



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

April 13, 2020
Subject: Pavement Milling, Ultra-Thin
Bonded Wearing Course, with Safety
Improvements
State WIN: 024483.00
Location: **Standish, Limington,
Cornish & Parsonsfield
Amendment No. 1**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 17 – 20, Proposal Schedule of Items, 4 pages, dated 3/18/2020, and **REPLACE** with the attached, revised Proposal Schedule of Items, 4 pages, dated 4/13/2020.

REMOVE pages 59 – 66, CONSTRUCTION NOTES, 8 pages, dated March 18, 2020, and **REPLACE** with the attached, revised CONSTRUCTION NOTES, 8 pages, dated April 13, 2020.

The following questions have been received:

Question: Station 844+50 to 944+29 has no milling, this still leaves a deficiency of 25,511 square yards of milling to be covered by the UTBWC Item quantity. Is the milling quantity in the book correct?

Response: The quantity difference between items 462.301 and 202.2023 is the area not being milled from 844+50 and 944+29.

Question: How does the Department plan on grinding Butt joints on driveways/parking lot entrances and side roads, where there is no butt joint Item?

Response: Please see the revised Proposal Schedule of Items and Construction Notes.

Question: Under the Typical section sheet #5 page 39, does the department plan to pave UTBWC on all shoulder widths LT 1'-16' and RT 0'-6'? Will the department use note #2 up to shoulders 4.0' or less or greater than 10.0' will be milled and paved using UTBWC?

Response: Typical 5 is for the segment from Station 330+61 to 334+11. Shoulders are variable up to 16 feet on the left to accommodate turning traffic onto Boothby Road and are variable from 6 feet to 0 feet on the right to accommodate the bypass lane. Shoulders will be milled to full width in this section as per the typical.

Question: Under the Typical section sheet #6 page 40, Will the department use note #2 for the RT side shoulder 0.0'-6.0'?

Response: Typical 6 is for the segment from Station 368+30 to 374+74. Shoulders are 6 feet to 0 feet on the right to accommodate the bypass/turn lane. The right shoulder will be milled to full width in this section beginning at 6 feet and tapering to 0 feet as the turn lane tapers from 0 feet to 12 feet.

Question: Under the Typical section sheet #9 page 43, LT and RT shoulder 5.0'-6.0', will the department use note #2 up to shoulders 4.0' or less in width shall be milled and paved using UTBWC Shoulders greater than 4.0' shall be crack sealed & fog sealed?

Response: Typical 9 is for the segment from Station 1012+71 to 1013+21 which is a full width section between two bridges. Milling and paving will be curb to curb.

Question: The Shoulder rehab section station 349+50 to 352+00 6.0' shoulder, would the department consider using a 9.5mm conventional mix for the surface course?

Response: The Contractor shall submit a bid according to the Contract Documents. However, the Department may allow the use of a 9.5 mm HMA Surface meeting the requirements of a thin lift mixture on shoulders within the limits of the shoulder rehab. Should the Contractor propose using an HMA for this location then a Contract Modification will be required to memorialize the agreement and any adjustments to be made to the basis of payment, limits of work, or method of testing.

Consider these changes and information prior to submitting your bid on **April 15, 2020**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024483.00

Project(s): 024483.00

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	202.2023 REMOVING PAVEMENT SURFACE - MEDIUM CUT DRUM	235,860.000 SY	_____	 _____	_____	 _____
0020	202.203 PAVEMENT BUTT JOINTS	50.000 SY	_____	 _____	_____	 _____
0030	204.42 REHABILITATE EXISTING SHOULDERS	170.000 SY	_____	 _____	_____	 _____
0040	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	20.000 T	_____	 _____	_____	 _____
0050	403.211 HOT MIX ASPHALT (SHIMMING)	900.000 T	_____	 _____	_____	 _____
0060	403.213 HOT MIX ASPHALT 12.5 MM BASE	50.000 T	_____	 _____	_____	 _____
0070	409.15 BITUMINOUS TACK COAT - APPLIED	1,900.000 G	_____	 _____	_____	 _____
0080	410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED	32,820.000 SY	_____	 _____	_____	 _____
0090	410.161 COVER COAT MATERIAL, SAND	16,410.000 LB	_____	 _____	_____	 _____
0100	424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED	35,900.000 LB	_____	 _____	_____	 _____
0110	424.37 CRACK REPAIR	1,730.000 LF	_____	 _____	_____	 _____
0120	462.301 POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE	271,350.000 SY	_____	 _____	_____	 _____

4/13/2020

Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 024483.00

Project(s): 024483.00

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
0130	604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE	70.000 EA	_____	 _____	_____	 _____
0140	608.08 REINFORCED CONCRETE SIDEWALK	30.000 SY	_____	 _____	_____	 _____
0150	608.26 CURB RAMP DETECTABLE WARNING FIELD	200.000 SF	_____	 _____	_____	 _____
0160	608.45 CONSTRUCT SIDEWALK	20.000 SY	_____	 _____	_____	 _____
0170	608.461 RECONSTRUCT PEDESTRIAN RAMP	10.000 EA	_____	 _____	_____	 _____
0180	609.31 CURB TYPE 3	20.000 LF	_____	 _____	_____	 _____
0190	609.38 RESET CURB TYPE 1	30.000 LF	_____	 _____	_____	 _____
0200	615.10 DIRTY BORROW	20.000 CY	_____	 _____	_____	 _____
0210	618.14 SEEDING METHOD NUMBER 2	10.000 UN	_____	 _____	_____	 _____
0220	619.12 MULCH	10.000 UN	_____	 _____	_____	 _____
0230	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	237,670.000 LF	_____	 _____	_____	 _____
0240	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	3,120.000 SF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 024483.00

Project(s): 024483.00

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
0250	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	713,360.000 LF	_____	 _____	_____	 _____
0260	629.05 HAND LABOR, STRAIGHT TIME	10.000 HR	_____	 _____	_____	 _____
0270	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0280	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	40.000 HR	_____	 _____	_____	 _____
0290	631.212 SMALL PAVEMENT GRINDER (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
0300	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0310	652.34 CONE	500.000 EA	_____	 _____	_____	 _____
0320	652.35 CONSTRUCTION SIGNS	2,230.000 SF	_____	 _____	_____	 _____
0330	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	89.000 CD	_____	 _____	_____	 _____
0340	652.38 FLAGGER	2,000.000 HR	_____	 _____	_____	 _____
0350	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	 _____	_____	 _____

4/13/2020

Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 024483.00

Project(s): 024483.00

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
0360	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	SUM	_____	_____
0370	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

CONSTRUCTION NOTES**202.203 REMOVING PAVEMENT SURFACE- MEDIUM CUT DRUM**

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Comments</u>
10+00		119+78	Travel way
71+50		75+50	Turn Lane-RT
107+70		112+62	Turn Lane-RT
113+19		116+50	Turn Lane-LT
280+06		372+98	Travel way
372+98		762+18	Travel way plus shoulders
330+61		334+11	Turn Lane-RT
330+61		334+11	Turn Lane-LT
368+30		374+74	Turn Lane-RT
798+84		807+00	Travel way plus left shoulder
807+00		844+50	Travel way plus shoulders
944+29		1006+35	Travel way plus shoulders
1006+35		1012+71	Travel way plus left shoulder
1012+71		1013+21	Travel way plus shoulders

Note: Any known spot shim areas may require a deeper mill cut as directed by Resident.

202.203 PAVEMENT BUTT JOINTS

This item will be used at various paved entrance locations between 844+50 and 944+29

204.42 REHABILITATE EXISTING SHOULDERS

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
349+50		352+00	LT

**403.209 HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE
(SIDEWALKS, DRIVES, ISLANDS, & INCIDENTALS)**

<u>Station</u>	<u>Side</u>	<u>Comments</u>
747+60	RT	Grange Hall Road
748+30	RT	Grange Hall Road
761+07	RT	Cumberland Street
761+70	RT	Cumberland Street
908+99	LT	Pendexter Road
971+77	RT	Stock Dr
971+97	RT	Stock Dr
983+95	RT	Garner Ave
984+25	RT	Garner Ave
993+05	RT	Power St

CONSTRUCTION NOTES

**403.209 HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE
(SIDEWALKS, DRIVES, ISLANDS, & INCIDENTALS) Continued**

993+35	RT	Power St
995+70	RT	Stewart Ave
996+00	RT	Stewart Ave

403.211 HOT MIX ASPHALT (SHIMMING)

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
30+06		31+06	LT
118+56		119+56	LT
387+30		388+30	LT
498+50		499+80	LT
816+59		821+09	LT
844+50		944+29	LT
967+09		973+59	LT
505+80		506+80	RT
609+30		610+30	RT
641+80		642+80	RT
653+00		654+00	RT
844+50		944+29	RT
1012+74		1013+21	LT & RT

403.213 HOT MIX ASPHALT, 12.5 MM BASE

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comments</u>
349+50		352+00	LT	Shoulder

**410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED
410.161 COVER COAT MATERIAL, SAND**

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Comments</u>
10+00		119+78	Shoulders
280+06		372+98	
798+94		831+29	
1010+35		1013+21	

CONSTRUCTION NOTES**424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED**

<u>Station</u>	<u>to</u>	<u>Station</u>
10+00		119+78
280+06		762+18
798+64		1013+21

424.37 CRACK REPAIR

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Comments</u>
43+11		48+61	Centerline
91+22		102+00	Centerline

This item will be used to treat cracks on the travel way after the milling and prior to Items 403.211, 410.151, 410.161, and 462.301.

462.301 POLYMER MODIFIED ULTRA-THIN BONDED WEARING COURSE

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Comments</u>
10+00		119+78	Travel way
71+50		75+50	Turn Lane-RT
107+70		112+62	Turn Lane-RT
113+19		116+50	Turn Lane-LT
280+06		372+98	Travel way
372+98		762+18	Travel way plus shoulders
330+61		334+11	Turn Lane-RT
330+61		334+11	Turn Lane-LT
349+50		352+00	LT-Surface after Shoulder Rehab
368+30		374+74	Turn Lane-RT
798+84		807+00	Travel way plus left shoulder
807+00		1006+35	Travel way plus shoulders
1006+35		1012+71	Travel way plus left shoulder
1012+71		1013+21	Travel way plus shoulders

604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE

<u>Station</u>	<u>Side</u>	<u>Station</u>	<u>Side</u>	<u>Station</u>	<u>Side</u>
11+15	LT	11+20	RT	111+22	CL
13+17	LT	13+56	RT		
16+00	LT	16+00	RT		
17+58	LT	19+15	RT		
19+37	LT	25+00	RT		
24+84	LT	26+00	RT		

CONSTRUCTION NOTES

604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE Continued

27+18	LT	27+18	RT
29+00	LT	35+46	RT
37+00	LT	78+00	RT
40+21	LT	82+60	RT

604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE (Continued)

<u>Station</u>	<u>Side</u>	<u>Station</u>	<u>Side</u>
43+46	LT	86+54	RT
56+77	LT	104+34	RT
79+33	LT	106+13	RT
82+60	LT	107+64	RT
104+66	LT	111+22	RT
332+56	LT	284+75	RT
376+52	LT	749+05	RT
751+72	LT	751+07	RT
758+18	LT	752+12	RT
761+01	LT	755+94	RT
990+09	LT	757+57	RT
993+09	LT	758+53	RT
996+00	LT	760+56	RT
997+09	LT	761+74	RT
999+49	LT	799+42	RT
1004+00	LT	802+52	RT
1005+09	LT	807+52	RT
		974+97	RT
		976+98	RT
		979+48	RT
		982+09	RT
		990+09	RT
		991+09	RT
		997+09	RT
		999+49	RT
		1004+74	RT
		1009+58	RT
		1012+02	RT

608.08 REINFORCED CONCRETE SIDEWALK

<u>Station</u>	<u>Side</u>
1009+58	RT
1012+30	RT

CONSTRUCTION NOTES**608.26 CURB RAMP DETECTABLE WARNING FIELD**

<u>Station</u>	<u>Side</u>	<u>Comments</u>
747+60	RT	Grange Hall Road
748+30	RT	Grange Hall Road
761+07	RT	Cumberland Street
761+70	RT	Cumberland Street
971+77	RT	Stock Dr
971+97	RT	Stock Dr
983+95	RT	Garner Ave
984+25	RT	Garner Ave
993+05	RT	Power St
993+35	RT	Power St
995+70	RT	Stewart Ave
996+00	RT	Stewart Ave
1009+58	RT	Route 25
1009+58	LT	Route 25
1012+30	RT	Route 25
1012+30	LT	Route 25

608.45 CONSTRUCT SIDEWALK

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Comments</u>
996+00		996+20	Stewart Ave

608.461 RECONSTRUCT PEDESTRIAN RAMP

<u>Station</u>	<u>Side</u>	<u>Comments</u>
971+77	RT	Stock Dr
971+97	RT	Stock Dr
983+95	RT	Garner Ave
984+25	RT	Garner Ave
993+05	RT	Power St
993+35	RT	Power St
995+70	RT	Stewart Ave
996+00	RT	Stewart Ave
1009+58	RT	
1012+30	RT	

609.31 CURB TYPE 3

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
996+00		996+20	RT

CONSTRUCTION NOTES**609.38 RESET CURB TYPE 1**

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1009+53		1009+73	RT
1012+15		1012+35	RT

615.10 DIRTY BORROW

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
349+50		352+00	LT

Item to be used to back up edge of pavement after all existing material has been used and as directed by the Resident.

627.733 4 INCH WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

Final striping will not commence until 10 days have elapsed from the completion of surface pavement and must be completed within 20 days of the completion of surface pavement. Unless otherwise directed, failure to comply will result in a Traffic Control Violation.

Once Construction is Complete, Maintenance of Traffic Control Devices (652.36) will not be paid while waiting to final stripe.

Once Construction is Complete, Liquidated Damages will not be charged while waiting to final stripe.

627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING**Crosswalk**

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
747+61		748+30	RT
761+10		761+71	RT
971+77		971+97	RT
983+95		984+25	RT
993+05		993+35	RT
995+70		996+00	RT
1018+38		1010+44	LT to RT
1012+27		1012+33	LT to RT

CONSTRUCTION NOTES

627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING (Continued)

Stopbar

<u>Station</u>	<u>Side</u>
117+12	LT
374+86	LT
113+05	RT
374+01	RT
984+25	RT
993+35	RT
996+00	RT

Hatch Marks

<u>Station</u>	<u>to</u>	<u>Station</u>
109+50		113+00
971+77		971+97
983+95		984+25
993+05		993+35
995+70		996+00
1010+38		1010+44
1012+27		1012+33

Arrows

<u>Type</u>	<u>Quantity</u>
Turn	6
Straight	9
ONLY	6

CONSTRUCTION NOTES

627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW

All areas where the existing centerline striping is removed under Item 627.77 – Removing Pavement Markings will receive (1) application of temporary striping prior to placing the Ultra-Thin Bonded Wearing Course.

Centerline and edge lines will receive (2) applications of temporary paint on the Ultra-Thin Bonded Wearing Course prior to final striping. The (2) applications of temporary paint may be applied on the same day as long as the first application has completely dried prior to placing the second application.

Temporary center lines and edge lines shall be painted on all matched pavement within one week.

All temporary lines shall be painted prior to final striping.

Multilane sections, truck lanes, and milled surfaces must be striped daily on all matched pavement layers.

631.212 SMALL PAVEMENT GRINDER (INCLUDING OPERATOR)

To be used to mill extra shoulder width from Station 372+98 to Station 615+40. As directed by Resident. Material shall be left in place and incorporated into slope as directed by the Resident.

652.35 CONSTRUCTION SIGNS

Two “Road Work Next 19 Miles” will be required to be part of this project.

652.41 PORTABLE CHANGEABLE MESSAGE BOARD

Route 25 West

Route 25 East