

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



**TRAFFIC DATA**

	(ALL)
Current (2019) AADT .....	11160
Future (2039) AADT .....	12280
DHV - % of AADT .....	12
Design Hour Volume .....	1474
Heavy Trucks (% of AADT) .....	8
Heavy Trucks (% of DHV) .....	4
Directional Distribution (% of DHV) .....	58
18 kip Equivalent P 2.0 .....	329
18 kip Equivalent P 2.5 .....	313
Design Speed (mph) .....	25

**LIST OF DRAWINGS**

Title Sheet .....	1
Estimated Quantities & Notes .....	2
General Plan .....	3
Superstructure Plans .....	4
Superstructure Sections .....	5

## MACHIAS WASHINGTON COVERED BRIDGES OVER MACHIAS RIVER U.S. ROUTE 1 2233200 PROJECT LENGTH 0.104 mi. BRIDGE NO. 1469, 1470, 2191

**UTILITIES**

None

**MAINTENANCE OF TRAFFIC**

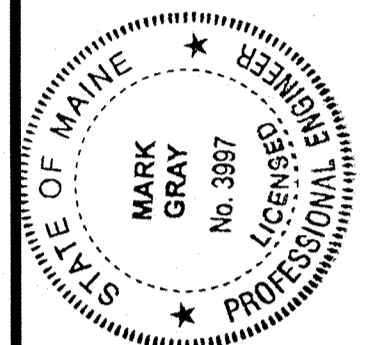
Maintain alternating one-way traffic with staged construction and flaggers.

<b>PROJECT LOCATION</b>	Bridges #1469 (Center), #1470 (West), and #2191 (East) in Machias, carrying Rte. 1 over the Machias River Lat./Long. 44°42'47.0" N 67°27'29.8" W (Approximate center of project)
<b>PROGRAM AREA</b>	Highway Bridges - Traditional
<b>OUTLINE OF WORK</b>	Mill and Overlay 1½" from hot mix asphalt bridge decks and approach pavements from just southerly of the south abutment of Bridge #1470 (West) to just north of the northerly abutment of Bridge #2191 (East).

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]* DATE: 10/17/18

COMMISSIONER: *[Signature]* CHIEF ENGINEER: *[Signature]* 10-9-18



*[Signature]*

SIGNATURE: *[Signature]*  
P.E. NUMBER: 3997  
DATE: 10-1-2018

PROGRAM	Bridge
PROJECT MANAGER	J. Steison
DESIGNER	M. Gray
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

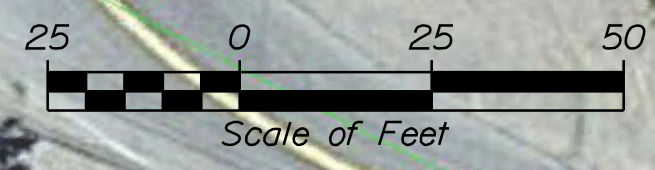
WIN 22332.00

MACHIAS  
COVERED BRIDGES

TITLE SHEET

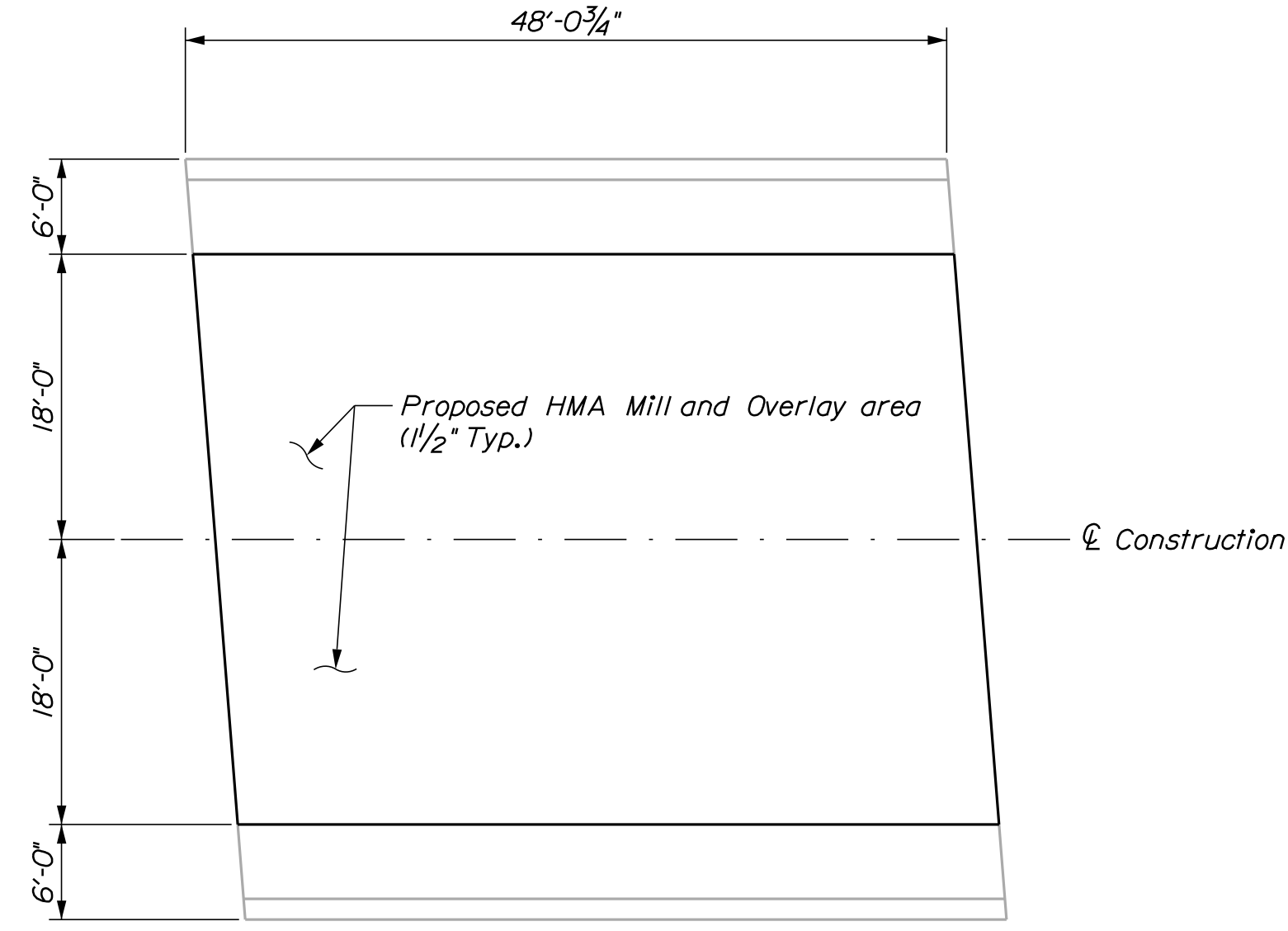
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**1**  
OF 5



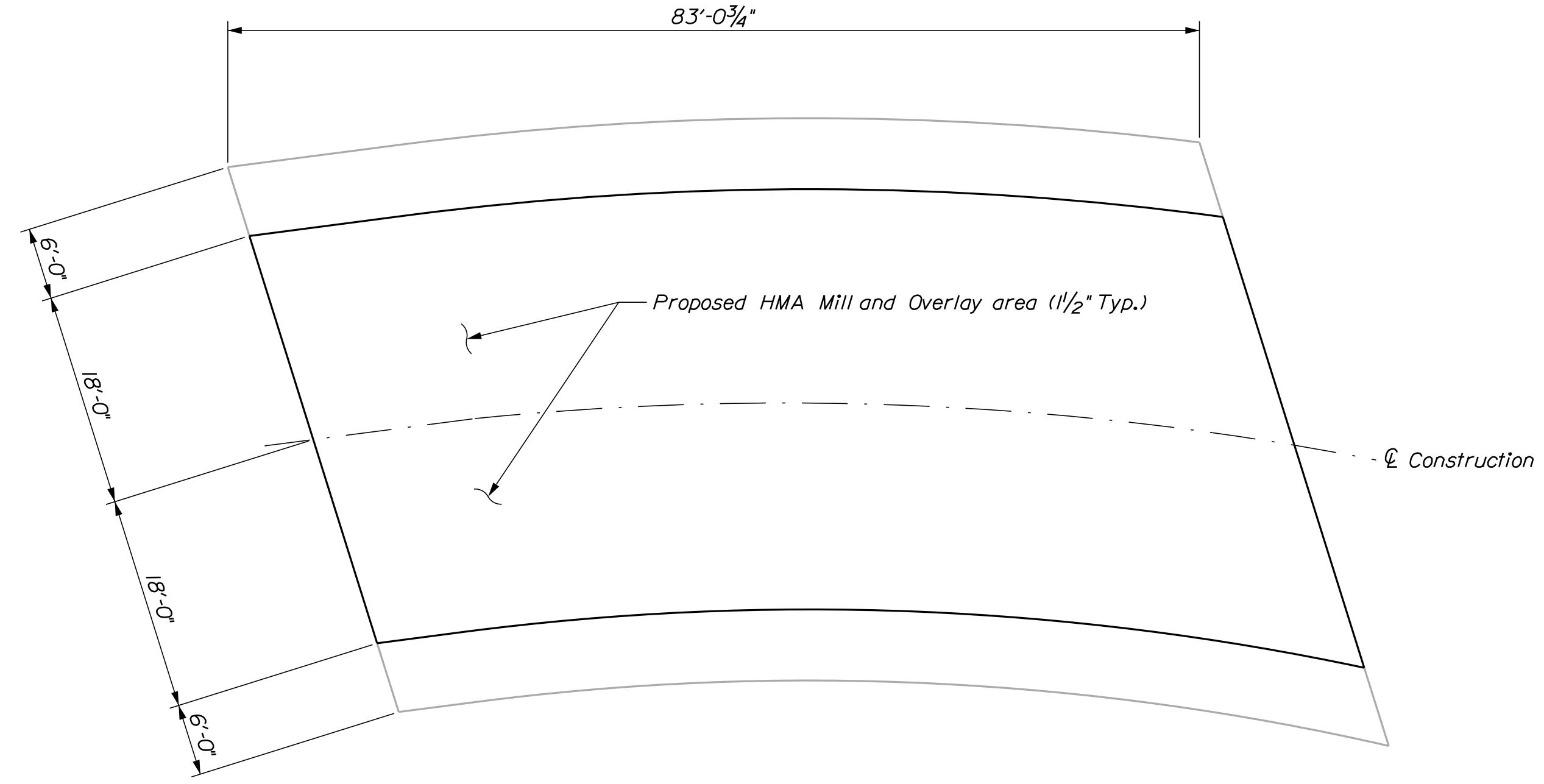


PLAN

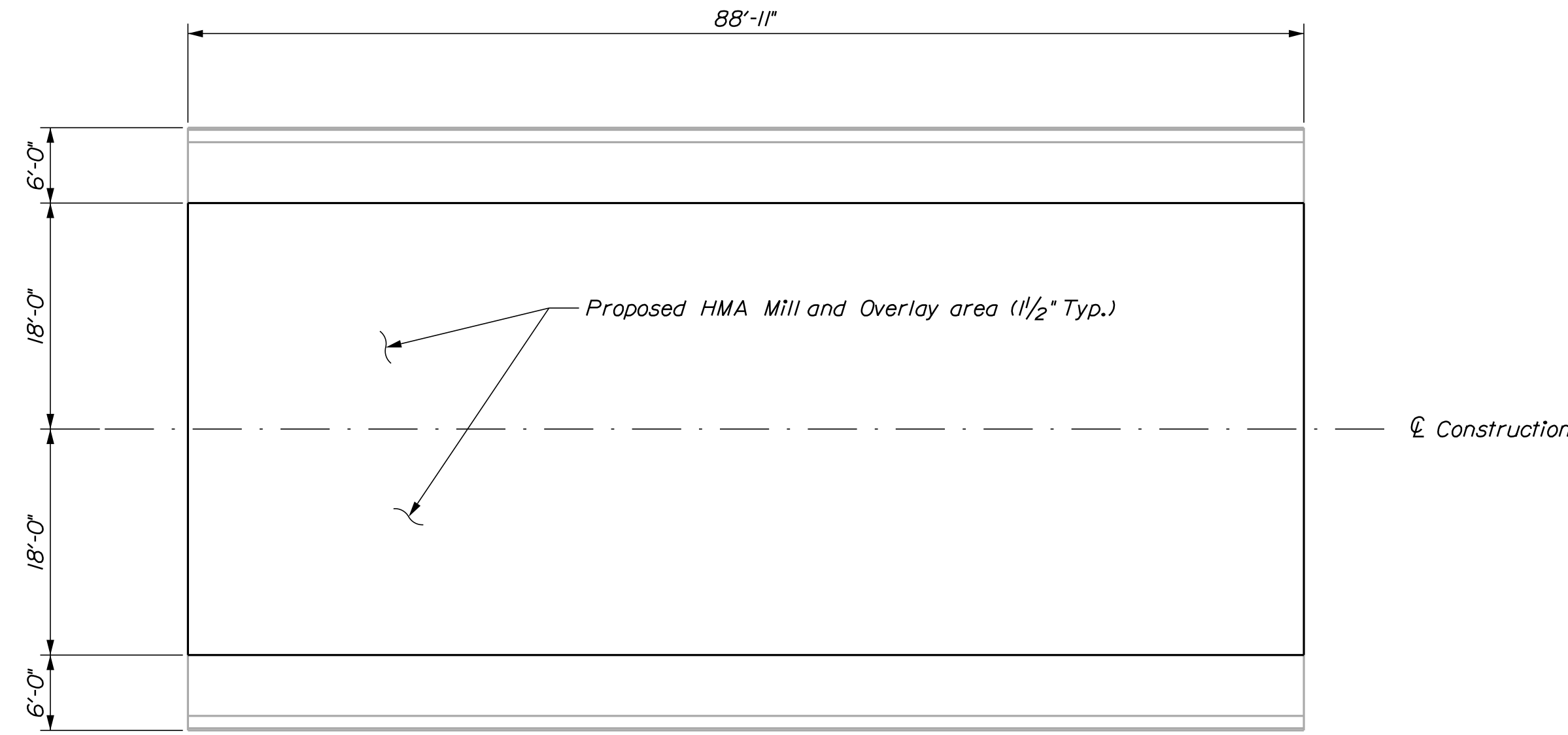
COVERED BRIDGES 2191, 1469, 1470 MACHIAS RIVER MACHIAS WASHINGTON		STATE OF MAINE DEPARTMENT OF TRANSPORTATION 2233200																																					
GENERAL PLAN		BRIDGE NO. 1469, 1470, 2191 WIN 22332.00 BRIDGE PLANS																																					
SHEET NUMBER <span style="font-size: 2em; font-weight: bold;">3</span> OF 5		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PROJ. MANAGER</th> <th>J. STETSON</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN-DETAILED</td> <td>M. GRAY</td> <td>A. PARADIS</td> <td>SEP. 2018</td> </tr> <tr> <td>CHECKED-REVIEWED</td> <td>J. STETSON</td> <td>M. GRAY</td> <td>SEP. 2018</td> </tr> <tr> <td>DESIGNS-DETAILED</td> <td></td> <td></td> <td></td> </tr> <tr> <td>REVISIONS 1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>REVISIONS 2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>REVISIONS 3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>REVISIONS 4</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">FIELD CHANGES</td> </tr> </tbody> </table>		PROJ. MANAGER	J. STETSON	BY	DATE	DESIGN-DETAILED	M. GRAY	A. PARADIS	SEP. 2018	CHECKED-REVIEWED	J. STETSON	M. GRAY	SEP. 2018	DESIGNS-DETAILED				REVISIONS 1				REVISIONS 2				REVISIONS 3				REVISIONS 4				FIELD CHANGES			
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EXISTING DECK PLAN (WEST)



EXISTING DECK PLAN (EAST)



EXISTING DECK PLAN (CENTRAL)

COVERED BRIDGES 2191, 1469, 1470  
 MACHIAS RIVER  
 WASHINGTON  
 MACHIAS  
 SUPERSTRUCTURE PLANS

SHEET NUMBER

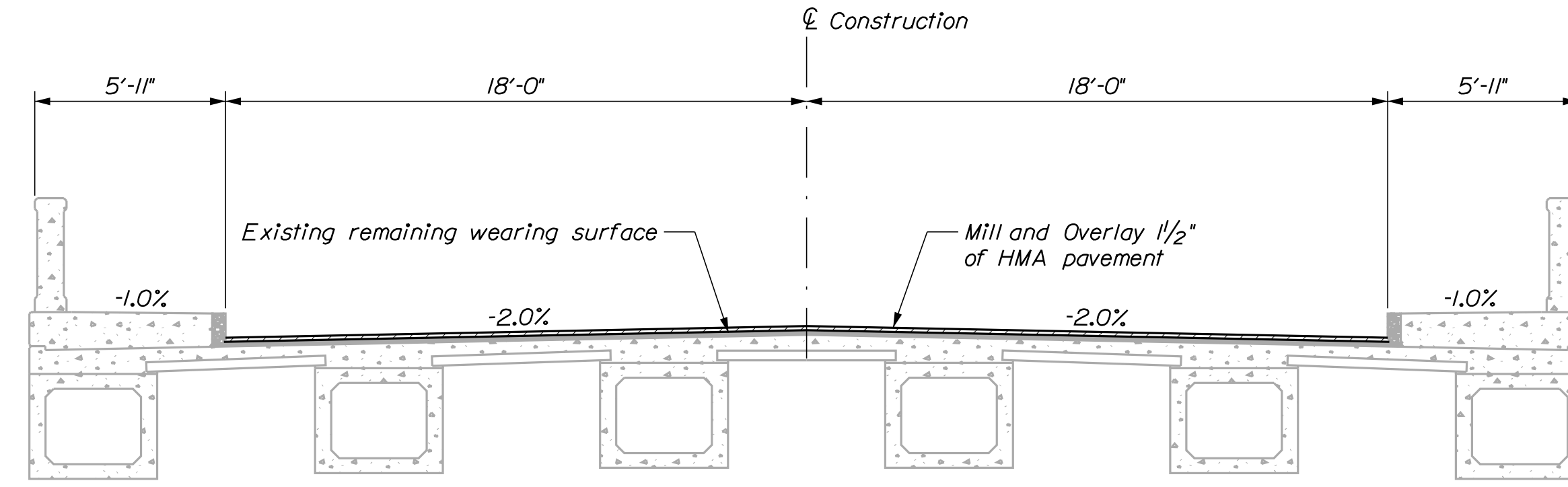
4

OF 5

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REVISIONS 2		REVISIONS 2			
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

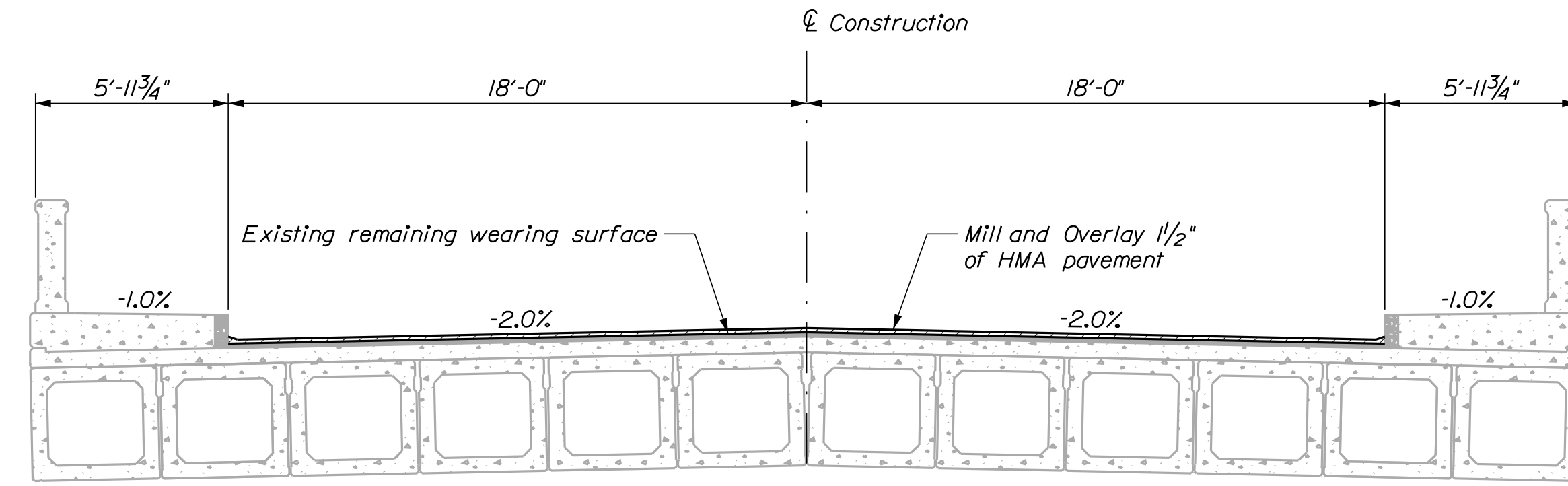
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STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 2233200  
 WIN  
 22332.00  
 BRIDGE NO. 1469, 1470, 2191



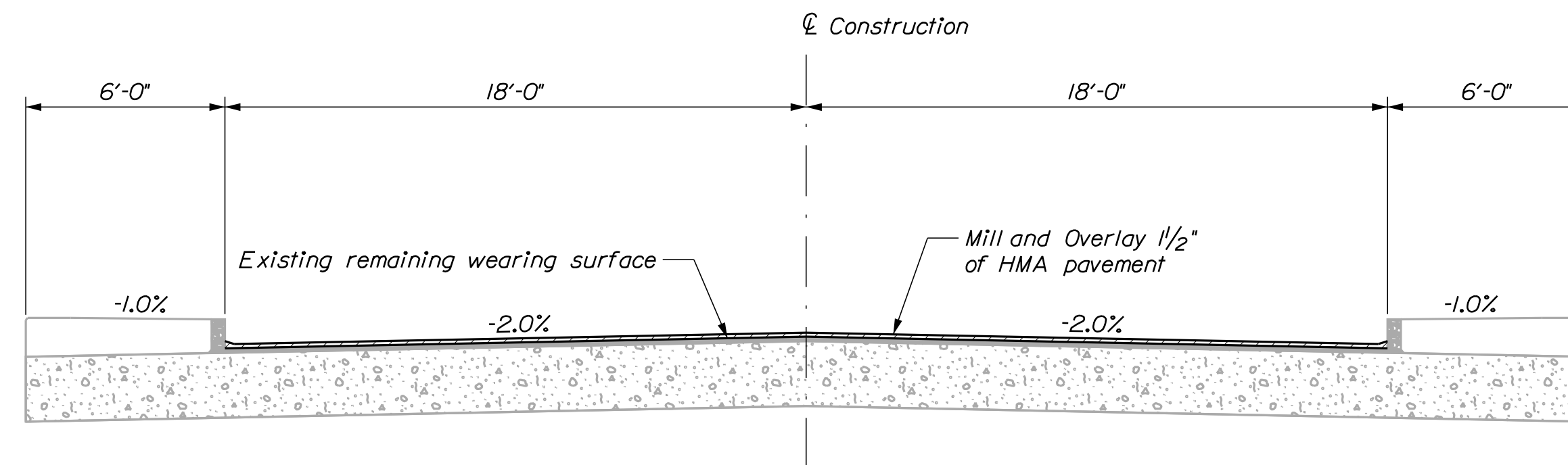
**PROPOSED TRANSVERSE SECTION**

(Typ. for West Bridge only)



**PROPOSED TRANSVERSE SECTION**

(Typ. for Central and East Bridges)



**PROPOSED TRANSVERSE SECTION**

(Typ. for approach sections)

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DESIGN-DETAILED		DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

COVERED BRIDGES 2191, 1469, 1470  
MACHIAS RIVER  
WASHINGTON  
MACHIAS  
SUPERSTRUCTURE SECTIONS

SHEET NUMBER

5

OF 5