



Paul R. LePage
GOVERNOR

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

David Bernhardt
COMMISSIONER

March 27, 2015
Subject: **milling / overlay,
bridge work**
State WIN: 020439.00, 022701.00,
022637.00
Location: **Houlton, New Limerick,
Ludlow, Smyrna,
Oakfield & Dyer Brook**
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Contract Book:

REMOVE page 58, "DRAINAGE WIN 20439.00 DYER BROOK – HOULTON I-95 SB", page 1 of 2 and **REPLACE** with the attached revised "DRAINAGE WIN 20439.00 DYER BROOK – HOULTON I-95 SB", page 1 of 2, dated 3/27/15.

On page 65, in GENERAL NOTES #38 **DELETE** the first two sentences and **REPLACE** with the following:

"The Contractor may elect to keep up to 25% of the total amount of millings/grindings. The remaining amount will become the property of the Maine DOT." Make this change in pen and ink.

INSERT attached "SPECIAL PROVISION, SECTION 400, Pavements, (Emulsified Asphalt Seal Coat, Applied)", 3 pages, dated 4/03/2013, after page 76.



PRINTED ON RECYCLED PAPER

The following questions have been received:

Question: In reference to the Drainage Sheets (Pages 58 & 59) of the project specifications; at STA 710+00 RT, STA 722+90 RT, and 722+90 LT please advise which quantity of pipe to be removed and relayed is correct; as noted in the columns or as noted in the remarks as the quantities are different.

Response: Please refer to the aforementioned changes to the Bid Documents.

Question: With regards to General Notes 38 in the contract book on page 65. The first two sentences seem to contradict each other. What is the intent?

Response: Please refer to the aforementioned changes to the Bid Documents.

Consider these changes and information prior to submitting your bid on **April 1, 2015**.

Sincerely,

A handwritten signature in blue ink that reads "George M. A. Macdougall". The signature is written in a cursive style with a large initial "G".

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

STATION	SIZE (inches)	REMOVE (l.f.)	RELAY (l.f.)	INSTALL NEW (l.f.)	RIPRAP *(c.y.)	*PIPE TIES	REMARKS
141+00 LT	24"	8'	8'			1	Remove/Reset 8'RCP LT
141+00 RT	24"	8'	8"			1	Remove/Reset 8'RCP RT
159+00 LT	24"	8'	8'			1	Remove/Reset 8'RCP LT
166+00 LT	54"	16'	16'			2	Remove/Reset 16'RCP LT
166+00 RT	54"	8'	8'			1	Remove/Reset 8'RCP RT
310+00 LT	30"	8'	8'			1	Remove/Reset 8'RCP LT
491+00 RT	30"	16'	16'			2	Remove/Reset 16'RCP RT
648+60 LT	42"	16'	16'			2	Remove/Reset 16'RCP LT
657+50 LT	54"	8'	8'			1	Remove/Reset 8'RCP LT
New crossover	18"			102'			18" culvert pipe OPT III
New crossover	18"			82'			18" culvert pipe OPT III
680+00 LT	48"	8'	8'			1	Remove/Reset 8'RCP LT
702+75 RT	36"	16'	16'			2	Remove/Reset 16'RCP RT
702+75 LT	36"	24'	24'			3	Remove/Reset 24'RCP LT
710+00 RT	30"	8'	8'			1	Remove/Reset 8'RCP RT
722+90 RT	24"	8'	8'			1	Remove/Reset 8'RCP RT
722+90 LT	24"	16'	16'			2	Remove/Reset 16'RCP LT
729+50 LT	24"	24'	24'			3	Remove/Reset 24'RCP LT
729+50 RT	24"	8'	8'			1	Remove/Reset 8'RCP RT
735+00 LT	24"	8'	8'			1	Remove/Reset 8'RCP LT
735+00 RT	24"	8'	8'			1	Remove/Reset 8'RCP RT
758+00 LT	54"	16'	16'			2	Remove/Reset 16'RCP LT
770+00 LT	24"	16'	16'			2	Remove/Reset 16'RCP LT
770+00 RT	24"	16'	16'			2	Remove/Reset 16'RCP RT
766+65 LT	24"	8'	8'			1	Remove/Reset 8'RCP LT
766+65 RT	24"	8'	8'			1	Remove/Reset 8'RCP RT
793+50 LT	24"	8'	8'			1	Remove/Reset 8'RCP LT
793+50 RT	24"	8'	8'			1	Remove/Reset 8'RCP RT

* Estimate only. Metal End Wall = MEW

* Length of ditching estimate only

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)