



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

May 6, 2024
Subject: Pavement Milling, Hot Mix Asphalt Overlay
State WIN: 027714.00
Location: **Windham & Gray**
Amendment No. 1

Dear Sir/Ms.:

In the Bid Book:

Insert CROSS SLOPE SHEET 27714.00 dated April 29, 2024 Totaling one page

Remove page thirty-three titled TITLE SHEET dated 4-19-24 and Replace with the attached Title Sheet dated 4/29/2024

Remove pages forty three to forty four titled TYPICAL SECTIONS 9 of 10 and 10 of 10 and Replace with the attached TYPICAL SECTIONS 1 of 1

Remove pages forty-five through forty nine titled PROJECT STATIONING dated March 12, 2024 and Replace with the attached PROJECT STATIONING dated April 29, 2024

Remove pages fifty through fifty-eight titled CONSTRUCTION NOTES dated April 16, 2024, and Replace with the attached CONSTRUCTION NOTES Dated April 29, 2024

Consider these changes and information prior to submitting your bid on **May 8, 2024**.

Sincerely,

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

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

CROSS SLOPE SHEET

STA	Left Shoulder Cut @ Gutter inch	Left Travel Lane Slope %	Turn Lane Slope %	Right Travel Lane Slope %	Control Line Cut Depth inch	Right Shoulder Cut @ Gutter inch
1015+30	-0.75	Match	Match	Match	-0.75	-0.75
1013+50		Match	Match	Match		
1013+00		-2.0	-2.00	-1.0		
1012+50		-2.0	-2.00	-1.0	-0.75	-0.75
1012+00		-2.5	-2.50	-2.0	-1.50	-1.50
1011+50		-4.0	-3.50	-3.0		
1011+00		-4.0	-4.00	-4.0		
1010+50		-5.0				
1009+50		-5.0				
1009+00		-4.0		-4.0		
1008+50		-4.0	-4.00	-3.0	-1.50	-1.50
1008+00		-3.5	-3.50	-3.0	-0.75	-0.75
1007+50		Match	Match	Match		
1005+10	-0.75	Match	Match	Match	-0.75	-0.75

- Notes:**
1. Shimming shall be full width from 1007+50 to 1013+50. Unless otherwise directed, there will be no shimming outside these limits.
 2. The milling/shimming control point will be the existing right fog line. Milling depths/slopes are as described above; HMA shim will be placed at an average depth of 0.5" at the control point and will be shimmed to the slopes provided in the slope sheet.
 3. Shoulders will be milled in a manner so that the slope will not exceed -6% and/or is no flatter than the adjacent travelway excluding the highside of a super elevated curve.

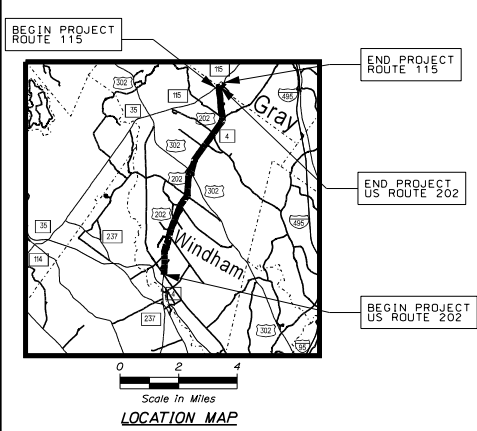
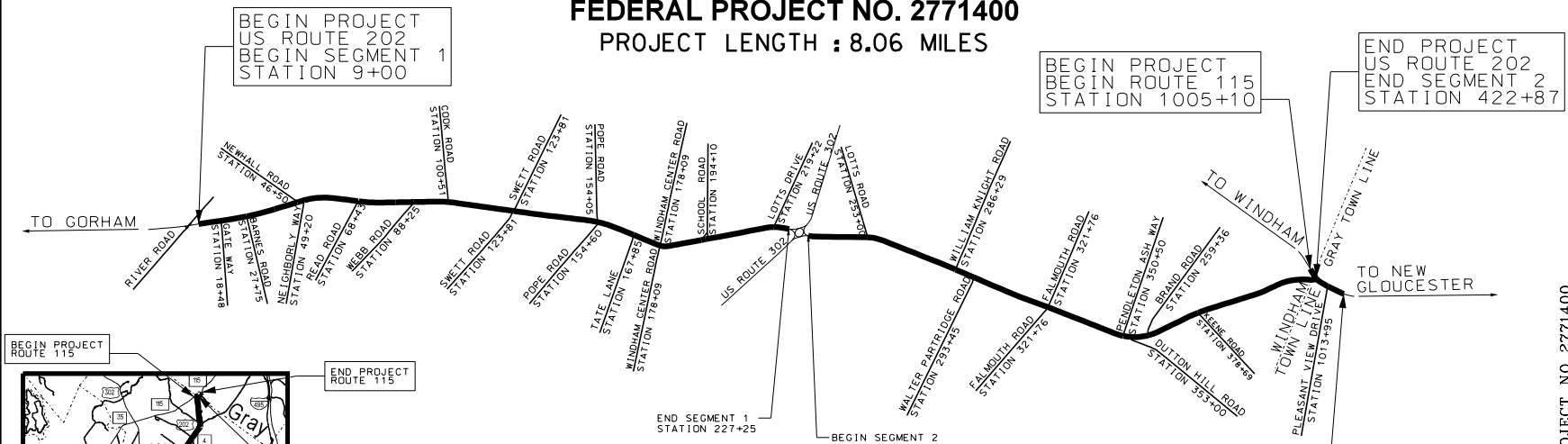
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



WINDHAM - GRAY

CUMBERLAND COUNTY
US ROUTE 202 AND ROUTE 115

FEDERAL PROJECT NO. 2771400
PROJECT LENGTH : 8.06 MILES



	SEC. 1	SEC. 2
TRAFFIC DATA		
Current (2023) AADT	13070	7030
Future (2035) AADT	14380	7730
DHV - % of AADT	13%	13%
Design Hour Volume	1582	1005
% Heavy Trucks (AADT)	9%	9%
% Heavy Trucks (DHV)	7%	7%
Directional Distribution (DHV)	56%	59%
Design Speed (mph)	35, 40, 50	35, 40, 50
18-KIP Equivalent 2.0	592	277
18-KIP Equivalent 2.5	564	264
Functional Class	Minor Arterial	Minor Arterial
Corridor Priority	2	2

PROJECT LOCATION:	ROUTE 115: BEGINNING 0.07 OF A MILE WEST OF THE GRAY TOWN LINE AND EXTENDING EAST 0.20 MILES. ROUTE 202: BEGINNING 0.04 MILES NORTH OF RIVER ROAD AND EXTENDING NORTH 7.86 MILES.
PROGRAM AREA:	REGIONAL PROGRAM
SCOPE OF WORK:	ULTRA-THIN BONDED WEARING COURSE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER		
CHIEF ENGINEER		

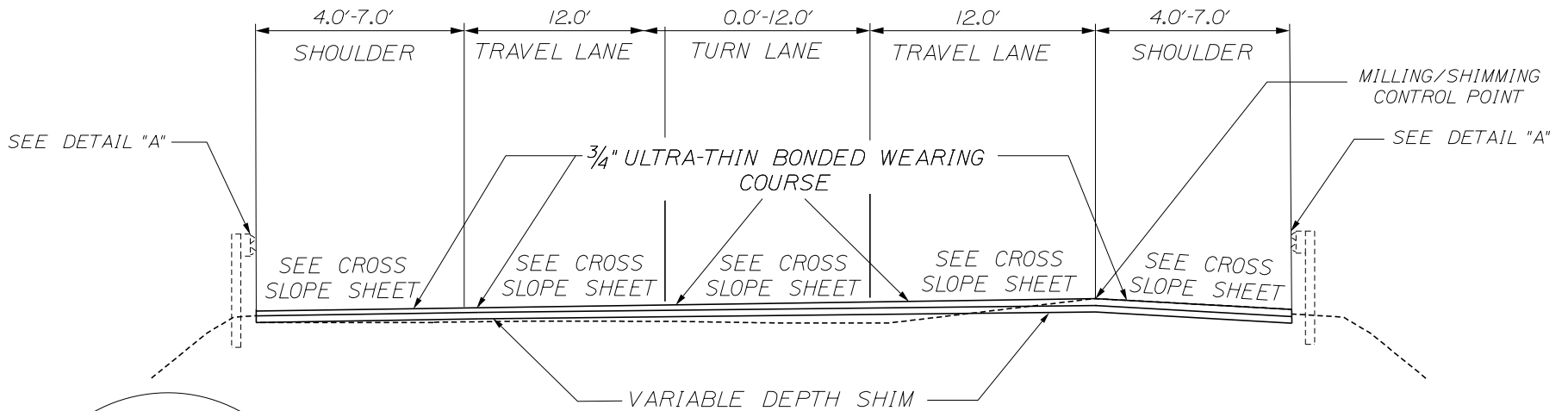
PROJECT INFORMATION	PROGRAM NUMBER	PROJECT NUMBER	PROJECT COMPLETION DATE
PROJECT NAME	CONTRACTOR		
PROJECT LOCATION	CONTRACT NO.		
PROJECT DESCRIPTION			

WIN 27714.00	FEDERAL PROJECT NO. 2771400
WINDHAM - GRAY	
US ROUTE 202 AND ROUTE 115	
TITLE SHEET	

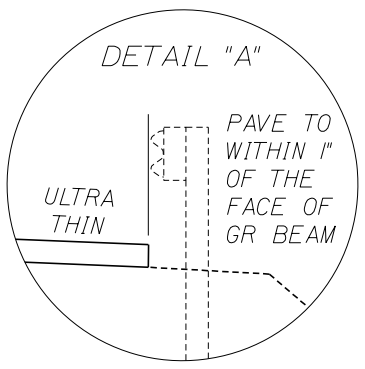
SHEET NUMBER	1
OF 1	

Filename: ...MSTFA001_Title_27714.00.dgn
 Division: HIGHWAY
 Username: Matthew.J.Guess
 Date: 4/29/2024

ULTRA-THIN BONDED WEARING COURSE



STATIONS
1005+10 TO 1015+30



NOTE: THE FOG LINE ON STATION RIGHT, SHALL BE THE CONTROL POINT FOR MILLING AND SHIMMING. PLEASE REFER TO THE CROSS SLOPE SHEETS.

NOT TO SCALE

WINDHAM - GRAY US ROUTE 202 AND ROUTE 115		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER
TYPICAL SECTIONS	WIN 27714.00	2771400 HIGHWAY PLANS	1 OF 1

PROJECT STATIONING

<u>Left</u>	<u>Station</u>	<u>Right</u>
	110+45	Pole 119
	104+70	Pole 115
Cook Road	100+51	
Pole 108	94+43	
	88+25	Webb Road
Pole 96	85+45	
Pole 91	79+59	
	74+03	Pole 2061
	68+43	Read Road
	61+61	Pole 78
	55+53	Pole 74
	49+20	Neighborly Way
Newhall Road	46+50	
	45+05	Pole 66
	40+53	Pole 62
	34+86	Pole 58
	27+75	Barnes Road
	24+60	Pole 49
	18+48	Gate Way
	14+76	Pole 41
Begin Project/Begin Segment 1	9+00	Begin Project/Begin Segment 1

PROJECT STATIONING

<u>Left</u>	<u>Station</u>	<u>Right</u>
	205+48	Pole 180
Pole 177	200+31	
School Road	194+10	
Pole 170	190+22	
	184+78	Pole 166
Windham Center Road	178+09	Windham Center Road
Pole 156	174+28	
Pole 153	170+28	
	167+85	Tate Lane
Pole 150 ½	165+06	
Pole 148 ½	159+76	
	154+60	Pope Road
Pope Road	154+05	
Pole 145 ½	150+47	
	144+98	Pole 143
	140+75	Pole 140
	134+58	Pole 136
	130+43	Pole 133
Swett Road	123+81	Swett Road
	120+46	Pole 126
	114+85	Pole 122

PROJECT STATIONING

<u>Left</u>	<u>Station</u>	<u>Right</u>
Pole 237	300+12	
Pole 234	295+39	
	293+45	Walter Partridge Road
Pole 231	290+84	
William Knight Road	286+29	
	280+54	Pole 224
	276+20	Pole 221
	270+35	Pole 217
	266+00	Pole 214
	260+33	Pole 210
Pole 207	255+10	
Lotts Drive	253+00	
	249+42	Pole 9
	243+49	Speed Limit 50
	239+75	Pole 4
	237+12	Pole 3
Begin Segment 2	231+70	Begin Segment 2
	Skip Rotary	
End Segment 1	227+25	End Segment 1
Lotts Drive	219+22	
Pole 184 ½	215+45	

PROJECT STATIONING

<u>Left</u>	<u>Station</u>	<u>Right</u>
Pole 299	400+62	
	396+20	Pole 297
	391+35	Pole 296
Pole 293	384+17	
	378+69	Keene Road
Pole 287	374+96	
	369+57	Pole 284
	365+91	Pole 282
Brand Road	259+36	
	355+46	Pole 273
	353+00	Dutton Hill Road
Pendleton Ash Way	350+50	
	345+55	Pole 266
Pole 263	339+89	
Pole 261	335+34	
	329+42	Pole 257
Pole 254	325+50	
Falmouth Road	321+76	
Pole 247	314+80	
Pole 243	309+24	
Pole 240	304+77	

PROJECT STATIONING

<u>Left</u>	<u>Station</u>	<u>Right</u>
End Project/End Route 115 Segment	1015+30	End Project/End Route 115 Segment
	1013+95	Pleasant View Drive
	1009+12	Route 202
Begin Route 115 Segment	1005+10	Begin Route 115 Segment
End Route 202 Segment 2	422+87	End Route 202 Segment 2
Pole 28.3	419+12	
Pole 302	404+81	
	414+16	Speed Limit 35
Pole 305	409+84	

CONSTRUCTION NOTES

202.2023 Removing Pavement Surface-Medium Cut Drum

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
153+25		225+40	Lt/Rt	Travelway
153+75		169+87	Rt	Slip Lane
157+38		160+50	Lt	Right Turn Lanes
166+12		169+87	Lt	and Shoulders
177+60		178+60	Lt/Rt	Intersection/Shoulder
231+70		419+00	Lt/Rt	Travelway
419+00		422+87	Lt/Rt	Travelway and Shoulder

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
1005+10		1015+30	Lt/Rt	Travelway and Shoulder

202.203 Pavement Butt Joints

<u>Station</u>	<u>Side</u>	<u>Comments</u>
9+00	Lt/Rt	Route 202
124+50	Lt/Rt	Route 202
227+25	Lt/Rt	Rotary

<u>Description</u>	<u>Qty</u>
Paved Drives	67
Commercial Drives	11
Sideroads	8

211.21 Inslope Rehabilitation

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
220+50		225+40	Lt
249+00		252+00	Lt
275+00		277+00	Lt
280+00		286+00	Lt

CONSTRUCTION NOTES

211.21 Inslope Rehabilitation (continued)

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
296+00		297+00	Lt
315+00		326+00	Lt
332+00		339+00	Lt
346+00		349+50	Lt
353+00		359+00	Lt
384+00		399+00	Lt
220+50		225+40	Rt
237+00		253+00	Rt
255+00		259+00	Rt
277+00		281+00	Rt
285+00		297+00	Rt
305+50		308+00	Rt
319+50		321+50	Rt
324+50		329+00	Rt
337+00		340+00	Rt
343+00		346+00	Rt
380+00		384+00	Rt
412+00		422+87	Rt

211.22 Inslope Rehabilitation - Guardrail

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
264+50		267+50	Lt
272+00		275+00	Lt
313+00		314+50	Lt
370+00		373+50	Lt
377+00		378+00	Lt
406+75		410+50	Lt
155+75		160+00	Rt
271+25		275+00	Rt
312+50		314+25	Rt
376+40		378+25	Rt
406+50		410+00	Rt

CONSTRUCTION NOTES

211.22 Inslope Rehabilitation – Guardrail (continued)

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1006+75		1011+40	Lt

403.209 Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Incidentals)

<u>Description</u>	<u>Qty</u>
Paved Drives	70
Commercial Drives	11
Gravel Drives	36

ADA Sidewalks

<u>Station</u>	<u>Side</u>	<u>Comment</u>
168+05	Lt	School
177+82	Lt	Windham Center Road Intersection
177+82	Rt	Windham Center Road Intersection
178+27	Rt	Windham Center Road Intersection

403.211 Hot Mix Asphalt Shim

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
9+00		124+50	Lt/Rt	Travelway and Shoulders
124+50		153+75	Lt/Rt	Shim Only (No Overlay)
153+75		225+40	Lt/Rt	Travelway and Turn Lanes
225+40		227+25	Lt/Rt	Shim Only (No Overlay)
142+00		153+50	Lt/Rt	Spot Shim
234+60		235+10	Lt	Spot Shim

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
1007+50		1013+50	Lt/Rt	Travelway, Turn Lane, Shoulders

Shim as necessary to correct vee area.

CONSTRUCTION NOTES

410.153 Emulsified Asphalt Sealcoat with Grit, Applied

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
153+75		225+40	Lt/Rt	Shoulders
231+70		419+00	Lt/Rt	Shoulders

411.10 Untreated Aggregate Surface Course, Truck Measure

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
9+00		153+75	Lt	HMA millings generated on the project shall be used to back up edge of pavement and as directed by the Resident.
9+00		153+75	Rt	

<u>Description</u>	<u>Qty</u>
Gravel Drives	47
Mailboxes	50

424.22 Asphalt Rubber Crack Sealer Type 2, Applied

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
9+00		124+50	Lt/Rt	Travelway, Turn Lanes, and Shoulders
153+75		225+40	Lt/Rt	
231+70		422+87	Lt/Rt	

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
1005+10		1015+30	Lt/Rt	Travelway, Turn lanes, and Shoulders

To be used to seal all surface cracks less than 1" in width that remain after milling.

424.38 Crack Repair, Hot Pour Mastic

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
9+00		124+50	Lt/Rt	Travelway, Turn Lanes, and Shoulders
153+75		225+40	Lt/Rt	
231+70		422+87	Lt/Rt	

CONSTRUCTION NOTES

424.38 Crack Repair, Hot Pour Mastic (continued)

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
1005+10		1015+30	Lt/Rt	Travelway, Turn lanes, and Shoulders

To be used to seal all surface cracks greater than 1” in width that remain after milling and as directed by the Resident.

462.301 Polymer Modified Ultra-Thin Bonded Wearing Course

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
9+00		124+50	Lt/Rt	Travelway and Shoulders
153+75		225+40	Lt/Rt	Travelway
157+38		160+50	Lt	Turn Lane and Shoulder
166+12		169+87	Lt	Turn Lane and Shoulder
177+60		178+60	Lt/Rt	Intersection, Outside Lanes
231+70		419+00	Lt/Rt	Travelway
419+00		422+87	Lt/Rt	Travelway and Shoulders

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
1005+10		1015+30	Lt/Rt	Travelway, Turn Lane, And Shoulders

<u>Description</u>	<u>Qty</u>
Sideroads	8

606.178 Guardrail Beam

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
164+47		164+72	Rt

CONSTRUCTION NOTES

606.178 Guardrail Beam (continued)

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1008+87		1009+25	Lt

606.231 Guardrail Type 3c-15 ft Radius or Less

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
164+20		164+35	Rt

606.362 Guardrail Adjust

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1006+75		1011+40	Lt

606.48 Single Galvanized Steel Post

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1008+87		1009+25	Lt

608.26 Curb Ramp Detectable Warning Field

<u>Station</u>	<u>Side</u>	<u>Comment</u>
168+05	Lt	ADA Ramp
177+82	Lt	ADA Ramp
177+82	Rt	ADA Ramp
178+27	Rt	ADA Ramp

608.46 Regrading Sidewalk

<u>Station</u>	<u>Side</u>	<u>Comment</u>
168+05	Lt	ADA Ramp
177+82	Lt	ADA Ramp
177+82	Rt	ADA Ramp
178+27	Rt	ADA Ramp

CONSTRUCTION NOTES

609.31 Curb Type 3

<u>Station</u>	<u>Side</u>	<u>Comment</u>
168+05	Lt	ADA Ramp
178+27	Rt	ADA Ramp

609.38 Reset Curb Type 1

<u>Station</u>	<u>Side</u>	<u>Comment</u>
177+82	Lt	ADA Ramp
177+82	Rt	ADA Ramp

615.10 Dirty Borrow

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
155+00		166+00	Lt
411+00		422+87	Lt

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1011+40		1015+30	Lt
1007+00		1015+30	Rt

618.14 Seeding Method 2

619.12 Mulch

Route 202

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
155+00		166+00	Lt
220+50		225+40	Lt
231+70		422+87	Lt
153+50		225+40	Rt
231+70		422+87	Rt

Route 115

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
1005+10		1015+30	Lt/Rt

CONSTRUCTION NOTES

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.

627.75 White or Yellow Pavement and Curb Marking

Stop Bar:		Arrows	
<u>Station</u>	<u>Side</u>	<u>Type</u>	<u>Qty</u>
177+55	Rt	Turn	11
178+95	Lt	School Symbol	2
321+11	Rt		
322+40	Lt		
422+65	Rt		

Crosswalk

<u>Station</u>	<u>Side</u>
168+05	Lt/Rt
177+82	Lt/Rt
178+09	Rt

Two applications of paint will be required on all UTBWC areas. Each application will be paid for. Beads are only required on the second application.

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

Centerline and edge lines will receive one applications 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.

CONSTRUCTION NOTES

629.05 Hand Labor

631.12 All Purpose Excavator (Including Operator)

631.172 Truck-Large (Including Operator)

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
220+50		225+40	Lt
231+70		328+00	Lt
342+00		411+00	Lt
153+50		225+40	Rt
231+70		422+87	Rt

These items are to be used for inslope and ditch work at these stations, and as directed by the Resident.

643.86 Traffic Signal Loop Detectors

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
177+24		177+54	Rt
178+91		179+21	Lt

652.35 Construction Signs

Two (Roadwork Next 8 Miles) will be required for this project.

652.41 Portable Message Boards

<u>Location</u>	<u>Qty</u>
Route 115	2
Route 202	1
Route 302	2