



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

PAUL R. LEPAGE
GOVERNOR

February 4, 2011
Subject: **Plymouth, Newport & Palmyra**
Federal Project No: IM-1678(410)E
State Pin No: 016784.10
Amendment No. 2

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 4 thru 8), **REMOVE** the "SCHEDULE OF ITEMS" 5 pages dated 110120 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 5 pages dated 110201.

In the Bid Book (page 24), "TYPICAL SECTIONS", SHEET NUMBER 1 OF 4, **DELETE**, in its entirety note #4. Make this change in pen and ink.

In the Bid Book after page 78, **ADD** the attached "SPECIAL PROVISION, SECTION 400, HOT MIX ASPHALT PAVEMENTS, (Polymer Modified PGAB for HMA)", 1 page dated February 3, 2011.

In the Bid Book (pages 80 and 81), **REMOVE** "SPECIAL PROVISION, SECTION 403, HOT MIX ASPHALT OVERLAY", 2 pages dated January 19, 2011 and **REPLACE** it with the attached new "SPECIAL PROVISION, SECTION 403, HOT MIX ASPHALT OVERLAY", 2 pages dated February 3, 2011

In the Bid Book (page 83), "SPECIAL PROVISION, SECTION 424, LOW MODULUS SEALER", page 2 of 2, at the bottom of the page **CHANGE** the "Pay Item" from "424.3332" to read "**424.3333**". Make this change in pen and ink.

The following questions have been received:

Question: Spec. Prov. Sect 403 – 2" HMA Mill & Resurface Mainline Spot Repair Areas – Construction Notes indicate 403.208 to be used. The 403 box specifies 403.208 but refers to comp note #1 which is 403.2081 – which is correct?

Response: 403.208, please see the attached Special Provision and Schedule of Items.



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Question: You specify approx. stations in the const. notes under 202.202 – areas to be milled due to delamination. Are these the same areas you refer to in the typical sections – note 6 – that must be repaired prior to the shim course or are there other areas this refers to?

Response: Yes, the areas listed in the construction notes are the same areas that note 6 in the typical section refers to. It was intended to list all the areas in need of this repair, it is possible other areas may be identified once work commences.

Question: What is the intention of note #4 on detail sheet #1? Is there an intended scope of work?

Response: Note #4 has been eliminated, please see the above pen and ink change. The intention of note #4, on Typical Detail 1, is for backing up new pavement. This note will be nullified through the use of rental item 631.29 – roto-tiller and rental item 631.14 – grader.

Question: It appears that at least two of the pipe locations work will involve removal and replacement of shoulder pavement. Will an item be added for this pavement?

Response: Paving of shoulder repair areas, resulting from pipe work shall be repaired using item 403.208.

Question: Typically the Contractor will pave the main line and shoulder at the same time. This project calls for 403.2081 Polymer Modified HMA on the main line. Is the Department's intent to pave the shoulders with 403.208 thus introducing additional joints in the pavement?

Response: Please see the attached new Schedule of Items and Special Provision, Section 403.

Question: We believe item 424.3332 should be 424.3333, please verify.

Response: Please see the attached new Schedule of Items.

Question: The Davis Bacon Wage Decision, ME100010 01/21/2011, for Penobscot County, seems to have excessive rates for work in this area. Please confirm the wage decision is correct.

Response: This is being investigated by our Civil Rights Office.

Consider these changes and information prior to submitting your bid on February 16, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Bickford". The signature is written in a cursive style with a large initial "S" and "B".

Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016784.10

PROJECT(S): IM-1678(410)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	202.202 REMOVING PAVEMENT SURFACE	16100.000 SY				
0020	202.205 RUMBLE STRIPS - SHOULDER	33500.000 LF				
0030	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	10400.000 T				
0040	403.211 HOT MIX ASPHALT (SHIMMING)	3200.000 T				
0050	409.15 BITUMINOUS TACK COAT - APPLIED	6300.000 G				
0060	424.3333 LOW MODULUS JOINT SEALER, APPLIED	29000.000 LF				
0070	504.07 CONCRETE PIPE TIES	19.000 GP				
0080	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	40.000 LF				
0090	603.195 24 INCH REINFORCED CONCRETE PIPE CLASS III	192.000 LF				
0100	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	104.000 LF				

SCHEDULE OF ITEMS

REVISED:

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	606.1721 BRIDGE TRANSITION - TYPE 1	8.000 EA				
0120	606.178 GUARDRAIL BEAM	500.000 LF				
0130	606.352 REFLECTORIZED BEAM GUARDRAIL DELINEATORS	10.000 EA				
0140	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	40.000 EA				
0150	606.356 UNDERDRAIN DELINEATOR POST	40.000 EA				
0160	606.367 REPLACE UNUSABLE EXISTING GUARDRAIL POSTS	25.000 EA				
0170	610.08 PLAIN RIPRAP	50.000 CY				
0180	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	428.000 UN				
0190	619.1201 MULCH - PLAN QUANTITY	428.000 UN				
0200	620.58 EROSION CONTROL GEOTEXTILE	100.000 SY				
0210	627.18 12 " SOLID WHITE PAVEMENT MARKING	2900.000 LF				

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	72100.000 LF				
0230	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	630.000 SF				
0240	627.781 TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	130000.000 LF				
0250	629.05 HAND LABOR, STRAIGHT TIME	200.000 HR				
0260	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	40.000 HR				
0270	631.14 GRADER (INCLUDING OPERATOR)	120.000 HR				
0280	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR				
0290	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	100.000 HR				
0300	631.28 BRUSH CHIPPER (INCLUDING OPERATOR)	50.000 HR				
0310	631.29 ROTOTILLER (INCLUDING OPERATOR)	100.000 HR				
0320	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	50.000 HR				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	639.18 FIELD OFFICE TYPE A	1.000 EA				
0340	645.306 FLEXIBLE REFLECTORIZED DELINEATOR	120.000 EA				
0350	652.30 FLASHING ARROW BOARD	2.000 EA				
0360	652.33 DRUM	450.000 EA				
0370	652.34 CONE	200.000 EA				
0380	652.35 CONSTRUCTION SIGNS	1100.000 SF				
0390	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	35.000 CD				
0400	652.38 FLAGGER	300.000 HR				
0410	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA				
0420	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0430	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016784.10

PROJECT(S): IM-1678(410)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
	TOTAL BID					

SPECIAL PROVISION
SECTION 400
HOT MIX ASPHALT PAVEMENTS
(Polymer Modified PGAB for HMA)

401.05 Performance Graded Asphalt Binder This section and Special Provision 403 has been amended as follows:

The Contractor shall compose the Hot Mix Asphalt Pavement with aggregate, Performance Graded Asphalt Binder (PGAB), and mineral filler if required. The required PGAB for mixtures incorporated into the Project will meet a **PG 64-28** grading.

The Department reserves the option to change the required PGAB to a **PG 70-28** grading for the traveled way portions of the project; not to include ramps, acceleration, deceleration, or merge lanes unless otherwise noted in the contract documents.

Should the Department determine the use of a **PG 70-28** Hot Mix Asphalt mixture is required post bid, the Department will compensate the Contractor for the price differential by adding a 10.0 % markup to the **PG 64-28** Hot Mix Asphalt contract unit price.

Once established, all production methods, equipment, and JMF's will become part of the QCP.

Should the Department require the use of a **PG 70-28** mixture, the price adjustment per ton shall be made through the contract modification process.

Adjusted payments will be made under the appropriate mixture type used:

<u>Pay Item</u>	<u>Pay Unit</u>
403.2071 19.0 mm Polymer Mod. Hot Mix Asphalt Base	Ton
403.2081 12.5 mm Polymer Mod. Hot Mix Asphalt Surface	Ton
403.2101 9.5 mm Polymer Mod. Hot Mix Asphalt	Ton
403.2111 9.5 mm Polymer Mod. Hot Mix Asphalt Shim	Ton
403.2121 4.75 mm Polymer Mod. Hot Mix Asphalt Shim	Ton
403.2131 12.5 mm Polymer Mod. Hot Mix Asphalt Base	Ton

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT OVERLAY

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<u>1 1/2" HMA Overlay</u>						
<u>Travel and Passing Lanes</u>						
Wearing	12.5mm	403.208	N/A	1 1/2"	1	1,5,7,20,22
Shim	9.5mm	403.211	N/A	variable	1	2,5,7,11,23
<u>1 1/2" HMA Overlay</u>						
<u>Onramps, Offramps, and Shoulders</u>						
Wearing	12.5mm	403.208	N/A	1 1/2"	1	5,7
Shim	9.5mm	403.211	N/A	variable	1	2,5,7,11,23
<u>2" HMA Mill and Resurface</u>						
<u>Mainline Spot Repair Areas</u>						
Base	12.5mm	403.208	N/A	2"	1	5,7,23
<u>1 1/2" HMA Overlay - Crossovers</u>						
Wearing	12.5mm	403.208	N/A	1 1/2"	1	4,7,13
Shim	9.5mm	403.211	N/A	variable	1	2,4,7,11,23

COMPLEMENTARY NOTES

- The required PGAB for this mixture will meet a **PG 64-28** grading. Refer to Special Provision 400 - Polymer Modified PGAB for HMA, for PGAB options available to the Department post bid.
- The density requirements are waived. The use of an oscillating steel roller shall be required to compact all HMA pavements placed on bridge decks in addition to the normal roller train.
- The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **50 gyrations**.
- The design traffic level for mix placed shall be 3 to 10 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **75 gyrations**.
- Section 106.6 Acceptance, (1) Method A.
- The combined aggregate gradation required for this item shall be classified as a 9.5mm "fine graded" mixture (using the Primary Control Sieve control point) as defined in 703.09.
- A mixture meeting the gradation of 9.5 mm hot mix asphalt may be used at the option of the contractor.
- The Contractor may place the specified HMA pavement course, not to exceed a 2 inch (50mm) compacted depth, over the full single travel lane width, for each production day. If this option is utilized the Contractor will be required to place a matching course of HMA over the adjacent section of travel lane before the end of the following calendar day. The Contractor will also be responsible for installing additional warning signage that clearly defines the centerline elevation differential hazard and temporary painted line. The Traffic Control Plan shall be amended to include this option and the additional requirements. All signs and traffic control devices will conform to Section 719.01, and Section 652, and will be installed prior to the work, at a maximum spacing of 0.50 mile [0.80 km] for the entire length of the effected roadway section. On roadways with two-way traffic, the Contractor will be

required to place the specified course over the full width of the mainline traveled way being paved prior to opening the sections to weekend or holiday traffic. If this option is utilized, all additional signing, labor, traffic control devices, or incidentals will not be paid for directly, but will be considered incidental to the appropriate 652 items.

22. The final pavement surface shall be evaluated for smoothness in accordance with the most current 400 Special Provision section 402 – Pavement Smoothness. Acceptance limits shall be as outlined under the **Level 1** classification.
23. Shim item may be used in various locations in localized pavement repair areas, ramps, and crossover areas as directed by the Resident.

Tack Coat

A tack coat of emulsified asphalt, RS-1, Item #409.15 shall be applied to any existing pavement at a rate of approximately 0.025 G/SY, and on milled pavement approximately 0.05 G/SY, prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.025 G/SY. Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.