



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

July 1, 2010
Subject: **Township D**
Federal Project No: SB-ME-98(007)
State Pin No: 008670.10
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the bid documents:

In the Bid Book, **REMOVE** the "SCHEDULE OF ITEMS" 9 pages dated 100618 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 9 pages dated 100624.

In the Bid Book, **REMOVE** "Special Provision, Section 203, Excavation and Embankment, (Fracture Rock Subgrade)", 2 pages dated April 23, 2010 and **REPLACE** with the attached "Special Provision, Section 203, Excavation and Embankment, (Shatter Solid Rock Subgrade)", 2 pages dated June 23, 2010.

In the Plans, **CHANGE** all references to "FRACTURING EXISTING SUBGRADE LEDGE" to read "**SHATTER SOLID ROCK SUBGRADE**". Make this change in pen and ink.

In the Plans, SHEET NUMBER 5 OF 74, ESTIMATED QUANTITIES, make the following **CHANGES** in pen and ink;

CHANGE the description for Item 203.213 from "FRACTURING EXISTING SUBGRADE LEDGE" to read "**SHATTER SOLID ROCK SUBGRADE**"

DELETE Item 203.214 – EXPLORATORY DRILLING – 10 - HR

ADD Item 203.216 - EXPLORATORY DRILLING – 10 - HR

In the Plans, SHEET NUMBER 7 OF 74, GENERAL NOTES, note #19. **CHANGE** the third sentence to read as follows; "ANY EXPLORATORY DRILLING NEEDED TO ESTABLISH THE BEDROCK SURFACE WILL BE PAID FOR UNDER ITEM **203.216**." Make this change in pen and ink.

The following questions have been received:

Question: Special Provision, Section 203: Item 203.214, Exploratory Drilling, is listed by the Hour and bid form by the Linear Foot. Can the Bid form be changed to an hour Unit?



PRINTED ON RECYCLED PAPER

Response: Item 203.214 has been eliminated and replaced by item 203.216. Please see the attached new Schedule Of Items.

Question: Item 203.213, Fracturing Existing Subgrade: Can you confirm where will this item be required to be completed to the 7 feet below Subgrade depth? The stationing is clearly 27+25 to 56+25 however, where would the R/L offset of the item?

Example 1: Section 29+50, from +5 to +21?

Example 2: Section 31+00, from +11 to +20?

Example 3: Section 31+50, from +12 to +21?

Response: The limits of subgrade fracturing will be determined during construction using the exploratory drilling item and will include areas where ledge is present in subbase.

Consider this change and information prior to submitting your bid on July 14, 2010.

Sincerely,

A handwritten signature in dark ink, appearing to read "Scott Bickford". The signature is written in a cursive, flowing style.

Scott Bickford
Contracts & Specifications Engineer

MAINE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 1
DATE: 100624
REVISED:

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

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	3.000 AC				
0020	201.23 REMOVING SINGLE TREE TOP ONLY	15.000 EA				
0030	201.24 REMOVING STUMP	15.000 EA				
0040	202.202 REMOVING PAVEMENT SURFACE	14000.000 SY				
0050	202.203 PAVEMENT BUTT JOINTS	670.000 SY				
0060	203.20 COMMON EXCAVATION	12800.000 CY				
0070	203.21 ROCK EXCAVATION	11500.000 CY				
0080	203.211 PRESPLITTING ROCK	1700.000 LF				
0090	203.213 SHATTER SOLID ROCK SUBGRADE	10500.000 SY				
0100	203.215 ROCK SCALING	30.000 HR				

MAINE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 2
DATE: 100624
REVISED:

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	203.216 EXPLORATORY DRILLING	10.000 HR				
0120	203.24 COMMON BORROW	2700.000 CY				
0130	203.242 DIRTY BORROW	625.000 CY				
0140	203.25 GRANULAR BORROW	1000.000 CY				
0150	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	150.000 CY				
0160	304.08 AGGREGATE BASE COURSE - SCREENED	13600.000 CY				
0170	403.207 HOT MIX ASPHALT 19.0 MM HMA	1600.000 T				
0180	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	50.000 T				
0190	403.210 HOT MIX ASPHALT 9.5 MM	1550.000 T				
0200	403.213 HOT MIX ASPHALT 12.5 MM BASE	2150.000 T				
0210	409.15 BITUMINOUS TACK COAT - APPLIED	900.000 G				

MAINE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 3
DATE: 100624
REVISED:

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	20.000 CY				
0230	411.131 STONE DUST SURFACE COURSE	880.000 SF				
0240	525.326 FIELD STONE RETAINING WALL	350.000 SF				
0250	527.3031 ENERGY ABSORBING SYSTEM (ET-PLUS)	3.000 EA				
0260	603.16 15 INCH CULVERT PIPE OPTION I	120.000 LF				
0270	603.17 18 INCH CULVERT PIPE OPTION I	210.000 LF				
0280	603.179 18 INCH CULVERT PIPE OPTION III	410.000 LF				
0290	603.19 24 INCH CULVERT PIPE OPTION I	170.000 LF				
0300	603.199 24 INCH CULVERT PIPE OPTION III	54.000 LF				
0310	603.279 72 INCH CULVERT PIPE OPTION III	76.000 LF				
0320	604.092 CATCH BASIN TYPE B1-C	4.250 EA				

SCHEDULE OF ITEMS

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	604.247 CATCH BASIN TYPE F5-C	1.000 EA				
0340	605.09 6 INCH UNDERDRAIN TYPE B	203.000 LF				
0350	605.12 15 INCH UNDERDRAIN TYPE C	130.000 LF				
0360	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL - 8' POSTS	3200.000 LF				
0370	606.232 GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	175.000 LF				
0380	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2.000 EA				
0390	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	5.000 EA				
0400	606.611 TIMBER GUARDRAIL	360.000 LF				
0410	606.79 GUARDRAIL 350 FLARED TERMINAL	1.000 EA				
0420	608.26 CURB RAMP DETECTABLE WARNING FIELD	48.000 SF				
0430	609.11 VERTICAL CURB TYPE 1	780.000 LF				

MAINE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 5
DATE: 100624
REVISED:

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	4.000 EA				
0450	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	8.000 EA				
0460	610.08 PLAIN RIPRAP	1625.000 CY				
0470	610.10 VEGETATED RIPRAP	250.000 CY				
0480	610.16 HEAVY RIPRAP	1000.000 CY				
0490	610.18 STONE DITCH PROTECTION	475.000 CY				
0500	613.319 EROSION CONTROL BLANKET	900.000 SY				
0510	615.07 LOAM	50.000 CY				
0520	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	89.000 UN				
0530	618.1411 SEEDING METHOD NUMBER 3 - PLAN QUANTITY	82.000 UN				
0540	619.1201 MULCH - PLAN QUANTITY	171.000 UN				

MAINE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 6
DATE: 100624
REVISED:

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0550	619.1301 BARK MULCH	20.000 CY				
0560	619.1401 EROSION CONTROL MIX	140.000 CY				
0570	620.54 STABILIZATION GEOTEXTILE	1000.000 SY				
0580	620.58 EROSION CONTROL GEOTEXTILE	1400.000 SY				
0590	621.101 PLUG/ STARTER PLANT	2000.000 EA				
0600	621.387 DWARF EVERGREENS (8 INCH - 12 INCH)	50.000 EA				
0610	621.388 DWARF EVERGREENS (12 INCH - 15 INCH)	50.000 EA				
0620	621.51 HYBRID RHODODENDRON (15 INCH - 18 INCH)	250.000 EA				
0630	621.511 HYBRID RHODODENDRON (18 INCH - 24 INCH)	280.000 EA				
0640	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	100.000 EA				
0650	621.71 HERBACEOUS PERENNIALS GROUP A	600.000 EA				

SCHEDULE OF ITEMS

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0660	621.713 HERBACEOUS PERENNIALS & GROUND COVER	650.000 EA				
0670	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
0680	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			
0690	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR				
0700	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	5.000 HR				
0710	631.11 AIR TOOL (INCLUDING OPERATOR)	5.000 HR				
0720	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR				
0730	631.132 SMALL BULLDOZER (INCLUDING OPERATOR)	10.000 HR				
0740	631.14 GRADER (INCLUDING OPERATOR)	10.000 HR				
0750	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	10.000 HR				
0760	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	40.000 HR				

SCHEDULE OF ITEMS

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	20.000 HR				
0780	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	20.000 HR				
0790	631.22 FRONT END LOADER (INCLUDING OPERATOR)	10.000 HR				
0800	639.19 FIELD OFFICE TYPE B	1.000 EA				
0810	652.33 DRUM	100.000 EA				
0820	652.34 CONE	100.000 EA				
0830	652.35 CONSTRUCTION SIGNS	900.000 SF				
0840	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	240.000 CD				
0850	652.38 FLAGGER	2900.000 HR				
0860	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0870	659.10 MOBILIZATION	LUMP	LUMP			

SCHEDULE OF ITEMS

CONTRACT ID: 008670.10

PROJECT(S): SB-ME-98(007)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0880	660.21 ON-THE-JOB TRAINING (BID)	1000.000 HR				
	SECTION 0001 TOTAL					
	TOTAL BID					

Special Provision
Section 203
Excavation and Embankment
(Shatter Solid Rock Subgrade)

Standard Specification Section 203.17 Preparation and Protection of Subgrade shall be amended as follows:

Shatter Solid Rock Subgrade. Subgrade areas shall be shattered to the dimensions shown on the Plans or directed by the Resident.

The area of blasted rock subgrade shall extend sufficiently beyond the beginning and end of cut areas to ensure the shattering of all rock to a depth of 7 feet below subgrade elevation to eliminate water pockets.

After detonation, any rock that protrudes above the subgrade elevation shall be removed. When directed by the Resident, the Contractor shall excavate a trench across the blasted rock to determine if the rock is broken and rearranged to a depth of 7 feet below subgrade. Afterwards, the trench shall be backfilled with the rock removed.

Method of Measurement. The quantity of Shatter Solid Rock Subgrade to be measured for payment will be the number of square yards of subgrade plan area drilled and detonated in accordance with this Section, measured at subgrade level.

The number of cubic yards of excavation required by the Resident to inspect the depth of shattered and rearranged rock, computed at a maximum width of 30 inches will be measured for payment as Equipment Rental.

When Structural Rock Excavation – Drainage and Minor Structures, and Shatter Solid Rock Subgrade occur at the same location, measurement and payment for Structural Rock Excavation - Drainage and Minor Structures will be made for the required trench. This area will not be included in the measurement and payment for Shatter Solid Rock Subgrade.

If exploratory drilling to determine the final extent of fracturing is required, it will be paid for by the hour to the nearest ¼ hour, under Pay Item 203.216, Exploratory Drilling.

Basis of Payment. The accepted quantities as measured will be paid for at the Contract unit price per square meter (square yard) for the specified Contract items. Payment will be full compensation for performing the work specified including any necessary stripping of rock below subgrade, the removal of blasted subgrade rock that may swell above subgrade, and its disposition on the project as directed by the Resident.

Excavation and backfill required to inspect the depth of broken rock below subgrade will be paid for at the Contract price for Equipment Rental.

The quantities in the contract are only an estimate; final quantities will be determined during construction. There will be no adjustment in the contract price for difference between the estimated and the actual quantities involved.

Payment will be made under:

Pay Item

203.213 Shatter Solid Rock Subgrade
203.216 Exploratory Drilling

Pay Unit

Square yard
Hour