



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

April 11, 2025
Subject: Pavement Milling, Full
Depth Reclaim
WIN: 027526.00
Location: **New Sharon**
Amendment No. 3

Dear Sir/Ms.:

Please make the following changes to the Bid Book:

INSERT attached "SPECIAL PROVISION SECTION 108 RECYCLED ASPHALT PAVEMENT WITH BITUMINOUS ADDITIVE PERFORMANCE GRADED BINDER PRICE ADJUSTMENT", 2 pages, dated 04/11/2025 after page 73.

The following questions have been received:

Question: Could the Department please give a pounds per cubic foot for the FDR mix design.

Response: Special Provision 307 Emulsion Treated mix design, 308 Portland cement mix design, and 108 Reclaim Foam CIPR Escalator provided.

Consider these changes and information prior to submitting your bid on **April 16, 2025**.

Sincerely,

A handwritten signature in blue ink, reading "George Macdougall".

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

SPECIAL PROVISION
SECTION 108
RECYCLED ASPHALT PAVEMENT WITH BITUMINOUS ADDITIVE
PERFORMANCE GRADED BINDER PRICE ADJUSTMENT

Price adjustments will be based on the variance in costs for the performance graded binder component of recycled asphalt pavement with bituminous additive. They will be determined as follows:

Performance Graded Asphalt Binder The quantity of asphalt cement will be determined by taking the quantity of recycled asphalt pavement with bituminous additive (**example: 152,533 s.y.**) and multiplying by **(0.0060 for 5 inch CIPR) or (0.0090 for 5 inch Foamed Asphalt FDR)** for item times the difference in price in excess of 5 percent between the base price and the period price of asphalt cement. Adjustments will be made upward or downward, as prices increase or decrease.

Recycled Asphalt Pavement with Bituminous Additive The quantity of recycled asphalt pavement with bituminous additive will be determined from field measurements and shown on the progress estimate for each pay period.

Base Price The base price of performance graded binder to be used is the price per standard ton current with the bid opening date. This price is determined by using the average N.E. Barge Price, FOB, as listed in the Asphalt Weekly Monitor.

Period Price The period price of performance graded binder will be determined by the Department by using the average N.E. Barge Price, FOB, listed in the Asphalt Weekly Monitor current with the pay period ending date that the work is accomplished.

US Customary

Foamed Asphalt FDR

<u>Depth(in)</u>	<u>Item #</u>	<u>Threshold(yd²)</u>	<u>Factor(ton/yd²)</u>
4	309.34	45,900	0.0072
5	309.35	36,750	0.0090
6	309.36	30,500	0.0108

PMRAP / Emulsion FDR

<u>Depth(in)</u>	<u>Item #</u>	<u>Threshold(yd²)</u>	<u>Factor(ton/yd²)</u>
3	310.23	101,500	0.0033
4	310.24 / 307.334	75,750	0.0044
5	310.25 / 307.335	60,500	0.0055
6	310.26 / 307.336	50,750	0.0065

CIPR

<u>Depth(in)</u>	<u>Item #</u>	<u>Threshold(yd²)</u>	<u>Factor(ton/yd²)</u>
3	311.33	91,750	0.0036
4	311.34	68,750	0.0048
5	311.35	55,000	0.0060

SPECIAL PROVISION
SECTION 307
FDR w/ Emulsion

Mix Design

The JMF targets represented in this Special Provision are intended to provide a basis for bidding purposes only. The Department will develop a job mix formula for the FDR using the bituminous material salvaged from the project and provided to the Department by the Contractor.

The Contractor will, with the Departments assistance, obtain a minimum of five 35-pound buckets of bituminous reclaim material from the project as the initial reclaim process is performed and deliver those samples to the MaineDOT Central Laboratory in Bangor Maine for the development of the project specific mix design.

The Contractor shall allow a minimum of two weeks from the time of sample delivery to provide time for the development and reporting of the mix design.

The Recycled Pavement on this project will be treated with the following material proportions:

Emulsion	3.0 %
Water added for compaction	2.0 %
Portland cement (Type I or II)	1.0 %

The unit weight of the in-place recycled material shall be 130 pcf. This information shall be used for bidding purposes only.

The optimum moisture content for compaction shall be determined by the Department using samples obtained from the recycled stockpiled material prior to addition of the emulsion, by means of AASHTO T 180, Method D.

A contract modification will be executed if percentages change from the requirements above for added emulsion, Portland cement or lime changes by more than 0.10%. Positive and negative price adjustments will be made. The price adjustment will be based upon receipted bills for materials delivered the project site. If a price adjustment is warranted, the Contractor will supply the Department with all receipted bills for emulsion, Portland cement or lime for the entire project. Adjustments in water content exceeding the initial targets shall not be paid for directly, but shall be incidental to the work.

SPECIAL PROVISION
SECTION 308
FDR w/ Portland Cement

Mix Design

The JMF targets represented in this Special Provision are intended to provide a basis for bidding purposes only. The Department will develop a job mix formula for the FDR process using the bituminous material salvaged from the project and provided to the Department by the Contractor.

The Contractor will, with the Departments assistance, obtain a minimum of five 35-pound buckets of bituminous material from the project during the initial pulverizing process and prior to beginning the treated FDR process and deliver those samples to the MaineDOT Central Laboratory in Bangor Maine for the development of the project specific mix design. Samples shall be obtained from each different segment of the project as identified by the Department.

The Contractor shall allow a minimum of two weeks from the time of sample delivery to provide time for the development and reporting of the mix design.

The Recycled Pavement on this project will be treated with the following material proportions:

Portland Cement	3.0 %
Water	3.0 – 6.0 %

The unit weight of the in-place recycled material shall be 130 pcf. This information shall be used for bidding purposes only.

The optimum moisture content for compaction shall be determined by the Department using samples obtained from the recycled stockpiled material by means of AASHTO T 180, Method D.

A contract modification will be executed for cement content if percentages change from the requirements above by more than 0.25 %. Positive and negative price adjustments will be made. The price adjustment will be based upon receipted bills for materials delivered to the project site. If a price adjustment is warranted, the contractor will supply the Department with all the receipted bills for cement supplied for the entire project. Adjustments in water content exceeding the initial targets shall not be paid for directly, but shall be incidental to the FDR item.