



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

October 18, 2007
Subject: **Dixfield**
Project No. NH-1001(500)E
Pin No. 010015.00
Amendment No. 1

Dear Sir/Ms:

Please make the following changes to the Bid Documents.

In the Bid Book, on the: "Notice to Contractors" page, in the first paragraph, within the first sentence CHANGE the bid opening date from **October 24, 2007** to **October 31, 2007**. Make this change in pen and ink.

In the: "Schedule of Items" nine pages total, on page one (page three of the book) under item "203.20 Common Excavation" CHANGE the quantity from 55,000 to 52,000. Make this change in pen and ink.

In the Plan Sheets, REMOVE the existing sheet four of one hundred thirty-six titled: "Estimated Quantities & Earthwork Summary" and REPLACE with the attached updated: "Estimated Quantities & Earthwork Summary".

On sheet six of one hundred thirty-six titled: "General Notes" under the General Notes DELETE in its entirety note number 38 that begins: "Payment for pavement removal...". Make this change in pen and ink.

On sheet six of one hundred thirty-six titled: "General Notes" under the General Notes, DELETE in its entirety the existing note number 39A that begins: "All existing pavement for..." and REPLACE with the following: "All existing pavement for the project must be removed with a milling machine. If pavement alternate #1 is selected, all millings shall be delivered to the Maine DOT Dixfield Regional Office. If pavement alternate #2 is selected, any excess millings after the PMRAP process shall be delivered to the Maine DOT Dixfield Regional Office. The contractor will be allowed to keep an amount of millings not to exceed 15% of the new HMA provided recycled asphalt pavement is used in the new HMA. Payment for milling and all work associated with the delivery of the material will be considered incidental to related contract items." Make this change in pen and ink.



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On sheet eleven of one hundred thirty-six titled: "Hannaford Bridge over Newton Brook"
ADD the following:

STRUCTURAL PLATE PIPE ARCH NOTES

1. One 6248 mm span by 3962 mm rise Steel Structural Plate Pipe Arch required. Top plates shall be 4.77 mm, bottom and corner plates shall be 5.54 mm.
2. Ends shall be cut on a 1:1.75 bevel normal to the end skew shown on the details.
3. Granular borrow shall meet the requirements of Subsection 703.19, Material for Underwater Backfill.
4. Riprap adjacent to the pipe shall be carefully placed so as not to damage the pipe arch and so that the finished slope will match the ends of the pipe. Any extra labour, material or equipment used will be considered incidental to Item 509.55. Any damage done to the structure during construction shall be repaired or replaced at the Contractor's expense, as determined by the Resident.
5. Place a .6 m wide temporary erosion control blanket along the top of the riprap and over the pipe arch. Typical at both ends of pipe arch.
6. The approximate weight of the pipe arch is 35000 kg.
Make these changes in pen and ink.

On sheet nineteen of one hundred thirty-six, in the statement: "Guardrail Thrie Beam – 4.5m Radius or less STA 4+588.3 to 4+593.3 LT" CHANGE it to read: "Guardrail Type 3C – over 4.5 m radius STA 4+588.3 to 4+593.3 LT". Make this change in pen and ink.

The following questions have been received.

Question: General note #38 states that the quantity for pavement removal is listed in the Earthworks Summary, but I am unable to find it. Please clarify quantity.

Response: See changes made earlier in this amendment deleting note 38 and revising note 39A.

Question: Is the cert. payroll for roller operators for paving or earth rollers?

Response: All rollers are equally paid.

Question: Please supply more information regarding the surcharge between Sta. 5+210 & 5+310? (re: thickness, footprint) – Also not shown at all in cross-sections.

Response: The surcharge will consist of the embankment as shown on the plans. It will be constructed with the settlement plates shown in the special detail and allowed to settle for the specified period of 3 months or until the anticipated settlement of 200 mm has occurred, whichever comes first. After the settlement period, additional fill will be placed to bring the area back up to design grade.

Question: How is traffic supposed to use roadway between Sta. 5+210 & 5+310 while surcharge is in place?

Response: Traffic will run on top of the embankment.

Question: In the blueprints, sheet 19 calls for radius Thrie Beam, but there is no item for Thrie Beam radius?

Response: See change made earlier in this amendment to plan sheet nineteen.

Question: Existing pavement removal is incidental to item #310.24 in alternate #2. In which item should the removal of existing pavement be included for alternate #1?

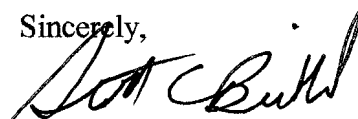
Response: The pavement removal cost is incidental to related contract items.

Question: Do excavation quantities computed in cross sections include the existing pavement?

Response: The excavation quantities in the cross sections include the existing pavement. The item #203.20 common excavation does not include the existing pavement in the schedule of items.

Consider these changes and information prior to submitting your bid on October 31, 2007.

Sincerely,



Scott Bickford

Contracts & Specifications Engineer

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	3.4	HA
201.23	REMOVING SINGLE TREE TOP ONLY	7	EA
201.24	REMOVING STUMP	7	EA
202.19	REMOVING EXISTING BRIDGE (220 m ²)	1	LS
203.20	COMMON EXCAVATION	52000	m ³
203.21	ROCK EXCAVATION	1350	m ³
203.24	DIRTY BORROW	2200	m ³
203.25	GRANULAR BORROW	860	m ³
206.061	STR EARTH BELOW GRADE STR	50	m ³
203.2318	DISPOSAL OF SPECIAL WASTE	50	MG
206.07	STR ROCK EXC - DR & MINOR STR	100	m ³
304.10	AGGR SUBB COURSE - GRAVEL	1200	m ³
403.208	HOT MIX ASPHALT 12.5 mm SURFACE	3600	MG
403.209	HOT MIX ASPHALT 9.5 mm (INCH)	240	MG
409.15	BITUMINOUS TACK COAT APPLIED	7700	L
509.12	STEEL STR PL PIPE ARCH (35000 KG)	1	LS
510.10	SPEC. DET. 4.2 (m) RD WIDTH	1	LS
511.07	COFFERDAM-UPSTREAM	1	LS
511.07	COFFERDAM-DOWNSTREAM	1	LS
527.3031	ENERGY ABSORBING SYSTEM (LET-PLUS)	2	EA
603.159	300 mm CULVERT PIPE OPTION III	27	m
603.16	375 mm CULVERT PIPE OPTION I	63	m
603.17	450 mm CULVERT PIPE OPTION I	56	m
603.175	450 mm RCP CLASS III	20	m
603.179	450 mm CULVERT PIPE OPTION III	39	m
603.19	600 mm CULVERT PIPE OPTION I	67	m
603.195	600 mm RCP CLASS III	135	m
603.21	900 mm CULVERT PIPE OPTION I	14	m
603.215	900 mm RCP CLASS III	24	m
603.225	1050 mm RCP CLASS III	70	m
604.092	CATCH BASIN TYPE B-C	5	EA
605.09	150 mm UNDERDRAIN TYPE B	270	m
605.11	300 mm UNDERDRAIN TYPE C	135	m
606.23	GR TY 3C - SINGLE RAIL	970	m
606.232	GR TY 3C - OVER 4.5 m RADIUS	55	m
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	22	EA
606.356	UNDERDRAIN DELINEATOR	3	EA
606.47	SINGLE WOOD POST	6	EA
606.78	LOW VOLUME GUARDRAIL END - TYPE 3	2	EA
606.79	GUARDRAIL 350 FLARED TERMINAL	9	EA
607.17	CHAIN LINK FENCE - 1.8 m	88	m
607.32	BRAC ASSEM TP I METAL POST	2	EA
607.33	BRAC ASSEM TP II METAL POST	1	EA
609.31	CURB TYPE 3	440	m
610.08	PLAIN RIPRAP	400	m ³
610.16	HEAVY RIPRAP	500	m ³
610.18	STONE DITCH PROTECTION	55	m ³
610.210	RIVER STONES	50	m ³
610.212	STREAM CHANNEL SAND	100	m ³
613.319	EROSION CONTROL BLANKET	2800	m ²
615.07	LOAM	110	m ³
618.101	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	270	UN
618.141	SEEDING METHOD NUMBER 3 - PLAN QUANTITY	180	UN
619.1201	MULCH - PLAN QUANTITY	450	UN
619.1301	BARK MULCH - PLAN QUANTITY	30	m ³
620.54	STABILIZATION GEOTEXTILE	1450	m ²
620.58	EROSION CONTROL GEOTEXTILE	2200	m ²
621.396	DWF EVERGREENS (450 mm - 600 mm) GP B	250	EA
627.711	WH OR YELL PAINT PVMT MKR LINE (PL QUAN)	9000	m
627.76	TEMPORARY PVMT MARK LINE: W OR YELLOW	1	LS
629.05	HAND LABOR, STRAIGHT TIME	100	HR
631.0	AIR COMPRESSOR (INC OPERATOR)	25	HR
631.11	AIR TOOL (INC OPERATOR)	25	HR
631.12	ALL-PURPOSE EXC (INC OPERATOR)	50	HR
631.172	TRUCK-LARGE (INC OPERATOR)	25	HR
631.22	FRONT END LOADER (INC OPERATOR)	25	HR
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	100	EA
652.34	CONE	100	EA
652.35	CONSTRUCTION SIGNS	70	m ²
652.36	MAINT OF TRAFF CONTROL DEV	390	CD
652.38	FLAGGER	7500	HR
652.41	PORTABLE - CHANGE MESSAGE SIGN	2	EA
656.75	TEMP. SOIL EROSION AND WATER POLLUTION	1	LS
659.10	MOBILIZATION	1	LS
660.21	ON-THE-JOB TRAINING (BID)	2000	HR

EARTHWORK SUMMARY

DESCRIPTION	QUANTITY	UNIT
COMMON EXCAVATION FOR ESTIMATE		
COMMON EXCAVATION (FROM CROSS SECTION)	49,114	m ³
EARTH FROM DRIVES, OLD ROAD, ETC.	633	m ³
GRUBBING IN FILL	2,004	m ³
LOAM SALVAGE IN FILL	0	m ³
UNDERCUT	0	m ³
MUCK EXCAVATION	0	m ³
CULVERT INLET AND OUTLET DITCHES	0	m ³
PAVEMENT SALVAGE IN FILL	0	m ³
TOTAL COMMON EXCAVATION	51,751	m ³
FILL FOR BORROW CALCULATIONS		
COMMON FILL (FROM CROSS SECTIONS)	28,756	m ³
FILL FOR DRIVES	181	m ³
GRUBBING IN FILL	2,004	m ³
LOAM SALVAGE IN FILL	0	m ³
UNDERCUT	0	m ³
MUCK EXCAVATION	0	m ³
PAVEMENT SALVAGE IN FILL	0	m ³
TOTAL FILL	31,021	m ³
ROCK EXCAVATION FOR ESTIMATE		
ROCK EXCAVATION (FROM CROSS SECTIONS)	1,350	m ³
ROCK EXCAVATION (BOULDERS)	0	m ³
TOTAL ROCK EXCAVATION	1,350	m ³
UNCLASSIFIED EXCAVATION FOR ESTIMATE		
TOTAL COMMON EXCAVATION	51,751	m ³
TOTAL ROCK EXCAVATION	1,350	m ³
TOTAL UNCLASSIFIED EXCAVATION	53,101	m ³
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS		
(1) TOTAL COMMON EXCAVATION	51,751	m ³
DEDUCTIONS:		
GRUBBING IN CUT	4,058	m ³
GRUBBING IN FILL	2,004	m ³
LOAM SALVAGE IN CUT	0	m ³
LOAM SALVAGE IN FILL	0	m ³
UNDERCUT	0	m ³
MUCK EXCAVATION	0	m ³
PAVEMENT SALVAGE (CUT & FILL)	0	m ³
(2) TOTAL DEDUCTIONS	6,062	m ³
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	45,689	m ³
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)	45,201	m ³
TOTAL AVAILABLE NON-ROCK EXCAVATION	45,890	m ³
COMPUTATION OF WASTE STORAGE & WASTE MATERIAL		
TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)	0	m ²
GRUBBING IN CUT	4,058	m ²
GRUBBING IN FILL	2,004	m ²
UNDERCUT	0	m ²
MUCK EXCAVATION	0	m ²
TOTAL WASTE MATERIAL TO BE UTILIZED	6,062	m ²
(LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)	6,062	m ²
TOTAL WASTE MATERIAL TO BE WASTED	6,062	m ²
(TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)	6,062	m ²
COMPUTATION OF GRANULAR BORROW FOR ESTIMATE		
GRANULAR BORROW TO REPLACE MUCK	0	m ³
GRANULAR BORROW IN LOW WET AREAS	50	m ³
GRANULAR BORROW TO UPGRADE EXCAVATION	0	m ³
GRANULAR BORROW TO MAINTAIN TRAFFIC	0	m ³
GRANULAR BORROW FOR UNDERCUTTING	0	m ³
GRANULAR BORROW =	50 X 1.15 =	58
COMPUTATION OF COMMON BORROW FOR ESTIMATE		
(3) TOTAL FILL	31,021	m ³
TOTAL AVAIL. NON-ROCK EXCAV.	45,890 X 0.85 =	39,007
TOTAL AVAIL. ROCK EXCAV.	1,350 X 1.33 =	1,796
TOTAL AVAIL. STR. ROCK EXCAV.	100 X 1.33 =	133
TOTAL WASTE MATERIAL TO BE UTILIZED	0 X 1 =	0
(4) TOTAL AVAILABLE EXCAVATION =	40,935	m ³
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION	31,021 - 40,935 =	-9,914
IF NO BORROW IS NEEDED, SURPLUS MATERIAL =	15,976	m ³
AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED	15,976	m ³

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
ALTERNATE 1			
304.09	AGGR. BASE CRS - CRUSHED	28800	m ³
403.207	HOT MIX ASPHALT 19.0 MM HMA	3950	MG
403.213	HOT MIX ASPHALT 12.5 MM HMA BASE	4750	MG
ALTERNATE 2			
304.09	AGGR. BASE CRS - CRUSHED	27700	m ³
310.24	PLANT MIX RECYCLED ASPHALT PAVE. - 4 IN	23500	m ³
403.207	HOT MIX ASPHALT 19.0 MM HMA	5500	MG

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
ESTIMATED QUANTITIES & EARTHWORK SUMMARY
 DIXFIELD
 RTE. 2
 SHEET OF 136