



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

December 4, 2023
Subject: Bridge Deck Replacement
State WIN: 025631.01
Location: **Medway**
Amendment No. 8

Dear Sir/Ms.:

In the Bid Book:

ADD the attached special provision Section 401 Hot Mix Asphalt (Special Seasonal Limitations for Bridge Paving) dated December 4, 2023 (2 pages)

ADD the attached special provision Section 631 Equipment Rental (Infrared Heater (including operator)) dated December 4, 2023 (2 pages)

Remove pages 16 to 26 Proposal Schedule of Items dated 10/4/2023 totaling 11 pages and Replace with the attached Proposal Schedule of Items Dated 12/4/2023 totaling 11 pages

In the Plan Set:

REMOVE Sheet number 3 of 168, ESTIMATED QUANTITIES dated 10/3/2023 and **REPLACE** with the attached Sheet Number 3 of 168 ESTIMATED QUANTITIES dated 12/4/2023.

The following questions have been received:

Question: Please confirm that the removal of the existing guardrail, noted to be required per the notes in Special Provision 606, is included in the bid item 606.363. The bid quantities do not align with the note.

Response: See revised SHEET NUMBER 3 of 168, ESTIMATED QUANTITIES dated 12/4/2023. This revised sheet makes the following changes:

- Incorporates the pen and ink change for item 609.40 RESET CURB TYPE 5 from Bid Amendment #1,
- Updates the quantities of item 606.363 GR REMOVE AND DISPOSE, and
- Adds item 631.165 INFRARED HEATER (INCLUDING OPERATOR).

Question: Please confirm that the "Working Drawings" referenced in the Precast Panels special provision are survey as-built type drawings and are not meant to be stamped by a Professional Engineer.

Response: If partial depth precast concrete deck panels are used, the working drawings for profile grade changes referenced in the Amendment 3 question responses must be stamped by a Professional Engineer licensed in the State of Maine.

Question: Please confirm if the VDM bridges can be opened to traffic with only base paving completed due to the timing restrictions of surface paving and the bridge opening / closure windows.

Response: The Vaughan Daggett Memorial bridges may not be opened to traffic with only base paving completed. Special Provisions Section 401 Hot Mix Asphalt (Special Seasonal Limitations for Bridge Paving) and Section 631 Equipment Rental (Infrared Heater (including operator)) have been added to the contract documents and SHEET NUMBER 3 of 168, ESTIMATED QUANTITIES has been revised to include item 631.165 Infrared Heater (including operator).

Question: Will CNI be required for the precast form panels?

Response: CNI will not be required for the partial depth precast concrete deck panels.

Consider these changes and information prior to submitting your bid on **December 6, 2023**.

Sincerely,



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

SPECIAL PROVISION SECTION 401
HOT MIX ASPHALT
(Special Seasonal Limitations for Bridge Paving)

The following section of Section 400 has been revised as follows:

401.06 Weather and Seasonal Limitations The following language has been added to Section 401.06:

The Contractor may place Hot Mix Asphalt Pavement that is intended to serve as a traveled way wearing course between the Saturday following October 15th and November 15th, provided that the air temperature as determined by an approved thermometer (placed in the shade at the paving location) is 40°F or higher, and the HMA is produced with one of the WMA technologies listed below and approved for use by the Department.

- a. The use of organic WMA additives
- b. The use of manufactured liquid chemical WMA additives

The WMA additives shall be mixed with the asphalt at the HMA plant or the asphalt suppliers facility at a rate recommended by the manufacturer.

WMA additives introduced at the hot mix plant shall utilize a commercially manufactured system inspected and approved by the Department and be capable of being and tied directly to and control the additive rate to the hot mix asphalt plants rate of production.

WMA additives may be mixed with the asphalt at the asphalt terminal a rate recommended by the manufacturer in a manner to assure complete dispersion throughout the load. Should the WMA additives be added at the terminal, additive type, and total additive amounts shall be listed on the loading invoice.

The use of a controlled asphalt foaming system, utilizing an injection system to introduce water to the asphalt stream and “expand” the asphalt prior to mixing with the aggregate in asphalt mixture plant, will not be permitted to produce mix past the normal paving seasonal limitations deadline. The WMA must be produced and placed at the normal production temperatures specified in section 401.04.

The Contractor may place Hot Mix Asphalt Pavement that is intended to serve as permanent base pavement on bridge deck membrane between the Saturday following October 15th and the Saturday following October 31st, provided that the air temperature as determined by an approved thermometer (placed in the shade at the paving location) is 40°F or higher, if the HMA is produced with one of the WMA technologies approved for use by the Department, and the membrane has been heated with an approved infrared heat technology and rolled to ensure sealing and bond to the concrete deck.

The Contractor may place Hot Mix Asphalt Pavement that is intended to serve as permanent base pavement between the Saturday following October 31th and November 15th, provided that the air temperature as determined by an approved thermometer (placed in the shade at the paving location) is 35°F or higher, and the HMA is produced with one of the WMA technologies approved for use by the Department. The areas to be paved must be heated to a minimum of 80 and maximum 130 degree surface temperature by use of an approved infrared heat technology. The high-performance membrane system shall be heated with an approved infrared heat technology and rolled / installed in a manner to ensure sealing and bond to the concrete deck prior to paving. Infrared heat shall be used as needed to aid in the placement and compaction of the base pavements. Prior to base paving, the membrane shall be heated until the membrane has softened and warming maintained up until

rolling and paving operations commence. Payment for the infrared heater use shall be per Special Provision 631.165.

The Department may authorize the Contractor to place pavements in adverse conditions in order to open the project to traffic as defined in the project specifications. Any pavement placed outside of seasonal limitations (temperature and dates) and or in adverse weather conditions (rain, sleet, snow, etc.) by direction of the Department will not be subject to permanent pavement acceptance criteria.

If installed materials are determined to be temporary due to direction given from Department, removal and replacement shall be made under the appropriate contract items.

If installed materials are determined to be temporary due to any actions, or lack of action taken by the Contractor, removal and replacement shall not be paid for under the contract items.

Additional testing, such as cores and mix samples may be taken by the Department for testing to aid in determining acceptance of the material as either a permanent installation or a temporary installation.

SPECIAL PROVISION
SECTION 631
EQUIPMENT RENTAL
(Infrared Heater (including operator))

Description. This work shall consist of furnishing and utilizing electrically or propane powered infrared equipment to uniformly heat and soften the asphaltic membrane layer or asphalt pavement surfaces as specified. The heaters shall be minimally configured to uniformly heat an 8-foot width by 4-foot long surface area to the temperature range required in this specification. The Contractor shall supply a commercially manufactured infrared heating unit designed to uniformly increase the temperature of the layer being treated to the temperature range outlined in this specification.

EQUIPMENT

Infrared Heating Equipment The Contractor shall furnish electrically or propane powered infrared equipment consisting of one or more low-level radiant heaters that uniformly heat and soften the membrane layer or asphalt pavement layer(s) as specified. The heaters shall be operated in a manner that will not generate excessive heat or smoke when the units pass over areas of new, previously paved, or existing membrane or pavement materials. Infrared equipment shall be electrically and thermostatically controlled to provide a uniform, consistent temperature increase throughout the layer (s) being heated to a minimum of 80 and maximum of 130 F degree range. The infrared equipment shall be constructed in a manner as to be configured and heat both longitudinal and transverse areas.

CONSTRUCTION REQUIREMENTS

Preparations of surfaces All areas to be treated shall be blown or swept clean by the means of compressed air and nozzle or sweepers to provide a surface free of any loose material, dirt, or other debris. All material removed from surfaces shall be picked up by means of a vacuum, power sweeper or appropriate hand tools as required. Areas shall additionally be cleaned by appropriate hand tools if contaminants remain. Care must be taken in the preparation of all areas to receive treatment. All areas must be cleaned to ensure no contaminants will be imbedded into the surface during the heating and rolling operations. Areas shall be thoroughly heated in preparation of rolling or placement of new pavement layers.

Finishing and Compaction. Membrane layers heated to the required temperature range shall be immediately rolled with a pneumatic roller ballasted to a minimum weight of 10 ton in order to properly seal and bond the membrane layer to the bridge deck. Areas that exhibit lack of bond shall be reheated and rolled until adequate bond can be obtained.

The heating and rolling operation may expose isolated areas where entrapped air exists which will prevent proper bond of the membrane to the deck. Unless the manufacturer or supplier recommends an alternative method to be used, the Department will permit the use of small ¼” long cuts into the membrane at the localized entrapped air location to help evacuate any air. Any cuts or perforations into the membrane will be sealed with an approved mastic after the reheating and rolling operation in that location is completed.

Method of Measurement. The Department will measure payment for the Infrared Heater by the hour, in accordance with Section 108 - Measurement and Payment.

Basis of Payment. The accepted quantity of Infrared Heater be paid for at the contract unit price per hour. This price will be full compensation for providing all materials and manpower required for heating the material to the required temperature, length and width, cleaning, and furnishing all labor for the heat-treated areas.

Payment will be made under: Infrared Heater – Propane or electric powered infrared heater(s). Truck or trailer mounted.

631.08 Basis of Payment The following pay item is added:

<u>Pay Item</u>	<u>Pay Unit</u>
631.165 Infrared Heater (including operator)	Hour

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Proposal Schedule of Items

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Proposal ID: 025631.01

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025631.04, 025631.05

SECTION: 1 INITIAL GROUP

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR) SB VDM BR	LUMP SUM		LUMP SUM		
0020	202.12 REMOVING EXISTING STRUCTURAL CONCRETE	549.000 CY				
0030	202.13 REMOVING EXISTING RAILINGS (RETAINED BY DEPARTMENT)	5,620.000 LF				
0040	202.202 REMOVING PAVEMENT SURFACE	48,670.000 SY				
0050	202.205 RUMBLE STRIPS - SHOULDER	2,600.000 LF				
0060	203.20 COMMON EXCAVATION	3,510.000 CY				
0070	203.24 COMMON BORROW	3,498.000 CY				
0080	203.25 GRANULAR BORROW	679.000 CY				
0090	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	770.000 CY				
0100	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	3,858.000 CY				
0110	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	3,410.000 T				

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0120	403.211 HOT MIX ASPHALT (SHIMMING)	100.000 T				
0130	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	2,070.000 T				
0140	409.15 BITUMINOUS TACK COAT - APPLIED	2,730.000 G				
0150	461.131 TEMPORARY PAVEMENT	1,096.000 T				
0160	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	327.000 CY				
0170	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES SB VDM BR	LUMP SUM		LUMP SUM		
0180	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM		LUMP SUM		
0190	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM		LUMP SUM		
0200	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: F	48.000 EA				
0210	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	21,250.000 LB				
0220	503.13 REINFORCING STEEL, PLACING	21,250.000 LB				

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	503.19 LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	254,900.000 LB	_____	 _____	_____	 _____
0240	503.20 LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	254,900.000 LB	_____	 _____	_____	 _____
0250	505.08 SHEAR CONNECTORS	LUMP SUM		LUMP SUM	_____	 _____
0260	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM		LUMP SUM	_____	 _____
0270	507.0822 STEEL APPROACH RAILING, 3-BAR	20.000 EA	_____	 _____	_____	 _____
0280	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM		LUMP SUM	_____	 _____
0290	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM		LUMP SUM	_____	 _____
0300	518.60 REPAIR OF VERTICAL SURFACES < 8 IN.	35.000 SF	_____	 _____	_____	 _____
0310	521.23 EXPANSION DEVICE FINGER JOINT	4.000 EA	_____	 _____	_____	 _____
0320	524.40 PROTECTIVE SHIELD SB VDM BR	LUMP SUM		LUMP SUM	_____	 _____
0330	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM		LUMP SUM	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0340	527.33 TRUCK MOUNTED ATTENUATOR	3.000 EA				
0350	527.34 WORK ZONE CRASH CUSHIONS	8.000 UN				
0360	603.179 18 INCH CULVERT PIPE OPTION III	1,360.000 LF				
0370	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	3,150.000 LF				
0380	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	5.000 EA				
0390	606.1721 BRIDGE TRANSITION - TYPE 1	20.000 EA				
0400	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	16.000 EA				
0410	606.363 GUARDRAIL REMOVE AND DISPOSE	3,350.000 LF				
0420	607.183 CHAIN LINK SNOW FENCE 33 INCH	LUMP SUM				
0430	610.08 PLAIN RIPRAP	278.000 CY				
0440	613.319 EROSION CONTROL BLANKET	520.000 SY				
0450	615.10 DIRTY BORROW	2,200.000 CY				

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0460	618.14 SEEDING METHOD NUMBER 2	100.000 UN	_____	 _____	_____	 _____
0470	619.14 EROSION CONTROL MIX	25.000 CY	_____	 _____	_____	 _____
0480	620.58 EROSION CONTROL GEOTEXTILE	480.000 SY	_____	 _____	_____	 _____
0490	620.6012 HDPE GEOMEMBRANE	54.000 SY	_____	 _____	_____	 _____
0500	627.18 12 " SOLID WHITE PAVEMENT MARKING	1,328.000 LF	_____	 _____	_____	 _____
0510	627.30 GROOVING FOR PAVEMENT MARKING	25,100.000 SF	_____	 _____	_____	 _____
0520	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	25,100.000 LF	_____	 _____	_____	 _____
0530	627.77 REMOVING PAVEMENT MARKINGS	3,870.000 SF	_____	 _____	_____	 _____
0540	627.781 TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	30,000.000 LF	_____	 _____	_____	 _____
0550	629.05 HAND LABOR, STRAIGHT TIME	125.000 HR	_____	 _____	_____	 _____
0560	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0570	631.11 AIR TOOL (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0580	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	125.000 HR	_____	 _____	_____	 _____
0590	631.165 INFRARED ASPHALT HEATER (INCLUDING OPERATOR) HOUR	58.000 HR	_____	 _____	_____	 _____
0600	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	125.000 HR	_____	 _____	_____	 _____
0610	631.22 FRONT END LOADER (INCLUDING OPERATOR)	125.000 HR	_____	 _____	_____	 _____
0620	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
0630	644.31 GLARE SCREEN TEMPORARY	900.000 LF	_____	 _____	_____	 _____
0640	652.30 FLASHING ARROW BOARD	4.000 EA	_____	 _____	_____	 _____
0650	652.312 TYPE III BARRICADE	18.000 EA	_____	 _____	_____	 _____
0660	652.33 DRUM	400.000 EA	_____	 _____	_____	 _____
0670	652.35 CONSTRUCTION SIGNS	1,020.000 SF	_____	 _____	_____	 _____
0680	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM		_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0690	652.38 FLAGGER	180.000 HR				
0700	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	4.000 EA				
0710	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		LUMP SUM		
0720	659.10 MOBILIZATION	LUMP SUM		LUMP SUM		
0730	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR) I95 NB RT 116	LUMP SUM		LUMP SUM		
0740	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR) I95 SB RT 116	LUMP SUM		LUMP SUM		
0750	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR) NB VDM BR	LUMP SUM		LUMP SUM		
0760	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR) RT 157 I-95 BR	LUMP SUM		LUMP SUM		
0770	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES I95 NB RT 116	LUMP SUM		LUMP SUM		

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0780	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES I95 SB RT 116	LUMP SUM	LUMP	SUM	_____	_____
0790	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES NB VDM BR	LUMP SUM	LUMP	SUM	_____	_____
0800	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES RT 157 I-95 BR	LUMP SUM	LUMP	SUM	_____	_____
0810	503.17 MECHANICAL WELDED SPLICE	1,400.000 EA	_____	_____	_____	_____
0820	504.70 STRUCTURAL STEEL FABRICATED AND DELIVERED	LUMP SUM	LUMP	SUM	_____	_____
0830	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	SUM	_____	_____
0840	506.1775 FIELD PAINTING NEW AND EXIST STL W/ ZINC RICH PAINT I95 NB RT 116 BR	LUMP SUM	LUMP	SUM	_____	_____
0850	506.1775 FIELD PAINTING NEW AND EXIST STL W/ ZINC RICH PAINT RT 157 BR	LUMP SUM	LUMP	SUM	_____	_____
0860	520.21 EXPANSION DEVICE - GLAND SEAL	2.000 EA	_____	_____	_____	_____
0870	520.22 EXPANSION DEVICE - COMPRESSION SEAL	2.000 EA	_____	_____	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0880	523.52 BEARING INSTALLATION	25.000 EA	_____	_____	_____	_____
0890	523.5304 STEEL BEARINGS, EXPANSION, ROCKER	1.000 EA	_____	_____	_____	_____
0900	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	12.000 EA	_____	_____	_____	_____
0910	523.5402 LAMINATED ELASTOMERIC BEARINGS, EXPANSION	12.000 EA	_____	_____	_____	_____
0920	524.301 TEMPORARY STRUCTURAL SUPPORT I95 NB RT 116 BEARING REPL	LUMP SUM	LUMP	SUM	_____	_____
0930	524.301 TEMPORARY STRUCTURAL SUPPORT I95 SB RT 116 BEARING REPL	LUMP SUM	LUMP	SUM	_____	_____
0940	524.301 TEMPORARY STRUCTURAL SUPPORT NB VDM BR BEARING REPL	LUMP SUM	LUMP	SUM	_____	_____
0950	524.301 TEMPORARY STRUCTURAL SUPPORT RT 157 I-95 BR APPR	LUMP SUM	LUMP	SUM	_____	_____
0960	524.40 PROTECTIVE SHIELD I95 NB RT 116 BR	LUMP SUM	LUMP	SUM	_____	_____
0970	524.40 PROTECTIVE SHIELD I95 SB RT 116 BR	LUMP SUM	LUMP	SUM	_____	_____

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			Dollars	Cents	Dollars	Cents
0980	524.40 PROTECTIVE SHIELD NB VDM BR	LUMP SUM	LUMP	SUM	_____	_____
0990	524.40 PROTECTIVE SHIELD RT 157 I-95 BR	LUMP SUM	LUMP	SUM	_____	_____
1000	526.301 PORTABLE CONCRETE BARRIER TYPE I RT 157 I-95 BR	LUMP SUM	LUMP	SUM	_____	_____
1010	526.305 PORTABLE CONCRETE BARRIER, BRACED TYPE 1	LUMP SUM	LUMP	SUM	_____	_____
1020	604.09 CATCH BASIN TYPE B1	2.000 EA	_____	_____	_____	_____
1030	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	4.000 EA	_____	_____	_____	_____
1040	609.40 RESET CURB TYPE 5	79.000 LF	_____	_____	_____	_____
1050	619.12 MULCH	6.000 UN	_____	_____	_____	_____
1060	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,100.000 LF	_____	_____	_____	_____
1070	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	280.000 LF	_____	_____	_____	_____
1080	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1090	652.34 CONE	30.000 EA	_____	 _____	_____	 _____
1100	652.45 AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	2.000 EA	_____	 _____	_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

ESTIMATED QUANTITIES									
ITEM NO.	ITEM DESCRIPTION		BR # 1410		BR # 6078		BR # 6141		UNIT
			WIN 25631.01	WIN 25631.02	WIN 25631.03	WIN 25631.04	WIN 25631.05	Total Quantity	
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: SB VDM BRIDGE	1,200 SY	1	0	0	0	0	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: NB VDM BRIDGE	1,200 SY	0	1	0	0	0	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: ROUTE 157 BRIDGE	1,090 SY	0	0	1	0	0	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: SB ROUTE 116 BRIDGE	480 SY	0	0	0	1	0	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: NB ROUTE 116 BRIDGE	490 SY	0	0	0	0	1	1	LS
518.60	REPAIR OF VERTICAL SURFACES < 8 INCHES		17	18	0	0	0	35	SF
520.21	EXPANSION DEVICE - GLAND SEAL		0	0	2	0	0	2	EA
520.22	EXPANSION DEVICE - COMPRESSION SEAL		0	0	0	1	1	2	EA
521.23	EXPANSION DEVICE - FINGER JOINT		2	2	0	0	0	4	EA
523.52	BEARING INSTALLATION		0	1	0	12	12	25	EA
523.5304	STEEL BEARINGS, EXPANSION, ROCKER		0	1	0	0	0	1	EA
523.5401	LAMINATED ELASTOMERIC BEARINGS, FIXED		0	0	0	6	6	12	EA
523.5402	LAMINATED ELASTOMERIC BEARINGS, EXPANSION		0	0	0	6	6	12	EA
524.301	TEMPORARY STRUCTURAL SUPPORT (BEARING REPLACEMENT) NB VDM BRIDGE		0	1	0	0	0	1	LS
524.301	TEMPORARY STRUCTURAL SUPPORT (BEARING REPLACEMENT) SB ROUTE 116 BRIDGE		0	0	0	1	0	1	LS
524.301	TEMPORARY STRUCTURAL SUPPORT (BEARING REPLACEMENT) NB ROUTE 116 BRIDGE		0	0	0	0	1	1	LS
524.301	TEMPORARY STRUCTURAL SUPPORT APPROACHES, ROUTE 157 BRIDGE		0	0	1	0	0	1	LS
524.40	PROTECTIVE SHIELD SB VDM BRIDGE	2,305 SF	1	0	0	0	0	1	LS
524.40	PROTECTIVE SHIELD NB VDM BRIDGE	2,305 SF	0	1	0	0	0	1	LS
524.40	PROTECTIVE SHIELD ROUTE 157 BRIDGE	5,115 SF	0	0	1	0	0	1	LS
524.40	PROTECTIVE SHIELD SB ROUTE 116 BRIDGE	3,445 SF	0	0	0	1	0	1	LS
524.40	PROTECTIVE SHIELD NB ROUTE 116 BRIDGE	3,445 SF	0	0	0	0	1	1	LS
526.301	PORTABLE CONCRETE BARRIER, TYPE I, NB & SB VDM BRIDGES, NB & SB RTE 116 BRIDGES	2,160 LF	0.25	0.25	0	0.25	0.25	1	LS
526.301	PORTABLE CONCRETE BARRIER, TYPE I, RTE 157 BRIDGE	430 LF	0	0	1	0	0	1	LS
526.305	PORTABLE CONCRETE BARRIER, BRACED TYPE I	410 LF	0	0	1	0	0	1	LS
527.33	TRUCK MOUNTED ATTENUATOR		0.5	0.5	1	0.5	0.5	3	EA
527.34	WORK ZONE CRASH CUSHION		1	1	4	1	1	8	UN
603.179	18 INCH CULVERT PIPE OPTION III		340	340	0	340	340	1360	LF
604.09	CATCH BASIN TYPE B1		0	0	0	1	1	2	EA
606.1301	31" W-BEAM GR - MID WAY SPLICE -SINGLE FACED		1050	690	310	550	550	3150	LF
606.1305	31" W-BEAM GR - MID-WAY SPLICE FLARED TERMINAL		1	1	0	1	2	5	EA
606.1721	BRIDGE TRANSITION -TYPE 1		4	4	4	4	4	20	EA
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL		0	2	0	2	0	4	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER		4	4	0	4	4	16	EA
606.363	GR REMOVE AND DISPOSE		1100	680	330	560	680	3350	LF
607.183	CHAIN LINK SNOW FENCE 33 INCH: SB VDM BRIDGE	112 LF	1	0	0	0	0	1	LS
607.183	CHAIN LINK SNOW FENCE 33 INCH: NB VDM BRIDGE	128 LF	0	1	0	0	0	1	LS
607.183	CHAIN LINK SNOW FENCE 33 INCH: ROUTE 157 BRIDGE	256 LF	0	0	1	0	0	1	LS
607.183	CHAIN LINK SNOW FENCE 33 INCH: SB ROUTE 116 BRIDGE	96 LF	0	0	0	1	0	1	LS
607.183	CHAIN LINK SNOW FENCE 33 INCH: NB ROUTE 116 BRIDGE	96 LF	0	0	0	0	1	1	LS
609.40	RESET CURB TYPE 5		0	0	79	0	0	79	LF
610.08	PLAIN RIPRAP		110	120	0	24	24	278	CY
613.319	EROSION CONTROL BLANKET		130	130	0	130	130	520	SY
615.10	DIRTY BORROW		550	550	0	550	550	2200	CY
618.14	SEEDING METHOD NUMBER 2		25	25	0	25	25	100	UN
619.12	MULCH		0	0	6	0	0	6	UN
619.14	EROSION CONTROL MIX		5	5	5	5	5	25	CY
620.58	EROSION CONTROL GEOTEXTILE		120	120	0	120	120	480	SY
620.6012	HDPE GEOMEMBRANE		27	27	0	0	0	54	SY
627.18	12" SOLID WHITE PAVEMENT MARKING		320	320	48	320	320	1328	LF
627.30	GROOVING FOR PAVEMENT MARKING		6300	6250	0	6300	6250	25100	SF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE		0	0	2100	0	0	2100	LF
627.744	6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE		6300	6250	0	0	6250	18800	LF
627.77	REMOVE PAVEMENT MARKINGS		940	940	110	940	940	3870	SF
627.78	TEMPORARY 4" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW		0	0	280	0	0	280	LF
627.781	TEMPORARY 6" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW		7500	7500	0	7500	7500	30000	LF
629.05	HAND LABOR, STRAIGHT TIME		25	25	25	25	25	125	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)		5	5	5	5	5	25	HR
631.11	AIR TOOL (INCLUDING OPERATOR)		5	5	5	5	5	25	HR
631.12	ALL-PURPOSE EXCAVATOR (INCLUDING OPERATOR)		25	25	25	25	25	125	HR
631.165	INFRARED HEATER (INCLUDING OPERATOR)		22	22	8	3	3	58	HR
631.172	TRUCK-LARGE (INCLUDING OPERATOR)		25	25	25	25	25	125	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)		25	25	25	25	25	125	HR
639.18	FIELD OFFICE TYPE A		0.2	0.2	0.2	0.2	0.2	1	EA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. 2563101, 2563102,
2563103, 2563104, 2563105
WIN 25631.01, 25631.02, 25631.03,
25631.04, 25631.05
BRIDGE NO. 1410, 1411, 8077, 6078, 6141
BRIDGE PLANS

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGNS-DETAILED
DESIGNS-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
FIELD CHANGES

BY
S. LINDSEY
E. MORRISON
T. MCALLISTER
N. EDMAN
J. FITZ
BID AMENDMENT 1 AND 8

DATE
10-23
10-23
10-23
12-23

SIGNATURE
P.E. NUMBER
DATE

1-95 SB & NB VAUGHAN D'ARCEY MEMORIAL BRIDGES,
1-95 SB & NB OVER ROUTE 116,
& ROUTE 157 INTERCHANGE BRIDGE
BRIDGE NOS. 1410, 6078, 1411, 6077, 6141
MEDWAY
PENOBSCOT COUNTY

ESTIMATED QUANTITIES

SHEET NUMBER
3
OF 168