



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

JOHN ELIAS BALDACCI
 GOVERNOR

DAVID A. COLE
 COMMISSIONER

November 19, 2010
 Subject: **Wells**
 Federal Project No: NH-7998(10)E
 State Pin No: 007998.10
Amendment No. 2

Dear Sir/Ms:

Make the following changes to the bid Documents:

In the Bid Book (page 1), NOTICE TO CONTRACTORS, CHANGE the “basis of award to read as follows;

“The basis of award will be Section 0001 plus the chosen option”

Make this change in pen and ink.

In the Bid Book (pages 4 thru 14), REMOVE the “SCHEDULE OF ITEMS” 11 pages dated 101025 and REPLACE with the attached new “SCHEDULE OF ITEMS” 11 pages dated 101118.

In the Bid Book, after page 94, ADD the attached ”SPECIAL PROVISION, SECTION 504, CONCRETE PIPE TIES”, 1 page dated January 26, 2009.

In the Bid Book, after page 98, ADD the attached ”SPECIAL PROVISION, SECTION 603, PIPE CULVERTS AND STORM DRAINS”, 1 page dated November 16, 2010.

In the Plans, SHEET NO. 7 of 153; DELETE in its entirety the “ESTIMATED QUANTITIES” portion of the sheet. Make this change in pen and ink. NOTE: A new updated Estimated Quantities plan sheet has been attached. This plan sheet will not be sent by any other method.

In the Plans, SHEET NO. 11 of 153, GENERAL NOTES, ADD the following notes in pen and ink;

“45. All Fence Removal and Stone Wall Removals referenced on the Plans Sheets will be incidental to item 203.20 Common Excavation.

46. Roadway cross culverts shall consist of reinforced concrete pipe (RCP) only, unless otherwise specified or directed by the Resident Engineer.

47. Removal and disposal of existing drainage as shown on the plans or directed by the Resident Engineer shall be incidental to 603 items.”



PRINTED ON RECYCLED PAPER

In the Plans, SHEET NO. 21 of 153, **DELETE** in its entirety the informational box titled “CONSTRUCT PAVED DRIVE” containing stations 21+534 LT, 21+534 RT, 21+578 RT, 21+590 RT. Make this change in pen and ink.

In the Plans, SHEET NO. 23 of 153, bottom left hand corner, **CHANGE** “ITEM 504.069 CONCRETE PIPE TIES” to read “ITEM 504.70 CONCRETE PIPE TIES”. Make this change in pen and ink.

In the Plans, SHEET B1 OF B7, ESTIMATED QUANTITIES, **CHANGE** the “QUANTITY” and “UNIT” for Item 502.49 – Structural Concrete Curbs and Sidewalks from “3.5 M3” to read “1 LS”. Make this change in pen and ink.

The following questions have been received:

Question: After reviewing the plans and visiting the site we are questioning the bid quantity of 19.5 HA for item 201.11 “clearing”. Can you please verify this quantity?

Response: 1.9 HA is correct; please see the attached new Schedule of Items.

Question: Should the bid quantities for items 206.061 and 206.082 be changed?

Response: Please see the attached new Schedule of Items.

Question: At approximate station 22+030 the plans and cross sections call for installation of a 450MM RCP Class III culvert. There is no pay item for 450MM RCP. Will this culvert be paid under item 603.179 450MM Culvert Pipe Option III?

Response: Please see the attached new Schedule of Items.

Question: Reference Plan Sheet 16, will CMP bring power to the newly installed pole/Service?

Response: FairPoint will set pole “B” and CMP will supply power to pole “A”.

Question: Reference Plan Sheet 16, who will install the utility pole labeled “B”? Will they allow us to hang signals off this pole?

Response: FairPoint will set pole “B” and CMP will supply power to pole “A”. Signals will be allowed to be attached to poles “A” and “B”.

Question: Please confirm the Clearing quantity of 19.5 HA. My takeoff quantities are significantly less.

Response: 1.9 HA is correct; please see the attached new Schedule of Items.

Question: As indicated on the Notice To Contractors, the basis of award will be Section 0001. With the significant coat associated with either Option, one of which has to be performed, don't you think that this is an invitation for an unbalanced bid?

Response: The basis of award has been changed to Section 0001 plus the Contractor's chosen Option. Please see the above pen and ink change.

Question: Item 202.191 – Remove Existing Pipe has no special provision and the plans do not address specific pipe removal. In the past pipe removal was incidental to the new pipe items. Please clarify

Response: The remove pipe item can only be used where there is no new pipe replacing the old pipe. Otherwise it's incidental by Standard Spec.

Question: The estimated quantities show only 340 Hrs for item 652.38 Flagger, is this item correct?

Response: The quantity for item 652.38 Flagger has been changed to 10000.00 Hrs. Please see the above change to the Schedule Of Items.

Question: Plan Sheet 20 & 21 indicate an item 604.182 – Cleaning Existing Catch Basins, There is no bid item reflecting such.

Response: Item 604.182 – Cleaning Existing Catch Basins has been added, please see the new attached Schedule of Items.

Question: Sheet 23 of 153, Item 504.069 – Concrete Pipe Ties – No bid item?

Response: Item 504.07 - Concrete Pipe Ties, has been added (changed from 504.069), please see the new attached Schedule of Items.

Question: Based on the rim and invert elevations provided on the cross sections it appears that a majority of the Type F basins will have a minimum 600 mm sump which is a deviation from the standard of 300 mm. Is this correct?

Response: The standard 300mm sump should be used for all F-Basins.

Question: Bid Items 643.60 – Demount Guide Sign and 645.103 – Demount Regulatory, Warning ... Sign have the same quantities as bid items 645.113 – Reinstall Guide Sign and 645.116 Reinstall Demount Regulatory, Warning ... Sign. Is this a coincidence?

Response: The intent was to utilize the existing signage within the project limits. The Department determined that to simplify the traffic signage, Items 645.113 & 645.116 descriptions were changed to the following...

- Item 645.113 description was changed to read “Reinstall Guide Signs”
- Item 645.116 description was changed to read “Reinstall Regulatory, Warning, Confirmation and Route Marker Assembly Signs”

And

Items 645.103, 645.106, 645.108, 645.161, 645.281 were deleted. Please see the attached new Schedule of Items.

Consider these changes and information prior to submitting your bid on **November 24, 2010.**

Sincerely,



Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)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	1.900 HA				
0020	201.23 REMOVING SINGLE TREE TOP ONLY	43.000 EA				
0030	201.24 REMOVING STUMP	51.000 EA				
0040	202.17 REMOVING EXISTING STRUCTURAL CONCRETE	LUMP	LUMP			
0050	202.191 REMOVING EXISTING PIPE	LUMP	LUMP			
0060	202.203 PAVEMENT BUTT JOINTS	315.000 M2				
0070	203.21 ROCK EXCAVATION	300.000 M3				
0080	203.2318 DISPOSAL OF SPECIAL WASTE	100.000 MG				
0090	203.25 GRANULAR BORROW	130.000 M3				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	3150.000 M3				
0110	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	25.000 M3				
0120	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	100.000 M3				
0130	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	16200.000 M3				
0140	403.208 HOT MIX ASPHALT 12.5 MM, SURFACE	4550.000 MG				
0150	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	420.000 MG				
0160	403.211 HOT MIX ASPHALT (SHIM)	5.000 MG				
0170	409.15 BITUMINOUS TACK COAT APPLIED	5300.000 L				
0180	411.12 CRUSHED STONE SURFACE	15.000 MG				
0190	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	2.000 M3				
0200	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	605.000 KG				
0220	503.13 REINFORCING STEEL, PLACING	605.000 KG				
0230	504.07 CONCRETE PIPE TIES	2.000 GP				
0240	508.13 MEMBRANE WATERPROOFING	LUMP	LUMP			
0250	511.07 COFFERDAM: CULVERT	LUMP	LUMP			
0260	511.07 COFFERDAM: ROADWAY	LUMP	LUMP			
0270	512.081 FRENCH DRAINS	LUMP	LUMP			
0280	515.20 PROTECTIVE COATING FOR CONCRETE SURFACES	100.000 M2				
0290	534.71 PRECAST CONCRETE BOX CULVERT	LUMP	LUMP			
0300	603.159 300 MM CULVERT PIPE OPTION III	40.000 M				
0310	603.16 375 MM CULVERT PIPE OPTION I	56.000 M				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	603.175 450 MM RCP CLASS III	32.000 M				
0330	603.179 450 MM CULVERT PIPE OPTION III	216.000 M				
0340	603.199 600 MM CULVERT PIPE OPTION III	83.000 M				
0350	603.219 900 MM CULVERT PIPE OPTION III	23.000 M				
0360	604.072 CATCH BASIN TYPE A1-C	3.000 EA				
0370	604.092 CATCH BASIN TYPE B1-C	68.000 EA				
0380	604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE	5.000 EA				
0390	604.248 CATCH BASIN TYPE F6	3.000 EA				
0400	604.249 CATCH BASIN TYPE F6-C	1.000 EA				
0410	604.2494 CATCH BASIN TYPE F7-C	3.000 EA				
0420	604.2495 CATCH BASIN TYPE F8-C	3.000 EA				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0430	604.262 CATCH BASIN TYPE B5-C	3.000 EA				
0440	605.09 150 MM UNDERDRAIN TYPE B	1945.000 M				
0450	605.10 150 MM UNDERDRAIN OUTLET	40.000 M				
0460	605.11 300 MM UNDERDRAIN TYPE C	1564.000 M				
0470	605.12 375 MM UNDERDRAIN TYPE C	51.000 M				
0480	605.13 450 MM UNDERDRAIN TYPE C	413.000 M				
0490	605.15 600 MM UNDERDRAIN TYPE C	438.000 M				
0500	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	210.000 M				
0510	606.232 GUARDRAIL TYPE 3C - OVER 4.5 M RADIUS	25.000 M				
0520	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1.000 EA				
0530	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	18.000 EA				

SCHEDULE OF ITEMS

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PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	606.356 UNDERDRAIN DELINEATOR POST	4.000 EA				
0550	606.74 GUARDRAIL TYPE 3 - SINGLE RAIL BRIDGE MOUNTED	15.500 M				
0560	606.753 WIDEN SHOULDER FOR LOW VOLUME END	1.000 EA				
0570	606.78 LOW VOLUME GUARDRAIL END - TYPE 3	1.000 EA				
0580	606.79 GUARDRAIL 350 FLARED TERMINAL	3.000 EA				
0590	609.31 CURB TYPE 3	4350.000 M				
0600	609.34 CURB TYPE 5	90.000 M				
0610	609.35 CURB TYPE 5 - CIRCULAR	3.000 M				
0620	610.08 PLAIN RIPRAP	65.000 M3				
0630	610.11 STONE BLANKET	55.000 M3				
0640	610.16 HEAVY RIPRAP	125.000 M3				

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0650	613.319 EROSION CONTROL BLANKET	M2 1160.000				
0660	615.07 LOAM	M3 1160.000				
0670	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	UN 164.000				
0680	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	UN 150.000				
0690	618.1411 SEEDING METHOD NUMBER 3 - PLAN QUANTITY	UN 22.000				
0700	619.12 MULCH	UN 350.000				
0710	620.58 EROSION CONTROL GEOTEXTILE	M2 150.000				
0720	620.60 SEPARATION GEOTEXTILE	M2 35.000				
0730	627.18 300 MM SOLID WHITE PAVEMENT MARK LINE	M 85.000				
0740	627.733 100 MM WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	M 13000.000				
0750	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	M2 45.000				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT		
			DOLLARS	CTS	DOLLARS	CTS	
0760	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP				
0770	629.05 HAND LABOR, STRAIGHT TIME	1440.000 HR					
0780	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	20.000 HR					
0790	631.11 AIR TOOL (INCLUDING OPERATOR)	20.000 HR					
0800	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR					
0810	631.132 SMALL BULLDOZER (INCLUDING OPERATOR)	20.000 HR					
0820	631.14 GRADER (INCLUDING OPERATOR)	20.000 HR					
0830	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR					
0840	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	20.000 HR					
0850	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	20.000 HR					
0860	631.22 FRONT END LOADER (INCLUDING OPERATOR)	20.000 HR					

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0870	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR				
0880	639.18 FIELD OFFICE TYPE A	1.000 EA				
0890	643.60 FLASHING BEACON AT:	LUMP	LUMP			
0900	645.113 REINSTALL GUIDE SIGN	30.000 EA				
0910	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	39.000 EA				
0920	652.33 DRUM	40.000 EA				
0930	652.34 CONE	65.000 EA				
0940	652.35 CONSTRUCTION SIGNS	61.000 M2				
0950	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP			
0960	652.38 FLAGGER	10000.000 HR				
0970	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0980	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0990	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	35.000 M2				
1000	659.10 MOBILIZATION	LUMP	LUMP			
1010	660.21 ON-THE-JOB TRAINING (BID)	2000.000 HR				
SECTION 0001 TOTAL						.

SECTION 0002 PAVEMENT OPTION 1 - NO RECYCLED

1020	203.20 COMMON EXCAVATION	27833.000 M3				
1030	304.09 AGGREGATE BASE COURSE - CRUSHED	9600.000 M3				
1040	403.207 HOT MIX ASPHALT 19.0 MM NOMINAL MAX SIZE	7500.000 MG				
1050	403.213 HOT MIX ASPHALT 12.5 MM, BASE	4450.000 MG				
SECTION 0002 TOTAL						.

SECTION 0003 PAVEMENT OPTION 2 - WITH RECYCLED

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 007998.10

PROJECT(S): NH-7998(10)E

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1060	203.20 COMMON EXCAVATION	24603.000 M3				
1070	304.09 AGGREGATE BASE COURSE - CRUSHED	6850.000 M3				
	310.23 PLANT MIX					
1080	RECYCLED ASPHALT PAVEMENT - 75 MM DEPTH	38200.000 M2				
1090	310.24 PLANT MIX RECYCLED ASPHALT PAVEMENT - 100 MM DEPTH	7900.000 M2				
1100	403.213 HOT MIX ASPHALT 12.5 MM, BASE	9200.000 MG				
	SECTION 0003 TOTAL					
	TOTAL BID					

SPECIAL PROVISION
SECTION 504
CONCRETE PIPE TIES

Description This work shall consist of furnishing and installing concrete pipe ties in conformance with the Standard Details.

Materials All materials shall meet the requirements shown in the Standard Details.

Method of Measurement Concrete pipe ties shall be measured per Group (2 ties per Group).

Basis of Payment The accepted quantity of concrete pipe ties will be paid for at the contract unit price per Group. Such payment will be full compensation for furnishing, installing, and all other necessary incidentals for satisfactory completion of the work. Any grout or mortar necessary to repair chipping shall be incidental to the installation of the pipe ties.

<u>Pay Item</u>	<u>Pay Unit</u>
504.07 Concrete Pipe Ties	Group

Wells
7998.10
November 16, 2010

SPECIAL PROVISION
SECTION 603
PIPE CULVERTS AND STORM DRAINS
(Culvert Pipe Option III)

Roadway cross culverts shall be reinforced concrete pipe (RCP) only, unless otherwise directed by the Resident Engineer.

METRIC

1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH - 1998101E	7	153

PIN 7998.10

ITEM NO.	ITEM DESCRIPTION	OPTION 1: ALL HMA	UNIT	OPTION 2: PMRAP
201.11	CLEARING	1.9	HA	1.9
201.23	REMOVING SINGLE TREE TOP ONLY	43.0	EA	43.0
201.24	REMOVING STUMP	51.0	EA	51.0
202.191	REMOVING EXISTING PIPE	1.0	LS	1.0
202.203	PAVEMENT BUTT JOINTS	315.0	M2	315.0
203.2	COMMON EXCAVATION	27833.0	M3	24603.0
203.21	ROCK EXCAVATION	300.0	M3	300.0
203.2318	DISPOSAL OF SPECIAL WASTE	100.0	MG	100.0
203.25	GRANULAR BORROW	50.0	M3	50.0
206.061	STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES BELOW GRADE	3150.0	M3	3150.0
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	25.0	M3	25.0
304.09	AGGREGATE BASE COURSE-CRUSHED (TYPE A)	9600.0	M3	6850.0
304.1	AGGREGATE SUBBASE COURSE-GRAVEL	16200.0	M3	16200.0
310.23	PLANT MIX RECYCLED ASPHALT PAVEMENT - 75mm	---	M2	38200.0
310.24	PLANT MIX RECYCLED ASPHALT PAVEMENT - 100mm	---	M2	7900.0
403.207	HOT MIX ASPHALT, 19.0mm NOMINAL MAXIMUM SIZE	7500.0	MG	0.0
403.208	HOT MIX ASPHALT, 12.5mm NOMINAL MAXIMUM SIZE, SURFACE	4550.0	MG	4550.0
403.211	HOT MIX ASPHALT, 9.5mm NOMINAL MAXIMUM SIZE, SURFACE	420.0	MG	420.0
403.213	HOT MIX ASPHALT, 12.5mm NOMINAL MAXIMUM SIZE, BASE	5.0	MG	5.0
409.15	BITUMINOUS TACK COAT APPLIED	4450.0	MG	9200.0
411.12	2" CRUSHED STONE SURFACE	5300.0	L	5300.0
504.07	CONCRETE PIPE TIES	15.0	MG	15.0
603.159	300mm CULVERT PIPE, OPTION III	2.0	GP	2.0
603.16	375mm CULVERT PIPE, OPTION III	58.0	M	58.0
603.175	450mm RCP CLASS III	56.0	M	56.0
603.179	450mm CULVERT PIPE, OPTION III	32.0	M	32.0
603.199	600mm CULVERT PIPE, OPTION III	216.0	M	216.0
603.219	900mm CULVERT PIPE, OPTION III	83.0	M	83.0
604.072	CATCH BASIN TYPE A1-C	23.0	M	23.0
604.092	CATCH BASIN TYPE B1-C	3.0	EA	3.0
604.182	CLEAN EXISTING CATCH BASIN	68.0	EA	68.0
604.248	CATCH BASIN TYPE F6	5.0	EA	5.0
604.249	CATCH BASIN TYPE F6-C	1.0	EA	1.0
604.2494	CATCH BASIN TYPE F7-C	3.0	EA	3.0
604.2495	CATCH BASIN TYPE F8-C	3.0	EA	3.0
604.262	CATCH BASIN TYPE B5-C	3.0	EA	3.0
605.09	150mm UNDERDRAIN TYPE B	1945.0	M	1945.0
605.1	150mm UNDERDRAIN OUTLET	40.0	M	40.0
605.11	300mm UNDERDRAIN TYPE C	1564.0	M	1564.0
605.12	375mm UNDERDRAIN TYPE C	51.0	M	51.0
605.13	450mm UNDERDRAIN TYPE C	413.0	M	413.0
605.15	600mm UNDERDRAIN TYPE C	438.0	M	438.0
606.23	GUARDRAIL TYPE 3C SINGLE RAIL	210.0	M	210.0
606.232	GR T1 3C - OVER 4.5 M RADIUS	25.0	M	25.0
606.265	TERM END - SGL RAIL - GALV STEEL	1.0	EA	1.0
606.353	REFLECTORIZED GUARD RAIL MARKERS	18.0	EA	18.0
606.356	UNDERDRAIN DELINEATOR POST	4.0	EA	4.0
606.753	WIDEN SHOULDER FOR LOW VOLUME END	1.0	EA	1.0
606.78	LOW VOLUME GUARDRAIL END - TYPE 3	1.0	EA	1.0
606.79	GUARDRAIL 350 FLARED TERMINAL	3.0	EA	3.0
609.31	CURB TYPE 3	4350.0	M	4350.0
609.34	CURB TYPE 5	90.0	M	90.0
609.35	CURB TYPE 5 - CIRCULAR	3.0	M	3.0
610.08	PLAIN RIPRAP	65.0	M3	65.0
613.319	EROSION CONTROL BLANKET	1160.0	M2	1160.0
615.07	LOAM	1720.0	M3	1720.0
618.1301	SEEDING METHOD NUMBER 1 - PLAN QUANTITY	164.0	UN	164.0
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	150.0	UN	150.0
618.1411	SEEDING METHOD NUMBER 3 - PLAN QUANTITY	22.0	UN	22.0
619.12	MULCH	350.0	UN	350.0
627.18	300mm SOLID WHITE PAVEMENT MARKING LINE	85.0	M	85.0
627.23	WHITE OR YELLOW PAVEMENT MARKING LINE - PLAN QUANTITY	13000.0	M	13000.0
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	45.0	M2	45.0
627.76	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	1.0	LS	1.0
629.05	HAND LABOR, STRAIGHT TIME	1440.0	HR	1440.0
631.1	AIR COMPRESSOR (INCLUDING OPERATOR)	20.0	HR	20.0
631.11	AIR TOOL (INCLUDING OPERATOR)	20.0	HR	20.0
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.0	HR	20.0
631.132	SMALL BULLDOZER (INCLUDING OPERATOR)	20.0	HR	20.0
631.14	GRADER (INCLUDING OPERATOR)	20.0	HR	20.0
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	20.0	HR	20.0
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	20.0	HR	20.0
631.2	STUMP CHIPPER RENTAL (INCLUDING OPERATOR)	20.0	HR	20.0
631.22	FRONT END LOADER (INCLUDING OPERATOR)	20.0	HR	20.0
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	10.0	HR	10.0
639.18	FIELD OFFICE TYPE A	1.0	EA	1.0
643.6	FLASHING BEACON AT CREDIFORD BRANCH	1.0	LS	1.0
645.113	REMOVE AND RESET GUIDE SIGNS	30.0	EA	30.0
645.116	REMOVE AND RESET REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS	39.0	EA	39.0
652.33	DRUM	40.0	EA	40.0
652.34	CONE	65.0	EA	65.0
652.35	CONSTRUCTION SIGNS	61.0	M2	61.0
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1.0	LS	1.0
652.38	FLAGGER	10000.0	HR	10000.0
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	2.0	EA	2.0
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1.0	LS	1.0
658.2	ACRYLIC LATEX FINISH, GREEN	35.0	M2	35.0
659.1	MOBILIZATION	1.0	LS	1.0
660.21	ON-THE-JOB TRAINING	200	HR	200

* UNDETERMINED LOCATIONS

PROJECT DESIGN ENGINEER	DATE
BY	10/27/2010
DESIGN-DETAILED	10/27/2010
CHECKED	AG
REVISIONS	FKM
FIELD CHANGES	11/17/2010

Filename: ... \e\p\nset\007_est\mte001.dgn Division: (WKGRP) Username: (WIN_USERNAME) Date: 11/18/2010

OPTION 2: PMRAP

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	22,088
EARTH FROM DRIVES, OLD ROAD, ETC.	1,445
GRUBBING IN FILL	1,061
PAVEMENT SALVAGE IN FILL	9
TOTAL COMMON EXCAVATION	<u>27,833</u>

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	4,681
GRUBBING IN FILL	1,061
PAVEMENT SALVAGE IN FILL	9
TOTAL FILL	<u>5,751</u>

OPTION 1: ALL HMA

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

DEDUCTIONS:

GRUBBING IN CUT	486
GRUBBING IN FILL	1,061
PAVEMENT SALVAGE (CUT & FILL)	3,209
TOTAL DEDUCTIONS	<u>4,756</u>

(2) TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)

TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)	3,150
TOTAL AVAILABLE NON-ROCK EXCAVATION	26,227
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	<u>23,077</u>

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

GRUBBING IN CUT	486
GRUBBING IN FILL	1,061
TOTAL WASTE MATERIAL TO BE WASTED	<u>1,547</u>

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3) TOTAL FILL

TOTAL AVAIL. NON-ROCK EXCAV.	26,227 x 0.85 =	22,293
(4) TOTAL AVAILABLE EXCAVATION	=	22,293
SURPLUS AVAILABLE EXCAVATION	=	16,542
TOTAL AVAILABLE EXCAVATION MINUS TOTAL FILL		<u>16,542</u>

TOTAL SURPLUS MATERIAL = SURPLUS AVAILABLE EXCAVATION PLUS TOTAL WASTE MATERIAL TO BE WASTED

SURPLUS MATERIAL =	18089	m3
SURPLUS MATTL =	18063	m3
TOTAL SURPLUS MATERIAL TO BE WASTED	<u>18,089</u>	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES

WELLS
ROUTE 109