



Janet T. Mills
GOVERNOR

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

Bruce A. Van Note
COMMISSIONER

April 22, 2019
Subject: Placement of Plant-Mixed Asphalt
Pavement, HMA Overlay with Drainage &
Safety Improvements
State WINs: 022492.10, 022492.55, 023855.10,
023855.55 & 024031.00
Location: **Limington & Waterboro**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 11 – 14, Proposal Schedule of Items, 4 pages, dated 3/21/2019, and **REPLACE** with the attached, revised Proposal Schedule of Items, 4 pages, dated 4/5/2019.

REMOVE pages 65 - 66, SPECIAL PROVISION - SECTION 105 - GENERAL SCOPE OF WORK - (LIMITATIONS OF OPERATIONS), 2 pages, dated February 14, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 105 - GENERAL SCOPE OF WORK - (LIMITATIONS OF OPERATIONS), 1 page, dated April 19, 2019.

REMOVE page 67, SPECIAL PROVISION - SECTION 107 – Prosecution and Progress - (Contract Time), 1 page, dated March 8, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 107 – Prosecution and Progress - (Contract Time), 1 page, dated April 19, 2019.

ADD the attached SPECIAL PROVISION SECTION 461 – HOT MIX ASPHALT – (Cyclical Pavement Resurfacing), 2 pages, dated February 22, 2018.

The following questions have been received:

Question: Item 461.2101 is not listed on the 403 box, is this mix supposed to be polymer?

Response: Item No. 461.2101 has been replaced. See attached, revised Proposal Schedule of Items.

Question: Item 204.201 is in SY, can the Department consider changing the item to CY. It is difficult to estimate the total amount of material that will be needed.

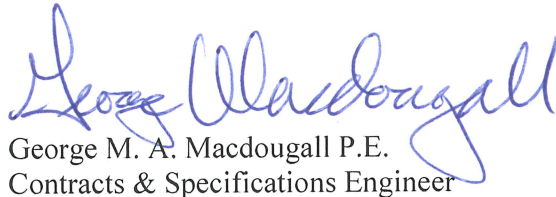
Response: The Department wishes to stay with the square yard item. Based on the ARAN run and field data the Department calculated an average depth of 8.5”.

Question: Given the variable depth nature of the Add Shoulder Aggregate item, would the Department consider changing the item from SY to CY?

Response: See prior response.

Consider these changes and information prior to submitting your bid on **April 24, 2019**.

Sincerely,



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

4/5/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 4

Proposal ID: 022492.10

Project(s): 022492.10, 022492.55, 023855.10,
023855.55, 024031.00

SECTION: 1 Project Items

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	202.203 PAVEMENT BUTT JOINTS	3,261.000 SY	_____	_____	_____	_____
0020	203.21 ROCK EXCAVATION	4.000 CY	_____	_____	_____	_____
0030	204.201 ADD SHOULDER AGGREGATE TO EXISTING SHOULDER	18,771.000 SY	_____	_____	_____	_____
0040	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	310.000 T	_____	_____	_____	_____
0050	403.2104 HOT MIX ASPHALT 9.5 MM - THIN LIFT SURFACE TREATMENT	3,800.000 T	_____	_____	_____	_____
0060	403.211 HOT MIX ASPHALT (SHIMMING)	4,670.000 T	_____	_____	_____	_____
0070	409.15 BITUMINOUS TACK COAT - APPLIED	19,998.000 G	_____	_____	_____	_____
0080	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	286.000 CY	_____	_____	_____	_____
0090	461.210 9.5 MM HMA - CYCLICAL PAVEMENT RESURFACING	2,430.000 T	_____	_____	_____	_____
0100	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	285.000 LF	_____	_____	_____	_____
0110	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	15.000 LF	_____	_____	_____	_____

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Proposal ID: 022492.10

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023855.55, 024031.00

SECTION: 1 Project Items

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0120	606.232 GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	40.000 LF	_____	_____	_____	_____
0130	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2.000 EA	_____	_____	_____	_____
0140	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA	_____	_____	_____	_____
0150	606.81 TANGENT GUARDRAIL TERMINAL - ENERGY ABSORBING	2.000 EA	_____	_____	_____	_____
0160	610.08 PLAIN RIPRAP	150.000 CY	_____	_____	_____	_____
0170	613.319 EROSION CONTROL BLANKET	1,200.000 SY	_____	_____	_____	_____
0180	615.07 LOAM	510.000 CY	_____	_____	_____	_____
0190	615.10 DIRTY BORROW	1,314.000 CY	_____	_____	_____	_____
0200	618.13 SEEDING METHOD NUMBER 1	183.000 UN	_____	_____	_____	_____
0210	618.14 SEEDING METHOD NUMBER 2	196.000 UN	_____	_____	_____	_____
0220	619.12 MULCH	379.000 UN	_____	_____	_____	_____
0230	620.58 EROSION CONTROL GEOTEXTILE	400.000 SY	_____	_____	_____	_____

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023855.55, 024031.00

SECTION: 1 Project Items

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0240	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	283,508.000 LF	_____	_____	_____	_____
0250	629.05 HAND LABOR, STRAIGHT TIME	128.000 HR	_____	_____	_____	_____
0260	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	266.000 HR	_____	_____	_____	_____
0270	631.14 GRADER (INCLUDING OPERATOR)	15.000 HR	_____	_____	_____	_____
0280	631.161 PAVING CREW	141.000 HR	_____	_____	_____	_____
0290	631.162 PAVING CREW (OVERTIME)	56.000 HR	_____	_____	_____	_____
0300	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	532.000 HR	_____	_____	_____	_____
0310	631.179 PUGMILL TRUCKING	17,702.000 T	_____	_____	_____	_____
0320	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	60.000 HR	_____	_____	_____	_____
0330	631.22 FRONT END LOADER (INCLUDING OPERATOR)	8.000 HR	_____	_____	_____	_____
0340	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	_____	_____	_____

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SECTION: 1 Project Items

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0350	652.33 DRUM	11.000 EA	_____	 _____	_____	 _____
0360	652.34 CONE	280.000 EA	_____	 _____	_____	 _____
0370	652.35 CONSTRUCTION SIGNS	2,160.000 SF	_____	 _____	_____	 _____
0380	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	70.000 CD	_____	 _____	_____	 _____
0390	652.38 FLAGGER	3,120.000 HR	_____	 _____	_____	 _____
0400	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	 SUM	_____	 _____
0410	659.10 MOBILIZATION	LUMP SUM	LUMP	 SUM	_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

SPECIAL PROVISION
SECTION 105
GENERAL SCOPE OF WORK
(LIMITATIONS OF OPERATIONS)

1. Only one paving operation is allowed at one time, excluding hand placed paving, unless otherwise approved by Resident.
2. The Contractor shall plan operations so that the Resident will have sufficient advance notification to provide the necessary inspection and testing. Sufficient notification is considered 48 hours.
3. The Contractor is not allowed to work Saturdays placing PMRAP. The Contractor may work Saturdays placing HMA. Notification of Saturday work must be made 48 hours in advance to the Department.
4. Daily operating hours for PMRAP placement will be determined by the Department. A typical full production day can range from 10 to 16 hours. See the Special Provision 631 section 631.07 for explanation of overtime pay.
5. The Contractor shall request absences at least 72 hours in advance. The Department will review and approve based on existing roadway condition, paving deadlines, adherence to schedule, traffic restrictions, detours, etc. The Contractor shall assure that the roadway surface and signage are maintained for safe passage of the traveling public during any approved absences. The Department will not modify the Contract Completion Date for approved absences.
6. Hourly Payment for Item Number 631.161, Paving Crew shall begin 15 minutes prior to commencement of the placement (placement time will be determined the previous day). No payment will be made if the placement does not commence due to inclement weather unless the Department authorizes the Contractor to stand by.
7. PMRAP shall be continuous until completed unless otherwise agreed upon by the Department.
8. The Department and the Contractor shall hold a coordination meeting a minimum of 7 calendar days prior to the beginning work. Tentative date for the pugmill to be on site and ready to go is **June 3, 2019**.
9. The Contractor's Traffic Control Plan shall address construction practices and schedule that will be implemented to minimize vehicles, pedestrian, and bicycle disruptions.

SPECIAL PROVISION

SECTION 107

Prosecution and Progress
(Contract Time)

1. The anticipated Pugmill start date is **June 3, 2019**. The department will notify the Contractor at least 14 calendar days in advance of the actual start date. Failure to begin work on the specified date will result in Supplemental Liquidated Damages of \$2,500/day. The Contract Completion Date will be no later than **September 27, 2019**.
2. The contractor is allowed to commence work any time on or after **May 20, 2019**.
3. On WIN 22492.10 and 23855.10, the Contractor is allowed to commence work on Item 403.2104 Hot Mix Asphalt 9.5mm- Thin Lift Surface Treatment any time on or after **August 12, 2019**.
4. On WIN 23855.10, the Contractor shall complete all work on Item 403.2104 Hot Mix Asphalt 9.5mm- Thin Lift Surface Treatment prior to **August 24, 2019**. If the specified work is incomplete, the Department will charge Supplemental Liquidated Damages in accordance with the per diem rates set forth in Section 107.7.2 of the Standard Specifications.
5. On WIN 22492.10, 22492.55 between Stations 124+38 and 126+38, no work shall occur from **July 15, 2019** to **August 11, 2019**.
6. Once operations commence, for every weekday not worked the Department will charge Supplemental Liquidated Damages in accordance with the per diem rates set forth in Section 107.7.2 of the Standard Specifications; excluding days lost to inclement weather, holidays, and approved absences.
7. The Contractor shall stop all work and have all lanes open and in safe operating condition to traffic on the following dates:
 - a. May 24, 2019 by the end of the normal work day, and shall not commence work again until May 28, 2019 at the start of a normal work day.
 - b. August 31, 2019 by the end of the normal work day, and shall not commence work again until September 3, 2019 at the start of a normal work day.

SPECIAL PROVISION SECTION 461
HOT MIX ASPHALT
(Cyclical Pavement Resurfacing)

Description The Contractor shall furnish a uniformly blended, homogeneous mixture placed as one or more courses of Hot Mix Asphalt Pavement (HMA) on an approved base in accordance with the contract documents and in reasonably close conformity with the lines, grades, thickness, and typical cross sections shown on the plans or established by the Resident. The Department shall accept this work under Quality Assurance provisions as specified in Standard Specification Section 400; Subsection 401 - Hot Mix Asphalt Pavement, and Standard Specifications Section 106 - Quality.

The following shall be added to the Standard Specification Section 108.4.1 Price Adjustment for Hot Mix Asphalt:

Item 461.210 Hot Mix Asphalt - 9.5 mm (Cyclical Pavement Resurfacing)

Item 461.210–6.2%

The Cyclical Pavement Resurfacing shall meet all of the Materials, Seasonal Limitations, Equipment, and Construction requirements of Section 401, with the following additions and changes.

Weather and Seasonal Limitations All work shall be in accordance with Division 400 – Pavements; Section 401 – Hot Mix Asphalt Pavement, subsection 401.06- Weather and Seasonal Limitations, with the exception of the following revisions;

The minimum pavement surface temperature for application of the tack coat and placement of the wearing course is 50° F. Paver Placed Surface shall be completed by the Saturday after September 15th. If an accepted WMA technology is utilized, the Cyclical Pavement Resurfacing shall be completed by the Saturday after October 1st.

Materials The combined aggregate gradation required for this item shall be classified as a 9.5mm Thin Lift Mixture (TLM) mixture, using the Aggregate Gradation Control Points as defined in 703.09.

Compaction As a minimum, compaction of the Cyclical Pavement Resurfacing will be obtained using a minimal roller train consisting of a 10 ton vibratory roller, 16 ton pneumatic roller, and a 10 ton finish roller. As a minimum, the pavement will be rolled by a dual drum vibratory roller operating in high frequency / low amplitude mode, a pneumatic roller will be used over the entire paved surface, and shall be finished with a dual drum roller operation in static mode. Once the methods are established, rolling patterns, equipment, and methods will become part of the QCP. Failure to conform to these requirements will be treated as a second incident under 106.4.6 QCP Non-compliance.

Acceptance Method A, B & C – Control Strip Requirements Mixtures shall be evaluated under Method C criteria unless otherwise specified in the 403 special provision. Test strips will not be required. If using a new mix design, the Contractor may make any final adjustments to the job mix formula in accordance to Standard Specifications, Section 401, subsection 401.03 – Composition of Mixtures.

The Contractor will be required to provide a QCT onsite for the placement of the Cyclical Pavement Resurfacing mixes. A control section will be established at the beginning of the first day of surface placement. The QCT will monitor placement activities and maximize the density of the material for each day of placement. The QCT will be required to perform density testing of the mixture using a density meter (according to ASTM D 2950). The QCT will monitor pavement density to establish roller patterns. The control section mixture will be rolled by each roller until the density readings show less than 1 pcf change for the final roller passes. This density will be used as the target TMD for the mixture. The remainder of the areas to be paved shall be compacted to a minimum density of 98% of the target density as determined in the control section.

The Contractor shall record and provide reports of each day's results, including a daily paving report listing the mixture type, mixture temperatures, equipment used, environmental conditions, and number of roller passes used to obtain the target TMD. Reports shall be signed by the QCT and presented to the Department's representative by the end of the working day. The QCT shall be required to be onsite during all mainline paving operations.

The Department may halt the production and placement of the Cyclical Pavement Resurfacing and require the construction of a new control strip if the Department finds that material being produced, hauled, or placed does not meet the requirements of Sections 401.08 through 401.18.

Method of Measurement The Department will measure Cyclical Pavement Resurfacing pavement by the ton in accordance with Section 109 - Measurement and Payment.

Basis of Payment The Department will pay for the Work, in place and accepted, in accordance with the applicable sections of this Special Provision; at the contract unit price per ton for the Pay Item listed in Special Provision Section 403 – Hot Mix Asphalt.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
461.210 9.5mm HMA – Cyclical Pavement Resurfacing	Ton
461.2101 Polymer Modified 9.5mm HMA – Cyclical Pavement Resurfacing	Ton