# STATE OF MAINE DEPARTMENT OF TRANSPORTATION

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

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Live Load \_\_\_\_\_ HL - 93 Modified for Strength I



# LIST OF DRAWINGS

Title Sheet		
Estimated Quantities & General Notes		
General Plan		
Typical Sections		
Staged Construction		

# MECHANIC FALLS - MINOT ANDROSCOGGIN COUNTY POTTLE BRIDGE OVER BOG BROOK

ROUTE 124
FEDERAL AID PROJECT NO. 02841000
BRIDGE NO. 2977
PROJECT LENGTH 0.053 MILES

#### **UTILITIES**

Central Maine Power
Consolidated Communication

Charter Communication FirstLight

# TRAFFIC DATA

Current (2025) AADT	2,21
Future (2045) AADT	2,43
DHV - % of AADT	129
Design Hour Volume	29
Heavy Trucks (% of AADT)	49
Heavy Trucks (% of DHV)	19
Directional Distribution (% of DHV)	62%
18 kip Equivalent P 2.0	6
18 kip Equivalent P 2.5	5
Design Speed (mph)	5

## **MAINTENANCE OF TRAFFIC**

Maintain one 11'-0" wide lane of alternating one - way traffic using temporary traffic signals.

PROJECT LOCATION	NORTH MAIN ST. & WEST MINOT RD. OVER BOG BROOK LOCATED 0.18 OF A MILE NORTH OF BUCKNAM ST.
OUTLINE OF WORK	BRIDGE WEARING SURFACE REPLACEMENT

MECHANIC FALLS - MINOT
PROJECT MANAGE
POTTLE BRIDGE
CONSULTANT
PROJECT MANAGE
DESIGNER
CONSULTANT
PROJECT RESIDEN
CONTRACTOR
PROJECT CONTRACTOR
PROJECT CONTRACTOR
PROJECT CONTRACTOR
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PROJECT CONTRACTOR

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	ESTIMATED QUANTITIES		
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
Item	Item Description	Quantity	Unit
202.127	REMOVE EXISTING BITUMINOUS PAVEMENT (720 SY)	1	LS
202.202	REMOVING PAVEMENT SURFACE	155	SY
403.2081	12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	72	T
403.2131	12.5 MM POLYMER MODIFIED HMA BASE	70	T
409.15	BITUMINOUS TACK COAT - APPLIED	30	G
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (720 SY)	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (395 SY)	1	LS
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN	70	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN	200	SF
526.301	PORTABLE CONCRETE BARRIER TYPE 1 (390 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	2	UN
627.18	12" SOLID WHITE PAVEMENT MARKING	20	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1130	LF
627.77	REMOVING PAVEMENT MARKINGS	280	SF
627.78	TEMPORARY 4" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	770	LF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATION)	20	HR
639.19	FIELD OFFICE TYPE B	0.5	EA
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	20	EA
652.34	CONE	40	EA
652.35	CONSTRUCTION SIGNS	185	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	100	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGNS	2	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

## GENERAL CONSTRUCTION NOTES

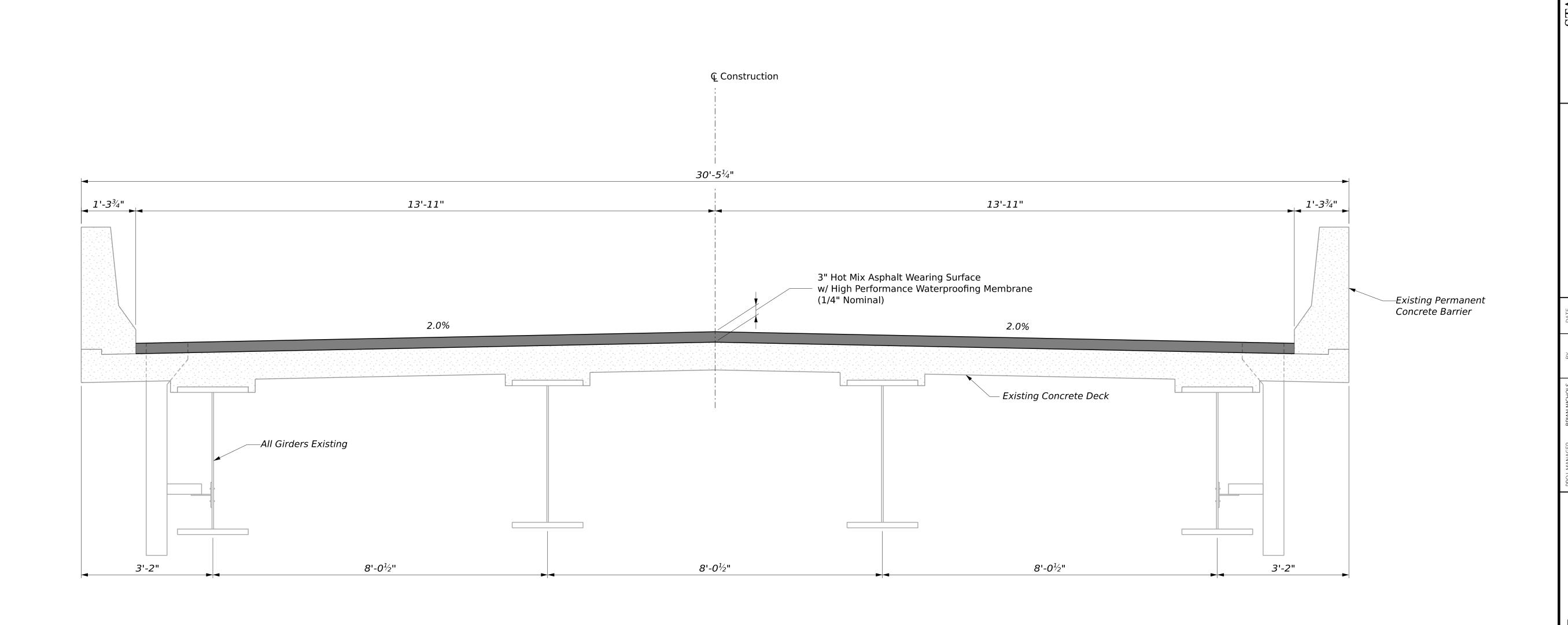
- 1. Existing signs within the Project limits shall be removed and reset as directed by the Resident. Payment for removal and reinstallation of existing signs will be considered incidental to the Contract. No separate payment will be made.
- 2. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs, Fascias down to the drip notch, Concrete barrier railing

- 3. Project information referred to below may be accessed at the following MaineDOT web address: http://www.maine.gov/mdot/contractors/
- 4. 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.
- 5. 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.

POTTI E BRIDGE	PROJ. MANAGER	BRIAN NICHOLS	ВУ	DATE		STATE OF MAINE
	DESIGN-DETAILED	EDB EDB		04/2025		
CROSSING BOG BROOK	CHECKED-REVIEWED GAG	D GAG BJN		S 2007/40	SIGNATURE	DEPARTMENT OF TRANSPORTA
	DESIGN2-DETAILED2	2		1		
MECHAINIC PALLS - MINOI	DESIGN3-DETAILED3	3				Faderal Droject No. 02841000
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	REVISIONS 2					
	REVISIONS 3					00 011000 14111
	REVISIONS 4				DAIE	WIN 028410.00
	FIELD CHANGES					

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WIN 028410.00

P.E. NUMBER

SHEET NUMBER

PROPOSED BRIDGE TYPICAL CROSS SECTION

