TRAVIS HAVEL	DATE
DESIGN-DETAILED	MJC	6/7/2025	MJC		6/7/2025
CHECKED-REVIEWED	SMH	6/7/2025	SMH		
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY	BRIDGE DETAILS (5 OF 15)
--------------------------------------------------------------------------------------------------	-----------------------------

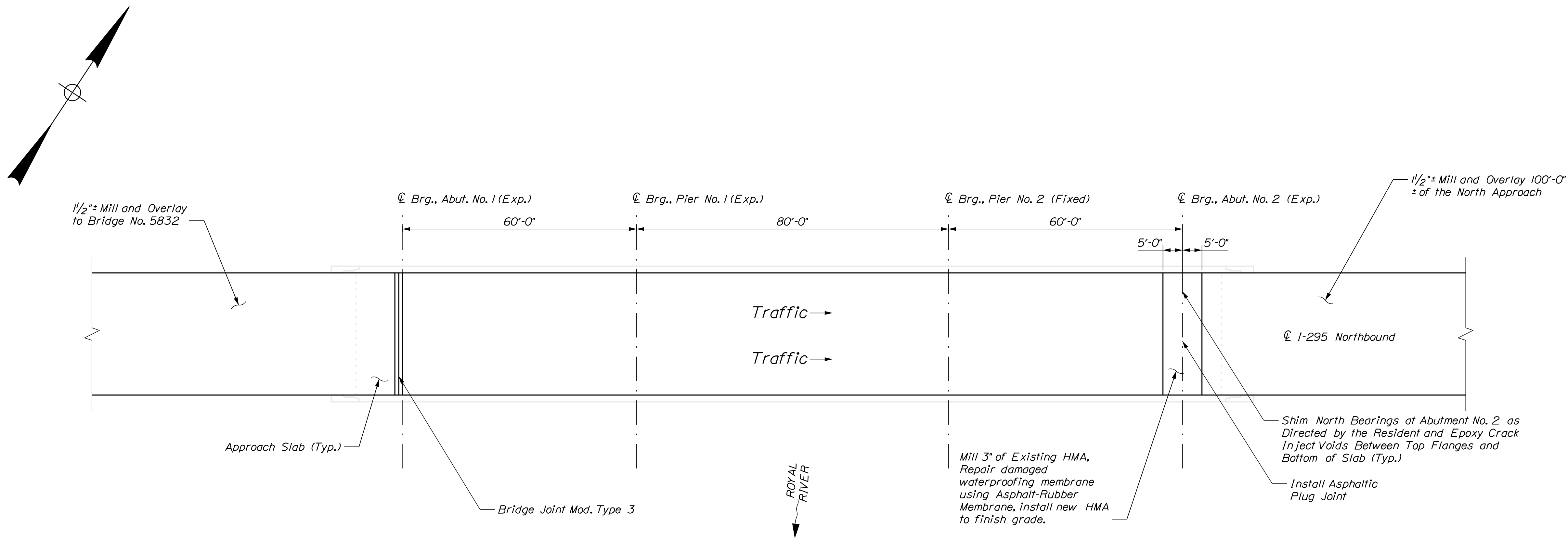
SHEET NUMBER
10
OF 22

Date:6/17/2025

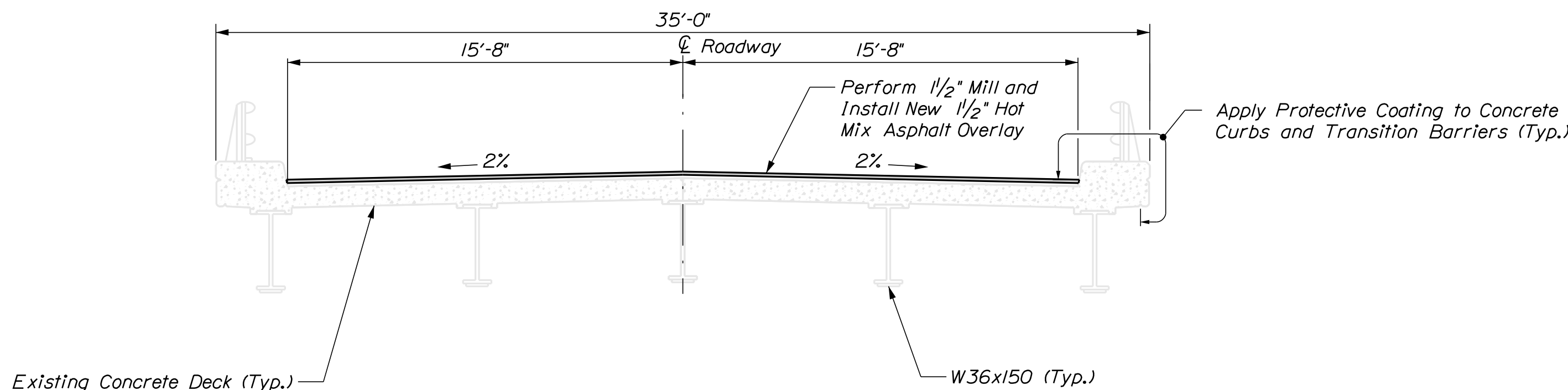
Username: mchipman

Division: HIGHWAY

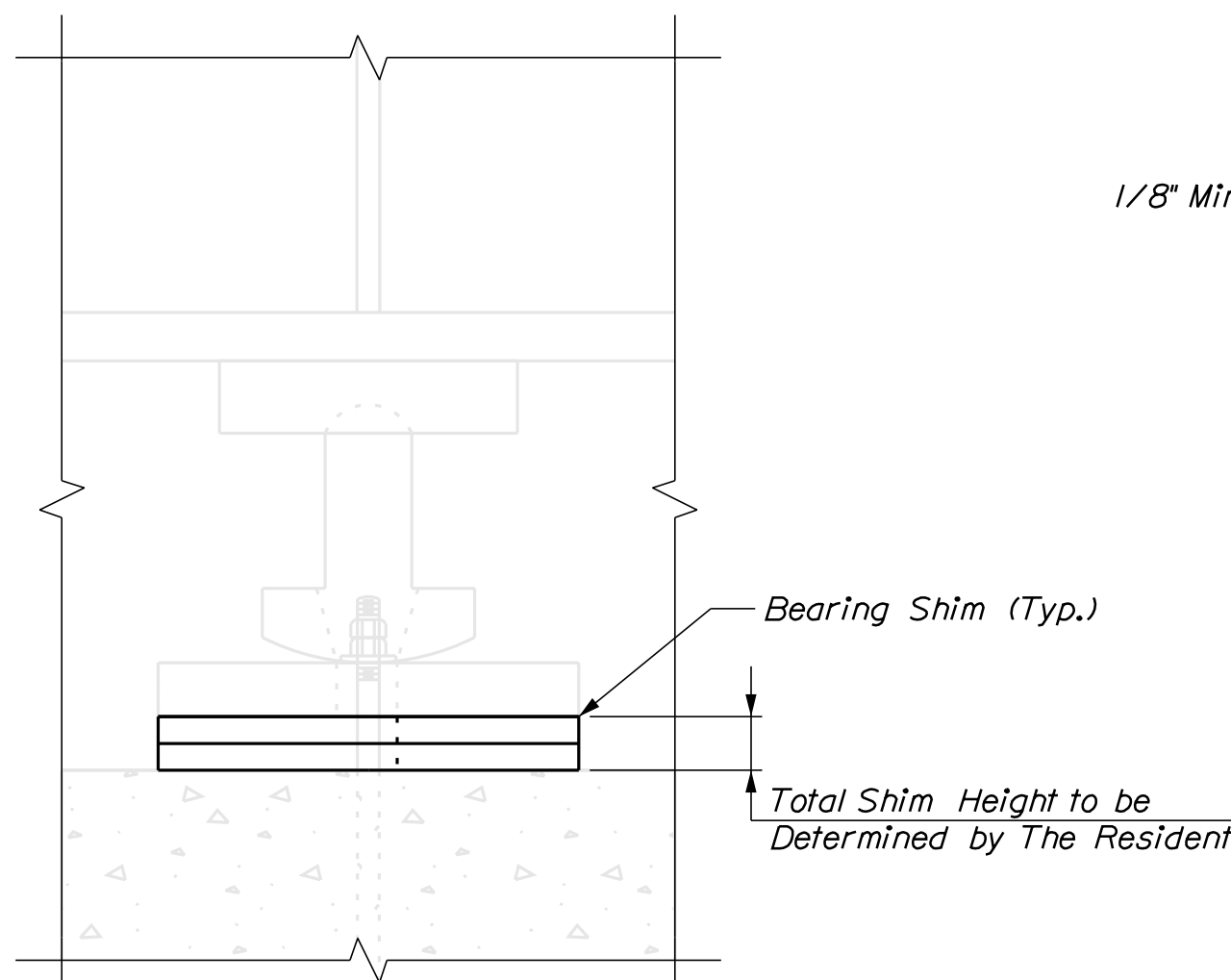
Filename: ... \011 - 5834 Royal River NB.dgn



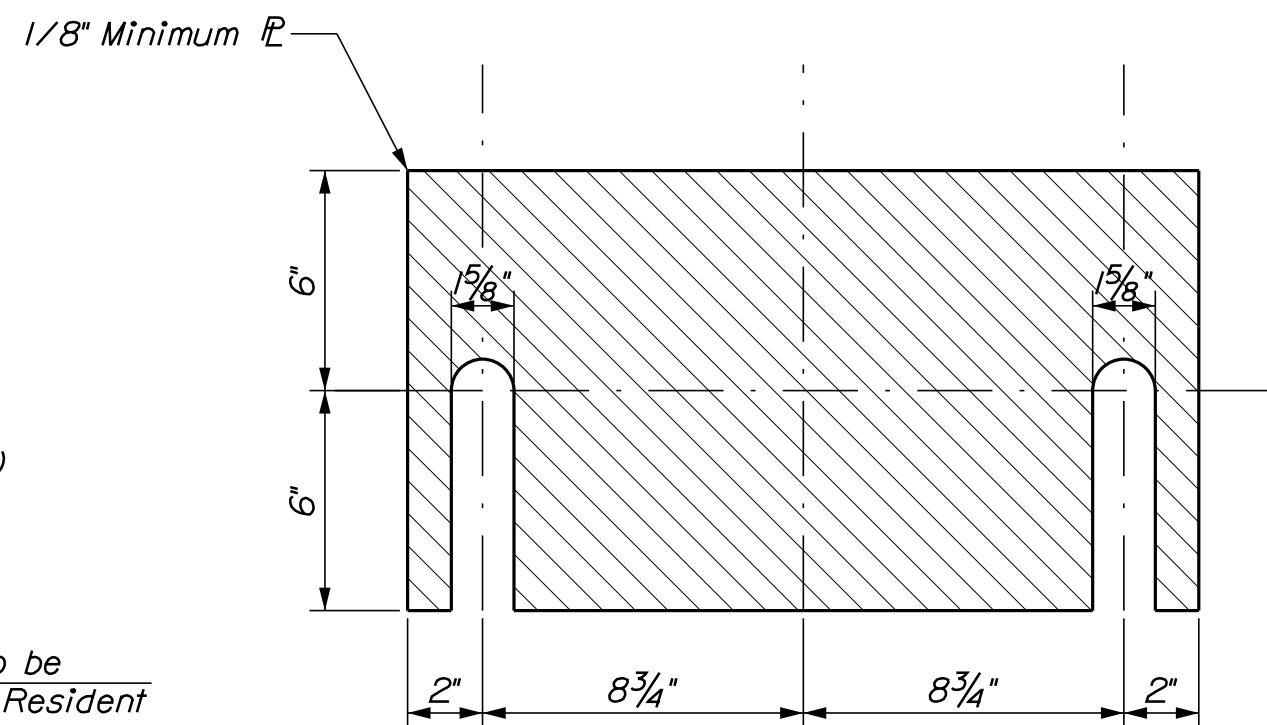
INTERSTATE 295 NORTHBOUND OVER ROYAL RIVER
Yarmouth - Bridge No. 5834



TRANSVERSE SECTION



BEARING SHIM DETAIL



SHIM PLATE DETAIL

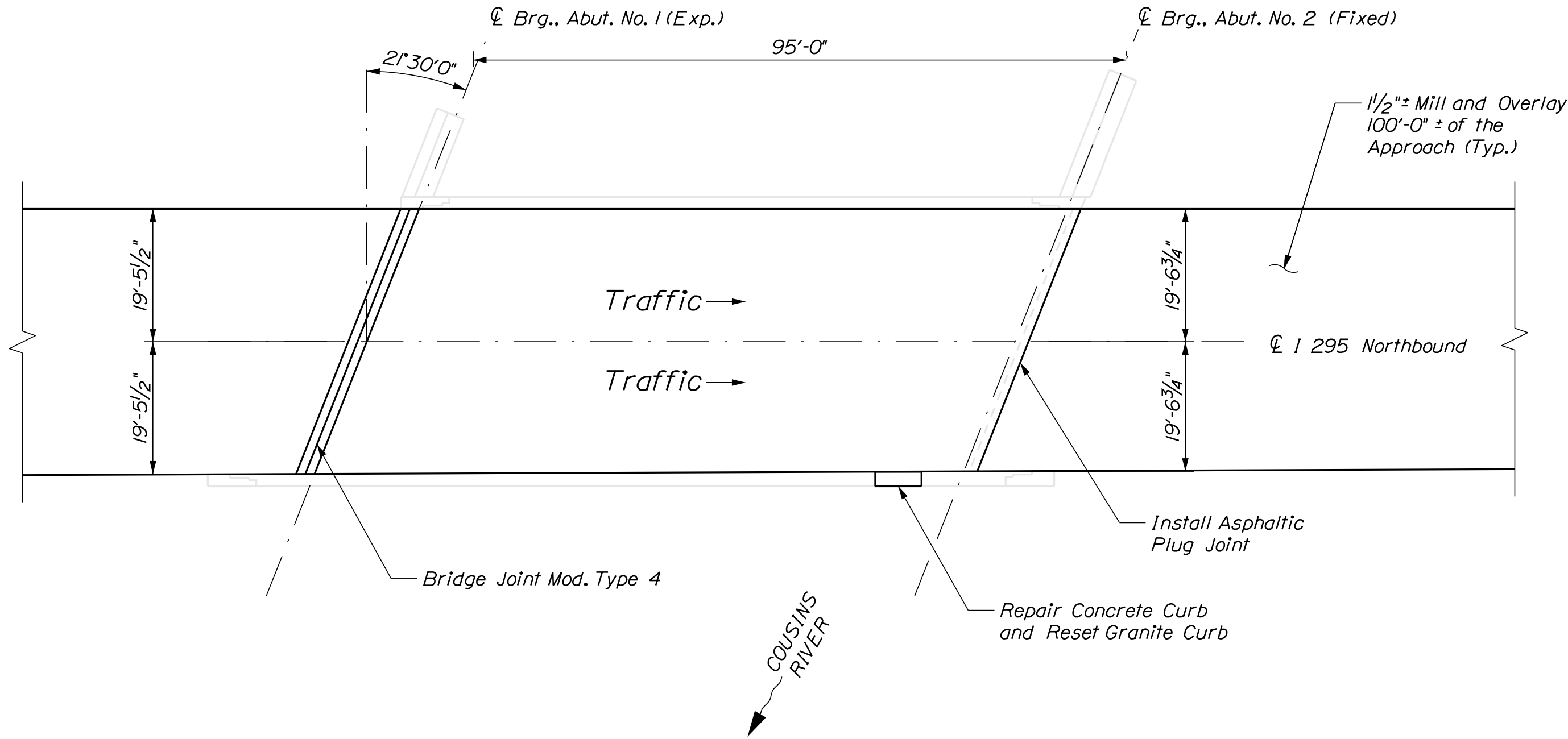
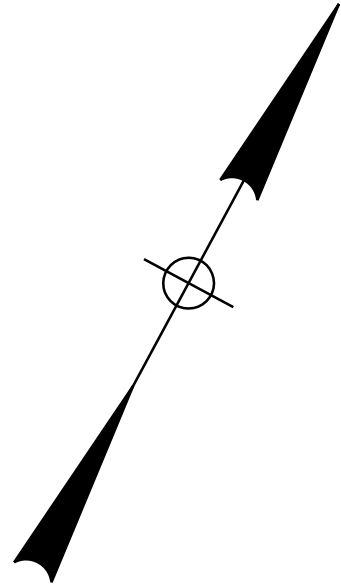
MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately 1 3/4"
The Movement Rating of Abutment No. 2 is approximately 3/4"

BEARING SHIM NOTES:

- Contractor shall field measure and select the shim plate's thickness that will properly fit the existing bearing gap.
- Other remaining bearings must be resting on the bridge seat properly after the shims have been placed.

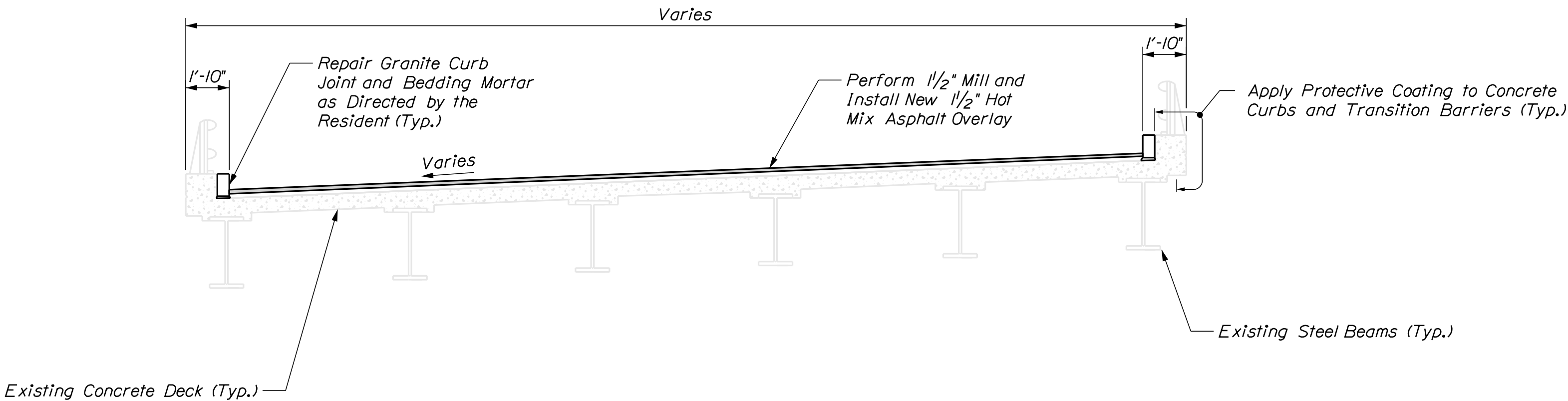
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	2853000		WIN 28530.00		BRIDGE PLANS
	PROJ. MANAGER	TRAVIS HAVEL	BY	DATE	
DESIGN-DETAILED	MJC	MJC	6/7/2025		
CHECKED-REVIEWED	BJR	SMH	6/7/2025		
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY		BRIDGE DETAILS (6 OF 15)			
SHEET NUMBER		11			
		OF 22			



INTERSTATE 295 NORTHBOUND OVER COUSINS RIVER
Yarmouth - Bridge No. 1137

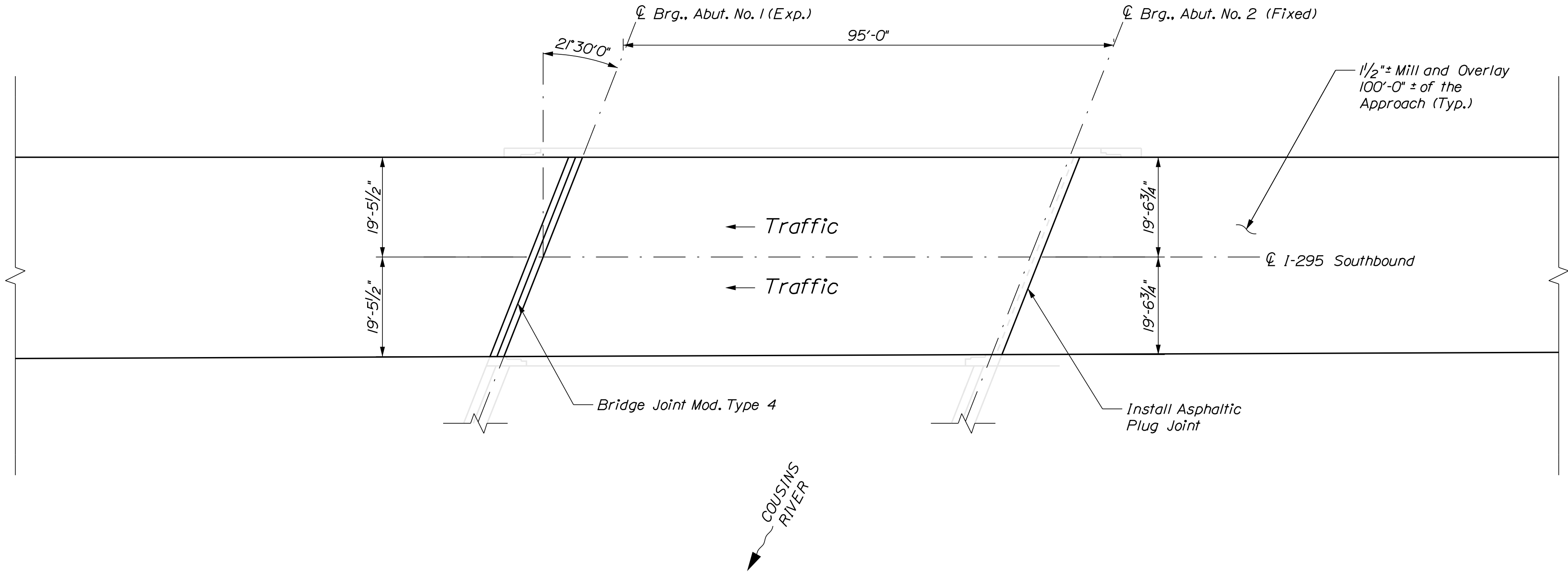
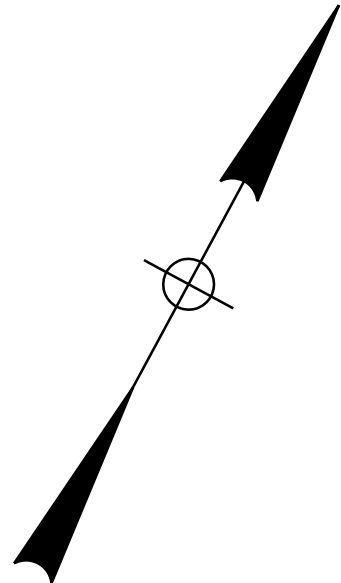
MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately 1/4"



TRANSVERSE SECTION

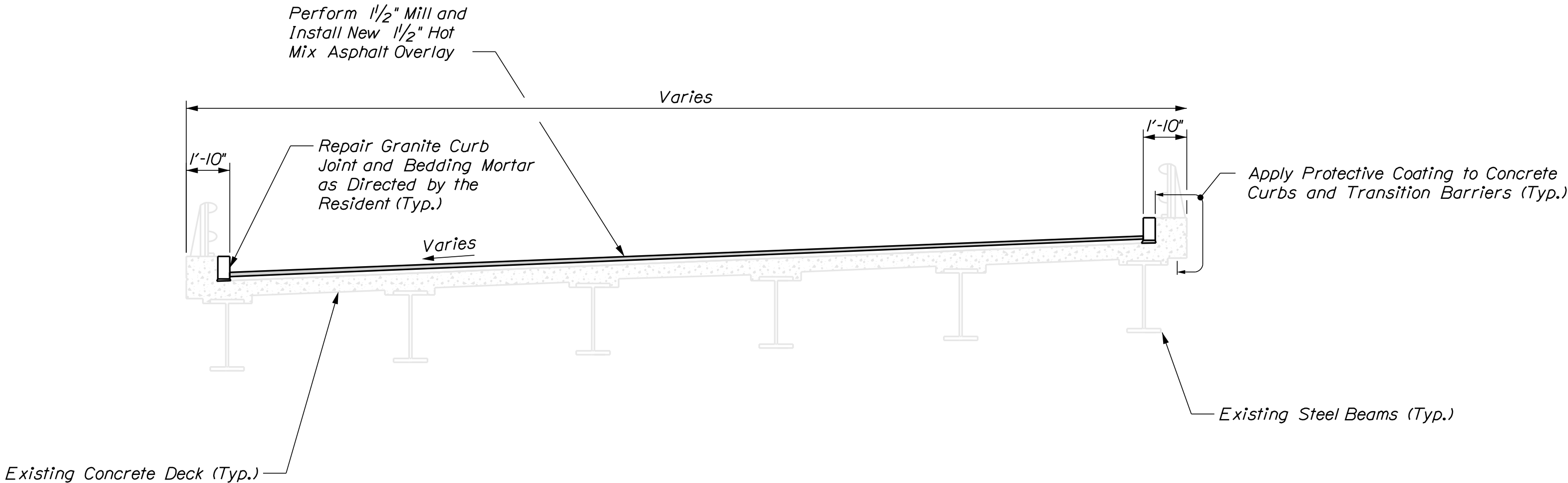
STATE OF MAINE DEPARTMENT OF TRANSPORTATION					DATE 6/17/2025 6/17/2025
	2853000				BY MJC SMH
	WIN 28530.00				TRAVIS HAMEL MJC SMH
INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY					DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES
BRIDGE DETAILS (7 OF 15)					SHEET NUMBER 12 OF 22



INTERSTATE 295 SOUTHBOUND OVER COUSINS RIVER
Yarmouth - Bridge No. 1138

MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately 1/4"



TRANSVERSE SECTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2853000

WIN
28530.00

BRIDGE PLANS

PROJ. MANAGER	TRAVIS HAMEL	BY	DATE
DESIGN-DETAILED	MIC	MIC	6/17/2025
CHECKED-REVIEWED	BAR	SMH	6/17/2025
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

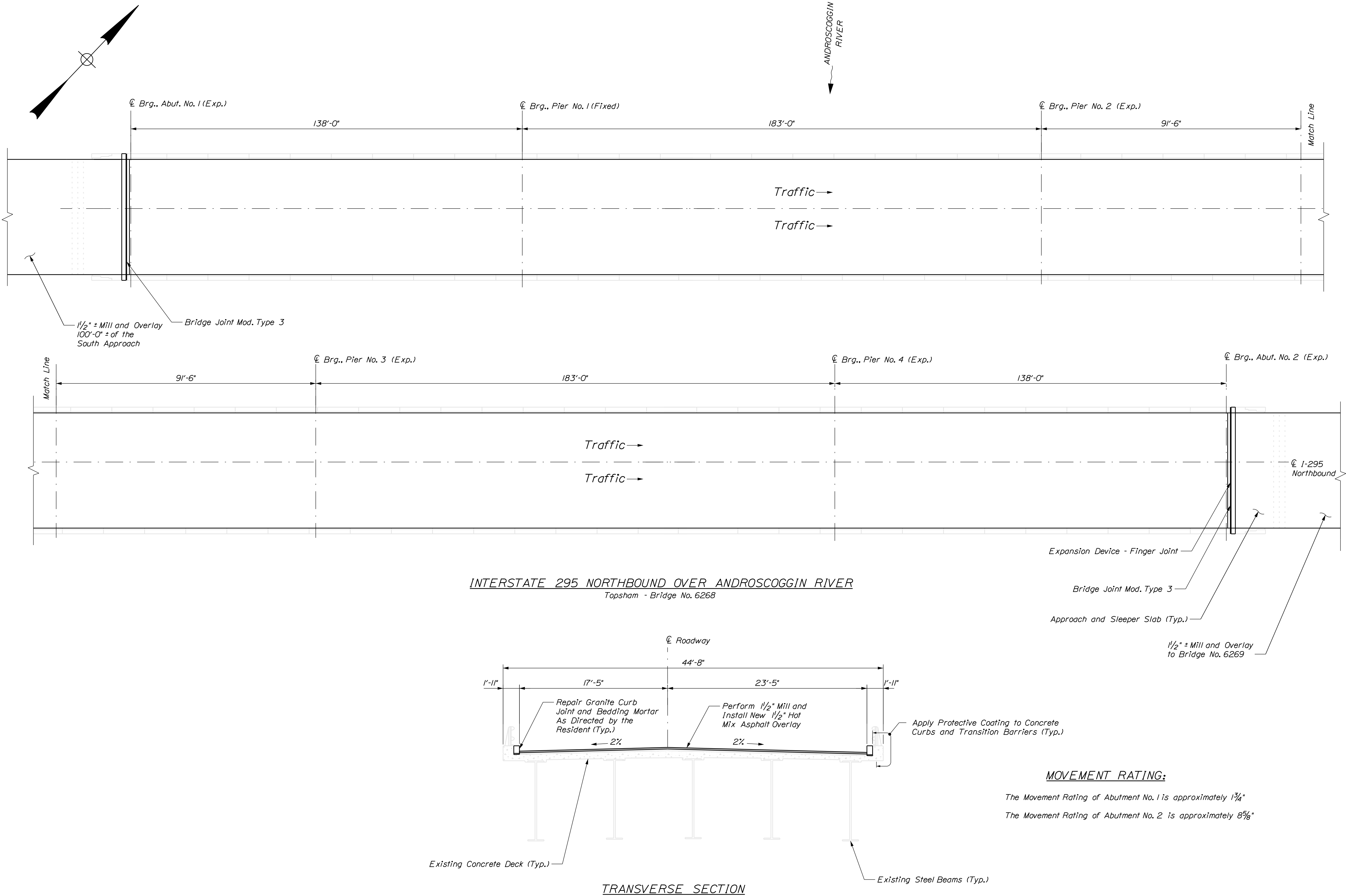
INTERSTATE 295 BRIDGE JOINT
PRESERVATION FALMOUTH TO TOPSHAM
CUMBERLAND & SAGadahoc COUNTY

BRIDGE DETAILS
(8 OF 15)

SHEET NUMBER

13

OF 22



STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

2853000

WIN

28530.00

BRIDGE PLANS

		DATE	6/7/2025
		BY	MUC SMH
PROJ. MANAGER	TRAVIS HAMEL	DESIGN-DETAILED	MUC
CHECKED-REVIEWED	BAR	DESIGN-DETAILED	SMH
DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 BRIDGE JOINT

PRESERVATION FALMOUTH TO TOPSHAM

CUMBERLAND & SAGadahoc COUNTY

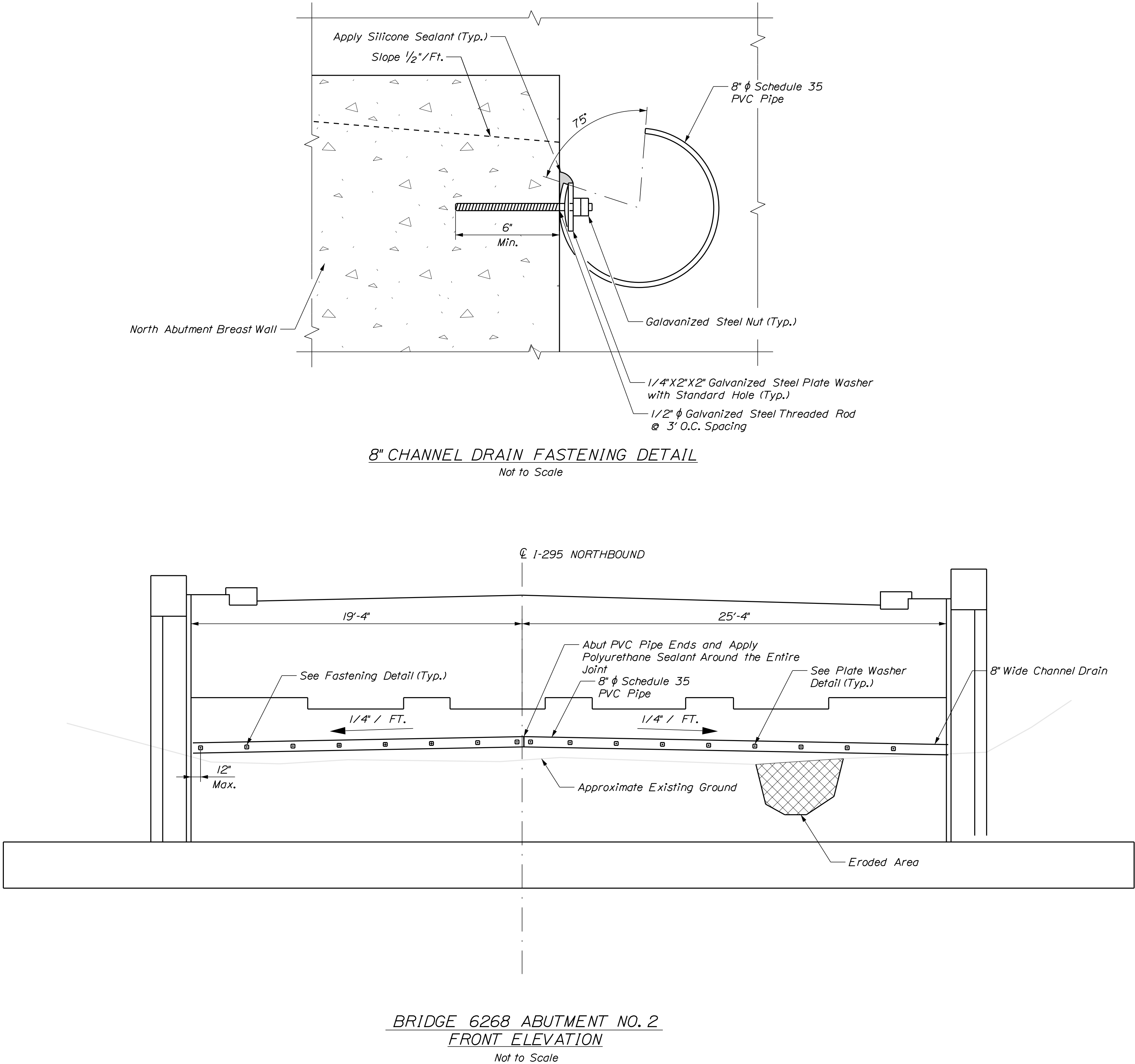
BRIDGE DETAILS

(9 OF 15)

SHEET NUMBER

14

OF 22



STATE OF MAINE

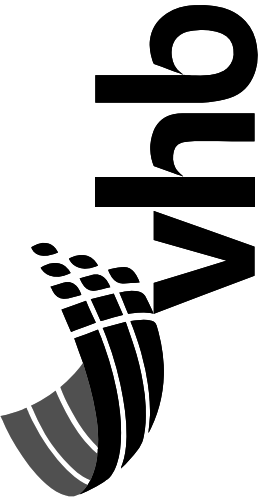
DEPARTMENT OF TRANSPORTATION

2853000

WIN

28530.00

BRIDGE PLANS



PROJ. MANAGER	TRAVIS HAMEL	BY	DATE
DESIGN-DETAILED	MIC	MIC	6/7/2025
CHECKED-REVIEWED	BAR	SMH	6/7/2025
DESIGN-DETAILED	DESIGN-DETAILED3		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 BRIDGE JOINT

PRESERVATION FALMOUTH TO TOPSHAM

CUMBERLAND & SAGadahoc COUNTY

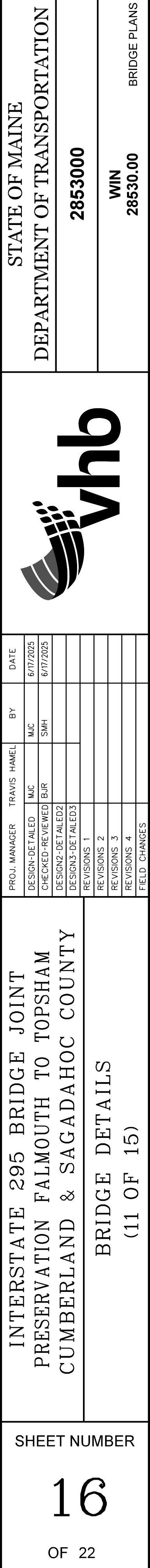
BRIDGE DETAILS

(10 OF 15)

SHEET NUMBER

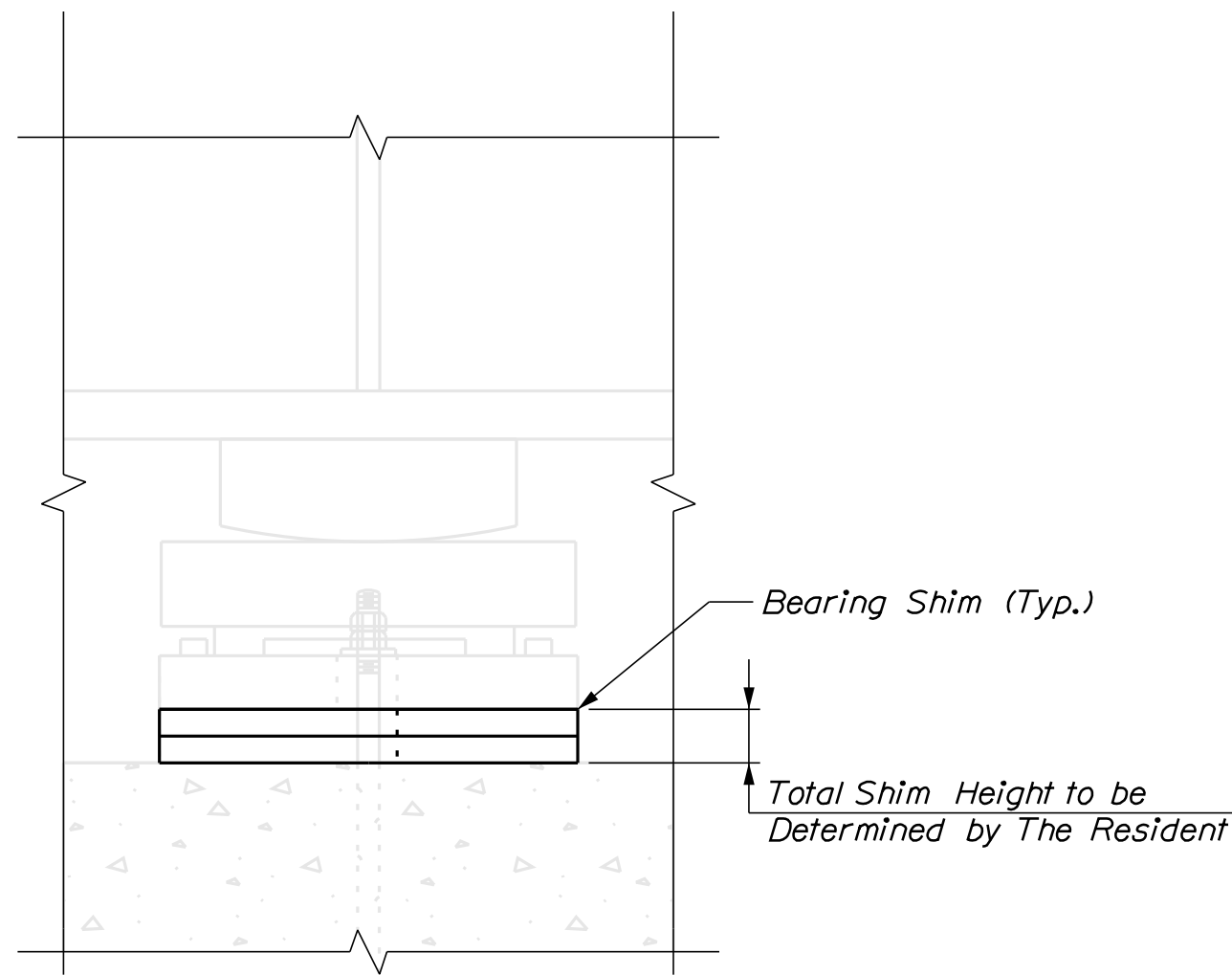
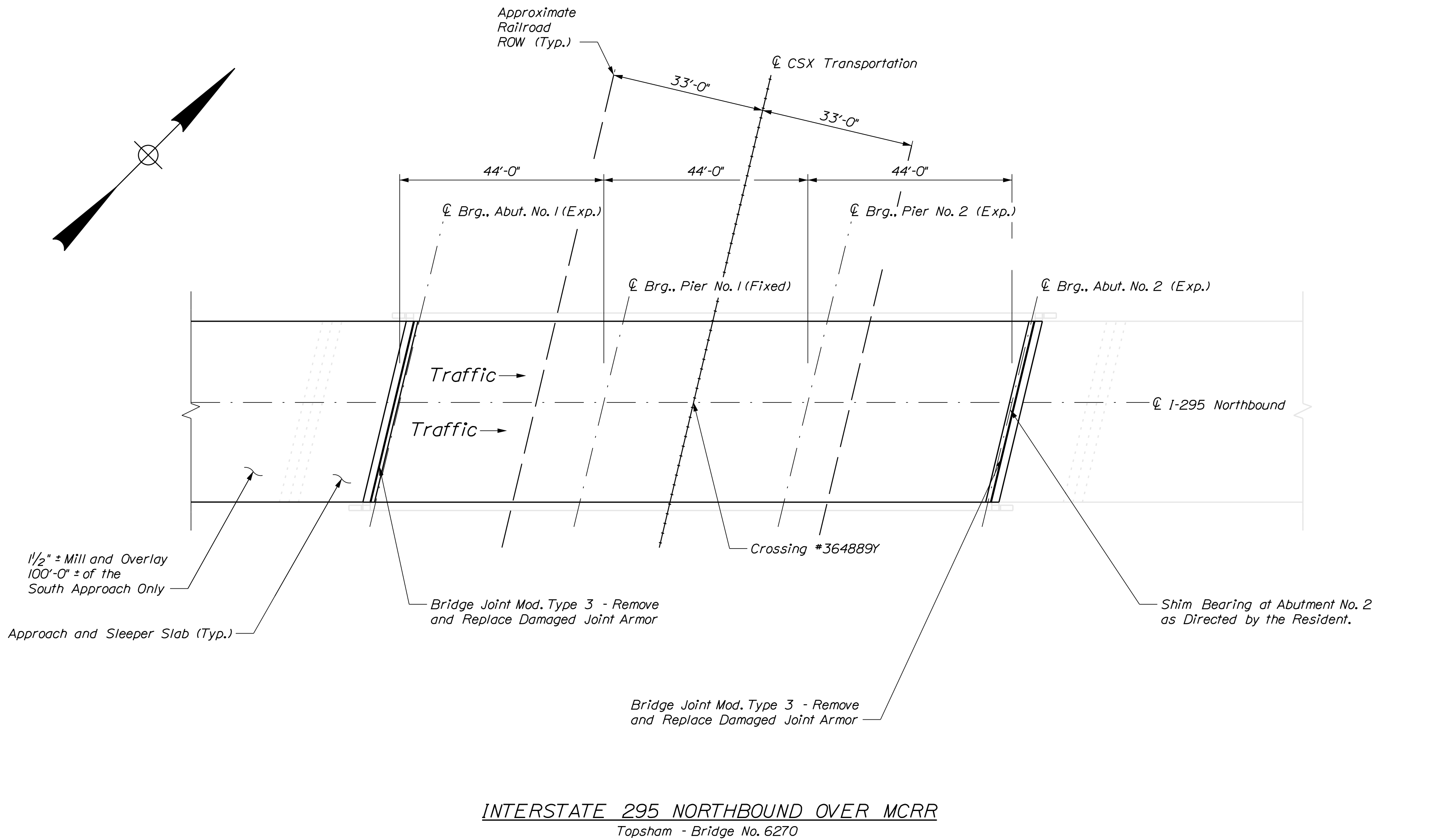
15

OF 22

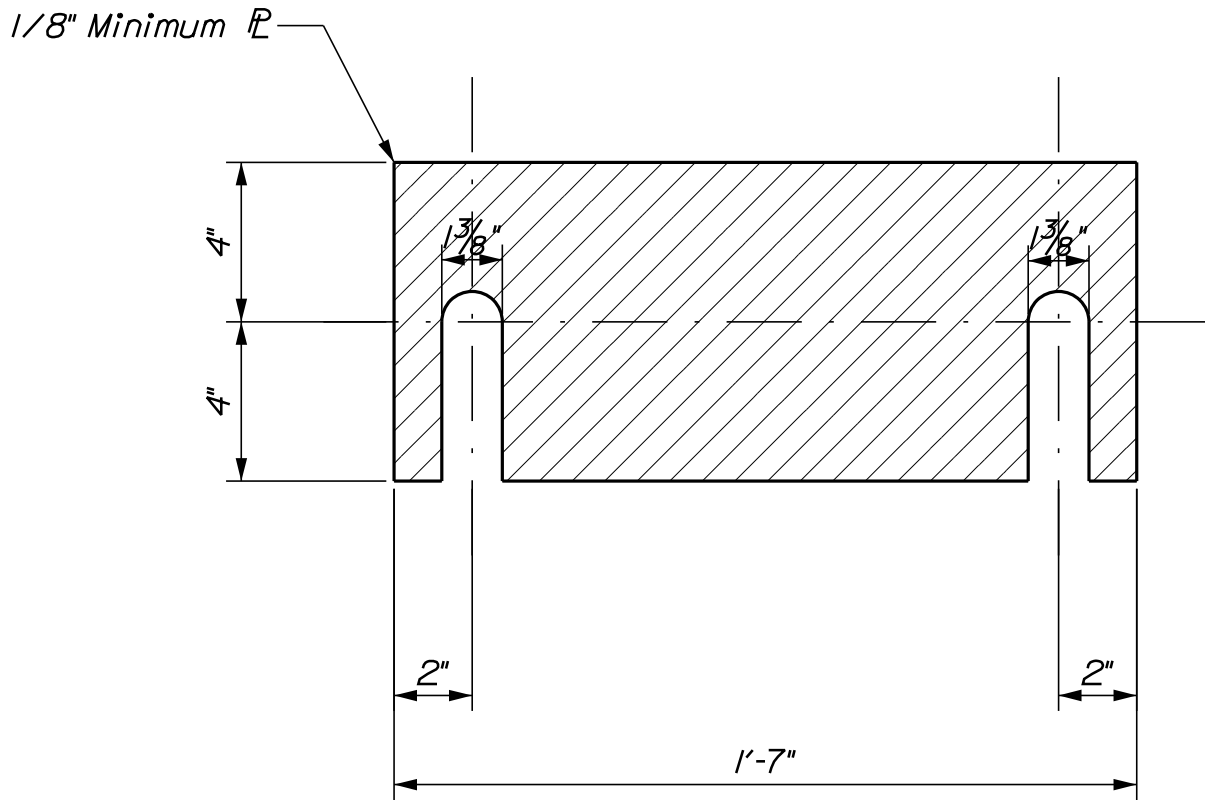




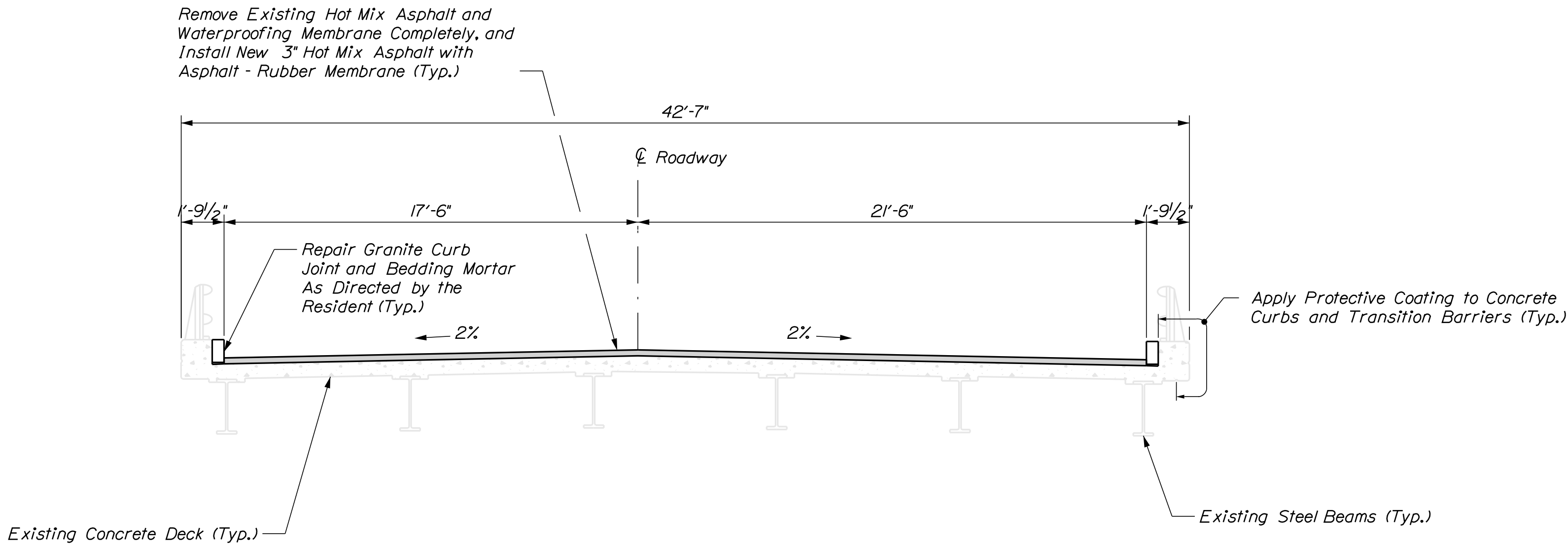




BEARING SHIM DETAIL



SHIM PLATE DETAIL



TRANSVERSE SECTION

MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately 5/8"

The Movement Rating of Abutment No. 2 is approximately 1 1/8"

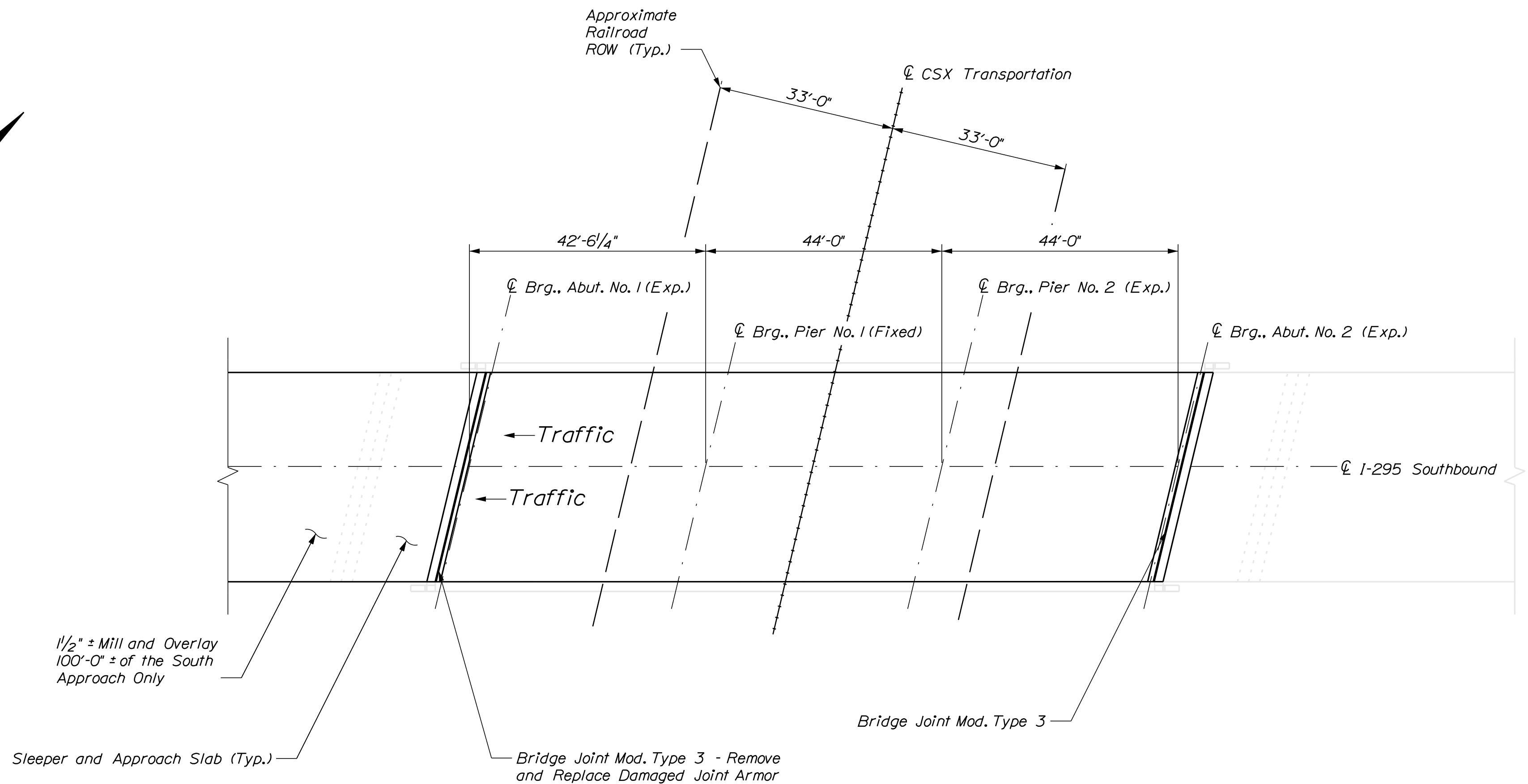
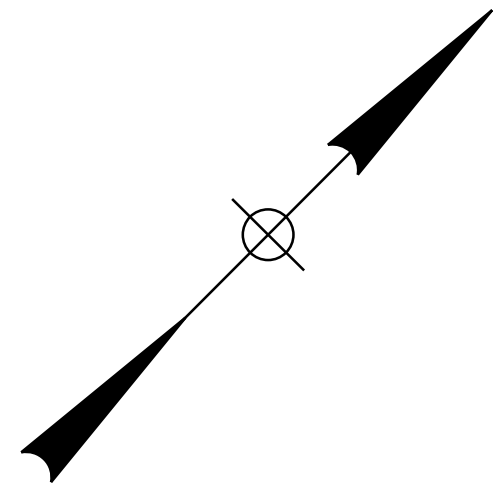
BEARING SHIM NOTES:

- Contractor shall field measure and select the shim plate's thickness that will properly fit the existing bearing gap.
- Other remaining bearings must be resting on the bridge seat properly after the shims have been placed.

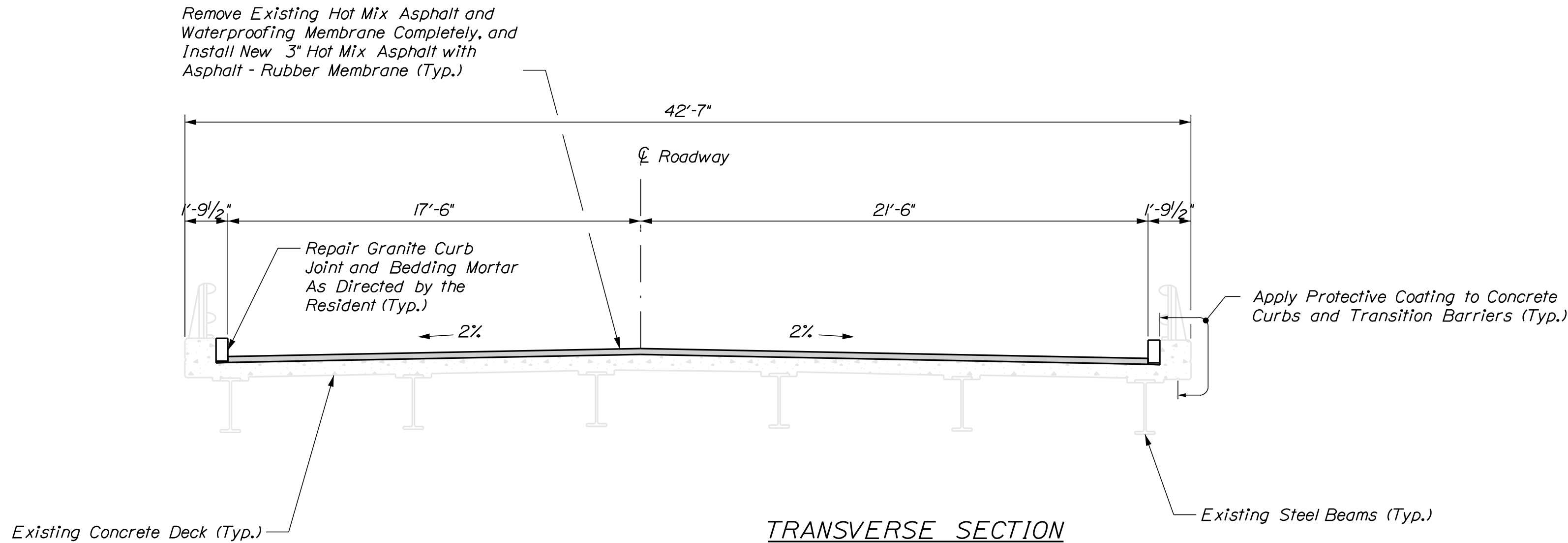
RAILROAD NOTES:

- Crossing #364889Y is located at approximately CSX milepost 31.35 (GPS 43.9347900,-69.9874250).
- CSX milepost (MLL 31.6273) is approximately 1,464 feet North of Bridge #6270 along the centerline of track.
- CSX milepost 31.00 is approximately 1,869 feet south of Bridge #6270 along the centerline of track.
- All approximate distances were referenced from as built plans and railroad VAL plans.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	2853000		WIN 28530.00		BRIDGE PLANS
INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY			BRIDGE DETAILS (14 of 15)		
SHEET NUMBER			19		
			OF 22		



INTERSTATE 295 SOUTHBOUND OVER MCRR
Topsham - Bridge No. 1512



TRANSVERSE SECTION

MOVEMENT RATING:

The Movement Rating of Abutment No. 1 is approximately $\frac{5}{8}$ "

The Movement Rating of Abutment No. 2 is approximately $\frac{11}{8}$ "

RAILROAD NOTES:

1. Crossing #364889Y is located at approximately CSX milepost 31.35 (GPS 43.9347900,-69.9874250).
2. CSX milepost (MLL 31.6273) is approximately 1,314 feet North of Bridge #1512 along the centerline of track.
3. CSX milepost 31.00 is approximately 2,020 feet south of Bridge #1512 along the centerline of track.
4. All approximate distances were referenced from as built plans and railroad VAL plans.

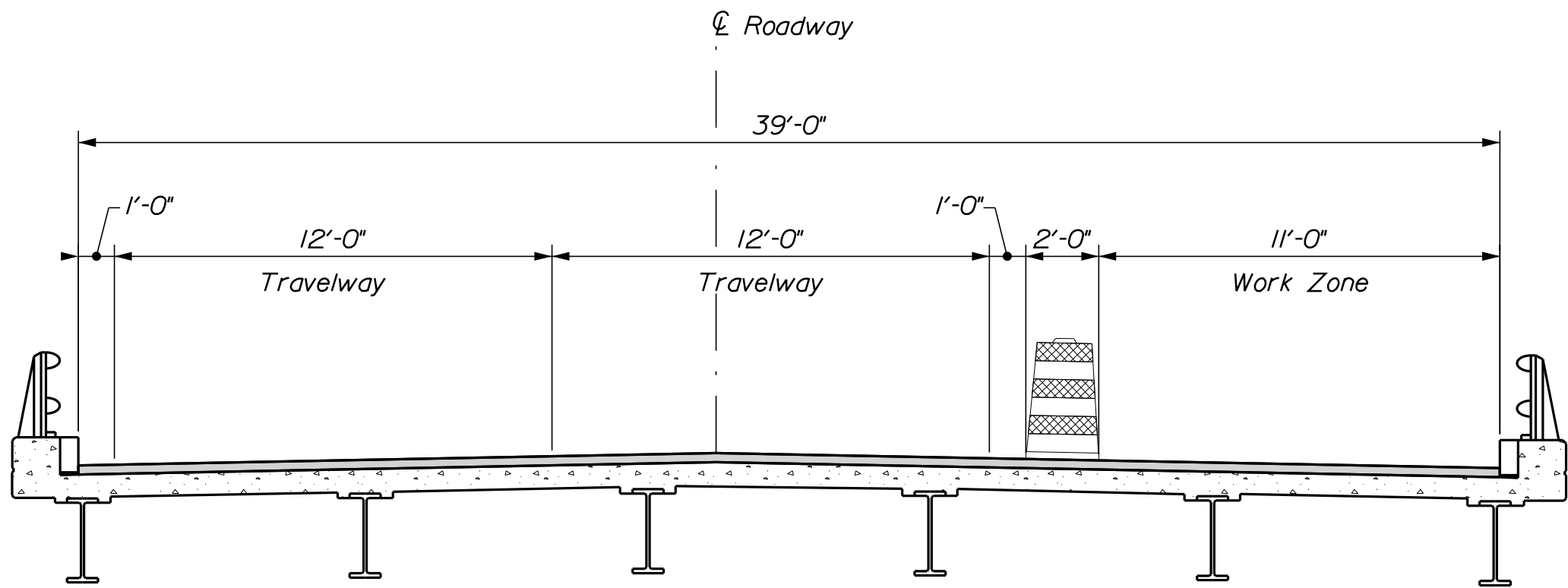
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2853000		WIN 28530.00		BRIDGE PLANS	
		DATE		BY		PROJECT MANAGER	
		6/17/2025		MJC		DESIGN-DETAILED	
		6/17/2025		SMH		CHECKED-REVIEWED	
						DESIGN-DETAILED	
						DESIGN-DETAILED	
						DESIGN-DETAILED	
						REVISIONS 1	
						REVISIONS 2	
						REVISIONS 3	
						REVISIONS 4	
						FIELD CHANGES	
INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY		BRIDGE DETAILS (15 OF 15)					
SHEET NUMBER		20					
		OF 22					

Date:6/17/2025

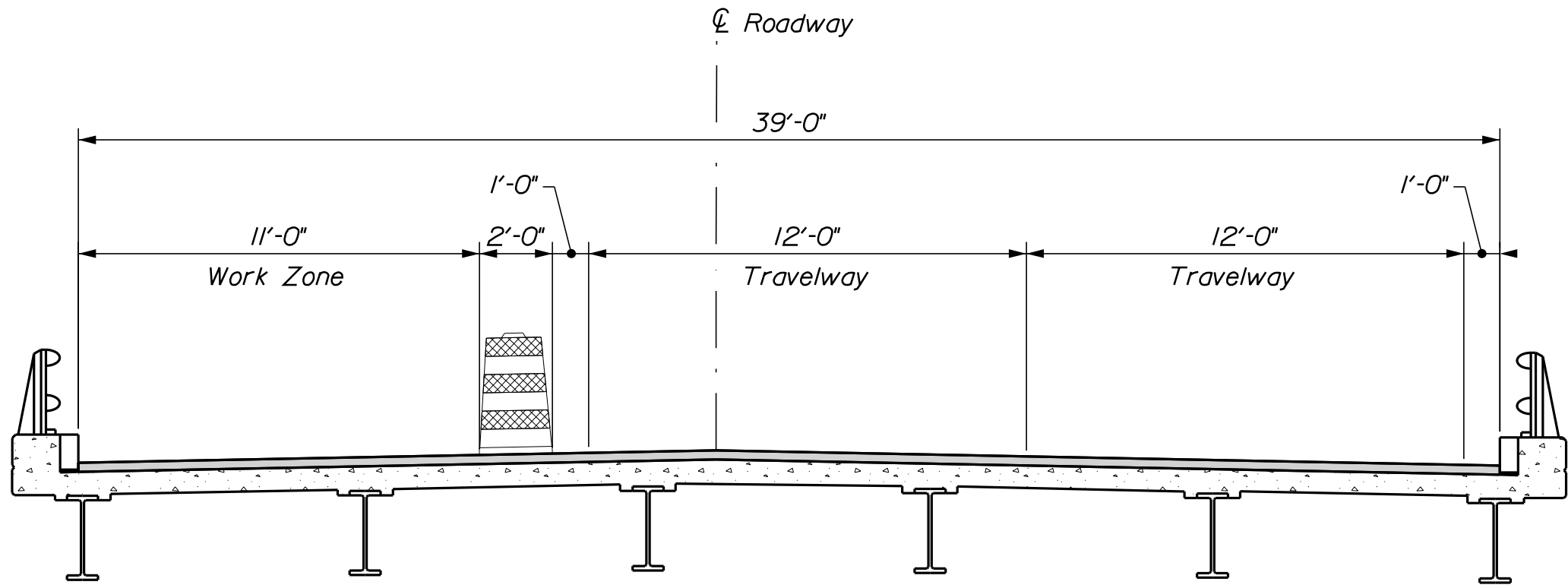
Username: mchipman

Division: HIGHWAY

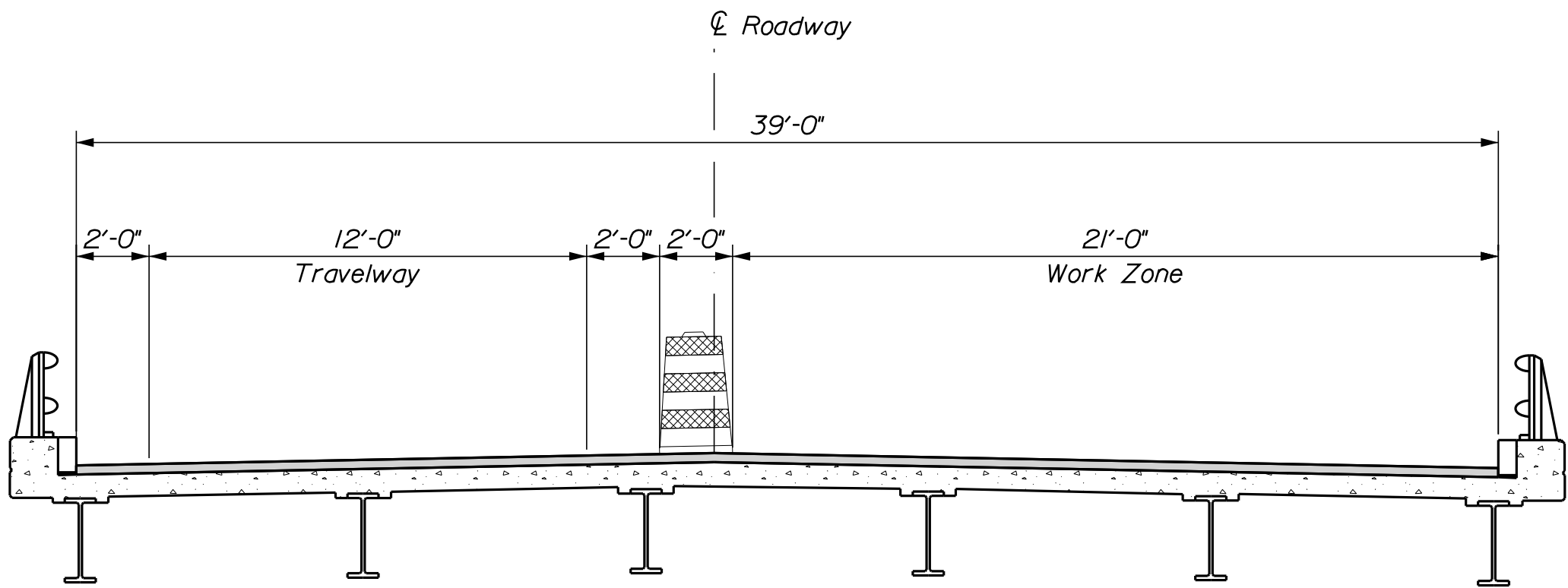
Filename: ...\\MSTA\\021 - TCP Phase T1.dgn



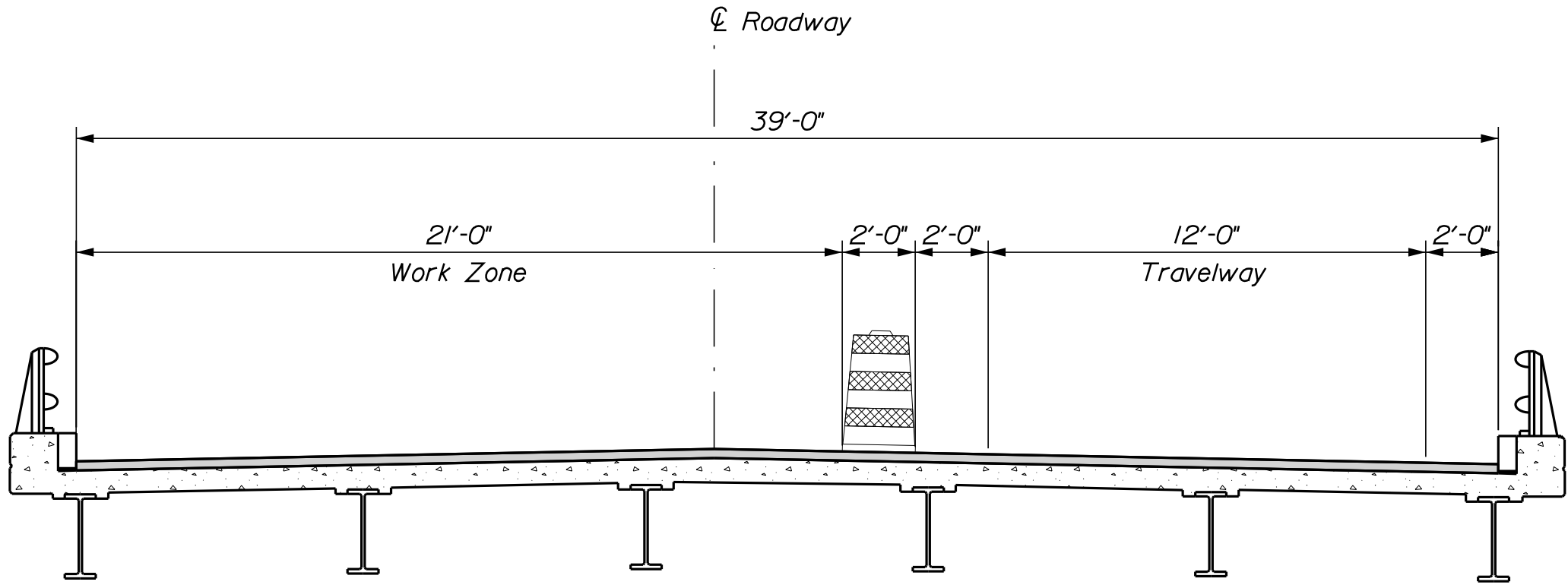
PHASE T1 - DAYTIME LANE SHIFTS & RIGHT SHOULDER CLOSURE



PHASE T2 - DAYTIME LANE SHIFTS & LEFT SHOULDER CLOSURE



PHASE T3 - NIGHTTIME RIGHT LANE CLOSURE



PHASE T4 - NIGHTTIME LEFT LANE CLOSURE

- SHEET NOTES:**
1. MCRR Bridge shown (Bridge No. 6270, & 1512), bridges in the Topsham area similar (Bridge No.'s 1511, 6269, 1510 and 6268).
 2. Androscoggin River Bridge and River Road Bridge are 40'-10" face of rail to face of rail.

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

2853000

WIN

28530.00

BRIDGE PLANS

PROJ. MANAGER	DATE	BY	TRAVIS HAMEL	
DESIGN-DETAILED	6/17/2025	MIC		
CHECKED-REVIEWED	6/17/2025	SMH		
DESIGN-DETAILED				
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

INTERSTATE 295 BRIDGE JOINT PRESERVATION FALMOUTH TO TOPSHAM CUMBERLAND & SAGadahoc COUNTY

TCP PHASES - TOPSHAM

SHEET NUMBER

21

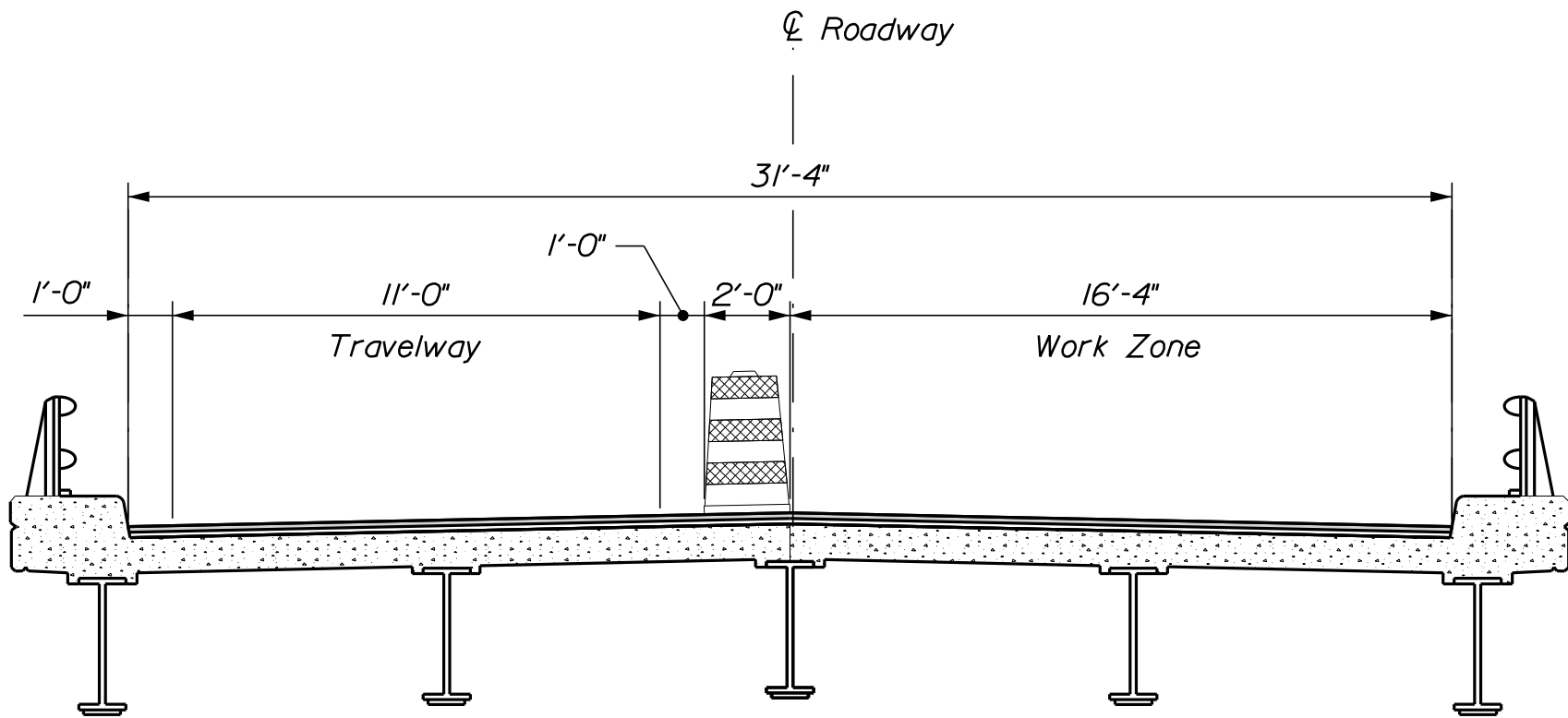
OF 22

Date:6/17/2025

Username: mchipman

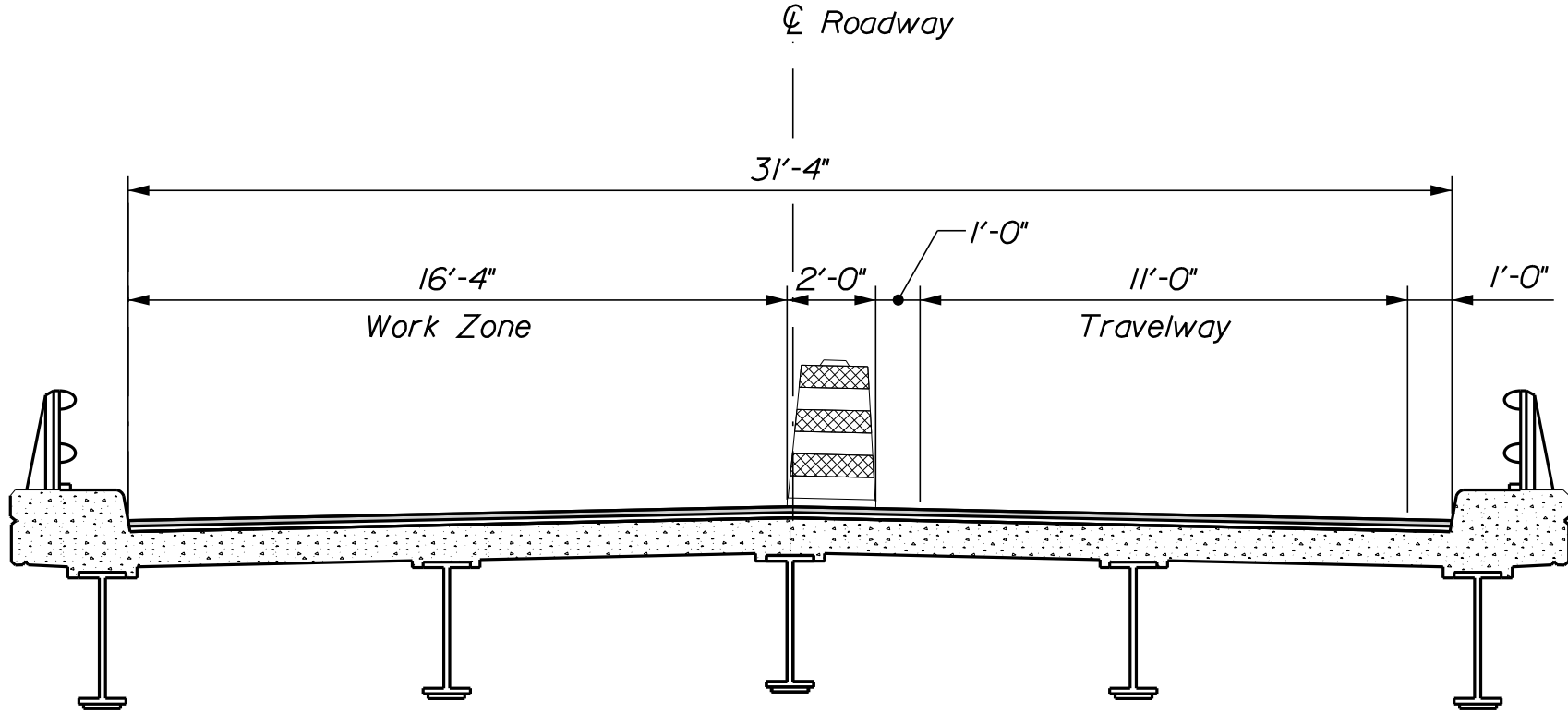
Division: HIGHWAY

Filename: ...\\MSTA\\022 - TCP Phase Y1.dgn



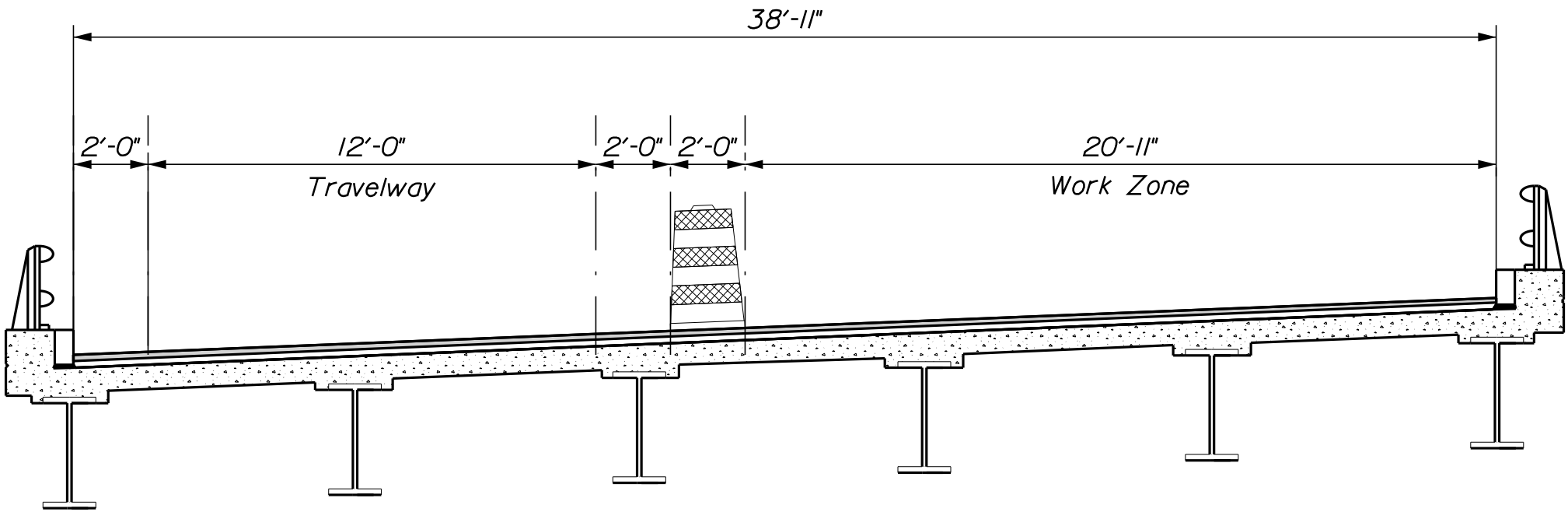
PHASE YF1 - NIGHTTIME
LEFT LANE CLOSURE

Royal River Bridge shown (Bridge No.'s 1508 & 5834),
Presumpscot River Bridge similar (Bridge No.'s 5828 & 1505).



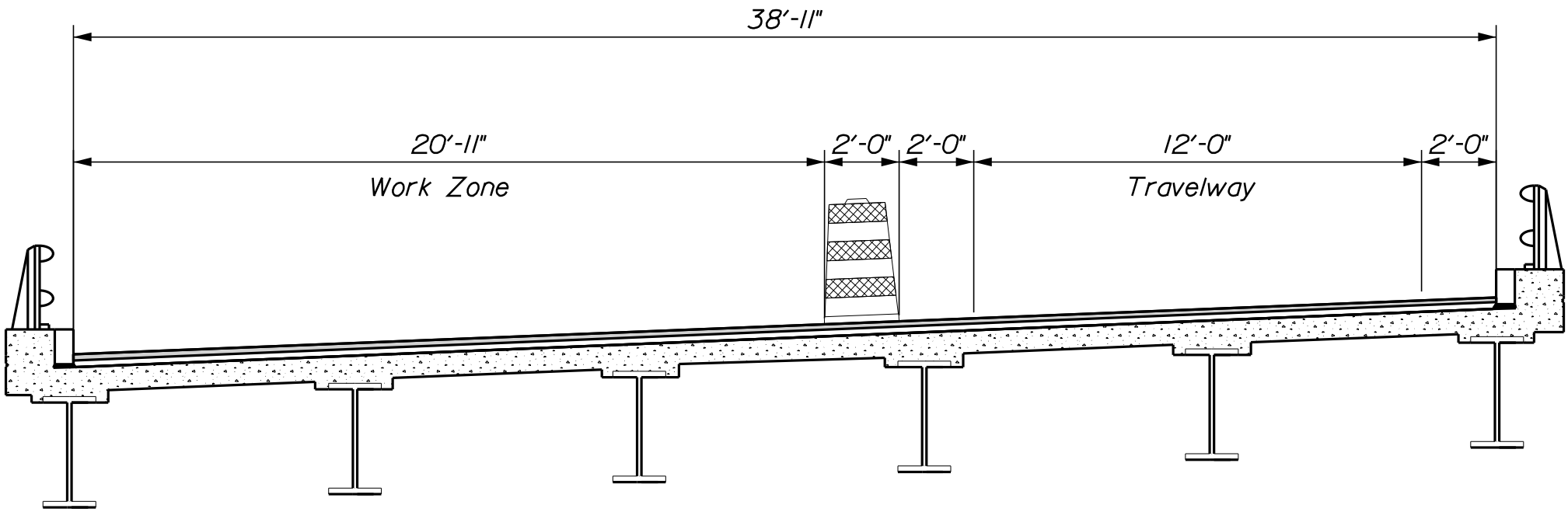
PHASE YF2 - NIGHTTIME
RIGHT LANE CLOSURE

Royal River Bridge shown (Bridge No.'s 1508 & 5834),
Presumpscot River Bridge similar (Bridge No.'s 5828 & 1505).



PHASE YF3 - NIGHTTIME
RIGHT LANE CLOSURE

Cousin's River Bridge shown (Bridge No.'s 1137 & 1138),
Route 88 Bridge similar (Bridge No.'s 5832 & 1507).



PHASE YF4 - NIGHTTIME
LEFT LANE CLOSURE

Cousin's River Bridge shown (Bridge No.'s 1137 & 1138),
Route 88 Bridge similar (Bridge No.'s 5832 & 1507).

SHEET NOTES:

1. Daytime lane shifts or lane closures shall not be permitted.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2853000

WIN
28530.00

BRIDGE PLANS

PROJ. MANAGER	TRAVIS HAVEL	BY	DATE
DESIGN-DETAILED	MIC	MIC	6/17/2025
CHECKED-REVIEWED	BAR	SMH	6/17/2025
DESIGN-DETAILED	DESIGN-DETAILED		
REVISIONS	1		
REVISIONS	2		
REVISIONS	3		
REVISIONS	4		
FIELD CHANGES			

INTERSTATE 295 BRIDGE JOINT
PRESERVATION FALMOUTH TO TOPSHAM
CUMBERLAND & SAGadahoc COUNTY

TCP PHASES - YARMOUTH & FALMOUTH

SHEET NUMBER

22

OF 22