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GOVERNOR

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

David Bernhardt
COMMISSIONER

February 29, 2012
Subject: **West Gardiner - Pittsfield**
Federal Project No's: AC-IB-1913(600)E &
AC-STP-1913(700)X
State PIN: 019136.00 & 019137.00
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 4 thru 10) **REMOVE** the "SCHEDULE OF ITEMS" 7 pages dated 120202 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 7 pages, dated 120224.

In the Bid Book, **REMOVE** "Special Provision Section 105 General Scope of Work (Buy America Certification)" dated December 1, 2010, one page, and **REPLACE** with the attached "Special Provision Section 105 General Scope of Work (Buy America Certification)" one page, dated December 5, 2011.

In the Bid Book **ADD** the attached "Special Provision Section 400 Hot Mix Asphalt Pavements (Polymer Modified PGAB for HMA)" one page, dated March 21, 2011.

In the Bid Book **ADD** the attached "Supplemental Special Provision Section 424 Low Modulus Crack Sealer (Bridge Joint Modifications)", one page, dated February 24, 2012.

In the Bid Book **ADD** the attached "Special Provision Section 520 Expansion Devices (Bridge Joint Modifications)", two pages, dated February 24, 2012.

In the Bid Book **ADD** the attached Standard Detail Sheet, entitled "Bridge Joint Modifications", one page, dated 2/24/12.

The following questions have been received:

Question: Will clearing in Phase 1 have to be completed at night?

Response: Yes, please see Special Provision Section 105 - General Scope of Work (Limitations of Operations), Note # 3.



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Question: Because of the low impact, can the tree clearing work be done during the daytime?

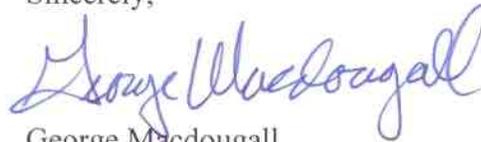
Response: No, please see Special Provision Section 105 - General Scope of Work (Limitations of Operations), Note # 3.

Question: West Gardiner, Oakland, Fairfield, Benton, Clinton, Burnham, Pittsfield, and Waterville: For all towns listed – Because of the low impact, can the tree clearing work be done during the daytime?

Response: No, please see Special Provision Section 105 - General Scope of Work (Limitations of Operations), Note # 3.

Consider these changes and information prior to submitting your bid on March 7, 2012.

Sincerely,



George Macdougall
Acting Contracts & Specifications Engineer

SCHEDULE OF ITEMS

CONTRACT ID: 019136.00

PROJECT(S): AC-IB-1913(600)E
AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 HIGHWAY ITEMS						
0010	201.11 CLEARING	2.000 AC				
0020	201.23 REMOVING SINGLE TREE TOP ONLY	14.000 EA				
0030	202.202 REMOVING PAVEMENT SURFACE	335000.000 SY				
0040	202.205 RUMBLE STRIPS - SHOULDER	168000.000 LF				
0050	203.216 EXPLORATORY DRILLING	5.000 HR				
0060	203.24 COMMON BORROW	50.000 CY				
0070	205.512 WIDENING OF EXISTING SHOULDER	550.000 SY				
0080	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	15000.000 T				
0090	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	17000.000 T				
0100	403.211 HOT MIX ASPHALT (SHIMMING)	4350.000 T				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 019136.00

PROJECT(S): AC-IB-1913(600)E

AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	409.15 BITUMINOUS TACK COAT - APPLIED	28000.000 G				
0120	410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED	29000.000 SY				
0130	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	20.000 CY				
0140	424.3331 ASPHALT LOW MODULUS CRACK SEALER, APPLIED	13000.000 LB				
0150	424.3333 LOW MODULUS JOINT SEALER, APPLIED	88950.000 LF				
0160	504.07 CONCRETE PIPE TIES	120.000 GP				
0170	520.246 BRIDGE JOINT MODIFICATION TYPE 6	8.000 EA				
0180	527.301 ENERGY ABSORBING SYSTEM (C-A-T)	1.000 EA				
0190	603.195 24 INCH REINFORCED CONCRETE PIPE CLASS III	896.000 LF				
0200	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	184.000 LF				

SCHEDULE OF ITEMS

CONTRACT ID: 019136.00

PROJECT(S): AC-IB-1913(600)E
AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	603.215 36 INCH REINFORCED CONCRETE PIPE CLASS III	144.000 LF				
0220	603.225 42 INCH REINFORCED CONCRETE PIPE CLASS III	144.000 LF				
0230	603.7424 REMOVE & RELAY 24 INCH CONCRETE PIPE	56.000 LF				
0240	603.743 REMOVE & RELAY 30 INCH CONCRETE PIPE	16.000 LF				
0250	606.178 GUARDRAIL BEAM	1150.000 LF				
0260	606.2401 GUARDRAIL TYPE 3D - DOUBLE RAIL	2225.000 LF				
0270	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	8.000 EA				
0280	606.352 REFLECTORIZED BEAM GUARDRAIL DELINEATORS	384.000 EA				
0290	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	85.000 EA				
0300	606.356 UNDERDRAIN DELINEATOR POST	72.000 EA				
0310	606.3581 GUARDRAIL, MODIFY EXISTING TO TYPE 3D	12000.000 LF				

SCHEDULE OF ITEMS

REVISED:

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AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	606.362 GUARDRAIL ADJUSTED	1000.000 LF				
0330	606.363 GUARDRAIL REMOVE AND DISPOSE	200.000 LF				
0340	606.367 REPLACE UNUSABLE EXISTING GUARDRAIL POSTS	25.000 EA				
0350	606.901 CABLE BARRIER, HIGH TENSION, TL-3	2320.000 LF				
0360	606.91 CABLE BARRIER TERMINAL, HIGH TENSION, TL-3	2.000 EA				
0370	609.40 RESET CURB TYPE 5	250.000 LF				
0380	610.08 PLAIN RIPRAP	50.000 CY				
0390	612.06 BITUMINOUS SEALING - BLACK	120.000 SY				
0400	613.319 EROSION CONTROL BLANKET	1500.000 SY				
0410	615.07 LOAM	15.000 CY				

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AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0420	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	226.000 UN				
0430	619.1201 MULCH - PLAN QUANTITY	226.000 UN				
0440	619.1401 EROSION CONTROL MIX	125.000 CY				
0450	620.58 EROSION CONTROL GEOTEXTILE	100.000 SY				
0460	627.18 12 " SOLID WHITE PAVEMENT MARKING	5700.000 LF				
0470	627.30 GROOVING FOR PAVEMENT MARKING	97000.000 SF				
0480	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	290000.000 LF				
0490	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	1450.000 SF				
0500	627.781 TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	985000.000 LF				
0510	629.05 HAND LABOR, STRAIGHT TIME	50.000 HR				

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AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0520	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	105.000 HR				
0530	631.122 MINI ALL-PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25.000 HR				
0540	631.133 SKID STEER (INCLUDING OPERATOR)	50.000 HR				
0550	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	200.000 HR				
0560	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR				
0570	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	15.000 HR				
0580	639.18 FIELD OFFICE TYPE A	1.000 EA				
0590	645.306 FLEXIBLE REFLECTORIZED DELINEATOR	135.000 EA				
0600	652.30 FLASHING ARROW BOARD	7.000 EA				
0610	652.33 DRUM	270.000 EA				
0620	652.34 CONE	950.000 EA				

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AC-STP-1913(700)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0630	652.35 CONSTRUCTION SIGNS	3800.000 SF				
0640	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	144.000 CD				
0650	652.38 FLAGGER	40.000 HR				
0660	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	8.000 EA				
0670	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0680	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					
	TOTAL BID					

SPECIAL PROVISION
SECTION 105
GENERAL SCOPE OF WORK
(Buy America Certification)

105.11 Federal Requirements Add the following as the third and subsequent paragraphs:

“Prior to payment by the Department, the Contractor shall provide a certification from the producer of steel or iron, or any product containing steel or iron as a component, stating that all steel or iron furnished or incorporated into the furnished product was manufactured in the United States in accordance with the requirements of the Buy America provisions of 23 CFR 635.410, as amended. Such certification shall also include (1) a statement that the iron or steel product or component was produced entirely within the United States, or (2) a statement that the iron or steel product or component was produced within the United States except for minimal quantities of foreign steel and iron valued at \$ (actual value).

All manufacturing processes must take place domestically. Manufacturing begins with the initial melting and mixing, and continues through the coating stage. Any process which modifies the chemical content, the physical size and shape, or the final finish is considered a manufacturing process. These processes include rolling, extruding, machining, bending, grinding, drilling, and coating. “Coating” includes epoxy coating, galvanizing, painting, or any other coating that protects or enhances the value of the material.

A Buy America Certification is required from each manufacturer, fabricator, supplier, subcontractor, etc. that meets the “manufacturing” definition above.

Buy America does not apply to raw materials (iron ore and alloys), scrap, pig iron, or processed, pelletized, and reduced iron ore.”

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. Performance Graded Asphalt Binder shall be polymer modified as detailed below and shall conform to the requirements of AASHTO M 320. The required PGAB shall be a storage-stable, pre-blended, homogeneous, polymer modified asphalt binder that meets a **PG 70-28** to **PG 76-28** grading.

The RTFOT (AASHTO T 240) residue of the polymer modified PGAB shall be tested by the Contractor according to ASTM D 6084 and have a minimum elastic recovery value of 60% at a test temperature of 25 °C. The Contractor shall provide the Department with documentation and test results from the asphalt binder provider showing that the PGAB meets the requirements of this special provision. The Department may take an informational sample of the polymer modified PGAB at any time to evaluate its elastic recovery value.

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

SUPPLEMENTAL SPECIAL PROVISION
SECTION 424
LOW MODULUS CRACK SEALER
(Bridge Joint Modifications)

Description Replace the entire paragraph with "...This Supplemental Special Provision modifies the use and application of item 424 – Low Modulus Crack Sealer for bridge joint modifications. All sections of Special Provision Section 424 – Low Modulus Crack Sealer shall apply unless otherwise modified under this specification. This work shall consist of the furnishing and placement of low modulus crack seal material in the locations depicted in the plans or as otherwise directed by the Department. Placement shall consist of: 1) crack preparation, cleaning and drying, 2) material preparation and application, 3) material finishing and shaping and 4) barrier material and application..."

Materials In the first sentence replace "...ASTM D-3405..." with "...ASTM D5329..."

Preparation of Joints Replace the entire first sentence with "...Joints between the joint block header or nosing and new pavement, as depicted on the plans, shall be blown free of loose material, dirt, and other debris by high pressure air. Further, joints are to be formed to the depth of pavement removal and approximately ½ inch in width along the concrete bridge joint header or nosing by use of joint backer material or Department approved equal..."

SPECIAL PROVISION
SECTION 520
EXPANSION DEVICES
(Bridge Joint Modifications)

Description This work shall consist of removal and replacement of bridge joint header or nosing material, as indicated on the plans, and in accordance with the specifications.

Materials Structural concrete removed per plan shall be replaced with Elastomeric Concrete. The Elastomeric Concrete material is listed on the Maine Department of Transportation Qualified Products List for expansion joint headers or nosings. An elastomeric concrete manufacturer's representative is required to be on site for initial installation of their product in order to provide instruction on proper substrate preparation, mixing of materials and application.

Construction Requirements The removal and replacement of bridge joint headers or nosings shall be done in a manner to accommodate maintenance of traffic requirements and coordinated with the highway paving.

The existing neoprene or rubber seals in the expansion joints shall be appropriately protected to prevent damage during the construction operation.

The Contractor shall field verify the topside joint dimensions and reconstruct the joint header as shown on the plans and as approved by the Resident. Generally, pavement removal, and repaving of the bridge decks shall be required prior to the removal and replacement of the bridge joint nosing unless otherwise approved by the Department.

A neat vertical pavement line shall be cut for the substrate block out per plan to a depth of approximately 2 inches. After existing concrete removal the substrate surface shall be sand blasted and then blown clean with dry oil-free compressed air. The substrate shall be thoroughly dry the prior to placing joint header material as advised by the elastomeric concrete manufacturer's representative.

The compressed air blowing operation shall be conducted with a compressor equipped with a moisture trap.

Care shall be taken where reinforcing steel is uncovered not to damage the steel or its bond to the surrounding concrete. All existing reinforcing steel exposed by the joint and concrete removal shall be cleaned by sandblasting, or by other means approved by the Resident.

Temporary Approaches In work zones where the roadway and ramps are opened up to traffic during non-work hours the Contractor shall submit a plan on how the roadway surfaces will be suitable for vehicular traffic. Depending on the work completed during the work hours the Contractor shall shim or ramp the joint or deck areas being repaired prior to opening the roadway(s) to vehicular traffic.

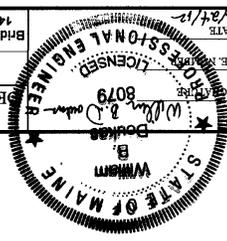
The Contractor shall design, construct, and maintain in good condition, and remove all approaches (shims, ramps, etc.) required for satisfactory maintenance of vehicular traffic. This temporary ramping shall be constructed such that there is a minimum of 65 feet of length for each inch of vertical distance.

Method of Measurement Bridge joint modification Type 6 will be measured by each unit complete in place.

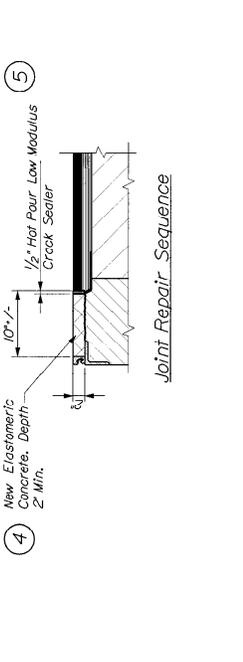
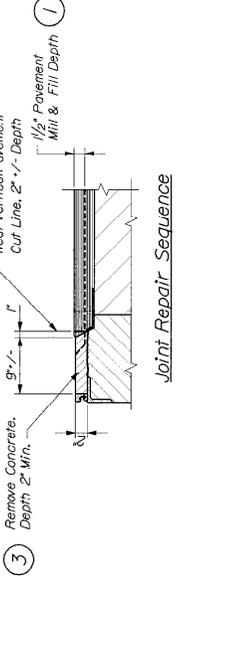
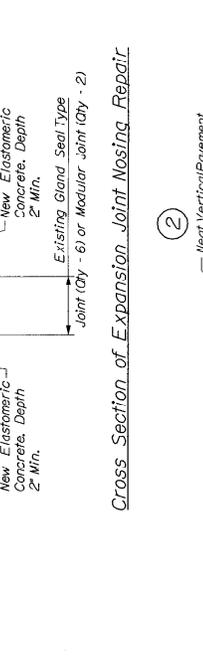
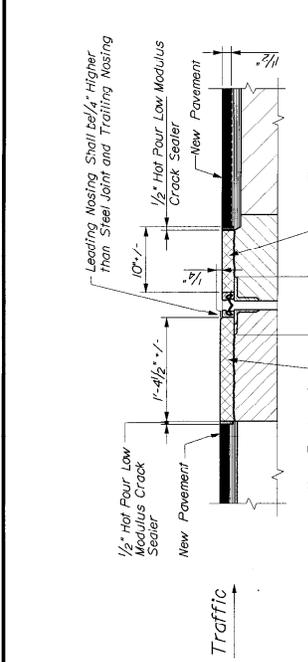
Basis of Payment The accepted quantity of bridge joint modifications Type 6 will be paid for at the contract unit price each. Payment will be full compensation for all materials, labor, equipment, and incidentals necessary to complete the work, including removing and replacing structural concrete & steel, protecting and cleaning existing joints and reinforcing steel as well as on-site arrangements for an elastomeric concrete manufacturer's representative. Low modulus crack sealer shall be paid for under item 424.3331.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
520.246 Bridge Joint Modifications - Type 6	Each



DATE	2/24/12
DESIGNER	W. B. DOUCETTE
CHECKER	KEVIN MCGLOTHLIN
DATE	2/22/07
DESIGNER	W. B. DOUCETTE
CHECKER	KEVIN MCGLOTHLIN



ITEM NO	ESTIMATED QUANTITIES	DESCRIPTION	QUANTITY	UNIT
520.246	B	Bridge Joint Modifications	B	EA
424.333	300	Low Modulus Crack Sealer	300	LB

Note
The Contractor shall field verify the topside joint dimensions and reconstruct the joint header as shown on the plans and as approved by the Resident. There are two headers (or nosings) at each expansion joint.

