STATE OF MAINE DEPARTMENT OF TRANSPORTATION

SCARBOROUGH - CAPE ELIZABETH CUMBERLAND COUNTY SPURWINK BRIDGE

TRAFFIC DATA

Current (2022) AADT	4800
Future (2044) AADT	6420
DHV - % of AADT	12%
Design Hour Volume	770
Heavy Trucks (% of AADT)	5%
Heavy Trucks (% of DHV)	4%
Directional Distribution (% of DHV)	50%
18 kip Equivalent P 2.0	70
18 kip Equivalent P 2.5	67
Design Speed (mph)	35 MPH

MATERIALS

Concrete: All Other

BASIC DESIGN STRESSES

Concrete: Class "A" —

f 'c = 4,000 psi

Class "A"

UTILITIES

CMP Charter Communications Consolidated Communications

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OVER SPURWINK RIVER SPURWINK RD/BOWERY BEACH RD FEDERAL AID PROJECT NO. 2840600 BRIDGE NO. 2796 PROJECT LENGTH 0.025 MILES

Title Sheet
Estimated Quantities & Ge
General Plan
Transverse Sections
Staged Construction
FRP Bridge Drain Insert

D eneral Construction Notes APE ELIZABETH BRIDGE H SHEE U ARBOROUGH - C SPURWINK TITLE SC SHEET NUMBER OF 6

PROJECT LOCATION

LIST OF DRAWINGS MAINTENANCE OF TRAFFIC Staged construction maintaining one lane of alternating one - way traffic using temporary traffic signals. Cape Elizabeth/Spurwink Bridge (#2796) Over Spurwink River Lat./Long. 43°34'55.9" N 70°15'27.0" W Wearing Surface Replacement

OUTLINE OF WORK

	ESTIMATED QUANTITIES			
PAY ITEM	DESCRIPTION		QUANTITY	UNIT
202.127	REMOVING EXISTING BITUMINOUS PAVEMENT	(310 SY)	1	LS
202.20	REMOVING BITUMINOUS CONCRETE PAVEMENT	(,	150	SY
202.202	REMOVING PAVEMENT SURFACE		40	SY
203.20	COMMON EXCAVATION		20	CY
403.2081	HOT MIX ASPHALT 12.5 MM SURFACE		40	Т
403.2131	HOT MIX ASPHALT 12.5 MM BASE		50	Т
409.15	BITUMINOUS TACK COAT - APPLIED		20	G
502.75	PLUGGING EXISTING BRIDGE DRAINS		2	EA
502.78	FRP BRIDGE DRAIN INSERT		1	ΕA
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE	(310 SY)	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES	(170 SY)	1	LS
518.391	REPAIR GRANITE CURB JOINT AND BED MORTAR		25	LF
518.50	REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN		140	SF
518.51	REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN		410	SF
526.301	PORTABLE CONCRETE BARRIER, TYPE 1	(100 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS		2	UN
610.08	PLAIN RIPRAP		15	CY
620.58	EROSION CONTROL GEOTEXTILE		20	SY
627.18	12 INCH SOLID WHITE PAVEMENT MARKING LINE		60	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE		1150	LF
627.77	REMOVING PAVEMENT MARKING		500	SF
627.78	TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW		1500	LF
629.05	HAND LABOR, STRAIGHT TIME		20	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)		20	HR
631.11	AIR TOOL (INCLUDING OPERATOR)		20	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	ΕA
643.72	TEMPORARY TRAFFIC SIGNAL		1	LS
652.312	TYPE III BARRICADE		6	ΕA
652.33	DRUM		10	ΕA
652.34	CONE		50	EA
652.35	CONSTRUCTION SIGNS		400	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES		1	LS
652.38	FLAGGER		240	HR
652.41	PORTABLE CHANGABLE MESSAGE SIGN		2	ΕA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL		1	LS
659.10	MOBILIZATION		1	LS

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GENERAL CONSTRUCTION NOTES

considered incidental to Contract items. 2. No utility adjustments are anticipated. 3. 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.

4. Where it is apparent that runoff will cause continual erosion in the ROW, Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed. Payment will be made under the appropriate Contract items.

areas:

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

8. 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.

9. 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.

10. Portions of the existing bridge shall be removed by and become the property of the Contractor. The steel portions of the existing bridge may be coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated by the process of demolishing the bridge. The Contractor is responsible for implementing appropriate OSHA mandated personal protection standards related to this process. Once the existing bridge is removed, the Contractor is solely responsible for the care, custody, and control of the components of the existing bridge and any hazardous waste generated as a result of the storage, recycling, or disposal of the bridge components, including lead-coated steel. The Contractor shall recycle or reuse the steel in accordance with the Maine Department of Environmental Protection's "Maine Hazardous Waste Management Regulations," Chapter 850. A copy of this regulation is available at MaineDOT's offices on Child Street in Augusta. Payment for all labor, materials, equipment, and other costs required to remove and dispose of the existing bridge will be and other costs required to remove and dispose of the existing bridge will be considered incidental to the bridge removal pay item.

1. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be

5. Protective Coating for Concrete Surfaces shall be applied to the following

All exposed surfaces of concrete curbs, abutments, and wings, *Fascias down to the drip notch, and All exposed surfaces of Concrete Transition Barriers.*

7. 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.

11. The Resident shall be informed a minimum of 2 weeks prior to the removal of any survey monuments from the project. Monuments shall be carefully salvaged by the Contractor and will remain the property of the Department.

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5/19/2025

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Notes 1. Remove existing 3" Asphalt and Membrane Waterproofing. 2. Repair damaged Concrete Deck as directed by Resident. 3. Wrap High-Performance Waterproofing Membrane over Concrete Deck and down vertically behind Abutments by 6". 4. Stagger approach base layer by 5'inward towards bridge abutments from top surface layer. 5. Repair plain riprap behind the abutment wings from the roadway berm to the end of the wing, a minimum of 3' deep and extending 5' behind the wing, or as directed by Resident. Place Erosion Control Geotextile under the riprap.



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DATE: \$DATE\$

Abutment No. 1 Shown, Abutment No. 2 Similar

Excavate and replace existing gravel to install membrane – _____

	SHEE		MBER
- New non- shrink Mortar	URWINK BRIDGE/SPURWINK RIVER	RBOROUGH - CAPE ELIZABETH CUMBERLAND COUNTY	TRANSVERSE SECTIONS
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	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	FEDERAL PROJECT NO. 2840600	WIN BRIDGE NO. 2796 28406.00 BRIDGE PLANS
C Bridge Gap Between Milled Surface and New Membrane Existing Wearing Surface Varies	SPURWINK BRIDGE/SPURWINK RIVER DESIGN-DETAILED K. REED 4/25 SIGNATURE	SCARBOROUGH - CAPE ELIZABETH CUMBERLAND COUNTY DESIGN3-DETAILED2 REVISIONS 1 P.E. NUMBER	Base STAGED CONSTRUCTION REVISIONS 2 REVISIONS 4 REVISIONS 4

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