# STATE OF MAINE DEPARTMENT OF TRANSPORTATION

#### **SPECIFICATIONS**

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

#### **MATERIALS**

Concrete:

## BASIC DESIGN STRESSES

Concrete:



## BATH SAGADAHOC COUNTY OAK STREET BRIDGE OVER SMO RAILROAD

(OPERATED BY MID COAST RAIL SERVICE RAILROAD)

OAK STREET FEDERAL PROJECT NO. 2749200 PROJECT LENGTH 0.018 mi. BRIDGE NO. 0997

## LIST OF DRAWINGS

Title Sheet	 	 	
Estimated Quantities and General Notes			
General Plan	 	 	
Typical Section			

#### UTILITIES

**Bath Water District** Central Maine Power Midcoast Railservice **Consolidated Communications** Lincolnville Telephone Company

### TRAFFIC DATA

Current (2023) AADT	620
Future (2043) AADT	680
DHV - % of AADT	1
Design Hour Volume	
Heavy Trucks (% of AADT)	
Heavy Trucks (% of DHV)	3
Directional Distribution (% of DHV)	
18 kip Equivalent P 2.0	1
18 kip Equivalent P 2.5	
Design Speed (mph)	

## MAINTENANCE OF TRAFFIC

Bridge closure with traffic detoured off site.

PROJECT LOCATION	Oak Street over SMO Railroad. Located 0.04 miles east of middle Street. Lat./Long. 43°55'0.97"N 69°49'1.63"W
PROGRAM AREA	Bridge Program
OUTLINE OF WORK	Bridge Wearing Surface Replacement

SHEET NUMBER

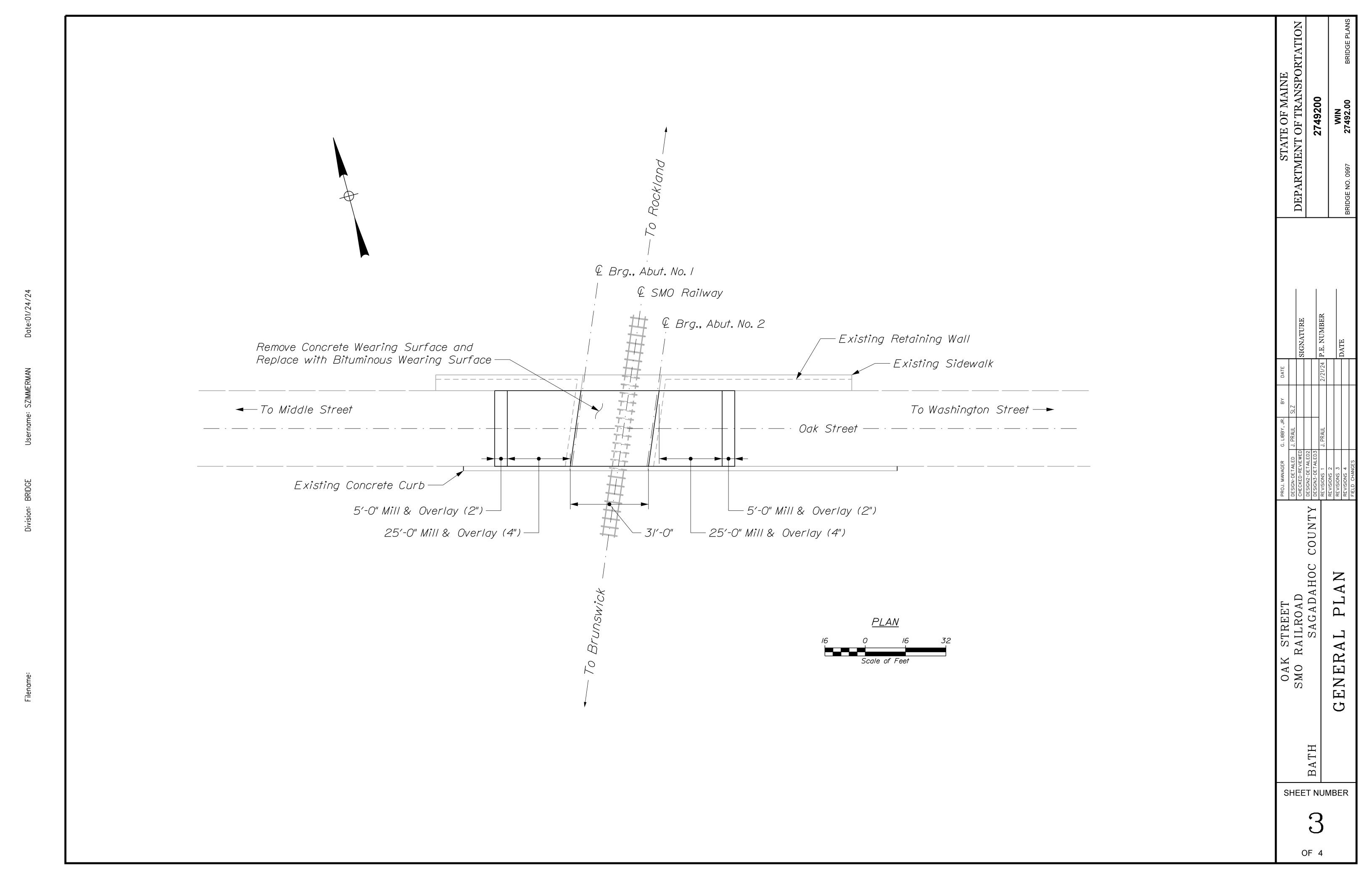
mn.,	ESTIMATED QUANTITIES	OII A NIMIMI	77377
TEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	215	SY
202.30	REMOVE EXISTING CONCRETE WEARING SURFACE (103 SY)		LS
403.208	HOT MIX ASPHALT 12.5 MM SURFACE	26	T
403.209	HOT MIX ASPHALT 9.5 MM SIDEWALKS	5	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	32	T
409.15	BITUMINOUS TACK COAT - APPLIED	27	G
508,14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (104 SY)	/	LS
5/5 <b>.</b> 2/	PROTECTIVE COATING FOR CONCRETE SURFACES (270 SY)	1	LS
5/8 <b>.</b> 50	REPAIR OF UPWARD FACING SURFACES TO REINFORCING STEEL < 8 IN.	10	SF
526 <b>.</b> 30/	TEMPORARY CONCRETE BARRIER, TYPE / (40 LF)	1	LS
	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	400	LF
627.733 620.05		20	HR
<i>629.05 631.12</i>	HAND LABOR, STRAIGHT TIME ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)		HR
		20	
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.19	FIELD OFFICE TYPE B	0.5	EA
652.312 650.33	TYPE III BARRICADE	6	EA
652.33	DRUM	10	EA
652.34	CONE	50	EA SF
652 <b>.</b> 350	CONSTRUCTION SIGNS	300	
652.36 <i>l</i>	MAINTENANCE OF TRAFFIC CONTROL DEVICES	7	LS
	FLAGGER	20	HR
652 <b>.</b> 41	PORTABLE CHANGEABLE MESSAGE SIGN		EA
656 <b>.</b> 75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL MOBILIZATION	1	LS LS
009,10	WOBILIZATION	,	LS

#### GENERAL CONSTRUCTION NOTES

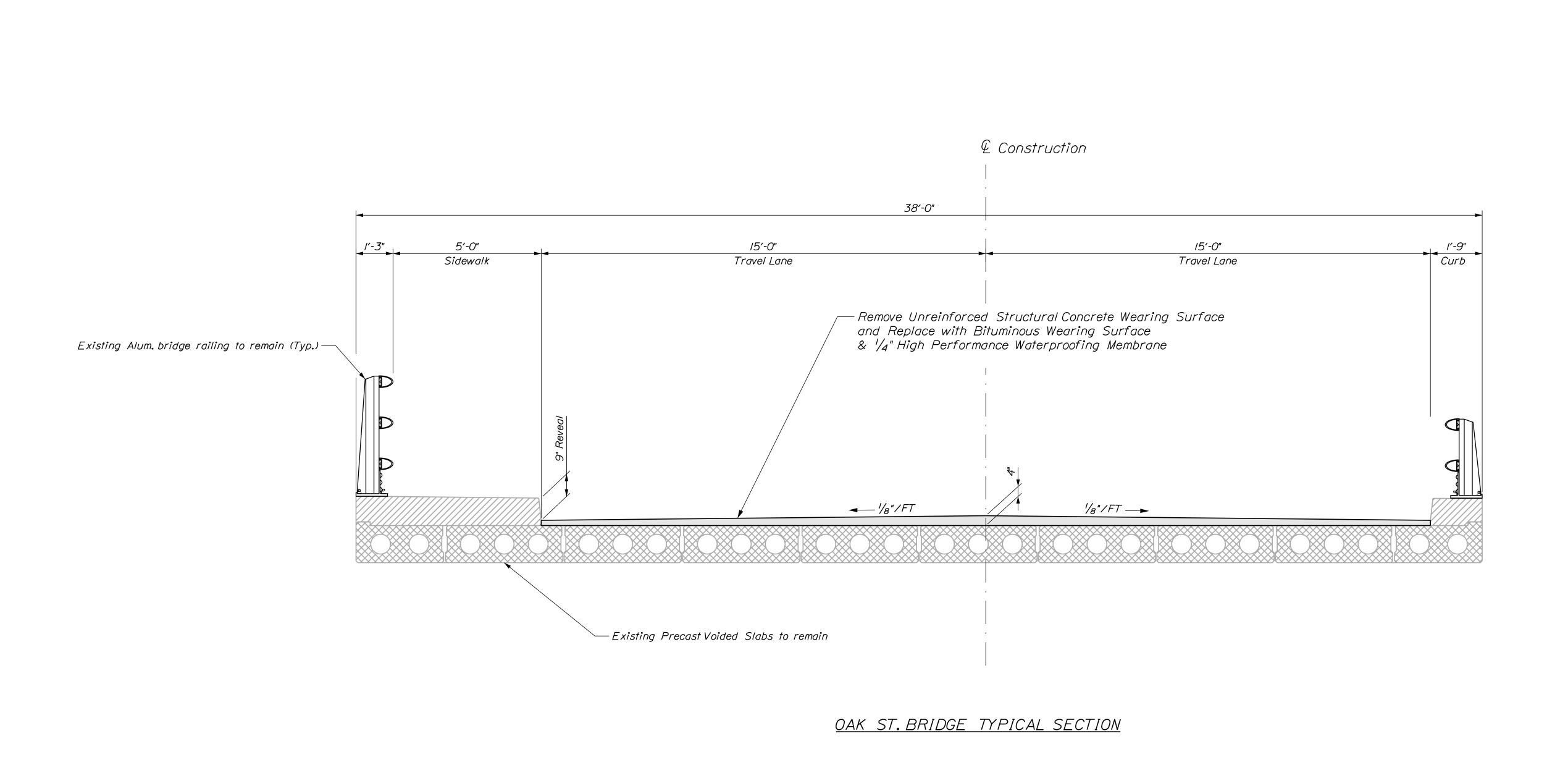
- I. Project information referred to below may be accessed at the following MaineDOT web address: http://www.maine.gov/mdot/contractors/
- 2. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of 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.
- 3. The bridge deck evaluation report of the existing bridge may be accessed at the MaineDOT web address. The report contains visual inspection information and 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.
- 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. Protective Coating for Concrete Surfaces shall be applied to the following areas:

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

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COUNTY SHEET NUMBER

OF 4