

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

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

LIST OF DRAWINGS

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SCARBOROUGH
CUMBERLAND COUNTY
PLEASANT AVENUE CROSSING BRIDGE
OVER
CSX RAILROAD
PLEASANT HILL ROAD
FEDERAL PROJECT NO. 02618600
PROJECT LENGTH 0.033 mi.
BRIDGE NO.3911

UTILITIES

Central Maine Power Company	CSX Corporation
Charter Communications, Inc.	Firstlight
Consolidated Communications of Northern New England Company LLC.	

TRAFFIC DATA

Current (2024) AADT	12,040
Future (2044) AADT	13,240
DHV - % of AADT	13
Design Hour Volume	1721
Heavy Trucks (% of AADT)	7
Heavy Trucks (% of DHV)	5
Directional Distribution (% of DHV)	59
18 kip Equivalent P 2.0	319
18 kip Equivalent P 2.5	304
Design Speed (mph)	35

MAINTENANCE OF TRAFFIC

Bridge will be closed to traffic for two separate weekends.
(Friday Evening to Monday Morning)

MATERIALS

Concrete:..... Class "A"

BASIC DESIGN STRESSES

Class "A" Concrete:..... f'c = 4,000 psi

PROJECT LOCATION	Pleasant Avenue Crossing Bridge over Boston and Maine Railroad, Located 0.09 of a mile north of Rigby Road. Lat./Long. 43°36'10" N 70°18'6.8" 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>	6/14/25
CHIEF ENGINEER	<i>[Signature]</i>	6/18/2025

STATE OF MAINE DEPARTMENT OF TRANSPORTATION ENGINEER	SIGNATURE <i>[Signature]</i>	P.E. NUMBER 13553	DATE 6-13-25

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

SCARBOROUGH PLEASANT AVENUE CROSSING BRIDGE	TITLE SHEET
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SHEET NUMBER
1
OF 5

02618600 WIN 26186.00

Date:06/3/2024

Username: CVDB

Division: BRIDGE

Filename:

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.127	REMOVING EXISTING BITUMINOUS PAVEMENT (290 SY)	1	LS
202.202	REMOVING PAVEMENT SURFACE	380	SY
403.2081	HOT MIX ASPHALT 12.5 MM HMA SURFACE (POLYMER MODIFIED)	60	T
403.2131	HOT MIX ASPHALT 12.5 MM BASE (POLYMER MODIFIED)	60	T
409.15	BITUMINOUS TACK COAT - APPLIED	50	G
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (300 SY)	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (60 SY)	1	LS
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	50	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN.	25	SF
526.301	PORTABLE CONCRETE BARRIER TYPE I (60 LF)	1	LS
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	525	LF
627.78	TEMPORARY 4" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	1050	LF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	15	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	15	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.20	FIELD OFFICE TYPE C	1	EA
652.312	TYPE III BARRICADE	8	EA
652.33	DRUM	20	EA
652.34	CONE	40	EA
652.35	CONSTRUCTION SIGNS	320	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	100	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	3	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:

Concrete barrier railing (Top and Traffic Face Only)

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.

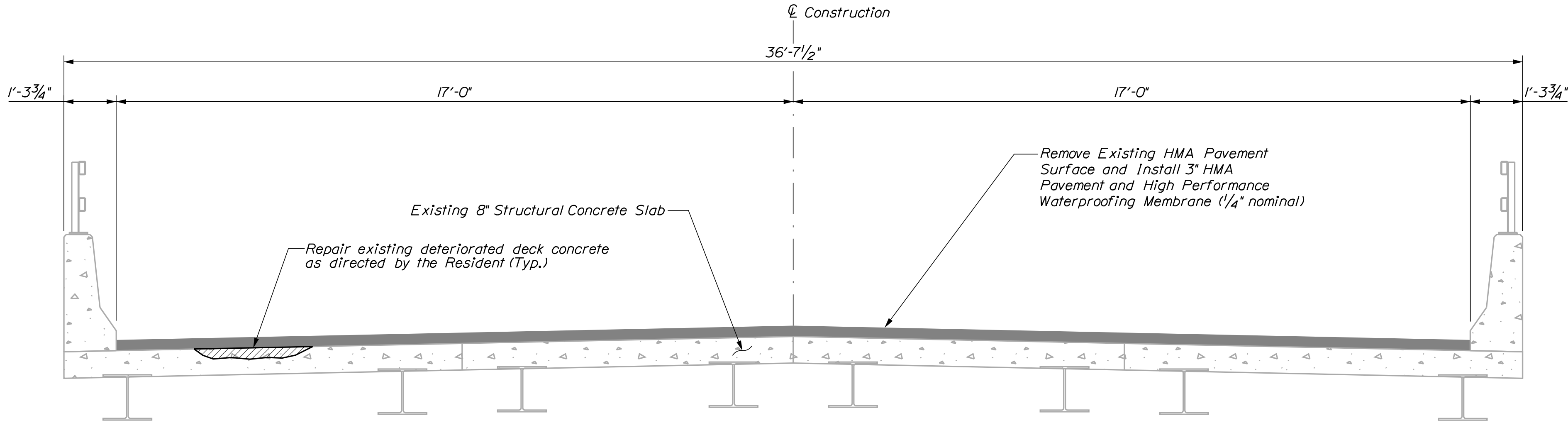
b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.

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.

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	BUN	5/2025
CHECKED-REVIEWED	CAG	6/2025
DESIGN-DETAILED		SIGNATURE
DESIGN-DETAILED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

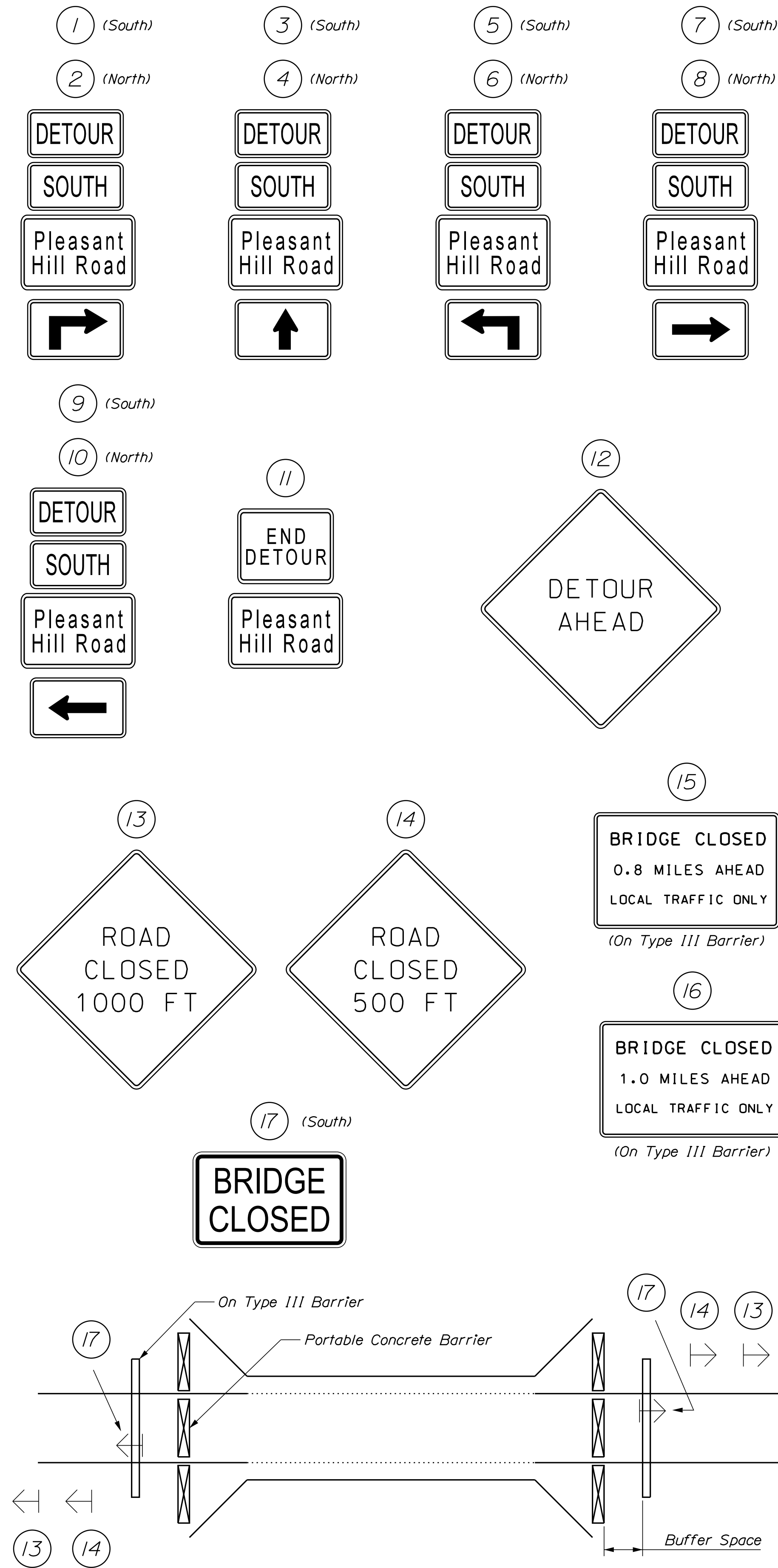
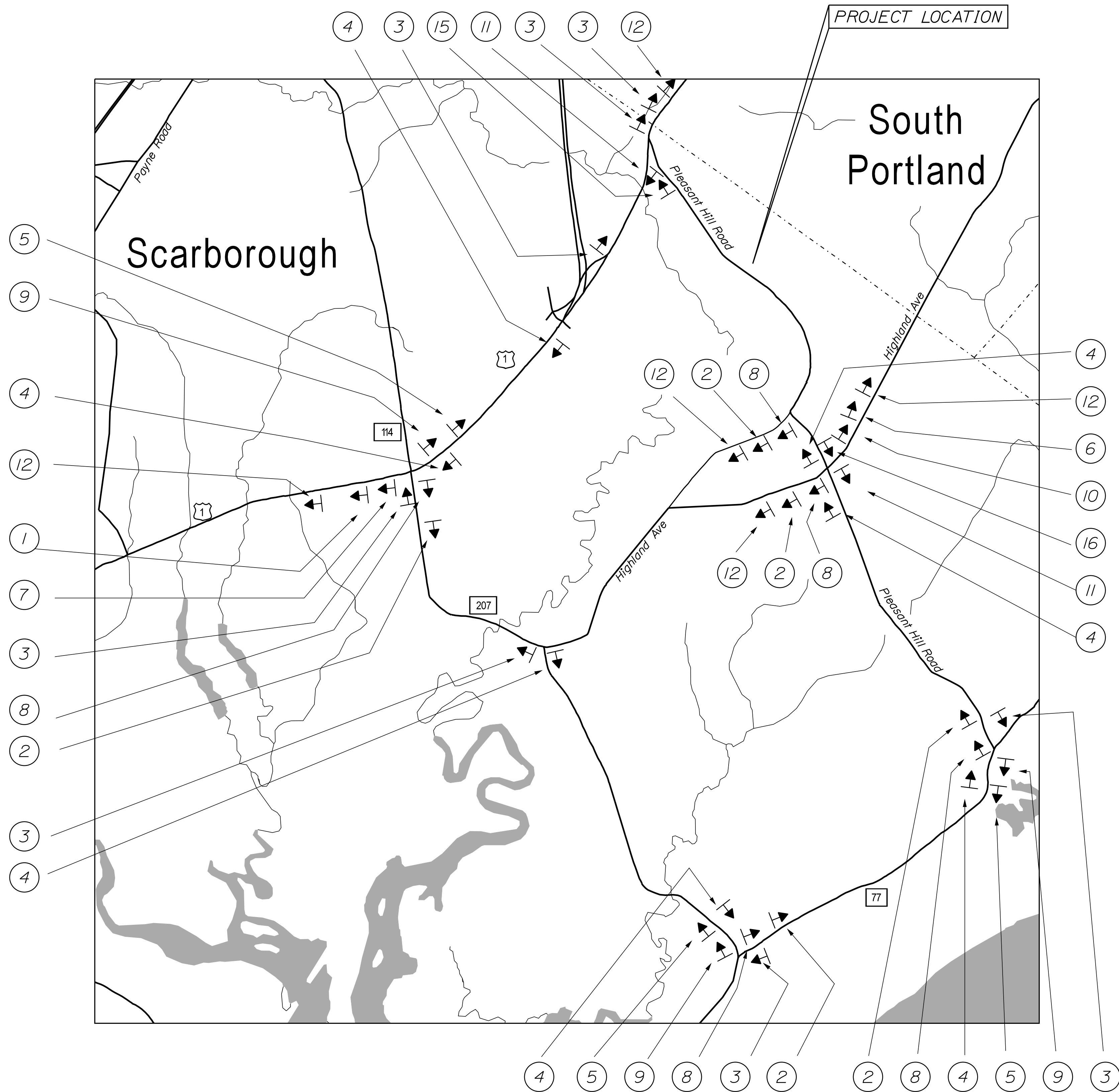
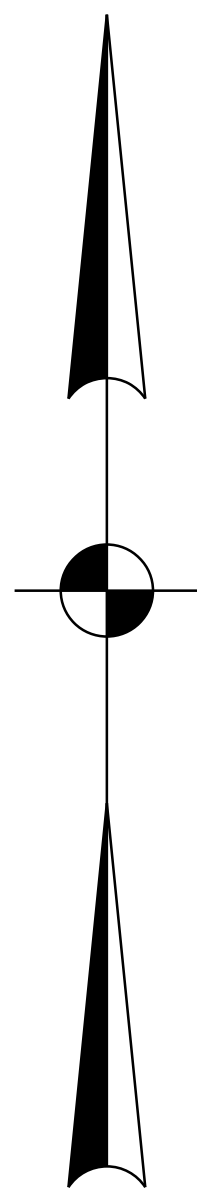


OF 5	SHEET NUMBER	3	PLEASANT AVENUE CROSSING BRIDGE				PROJ. MANAGER		BUN	BY	DATE	STATE OF MAINE			
			CSX RAILROAD				DESIGN-DETAILED		CVOB	BUN	5/20/25				
			SCARBOROUGH CUMBERLAND COUNTY				CHECKED-REVIEWED		CAG	CAG	6/20/25				
							DESIGN-DETAILED2				SIGNATURE				
							DESIGN-DETAILED3				P.E. NUMBER				
			GENERAL PLAN				REVISIONS 1					BRIDGE NO.3911	WIN	26186.00	BRIDGE PLANS
							REVISIONS 2								
							REVISIONS 3								
							REVISIONS 4								
							FIELD CHANGES								



PROPOSED BRIDGE TYPICAL CROSS SECTION

SHEET NUMBER <div>4</div> OF 5	PLEASANT AVENUE CROSSING BRIDGE CSX RAILROAD SCARBOROUGH CUMBERLAND COUNTY		STATE OF MAINE DEPARTMENT OF TRANSPORTATION
	TYPICAL SECTION		02618600
	REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		SIGNATURE P.E. NUMBER DATE
	PROJ. MANAGER CHECKED-REVIEWED DESIGNED-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		DATE 5/2025 6/2025
BRIDGE NO.3911		WIN 26186.00	BRIDGE PLANS



SIGNAGE AT PROJECT LOCATION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION				02618600				WIN 26186.00				BRIDGE NO.3911				BRIDGE PLANS			
PLEASANT AVENUE CROSSING BRIDGE				CSX RAILROAD				SCARBOROUGH CUMBERLAND COUNTY				DETOUR PLAN				SHEET NUMBER			
5				5				5				5				5			
DATE				SIGNATURE				P.E. NUMBER				DATE				DATE			
5/2025				6/2025															
BY				CAG															
BUN																			
DESIGN-DETAILED				DESIGN-DETAILED															
CHECKED-REVIEWED				CHECKED-REVIEWED															
DESIGN-DETAILED				DESIGN-DETAILED															
REVISIONS 1				REVISIONS 1															
REVISIONS 2				REVISIONS 2															
REVISIONS 3				REVISIONS 3															
REVISIONS 4				REVISIONS 4															
FIELD CHANGES				FIELD CHANGES															