



Paul R. LePage
GOVERNOR

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

April 23, 2012
Subject: **Hampden**
Federal Project No: STP-1479(600)X
State PIN: 014796.00
Amendment No. 1

David Bernhardt
COMMISSIONER

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book, after page 66 **ADD** the attached "SPECIAL PROVISION, SECTION 304, AGGREGATE BASE AND SUBBASE COURSE, (Recycled Concrete Aggregate)" 2 pages dated October 11, 2011.

In the Plans, Sheet Number 2 of 84 "TYPICAL SECTIONS" under "NOTE:" **CHANGE** number 8 in pen and ink to read as follows:

"ABCG = AGGREGATE BASE COURSE-CRUSHED, TYPE **B**"

In the Plans, Sheet Number 7 of 84 "GENERAL NOTES" **CHANGE** note #31 in pen and ink to read as follows:

"31. All existing guardrail shall be removed and become the property of the town of Hampden to be delivered to the town garage 355 Canaan road removal and delivery of the guardrail shall be considered incidental to the guardrail items."

The following questions have been received:

Question: Where Special Provision 107 allows only seven (7) consecutive days (168 hrs) will night work and working a Sunday be permitted by the MDOT and the Town of Hampden to install the 72" RCP?

Response: Yes, Sunday and Night work is permitted for the installation of 72" pipe.

Question: This job calls for 11,500 CY crushed base gravel to Type A. Is it the State's intent to use 2 inch minus Type A gravel for the entire 23" of road base?

Response: Please see the above pen and ink change.

Consider these changes and information prior to submitting your bid on May 2, 2012.

Sincerely,

George M. A. Macdougall P.E.
Contracts & Specifications Engineer



PRINTED ON RECYCLED PAPER

SPECIAL PROVISION
SECTION 304
AGGREGATE BASE AND SUBBASE COURSE
(Recycled Concrete Aggregate)

Amend Section 304.02 Aggregate by adding the following:

Aggregate Subbase Course - Gravel containing Recycled Concrete Aggregate (RCA) meeting the requirements of Aggregate Subbase Course Gravel, Type D of Section 703.06 may be used in the lower lifts of the total aggregate subbase layer. The maximum total thickness of the Aggregate Subbase Course Gravel containing RCA is 12 in [300 mm].

Type D aggregate for subbase gravel may contain up to 50 percent by weight Recycled Concrete Aggregate (RCA). When RCA is used, the portion of the resulting blend of gravel and RCA retained on a ½" square mesh sieve shall contain a total of no more than 5 percent by weight of other recycled materials such as brick, concrete masonry block, or asphalt pavement as determined by visual inspection.

RCA shall be uniformly blended and substantially free of wood, metal, plaster, and gypsum board as defined in Note 9 in Section 7.4 of AASHTO M 319. RCA shall also be free of all substances that fall under the category of solid waste or hazardous materials.

304.021 Quality Control for Recycled Concrete Aggregate (RCA) used in Type D aggregate for subbase gravel. The Contractor shall operate in accordance with the approved Quality Control Plan (QCP) to assure a product meeting the contract requirements. The Contractor shall not begin placing aggregate until the Department approves the QCP in writing.

The QCP shall address any items that affect the quality of the Type D subbase material including, but not limited to, the following:

- a. How the Contractor will proportion the aggregate to ensure that the final blend will contain no more than 50% by weight of RCA and no more than 5% by weight of other recycled materials such as brick, concrete masonry block or asphalt pavement as determined by visual inspection and wood, metal, plaster and gypsum board as defined in Note 9 in Section 7.4 of AASHTO M 319).
- b. Stockpile management, particularly construction to avoid segregation and cross contamination, especially by any substances that fall under the category of solid waste or hazardous materials.
- c. Placement operations, particularly how segregation of the in place material will be minimized.

- d. Gradation Quality Control during construction of the stockpile, particularly the quality control methods to ensure passing gradation of the composite blend of material. At a minimum sieve analysis shall be performed once for every 500 CY of production on both the unblended aggregate and the blended material.
- e. Examples of quality Control forms during manufacture of the material.
- f. Procedure for ensuring that the material is not placed such that any runoff or percolated water will come in contact with any metallic culverts or other structures.

The QCP shall include names of personnel responsible for performing any testing of the material and those responsible for overseeing the manufacturing process. The Contractor shall make all test results available to the Department onsite. The Contractor may utilize innovative equipment or techniques not addressed by the Contract documents for production of the material subject to approval by the Department.