



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

January 12, 2007
Subject: **Thomaston - Warren**
Project Number: BR-1105(500)X
PIN: 11055.00
Bid Amendment No. 2

Dear Sir/Ms.:

Please make the following change to the Bid Documents:

Delete the "Schedule of Items" dated 061220 nine pages total, and replace with the attached "Schedule of Items" dated 070112 nine pages total.

Add the attached "Supplemental Specification Section 401 Hot Mix Asphalt Pavement", one page total, dated January 27, 2006.

Delete "Special Provision Section 403 Hot Mix Asphalt", page 1 of 1, dated December 5th, 2006, and replace with the attached "Special Provision Section 403 Hot Mix Asphalt" page 1 of 1, dated January 12th, 2007.

On plan sheet number 2 of 44 entitled "Estimated Quantities & Notes" delete item 403.208 – Hot Mix Asphalt 12.5 MM HMA Surface – 186 - T, and replace with Item 403.210 – Hot Mix Asphalt 9.5 – MM- HMA – 186 – T. Make this change in pen and ink.

On plan sheet number 2 of 44 entitled "Estimated Quantities & Notes" under the General Construction Notes add the following new note in pen and ink:

21. *"The Concrete Jersey Barriers on the project are the property of MDOT Bridge Maintenance". Call Mike Eldridge to coordinate (207) 624-8225.*

The Department has received the following questions:

Question: In the Schedule of Items you list Item No. 403.208 – 12.5- Surface; in the Special Provision Section 403 you list 403.210 - 9.5 MM. Which is correct?

Response: *Please see the new "Schedule of Items" as addressed in this amendment.*



PRINTED ON RECYCLED PAPER

Question: In “Special Provision Section 502 Structural Concrete (Quality Level Analysis)” it specifies Method B, then in “Special Provision Section 502 Structural Concrete (QC/QA Acceptance Methods)” it specifies Methods A & C. Which is correct?

Response: *The correct method is A & C as specified in Special Provision Section 502 Structural Concrete (QC/QA Acceptance Methods). “Special Provision Section 502 Structural Concrete (Quality Level Analysis)” amends the Maine DOT Standard Specification, Revision of December 2002.*

Consider these changes and information prior to submitting your bid on January 17, 2007.

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: 011055.00

PROJECT(S): BR-1105(500)X

CONTRACTOR : _____

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

SECTION 0001 Items Common To Either Alternate

0010	201.23 REMOVING SINGLE TREE TOP ONLY	2.000 EA				
0020	201.24 REMOVING STUMP	3.000 EA				
0030	202.19 REMOVING EXISTING BRIDGE 1062	LUMP	LUMP			
0040	203.20 COMMON EXCAVATION	1700.000 CY				
0050	203.24 COMMON BORROW	200.000 CY				
0060	203.25 GRANULAR BORROW	375.000 CY				
0070	203.34 CRUSHED STONE FILL	1.000 T				
0080	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	40.000 CY				
0090	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	305.000 CY				
0100	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	1390.000 CY				

SCHEDULE OF ITEMS

CONTRACT ID: 011055.00

PROJECT(S): BR-1105(500)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	403.209 HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)	18.000 T				
0120	403.210 HOT MIX ASPHALT 9.5 MM HMA	186.000 T				
0130	403.213 HOT MIX ASPHALT 12.5 MM HMA BASE	165.000 T				
0140	409.15 BITUMINOUS TACK COAT APPLIED	50.000 G				
0150	603.17 18 INCH CULVERT PIPE OPTION I	10.000 LF				
0160	603.173 18 INCH CORRUGATED ALUMINUM PIPE	2.000 LF				
0170	604.092 CATCH BASIN TYPE B1-C	3.000 EA				
0180	604.244 CATCH BASIN TYPE F4	1.000 EA				
0190	605.09 6 INCH UNDERDRAIN TYPE B	210.000 LF				
0200	605.13 18 INCH UNDERDRAIN TYPE C	350.000 LF				
0210	606.1721 BRIDGE TRANSITION - TYPE 1	4.000 EA				

SCHEDULE OF ITEMS

CONTRACT ID: 011055.00

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	238.000 LF				
0230	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	50.000 LF				
0240	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2.000 EA				
0250	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA				
0260	606.79 GUARDRAIL 350 FLARED TERMINAL	2.000 EA				
0270	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	2.000 EA				
0280	609.31 CURB TYPE 3	240.000 LF				
0290	610.16 HEAVY RIPRAP	1600.000 CY				
0300	610.18 STONE DITCH PROTECTION	30.000 CY				
0310	613.319 EROSION CONTROL BLANKET	1800.000 SY				
0320	615.07 LOAM	40.000 CY				

SCHEDULE OF ITEMS

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	4.000 UN				
0340	619.1401 EROSION CONTROL MIX	5.000 CY				
0350	620.58 EROSION CONTROL GEOTEXTILE	900.000 SY				
0360	620.604 GEOCELL CONFINEMENT SYSTEM	750.000 SF				
0370	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	1650.000 LF				
0380	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR				
0390	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR				
0400	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR				
0410	631.36 FOREPERSON	10.000 HR				
0420	635.14 PREFABRICATED CONCRETE MODULAR GRAVITY WALL	1500.000 SF				
0430	637.071 DUST CONTROL	LUMP	LUMP			

SCHEDULE OF ITEMS

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	639.19 FIELD OFFICE TYPE B	1.000 EA				
0450	652.38 FLAGGER	10.000 HR				
0460	652.39 WORK ZONE TRAFFIC CONTROL	LUMP	LUMP			
0470	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0480	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					.

SECTION 0002 Box Beam Alternate No.1
(BOX BEAM)
ALT GROUP AS1

0490	501.231 DYNAMIC LOADING TEST	1.000 EA				
0500	501.46 STEEL H-BEAM PILES 73 LBS/FT, DELIVERED	430.000 LF				
0510	501.461 STEEL H-BEAM PILES 73 LBS/FT, IN PLACE	430.000 LF				
0520	501.90 PILE TIPS	10.000 EA				

SCHEDULE OF ITEMS

CONTRACT ID: 011055.00

PROJECT(S): BR-1105(500)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0530	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP	LUMP			
0540	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP	LUMP			
0550	502.25 STRUCTURAL CONCRETE SUPERSTRUCTURE SLABS	LUMP	LUMP			
0560	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP	LUMP			
0570	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALK	LUMP	LUMP			
0580	503.14 EPOXY COATED REINFORCING STEEL, FABRICATED AND DELIVERED	LB 4200.000				
0590	503.15 EPOXY COATED REINFORCING STEEL PLACING	LB 4200.000				
0600	507.0831 STEEL BRIDGE RAILING, 4 BAR	LUMP	LUMP			
0610	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP	LUMP			
0620	512.081 FRENCH DRAINS	LUMP	LUMP			
0630	514.06 CURING BOX FOR CONCRETE CYLINDERS	EA 1.000				

SCHEDULE OF ITEMS

CONTRACT ID: 011055.00

PROJECT(S): BR-1105(500)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0640	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP	LUMP			
0650	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP	LUMP			
0660	526.34 PERMANENT CONCRETE TRANSITION BARRIER	EA 4.000				
0670	535.62 PRESTRESSED STRUCTURAL CONCRETE BOX BEAM	LUMP	LUMP			
	SECTION 0002 TOTAL					.

SECTION 0003 New England Bulb Tee Alternate No.2
(I-GIRDER)
ALT GROUP AS2

0680	501.231 DYNAMIC LOADING TEST	EA 1.000				
0690	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	LF 360.000				
0700	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	LF 360.000				
0710	501.90 PILE TIPS	EA 8.000				
0720	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP	LUMP			

SCHEDULE OF ITEMS

CONTRACT ID: 011055.00

PROJECT(S): BR-1105(500)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0730	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP	LUMP			
0740	502.261 STRUCTURAL CONCRETE ROADWAY & SIDEWALK SLAB ON CONCRETE BRIDGE	LUMP	LUMP			
0750	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP	LUMP			
0760	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALK	LUMP	LUMP			
0770	503.14 EPOXY COATED REINFORCING STEEL, FABRICATED AND DELIVERED	9000.000 LB				
0780	503.15 EPOXY COATED REINFORCING STEEL PLACING	9000.000 LB				
0790	507.0831 STEEL BRIDGE RAILING, 4 BAR	LUMP	LUMP			
0800	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP	LUMP			
0810	512.081 FRENCH DRAINS	LUMP	LUMP			
0820	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA				

SCHEDULE OF ITEMS

CONTRACT ID: 011055.00

PROJECT(S): BR-1105(500)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0830	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP	LUMP			
0840	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP	LUMP			
0850	526.34 PERMANENT CONCRETE TRANSITION BARRIER	EA	4.000			
0860	535.61 PRESTRESSED STRUCTURAL CONCRETE I-GIRDERS	LUMP	LUMP			
	SECTION 0003 TOTAL					
	TOTAL BID					

SUPPLEMENTAL SPECIFICATION
SECTION 401
HOT MIX ASPHALT PAVEMENT

The Standard Specification 401 – Hot Mix Asphalt Pavement, has been modified with the following revisions. All sections not revised by this Supplemental Specification shall be as outlined in Section 401 of the Standard Specifications.

TABLE 1: VOLUMETRIC DESIGN CRITERIA

Design ESAL's (Millions)	Required Density (Percent of G _{mm})			Voids in the Mineral Aggregate (VMA)(Minimum Percent)					Voids Filled with Binder (VFB) (Minimum %)	Fines/Eff. Binder Ratio
				Nominal Maximum Aggregate Size (mm)						
	N _{initial}	N _{design}	N _{max}	25 [1 inch]	19 [¾ inch]	12.5 [½ inch]	9.5 [¾ inch]	4.75 [#4]		
<0.3	≤91.5	96.0	≤98.0	12.5	13.5	14.5	15.5	16.0	70-80	0.6-1.2
0.3 to <3	≤90.5								65-78	
3 to <10	≤89.0								65-75*	
10 to <30									65-75*	
≥ 30										

*For 9.5 mm [¾ in] nominal maximum aggregate size mixtures, the maximum VFB is 76.

*For 4.75 mm [#4] nominal maximum aggregate size mixtures, the maximum VFB is 80.

401.04 Temperature Requirements After the JMF is established, the temperatures of the mixture shall conform to the following tolerances:

In the truck at the mixing plant - allowable range - 275 to 325 °F [135 to 162°C]
At the Paver - allowable range - 275 to 325 °F [135 to 162°C]

The JMF and the mix subsequently produced shall meet the requirements of Tables 1 and Section 703.07. Under no circumstances will the Department accept HMA (unless the binder has been modified) that has been heated to temperatures over 325°F [162°C].

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT

Desc. Of Course	Grad Design.	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<u>Bridge Deck</u>						
Wearing	9.5 mm	403.210	N/A	3 in	2	1,2,4,9
<u>Bridge Approaches Mainline & Shoulders</u>						
Wearing	9.5 mm	403.210	N/A	1 ¼ in	1	4,9,11,17
Base	12.5 mm	403.213	N/A	1 ¾ in	1	4,9,17
<u>Sidewalks, Drives, Islands & Incidentals</u>						
Wearing	9.5 mm	403.209	N/A	2 in	2/more	2,3,9,13

COMPLEMENTARY NOTES

1. The use of Recycled Asphalt Pavement (RAP) will not be permitted.
2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. 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.**
9. Section 106.6 Acceptance, (2) Method C.
11. A mixture meeting the gradation of 12.5 mm hot mix asphalt may be used at the option of the contractor.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
17. The density requirements are as per Specification 401, subsection 401.203, Method C.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 gal/yd², and on milled pavement approximately 0.05 gal/yd², 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 gal/yd².

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.