

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

DESIGN LOADING

Live Load HL - 93

LIST OF DRAWINGS

Title Sheet	1
Estimated Quantities & General Notes	2
General Plan	3
Typical Section	4
Staged Construction	5

BRUNSWICK CUMBERLAND COUNTY RIVER ROAD BRIDGE OVER I-295 RIVER ROAD FEDERAL PROJECT NO. 2515100 PROJECT LENGTH 0.071 mi. BRIDGE NO. 6267

UTILITIES

Central Maine Power
Consolidated Communications

TRAFFIC DATA

Current (2023) AADT	3,060
Future (2043) AADT	3,370
DHV - % of AADT	10
Design Hour Volume	324
Heavy Trucks (% of AADT)	6
Heavy Trucks (% of DHV)	4
Directional Distribution (% of DHV)	65
18 kip Equivalent P 2.0	83
18 kip Equivalent P 2.5	79
Design Speed (mph)	40

MAINTENANCE OF TRAFFIC

Maintain one 12'-0" wide lane of alternating one - way traffic using traffic signals.

PROJECT LOCATION	River Road Bridge over Interstate 295, Located 0.22 of a mile north west of Fox Run Drive. Lat./Long. 43°55'40" N 69°59'58" W
PROGRAM AREA	Highway Bridge Traditional
OUTLINE OF WORK	Bridge Wearing Surface Replacement

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

COMMISSIONER: *[Signature]* DATE: 6/29/23
DEPUTY CHIEF ENGINEER: *[Signature]*

STATE OF MAINE
PROFESSIONAL ENGINEER

GARRETT A. GUSTAFSON
13853
6-16-23

SIGNATURE: *[Signature]*
P.E. NUMBER: 13553
DATE: 6-16-23

PROJECT INFORMATION	
PROGRAM	BRIDGE PROGRAM
PROJECT MANAGER	BRIAN NICHOLS
DESIGNER	BRIAN NICHOLS
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

2515100 WIN 025151.00

BRUNSWICK
RIVER ROAD BRIDGE

TITLE SHEET

SHEET NUMBER
1
OF 5

Filename: \\00\BRIDGE\MSTA\001_Title.dgn
 Division: BRIDGE
 Username: Brian.Nichols
 Date: 6/15/2023

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.127	REMOVING OF EXISTING BITUMINOUS PAVEMENT (930 SY)	1	LS
202.202	REMOVING PAVEMENT SURFACE	220	SY
403.208	HOT MIX ASPHALT 12.5 MM SURFACE	100	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	100	T
409.15	BITUMINOUS TACK COAT - APPLIED	50	G
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (960 SY)	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (190 SY)	1	LS
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	420	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN.	90	SF
520.2403	BRIDGE JOINT MODIFICATION TYPE 3	2	EA
526.301	TEMPORARY CONCRETE BARRIER, TYPE 1 (530 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	2	UN
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1120	LF
627.77	REMOVING PAVEMENT MARKINGS	500	SF
627.78	TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	1490	LF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.19	FIELD OFFICE TYPE B	.5	EA
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.312	TYPE III BARRICADE	6	EA
652.33	DRUM	10	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	300	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	40	HR
652.41	PORTABLE CHANGABLE MESSAGE SIGN	2	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. Protective Coating for Concrete Surfaces shall be applied to the following areas:

- All exposed surfaces of concrete curbs, Fascias down to the drip notch, All exposed surfaces of Concrete Transition Barriers.

2. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>

3. The existing bridge plans may be accessed at the MaineDOT web 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.

4. 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 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.

5. The bridge deck evaluation report of the existing bridge may be accessed at the MaineDOT web address. The report contains deck core data of the bridge. There is no assurance that the information or data is a true representation of the conditions of the entire deck.

6. The Contractor may either remove and reset existing joint armor or stabilize joint armor in place until new header concrete is placed. Any work associated with reusing the existing joint armor shall be considered incidental to Item 520.2403, Joint Modification, Type 3.

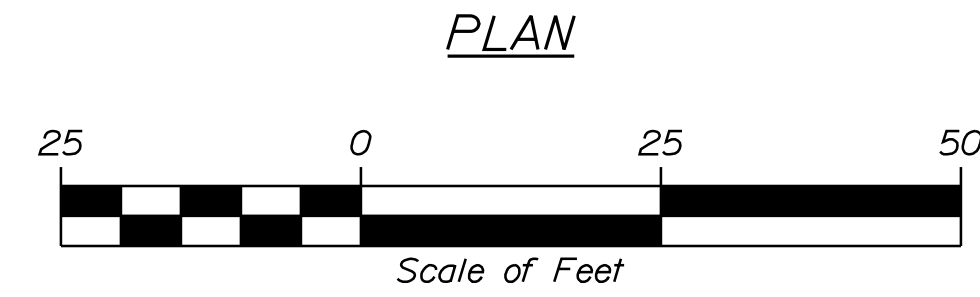
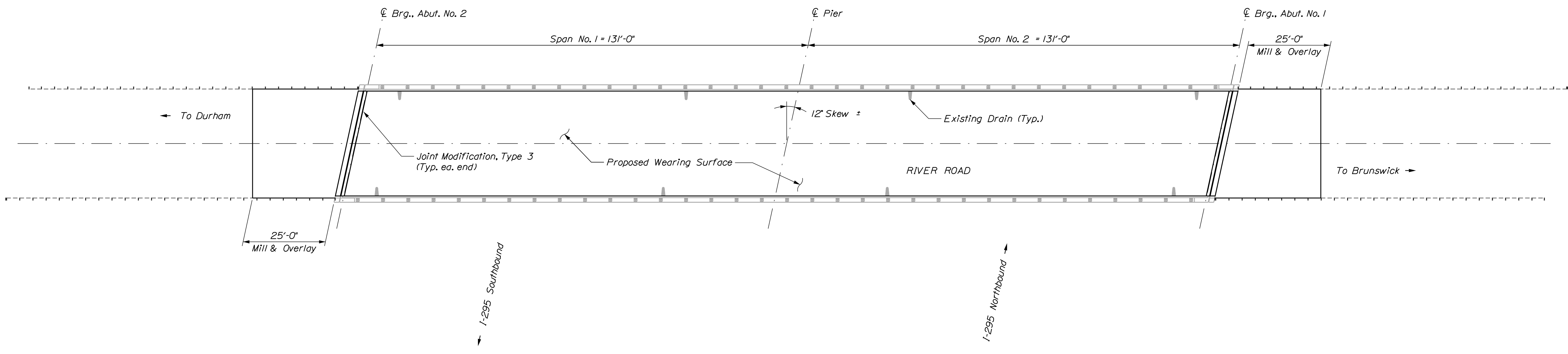
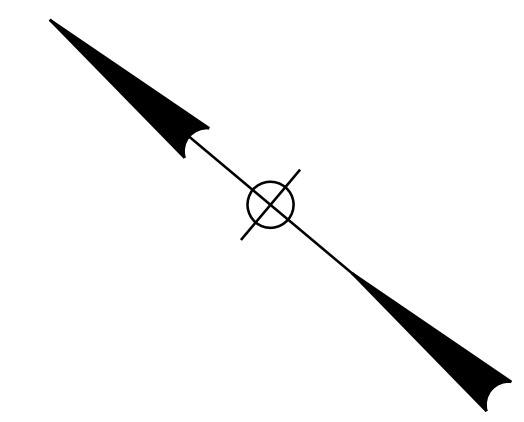
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RIVER ROAD BRIDGE 1-295 BRUNSWICK CUMBERLAND COUNTY		PROJ. MANAGER BRIAN NICHOLS	BY BIN GAG	DATE 6/15/23 6/15/23	SIGNATURE
ESTIMATED QUANTITIES AND GENERAL NOTES		CHECKED-REVIEWED DESIGNS-DETAILED	DESIGNS-DETAILED	REVISIONS 1	P.E. NUMBER
SHEET NUMBER		REVISIONS 2	REVISIONS 3	REVISIONS 4	DATE
2		FIELD CHANGES			
OF 5					

Date: 6/16/2023

Username: Brian.Nichols

Division: BRIDGE

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2515100	
BRUNSWICK CUMBERLAND COUNTY		WIN 025151.00	
RIVER ROAD BRIDGE I-295		BRIDGE NO. 6267	
GENERAL PLAN		BRIDGE PLANS	
SHEET NUMBER			
3			
OF 5			

PROJ. MANAGER	BRIAN NICHOLS	BY	DATE
DESIGN-DETAILED	BN	BN	26/25/2023
CHECKED-REVIEWED			
DESIGN-DETAILED			
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REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

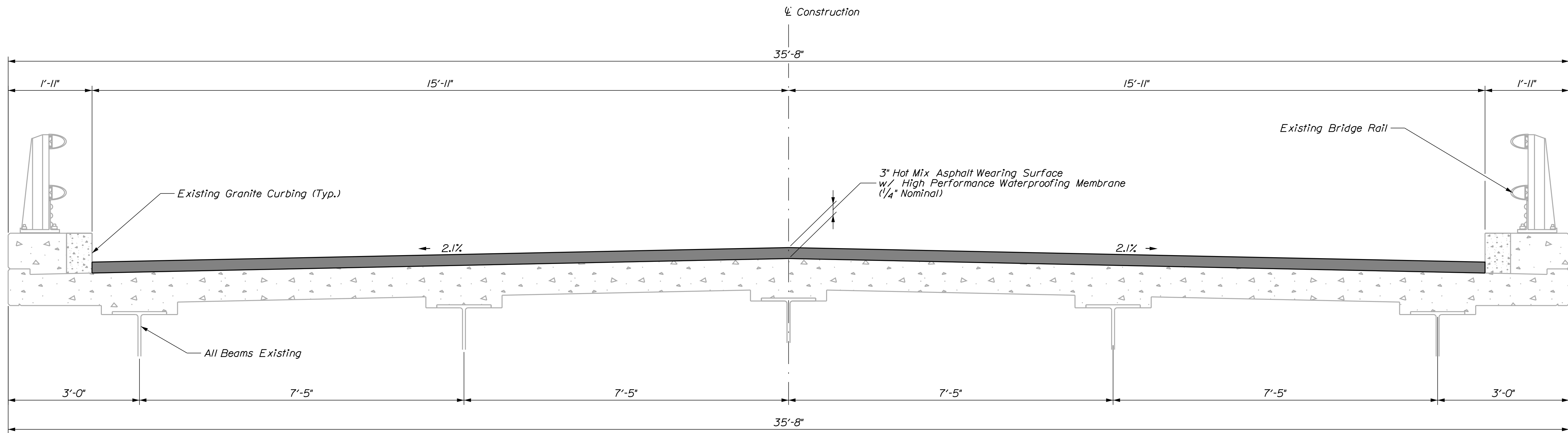
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P.E. NUMBER	

Date: 6/16/2023

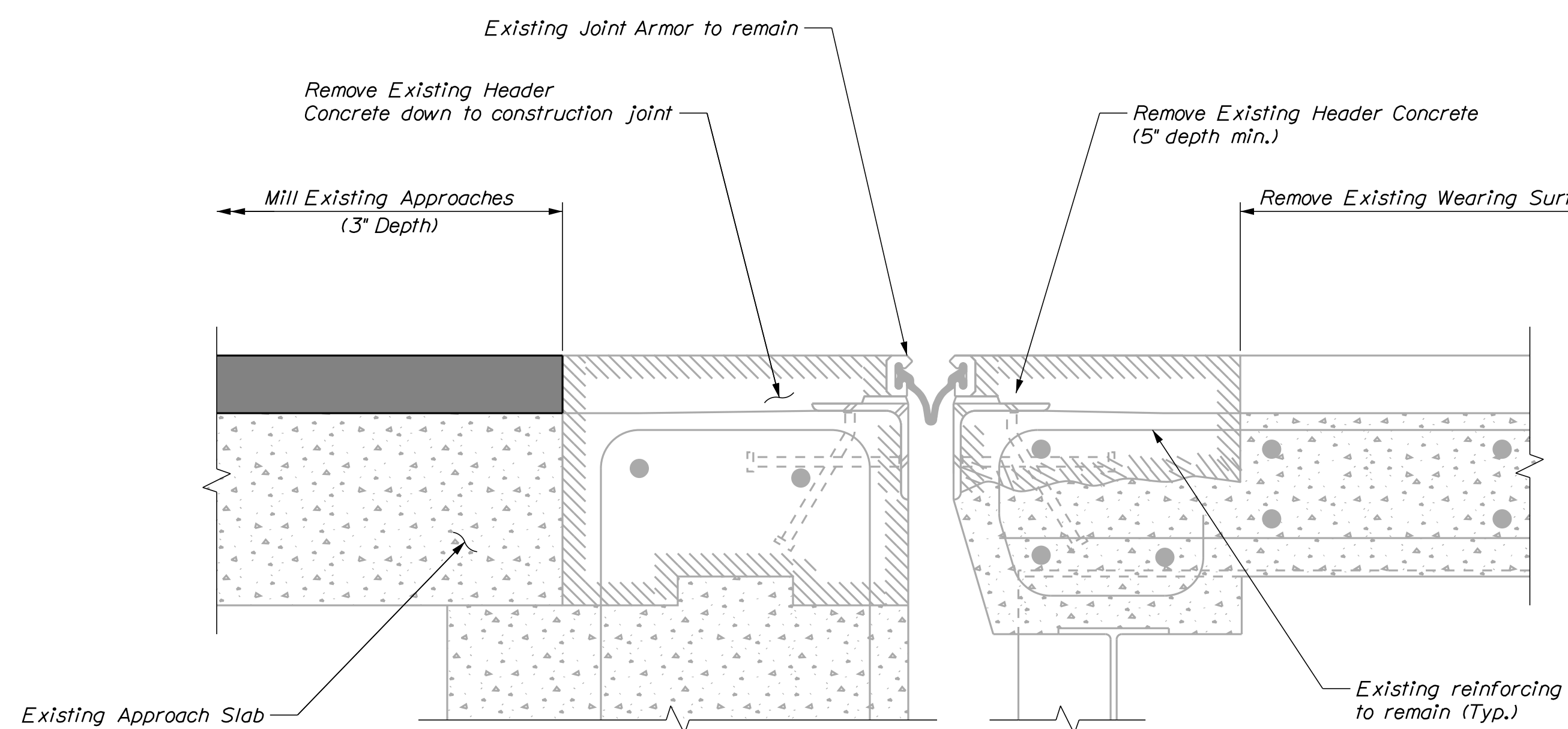
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Division: BRIDGE

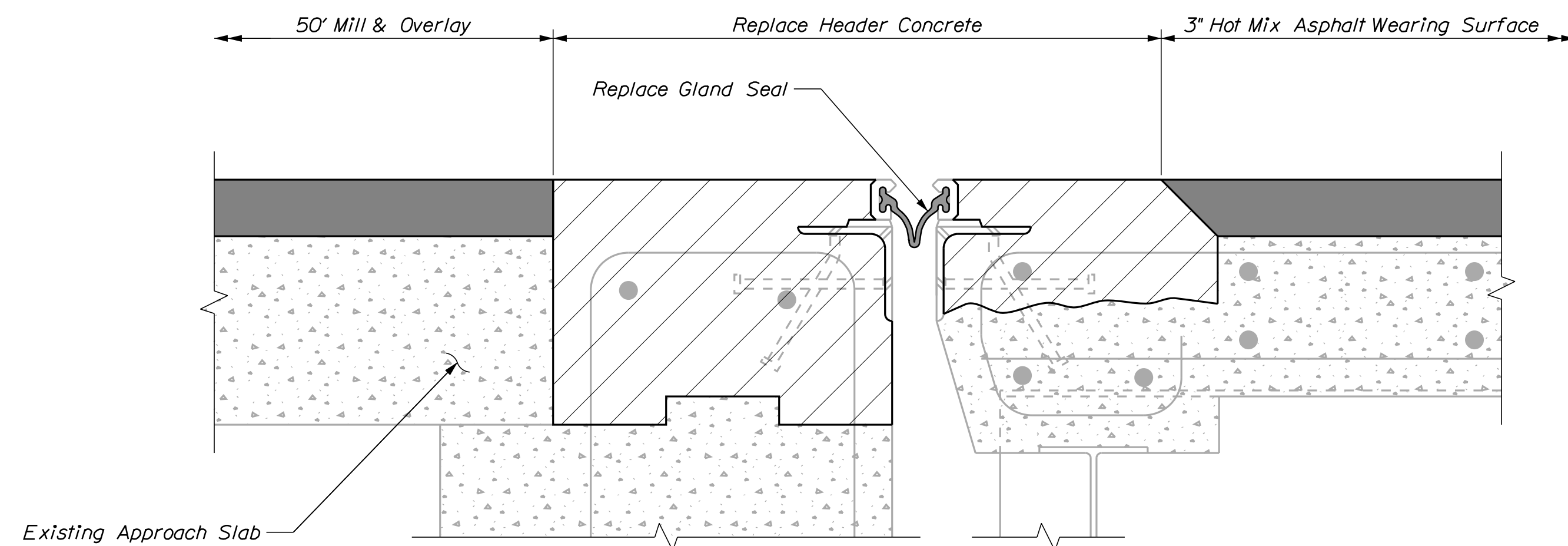
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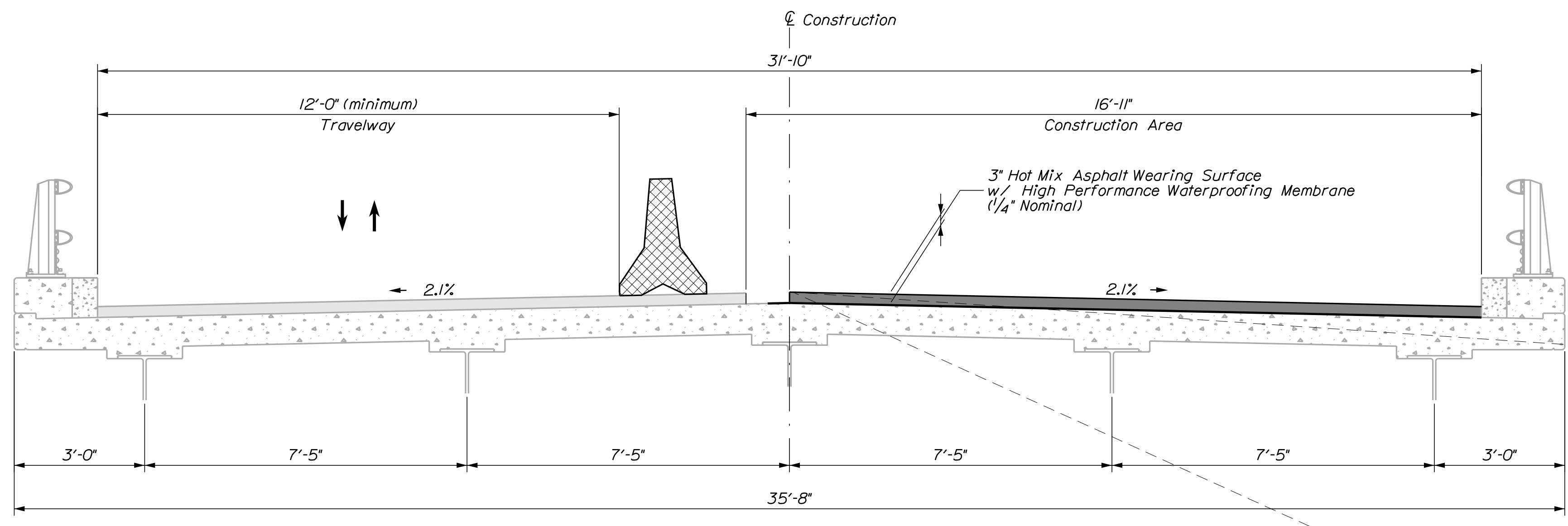


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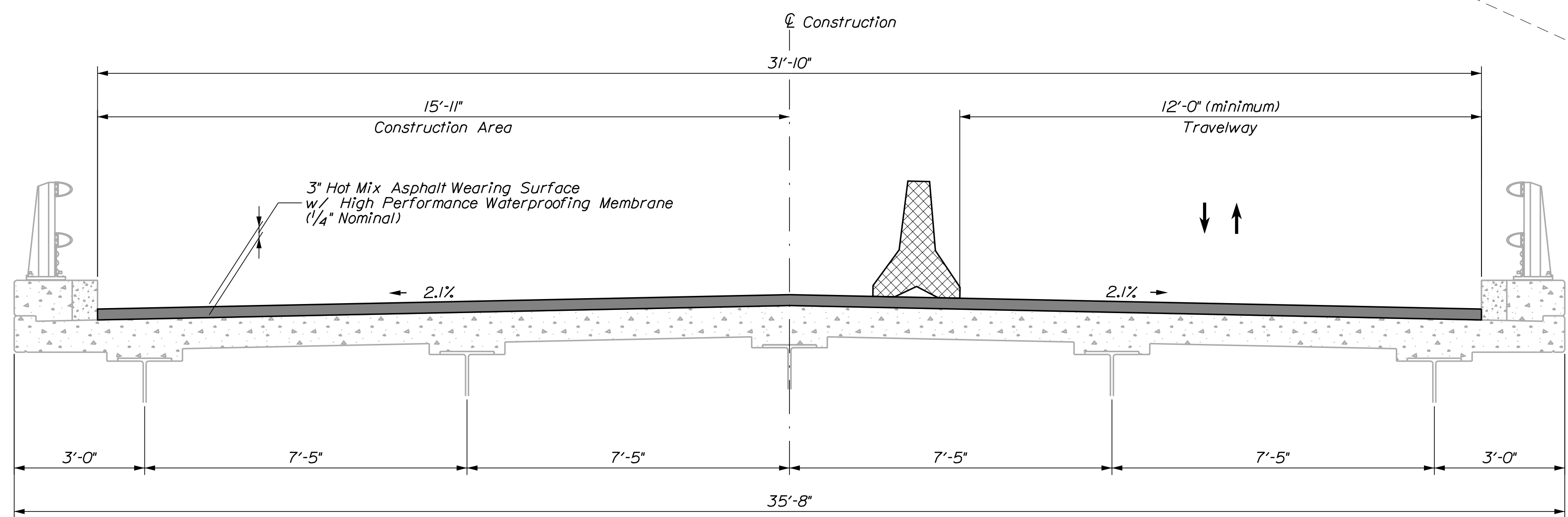


JOINT MODIFICATION - TYPE 3

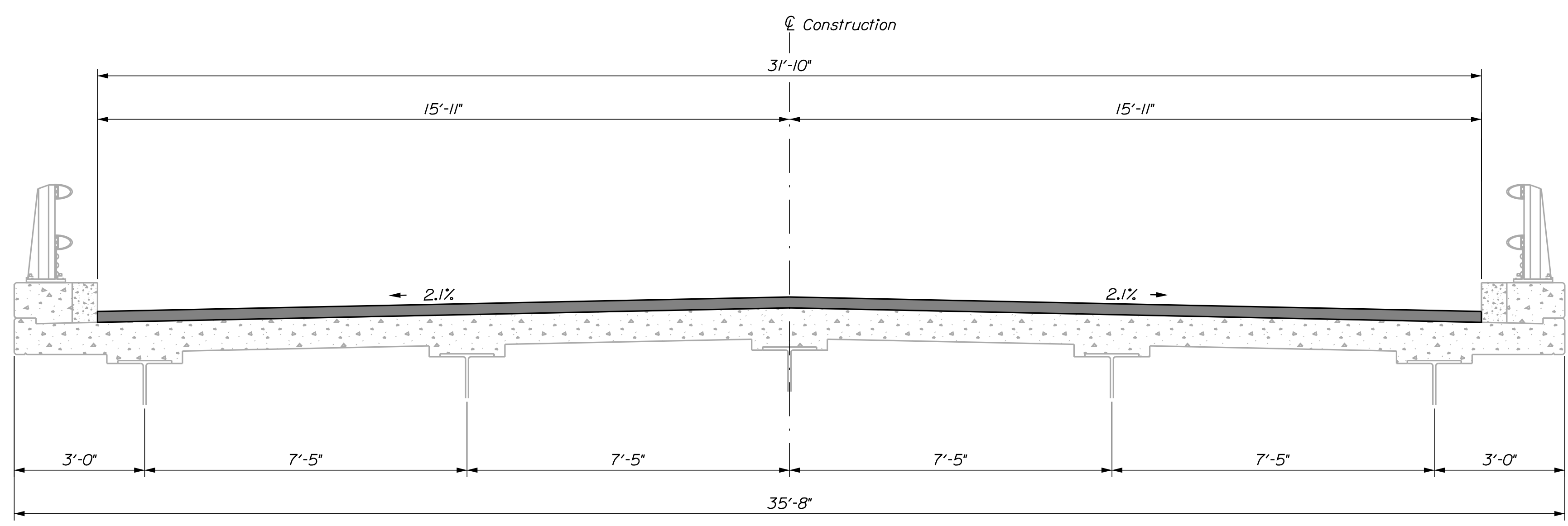
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RIVER ROAD BRIDGE		1-295		CUMBERLAND COUNTY		BRUNSWICK		TYPICAL SECTION		SHEET NUMBER		4	
PROJ. MANAGER	BRIAN NICHOLS	BY	BRIAN NICHOLS	DATE	6/15/23	CHECKED	REVIEWED	DESIGNED	DETAILS	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
										SIGNATURE	P.E. NUMBER	DATE	
										FIELD CHANGES			



STAGE I



STAGE II



CONSTRUCTION COMPLETE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2515100		WIN 025151.00		BRIDGE NO. 6267		BRIDGE PLANS	
RIVER ROAD BRIDGE 1-295		BRUNSWICK CUMBERLAND COUNTY		STAGED CONSTRUCTION		SHEET NUMBER		5	
OF 5		PROJ. MANAGER BRIAN NICHOLS		BY B.N.		DATE 6/16/23		SIGNATURE	
DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED		P.E. NUMBER	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		DATE	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

DESIGN LOADING

Live Load HL - 93

FREEPORT CUMBERLAND COUNTY COUNTY ROAD BRIDGE OVER I-295 OLD COUNTY ROAD FEDERAL PROJECT NO. 2529100 PROJECT LENGTH 0.037 mi. BRIDGE NO. 0585

LIST OF DRAWINGS

Title Sheet	1
Estimated Quantities & General Notes	2
General Plan	3
Typical Section	4
Staged Construction	5

UTILITIES

Central Maine Power
Consolidated Communications
Comcast Cable TV

TRAFFIC DATA

Current (2023) AADT	1,660
Future (2043) AADT	1,830
DHV - % of AADT	11
Design Hour Volume	201
Heavy Trucks (% of AADT)	3
Heavy Trucks (% of DHV)	3
Directional Distribution (% of DHV)	82
18 kip Equivalent P 2.0	16
18 kip Equivalent P 2.5	15
Design Speed (mph)	35

MAINTENANCE OF TRAFFIC

Maintain one 12'-0" wide lane of alternating one - way traffic using traffic signals.

PROJECT LOCATION	Old County Road / I-295 Bridge(#0585) over Interstate 295. Located 0.06 of a mile westerly of U.S. Route 1 Lat./Long. 43°49'44" N 70°08'07" W
PROGRAM AREA	Highway Bridge Traditional
OUTLINE OF WORK	Bridge Wearing Surface Replacement

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	<i>[Signature]</i>	6/26/23
DEPUTY COMMISSIONER: <i>[Signature]</i>	<i>[Signature]</i>	6/26/23
CHIEF ENGINEER: <i>[Signature]</i>	<i>[Signature]</i>	6/26/23

STATE OF MAINE
PROFESSIONAL ENGINEER
GARRETT A. GUSTAFSON
LICENSE NO. 13553
DATE 6-16-23

PROGRAM	BRIDGE PROGRAM
PROJECT MANAGER	BRIAN NICHOLS
DESIGNER	BRIAN NICHOLS
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

2529100 WIN 025291.00

FREEPORT COUNTY ROAD BRIDGE TITLE SHEET

SHEET NUMBER
1
OF 5

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.127	REMOVING EXISTING BITUMINOUS PAVEMENT (720 SY)	1	LS
202.202	REMOVING PAVEMENT SURFACE	210	SY
403.208	HOT MIX ASPHALT 12.5 MM SURFACE	80	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	80	T
409.15	BITUMINOUS TACK COAT - APPLIED	40	G
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (740 SY)	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (150 SY)	1	LS
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	330	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN.	70	SF
520.2402	BRIDGE JOINT MODIFICATION TYPE 2	2	EA
526.301	TEMPORARY CONCRETE BARRIER, TYPE 1 (450 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	2	UN
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	920	LF
627.77	REMOVING PAVEMENT MARKINGS	500	SF
627.78	TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	1230	LF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.19	FIELD OFFICE TYPE B	.5	EA
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.312	TYPE III BARRICADE	6	EA
652.33	DRUM	10	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	300	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	40	HR
652.41	PORTABLE CHANGABLE MESSAGE SIGN	2	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs,
Fascias down to the drip notch,
All exposed surfaces of Concrete Transition Barriers.

2. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>

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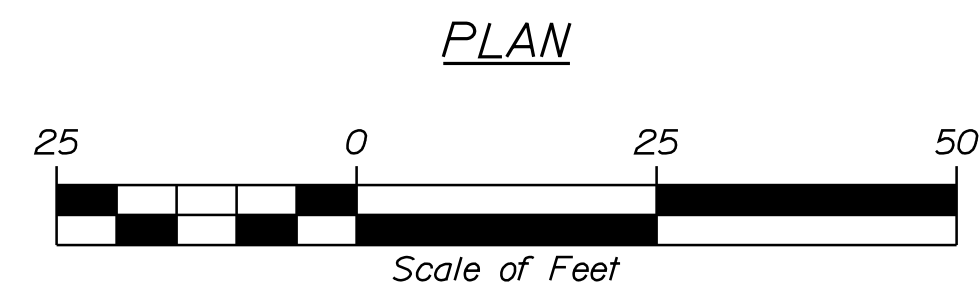
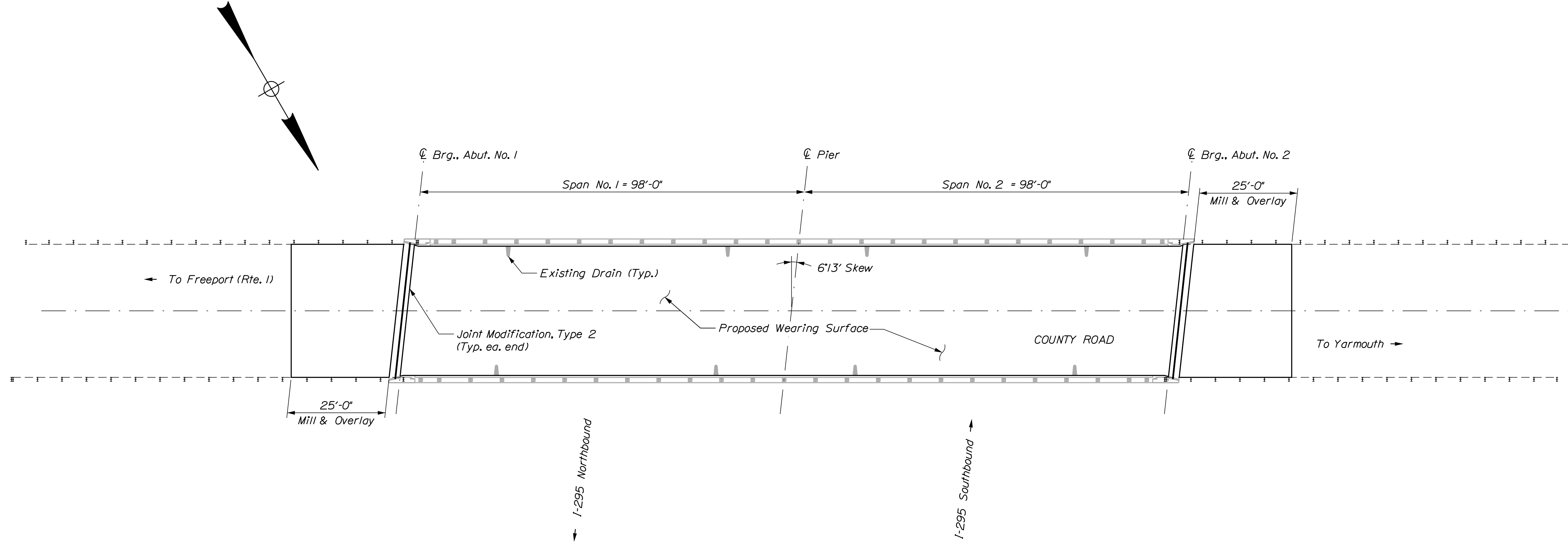
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2529100		WIN		025291.00		BRIDGE NO. 0585		BRIDGE PLANS	
COUNTY ROAD BRIDGE 1-295		CUMBERLAND COUNTY		ESTIMATED QUANTITIES AND GENERAL NOTES		SHEET NUMBER		2		OF 5	
PROJ. MANAGER	BRIAN NICHOLS	BY	B.N GAG	DATE	6/15/23	SIGNATURE	P.E. NUMBER	DATE			
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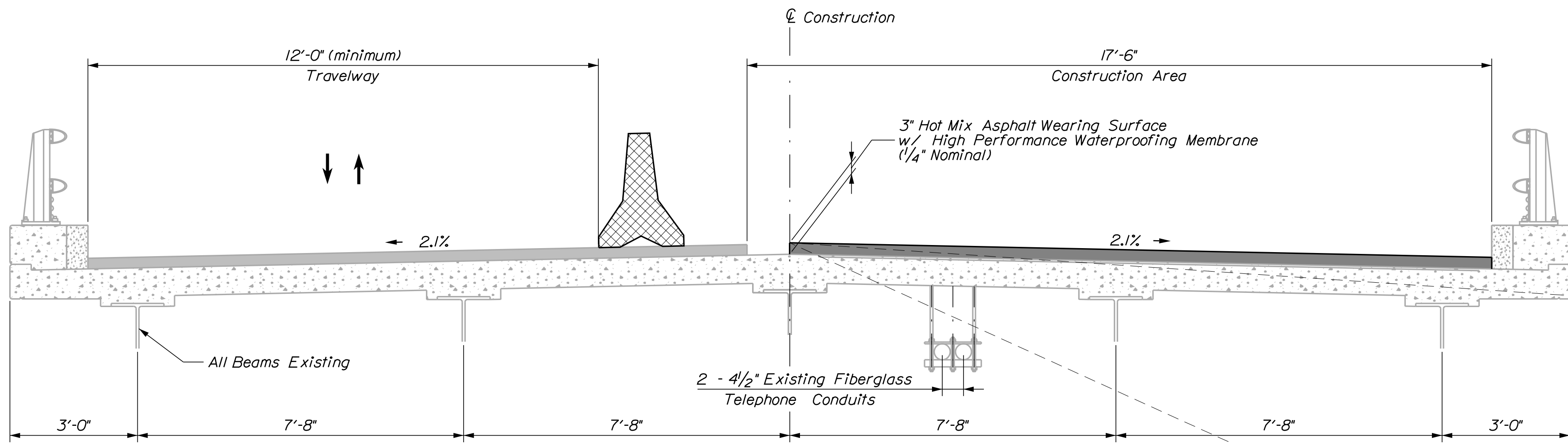
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SHEET NUMBER		DATE	
3		6/15/23	
OF 5		SIGNATURE	
3		P.E. NUMBER	
3		DATE	
3		FIELD CHANGES	
PROJ. MANAGER	BRIAN NICHOLS	BY	DATE
DESIGN-DETAILED	BIN	BIN	6/15/23
CHECKED-REVIEWED	GAG	GAG	6/15/23
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REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			

Date: 6/16/2023

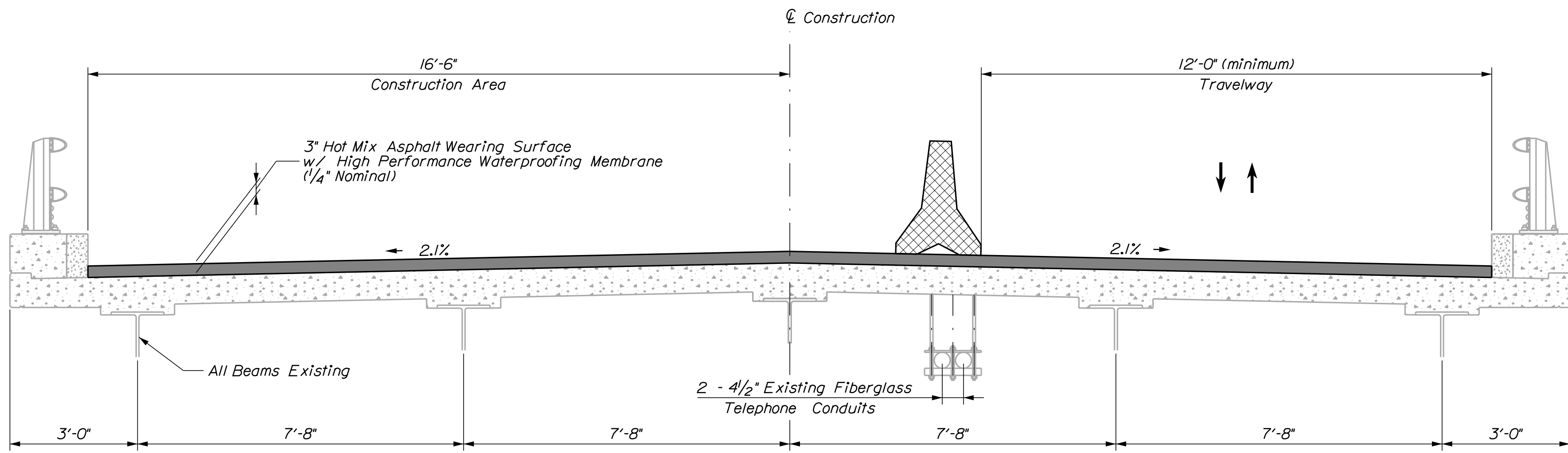
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Division: BRIDGE

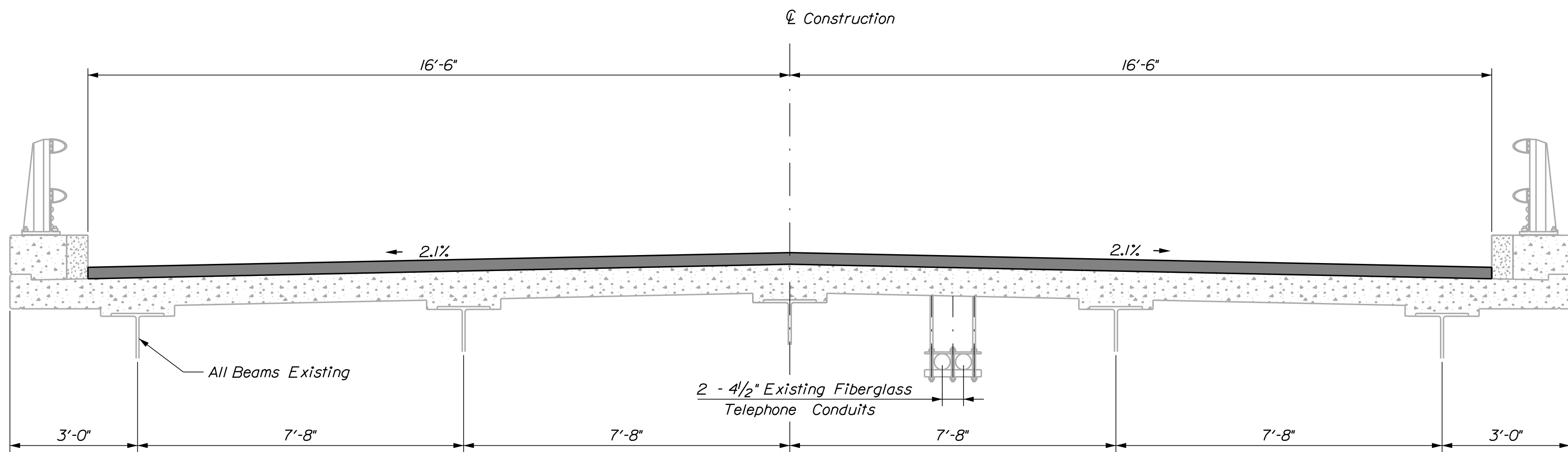
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STAGE I



STAGE II



CONSTRUCTION COMPLETE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2529100

WIN 025291.00
BRIDGE NO. 0585
BRIDGE PLANS

PROJ. MANAGER	DATE	BY	DATE
BRIAN NICHOLS	6/16/23	B.N.	
CHECKED/REVIEWED			
DESIGN/REVIEWED			
DESIGN/REVIEWED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

COUNTY ROAD BRIDGE
I-295
FREEPORT CUMBERLAND COUNTY
STAGED CONSTRUCTION

SHEET NUMBER

5

OF 5