



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

August 1, 2007
Subject: **South Portland**
Project No. IMD-IM-1098(810)E
Pin No. 010988.10
Amendment No. 1

Dear Sir/Ms:

Please make the following changes to the Bid Documents:

In the Bid Book, REMOVE the existing: "Schedule of Items" dated 070717, fifteen pages total and REPLACE with the attached updated: "Schedule of Items" dated **070801**, **sixteen** pages total.

ADD the attached: "Special Provision, Section 108, Payment" dated July 30, 2007, one page total.

ADD the attached: "Special Provision, Section 203, Excavation and Embankment, Dredge Materials" dated 23 July 2007, one page total.

DELETE: "Special Provision, Section 403, Hot Mix Asphalt Overlay" dated July 11, 2007 on pages eighty-four and eighty-five and REPLACE with the attached: "Special Provision, Section 403, Hot Mix Asphalt Overlay" dated July 30, 2007, two pages total.

DELETE: "Special Provision, Section 502, Structural Concrete, QC/QA Acceptance Methods" dated July 10, 2007 on page eighty-seven and REPLACE with the attached: "Special Provision, Section 502, Structural Concrete, QC/QA Acceptance Methods" dated July 20, 2007, one page total.

ADD the attached: "Special Provision, Section 610, Riprap, Plain Riprap – Shear Key" dated June 25, 2007, one page total.

ADD the attached: "Special Provision, Section 621, Landscape, Plant Species Specification and Quantity List" dated July 27, 2007, two pages total.

DELETE: "Special Provision, Section 626, Foundations" dated January 2, 2007 on page one hundred eighteen and REPLACE with the attached: "Special Provision, Section 626, Foundations" dated July 27, 2007, one page total.



PRINTED ON RECYCLED PAPER

ADD: The attached "Special Provision, Section 634 and 643 Highway Lighting and Traffic Signals" 1 page dated June 29, 2007, along with the 1 page "Highway Lighting Quality Control Checklist". Two pages total.

In the Plans, On sheet two of one hundred twenty-three titled: "Estimated Quantities, General Notes, Earthwork Summary," under "Estimated Quantities" within "Item No: 403.1021, Textured Asphalt Pavement, under "Quantity," DELETE: "5200" and REPLACE with the following: "580". Make this change in pen and ink.

On sheet two of one hundred twenty-three titled: "Estimated Quantities, General Notes, Earthwork Summary," under "Estimated Quantities" within "Item No: 403.1021, Textured Asphalt Pavement, under "Unit," DELETE: "SF" and REPLACE with the following: "SY". Make this change in pen and ink.

On sheet two of one hundred twenty-three titled: "Estimated Quantities, General Notes, Earthwork Summary," under "Estimated Quantities" within "Item No: 621.043, Evergreen Tr (6'-8') Gp A" under "Quantity," DELETE: "57" and REPLACE with the following: "82". Make this change in pen and ink.

On sheet two of one hundred twenty-three titled: "Estimated Quantities, General Notes, Earthwork Summary" DELETE the following Items:

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
621.044	EVERGREEN TR (6'-8') GP A	33	EACH
621.126	SM. DECID TR (8'-10') GP B	60	EACH

Make these changes in pen and in.

On sheet two of one hundred twenty-three titled: "Estimated Quantities, General Notes, Earthwork Summary" ADD the following Items:

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.2318	DISPOSAL OF SPECIAL WASTE	430	TON
403.208	HOT MIX ASPHALT - 12.5 MM SURFACE	150	TON
403.213	HOT MIX ASPHALT - 12.5 MM BASE	150	TON
621.037	EVERGREEN TR (5'-6') GP A	11	EACH
621.050	EVERGREEN TR (9'-10') GP A	9	EACH
621.186	MED. DICID TR (8'-10') MULTISTEM GP A	43	EACH
621.267	LG DECID TR (1.75"-2" CAL) GP A	24	EACH
621.274	LG DECID TR (2"-2.5" CAL) GP A	17	EACH
621.546	DECID SHRUBS (2'-3') GP A	72	EACH
621.80	ESTABLISHMENT PERIOD	1	LS
631.13	BULLDOZER (INCLUDING OPERATOR)	50	HR
631.14	GRADER (INCLUDING OPERATOR)	50	HR
631.15	ROLLER, EARTH AND BASE (INCLUDING OPERATOR)	50	HR

Make these changes in pen and ink.

On sheet forty-eight of one hundred twenty-three titled: "Landscaping Plan, South Portland, I-295 Exit 3 Interchange" under "Plant List" within "Item No: 621.126, AL, AMELANCHER CANADENSIS 'LAMARKII'" DELETE the following: "621.126" and REPLACE with the following: "621.186". Make this change in pen and ink.

On sheet forty-eight of one hundred twenty-three titled: "Landscaping Plan, South Portland, I-295 Exit 3 Interchange" under "Plant List" within "Item No: 621.126, AO, AESCULUS CARNEA 'O'NEILL'S RED'" DELETE the following: "621.126" and REPLACE with the following: "621.274". Make this change in pen and ink.

On sheet forty-eight of one hundred twenty-three titled: "Landscaping Plan, South Portland, I-295 Exit 3 Interchange" under "Plant List" within "Item No: 621.044, PS, PINUS STROBUS" DELETE the following: "621.044" and REPLACE with the following: "621.050". Make this change in pen and ink.

On sheet forty-eight of one hundred twenty-three titled: "Landscaping Plan, South Portland, I-295 Exit 3 Interchange" under "Plant List" within "Item No: 621.044, TN, THUJA OCCIDENTALIS 'NIGRA'" DELETE the following: "621.044" and REPLACE with the following: "621.043". Make this change in pen and ink.

On sheet fifty-three of one hundred twenty-three titled: "Westbrook Street, South Portland, I-295 Exit 3 Interchange, General Plan and Elevation" under "Materials" within "Structural Steel" DELETE the following: "ASTM A709, Grade 50" and REPLACE with the following: "ASTM A709, Grade 50W". Make this change in pen and ink.

On sheet fifty-three of one hundred twenty-three titled: "Westbrook Street, South Portland, I-295 Exit 3 Interchange, General Plan and Elevation" under "Basic Design Stresses" within "Structural Steel" DELETE the following: "ASTM A709, Grade 50" and REPLACE with the following: "ASTM A709, Grade 50W". Make this change in pen and ink

The following questions have been received:

Question: Design sheet 53 of 123 calls for structural steel to be A709-50. Is this bridge painted? If so, what paint system will be used?

Response: The bridge is not painted. It is to be constructed from weathering steel, as addressed in this Amendment.

Question: This project is calling for polymer modified asphalt for all courses of hot mix other than 403.207 19-mm course and items 403.208 and 403.213 (on ramp shoulders). Item numbers 403.208 and 403.213 have not been included in the schedule of items.

Response: The omission of 403.208 and 403.213 is addressed in this Amendment.

Question: Due to the phasing and duration of this project the supplying of modified AC becomes very cumbersome and costly. Would the Department consider changing any of these items to 64-28 AC and if not would the Department consider the 403.2081 and 403.2131 items for escalation as a Special Provision to Standard Specification 108.4.1?

Response: The Department will not consider changing the modified asphalt items (403.2081 and 403.2131) to other hot mix asphalt materials. Escalation is addressed in Special Provision, Section 108, Payment, of this Amendment.

Question: Should the unit for item 403.1021 be SF instead of SY?

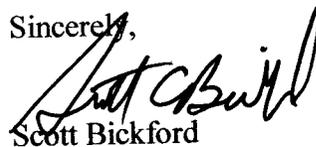
Response: The units for item 403.1021 should be square yards (SY), this is addressed in this Amendment.

Question: Special Provision 403, 3" HMA Bridge Deck, item 403.210, references comp note #9, but it is not listed, please clarify.

Response: Refer to Special Provision, Section 403, Hot Mix Asphalt Overlay, included with this Amendment.

Consider these changes and information prior to submitting your bid on August 8, 2007.

Sincerely,



Scott Bickford

Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 010988.10

PROJECT(S): IMD-IM-1098(810)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.11 CLEARING	0.300 AC				
0020	202.15 REMOVING MANHOLE OR CATCH BASIN	2.000 EA				
0030	202.202 REMOVING PAVEMENT SURFACE	9400.000 SY				
0040	203.20 COMMON EXCAVATION	26225.000 CY				
0050	203.2318 DISPOSAL OF SPECIAL WASTE	430.000 T				
0060	203.25 GRANULAR BORROW	8050.000 CY				
0070	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1500.000 CY				
0080	304.09 AGGREGATE BASE COURSE - CRUSHED	2225.000 CY				
0090	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	8575.000 CY				
0100	403.1021 TEXTURED ASPHALT PAVEMENT	580.000 SY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	403.207 HOT MIX ASPHALT 19.0 MM HMA	4000.000				
		T				
0120	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	150.000				
		T				
0130	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	3025.000				
		T				
0140	403.209 HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)	260.000				
		T				
0150	403.210 HOT MIX ASPHALT 9.5 MM HMA	65.000				
		T				
0160	403.211 HOT MIX ASPHALT (SHIMMING)	500.000				
		T				
0170	403.213 HOT MIX ASPHALT 12.5 MM HMA BASE	150.000				
		T				
0180	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	3800.000				
		T				
0190	409.15 BITUMINOUS TACK COAT - APPLIED	3000.000				
		G				
0200	501.231 DYNAMIC LOADING TEST	2.000				
		EA				
0210	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	460.000				
		LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	460.000 LF				
0230	501.70 STEEL PIPE PILES, DELIVERED	240.000 LF				
0240	501.701 STEEL PIPE PILES, IN PLACE	240.000 LF				
0250	501.90 PILE TIPS	8.000 EA				
0260	501.91 PILE SPLICES	16.000 EA				
0270	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP	LUMP			
0280	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP	LUMP			
0290	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (FOOTING)	LUMP	LUMP			
0300	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP	LUMP			
0310	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	502.341 STRUCTURAL CONCRETE ROADWAY MEDIAN	6.000 CY				
0330	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	73000.000 LB				
0340	503.13 REINFORCING STEEL, PLACING	73000.000 LB				
0350	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP	LUMP			
0360	504.71 STRUCTURAL STEEL ERECTION	LUMP	LUMP			
0370	505.08 SHEAR CONNECTORS	LUMP	LUMP			
0380	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP	LUMP			
0390	512.081 FRENCH DRAINS	LUMP	LUMP			
0400	513.09 SLOPE PROTECTION - PORTLAND CEMENT CONCRETE	375.000 SY				
0410	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA				
0420	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT		
			DOLLARS	CTS	DOLLARS	CTS	
0430	524.40 PROTECTIVE SHIELD	LUMP	LUMP				
0440	526.331 PERMANENT CONCRETE BARRIER TYPE III B	LUMP	LUMP				
0450	526.70 TEMPORARY CONCRETE BARRIER REMOVE	500.000 LF					
0460	603.132 8" CULV PIPE OPTION III	24.000 LF					
0470	603.155 12 INCH REINFORCED CONCRETE PIPE CLASS III	350.000 LF					
0480	603.159 12 INCH CULVERT PIPE OPTION III	350.000 LF					
0490	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	178.000 LF					
0500	603.169 15 INCH CULVERT PIPE OPTION III	127.000 LF					
0510	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	17.000 LF					
0520	603.179 18 INCH CULVERT PIPE OPTION III	147.000 LF					
0530	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	8.000 LF					

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	603.215 36 INCH REINFORCED CONCRETE PIPE CLASS III	12.000 LF				
0550	604.072 CATCH BASIN TYPE A1-C	9.870 EA				
0560	604.092 CATCH BASIN TYPE B1-C	15.000 EA				
0570	604.0956 96 INCH CATCH BASIN TYPE B1	1.500 EA				
0580	604.099 CATCH BASIN TYPE B1-C - INSTALL ONLY	LUMP	LUMP			
0590	604.16 ALTERING CATCH BASIN TO MANHOLES	14.000 EA				
0600	604.164 REBUILDING CATCH BASIN	4.000 EA				
0610	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	10.000 EA				
0620	604.22 18 INCH TRAP	2.000 EA				
0630	604.243 CATCH BASIN TYPE F3-C	2.000 EA				
0640	604.245 CATCH BASIN TYPE F4-C	3.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0650	604.247 CATCH BASIN TYPE F5-C	2.000 EA				
0660	604.249 CATCH BASIN TYPE F6-C	7.000 EA				
0670	604.252 CATCH BASIN TYPE A5-C	6.125 EA				
0680	604.262 CATCH BASIN TYPE B5-C	1.000 EA				
0690	605.07 4" UNDERDRAIN PIPE	559.000 LF				
0700	605.08 4" UNDERDRAIN OUTLET PIPE	172.000 LF				
0710	605.09 6 INCH UNDERDRAIN TYPE B	1754.000 LF				
0720	605.10 6 INCH UNDERDRAIN OUTLET	90.000 LF				
0730	605.11 12 INCH UNDERDRAIN TYPE C	579.000 LF				
0740	606.17 GUARDRAIL TYPE 3B - SINGLE RAIL	2037.500 LF				
0750	606.1721 BRIDGE TRANSITION - TYPE 1	5.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0760	606.21 GUARDRAIL TYPE 3B - 15 FOOT RADIUS AND LESS	12.500 LF				
0770	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2.000 EA				
0780	606.363 GUARDRAIL REMOVE AND DISPOSE	370.000 LF				
0790	606.79 GUARDRAIL 350 FLARED TERMINAL	3.000 EA				
0800	607.173 CHAIN LINK FENCE - 6 FOOT PVC COATED	630.000 LF				
0810	607.23 CHAIN LINK FENCE GATE	1.000 EA				
0820	607.35 BRACING ASSEMBLY CHAIN LINK FENCE PVC COATED	8.000 EA				
0830	607.50 GOLF BARRIER NETTING SYSTEM	LUMP	LUMP			
0840	608.254 PRESSED CONCRETE BLOCK PAVER	80.000 SF				
0850	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	95.000 LF				
0860	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	20.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0870	609.2371 TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	5.000 EA				
0880	609.31 CURB TYPE 3	720.000 LF				
0890	609.34 CURB TYPE 5	4830.000 LF				
0900	609.35 CURB TYPE 5 - CIRCULAR	215.000 LF				
0910	609.38 RESET CURB TYPE 1	3530.000 LF				
0920	609.40 RESET CURB TYPE 5	230.000 LF				
0930	610.07 STONE FILL	45.000 CY				
0940	610.08 PLAIN RIPRAP	950.000 CY				
0950	613.319 EROSION CONTROL BLANKET	1100.000 SY				
0960	615.07 LOAM	1100.000 CY				
0970	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	14.000 UN				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0980	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	31.000 UN				
0990	618.1411 SEEDING METHOD NUMBER 3 - PLAN QUANTITY	40.000 UN				
1000	619.1201 MULCH - PLAN QUANTITY	85.000 UN				
1010	620.58 EROSION CONTROL GEOTEXTILE	1475.000 SY				
1020	621.037 EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP A	11.000 EA				
1030	621.043 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	82.000 EA				
1040	621.050 EVERGREEN TREES (9'-10') GROUP B	9.000 EA				
1050	621.186 MEDIUM DECIDUOUS TREES (8 FOOT - 10 FOOT) GROUP C	43.000 EA				
1060	621.267 LARGE DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP A	24.000 EA				
1070	621.274 LARGE DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP B	17.000 EA				
1080	621.279 LARGE DECIDUOUS TREE (2.50 INCH - 3 INCH CALIPER) GROUP A	23.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1090	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	72.000 EA				
1100	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
1110	626.11 PRECAST CONCRETE JUNCTION BOX	9.000 EA				
1120	626.21 METALLIC CONDUIT	900.000 LF				
1130	626.22 NON-METALLIC CONDUIT	2700.000 LF				
1140	626.25 UNDER PAVEMENT DUCT	35.000 LF				
1150	626.31 18 INCH FOUNDATION	4.000 EA				
1160	626.32 24 INCH FOUNDATION	24.000 EA				
1170	626.33 30 INCH FOUNDATION	1.000 EA				
1180	626.331 36 INCH FOUNDATION	3.000 EA				
1190	626.35 CONTROLLER CABINET FOUNDATION	1.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1200	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	1.000 EA				
1210	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	27500.000 LF				
1220	627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING	3185.000 SF				
1230	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			
1240	627.77 REMOVING PAVEMENT MARKINGS	7000.000 SF				
1250	629.05 HAND LABOR, STRAIGHT TIME	100.000 HR				
1260	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	50.000 HR				
1270	631.13 BULLDOZER (INCLUDING OPERATOR)	50.000 HR				
1280	631.14 GRADER (INCLUDING OPERATOR)	50.000 HR				
1290	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	50.000 HR				
1300	631.172 TRUCK - LARGE (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
1310	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	50.000 HR				
1320	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	50.000 HR				
1330	634.16 HIGHWAY LIGHTING	LUMP	LUMP			
1340	634.21 CONVENTIONAL LIGHT STANDARD	17.000 EA				
1350	635.30 PREFABRICATED MODULAR GRAVITY WALL	4400.000 SF				
1360	639.18 FIELD OFFICE TYPE A	1.000 EA				
1370	643.80 TRAFFIC SIGNALS AT WESTBROOK ST. W/ BROADWAY	LUMP	LUMP			
1380	643.80 TRAFFIC SIGNALS AT WESTBROOK ST. W/ S.B. OFF-RAMP	LUMP	LUMP			
1390	643.86 TRAFFIC SIGNAL LOOP DETECTORS	18.000 EA				
1400	643.91 MAST ARM POLE	5.000 EA				
1410	643.92 PEDESTAL POLE	4.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1420	643.94 DUAL PURPOSE POLE	2.000 EA				
1430	645.103 DEMOUNT GUIDE SIGN	5.000 EA				
1440	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	33.000 EA				
1450	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	14.000 EA				
1460	645.13 GUIDE SIGN - OVERPASS MOUNTED	LUMP	LUMP			
1470	645.15 CANTILEVER GUIDE SIGN	LUMP	LUMP			
1480	645.161 BREAKAWAY DEVICES SINGLE POLE	3.000 EA				
1490	645.251 ROADSIDE GUIDE SIGNS	172.500 SF				
1500	645.289 STEEL H-BEAM POLES	505.000 LB				
1510	645.291 ROADSIDE GUIDE SIGNS TYPE II	86.500 SF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1520	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	160.000 SF				
1530	645.301 DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	39.000 EA				
1540	652.30 FLASHING ARROW BOARD	2.000 EA				
1550	652.31 TYPE I BARRICADE	5.000 EA				
1560	652.312 TYPE III BARRICADE	7.000 EA				
1570	652.33 DRUM	150.000 EA				
1580	652.34 CONE	150.000 EA				
1590	652.342 42 INCH CONE	50.000 EA				
1600	652.35 CONSTRUCTION SIGNS	300.000 SF				
1610	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	250.000 CD				
1620	652.38 FLAGGER	4000.000 HR				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1630	652.381 TRAFFIC OFFICERS	400.000 HR				
1640	652.41 PORTABLE - CHANGEABLE MESSAGE SIGN	6.000 EA				
1650	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
1660	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	1200.000 SY				
1670	659.10 MOBILIZATION	LUMP	LUMP			
1680	660.21 ON-THE-JOB TRAINING (BID)	4000.000 HR				
	SECTION 0001 TOTAL					
	TOTAL BID					

SPECIAL PROVISION
SECTION 108
PAYMENT

Section 108 of the Standard Specifications is amended as follows:

Section 108.4.1 Price Adjustment for Hot Mix Asphalt: Price adjustment for hot mix asphalt shall include the additional pay items:

Item 403.2081 Polymer Modified Hot Mix Asphalt – 12.5 mm [1/2 in.] (surface)

Item 403.2131 Polymer Modified Hot Mix Asphalt – 12.5 mm [1/2 in.] (base)

Adjustments for these additional items shall be in accordance with the Standard Specifications using the following:

Item 403.2081: 5.3%

Item 403.2131: 5.3%

SPECIAL PROVISION
SECTION 203
EXCAVATION AND EMBANKMENT
(Dredge Materials)

Description: Dredge Material (See MaineDOT Standard Specifications § 101.2) is regulated as a Special Waste.

CONSTRUCTION REQUIREMENTS

Management and Disposal: In accordance with CMR 418, one hundred cubic yards or less of Dredge Material Beneficially Used in the area adjacent to and draining into the dredged water body is exempt from Beneficial Use Permits. The Dredge Material quantity from the I-295 Ramp Modification project (excavated from Clark's Pond) is expected to be approximately 260-cubic yards. There may be an onsite Beneficial Use for some of the Dredge Material, the rest will be disposed of as Special Waste.

The Contractor shall dispose of Dredge Material from the Clark's Pond site, which is not Beneficially Used on site, at a landfill licensed by the Maine Department of Environmental Protection for the disposal of Special Waste. The Contractor shall be responsible for making all necessary arrangements for dewatering and proper disposal of the Dredge Material, including any laboratory testing, in accordance with the landfill's license. The Contractor shall provide documentation to the Resident that the Dredge Material was disposed of as specified. The submitted documentation shall consist of truck manifests, waybills, or such documentation as may be acceptable to the Resident and shall clearly document the disposal site location and the quantity of Dredge Material.

Method of Measurement: Dredge Material will be measured by the cubic yard of material removed. Special Waste properly disposed of will be measured by the ton.

Basis of Payment: Payment for the Beneficial Use of Dredge Material will be incidental to the project.

The accepted quantity of Dredge Material properly disposed of, as Special Waste, will be paid for at the contract unit price bid for Disposal of Special Waste.

Payment shall be full compensation for excavation, dewatering, testing, managing, transporting, disposal or placement, and all associated fees.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
203.2318	Disposal of Special Waste	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>3" HMA Mill and Resurface</u>						
<u>Travelway, Turnlanes, and Shoulders</u>						
Wearing	12.5mm	403.2081	N/A	1 1/2"	1	1,5,7
Base	12.5mm	403.2131	N/A	1 1/2"	1	1,5,7
<u>6 1/2" HMA Reconstruction Areas</u>						
<u>Travelway, Turnlanes, and Shoulders</u>						
Wearing	12.5mm	403.2081	N/A	1 3/4"	1	1,5,7
Base	12.5mm	403.2131	N/A	1 3/4"	1	1,5,7,
Base	19.0mm	403.207	N/A	3"	2/more	4,5,7,21
<u>6 1/2" HMA I-95 Onramp Travel Lane</u>						
Wearing	12.5mm	403.2081	N/A	1 3/4"	1	1,5,7
Base	12.5mm	403.2131	N/A	1 3/4"	1	1,5,7,
Base	19.0mm	403.207	N/A	3"	2/more	4,5,7,21
<u>3 1/2" HMA I-95 Onramp Shoulders</u>						
Wearing	12.5mm	403.208	N/A	1 3/4"	1	5,7
Base	12.5mm	403.213	N/A	1 3/4"	1	5,7
<u>3" HMA Bridge Deck</u>						
Wearing	9.5mm	403.210	N/A	1 1/2"	1	1,2,5,9
Base	9.5mm	403.210	N/A	1 1/2"	1	1,2,5,9
<u>Drives</u>						
Wearing	9.5mm	403.209	N/A	3"	2/more	2,3,10,11,14
<u>Sidewalks, Islands, Misc.</u>						
Wearing	9.5mm	403.209	N/A	2"	2/more	2,3,10,11,14

COMPLEMENTARY NOTES

1. The required PGAB for this mixture will meet a **PG 70-28** to **PG 76-28** grading. The use of Recycled Asphalt Pavement (RAP) will not be permitted in mixtures utilizing modified PGAB's.
2. The density requirements are waived. The use of an oscillating roller shall be required to compact the HMA pavement placed on Bridge decks.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for the initial base layer over gravel 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.**
5. The aggregate qualities shall meet the design traffic level of 3 to <10 million ESALS for mix placed under this contract. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **75 gyrations.**
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (1) Method C, as per Section 401.
10. Section 106.6 Acceptance, (2) Method D.

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11. A **“FINE”** 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item. A 4.75mm mixture may be substituted for the island and sidewalk surface layers.
14. 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.
21. A **“FINE”** 19.0 mm mix with a gradation above or through the restricted zone shall be used for this item.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item 409.15 shall be applied to any existing pavement or recycled layer 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.

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA ACCEPTANCE METHODS)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
LP	502.219	Structural Concrete Abutments & Retaining Walls (Structural) – Barrier Wall	\$450.00	A
A	502.219	Structural Concrete Abutments & Retaining Walls (Structural)	\$400.00	A
A	502.26	Structural Concrete Roadway & Sidewalk Slab on Steel Bridge	\$400.00	A
A	502.31	Structural Concrete Approach Slab		C
A	502.341	Structural Concrete Roadway Median		C
A	513.09	Slope Protection – Portland Cement Concrete		C
LP	526.331	Permanent Concrete Barrier Type IIIB	\$400.00	A
LP	626.xxx	Concrete Foundations		C

P values listed above reflect the price per cubic yard (cy) for all pay adjustment purposes.

SPECIAL PROVISION
SECTION 610
RIPRAP
(Plain Riprap – Shear Key)

Description. This will shall consist of placing Plain Riprap for Shear Key in accordance with this Section, the construction plans, and as directed by the Resident.

Material. Material comprising the shear key, as shown on the plans, shall consist of Plain Riprap, as included under Section 703.26 of the Standard Specifications, with the following added provisions:

1. All of the material shall be angular, consistent with blast material
2. Stones shall weigh 200 lb. to 750 lb.

Construction. The Contractor is informed that the native clay-sand soils in the area of the shear key construction may become weak when overly disturbed. The Contractor shall take care when excavating and placing material for the shear key to not overly disturb the native clay-sand soils. Native clay-sand soils which are overly disturbed during excavation and construction of the shear key, as determined by the Resident, shall be removed and replaced with Shear Key Material, as defined herein. Removal and replacement of overly disturbed clay-sand soils shall be at no additional cost.

Shear Key Material shall be separated from the surrounding soils with Erosion Control Geotextile, MDOT 722.03. Placement of Erosion Control Geotextile shall be in accordance with Section 620 of the Standard Specifications.

Where shear key construction is below the water level, material shall be placed in horizontal courses no greater than 36 inches in thickness for the full width of the excavation. Where shear key construction is above the water level, courses shall be no greater than 24 inches in thickness, and each course shall be proof-rolled with a minimum of four passes of heavy, track mounted, equipment, as approved by the Resident. The method of material placement shall be as directed by the Resident.

Measurement. Measurement of Plain Riprap for Shear Key shall be as specified in Section 610.05 of the Standard Specifications.

Basis of Payment. Basis of payment for Plain Riprap for Shear Key shall be as specified in Section 610.06 of the Standard Specifications.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
610.08 Plain Riprap	Cubic Yard

SPECIAL PROVISIONS
SECTION 621
LANDSCAPE
(Plant Species Specification and Quantities List)

The following list of items provides the estimated quantities for use on this project. The scientific name of the plant material is provided along with the common name in parenthesis.

The contractor shall follow MDOT Standard Specifications (Dec 2002) for landscape materials and installation procedures (sec 621).

Plant material quantities listed in this Section which are in excess of the quantities shown on the Landscaping Plan (Sheet 48 of the Construction Plans) shall be placed within the Project limits at locations designated by The MDOT Landscape Architect or his designee. The MDOT Landscape Architect or his designee will be available to inspect plant materials and stake the location of plant materials at the time of planting.

ITEM NO	Description	Unit	Quantity	Total
621.037	Evergreen Trees 5'-6' B&B	Ea		11
	Picea abies (Norway Spruce)		11	
621.043	Evergreen Tree 6'-8' B&B	Ea		82
	Abies balsamea (Balsam Fir)		32	
	Abies concolor (Concolor Fir)		16	
	Abies fraseri (Farser Fir)		10	
	Thuja Occidentalis Nigra (Dark American Arborvitae)		24	
621.050	Evegreen Trees 9'-10' B&B	Ea		9
	Pinus strobus (White Pine)		9	
621.186	Med Deciduous Trees 8'-10' multistem B&B	Ea		43
	Amelancher Canadensis Lamarkii (lamarki Serviceberry)		43	
621.267	Lg Deciduous Trees 1.75" – 2" cal B&B	Ea		24
	Acer rubrum (Red Maple)		24	
621.274	Lg Deciduous Trees 2"-2.5" cal B&B	Ea		17
	Aesculus carnea O'Neill's Red (O'Niel's Red Horse Chestnut)		17	
621.279	Lr Deciduous Trees 2.5"-3" cal B&B	Ea		23
	Acer saccharum Green Mt (Green Mt Sugar Maple)		8	
	Fraxinus pennsylvanica Cimmzah (Cimmaron Ash)		10	
	Quercus rubra (Red Oak)		5	

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621.546	Deciduous Shrubs 2'-3' con	Ea		72
	Forsythia Northern Sun (Northern Sun Forsythia)		36	
	Symphoricarpos racemosus (Snowberry)		36	
621.80	Establishment Period	LS		1
	Establishment Period		1	

SPECIAL PROVISION
SECTION 626
Foundations

626.034 Concrete Foundations:

Pre-cast Foundations shall not be permitted. Concrete foundations shall be class LP and method "C".

626.021 Miscellaneous Material:

The 4th paragraph of this Section shall be amended with the following:

All concrete foundations shall be constructed with type LP concrete in accordance with the applicable requirements of Section 502 – Structural Concrete.

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SPECIAL PROVISION
Section 634 and 643
Highway Lighting and Traffic Signals

Subsection 634.09, testing of highway lighting, the first sentence shall be amended as follows:

Before acceptance of the work the contractor shall cause the following tests to be made on all lighting circuits, by a licensed electrician.

The tests do not need to be performed in the presence of the Resident Engineer, but the test results shall be recorded on the Highway Lighting Quality Control Check List and submitted to the Resident Engineer by the Contractor for acceptance. The form shall be signed by the licensed electrician certifying that the highway lighting meets the requirements of section 634.09.

Subsection 634.14, field testing of Traffic Signals, the first sentence shall be amended as follows:

Before acceptance of the work the contractor shall cause the following tests to be made on all traffic signal equipment and circuits, by a licensed electrician.

The tests do not need to be performed in the presence of the Resident Engineer, but the test results shall be recorded on the Traffic Signal Quality Control Check List and submitted to the Resident Engineer by the Contractor for acceptance. The form shall be signed by the licensed electrician certifying that the signal equipment and circuits meet the requirements of section 634.14.

Highway Lighting Quality Control Checklist

Subsection 634.09 Field Testing

Project Pin # _____

Location (if multiple services, please be specific)- _____

Grounding Electrode Resistance at service _____

Number of Circuits _____

Hand-Off-Auto Switch? _____

<u>Circuit #1</u>	
Open Circuit Resistance- (Ohm out both hot legs at the cabinet while they are shorted together at the last pole and the fuse holders are disconnected at each pole)	_____
Megger Test- (Meg out both hot legs to ground at the cabinet while they are shorted together at the last pole and the fuse holders are disconnected at each pole)	_____
Current draw- (during normal operation)	Leg #1 _____ Leg #2 _____
Operating Voltage at last pole	_____

<u>Circuit #2</u>	
Open Circuit Resistance- (Ohm out both hot legs at the cabinet while they are shorted together at the last pole and the fuse holders are disconnected at each pole)	_____
Megger Test- (Meg out both hot legs to ground at the cabinet while they are shorted together at the last pole and the fuse holders are disconnected at each pole)	_____
Current draw- (during normal operation)	Leg #1 _____ Leg #2 _____
Operating Voltage at last pole	_____

I, _____, certify that this work was done in accordance with subsection 643.14 and current NEC _____ guidelines, and when tested, was functioning as intended. (YEAR)

Electrician's Signature _____

Electrician's License # _____