



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

April 8, 2022
Subject: Pavement Milling & Ultra-Thin
Bonded Wearing Course with Drainage &
Safety Improvements
State WINs: 024915.00, 025139.00,
025141.00, 025775.00 & 025777.00
Location: **Glenburn, Kenduskeag, Bangor
& Old Town**
Amendment No. 1

Dear Sir/Ms.:

Make the following changes to the Bid Documents:

In the Bid Book:

ADD the attached CROSS SLOPE SHEET for WIN 025139.00, 3 pages, dated April 5, 2022.

ADD the attached CROSS SLOPE SHEET for WIN 025141.00, 1 page, dated March 24, 2022.

REMOVE pages 55 – 59, CONSTRUCTION NOTES for WIN 25139.00, 5 pages, dated March 10, 2022, and **REPLACE** with the attached, revised CONSTRUCTION NOTES for WIN 25139.00, 5 pages, dated April 5, 2022.

Consider these changes and information prior to submitting your bid on **April 20, 2022**.

Type text here

Sincerely,

A handwritten signature in blue ink that reads 'George Macdougall'.

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

CROSS SLOPE SHEET

Station	Left Slope %	Centerline Cut inches	Right Slope %
228+00	-4.0		3.5
227+50			4.0
224+00	-4.0		4.0
223+50	-3.0		2.0
223+00		-1.5	0.5
222+50		-0.75	-2.0
222+00		0.0	-2.5
221+50		-0.75	
221+00		-0.75	
220+50		-1.5	
212+50		-1.5	
212+00	-3.0	-0.75	
211+50	-1.5	-0.75	
211+00	0.5	-1.5	-2.5
210+50	2.0		-3.0
210+00	2.5		
209+50	2.5		
209+00	3.0		
208+50	3.0		-3.0
208+00	3.5		-3.5
202+50	3.5		
202+00	2.0		
201+50	1.0		-3.5
201+00	-1.0		-2.5
200+50	-3.0		-1.0
200+00			-0.5
199+50	-3.0		0.0
199+00	-3.5		1.0
198+50	-4.0		2.0
198+00	-4.0		4.0
197+50	-5.0		4.5
197+00	MATCH	-1.5	MATCH
BRIDGE # 2771 - CONCRETE DECK			
195+95	END WIN 25141.00		

Station	Left Slope %	Centerline Cut inches	Right Slope %
262+00	-3.0		
261+50	-2.5		
259+00		-1.5	
258+50		-1.0	
258+00		-0.50	
257+50		-0.25	
257+00		-0.75	-3.0
256+50		-0.75	-2.5
256+00		-1.5	-1.5
255+50			0.0
255+00			1.0
254+50		-1.5	1.5
254+00		-2.5	2.0
253+50			2.5
249+00		-2.5	2.5
248+50		-1.5	1.5
248+00			0.5
247+50			-1.0
247+00			-1.5
246+50			-2.5
237+00	-2.5		-2.5
236+50	-0.5		-3.0
236+00	2.0		-3.0
235+50	3.5		-4.0
235+00	4.0		-5.0
234+50	4.0		
234+00	5.0		
231+00	5.0		-5.0
230+50	4.0		-4.0
230+00	2.5	-1.5	-2.5
229+50	0.5	-0.75	-0.5
229+00	-1.5	-1.5	1.5
228+50	-3.0		3.0

CROSS SLOPE SHEET

Station	Left Slope %	Centerline Cut inches	Right Slope %
335+00			2.0
334+50			2.5
326+00			2.5
325+50			1.5
325+00			0.5
324+50			-0.5
324+00		-2.5	-1.0
323+50		-1.5	-2.5
323+00	-2.5		
322+50	-2.0		
319+00			-2.5
318+50			-3.0
313+50	-2.0		
313+00	-2.5		
312+50	-3.0		
305+00	-3.0		
304+50	-1.5		-3.0
304+00	0.0		-3.0
303+50	1.0		-3.0
303+00	3.0	-1.5	-4.0
302+50	4.0	-2.5	
300+50	4.0	-2.5	
300+00	2.5	-1.5	-4.0
299+50	1.5		-3.5
299+00	-0.5		-3.0
298+50	-2.0		
298+00	-2.5		
297+50	-2.5		
297+00	-3.0		

Station	Left Slope %	Centerline Cut inches	Right Slope %
385+00	3.0	-1.5	-3.0
384+79	MATCH	-1.5	MATCH
BRIDGE # 2967 - CONCRETE DECK			
383+27	MATCH	-1.5	MATCH
383+00	2.5		-2.5
381+00		-1.5	
380+50		-2.5	
374+50	2.5		
374+00	1.0		
373+50	0.0		
373+00	-1.0	-2.5	
372+50	-2.0	-1.5	
372+00	-2.0		
371+50	-2.5		
356+00	-2.5		
355+50	-3.0		
347+00	-3.0		
346+50	-2.0		-2.5
346+00	-1.0		-3.0
345+50	1.0		-3.5
345+00	2.0	-1.5	
344+50	3.5	-2.5	
341+00	3.5	-2.5	
340+50	2.0	-1.5	-3.5
340+00	0.5		-3.0
339+50	0.0		-2.5
339+00	-1.5		-2.0
338+50	-2.0		
337+50	-2.0		-2.0
337+00	-2.5		-1.0
336+50			0.0
336+00		-1.5	1.0
335+50		-2.5	1.5

CROSS SLOPE SHEET

Station	Left Slope %	Centerline Cut inches	Right Slope %
428+25	MATCH	-1.5	MATCH
428+00	-1.5		-3.0
427+50	-1.5		
427+00	-2.0		-3.0
426+50	-2.5		-2.5
419+00	-2.5		-2.5
418+50	-3.0		0.0
418+00		-1.5	1.0
417+50		-2.5	2.0
417+00			3.0
394+00			3.0
393+50			2.0
393+00		-2.5	0.5
392+50	-3.0	-1.5	-1.0
392+00	-2.5		-2.0
391+50	-2.0		
391+00	-2.0		-2.0
390+50	-1.5		-3.0
390+00	-0.5		
389+50	1.0	-1.5	
389+00	2.0	-2.5	
388+50	3.0		
385+50		-2.5	

CROSS SLOPE SHEET

Station	Left Slope	Centerline	Right Slope
	%	Cut	%
		inches	
197+00	BEGIN WIN 25139.00		
BRIDGE # 2771 - CONCRETE DECK			
195+95	MATCH	-2.0	MATCH
195+50	-6.0		4.5
195+00			4.5
194+50			5.0
194+00			5.5
192+50			5.5
192+00	-6.0		5.0
191+50	-5.5		4.5
191+00	-5.0		3.0
190+50	-4.0		1.0
190+00	-3.0		0.0
189+50	-2.0		-1.0
189+00			-2.0
187+50		-2.0	
187+00		-2.5	
159+50	-2.0		
159+00	-1.0		
158+50	0.0		-2.0
158+00	1.0		-3.0
157+50	2.0		-4.0
155+50	2.0		
155+00	1.0		
154+50	0.0		
154+00	-1.0	-2.5	-4.0
153+60	MATCH	-2.0	MATCH

Construction Notes

202.203 Removing Pavement Surface – Medium Cut Drum

Travel Way

Station	to	Station	Side	Width	Comments
197+44		428+25	LT	13'	
197+44		428+25	RT	13'	

Turn Lane / Bypass Lane

Station	to	Station	Side	Width	Comments
281+36		287+19	RT	11'	Turn Lane

Shoulder

Station	to	Station	Side	Width	Comments
229+50		234+50	RT	8'	Match Proposed Travel Way Slope

Note: Additional areas of shoulder milling may be added at the discretion of the Resident, if there are locations where joint at the shoulder match point is excessively high.

Base Repair Areas

Station	to	Station	Side	Width	Comments
197+20		200+64	LT	9'	4½" HMA
210+56		214+56	LT	9'	4½" HMA
220+56		229+56	LT	9'	4½" HMA
223+16		225+81	LT	9'	4½" HMA

Contractor will remove pavement maintaining existing cross slopes unless otherwise directed by the Resident. 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.

The Contractor will retain 100% of the millings generated on this project.

202.203 Pavement Butt Joints

This item is intended to be used as directed by the Resident.

403.209 Hot Mix Asphalt 9.5 mm (Incidentals)

This item is intended to be used as directed by the Resident.

Construction Notes

403.211 Hot Mix Asphalt (Shim)

Travel Way

Station	to	Station	Side	Width	Comments
197+44		428+25	LT	13'	
197+44		428+25	RT	13'	

Shoulder

Station	to	Station	Side	Width	Comments
326+50		331+50	RT	8'	

Turn Lane / Bypass Lane

Station	to	Station	Side	Width	Comments
281+36		287+19	RT	11'	Turn Lane

403.213 Hot Mix Asphalt 12.5mm Base

Base Repair areas

Station	to	Station	Side	Width	Comments
197+20		200+64	LT	9'	4½" HMA
210+56		214+56	LT	9'	4½" HMA
220+56		222+56	LT	9'	4½" HMA
223+16		225+81	LT	9'	4½" HMA

Shoulder

Station	to	Station	Side	Width	Comments
229+50		234+50	RT	8'	2½" HMA

409.15 Bituminous Tack Coat, Applied

This item will be used in areas where Item 403.211 HMA Shim and Item 403.213 HMA Base is required. Also as directed by the Resident.

410.151 Emulsified Asphalt Sealcoat, Applied

This item will be used to fog seal all existing paved shoulder areas that are not being milled and paved and as directed by the Resident. Any necessary patching of existing shoulder potholes, etc. will be completed prior to this item being applied.

Construction Notes

424.22 Asphalt Rubber Crack Sealer Type 2, Applied

This item shall be applied as needed on mainline after milling and before HMA Shim is placed. Existing paved shoulder areas receiving Emulsified Asphalt Sealcoat shall also be treated with this item prior to the application of the sealcoat as directed by the Resident.

424.38 Crack Seal – Hot Pour Mastic

This item shall be applied as needed on mainline after milling and before HMA Shim is placed and as directed by the Resident.

462.301 Polymer Modified Ultra-Thin Bonded Wearing Course

Travel Way

Station	to	Station	Side	Width	Comments
197+44		428+25	LT	13'	
197+44		428+25	RT	13'	

Truck Lane / Bypass Lane

Station	to	Station	Side	Width	Comments
281+36		287+19	RT	11'	Turn Lane

Shoulder

Station	to	Station	Side	Width	Comments
229+50		234+50	RT	8'	
326+50		331+50	RT	8'	

Actual start and stop locations for truck lanes and bypass lanes shall be determined in the field by the Resident.

603.55 Concrete Pipe Ties

Station	Side	Quantity	Comments
424+85	LT	2	
424+85	RT	2	

Construction Notes

606.356 Underdrain Delineator Posts

The Contractor shall place one delineator post at the inlet and outlet ends of each existing cross culvert that is 36" or less in diameter and one delineator post at each existing underdrain outlet. There are approximately 11 existing cross pipes and 1 underdrain outlet that meet these criteria (requiring 23 posts). A list of approximate stations and GPS coordinates for each cross pipe location is available from the Department upon request.

The Department will provide and install the appropriate signage on each of the newly installed delineator posts.

603.7442 Remove & Relay 42" Concrete Pipe

Station	Side	Length (ft)	Comments
424+85	LT	16	
424+85	RT	16	

610.08 Plain Riprap

Station	Side	Comments
424+85	LT	
424+85	RT	

620.58 Erosion Control Geotextile

Station	Side	Comments
424+85	LT	
424+85	RT	

627.733 4" White or Yellow Painted Pavement Marking Line

Center lines and edge lines shall be painted on all matched pavement within one week. Center line TOMs may be utilized until final striping and will be considered incidental to the contract.

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

Construction Notes

627.78 Temporary 4" Pavement Marking Line White or Yellow

All areas where the existing striping is removed under Item 202.2023 – Removing Pavement Surface – Medium Cut Drum will receive (1) application of temporary striping prior to placing the Ultra-Thin Bonded Wearing Course.

Centerline and edge lines will receive one application of temporary paint on the Ultra-Thin Bonded Wearing Course prior to final striping.

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.

629.05, 631.12, & 631.172 Hourly Rental Items

These items will be used to pay for backing the edge of pavement, cleaning excess winter sand from guardrail areas and other locations as needed, and for shaping the inslope as needed. All equipment used for certain tasks and operations will be as directed by the Resident.