



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

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

August 24, 2007
Subject: **Topsham**
Pin No. 14062.12 & 14062.13
Amendment No. 1

Dear Sir/Ms:

Please make the following changes to the Bid Documents:

In the Bid Book, REMOVE the existing "Special Provision, Section 403, Hot Mix Asphalt" two pages total and REPLACE with the attached updated Special Provision, Section 403, Hot Mix Asphalt" dated August 20, 2007 two pages total.

In plan sheets, on Sheet 2 of 11 titled: "Site Layout, Utilities Plan and Details", ADD clarification to notes regarding underground conduit by adding the following note: "Existing electrical conduit will consist of two 2" diameter pvc conduits from a main panel in the Future Building to the Sand Salt and Brine/Cold Storage Buildings. The contractor shall be responsible for installing copper service wire sized in accordance with the National Electrical Code from the main service panel in the Future Building to each of the buildings in this contract. Contractor shall also install main breakers in existing panel in Future Building to serve the new panels located in the Sand Salt and Brine/Cold Storage Buildings. Breakers shall be 100 amps for the Sand Salt Building and 200amp for the Brine/Cold Storage Building." Make this change in pen and ink.

On Plan Sheet 3 of 11 titled: "Floor Plan/Electrical Plan, Foundation Plan", on the "Floor Plan/Electrical Plan" drawing, ADD wiring and controls for exhaust fans in each end of the building. See Sheet 4 of 11, Building Elevations for exhaust fan locations and technical specifications, Section 15622 for fan specs. Make this change in pen and ink.

On Plan Sheet 8 of 11 titled "Floor Plan, Building Elevations and Electrical Plan" on the "Electrical Lighting/Power Plan" drawing, ADD the following to the electrical legend:



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“Fixture Type A – “Equivalent to Cooper Metalux Strip Light 4T-Sn-1BX40-120-EB5-WG.

Fixture Type B – “Equivalent to Cooper Lumark Low-Bay Benchmark MH-RB-RP28-150-120.

Fixture Type C – “Equivalent To Cooper Lumark Glass Pak GP-MH-175-120. (Note change from 200w to 175w).

Fixture Type D – “Equivalent To Cooper Lumark Glass Pak GP-MH-100-120.

Fixture Type E – “Equivalent To Cooper Sure-Lites LPX-7-0-R-WH-120-DH-WG12.”
Make these changes in pen and ink.

On Sheet 8 of 11 titled: “Floor Plan, Building Elevations and Electrical Plan “on the Electrical Lighting/Power Plan” drawing, CHANGE Type B Wall Fixtures on South Wall to Type C Wall Fixtures.

On the South Elevation drawing, DELETE three exterior wall fixtures on south wall to match quantity shown on Electrical Power/Lighting Plan.

On the Electrical Power/Lighting Plan drawing, DELETE note at bottom left of plan that begins “ 200A Electrical ... “ and REPLACE with the following updated note “200amp single phase panel with underground service. Underground conduit installed by others. Wiring and connection to the existing and new panels included in this contract.” Make these changes in pen and ink.

On Sheet 9 of 11 titled: “Foundation Plan, Roof Framing Plan, Details” on Detail T, Typical Interior Foundation Wall: DELETE the note for the slab on the cold storage side of the wall which has been inadvertently cut off and REPLACE with the following updated note: “6” Concrete Slab w/4”x4”xW2.9xW2.9 WWF.” Make this change in pen and ink.

The following questions have been received.

Question: Can you tell me the wind load and snow load specified for this building?

Response: See Specifications Section 06192, Structural Glued Laminated Timber, on page 06192-1 under subsection Part 2 – Products, 2.1 Structural Glue Laminated Wood Arches, within A. Design Criteria.

Question: Has the designer specified certain dimensions for the arch? A typical 60’ arch might be 3.125” x 15” for a 90 pound wind and snow load.

Response: Arch dimensions shall be determined by the manufacturer based on the design criteria. See Specifications Section 06192, Structural Glued Laminated Timber, on page 06192-1 under subsection Part 2 – Products, 2.1 Structural Glue Laminated Wood Arches, within A. Design Criteria.

Question: Can you tell me the design spacing between arches?

Response: Arches are shown spaced at 6'0" on center but shall be determined by the manufacturer based on the design criteria. See Specifications Section 06192, Structural Glued Laminated Timber, on page 06192-1 under subsection Part 2 – Products, 2.1 Structural Glue Laminated Wood Arches, within A. Design Criteria, and Plan Sheet 7 of 11 Roof Framing Plan.

Question: Can you tell me if there are specific requirements for the hardware?

Response: See Specifications Section 06192, Structural Glued Laminated Timber, on page 06192-2 under subsection Part 2 – Products, within 2.5 Metal Tie Down Anchors.

Question: Can you tell me if the finish on the wood arch has any special requirements?

Response: See Specifications Section 06192, Structural Glued Laminated Timber, on page 06192-1 under subsection Part 2 – Products, 2.1 Structural Glue Laminated Wood Arches, within A. Design Criteria.

Question: Will you require an engineer's stamp on the design of the arch?

Response: See Specifications Section 06192, Structural Glued Laminated Timber, on page 06192-1 under subsection Part 1 - General, within 1.3 Submittals.

Question: Can you tell me the desired delivery date?

Response: Coordinate with the general contractor.

Question: Are the unit prices for the bid items to follow in an addendum?

Response: No

Question: Index of Sheets represents sheet 11 as loading ramp details- Actual loading ramp details are sheet 1 of 1 following sheet 10. Is this correct?

Response: Yes.

Question: The civil sheets of the site are missing sheets 1,5, 6, 9, 10, 13, 14 and 15. Is this correct?

Response: Yes. Only some sheets from the site contract, MaineDOT PIN 14062.10 were provided.

Question: On sheet 4 of 11 there are two exhaust fans shown one on each gable end. The electrical drawings sheet 3 of 11 does not show any circuits?

Response: See changes made earlier in this amendment to Plan Sheet # 3.

Question: The legend on sheet 8 of 11 does not give any manufacture name or model number for the fixtures?

Response: See changes made earlier in this amendment to Plan Sheet # 8.

Question: On sheet 8 of 11 you show three wall packs over the garage doors that are labeled type B. Is it safe to assume that those 3 fixtures are type C instead? There are also 3 shown on the electrical plan but on the south elevation plan there are 5 shown?

Response: See changes made earlier in this amendment to Plan Sheet # 8.

Question: Sheet 8 of 11 the electrical plan states a 200A electrical panel W/overhead service yet the site plan shows existing underground conduit?

Response: See revisions to the Plan Sheets made earlier in this amendment.

Question: Drawings 8 and 9 are detailed in X, T, & U. Details T & U contradict the slab thickness in detail X. Please clarify.

Response: The thickness of the slab in the cold storage is to be 6" and thickness of the slab in the brine section is to be 8".

Question: On sheet 2 of 11 it states that in the existing underground electrical conduit the contractor is to install wiring, breaker and connect to panel. On my site visit this morning the building that feeds the salt/sand and brine building does not exist yet. Is it still the intent for the EC to install wiring and breakers? Please clarify.

Response: The electrical contractor is to install wiring and breakers as specified on Sheet 2 of 11. See revisions to the Plan Sheets made earlier in this amendment.

Question: What is the conductor size required for the service to both buildings?

Response: See revisions to the Plan Sheets made earlier in this amendment.

Question: The plans for project no. 14062.12 (sand/salt bldg) show a weatherproof 100 amp service panel. Is the panel single phase or three phase, 120/240V or 120/208V or 227/480V?

Response: See revisions to the Plan Sheets made earlier in this amendment.

Question: The service feeder on sheet 4 of 11 of the drawings show a 3" conduit to be connected to the existing underground conduit. Upon site visit I confirmed that the site plan which shows 2 – 2" conduits underground showing on the site plan to be existing from the edge of the salt/sand building to this building. Is this service to be one phase or three phase? Voltage?

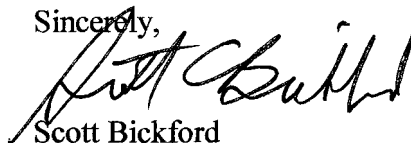
Response: The existing underground conduit will be used. See revisions to the Plan Sheets made earlier in this amendment.

Question: What is the intended start and stop point of this service?

Response: The service will start at the entrance box in the maintenance garage, and stop with the finished product being a completed sand/salt shed and a completed cold storage/Brine mixing building. See revisions to the Plan Sheets made earlier in this amendment.

Consider these changes and information prior to submitting your bid on August 29, 2007

Sincerely,



Scott Bickford
Contracts & Specifications Engineer

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>Sand/Salt Shed</u>						
Wearing	9.5mm	403.210	6.5 %	1 ½"	1	1,4,9,17,18,19
Base	12.5mm	403.213	5.5 %	2 ½"	1	1,4,9,17,18,19
<u>Loading Ramp</u>						
Base	12.5mm	403.213	5.5 %	2 "	1	1,4,9,17,18,19

COMPLEMENTARY NOTES

1. All work under this contract shall conform to the 2007 Special Provision 400 - Hot Mix Asphalt Pavement; with the following revisions.
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 Gyration and shall be a fine sided mix.
9. Section 106.6 Acceptance, (2) Method C - For hot mix asphalt items designated as Method C in Special Provision Section 403 --Hot Mix Asphalt, one sample will be taken from the paver hopper or the truck body per **250** ton, per pay item. The mix will be tested for gradation and PGAB content. Disputes will not be allowed. If the mix is within the tolerances listed in Table 9, below the Department will pay the contract unit price.

Table 9

Property	USL and LSL
	Method D
Percent Passing 4.75 mm [No. 4] and larger sieves	Target ± 7
Percent Passing 2.36 mm [No. 8] to 1.18 mm [No. 16] sieves	Target ± 5
Percent Passing 0.60 mm [No. 30]	Target ± 4
Percent Passing 0.30 mm {No. 50} to 0.075 mm [No. 200] sieve	Target ± 3
PGAB Content	Target ± 0.5
In -Place Density	Minimum 92.0

If the test results for each **250** ton increment are outside these limits the following deductions (Table 9b) shall apply to the HMA quantity represented by the test. A second consecutive failing test shall result in cessation of production

TABLE 9b

PGAB Content	-5%
2.36 mm sieve	-2%
0.30 mm sieve	-1%
0.075 mm sieve	-2%
In-Place Density	- 5%

17. The Contractor shall cut two (2) 6 inch core per **250** ton per pay item., which shall be tested for percent TMD per AASHTO T-269. If the average of the two test results is below 93.0%, the area represented by the test will be isolated and tested separately. A minimum of two additional cores shall be randomly selected from the isolated area. If the core results from the isolated area average below 93.0 %, the effected area shall be removed and replaced at the expense of the Contractor for the full lane width to the limits determined by the Department..

**14062.12 Sand/Salt Storage Building
14062.13 Brine/Cold Storage
Topsham Maintenance Facility
August 20, 2007**

18. 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 315 to 340°F
At the Paver	- allowable range 315 to 340°F

19. The Contractor may place Hot Mix Asphalt Pavement as traveled way wearing course between the dates of April 15th and November 1st, provided the air temperature determined as above is 10°C [50°F] or higher.

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. All joints between existing and new pavement will be tacked. Cleaning objectionable material from the pavement and furnishing and applying Item 409.15 bituminous material to joints and contact surfaces is incidental.