



Paul R. LePage
GOVERNOR

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

David Bernhardt
COMMISSIONER

March 12, 2015
Subject: **milling overlay**
State WIN: 020357.00, 020360.00
Location: **The Forks, Bingham**
Amendment No. 1

Dear Sir/Ms:

Make the following change to the Bid Documents:

In the Contract Book:

INSERT attached “SPECIAL PROVISION, SECTION 400, Pavements, (Emulsified Asphalt Seal Coat, Applied)”, 3 pages, dated 4/03/2013 after page 71.

The following question has been received:

Question: Item # 606.1722 Bridge Transition Type 2 – Will this item require core drilling of existing concrete end posts to allow for anchorage? Is anchorage already in place? Or is there even any existing concrete end posts to attach to?

Response: The existing anchorage in the concrete end posts will be used.

Consider this change and information prior to submitting your bid on **March 18, 2015**.

Sincerely,

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



PRINTED ON RECYCLED PAPER

SPECIAL PROVISION

SECTION 400

Pavements

(Emulsified Asphalt Seal Coat, Applied)

Description This work consists of furnishing and applying one or more applications of emulsified asphalt sealcoat material on an approved surface in accordance with these specifications, and in reasonably close conformity with the lines shown on the plans or established.

Materials The bituminous material shall meet the applicable requirements of Section 702 – Bituminous Materials. Liquid asphalt grades for the fog coat treatment shall meet the requirements for SS-1, SS-1h, CSS-1, or CSS-1h.

The emulsified asphalt shall be produced by diluting an approved, tested and certified emulsion product at a 1:1 ratio, and thoroughly mixed into a homogenous liquid. Each load shall be accompanied by a loading invoice listing the material supplier, emulsion type, dilution rate, total quantity loaded, and copy of the undiluted emulsified asphalt product certification. The diluted emulsion shall meet the requirements listed in Table 1 of this specification.

Table 1 – Diluted Asphalt Emulsion for Seal Coat

<u>Test requirements for diluted material</u>	<u>Range</u>
Sieve test %	0 – 0.10
Residue by distillation, %	28 - 40
Penetration	40 - 90
Application Temperature	80 – 130 °F

Equipment Emulsified asphalt sealcoat material application equipment shall meet the requirements specified in Section 409 – Bituminous Tack Coat, subsection 409.05 - Equipment.

CONSTRUCTION PROCEDURES

Weather Limitations Emulsified asphalt sealcoat material shall not to be applied when the atmospheric temperature is below 10°C (50°F), or pavement temperature below 15°C (59°F).

Emulsified asphalt sealcoat shall not be applied in wet conditions, or when wet weather conditions are forecasted within the cure period.

Preparation of Surface Before application of the bituminous material the surface shall be thoroughly cleaned of all loose and objectionable material. Preparation of the surface shall be considered incidental to the contract. The Contractor shall be responsible for covering all utility irons just prior to application of emulsion and uncovering utilities after application.

Immediately before applying an emulsified asphalt seal coat, the pavement surface must be cleaned with a road sweeper, power broom, or flushed with a water pump-unit to remove dust, dirt, and debris. The pavement surface must be clean and dry before applying the emulsified

asphalt sealcoat. If flushing with water is required, it should be completed 24 hours prior to the application of the fog seal to allow for adequate drying.

Application Emulsified asphalt seal coat materials shall be applied by a pressure distributor in a uniform, continuous spread over the area to be treated and within the temperature range specified in Section 702.05 – Application Temperatures or as otherwise listed in this specification. No moisture shall be present on the roadway surface.

Application rates shall generally be in the range of 0.10 to 0.20 gallons per square yard. For the purposes of this specification, the approximate application rate at the time of bid shall be 0.12 gallons per square yard. Should the Department and Contractor determine that the rate of application increase or decrease from the 0.12 gallons per square yard rate, then the unit price shall be adjusted by contract modification.

A control section shall be established to verify application rates before continuing application of seal coat. The control section shall be of sufficient length to verify the approximate emulsion use at the prescribed rate. Generally, the length of control strip should be approximately 2000 linear feet.

During bituminous material application, adequate provisions shall be made to prevent marring and discoloration of adjacent pavements, structures, vehicles, foliage or personal property. The use of skirting or end panels may be required to control application widths, and limit overspray.

Areas found to lack the proper emulsified asphalt seal coat application rate will require a re-application of emulsion material to meet the required rate. Areas requiring re-application will not be paid for directly but shall be considered incidental to the emulsified asphalt seal coat pay item,

In the event that excessive emulsion materials are applied, the use of sand blotter material shall be used to reduce the risk of bleeding and tracking by traffic. Blotter material, if used, will be considered incidental to the emulsified asphalt seal coat pay item.

Traffic Control All traffic shall be kept off the emulsified asphalt seal coat areas for a minimum of 4 hours or until curing is complete. The emulsified asphalt seal coat surface will be considered cured when the emulsion does not track off the treated surface, or when directed by the Department.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Method of Measurement The Department will measure the emulsified asphalt seal coat by the square meter (square yard). Payment will be for the actual number of square yards applied in accordance with the typicals, Standard Specifications, and Section 109 - Measurement and Payment. Payment shall be full compensation for all labor, materials and equipment required to complete the work in accordance with these specifications.

Basis of Payment The Department will pay for the Work, in place and accepted, in accordance with the applicable sections of the Special Provisions at the contract unit price per square meter (square yard) applied.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
410.151 Emulsified Asphalt Seal Coat, Applied	Square Yard (Square Meter)