



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

September 28, 2009
Subject: **Brooks**
State Pin No's: 012717.00 & 014309.00
Amendment No.2

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 3 thru 8), **REMOVE** the "SCHEDULE OF ITEMS" 6 pages dated 090828 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 6 pages dated 090924.

In the Bid Book, after page 69, **ADD** the attached "SPECIAL PROVISION, SECTION 526, CONCRETE BARRIER, (Temporary Concrete Barrier)", 1 page dated May 13, 2008.

In the Bid Book, after page 75, **ADD** the attached "SPECIAL PROVISION, SECTION 643, TRAFFIC SIGNALS", 1 page dated May 31, 2005.

In the Bid Book, after page 83, **ADD** the attached "Power Auger Probe Summary Sheet", 1 page undated.

The following questions have been received:

Question: Is a detour of traffic going to be allowed while the box and footings are being placed?

Response: Yes at the contractors expense. The contractor will be responsible for coordinating with the town. Please see the above changes.

Question: Drawing 6 of 24 details the replacement of the box culvert. The inside width is 6' 0", but no height is provided. From the profile, it appears the height is 4' 0". Please confirm or furnish correct height. Item No. 534.71.

Response: 4' 0" is correct.

Question: Can MDOT provide more detailed plans for the strut replacement?

Response: No



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Question: Will all utility work be completed before June 1, 2010?

Response: Yes, please refer to the Standard Specifications regarding Utility Work.

Question: It does not appear that 2 way traffic can be maintained while replacing the strut. Will the Department allow the use of temporary signals at that location? If so, how will they be paid?

Response: Please see the above changes.

Question: Could the center line be laid out and marked?

Response: The centerline was marked out for utilities.

Question: Box Culvert – Station 26+18+/-, is there right of way enough to install temporary pipe and also room enough for sediment basins to pump water from the hole when the new box culvert is being installed and the old one removed?

Response: This would depend on the installation method decided upon by the Contractor. The project has an existing 4 rod right of way. The Right Of Way is on the plans and it would up to the contractor to determine if there is enough room for their operation.

Question: Box Culvert – Station 26+18+/-, what are the plans for traffic? Could traffic detour around a side street? Could traffic signals be installed to maintain one way traffic?

Response: Yes, please see the above changes.

Question: What is the depth down to ledge where the box culvert at Station 26+18+/- is going?

Response: Please see the attached “Power Auger Probe Summary Sheet”.

Question: Could a box culvert with a bottom be used in place of the proposed new box? This box could be 6” or 12” deeper than the existing one and be filled with stream rocks to a depth of 4” or 6”.

Response: No

Question: Dewatering of the Box Culvert at Station 26+18+/- must be treated as “contaminated” water. So all water will be pumped into temporary holding tanks. This is

stated on the bottom of page 44 of the proposal book. Is it the intent to store all ground water while digging for footings for the box culvert?

Response: The intention of the storing of contaminated water was to address any excessive ground water that was encountered during excavation of trenches for installation of under drain piping or box cuts in the four areas identified as having contamination. The in stream work involving the box culverts would probably be more surface water and therefore would not have be addressed as contaminated ground water and pumped into a tank.

Question: Item 507.0841 – Handrail, could the department provide more information on this item?

Response: Per the Standard Specification, pipe for Steel Pipe Hand Railing shall conform to the requirements of ASTM A53, Grade A or B. The fence should contain 3 rails with the top rail 42” in height. The post spacing shall not exceed 8’. The fence should be constructed of tubular or round stock black steel. The fence must be pedestrian safe according to the manufacturer.

Consider these changes and information to submitting your bid on October 7, 2009.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Bickford" with a stylized flourish at the end.

Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

CONTRACT ID: 012717.00

PROJECT(S): 012717.00
014309.00

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.23 REMOVING SINGLE TREE TOP ONLY	4.000 EA				
0020	201.24 REMOVING STUMP	4.000 EA				
0030	202.20 REMOVING BITUMINOUS CONCRETE PAVEMENT	4430.000 SY				
0040	203.20 COMMON EXCAVATION	210.000 CY				
0050	203.21 ROCK EXCAVATION	20.000 CY				
0060	203.2312 HEALTH AND SAFETY PLAN	LUMP	LUMP			
0070	203.2333 DISPOSAL OF SPECIAL EXCAVATION	800.000 T				
0080	204.41 REHABILITATION OF EXISTING SHOULDERS, PLAN QUANTITY	1529.000 SY				
0090	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	20.000 CY				

SCHEDULE OF ITEMS

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	30.000 CY				
0110	211.21 INSLOPE REHABILITATION	1150.000 LF				
0120	211.30 DITCH EXCAVATION	700.000 LF				
0130	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	2300.000 CY				
0140	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	510.000 T				
0150	403.209 HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)	200.000 T				
0160	403.213 HOT MIX ASPHALT 12.5 MM BASE	860.000 T				
0170	409.15 BITUMINOUS TACK COAT - APPLIED	160.000 G				
0180	507.0841 STEEL PIPE HAND RAILING	LUMP	LUMP			
0190	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP	LUMP			
0200	534.71 PRECAST CONCRETE BOX CULVERT	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	603.04 4" PVC DRAIN SERVICE	10.000 LF				
0220	603.16 15 INCH CULVERT PIPE OPTION I	237.000 LF				
0230	603.17 18 INCH CULVERT PIPE OPTION I	15.000 LF				
0240	603.179 18 INCH CULVERT PIPE OPTION III	40.000 LF				
0250	603.199 24 INCH CULVERT PIPE OPTION III	270.000 LF				
0260	603.21 36 INCH CULVERT PIPE OPTION I	40.000 LF				
0270	603.42 30 INCH REINFORCED CONCRETE PIPE CLASS IV	32.000 LF				
0280	604.092 CATCH BASIN TYPE B1-C	5.000 EA				
0290	604.097 72 INCH CATCH BASIN TYPE B1-C	2.000 EA				
0300	605.09 6 INCH UNDERDRAIN TYPE B	514.000 LF				
0310	605.10 6 INCH UNDERDRAIN OUTLET	20.000 LF				

MAINE DEPARTMENT OF TRANSPORTATION

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SCHEDULE OF ITEMS

DATE: 090924

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	605.13 18 INCH UNDERDRAIN TYPE C	470.000 LF				
0330	606.356 UNDERDRAIN DELINEATOR POST	2.000 EA				
0340	606.47 SINGLE WOOD POST	2.000 EA				
0350	609.31 CURB TYPE 3	760.000 LF				
0360	610.08 PLAIN RIPRAP	10.000 CY				
0370	613.319 EROSION CONTROL BLANKET	240.000 SY				
0380	615.07 LOAM	30.000 CY				
0390	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	30.000 UN				
0400	619.1201 MULCH - PLAN QUANTITY	30.000 UN				
0410	620.56 DRAINAGE GEOTEXTILE	30.000 SY				
0420	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0430	629.05 HAND LABOR, STRAIGHT TIME	10.000 HR				
0440	631.111 TRACTOR MOUNTED HYDRAULIC HAMMER	4.000 HR				
0450	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10.000 HR				
0460	631.13 BULLDOZER (INCLUDING OPERATOR)	5.000 HR				
0470	631.14 GRADER (INCLUDING OPERATOR)	5.000 HR				
0480	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR				
0490	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR				
0500	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	5.000 HR				
0510	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	4.000 HR				
0520	639.19 FIELD OFFICE TYPE B	1.000 EA				
0530	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP	LUMP			

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			DOLLARS	CTS	DOLLARS	CTS
0540	652.33 DRUM	EA 20.000				
0550	652.34 CONE	EA 50.000				
0560	652.35 CONSTRUCTION SIGNS	SF 30.000				
0570	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	CD 68.000				
0580	652.38 FLAGGER	HR 2000.000				
0590	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0600	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					
	TOTAL BID					

SPECIAL PROVISION
SECTION 526
CONCRETE BARRIER
(Temporary Concrete Barrier)

Materials

Temporary concrete barriers must be connected using a 1-1/8 inch diameter rod, with a washer and cotter pin on the bottom. The contractor has the option to use a nut and washer connection as shown on the Standard Detail 526(02) or the top of the rod may be hooked over the top connector. The connecting pin must be smooth and not deformed. Reinforcing bar will not be permitted.

SPECIAL PROVISION
SECTION 643
TRAFFIC SIGNALS

Under 643.023 Design and Fabrication, add the following to the end of the first paragraph:

Cantilevered signal support structures with mast arms shall be classified as Fatigue Category III with Fatigue Importance Factors (I_f) of 0.59 for Natural Wind Gusts and 0.68 for Truck-Induced Gusts unless specified otherwise on the contract plans.

If Category II is specified on the contract plans, the Fatigue Importance Factors (I_f) shall be 0.80 for Natural Wind Gusts and 0.84 for Truck-Induced Gusts. If Category I is specified on the contract plans, the Fatigue Importance Factors (I_f) shall be 1.0 for Natural Wind Gusts and 1.0 for Truck-Induced Gusts.

Designing for fatigue induced by Galloping or Vortex Shedding is not required for traffic signal structures with mast or bracket arms.

643.09 Service Connection, add the following after the last paragraph:

“All meter mounting devices shall be installed so that the meters will be upright (plumb). They shall be installed with the top of the meter not less than 1.2 M [48 in] nor more than 1.5 M [60 in] from the floor to the final grade. Exceptions to this height requirement will be made where special permission has been given to install group or modular metering, overall metering enclosures, or pole-mounted meters. Level grade shall be maintained for a minimum of 1.0 M [3 ft] in front of the meter enclosure to provide a safe working space. In order to meet this requirement on uneven terrain, as an option, the Contractor may install a pressure-treated wood platform.

For any non-residential (industrial or commercial) self-contained meter socket the bypass requirements are single phase, 100 or 150 amp, single handle lever operated.

The Contractor shall meet all requirements and regulations of Utility Companies when installing equipment on their poles and for the service connection. It is the responsibility of the Contractor to contact the appropriate Utility to determine their specific requirements.”

