

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



MATERIALS

Concrete:
Joints and Repairs Class "LP"

TRAFFIC DATA

Reference WIN No. 22430.00 Traffic Data Sheet.

LIST OF DRAWINGS

Title Sheet	1
Quantities and Notes	2
Asphaltic Plug Joint	3
Joint Modification Type 1 and 4	4
Joint Modification Type 2	5
Saw / Grind Header	6

PORTLAND & SOUTH PORTLAND
CUMBERLAND COUNTY
INTERSTATE 295
BRIDGE JOINT DETAILS
FEDERAL PROJECT NO. 23615.00

MAINTENANCE OF TRAFFIC

Contractor shall maintain a minimum roadway width of 14'-0" at all times.

PROJECT LOCATION:	Interstate - 295 Between Exit 11 & Exit 1
PROGRAM AREA:	Bridge Preservation
OUTLINE OF WORK:	Approach Pavement, Curb, Joint and Transition Barrier Modifications

WIN 23615.00

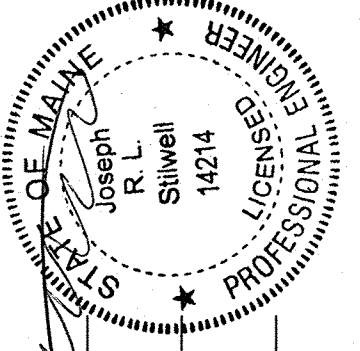
INTERSTATE - 295
PORTLAND & SOUTH PORTLAND
CUMBERLAND COUNTY

TITLE SHEET

SHEET NUMBER

1

OF 6



SIGNATURE
P.E. NUMBER
DATE

PROGRAM	PROJECT INFORMATION
PROJECT MANAGER	Bridge
DESIGNER	Devin Anderson
CONSULTANT	Joseph Silwell
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:		3/22/19
CHIEF ENGINEER:		3/22-19

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.1212	REMOVE EXISTING HEADER, CONCRETE	300	SF
202.1231	SCARIFY CONCRETE HEADER	100	SF
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	1,000	LB
508.13	REINFORCING STEEL PLACING	1,000	LB
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE	215	SY
518.60	REPAIR OF VETICAL SURFACES < 8IN.	1,300	SF
518.61	REPAIR OF VERTICAL SURFACES >= 8IN	40	CY
520.232	EXPANSION DEVICE - ASPHALTIC PLUG JOINT	1,000	LF
520.241	BRIDGE JOINT MODIFICATION TYPE 1	4	EA
520.242	BRIDGE JOINT MODIFICATION TYPE 2	5	EA
520.244	BRIDGE JOINT MODIFICATION TYPE 4	13	EA
524.50	TEMPORARY ROADWAY MAT	10	EA
629.05	HAND LABOR, STRAIGHT TIME	100	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	40	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	40	HR
631.112	WELDING MACHINE (INCLUDING OPERATOR)	100	HR

NOTES:

1. All existing joints shall be pressure washed and inspected.
2. If seals are ripped or torn they will be replaced
road plating will only be paid for if we are working on the back wall repair item 518.61
3. Header sacrification at joints to improve ride.
4. Veranda Street use high pressure membrane 3' strip over each joint.
4. The Contractor shall repair areas of concrete deck deterioration as directed by the Resident. Locations of deck repairs are undetermined for this bridge. Contractor shall mark and identify areas for the deck repair after removing the wearing surface. Coordinate with the Resident. Payment for the deck repair work shall be under the 518 pay item.

Portland 295 joints Veranda Street to Turnpike South Bound			
Bridge Name	BR#	Joint Type	Quantity
Veranda Street	5933	Membrane over Joint	2
Kensington	5618	APJ	2
CNRR	5616	Header work	1
Sherwood	5617	APJ	2
Washington	816	Header work	2
Tukeys	3088	Type 2 & Header work	2
Franklin	6541	Type 1	2
Prebble	6540	Type 4	2
Forest	6539	Type 4	2
Saint John	6538	Header work	2
PTRR St John	6537	Header work	2
St James	6536	Type 4	1
Congress	6535	Type 1 & 4	2
Fore River PK way	6292	Type 4 & Header work	2
PTRR	6533	Type 4 & Header work	2
Fore River	6534	Type 2	2
Westbrook Street	6532	APJ	1
703	1513	Type 2	2

Portland 295 joints Veranda Street to Turnpike Nouth Bound			
Bridge Name	BR#	Joint Type	Quantity
703	6273	Header work	2
Westbrook Street	6249	APJ	1
Fore River	6281	Header work	2
PTRR	6291	APJ & Header work	2
Fore River PK way	6292	APJ	2
Congress	6294	Header work	2
St James	6295	Type 4 & APJ	1
PTRR St John	6296	Type 4 & APJ	1
St John Street	6297	APJ & Header work	1
Forest Ave	6298	Type 4 & APJ	1
Preble Street	6299	Type 4 & APJ	1
Franklin Street	6300	APJ & Header work	1
Tukeys	3088	Type 2	2
Washington	0816	Header work	1
Sherwood	5617	APJ	2
CNRR	5616	Header work	1
Kensington	5618	APJ	2
Veranda	5933	Membrane over Joint	2

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

FEDERAL NO. 2361500

WIN 23615.00

BRIDGE PLANS

INTERSTATE - 295

PORTLAND & SOUTH PORTLAND

CUMBERLAND COUNTY

ESTIMATE AND NOTES

SHEET NUMBER

2

OF 6

PROJ. MANAGER

DESIGN-DETAILED

DESIGN-REVIEWED

DESIGN-DETAILED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DEVIN ANDERSON

J. STINWELL

BY

M. CICHOW

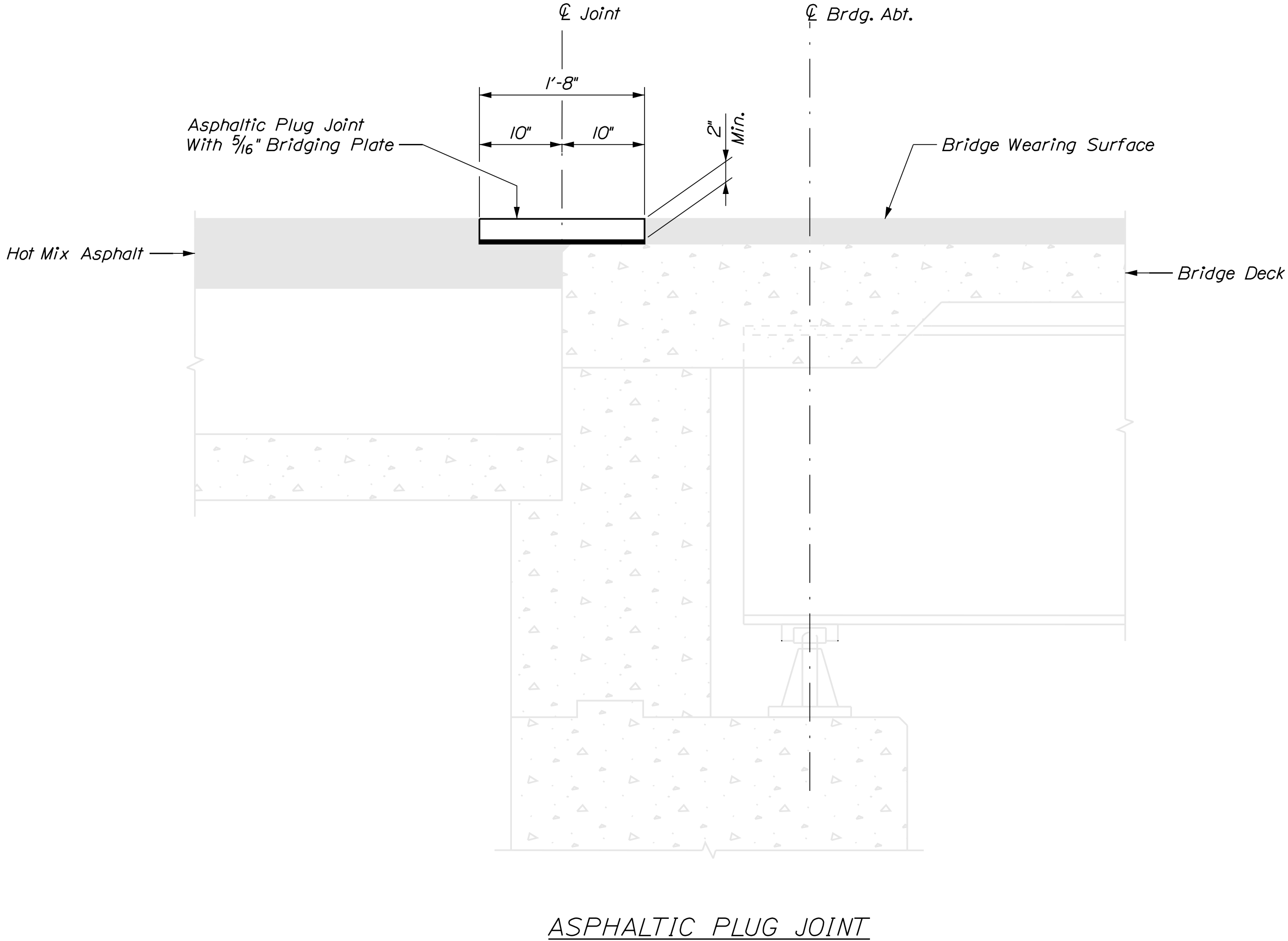
DATE

2/28/2019

SIGNATURE

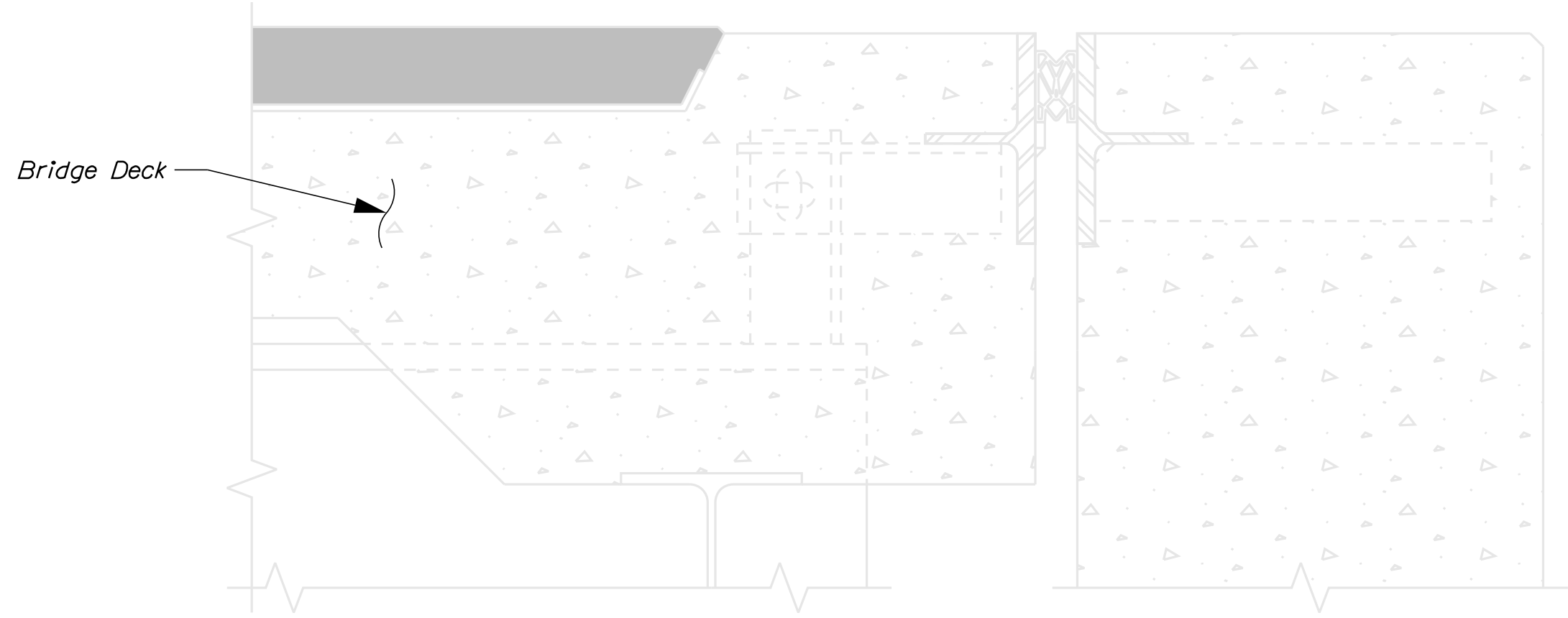
P.E. NUMBER

DATE



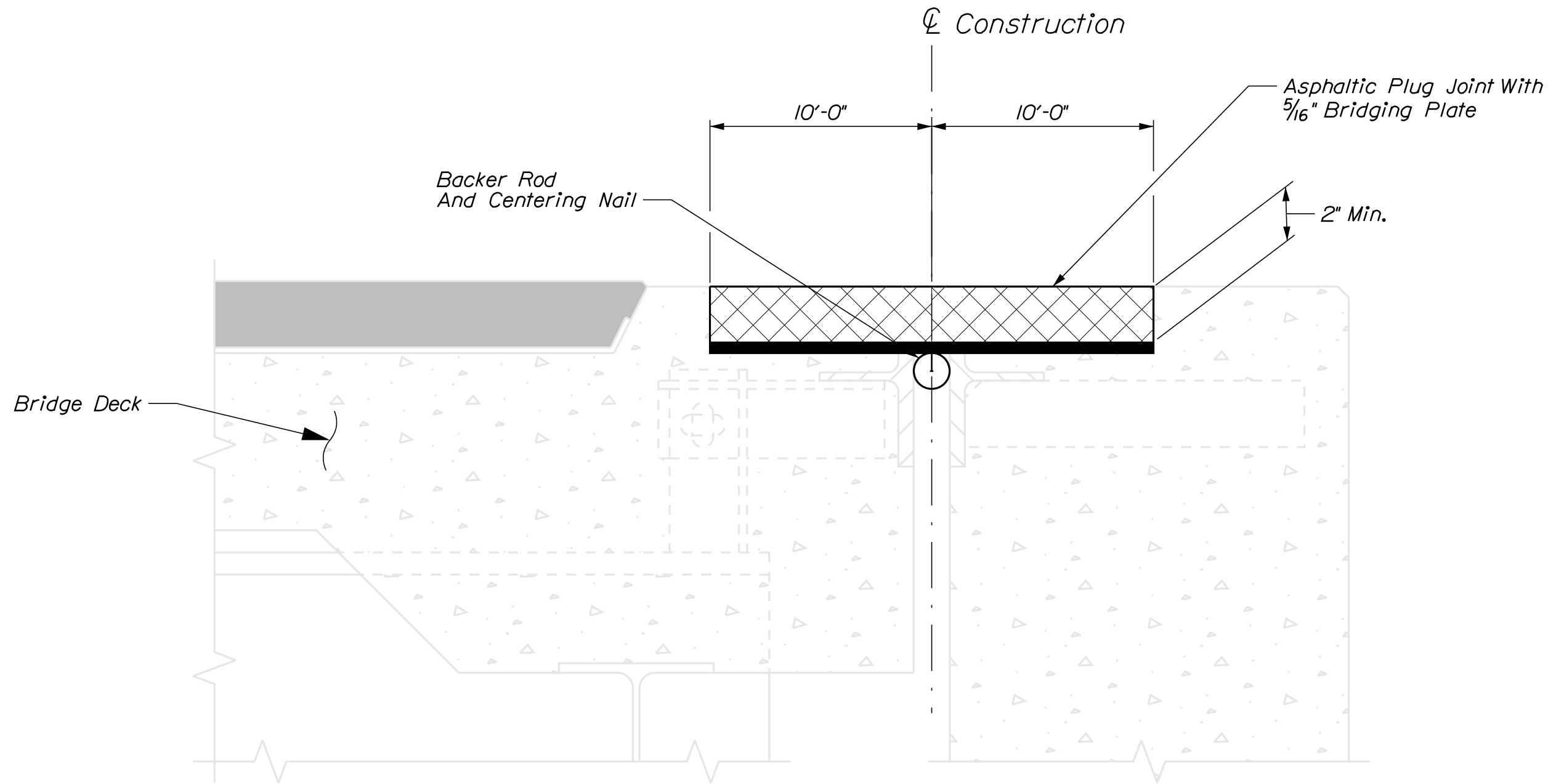
PROJ. MANAGER	Devin Anderson	BY	DATE
CHECKED-REVIEWED	J. Stillwell	M. Cichlow	2/28/2018
DESIGN-DETAILED			
DESIGN-REVIEWED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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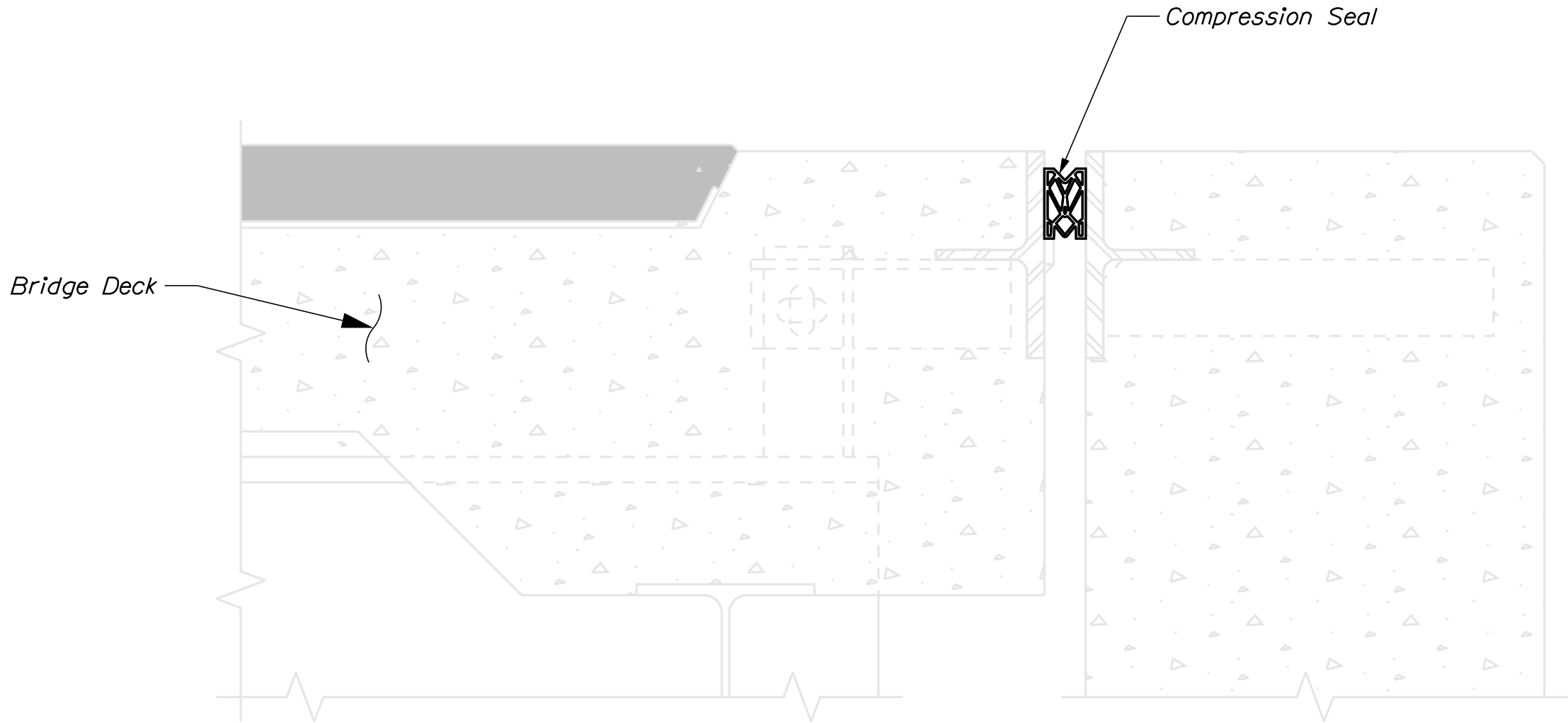


EXISTING COMPRESSION SEAL TYP.

Shown wit Hot Mix
Asphalt Wearing Surface

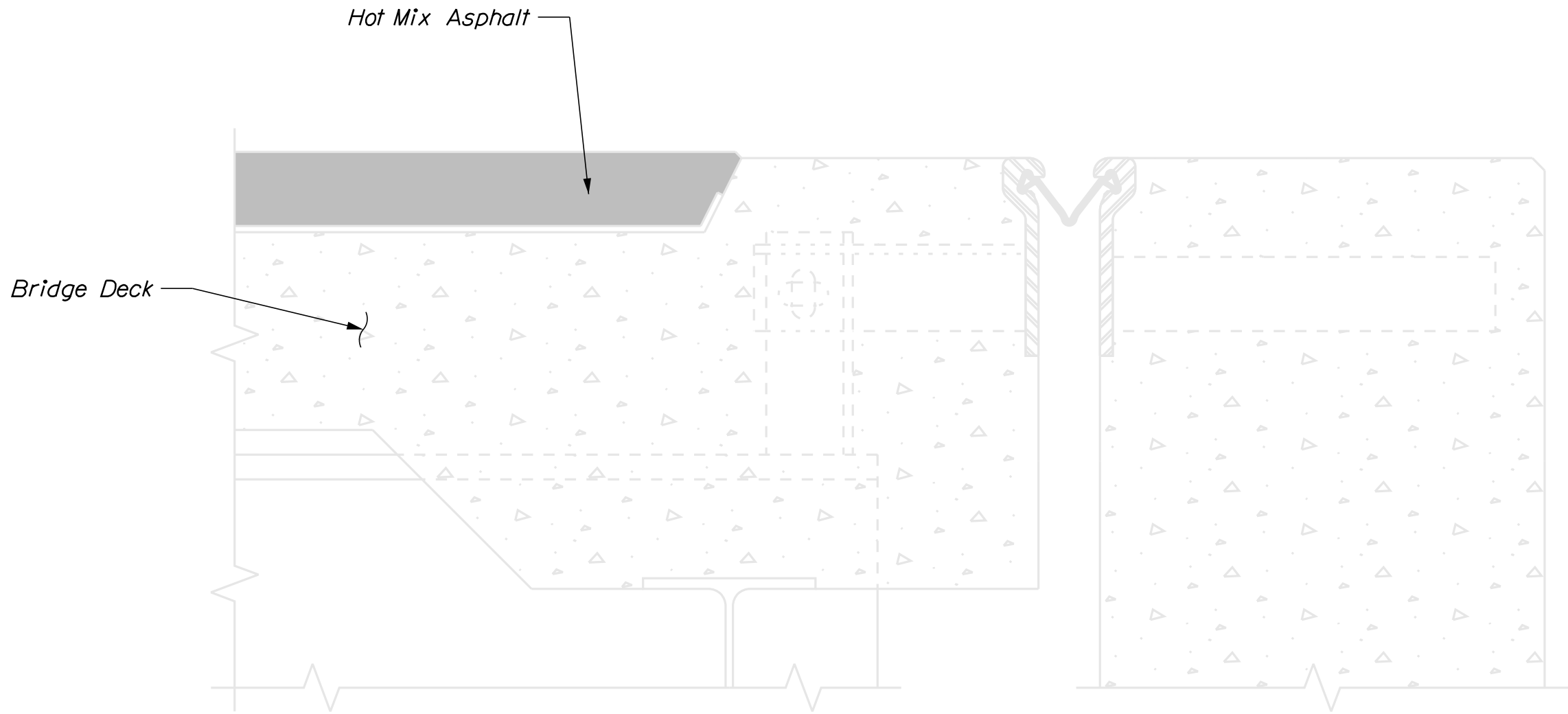


PROPOSED BRIDGE JOINT MODIFICATION TYPE 4

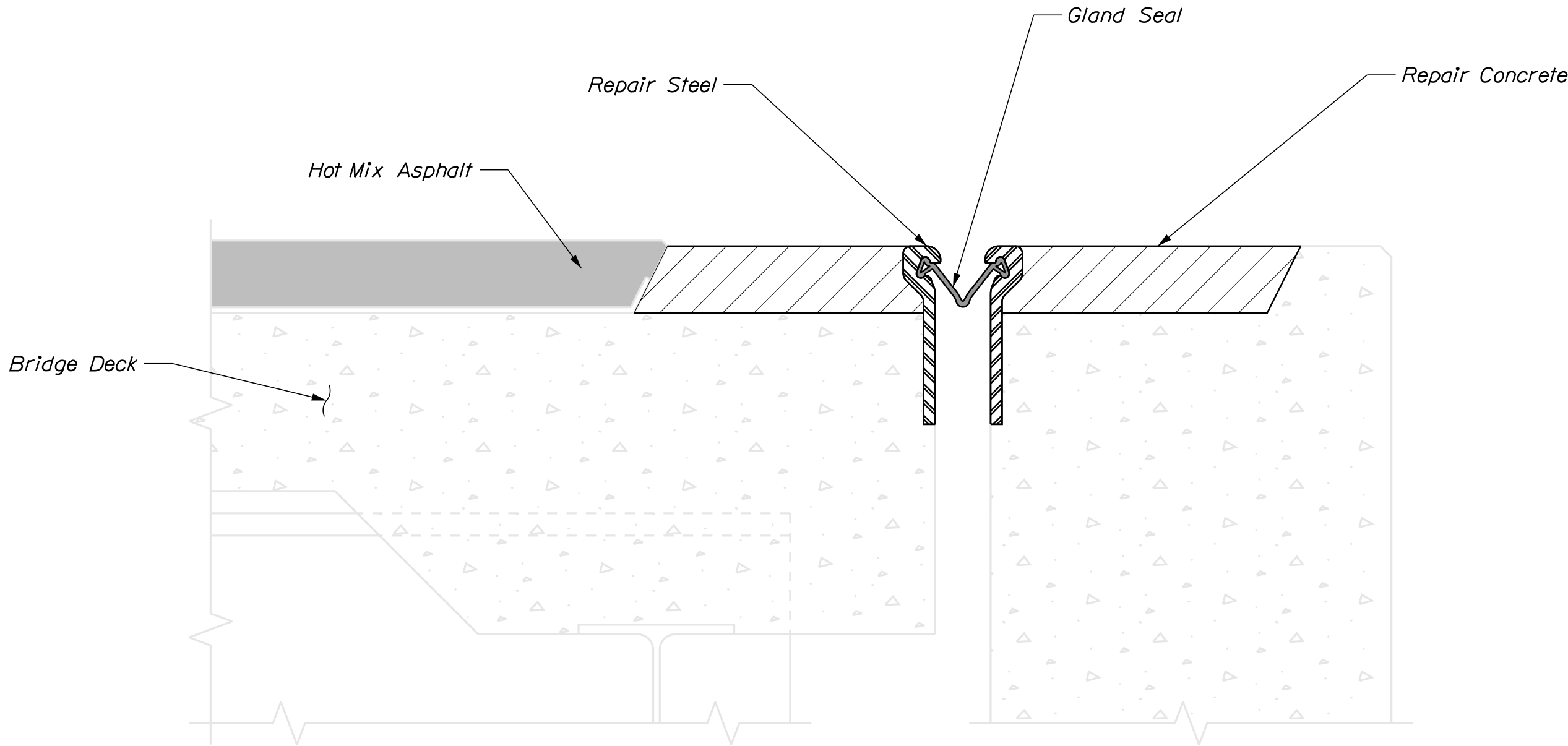


PROPOSED BRIDGE JOINT MODIFICATION TYPE 1

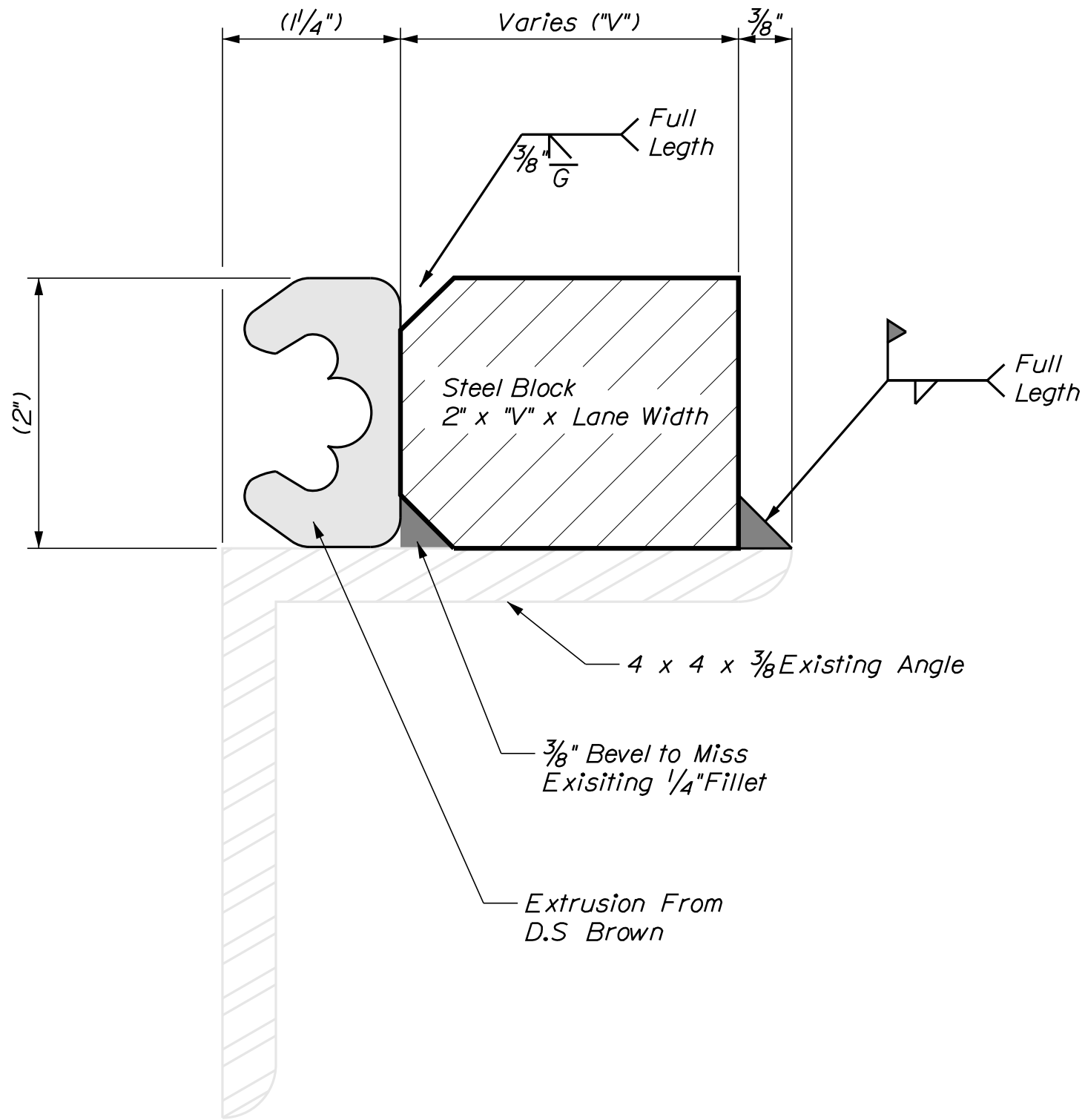
INTERSTATE - 295 PORTLAND & SOUTH PORTLAND CUMBERLAND COUNTY			PROJ. MANAGER Devin Anderson		BY	DATE
JOINT MODIFICATION TYPE 1 & 4			DESIGN-DETAILED	J. Stillwell	M. Critchlow	2/28/2018
			CHECKED-REVISED			
			DESIGN2-DETAILED2			
			DESIGN3-DETAILED3			
			REVISIONS 1			
			REVISIONS 2			
			REVISIONS 3			
			REVISIONS 4			
			FIELD CHANGES			
SHEET NUMBER			DATE			
4			SIGNATURE			
OF 6			P.E. NUMBER			
			DATE			
			WIN			
			23615.00			
			BRIDGE PLANS			
			FEDERAL NO. 2361500			
			STATE OF MAINE			
			DEPARTMENT OF TRANSPORTATION			



EXISTING GLAND SEAL TYP.
Shown with Hot Mix Pavement Wearing Surface

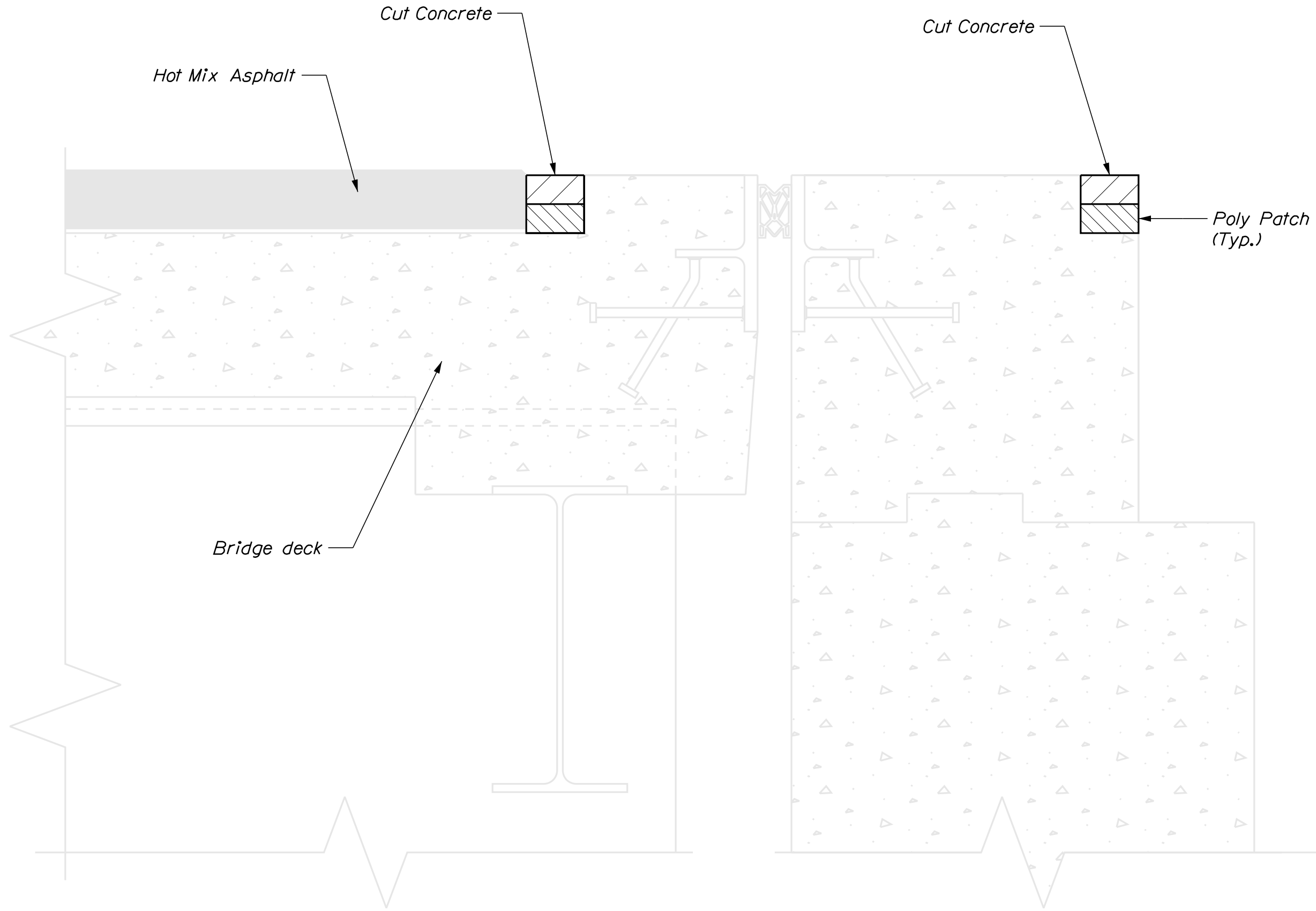


PROPOSED BRIDGE JOINT MODIFICATION 2

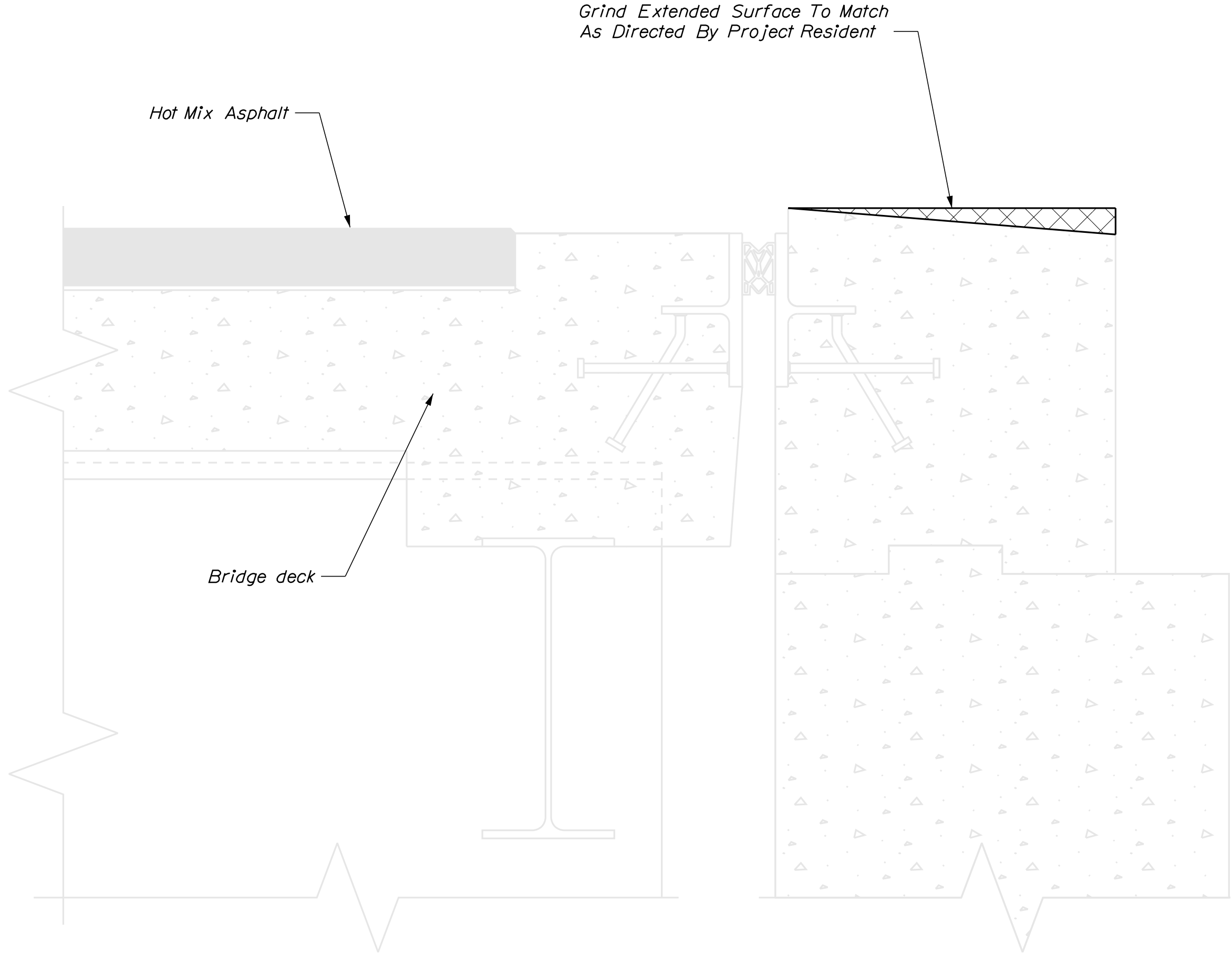


EXISTING ARMOR JOINT DETAIL

INTERSTATE - 295 PORTLAND & SOUTH PORTLAND CUMBERLAND COUNTY			PROJ. MANAGER Devin Anderson		BY M. Critchlow	DATE 2/28/2018	STATE OF MAINE DEPARTMENT OF TRANSPORTATION FEDERAL NO. 2361500 WIN 23615.00 BRIDGE PLANS
JOINT MODIFICATION TYPE 2			DESIGN-DETAILED J. Stillwell		SIGNATURE		
			CHECKED-REVIEWED				
			DESIGN2-DETAILED2				
			DESIGN3-DETAILED3				
			REVISIONS 1		P.E. NUMBER		
			REVISIONS 2				
			REVISIONS 3				
			REVISIONS 4		DATE		
			FIELD CHANGES				
SHEET NUMBER							
5							
OF 6							



SAW CUT HEADER
(Apply Poly Patch Material In First 1" TO 1½" As Directed. (424.38))



GRIND HEADER

SHEET NUMBER		INTERSTATE - 295 PORTLAND & SOUTH PORTLAND CUMBERLAND COUNTY		PROJ. MANAGER		Devin Anderson	BY	DATE	
				DESIGN-DETAILED		J. Stillwell	M. Critchlow	2/28/2018	
6 OF 6		SAW / GRIND HEADER		CHECKED-REVIEWED			SIGNATURE		
				DESIGN2-DETAILED2					
				DESIGN3-DETAILED3					
				REVISIONS 1			P.E. NUMBER		
				REVISIONS 2					
				REVISIONS 3			DATE		
				REVISIONS 4					
				FIELD CHANGES					
								STATE OF MAINE	
								DEPARTMENT OF TRANSPORTATION	
								FEDERAL NO. 2361500	
								WIN	
								23615.00	
								BRIDGE PLANS	