



Janet T. Mills
GOVERNOR

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

Bruce A. Van Note
COMMISSIONER

April 9, 2019
Subject: Highway Reconstruction, Pavement
Milling, HMA Overlay, Bridge Work with
Drainage & Safety Improvements
State WINS: 022454.00, 023108.00,
023328.00 & 023775.03
Location: **Fort Fairfield, Caribou &
Presque Isle**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 17 - 22, Proposal Schedule of Items, 6 pages, dated 3/11/2019, and **REPLACE** with the attached, revised Proposal Schedule of Items, 6 pages, dated 4/9/2019.

REMOVE pages 23 - 30, CONTRACT AGREEMENT, OFFER & AWARD, 2 copies, 4 pages each, and **REPLACE** with the attached, revised CONTRACT AGREEMENT, OFFER & AWARD, 2 copies, 4 pages each.

REMOVE page 94, SPECIAL PROVISION – SECTION 105 – General Scope of Work – (Limitations of Operations), 1 page, dated March 14, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 105 – General Scope of Work – (Limitations of Operations), 1 page, dated April 8, 2019.

REMOVE page 96, SPECIAL PROVISION – SECTION 107 – Prosecution and Progress – (Contract Time), 1 page, dated March 7, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 107 – Prosecution and Progress – (Contract Time), 1 page, dated April 8, 2019.

REMOVE pages 133 – 134, SPECIAL PROVISION – SECTION 403 – HOT MIX ASPHALT, 2 pages, dated March 4, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 403 – HOT MIX ASPHALT, 2 pages, dated April 8, 2019.

The following questions have been received:

Question: Is there a test boring report available that shows the depths of pavement/aggregate on the existing roadway?

Response: There are no test boring reports for this section of roadway. There were slab excavations done that indicated a problematic layer exists approximately 4 to 5 inches below the surface. The Department does have as-builts that show the various construction sections along the project limits. The existing pavement does vary in depth, and it is anticipated that some granular materials will be excavated in areas to accommodate the proposed granular and pavement section.

Question: Does the Department anticipate encountering any hazardous material while excavating the existing roadway?

Response: The Department does not anticipate any hazardous materials within the projects limits. To clarify, there is some evidence that cut back asphalts were used to construct base pavement layers in some sections of the project, and it is anticipated that these materials will be removed as part of the excavation of the bituminous layers.

Question: If hazardous material is encountered, how will removal and disposal be paid?

Response: There are no hazardous materials anticipated, but if any are found they would be disposed of in a manner supported by environmental section. Any procedures and disposal agreements would be captured and paid by contract modification.

Question: Special Provision Section 403 Hot Mix Asphalt contains note 19 which states "The Contractor may, at their option, use a Material Transfer Vehicle (MTV) for **all mainline travel way and adjacent shoulder surface course** if paved in the same operation." This note is shown applying to the wearing, intermediate and base courses. Is it the intent of the department to give the contractor a credit for using the MTV on all lifts of pavement?

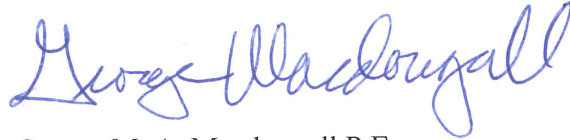
Response: See changes to SPECIAL PROVISION – SECTION 403 – HOT MIX ASPHALT. The Department recognizes the possible difficulties of paving the lower pavement lifts of base while maintaining continuous paving during haul unit exchanges. Should the Contractor choose to utilize a transfer vehicle to promote continuous paving the Department would compensate the Contractor in accordance with the applicable special provision.

Question: Due to the size and scope of this project, will the Department consider extending completion into 2020?

Response: See above changes to the Bid Documents.

Consider these changes and information prior to submitting your bid on **April 10, 2019**.

Sincerely,

A handwritten signature in blue ink, reading "George Macdougall". The signature is fluid and cursive, with the first name "George" and last name "Macdougall" clearly distinguishable.

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

4/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 6

Proposal ID: 022454.00

Project(s): 022454.00, 023108.00, 023228.00,
023775.03

SECTION: 1 HIGHWAY 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	202.127 REMOVE EXISTING BITUMINOUS PAVEMENT	LUMP SUM				
0020	202.202 REMOVING PAVEMENT SURFACE	67,400.000 SY				
0030	202.203 PAVEMENT BUTT JOINTS	240.000 SY				
0040	203.20 COMMON EXCAVATION	39,690.000 CY				
0050	304.16 AGGREGATE BASE COURSE - TYPE C	24,870.000 CY				
0060	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	21,160.000 T				
0070	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	210.000 T				
0080	403.211 HOT MIX ASPHALT (SHIMMING)	220.000 T				
0090	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	31,920.000 T				
0100	409.15 BITUMINOUS TACK COAT - APPLIED	11,870.000 G				
0110	410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED	27,490.000 SY				

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Maine Department of Transportation

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			Dollars	Cents	Dollars	Cents
0120	410.161 COVER COAT MATERIAL, SAND	340.000 LB	_____	 _____	_____	 _____
0130	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	60.000 CY	_____	 _____	_____	 _____
0140	424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED	3,190.000 LB	_____	 _____	_____	 _____
0150	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	50.000 LB	_____	 _____	_____	 _____
0160	503.13 REINFORCING STEEL, PLACING	75.000 LB	_____	 _____	_____	 _____
0170	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	_____	 LUMP SUM	_____	 _____
0180	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA	_____	 _____	_____	 _____
0190	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	_____	 LUMP SUM	_____	 _____
0200	518.391 REPAIRING GRANITE CURB JOINT AND BEDDING MORTAR	100.000 LF	_____	 _____	_____	 _____
0210	518.50 REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	270.000 SF	_____	 _____	_____	 _____

4/9/2019

Maine Department of Transportation

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Page 3 of 6

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0220	518.51 REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN.	270.000 SF	_____	_____	_____	_____
0230	518.52 REPAIR OF UPWARD FACING SURFACES >= 8 IN.	3.000 CY	_____	_____	_____	_____
0240	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP SUM		_____	_____
0250	527.34 WORK ZONE CRASH CUSHIONS	2.000 UN	_____	_____	_____	_____
0260	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	36.000 EA	_____	_____	_____	_____
0270	605.09 6 INCH UNDERDRAIN TYPE B	500.000 LF	_____	_____	_____	_____
0280	605.10 6 INCH UNDERDRAIN OUTLET	30.000 LF	_____	_____	_____	_____
0290	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	1.000 EA	_____	_____	_____	_____
0300	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	2.000 EA	_____	_____	_____	_____
0310	606.356 UNDERDRAIN DELINEATOR POST	2.000 EA	_____	_____	_____	_____
0320	608.26 CURB RAMP DETECTABLE WARNING FIELD	10.000 SF	_____	_____	_____	_____

4/9/2019

Maine Department of Transportation

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023775.03

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0330	608.46 REGRAIDING SIDEWALK	20.000 SY				
0340	609.31 CURB TYPE 3	2,856.000 LF				
0350	615.07 LOAM	40.000 CY				
0360	615.10 DIRTY BORROW	400.000 CY				
0370	618.14 SEEDING METHOD NUMBER 2	110.000 UN				
0380	619.12 MULCH	110.000 UN				
0390	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	187,000.000 LF				
0400	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	260.000 SF				
0410	627.77 REMOVING PAVEMENT MARKINGS	12,510.000 SF				
0420	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	447,120.000 LF				
0430	629.05 HAND LABOR, STRAIGHT TIME	25.000 HR				
0440	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	30.000 HR				

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0450	631.11 AIR TOOL (INCLUDING OPERATOR)	30.000 HR				
0460	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	95.000 HR				
0470	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	175.000 HR				
0480	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR				
0490	652.312 TYPE III BARRICADE	4.000 EA				
0500	652.33 DRUM	58.000 EA				
0510	652.34 CONE	192.000 EA				
0520	652.35 CONSTRUCTION SIGNS	2,190.000 SF				
0530	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	263.000 CD				
0540	652.38 FLAGGER	3,465.000 HR				
0550	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA				

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0560	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	SUM	_____	_____
0570	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the **Contract WINs 22454.00, 23108.00, 23228.00, & 23775.03 for the Highway Rehabilitation, Pavement Milling, Hot Mix Asphalt Overlay, Bridge Work, with Drainage and Safety Improvements in the Town of Fort Fairfield and the Cities of Caribou and Presque Isle, County of Aroostook, Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **August 1, 2020.** Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the *State of Maine Department of Transportation Standard Specifications, November 2014 Edition* and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is _____

\$_____ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, *Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in the Federal Contract Provisions Supplement, and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, *Standard Specifications November 2014 Edition*, *Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **Contract WINs 22454.00, 23108.00, 23228.00, & 23775.03 for the Highway Rehabilitation, Pavement Milling, Hot Mix Asphalt Overlay, Bridge Work, with Drainage and Safety Improvements in the Town of Fort Fairfield and the Cities of Caribou and Presque Isle, County of Aroostook**, State of Maine, on which bids will be received until the time specified in the “Notice to Contractors” do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached “Schedule of Items.”

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items,” which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the *Standard Specifications, November 2014 Edition*, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the *Standard Specifications November 2014 Edition* and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: Bruce A. Van Note, Commissioner

Witness

CONTRACT AGREEMENT, OFFER & AWARD

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The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **August 1, 2020.** Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the *State of Maine Department of Transportation Standard Specifications, November 2014 Edition* and related Special Provisions.

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1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in the Federal Contract Provisions Supplement, and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
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The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items,” which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the *Standard Specifications, November 2014 Edition*, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the *Standard Specifications November 2014 Edition* and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: Bruce A. Van Note, Commissioner

Witness

**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 shall provide the Resident with a 48-hour written notice before beginning night work. After receiving this notice, no work is allowed for 48 hours. Once work has been completed, the Contractor shall provide the same notice to return to day work.
4. The Contractor shall not schedule both day work and night work within the same 24-hour period without prior approval by the Resident and 48-hour notice.
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. The Contractor shall maintain two-way traffic with a minimum lane width of 10.5' at all times (22454.00, Rehabilitation section). The Contractor shall maintain two-way traffic with a minimum lane width of 11' at all times (23108.00 Flagg Bridge, State Street Bridge, Mill & Fills).
7. The Contractor may elect to work at night if they obtain written permission from the impacted municipalities.
8. Traffic can travel on milled surfaces on the mainline. After 21 calendar days, the Contractor shall repair any milled areas not covered, in need of extra repair or maintenance (see Special Provision 202) to the satisfaction of the Resident. All work, equipment and materials required to make repairs is at the Contractor's expense. Failure to adequately maintain milled areas will also result in a violation of Special Provision 652. The Contractor shall plan and conduct their work accordingly.

**Presque Isle – Caribou, Presque Isle, Fort Fairfield
22454.00, 23108.00, 23228.00, 23775.03
US Route 1, Route 163, US Route 1A
April 8, 2019**

9. Lane closure length will be kept to the minimum required for the shift's operations, not to exceed 1.5 miles (22454.00, Rehabilitation section).
10. The Contractor shall plan their operations to be completed within seasonal limitations as follows:
 - All work associated with WINs 23108.00, 23228.00 and 23775.00 to be completed in 2019.
 - The mill and fill portion from Station 10+00 to Station 50+38 to be completed in 2019. (22454.00)
 - All common excavation and the placement of HMA Base and HMA Intermediate lifts between Station 50+38 to Station 415+00 to be completed in 2019. (22454.00)
 - Pavement Removal and the HMA Wearing surface placement and all other associated items between Station 50+38 to Station 563+94 can extend into the August 1st, 2020 completion date. (22454.00)

Presque Isle – Caribou, Presque Isle, Fort Fairfield
22454.00, 23108.00, 23228.00, 23775.03
US Route 1, Route 163, US Route 1A
April 8, 2019

Special Provision
Section 107
Prosecution and Progress
(Contract Time)

This Contract shall be completed within **(263)** continuous calendar days. The Contractor may begin work **Anytime** in accordance with Standard Specification 104.4.2 and upon approval of all required submittals. The Contract Completion Date will be no later than **August 1st, 2020.**

At least 21 calendar days prior to the desired Begin Construction Date **(and no later than June 15th)**, the Contractor shall submit an **electronic copy of their signed request to begin work and the Begin Construction Date.** This signed request shall be sent read receipt through **email** with their **Schedule of Work**, in accordance with Standard Specification 107.4.2, to Shawn.Smith@Maine.gov, Emory.Lovely@Maine.gov, Ryan.Sullivan@Maine.gov, and Scott.Bickford@Maine.gov. The Contractor shall notify all utility contacts listed in the 104 Special Provision and provide the utility contacts the submitted schedule of work within 2 calendar days of the schedule of work submittal. **A penalty in the amount of \$500/day will be assessed for each calendar day or partial calendar day beyond June 15th that the schedule of work is not received.** Upon receipt of the schedule of work, a pre-construction meeting will be scheduled. A Contract Modification will be executed to document the new Contract Completion Date based upon the Begin Construction Date. The modified Contract Completion Date shall not exceed the Contract Completion Date specified in this special provision.

The Contractor may request to adjust the submitted schedule of work and Begin Construction Date once after the initial submittal. The Department will allow adjustments in the Begin Construction Date of up to seven calendar days if the request is made at least 21 calendar days prior to the updated Begin Construction Date. This signed request shall be sent read receipt through **email** with their **Schedule of Work**, in accordance with Standard Specification 107.4.2, to Shawn.Smith@Maine.gov, Emory.Lovely@Maine.gov, Ryan.Sullivan@Maine.gov and Scott.Bickford@Maine.gov. The Contractor shall notify all utility contacts listed in the 104 Special Provision and provide the utility contacts the updated schedule of work within 2 calendar days of the request to adjust the Begin Construction Date.

Presque Isle - Caribou, Presque Isle, Fort Fairfield
2245400, 2310800, 2322800, 02377503
Rehabilitation, Mill & Fill, Bridge Wearing Surface, Shoulder Widening
Route 1, HN Flagg Memorial Bridge, State Street Bridge, Route 1A
April 8, 2019

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT

Desc. Of Course	Grad Design.	Item Number	Total Thick	No. Of Layers	Comp. Notes
<u>2245400 - 6" HMA Overlay Areas</u>					
<u>Travelway, Trucks Lanes, & Shoulders (As Indicated in Typical)</u>					
Wearing	12.5 mm	403.2081	1 ½"	1	5,7,19,21,22,26,28,30
Intermediate	12.5 mm	403.2131	2"	1	5,7,19,26,28,30
Base	12.5 mm	403.2131	2 ½"	1	5,7,19,26,28,30
<u>2245400 - 3" Mill & HMA Overlay Areas</u>					
<u>Travelway & Shoulders (As Indicated in Typical)</u>					
Wearing	12.5 mm	403.2081	1 ½"	1	5,7,19,21,22,26,28,30
Base	12.5 mm	403.2131	1 ½"	1	5,7,19,26,28,30
<u>2245400 - 1 ½" Mill & HMA Overlay Areas</u>					
<u>Travelway, Truck Lanes, & Shoulders (As Indicated in Typical)</u>					
Wearing	12.5 mm	403.2081	1 ½"	1	5,7,19,21,26,28,30
<u>2310800 - 3" Mill & HMA Overlay</u>					
<u>Travelway & Shoulders (As Indicated in Typical)</u>					
Wearing	12.5 mm	403.2081	1 ½"	1	2,5,7,21,28,30
Base	12.5 mm	403.2131	1 ½"	1	2,5,7,28,30
<u>2322800 - 1 ½" Mill & HMA Overlay</u>					
<u>Travelway & Shoulders (As Indicated in Typical)</u>					
Wearing	12.5 mm	403.2081	1 ½"	1	2,5,7,21,30
<u>02377503 - Shoulder Widening (As Indicated in Typical)</u>					
Wearing	12.5 mm	403.2081	1 ½"	1	2,5,7,17,30
Base	12.5 mm	403.2131	2 ½"	1	2,5,7,17,30
<u>Spot Shims (As Directed)</u>					
Shim	9.5 mm	403.211	variable	1/more	1,2,4,10,11,14
<u>Sidewalks, Drives, Misc. (As Directed)</u>					
Wearing	9.5 mm	403.209	2"	1/more	1,2,3,10,11,14

COMPLEMENTARY NOTES

1. The required PGAB for this mixture will meet a **PG 64-28** grading.
2. The incentive/disincentive provisions for density shall not apply. Rollers shall meet the requirements of this special provision. The use of an oscillating steel roller shall be required to compact all mixtures pavements placed on bridge decks.
3. The design traffic level for mix placed shall be <0.3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
5. The aggregate qualities shall meet the design traffic level of 3 to <10 million ESALS for mix placed under this contract. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
7. Section 106.6 Acceptance, (1) Method A.

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10. Section 106.6 Acceptance, (2) Method D.
11. The combined aggregate gradation required for this item shall be classified as a 9.5mm **“fine graded”** mixture, (using the Primary Control Sieve control point) as defined in 703.09.
14. 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.
17. Compaction of the new Hot Mix Asphalt Pavement will be obtained using a minimal roller train consisting of a **10 ton** vibratory, **12 ton** pneumatic, and a **10 ton** finish roller for roadway work. A daily paving report, summarizing the mixture type, mixture temperature, equipment used, environmental conditions, and number of roller passes, shall be recorded and signed by the QCT and presented to the Department’s representative by the end of the working day. An approved release agent is required to ensure the mixture does not adhere to hand tools, rollers, pavers, and truck bodies. The use of petroleum based fuel oils, or asphalt stripping solvents will not be permitted.
19. The Contractor may, at their option, use a Material Transfer Vehicle (MTV) for **all mainline travelway and adjacent shoulder pavement layers** if paved in the same operation. See Special Provision 401 – Material Transfer Vehicle for specifics.
21. The Contractor shall plan its construction sequencing so that no longitudinal joints fall within the mainline travelway lanes (excluding centerturn lanes)
22. The final pavement surface shall be evaluated for smoothness in accordance with the most current 400 Special Provision section 402 – Pavement Smoothness. Acceptance limits shall be as outlined under the **Level II** classification.
26. Centerline joint density testing shall be applied to the specified HMA layer. See Special Provision 401 – Hot Mix Asphalt Longitudinal Joint Density for project specifics.
28. The mixture shall meet the minimum requirements of Special Provision 401 – HMA Hamburg Wheel Tracker Specification.
30. The required PGAB shall be a storage-stable, homogeneous, polymer modified asphalt binder that meets PG 64E-28 grading requirements in AASHTO M 332. All polymer modified asphalt grades utilized on the Project shall be treated with an approved liquid anti-strip. PG binders shall be treated either at the asphalt source terminal with the required dose rate on the delivery documentation, or at the hot mix asphalt plant utilizing a system integrated with the plants controls that will introduce a minimum 0.50 percent anti-strip by weight of asphalt binder used unless a rate is otherwise recommended by the anti-strip manufacturer. The PGAB and anti-strip blend shall meet the PG 64E-28 requirements. The Contractor shall provide supporting test data showing the PGAB and anti-strip blend meet the required criteria.

Tack Coat

A tack coat of emulsified asphalt, RS-1, RS-1h, CRS-1 or CRS-1h, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.030 gal/yd², and on milled pavement approximately 0.05 gal/yd² prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim /base courses and surface course as well as to any bridge membrane prior to the placement of HMA layers at a rate not to exceed 0.030 gal/yd². Tack used will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.