



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

March 7, 2022
Subject: Median Barrier Wall Installation,
Pavement Milling & Asphalt Rubber
Gap-Graded HMA Overlay with Drainage &
Safety Improvements
State WINs: 022394.00 & 022420.01
Location: **Portland & South Portland**
Amendment No. 3

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 17-23, Proposal Schedule of Items, 7 pages, dated 02/7/2022, and **REPLACE** with the attached, revised Proposal Schedule of Items, 7 pages, dated 3/4/2022.

ADD the attached Construction Notes –14 pages, dated March 4, 2022.

ADD the attached Detail Sheet, ASPHALTIC PLUG JOINT, 1 page.

The following questions have been received:

Question: Do you have a detailed drawing for Item # 520.232 - Asphaltic Plug Joint?

Response: The Item 520.232 will be replaced with Item 519.60 – Expansion Device – Asphaltic Plug Joint. A new Schedule of Items and detail is part of this Amendment.

Question: Will the Department consider using conventional polymer HMA on the Ramps?

Response: The Department will allow the use of a PG 70E-28 mixture meeting HWT criteria for the following ramps up to the area where the ramp shoulder meets the 295 travel way or acceleration /deceleration/ slip lane shoulder (commonly referred to as gore area) with the exception of the Broadway On Ramp, which would end at the Westbrook Street overpass.

Northbound

Maine Turnpike / 703 Off Ramp

Broadway On Ramp

Route 1 On Ramp

Fore River Parkway On & Off Ramps (excluding Congress Off Ramp & Divided Slip-Lane)

Park Avenue On Ramp

Forest Avenue Eastbound On Ramp

Washington Avenue On Ramp

Baxter Boulevard On Ramp

Veranda Street Off Ramp

Southbound

Washington Avenue Off Ramp

Should the use of a PG 70E-28 be proposed a credit per ton will be negotiated with the successful bidder once the actual limits and tonnages are determined.

Question: Is the Department willing to pay for a load of mix at the beginning and at the end of shift, for heating up the equipment and cleaning out the equipment, per manufactures recommendations for Item # 403.2084 (HiMAP).

Response: The preheating or cleaning of the equipment shall be part of the overall paving operation. No direct payment for materials or incidentals will be paid for by the Department.

Consider these changes and information prior to submitting your bid on **March 9, 2022**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022394.00

Project(s): 022394.00, 022420.01

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	202.17 REMOVING EXISTING STRUCTURAL CONCRETE 4340 LF	LUMP SUM	LUMP SUM		_____	_____
0020	202.2023 REMOVING PAVEMENT SURFACE - MEDIUM CUT DRUM	270,000.000 SY	_____	_____	_____	_____
0030	202.204 RUMBLE STRIPS	4.000 GP	_____	_____	_____	_____
0040	202.205 RUMBLE STRIPS - SHOULDER	10,800.000 LF	_____	_____	_____	_____
0050	203.20 COMMON EXCAVATION	1,350.000 CY	_____	_____	_____	_____
0060	304.14 AGGREGATE BASE COURSE - TYPE A	630.000 CY	_____	_____	_____	_____
0070	401.10 HOT MIX ASPHALT CONTINUOUS THERMAL PROFILING	LUMP SUM	LUMP SUM		_____	_____
0080	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	2,000.000 T	_____	_____	_____	_____
0100	403.2111 9.5 MM POLYMER MODIFIED HMA (SHIM)	1,500.000 T	_____	_____	_____	_____
0110	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	770.000 T	_____	_____	_____	_____
0130	409.15 BITUMINOUS TACK COAT - APPLIED	15,000.000 G	_____	_____	_____	_____

Maine Department of Transportation

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0140	410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED	50,000.000 SY	_____	 _____	_____	 _____
0150	424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED	133,000.000 LB	_____	 _____	_____	 _____
0160	424.3333 LOW MODULUS JOINT SEALER, APPLIED	66,000.000 LF	_____	 _____	_____	 _____
0170	424.38 CRACK REPAIR - HOT POUR MASTIC	55,000.000 LB	_____	 _____	_____	 _____
0180	515.202 PROTECTIVE COATING FOR CONCRETE SURFACES - SILANE SEALER	3,700.000 SY	_____	 _____	_____	 _____
0190	518.60 REPAIR OF VERTICAL SURFACES < 8 IN.	360.000 SF	_____	 _____	_____	 _____
0200	519.60 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	700.000 LF	_____	 _____	_____	 _____
0210	526.301 PORTABLE CONCRETE BARRIER TYPE I 5600 LF	LUMP SUM		 LUMP SUM	_____	 _____
0220	526.501 PRECAST CONCRETE BARRIER 4340 LF	LUMP SUM		 LUMP SUM	_____	 _____
0230	527.301 ENERGY ABSORBING SYSTEM (C-A-T)	9.000 EA	_____	 _____	_____	 _____
0240	527.34 WORK ZONE CRASH CUSHIONS	2.000 UN	_____	 _____	_____	 _____

Maine Department of Transportation

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0250	604.161 ALTERING CATCH BASIN	40.000 EA	_____	 _____	_____	 _____
0260	604.164 REBUILDING CATCH BASIN	12.000 EA	_____	 _____	_____	 _____
0270	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	12.000 EA	_____	 _____	_____	 _____
0280	604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE	55.000 EA	_____	 _____	_____	 _____
0290	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	30.000 EA	_____	 _____	_____	 _____
0300	606.1307 BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1A	3.000 EA	_____	 _____	_____	 _____
0310	606.1725 GUARDRAIL TRANSITION - TYPE 3 - MODIFIED	1.000 EA	_____	 _____	_____	 _____
0320	606.178 GUARDRAIL BEAM	1,000.000 LF	_____	 _____	_____	 _____
0330	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	10.000 EA	_____	 _____	_____	 _____
0340	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	85.000 EA	_____	 _____	_____	 _____
0350	606.362 GUARDRAIL ADJUSTED	62,500.000 LF	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0360	613.319 EROSION CONTROL BLANKET	1,500.000 SY	_____	 _____	_____	 _____
0370	618.14 SEEDING METHOD NUMBER 2	250.000 UN	_____	 _____	_____	 _____
0380	619.12 MULCH	250.000 UN	_____	 _____	_____	 _____
0390	627.18 12 " SOLID WHITE PAVEMENT MARKING	50,000.000 LF	_____	 _____	_____	 _____
0400	627.30 GROOVING FOR PAVEMENT MARKING	45,000.000 SF	_____	 _____	_____	 _____
0410	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	120,000.000 LF	_____	 _____	_____	 _____
0420	627.745 6" WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED)	102,000.000 LF	_____	 _____	_____	 _____
0430	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	2,000.000 SF	_____	 _____	_____	 _____
0440	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	102,000.000 LF	_____	 _____	_____	 _____
0450	627.781 TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	375,000.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

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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
0460	629.05 HAND LABOR, STRAIGHT TIME	240.000 HR	_____	 _____	_____	 _____
0470	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	40.000 HR	_____	 _____	_____	 _____
0480	631.11 AIR TOOL (INCLUDING OPERATOR)	40.000 HR	_____	 _____	_____	 _____
0490	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	340.000 HR	_____	 _____	_____	 _____
0500	631.133 SKID STEER (INCLUDING OPERATOR)	150.000 HR	_____	 _____	_____	 _____
0510	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	640.000 HR	_____	 _____	_____	 _____
0520	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	65.000 HR	_____	 _____	_____	 _____
0530	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
0540	643.86 TRAFFIC SIGNAL LOOP DETECTORS	2.000 EA	_____	 _____	_____	 _____
0550	645.306 FLEXIBLE REFLECTORIZED DELINEATOR	200.000 EA	_____	 _____	_____	 _____
0560	652.30 FLASHING ARROW BOARD	4.000 EA	_____	 _____	_____	 _____
0570	652.33 DRUM	200.000 EA	_____	 _____	_____	 _____

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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
0580	652.34 CONE	1,000.000 EA	_____	 _____	_____	 _____
0590	652.35 CONSTRUCTION SIGNS	4,450.000 SF	_____	 _____	_____	 _____
0600	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	310.000 CD	_____	 _____	_____	 _____
0610	652.38 FLAGGER	600.000 HR	_____	 _____	_____	 _____
0620	652.381 TRAFFIC OFFICER	120.000 HR	_____	 _____	_____	 _____
0630	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	8.000 EA	_____	 _____	_____	 _____
0640	652.45 AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	4.000 EA	_____	 _____	_____	 _____
0650	652.46 SEQUENTIAL FLASHING WARNING LIGHTS	80.000 EA	_____	 _____	_____	 _____
0660	652.47 TEMPORARY PORTABLE RUMBLE STRIP	8.000 GP	_____	 _____	_____	 _____
0670	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
0680	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
Section: 1			Total:		_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022394.00

Project(s): 022394.00, 022420.01

SECTION: 2 ASPHALT RUBBER GAP GRADED

Alt Set ID: HI Alt Mbr ID: 1

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0120	403.301 HOT BITUMINOUS PAVEMENT (ASPHALT RUBBER GAP-GRADED)	26,000.000 T	_____	 _____	_____	 _____
Section: 2			Total:		_____	

SECTION: 3 12.5 MM HIGHLY MODIFIED ASPHALT PAVEMENT (HiMAP)

Alt Set ID: HI Alt Mbr ID: 2

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0090	403.2084 12.5 MM HIGHLY MODIFIED ASPHALT PAVEMENT (HiMAP)	26,000.000 T	_____	 _____	_____	 _____
Section: 3			Total:		_____	
			Total Bid:		_____	

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum

Mainline				
<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Depth</u>	<u>Remarks</u>
85+66	-	99+46	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
99+46	-	101+75	1 ½"	63.0' +/- Full Width Route 703 Bridge Deck
101+75	-	148+00	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
148+00	-	149+10	1 ½"	55.0' +/- Full Width Westbrook Street Bridge Deck
149+10	-	227+50	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
227+50	-	233+55	1 ½"	55.0' +/- Full Width Fore River Bridge Deck
233+55	-	252+30	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
252+30	-	253+79	1 ½"	42.3' +/- Full Width PTRR Bridge Deck
253+79	-	258+20	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Mainline				
<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Depth</u>	<u>Remarks</u>
258+20	-	259+80	1 ½"	46.0' +/- Full Width Westbrook Arterial Bridge Deck
259+80	-	268+60	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
268+60	-	270+63	1 ½"	60.0' +/- Full Width Congress Street Bridge Deck
270+63	-	276+49	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
276+49	-	277+56	1 ½"	38.0' +/- Full Width St. James Street Bridge Deck
277+56	-	279+70	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
279+70	-	280+82	1 ½"	38.0' +/- Full Width PTRR Bridge Deck
280+82	-	282+33	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
282+33	-	283+33	1 ½"	52.0' +/- Full Width St. John Street Bridge Deck
283+33	-	316+43	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
316+43	-	317+68	1 ½"	51.0' +/- Full Width Forest Avenue Bridge Deck

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Mainline				
<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Depth</u>	<u>Remarks</u>
317+68	-	327+44	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
327+44	-	328+56	1 ½"	66.0' +/- Full Width Preble Street Bridge Deck
328+56	-	345+19	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
345+19	-	346+31	1 ½"	42.0' +/- Full Width Franklin Street Bridge Deck
346+31	-	384+03	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
384+03	-	389+08	1 ½"	65.0' +/- Full Width Tukey's Bridge Deck
3+86	-	11+92	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
11+92	-	13+36	1 ½"	42.0' +/- Full Width Washington Street Bridge Deck
13+36	-	18+00	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
18+00	-	18+50	1 ½"	50.0' +/- Full Width Sherwood Street Bridge Deck

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Mainline				
<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Depth</u>	<u>Remarks</u>
18+50	-	20+00	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
20+00	-	21+60	1 ½"	50.0' +/- Full Width CNRR Bridge Deck
21+60	-	22+50	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
22+50	-	23+00	1 ½"	50.0' +/- Full Width Kensington Street Bridge Deck
23+00	-	37+40	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
37+40	-	39+40		No work Veranda Street Bridge Deck
39+40	-	83+88	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder
82+94	-	98+38	1 ¾" 1 ¾"	28.0' +/- Total Width Travel & Passing Lanes 4.0 +/- Left Shoulder

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Mainline Travel Lane Shoulder				
<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Depth</u>	<u>Remarks</u>
93+20	-	98+60	1 ½”	10.0’ +/- travel lane shoulder
101+75	-	148+00	1 ½”	10.0’ +/- travel lane shoulder
190+25	-	214+00	1 ½”	10.0’ +/- travel lane shoulder
233+55	-	244+90	1 ½”	10.0’ +/- travel lane shoulder
310+00	-	315+00	1 ½”	10.0’ +/- travel lane shoulder
29+50	-	37+40	1 ½”	10.0’ +/- travel lane shoulder
39+40	-	83+88	1 ½”	10.0’ +/- travel lane shoulder
82+94	-	98+38	1 ½”	10.0’ +/- travel lane shoulder
Ramps				
Station	to	Station	Depth	Remarks
Exit 1 Off Ramp				
0+00	-	2+50+/-	1 ¾”	20’ +/- straight grade mainline and shoulder
2+50	-	12+60+/-	1 ¾”	14’ +/- mainline
12+60	-	17+90+/-	1 ¾”	16’ +/- mainline and left shoulder
17+90	-	20+65+/-	1 ¾”	14’ +/- mainline
14+20	-	20+00+/-	1 ½”	8’ +/- Right shoulder
Exit 1 On Ramp				
0+00	-	2+14+/-	1 ¾”	20’ +/- straight grade mainline and shoulder
2+14	-	4+50+/-	1 ¾”	16’ +/- mainline and right shoulder
4+50	-	8+60+/-	1 ¾”	full width
8+60	-	13+75+/-	1 ¾”	16’ +/- mainline and right shoulder
13+75	-	16+00+/-	1 ½”	Bridge Deck See Mainline
16+00	-	21+50+/-	1 ¾”	15’ +/--mainline
21+50	-	23+50+/-	1 ¾”	20’ +/- straight grade mainline and shoulder

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Ramps

Station	to	Station	Depth	Remarks
Scarborough Connector On Ramp				
0+00	-	4+00+/-	1 ¾”	24’ +/- travel lanes only
4+00	-	7+50	1 ¾”	24’ to 12’ travel lane only
7+50	-	17+43	1 ½”	14’ +/- travel lane only
17+43	-	18+55+/-	1 ½”	Bridge Deck See Mainline
18+55	-	21+95	1 ¾”	14’ +/- travel lane only
21+95	-	25+00	1 ¾”	20’ +/- straight grade mainline and shoulder
Exit 3 On Ramp to Exit 4 Off Ramp				
0+00	-	5+50+/-	1 ¾”	full width
5+50	-	15+05+/-	1 ¾”	22’ +/- mainline and shoulder
15+05	-	22+95+/-	1 ¾”	20’ -14’ +/- travel lane only
22+95	-	24+20+/-	1 ½”	full width Bridge Deck
24+20	-	38+75+/-	1 ¾”	14’ +/- travel lane only
38+75	-	59+00+/-	1 ¾”	12’ +/- travel lane only
59+00	-	97+50	1 ¾”	20’ +/- mainline and right shoulder
97+50	-	103+75	1 ¾”	18’ +/- mainline and right shoulder
From Tank Farm to Veterans Bridge				
13+80	-	14+30+/-	1 ¾”	full width
14+30	-	15+85+/-	1 ½”	full width Bridge Deck
15+85	-	38+60	1 ¾”	16’ +/- mainline and left shoulder

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Ramps				
Station	to	Station	Depth	Remarks
From Tank Farm to Interstate 295 Northbound				
5+00	-	5+50+/-	1 ¾”	full width
5+50	-	7+00+/-	1 ½”	full width
7+00	-	9+25+/-	1 ¾”	Bridge Deck 20’+/-
9+25	-	17+00+/-	1 ¾”	mainline and right shoulder 14’+/--mainline only
17+00	-	29+00+/-	1 ¾”	travel lane only 20’+/- straight grade mainline and shoulder
Exit 5A Off Ramp to Saint John Street (Collector/Distributor)				
0+00	-	2+00+/-	1 ¾”	20’ +/- straight grade mainline and shoulder
2+00	-	8+20+/-	1 ¾”	16’+/- travel lane only
8+20	-	9+75+/-	1 ½”	full width
9+75	-	14+05+/-	1 ¾”	Bridge Deck 15’
14+05	-	15+70+/-	1 ½”	mainline and left shoulder full width
15+70	-	24+50+/-	1 ¾”	Bridge Deck 15’+/-
24+50	-	26+85+/-		mainline and left shoulder Bridge Deck
26+85	-	29+90+/-	1 ¾”	See Mainline 15’+/-
29+90	-	31+90+/-	1 ¾”	mainline and left shoulder 20’ +/- straight grade mainline and shoulder

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Ramps

Station	to	Station	Depth	Remarks
Exit 5 On Ramp to Congress Avenue 5B Off				
0+00	-	1+40+/-	1 ¾"	full width
1+40	-	8+50+/-	1 ¾"	18'+/- mainline and right shoulder
8+50	-	11+88+/-	1 ¾"	16'+/- mainline and right shoulder
11+88	-	13+53+/-		Bridge Deck See Mainline
13+53	-	17+50+/-	1 ¾"	16'+/- mainline and right shoulder
17+50	-	28+00+/-	1 ¾"	18'+/- mainline and right shoulder
0+00	-	2+00+/-	1 ¾"	full width spur on ramp
24+00	-	26+00+/-	1 ¾"	full width spur off ramp
Exit 5B Off Ramp to Park Avenue				
0+00	-	1+65+/-	1 ¾"	20'+/- travel lane only
1+65+/-	-	6+60+/-	1 ¾"	20'+/- mainline and right shoulder
Exit 5B On Ramp				
0+00	-	8+30+/-	1 ¾"	18'+/- mainline and right shoulder
Park Avenue On Ramp				
0+00	-	3+65+/-	1 ¾"	full width
3+65+/-	-	4+80+/-	1 ½"	full width Bridge Deck
4+80+/-	-	7+30+/-	1 ¾"	full width
7+30+/-	-	8+35+/-	1 ½"	full width Bridge Deck
8+35+/-	-	9+75+/-	1 ¾"	20'+/- mainline and right shoulder
9+75+/-	-	10+90+/-		Bridge Deck See Mainline
10+90+/-	-	17+00+/-	1 ¾"	20'+/- full width
17+00+/-	-	20+25+/-	1 ¾"	full width

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Ramps

Station	to	Station	Depth	Remarks
Exit 6A Off Ramp				
0+00	-	3+00+/-	1 ¾"	full width
3+00+/-	-	14+50+/-	1 ¾"	18'+/- mainline and left shoulder
Exit 6A On Ramp to Exit 6B Off Ramp				
0+00+/-	-	8+00+/-	1 ¾"	20'+/- mainline and right shoulder
8+00+/-	-	9+25+/-		Bridge Deck See Mainline
9+25+/-	-	18+80+/-	1 ¾"	18'+/- mainline and right shoulder
Exit 6B On Ramp to Exit 7 Off Ramp (Right Lane)				
0+00	-	1+00+/-	1 ¾"	full width
1+00+/-	-	8+10+/-	1 ¾"	20'+/- mainline and left shoulder
8+10+/-	-	10+05+/-	1 ¾"	15'+/- travel lane only
10+05+/-	-	11+20+/-		Bridge Deck See Mainline
11+20+/-	-	13+50+/-	1 ¾"	14'+/- travel lane only
13+50+/-	-	28+50+/-	1 ¾"	12'+/- travel lane only
Exit 7 Off Ramp (Left Lane)				
17+65+/-	-	28+20+/-	1 ¾"	12'+/- travel lane only

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Ramps

Station	to	Station	Depth	Remarks
Exit 7 On Ramp to Exit 8 Off Ramp (Left Lane)				
0+00	-	1+00+/-	1 ¾"	full width
1+00+/-	-	13+00+/-	1 ¾"	16'+/- travel lane only
13+00+/-	-	16+60+/-	1 ¾"	18'+/- travel lane only
16+60+/-	-	40+20+/-	1 ¾"	12'+/- travel lane only
40+20+/-	-	45+20+/-		Bridge Deck See Mainline
45+20+/-	-	49+20+/-	1 ¾"	12'+/- travel lane only
49+20+/-	-	55+50+/-	1 ¾"	16'+/- mainline and left shoulder
55+50+/-	-	56+95+/-	1 ¾"	16' to 22' full width
56+95+/-	-	58+70+/-	1 ¾"	24'+/- travel lanes and shoulder
1+00+/-	-	25+50+/-	1 ½"	10' +/- Right shoulder
25+50+/-	-	35+20+/-	1 ½"	12' +/- Right shoulder
Exit 8 On ramp to Exit 8 Off Ramp (Right Lane)				
5+90+/-	-	12+00+/-	1 ¾"	full width
12+00+/-	-	17+04+/-	1 ¾"	14'+/- travel lane only
17+04+/-	-	18+81+/-	1 ½"	full width Bridge Deck
18+81+/-	-	25+61+/-	1 ¾"	12'+/- travel lane only
25+61+/-	-	30+61+/-		Bridge Deck See Mainline
30+61+/-	-	44+20+/-	1 ¾"	12'+/- travel lane only
12+00+/-	-	17+04+/-	1 ½"	8' +/- Right shoulder
18+81+/-	-	25+61+/-	1 ½"	8' +/- Right shoulder
30+61+/-	-	40+50+/-	1 ½"	8' +/- Right shoulder
40+50+/-	-	44+20+/-	1 ½"	4' +/- Right shoulder

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Ramps

Station	to	Station	Depth	Remarks
Baxter Boulevard Ramp to Exit 9 Off Ramp (Right Lane)				
0+00	-	3+86+/-	1 ¾"	20'+/- mainline and right shoulder
3+86+/-	-	8+68+/-		Bridge Deck (No Work)
8+68+/-	-	12+00+/-	1 ¾"	20'+/- mainline and right shoulder
12+00+/-	-	12+70+/-	1 ¾"	12'+/- travel lane only
12+70+/-	-	13+10+/-		Bridge Deck See Mainline
13+10+/-	-	14+65+/-	1 ¾"	12'+/- travel lane only
14+65+/-	-	16+26+/-		Bridge Deck See Mainline
16+26+/-	-	17+20+/-	1 ¾"	12'+/- travel lane only
17+20+/-	-	17+70+/-		Bridge Deck See Mainline
17+70+/-	-	32+50+/-	1 ¾"	12'+/- travel lane only
0+00	-	3+86+/-	1 ½"	8' +/- Right shoulder
3+86+/-	-	8+68+/-		Bridge Deck (No Work)
8+68+/-	-	12+70+/-	1 ½"	8' +/- Right shoulder
12+70+/-	-	13+10+/-		Bridge Deck See Mainline
Exit 9 Off ramp (Left Lane)				
21+52+/-	-	32+50+/-	1 ¾"	12'+/- travel lane only
32+50+/-	-	38+25+/-	1 ¾"	20'to 12' travel lane only

Construction Notes

202.2023 Removing Pavement Surface – Medium Cut Drum (Continued)

Southbound Ramps

Station	to	Station	Depth	Remarks
Exit 8 Off Southbound to Washington Street				
0+00	-	10+00+/-	1 ¾”	full width mainline and shoulders
Exit 7 Off Southbound to Franklin Street				
42+75+/-	-	57+00+/-	1 ¾”	travel lanes and 4’ shoulder
57+00+/-	-	62+50+/-	1 ¾”	full width
Exit 7 On Southbound from Franklin Street				
0+00	-	4+75+/-	1 ¾”	full width
4+75+/-	-	14+50+/-	1 ¾”	18’+/- mainline and right shoulder

**Above locations are estimates only and may be changed by the Resident.
Shoulder areas shall be milled as directed.**

Contractor will remove pavement to maintain existing cross slopes or as directed by the Resident. Bridges will be profiled for milling and paving operations. Mark downs shall be in place on Mainline prior to commencing milling operations. Contractor will establish centerline control points prior to removal of existing centerline. **Contractor is advised that the crack near centerline may not represent true centerline.** The centerline may require adjustment to maintain the twelve-foot travel lanes, and a four-foot passing lane shoulder widths. See Typical for ramps.

403.2111 9.5mm Polymer Modified Hot Mix Asphalt (Shim)

This item to be used for a leveling course, for ramps, crossovers, possible de-lamination areas in the pavement removal areas, rutting areas, and overlay areas, and as directed the Resident.

410.151 Emulsified Asphalt Sealcoat Applied

To be applied to the 4’ & 10’ shoulders the entire length of project and as directed. Item will be applied after Item 202.206 Rumble Strips – Edgeline and Centerline has been completed. It is the intent to seal the rumble strip areas. Shoulders that are not resurfaced on ramps and mainline will be seal coated.

Construction Notes

424.22 Asphalt Rubber Crack Sealer Type 2, Applied

Item will be used to treat centerline, longitudinal cracks on mainline & shoulders, including ramps, as determined and directed by the Resident.

424.3333 Low Modulus Joint Sealer, Applied

Centerline longitudinal joint and bridge gutter lines.

424.38 Crack Repair- Hot Pour Mastic

Item will be used to treat centerline, longitudinal cracks on mainline & shoulders, including ramps, as determined and directed by the Resident.

519.60 Expansion Device – Asphaltic Plug Joint

Item shall be used to replace existing joints at the following locations or as determined by the Resident:

<u>Bridge</u>	<u>Common Name</u>	<u>Joint</u>	<u>Length</u>
6249	Westbrook Street	North	55'
6291	Fore River	South	81'
6292	Fore River Parkway	South	92'
	Fore River Parkway	North	92'
6295	St. James Street	South	46'
	St. James Street (Ramp)	South	21'
6296	PTRR-St. John Street	South	47'
	St. John Street (Ramp)	South	21'
6297	St. John Street	North	67'
6298	Forest Avenue	South	51'
6299	Preble Street	North	64'
6300	Franklin Arterial	North	45'

627.30 Grooving for Pavement Marking

Item shall include yellow edge line, white edge line, and white skips. Skip lines shall be ground 15 feet in length.

Construction Notes

627.78 Temporary 4" Painted Pavement Marking Line, White or Yellow

All areas that have received the surface course shall be painted prior to being opened to traffic or immediately after the lane closure is removed. Any striping procedure besides paint, including white and yellow temporary approved raised pavement markers, shall be considered incidental.

627.781 Temporary 6" Painted Pavement Marking Line, White or Yellow

Item is to be used once lanes have been milled, prior to being opened to traffic or immediately after the lane closure is removed. Any striping procedure besides paint, including white and yellow temporary approved raised pavement markers, shall be considered incidental.

629 & 631 Items

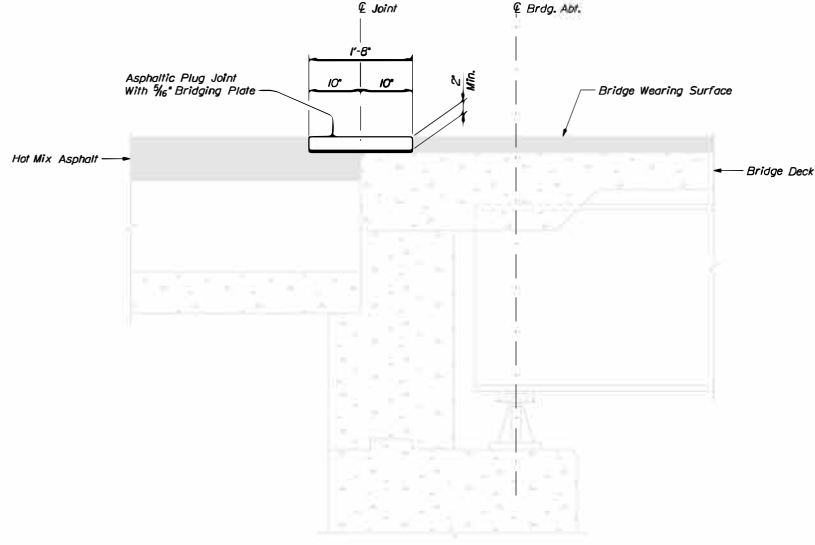
These Items to be used for plumbing existing delineator posts, cleaning culverts, cleaning winter sand from guardrail areas and paved areas under overpasses, and removing excess material from in-slopes, in-slopes behind guardrail areas, ditching, and other work as directed. All equipment used for certain tasks and operations will be as directed by the Resident.

643.86 Traffic Signal Loop Detectors

Item shall be used to replace existing loops at Exit 7 Northbound Off, Franklin Arterial or as determined by the Resident:

652.35 Construction Signs

Two "Road Work Next 9 Miles" signs are required as part of this project for northbound lanes. Two "Road Work Next 3 Miles" signs are required as part of this project for southbound lanes.



ASPHALTIC PLUG JOINT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION FEDERAL NO. 2242001		SIGNATURE	
WIN 22420.01		P.R. NUMBER	
BRIDGE PLANS		DATE	
PROJ. MANAGER	DESIGNER	DATE	BY
J. Stille	M. C. 10/19/19	1/23/2019	M. C. 10/19/19
DESIGN DETAIL 1	DESIGN DETAIL 2		
DESIGN DETAIL 3	DESIGN DETAIL 4		
REV'S: DIS 1	REV'S: DIS 2		
REV'S: DIS 3	REV'S: DIS 4		
FILED CHANGES			
INTERSTATE - 295 SOUTH PORTLAND & PORTLAND CUMBERLAND COUNTY			
ASPHALTIC PLUG JOINT			
SHEET NUMBER			
1			
OF 1			