

STATE OF MAINE DEPARTMENT OF TRANSPORTATION 16 STATE HOUSE STATION AUGUSTA, MAINE 04333-0016

Bruce A. Van Note

July 15, 2025

Subject: Bridge Replacement

WIN: 022382.00

Location: Cumberland-Yarmouth

Amendment No. 7

Dear Sir/Ms.:

In the Plan Set:

REMOVE Sheet Number 2 of 121, ESTIMATED QUANTITIES dated 7/11/2025 and REPLACE with the attached Sheet Number 2 of 121, ESTIMATED QUANTITIES dated 7/14/2025.

REMOVE Sheet Number 24 of 121, SIGNING & STRIPING PLAN (4 OF 4) dated 5/2/2025 and **REPLACE** with the attached Sheet Number 24 of 121, SIGNING & STRIPING PLAN (4 OF 4) dated 7/14/2025.

In the contract bid book:

REMOVE pages 16 to 37 titled Proposal Schedule of Items dated 7/14/2025 (12 pages) and **REPLACE** with the attached Proposal Schedule of Items dated 7/14/2025 (12 pages)

The following questions have been received:

Question: Please confirm that the relocated 40' light poles will be installed on new 24" x 7' foundations. Maine DOT standards state that the 24" foundations are designed for poles up to 30' tall.

Response: Foundations for 40' poles shall be designed by a licensed engineer per 626.036. Quantities assume 24" x 7' based on existing plans and foundations. Payment for additional length required will be paid for under unit item 626.421

Question: The schedule of items includes a quantity of three Controller Cabinet Foundations under item #626.35. The plans state that the RRFB foundations will be controller cabinet

foundations paid for under this item. Should the RRFBs be installed on 24" x 4' foundations per the standard detail?

Response: Yes, foundations for RRFB's to be installed per standard detail for Controller Cabinet Foundation.

Question: The plans show the lights on the south side of the bridge will be connected to an existing lighting cabinet, please confirm there are spare circuits in this cabinet for the new lighting circuit. The plans show the lights on the north side of the bridge will be connected to existing conduit, where is the lighting cabinet for this side of the bridge located?

Response: Existing lighting cabinet from 2012 As-Built plans indicate cabinet at Station 471+00 RT (300' north of Park and Ride intersection). The availability of spare circuits is unknown.

Question: The notes and spec for the Pedestrian Hybrid Beacon mention a separate power source that is not shown on the plans. The plans show the Pedestrian Hybrid Beacon system connected to the lighting control cabinet. Will the Hybrid Beacon be on a spare power circuit from the existing lighting control cabinet as shown on the plans or a separate metered power source?

Response: The Pedestrian Hybrid Beacon shall have a separate metered power source.

Question: Will the RRFBs be powered from the lighting circuit as shown on the plans or a separate metered power source? If from the lighting circuit, confirm there are spare circuits in the existing lighting cabinet?

Response: RRFB to be powered from the lighting circuit. The availability of spare circuits in cabinet is unknown.

Question: If these items require a new metered power source, will a new item for metallic conduit be added to the contract?

Response: No metered power source required.

Question: Under item 643.65 Pedestrian Hybrid Beacon, the specifications call for an ATC Ground Mounted M Cabinet. Please provide additional details on the design requirements of this cabinet.

Response: The Cabinet shall meet the requirements of a McCain M ATC Cabinet or equal.

Question: At approximete station #119+00 the plans show a proposed pole & overhead span wire, provide details on what will be attached to the span wire. Will one wood pole for this span be paid for under item 643.97? Will the other end be attached to an existing utility pole?

Response: Two wood poles to be included in item 643.97, 44' LT and 51' RT. MUTCD Sign R10-15L, 36"x36" to be installed over left turn lane. Please see updated sheets 2 and 24.

Question: Will under pavement conduit need to be directionally drilled? If so, will an item for this underpavement conduit be added to the contract?

Response: No directional drilling required.

Question: Lighting general notes #1, #23 and #25 mention junction box installation, the plans show only one junction box at light pole H2. Considering there is 2,280' of conduit to be installed, can more junction boxes be added along with a bid item? For instance, at light pole R2 the is a junction of conduit from four directions. If the under pavement conduit will be directionally drilled, junction boxes will be required on either end.

Response: Junction boxes are not required for the lighting system. If junction boxes are a part of the equipment and materials to be provided under Standard Specification Section 634.022, junction boxes would be incidental to item 634.160 (lighting general note 28).

Question: Item 634.2223 Remove and Reset Light Standard with Luminaire has a quantity of 9. The light pole charts on the lighting plans show a quantity of 12 poles to be relocated. Which is correct?

Response: 9 is the correct quantity. Light pole charts include information for poles on that sheet and there are a few poles that appear on multiple sheets (R-3, R-4, and R-5).

Question: Item 626.421 24" foundations has a quantity of 115LF. If the foundations are 7' tall per the standard detail, this equates to roughly 16 foundations. The light pole charts on the plans show 20 poles that will require new foundtions. Which is correct?

Response: 115LF is the correct quantity. Light pole charts include information for poles on that sheet and there are a few poles that appear on multiple sheets (R-3, R-4, R-5, and MU-3).

Question: Item 634.210 Conventional Light Standards show a quantity of 7, but the light pole charts have a quantity of 8. Which is correct?

Response: 7 is the correct quantity. Light pole charts include information for poles on that sheet and there is a pole that appears on multiple sheets (MU-3).

Question: Please confirm that the relocated 40' light poles will be installed on new 24" x 7' foundations. Maine DOT standards state that the 24" foundations are designed for poles up to 30' tall.

Response: See response above.

Consider these changes and information prior to submitting your bid on July 16, 2025.

Sincerely,

George M. A. Macdougall P.E. Contracts & Specifications Engineer

Keye Wachagell

Proposal Schedule of Items

Page 1 of 12

Proposal ID: 022382.00 **Project(s):** 022382.00

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0010	201.11 CLEARING	2.100 AC	<u> </u>	<u> </u>
0020	202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN	2.000 EA	<u> </u>	!
0030	202.19 REMOVING EXISTING BRIDGE	LUMP SUM	LUMPSUM	!
0040	202.202 REMOVING PAVEMENT SURFACE	1,150.000 SY	<u> </u>	!
0050	202.205 RUMBLE STRIPS - SHOULDER	1,500.000 LF	<u> </u>	
0060	202.207 RUMBLE STRIPS, FILL	1,500.000 LF		
0070	203.20 COMMON EXCAVATION	11,300.000 CY		
0080	203.24 COMMON BORROW	41,500.000 CY	<u> </u>	!
0090	203.25 GRANULAR BORROW	380.000 CY	<u> </u>	
0100	203.4338 LIGHTWEIGHT FILL FOAMED GLASS AGGREGATE	1,300.000 CY	!	!
0110	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	196.000 CY	!	
0120	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	11,000.000 CY	!	

Proposal Schedule of Items

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SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0130	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	1,430.000 T	<u></u> !	
0140	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	330.000 T	<u></u> !	!
0150	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	4,850.000 T	<u></u> !	!
0160	409.15 BITUMINOUS TACK COAT - APPLIED	885.000 G	<u> </u>	!
0170	461.131 TEMPORARY PAVEMENT	600.000 T	<u> </u>	!
0180	501.239 DYNAMIC LOADING TESTS - PROVIDING FOR	3.000 EA	!	!
0190	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	1,750.000 LF	<u></u> !	
0200	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	1,600.000 LF	!	
0210	501.90 PILE TIPS	35.000 EA	<u> </u>	
0220	501.91 PILE SPLICES	14.000 EA	<u> </u>	
0230	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP SUM	LUMPSUM	

Proposal Schedule of Items

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Proposal ID: 022382.00 **Project(s):** 022382.00

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0240	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM	LUMP SUM	!
0250	502.239 STRUCTURAL CONCRETE PIERS	LUMP SUM	LUMP SUM	!
0260	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM	LUMP SUM	!
0270	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM	LUMP SUM	
0280	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	5,400.000 LB	<u></u> !	
0290	503.13 REINFORCING STEEL, PLACING	5,400.000 LB	!	
0295	503.17 MECHANICAL WELDED SPLICE	626.000 EA		
0300	503.19 LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	189,600.000 LB	!	!
0310	503.20 LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	189,600.000 LB	<u></u> !	!
0320	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM	LUMP SUM	
0330	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP SUM	

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SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0340	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP SUM	
0350	506.9104 THERMAL SPRAY COATING - SHOP APPLIED	LUMP SUM	LUMPSUM	!
0360	507.0833 BARRIER MOUNTED BRIDGE RAIL, BICYCLE	LUMP SUM	LUMP	
0370	507.0848 BARRIER-MOUNTED STEEL BRIDGE RAILING, 2 BAR	LUMP SUM	LUMP	!
0380	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMPSUM	!
0390	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP SUM	!
0400	519.60 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	110.000 LF	!	!
0410	523.52 BEARING INSTALLATION	7.000 EA	<u> </u>	
0420	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	7.000 EA	<u></u> !	
0430	524.301 TEMPORARY STRUCTURAL SUPPORT PIER	LUMP SUM	LUMPSUM	!
0435	524.301 TEMPORARY STRUCTURAL SUPPORT EXISTING ABUTMENT	LUMP SUM	LUMP SUM	

Proposal Schedule of Items

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Proposal ID: 022382.00 **Project(s):** 022382.00

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0440	524.40 PROTECTIVE SHIELD	LUMP SUM	LUMP SUM	!
0450	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM	LUMP SUM	!
0460	526.341 PERMANENT CONCRETE BARRIER	LUMP SUM	LUMP SUM	!
0470	527.33 TRUCK MOUNTED ATTENUATOR	2.000 EA	!	!
0480	527.34 WORK ZONE CRASH CUSHIONS	4.000 UN		
0490	603.169 15 INCH CULVERT PIPE OPTION III	160.000 LF	!	
0500	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	192.000 LF	!	!
0510	603.179 18 INCH CULVERT PIPE OPTION III	286.000 LF	!	<u>!</u>
0520	604.092 CATCH BASIN TYPE B1-C	3.000 EA		
0530	604.16 ALTERING CATCH BASIN TO MANHOLES	1.000 EA	!	!
0540	604.262 CATCH BASIN TYPE B5-C	14.000 EA		
0550	605.11 12 INCH UNDERDRAIN TYPE C	614.000 LF		

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SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0560	605.13 18 INCH UNDERDRAIN TYPE C	306.000 LF	<u></u> !	<u>!</u>
0570	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	1,275.000 LF	<u>!</u>	!
0580	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	4.000 EA	<u>!</u>	!
0590	606.1306 31" W-BM GR, MID-WAY SPLICE TANGENT TERMINAL	2.000 EA	<u> </u>	!
0600	606.1307 BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1A	4.000 EA	<u> </u>	!
0610	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	25.000 LF	!	
0620	606.232 GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	75.000 LF	<u></u> !	!
0630	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	4.000 EA	<u> </u>	!
0640	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	14.000 EA	<u> </u>	!
0650	607.16 CHAIN LINK FENCE - 4 FOOT	850.000 LF	!	<u></u> !
0660	607.1811 CHAIN LINK FENCE - 3 FOOT	180.000 LF	!	<u>!</u>
0670	607.421 SCREENING FENCE	184.000 LF		<u> </u>

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Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0680	608.26 CURB RAMP DETECTABLE WARNING FIELD	150.000 SF	<u>!</u>	!
0690	609.11 VERTICAL CURB TYPE 1	475.000 LF	<u>!</u>	<u>!</u>
0700	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	105.000 LF	!	<u> </u>
0710	609.221 TERMINAL CURB TYPE 1	16.000 LF	!	!
0720	609.222 TERMINAL CURB TYPE 1 - CIRCULAR	16.000 LF	!	<u>!</u>
0730	609.31 CURB TYPE 3	1,025.000 LF	<u>!</u>	<u>!</u>
0740	609.34 CURB TYPE 5	2,775.000 LF	<u>!</u>	!
0750	609.35 CURB TYPE 5 - CIRCULAR	95.000 LF	!	!
0760	610.08 PLAIN RIPRAP	35.000 CY	<u>!</u>	!
0770	610.18 STONE DITCH PROTECTION	20.000 CY	<u>!</u>	<u>!</u>
0780	613.319 EROSION CONTROL BLANKET	4,750.000 SY	<u>!</u>	!
0790	615.07 LOAM	1,480.000 CY	<u></u> !	<u> </u>
0800	618.14 SEEDING METHOD NUMBER 2	120.000 UN		!

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SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0810	619.12 MULCH	120.000 UN		!
0820	619.14 EROSION CONTROL MIX	2,960.000 CY		
0830	620.58 EROSION CONTROL GEOTEXTILE	40.000 SY		!
0840	626.22 NON-METALLIC CONDUIT	2,280.000 LF	!	
0850	626.35 CONTROLLER CABINET FOUNDATION	3.000 EA	!	
0860	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	9.000 EA	<u></u> !	!
0870	626.421 24 INCH DIAMETER FOUNDATION	115.000 LF	!	
0880	627.18 12 " SOLID WHITE PAVEMENT MARKING	300.000 LF		!
0885	627.30 GROOVING FOR PAVEMENT MARKING	5,600.000 SF	!	!
0890	627.734 4" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED)	9,900.000 LF	!	!
0900	627.745 6" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED)	2,150.000 LF	!	!

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SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
0910	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	825.000 SF	!	
0920	627.77 REMOVING PAVEMENT MARKINGS	500.000 SF		<u> </u>
0930	627.782 TEMPORARY 4 INCH POLYUREA PAVEMENT MARKING LINE, WHITE OR YELLOW	8,000.000 LF	!	!
0940	627.783 TEMPORARY 6 INCH POLYUREA PAVEMENT MARKING LINE, WHITE OR YELLOW	42,000.000 LF		!
0950	629.05 HAND LABOR, STRAIGHT TIME	100.000 HR		!
0960	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	50.000 HR	<u></u> !	
0970	631.11 AIR TOOL (INCLUDING OPERATOR)	50.000 HR		!
0980	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	50.000 HR	!	
0990	631.13 BULLDOZER (INCLUDING OPERATOR)	10.000 HR		!
1000	631.14 GRADER (INCLUDING OPERATOR)	50.000 HR		
1010	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	50.000 HR		

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Proposal ID: 022382.00 **Project(s):** 022382.00

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
1020	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	50.000 HR	!	
1030	631.22 FRONT END LOADER (INCLUDING OPERATOR)	50.000 HR	!	!
1040	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR	!	
1050	634.160 HIGHWAY LIGHTING	LUMP SUM	LUMP SUM	!
1060	634.2042 LED LUMINARIES	7.000 EA		<u> </u>
1070	634.210 CONVENTIONAL LIGHT STANDARD	7.000 EA		!
1080	634.2223 REMOVE AND RESET LIGHT STANDARD WITH LUMINAIRE	9.000 EA	!	
1090	639.18 FIELD OFFICE TYPE A	1.000 EA		!
1100	643.62 RECTANGULAR RAPID FLASHING BEACON	1.000 EA	!	
1110	643.65 PEDESTRIAN HYBRID BEACON SIGNAL LIGHT	LUMP SUM	LUMP SUM	!
1120	643.97 WOOD POLES WITH GUYS AND SPAN WIRE	1.000 EA		
1130	645.103 DEMOUNT GUIDE SIGN	65.000 EA		

Proposal Schedule of Items

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Proposal ID: 022382.00 **Project(s):** 022382.00

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Proposal Line	Item ID	Approximate	Unit Price	Bid Amount
Number	Description	Quantity and Units	Dollars Cents	Dollars Cents
1140	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	43.000 EA	!	!
1150	645.108 DEMOUNT POLE	1.000 EA		
1160	645.113 REINSTALL GUIDE SIGN	65.000 EA		!
1170	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	43.000 EA	!	!
1180	645.118 REINSTALL POLE	1.000 EA		!
1190	645.271 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE I	105.000 SF	!	
1200	652.312 TYPE III BARRICADE	10.000 EA	<u> </u>	!
1210	652.33 DRUM	250.000 EA	<u> </u>	!
1220	652.34 CONE	250.000 EA	<u> </u>	!
1230	652.35 CONSTRUCTION SIGNS	660.000 SF		!
1240	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM	

Proposal Schedule of Items

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Proposal ID: 022382.00	Project(s):	022382.00
SECTION: 1	INITIAL GROUP	

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount	
			Dollars Cents	Dollars Cents	
1250	652.38 FLAGGER	3,000.000 HR		!	
1260	652.381 TRAFFIC OFFICER	240.000 HR		<u>!</u>	
1270	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	4.000 EA	!	!	
1280	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM	!	
1290	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	1,130.000 SY	<u>!</u>		
1300	659.10 MOBILIZATION	LUMP SUM	LUMP SUM	!	
1310	677.20 MECHANICALLY STABILIZED EARTH RETAINING WALL	6,900.000 SF		!	
	Cantiana 4		Total		

Section: 1	Total:	<u> </u>
		ı
	Total Bid:	<u> </u>

	ESTIMATED QUANTITIES		
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	2.10	AC
202.15 202.19	REMOVE EXISTING MANHOLE OR CATCH BASIN REMOVING EXISTING BRIDGE	2	EA LS
202.19	REMOVING PAVEMENT SURFACE	/ 	SY
202.205	RUMBLE STRIPS - SHOULDER	1,500	LF
202.207	RUMBLE STRIPS, FILL	1,500	LF
203 . 20 203 . 24	COMMON EXCAVATION COMMON BORROW	11,300	CY CY
203.25	GRANULAR BORROW	41 , 500 380	CY
203.4338	LIGHTWEIGHT FILL FOAMED GLASS AGGREGATE	1,300	CY
206.082	STRUCTURAL EARTH EXCAVATION-MAJOR STRUCTURES	196	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	11,000	CY
403.2081	HOT MIX ASPHALT - 12.5 MM (POLYMER MODIFIED)	1,430	T
403.209	HOT MIX ASPHALT - 9.5 MM (SIDEWALKS, DRIVES, & INCIDENTALS)	330	<u> </u>
403.2131	HOT MIX ASPHALT - 12.5 MM (BASE AND INTERMEDIATE COURSE POLYMER MOD.)	4, 850	T
409 . 15 461.131	BITUMINOUS TACK COAT - APPLIED TEMPORARY PAVEMENT	885 600	G T
.0.0.0			
501.239	DYNAMIC LOADING TEST - PROVIDING FOR	3	EA
501.50	STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	1,750	LF LF
501 . 501	STEEL H-BEAM PILES 89 LBS/FT, IN PLACE PILE TIPS		LF EA
501 . 90	PILE TIPS PILE SPLICES	35 14	EA EA
501 . 92	PILE DRIVING EQUIPMENT MOBILIZATION	/	LS
502.219	STRUCTURAL CONCRETE, ABUTMENT & RETAINING WALLS (125 CY)	1	LS
502.239	STRUCTURAL CONCRETE PIERS (230 CY)		LS
502 . 26 502 . 31	STRUCTURAL CONCRETE ROAD & SIDEWALK SLABS ON STEEL BRIDGE (540 CY) STRUCTURAL CONCRETE APPROACH SLABS (40 CY)		LS LS
502.31 503.12	STRUCTURAL CONCRETE APPROACH SLABS (40 CY) REINFORCING STEEL, FABRICATED AND DELIVERED	/ 5 , 400	LS LB
503.13	REINFORCING STEEL, PLACING	5,400 5,400	LB LB
503.17	MECHANICAL WELDED SPLICE	626	EA
503 . 19	LOW-CARBON CHROMIUM REINFORCEMENT - FABRICATED AND DELIVERED	189,600	LB
503.20	LOW-CARBON CHROMIUM REINFORCEMENT - PLACING	189,600	LB
504.702 504.71	STRUCTURAL STEEL FABRICATED & DELIVERED, WELDED (791,000 LB) STRUCTURAL STEEL ERECTION (791,000 LB)		LS LS
505 . 08	SHEAR CONNECTORS (4431 EA)		LS
506.9104	THERMAL SPRAY COATING - SHOP APPLIED	1	LS
507.0833	BARRIER MOUNTED BRIDGE RAIL, BICYCLE (273 LF)	1	LS
507.0848	BARRIER-MOUNTED STEEL BRIDGE RAIL, 2 BAR (546 LF)	1	LS
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (1700 SY)		LS
515 . 21 519 . 60	PROTECTIVE COATING FOR CONCRETE SURFACES (1200 SY) EXPANSION DEVICE - ASPHALTIC PLUG JOINT	/ ///	LS LF
523 . 52	BEARING INSTALLATION	7	EA
<i>523.5401</i>	LAMINATED ELASTOMERIC BEARINGS, FIXED	7	EA
524 . 301	TEMPORARY STRUCTURAL SUPPORT - PIER	1	LS
524 . 301 524 . 40	TEMPORARY STRUCTURAL SUPPORT - EXISTING ABUTMENT PROTECTIVE SHIELD		LS LS
526 . 301	PORTABLE CONCRETE BARRIER TYPE I (2800 LF)	1	LS
526.341	PERMANENT CONCRETE BARRIER, SPECIAL (820 LF)	1	LS
527.33	TRUCK MOUNTED ATTENUATOR	2	EA
527.34	WORK ZONE CRASH CUSHIONS	4	UN
603.169	15" CULVERT PIPE OPTION III	160	LF
603.175	18" RCP CLASS III	192	<u>LF</u>
603.179	18" CULVERT PIPE OPTION !!!	<u>286</u> 3	LF F A
604 . 092 604 . 16	CATCH BASIN TYPE BI-C ALTER CATCH BASIN TO MANHOLE	J	EA EA
604.262	CATCH BASIN TYPE B5-C	14	EA
605.//	12" UNDERDRAIN TYPE C	614	LF
605.13	18" UNDERDRAIN TYPE C	306	<u>LF</u>
606.1301 606.1305	3"W-BEAM GUARDRAIL, MID-WAY SPLICE - SINGLE FACED 3"W-BEAM GUARDRAIL, MID-WAY SPLICE FLARED TERMINAL	1 , 275 4	LF EA
606.1305	31" W-BEAM GUARDRAIL, MID-WAY SPLICE FLARED TERMINAL	<u> </u>	EA EA
606.1307	BRIDGE TRANSITION TYPE IA - ASYMMETRICAL	4	EA
606.23	GUARDRAIL TYPE 3C - SINGLE RAIL	25	LF
606.232	GUARDRAIL TYPE 3C - OVER 15' RADIUS	75	LF
606 . 265	TERMINAL END - SINGLE RAIL - GALVANIZED REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	4 	EA EA
606,353	CHAIN LINK FENCE - 4'		LF
607.1811	CHAIN LINK FENCE - 3'	180	LF
607.421	SCREENING FENCE	184	LF
608.26	CURB RAMP DETECTABLE WARNING FIELD	150	SF
609.II	VERTICAL CURB TYPE I- CIRCULAR	475 105	LF I F
609 . 12	VERTICAL CURB TYPE I- CIRCULAR TERMINAL CURB TYPE I	105 16	LF LF
609.222	TERMINAL CURB TYPE I - CIRCULAR		LF LF
609.31	CURB TYPE 3	1,025	LF
609.34	CURB TYPE 5	2,7 75	LF
609.35	CURB TYPE 5 - CIRCULAR	95 35	LF OX
610.08	PLAIN RIPRAP STONE DITCH PROTECTION	<u>35</u> 20	CY CY
	STORE DITCH FROIECTION	Z U	L1
610 . 18 613 . 319	EROSION CONTROL BLANKET	4, 750	SY

ESTIMATED QUANTITIES							
TEM NO.	DESCRIPTION	QUANTITY	UNIT				
618.14	SEEDING METHOD NUMBER 2	120	UN				
619.12	MULCH	120	UN				
619.14 620.58	EROSION CONTROL MIX EROSION CONTROL GEOTEXTILE	2,960 40	<u>CY</u> SY				
626,22	NON-METALLIC CONDUIT	2,280	SI 				
626.35	CONTROLLER CABINET FOUNDATION	3	EA				
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	9	EA				
626.421	24 INCH DIAMETER FOUNDATION	115	<u>LF</u>				
627.18 627.30	I2" SOLID WHITE PAVEMENT MARKING GROOVING FOR PAVEMENT MARKINGS	300 5 , 600	<u>LF</u> SF				
627.734	4" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED)	9,900					
627.745	6" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED)	2,150	LF				
<i>627.</i> 75	WHITE OR YELLOW PAVEMENT & CURB MARKING	825	SF				
627.77	REMOVING PAVEMENT MARKINGS	500	<u>SF</u>				
<i>627.782 627.783</i>	TEMPORARY 4" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE TEMPORARY 6" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE	8,000 42,000	<u>LF</u> LF				
<i>629.05</i>	HAND LABOR, STRAIGHT TIME	100	HR				
631 . 10	AIR COMPRESSOR (INC OPERATOR)	50	HR				
631 . II	AIR TOOL (INCLUDING OPERATOR)	50	HR				
631.12	ALL PURPOSE EXCAVATOR (INC OPERATOR)	50	HR				
631 . 13	BULLDOZER (INCLUDING OPERATOR) GRADER (INCLUDING OPERATOR)	10 50	HR HR				
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	50	 HR				
631 . 21	ROAD BROOM (INCLUDING OPERATORS AND HAULER)	50	HR				
631.22	FRONT END LOADER (INCLUDING OPERATOR)	50	HR				
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	10	HR				
634.160 634.2042	HIGHWAY LIGHTING LED LUMINARIES	7	LS EA				
634.2042 634.210	CONVENTIONAL LIGHT STANDARD	7	EA 				
634.2223	REMOVE AND RESET LIGHT STANDARD WITH LUMINAIRE	9	EA				
639.18	FIELD OFFICE TYPE A	1	EA				
643.62	RECTANGULAR RAPID FLASHING BEACON	<i>l</i>	EA				
643.65	PEDESTRIAN HYBRID BEACON	1	LS				
643.97 645.103	WOOD POLES WITH GUYS AND SPAN WIRE DEMOUNT GUIDE SIGN	65	EA EA				
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION & ROUTE MARKER SIGN	43	EA				
645.108	DEMOUNT POLE	I	EΑ				
645.//3	REINSTALL GUIDE SIGN	65	EA				
645,116	REINSTALL REGULATORY, WARNING, CONFIRMATION, & ROUTE MARKER SIGN	43	<u>EA</u>				
645.II8 645.27I	REINSTALL POLE REGULATORY, WARNING, CONFIRMATION & ROUTE SIGNS TYPE I	105	<i>EA</i>				
652 . 312	TYPE III BARRICADE	10					
652.33	DRUM	250	EA				
<i>652.34</i>	CONE	250	EA				
652.35	CONSTRUCTION SIGNS	660	SF				
652.36 <i>i</i> 652.38	MAINTENANCE OF TRAFFIC CONTROL DEVICES FLAGGER	3,000	<u>LS</u> HR				
652 . 381	TRAFFIC OFFICER	240	HR				
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	4	EA				
<i>656.</i> 75	TEMPORARY SOIL EROSION & WATER POLLUTION CONTROL	I	LS				
658.20	ACRYLIC LATEX FINISH, GREEN	1,130	SY				
659.10 677 . 20	MOBILIZATION MECHANICALLY STABILIZED EARTH RETAINING WALL	6,900	LS SF				
011.20	MEGNAMICALLI STABILIZED LANTI NETAIMING WALL	0,500	<u> </u>				
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DEPARTMENT OF TRANSPORTATION

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BRIDGE NO. 5804

22382.00

BRIDGE PLANS RELOCATED US 1 BRIDGE INTERSTATE 295 CUMBERLAND-YARMOUTH CUMBERLAND COUNTY QUANTITIES ESTIMATED SHEET NUMBER

OF 121

