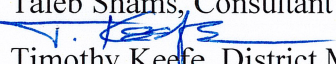


MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

DATE: January 24, 2017
TO: Taleb Shams, Consultant Project Manager – MS# 2-542
FROM:  Timothy Keefe, District Materials Pavement Manager – MS# 519
COPIES TO: M&R Project File
SUBJECT: FPN: 439236-1
SR 50 (Colonial Drive)
From Tampa Avenue / Country Lane to West of SR 500 (US 441) - OBT
Section # 75050; From MP 15.343 – 15.950
Orange County

Pavement Survey & Evaluation (PSE) Report

Attached are the signed & sealed (final) copies of the Pavement Survey & Evaluation (PSE) report for the above subject project. The coring effort and the PSE report development was done by D-5 Materials & Research personnel.

As stated in the PSE report, pavement distresses vary from outside (L2/R2) travel lanes to inside (L1/R1) travel lanes and the center bi-directional left turn lane. As such, the rehabilitation recommendations are provided to address the appropriate rehabilitation scheme involving multiple milling depths. The Designer/EOR should add a note in the plans for alerting Contractor to exercise caution when milling machines approaches the sanitary sewer manhole structures that exists in the travel lanes.

In effort to go paperless - a hardcopy of the PSE report will not be sent to you. Instead, an electronic file copy of the PSE report (attached herein) is provided to you for your project files. Please forward/share the report with your project Designer.

If you have any questions concerning the contents of the report, please feel free to contact me by email at timothy.keefe@dot.state.fl.us or by phone at 386-490-8065.

Thank you.

Attachments: Final S/S PSE Report

PAVEMENT SURVEY AND EVALUATION REPORT

FINANCIAL PROJECT NUMBER: 439236-1

STATE ROAD 50 (Colonial Drive)

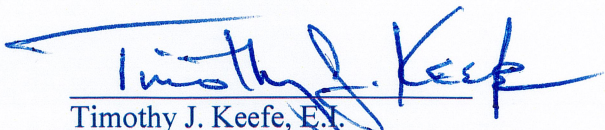
From Tampa Avenue / Country Lane to west of SR 500 (US 441) - OBT

Section #75050, MP 15.343 to MP 15.950

Orange County

January 24, 2018

PREPARED BY:



Timothy J. Keefe, F.E.
District Materials Pavement Manager

APPROVED BY:



Rafael M. Rodriguez, P.E.
District Pavement Materials Engineer
PE Number 68482

EXECUTIVE SUMMARY

FPN 439236-1; SR 50 (Colonial Drive)
Section #75050; MP 15.343 – 15.950

REHABILITATION RECOMMENDATIONS

The purpose of the project is to rehabilitate the asphalt pavement to extend the longevity of the SR 50 roadway. The previous mill/resurface work in 2006 only did the minimal milling of 1-inch for a resurfacing overlay of 1-inch of FC-9.5 friction course.

From MP 15.343 – MP 15.950 Outside Travel Lanes (L2/R2): Due to some pavement rutting and the extensive branch/alligator crack issues observed on the outside travel lanes, a more intensive rehabilitation is warranted. A milling depth of 3.5” is recommended for the outside travel lanes. This will remove the full depth of asphalt pavement and expose the limerock base. A 2-inch lift of Type SP structural course with a final lift of 1.5-inch of FC-12.5 friction course is recommended.

From MP 15.343 – MP 15.950 Inside Travel Lanes (L1/R1): The pavement is generally in fair to poor condition with some pavement shoving/slippage and some minor branch cracks observed. A milling depth of 2.5” is recommended for the inside travel lanes. A single lift of 2.5” FC-12.5 friction course is recommended.

From MP 15.343 – MP 15.950 Center Bi-Directional/Left Turn Lane (CTL/LLTL/RLTL): The pavement is generally in fair condition with few minor cracks observed. A milling depth of 1.5” is recommended for the center bi-direction / left turn lane. A single lift of 1.5” FC-12.5 friction course is recommended.

From MP 15.870 – MP 15.950 EB Right Turn Lane (RRTL): The pavement is generally in good condition with no cracks observed. A milling depth of 1.5” is recommended for the right turn lane. A single lift of 1.5” FC-12.5 friction course is recommended.

Notes to Designer:

- 1) Due to our milling recommendations, some base exposure will likely occur in areas of thinner pavement within the project limits. It is recommended that the Designer make provisions for Maintenance of Traffic and protection of exposed base due to thin pavement. The following plan note should be added to the typical sections as appropriate.**

“During milling operations, some base exposure will occur at certain locations. The Contractor is responsible for protection of the base and Maintenance of Traffic.”

- 2) Due to the aging utilities infrastructure buried beneath the roadway in this urbanized area – the Designer should add a note in the project plans for static compaction during paving of the asphalt lifts.**

PAVEMENT SURVEY AND EVALUATION REPORT

STATE ROAD 50 (Colonial Drive) From Tampa Avenue / Country Lane to west of SR 500 (US 441) - OBT

INTRODUCTION

This report presents an analysis of information collected during the above-referenced Pavement Survey and Evaluation (PSE). The proposed mill/resurface project is located in central Orange County, just west of downtown Orlando. The project starts from the intersection of Tampa Avenue / Country Lane (MP 15.343) and extends east to the pavement change seam just west of SR 500 (US 441/OBT) intersection (MP 15.950).

This segment of SR 50 was last milled and resurfaced under Financial Project Number 413590-1-52-01, and it was final accepted on 06/21/2006.

LOCATION MAP



CORING INFORMATION

Elipsis Engineering Consulting, LLC collected pavement core samples (3 cores at outside travel lanes and 2 cores at inside travel lane and center bi-directional lane) for this short project of 0.607 mile long. The purpose of collecting pavement cores is to get a general idea of the various pavement compositions for mainline travel lanes and left/right turn lanes. A total of 15 core samples (11 cores at mainline travel lanes, 2 cores at center bi-directional lane and 2 cores at eastbound right turn lane) were obtained from the subject roadway. The signed and sealed pavement core data sheets (dated December 15, 2017) are included in the Appendix. The following tables show the types of materials, average material thicknesses, layer thickness ranges, and total average pavement thickness along with a min-max range for the different sections of the subject roadway.

SR 50 (Colonial Drive)		
<u>MP 15.343 – 15.950</u> <i>Mainline Travel Lanes (L2, L1, R1, R2)</i>		
<i>Center Bi-directional Lane (CTL – RLTL/LLTL)</i>		
Type of Material (by layer)	Avg. Layer Thickness (in.)	Layer Thickness Range (in.)
FC-9.5	1.0	0.5 to 1.4
Type I	1.4	1.0 to 2.5
Surface Treatment	0.8	0.4 to 1.0
Limerock Base	7.6	7.0 to 8.4
<i>Average Pavement Thickness:</i>	3.2	---
<i>Core Thickness Range:</i>	---	2.0 to 4.2

Note 1: The following cores have FC-12.5 friction course layer instead of FC-9.5 friction course: Core #3 (MP 15.439 – L2); Core #12 (MP 15.542 – L1); and Core #14 (MP 15.452 – R1). These are the maintenance resurface patches that were done in 2013.

Note 2: Core #4A/#4B is a split core taken on R2 travel lane at MP 15.385. This is the pavement widening from the intersection return of Tampa Avenue. One-half of the core has a Surface Treatment layer in it which is indicative of original SR 50 pavement. The other one-half of the core has the full depth Type S structural asphalt which is indicative of widening pavement.

SR 50 (Colonial Drive)		
<u>MP 15.870 – 15.950</u> <i>Eastbound Right Turn Lane (RRTL) to SR 500 (US 441)-South</i>		
Type of Material (by layer)	Avg. Layer Thickness (in.)	Layer Thickness Range (in.)
FC-9.5	1.2	1.2 to 1.3
Type S	1.4	1.0 to 1.7
ABC Base	8.6	8.1 to 9.1
<i>Average Pavement Thickness:</i>	11.2	---
<i>Core Thickness Range:</i>	---	11.0 to 11.4

Note 3: A portion of the turn lane was milled and resurfaced as part of the Wawa gas station opening up at the intersection corner. Core # 7 (MP 15.889-RRTL) has the FC-12.5 friction course.

PAVEMENT CONDITION ASSESSMENT

The initial pavement condition survey was performed on November 6, 2017 and again with a follow-up visit on January 4, 2018. It has been over 11 years since the roadway was last milled and resurfaced in June 2006.

From MP 15.343 to MP 15.950 *From Tampa Avenue / Country Lane to W. of SR 500/US 441 (OBT)*

This section is a 5-lane undivided urban principal arterial roadway with four 11-ft travel lanes and a 12-ft paved median as center two-way left turn lane. It has a parabolic cross-section from MP 15.365 to MP 15.950. There is no paved shoulder however, there are Type F curb and gutter at edges of the outside (L2 / R2) travel lanes. The posted speed limit is 40 mph. The pavement has the dense-graded FC-9.5 Friction Course. The eastbound (R1/R2) travel lanes are in fair condition with a few localized areas of severe branch/alligator cracks noted. Unlike the eastbound travel lanes, the westbound (L1/L2) travel lanes are in poor condition with moderate to severe branch/alligator cracks appearing at many locations. In the severely cracked locations, some of the pavement (from interconnected cracks) have popped out. This results in multiple small size potholes or voids in the pavement surface. Some minor pavement ripples can be seen in the middle of travel lanes at random locations. On the R1 lane, moderate to severe pavement shoving/slippage is occurring in separate two locations: MP 15.820 and MP 15.880. From the 2017 Pavement Condition Survey (PCS), the crack rating are as follows: 8.5 for eastbound travel lanes and 7.0 for westbound travel lanes.

Maintenance resurface patches noted *from MP 15.369 to MP 15.668* (westbound travel lanes – L1/L2); *from MP 15.369 to MP 15.482* (eastbound inside travel lane – R1); and *from MP 15.909 to MP 15.944* (eastbound inside travel lane – R1 & eastbound left turn lane – RLTL). The scope of maintenance work was for milling 1½” deep and resurfacing with 1½” FC-12.5 friction course. This work was done under a maintenance contract # E5Q88 (FPN 422039-2-72-02) for asphalt pavement repairs and it was completed between August 2013 to October 2013. The primary distresses that prompted the remediation action are: rutting, shoving and branch/alligator cracks. With the 2015 construction of Wawa gas station between Springdale Road and SR 500 (US 441), a small portion of SR 50 (*from MP 15.875 to MP 15.923*) was milled and resurfaced to accommodate the new concrete median separator and pavement markings.

There are 8 sanitary sewer manholes within the westbound inside L1 travel lane within the project limits. These manholes have circular reflective cracking around the manhole frame/cover and this is generally indicative of underlying concrete “collar” within the manhole structure. A note should be added in the project plans to alert Contractor of this condition. The Contractor will be required to exercise caution when milling near or around these manhole structures. Also, there is a single manhole that is depressed on the westbound outside L2 travel lane. It has some asphalt material on top of the manhole cover and it is located within the right wheel path area at MP 15.773.

There are few locations where trees have pushed up the curb & gutter. There is some pavement drop-off at the interface with the outside curb & gutter. The drop-off is observed to vary from 0.1 inch to 0.8 inch within the project limits. There is a possibility for some asphalt overlap onto the gutter pan. In a few locations, some standing rainwater was observed to be trapped in slightly depressed curb & gutter sections.

At the beginning of the project, near Tampa Avenue/Country Lane intersection, there appears to be some minor pavement widening on the south side for approximately 430-ft long. The eastbound outside (R2) travel lane is slightly wider at the intersection return (SE quadrant) and it eventually tapers down to typical travel lane widths for the rest of the project. An extensive review of old construction plans and section #75050 project database did not shed light of when/how this widening work was done. A pavement core (identified as Core #4) was taken on R2 travel lane at MP 15.385. Upon extraction of the pavement core, it reveals a split-core condition whereas one-half of the core has the pavement composition consistent with the original (older) pavement construction. The other one-half of the core has the pavement composition of “newer” asphalt layers and this is the widening pavement component.

CROSS SLOPE AND RUT DEPTH DATA

Cross slope and rut depth data were collected on the mainline lanes with the use of the State Materials Office's Multi-Purpose Survey Vehicle (MPSV). This vehicle uses laser sensors, which are specifically positioned across the width of the test vehicle, to measure the cross-slope and rutting. Rut depths and cross slope information is summarized as follows:

SR 50 (Colonial Drive)		WESTBOUND CROSS SLOPES (%)		EASTBOUND CROSS SLOPES (%)	
		Outside (L2) Travel Lane	Inside (L1) Passing Lane	Inside (R1) Passing Lane	Outside (R2) Travel Lane
MP 15.357 – 15.361	Average	2.9	1.4	2.4	0.1
<i>Tangent</i>	Std. Deviation	0.223	0.084	0.095	0.569
	Range	2.5 to 3.2	1.3 to 1.5	2.3 to 2.6	-0.5 to 0.9
MP 15.361 – 15.365	Average	2.9	1.5	2.5	2.9
<i>Tangent</i>	Std. Deviation	0.193	0.159	0.191	0.726
	Range	2.7 to 3.2	1.4 to 1.7	2.3 to 2.7	2.0 to 3.6
MP 15.365 – 15.950	Average	5.7	2.5	2.3	5.3
<i>Parabolic Tangent</i>	Std. Deviation	0.583	0.343	0.473	0.735
	Range	3.2 to 7.3	1.7 to 3.5	1.5 to 3.7	3.2 to 6.7

Note 1: Positive slope values indicate outward draining to the outside curb & gutter.

The Designer should plan for additional survey in areas of suspected cross slope irregularities, especially in areas with extreme low or high cross-slope values, to verify the data provided by the Multi-Purpose Survey Vehicle (MPSV). Furthermore, the cross slope data for the mainline travel lanes, has been plotted in graph format and it is available in the Appendix.

During the “windshield” roadway survey, pavement rutting is noticeable in certain locations within the project limits. The table, shown below, provides a statistical data calculations of the rut depth collected from the MPSV vehicle.

SR 50 (Colonial Drive)		WESTBOUND RUTTING (in.)		EASTBOUND RUTTING (in.)	
		Outside (L2) Travel Lane	Inside (L1) Passing Lane	Inside (R1) Passing Lane	Outside (R2) Travel Lane
MP 15.357 – 15.950 (Section #75050)	Average	0.1	0.0	0.1	0.1
	Std. Deviation	0.121	0.052	0.110	0.069
	Range	0.0 to 0.6	0.0 to 0.4	0.0 to 0.6	0.0 to 0.5

From coring, Core #2 (MP 15.704 – L2) and Core #15 (MP 15.828 – R1) have a rut depth of 0.4 inch in areas cored. From the MPSV data, some light to moderate rutting is noted on L2 lane from MP 15.677 to MP 15.760 (*max. = 0.6 inch*); from MP 15.800 to MP 15.806 (*max. = 0.4 inch*); and from MP 15.924 to MP 15.933 (*max. = 0.4 inch*). The rut depth and cross slope information for all individual core locations are provided in the “Pavement Evaluation and Condition Data” sheets in the Appendix. The MPSV data is available in the Appendix for review.

RESILIENT MODULUS (M_r)

On February 22, 2017 - Falling Weight Deflection (FWD) tests were conducted in the westbound and eastbound traffic lanes of SR 50 (Colonial Drive). A copy of the test reports along with the plot graphs are included in the Appendix. The following Resilient Modulus value is recommended for this project.

Westbound/Eastbound MP 15.357 – MP 15.977 Resilient Modulus = 23,000 psi (159 MPa)

Notes to Designer:

- 1) **Due to our milling recommendations, some base exposure will likely occur in areas of thinner pavement within the project limits. It is recommended that the Designer make provisions for Maintenance of Traffic and protection of exposed base due to thin pavement. The following plan note should be added to the typical sections as appropriate.**

“During milling operations, some base exposure will occur at certain locations. The Contractor is responsible for protection of the base and Maintenance of Traffic.”

- 2) **Due to the aging utilities infrastructure buried beneath the roadway in this urbanized area – the Designer should add a note in the project plans for static compaction during paving of the asphalt lifts.**

APPENDIX

- i) Notations for Identifying Lane Types
- ii) Pavement Evaluation & Condition Data (PECD) Sheets
(including Photo Directory of Roadway & Pavement Cores)
- iii) Ground Penetrating Radar (GPR) Results for Pavement Thickness Data and
Multi-Purpose Survey Results for Cross-Slope and Rut Data
- iv) Cross Slope Graph – from MPSV data file
- v) Resilient Modulus Recommendation – Falling Weight Deflection Test Results
- vi) Project Roadway Photographs

Notations for Identifying Lane Types

5-Lane Undivided Urban Principal Arterial Roadway

L2	Westbound Outside Travel Lane
L1	Westbound Inside Travel Lane
CTL	Center Bi-directional /Left Turn Lane (LLTL/RLTL)
R1	Eastbound Inside Travel Lane
R2	Eastbound Outside Travel Lane

There is only one right turn lane within the project limits.

RRTL	Eastbound Right Turn Lane
------	---------------------------



ELIPSIS ENGINEERING & CONSULTING, LLC

December 15, 2017

Florida Department of Transportation
1650 N. Kepler Road
DeLand, Florida 32724

Attention: [Mr. Tim Keefe

Reference: Final Pavement Evaluation and Condition Data Report
SR 50 from Tampa Ave. to W. of SR 500/US 441
Orange County, Florida
FPN 439236-1
Section No: 75 050
Contract No.: C-9570
EEC Project No.: 16024-3.10

Dear Mr. Keefe:

Per your request, Elipsis Engineering & Consulting (EEC) has obtained pavement core and other relative information for the above referenced project. Our scope of services was conducted in accordance with your request for proposal dated November 15, 2017.

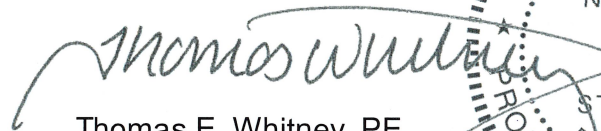
The pavement core data is presented on the attached Pavement Evaluation and Condition Data (PECD) Sheet 1. We have also included supplemental data sheets for the requested GPS locations, Cross-slope data for each core location, and core photographs for each core obtained. We have additionally included the roadway condition photo at each core location.

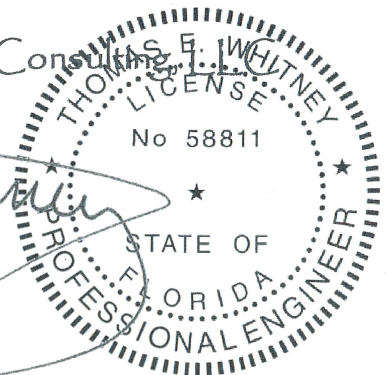
To the best of our knowledge, the information presented in the attachments to this letter is accurate and represents the existing pavement conditions at the locations cored. The pavement cores have been retained in storage pending further instructions from FDOT regarding their disposal.

Please feel free to contact us with any concerns or requests for further information.

Sincerely,

Elipsis Engineering & Consulting, LLC
Certificate of Authorization No. 28455


Thomas E. Whitney, PE
Principal Engineer
Signature Date: 12/15/2017
STATE OF FLORIDA
Registered Professional Engineer No. 58811



Laying a new foundation for growth, one job at a time!

**State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.: 439236-1	Cored By: Elipsis Engineering and Consulting	Date: December 6, 2017	Page No.: 1 of 1
County: Orange	Highway Sect. No: 75050	From: Tampa Ave / Country Lane	To: West of SR 500/US 441 (OBT)
Road No.: SR 50	Begin MP: 15.343	End MP: 15.950	Length: 0.607 mile

Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)						Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments	LR Rating	
					FC 9.5	FC 12.5	Type S	Type I	Surf. Trtmt.	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent						
1	15.920	9.0	L2	X	0.7			1.0	0.6		2.3	LR	8.2	B	A	III	S	P	0.3	5.8		2
2	15.704	8.0	L2		0.8			1.4	0.4		2.6	LR	8.4	B	A	III	S	P	0.4	5.2		3
3	15.439	3.0	L2	X		1.6		1.0	0.8		3.4	LR	7.6	—	—	—	—	F	0.2	5.0	Patched Area	3
4A	15.385	3.5	R2	X	0.8		1.7		0.9		3.4	LR	7.8	B	J	II	S	F	0.2	4.5	Original Pavement	2
4B	15.385	3.5	R2	X	0.8		3.0				3.8	LR	7.2	B	J	II	S	F	0.2	4.5	Widening Pavement	2
5	15.510	9.0	R2	X	0.5		1.5				2.0	LR	7.0	B	Br	III	S	P	0.3	5.7		2
6	15.672	8.5	R2	X	1.2			1.0	0.8		3.0	LR	8.2	B	Br	I	M	P	0.3	3.8		2
7	15.889	2.5	RRTL	X		1.2	1.7				11.0	ABC	8.1	—	—	—	—	G	0.0	3.9	EB Right Turn Lane to SR 500/US 441 (OBT) - South	—
8	15.920	2.5	R2	X	1.4			1.1	0.8		3.3	LR	7.2	—	—	—	—	F	0.2	5.3		2
9	15.931	9.0	RRTL	X	1.3		1.0				11.4	ABC	9.1	—	—	—	—	F	0.2	4.6	EB Right Turn Lane to SR 500/US 441 (OBT) - South	—
10	15.822	4.0	L1		1.0			2.5	0.7		4.2	LR	7.1	B	ST	II	M	P	0.3	2.2		1
11	15.747	6.0	CTL		1.2			2.0	0.7		3.9	LR	8.1	—	—	—	—	F	0.2	0.2 0.4	Flat Crown: 0.2% slopes to R1 and 0.4% slopes to L1	1
12	15.542	2.5	L1			1.4		1.8	1.0		4.2	LR	7.3	—	—	—	—	F	0.1	3.6	Patched Area	1
13	15.405	6.5	LLTL		0.7			1.2	1.0		2.9	LR	7.5	B	Br	II	S	F	0.3	-1.2	WB Left Turn Lane to Tampa Avenue	1
14	15.452	7.5	R1			1.3		1.2	0.8		3.3	LR	7.2	—	—	—	—	F	0.2	2.6	Patched Area	1
15	15.828	4.0	R1		1.3			1.4	1.0		3.7	LR	7.5	1.3	Br	III	S	P	0.4	1.9	Severe Pavement Shoving, Rutting, Core broke during extraction	1

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement
Crack Extent: L= Light; M= Moderate; S= Severe Pavement Condition: G= Good; F= Fair; P= Poor Crack Types: A= Alligator; Bl= Block; Br= Branch
SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack
Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHM= Sand Asphalt Hot Mix; NB= No Base

Supplemental Data to PECD

(GPS Coordinates for Each Locations Cored)

SR 50

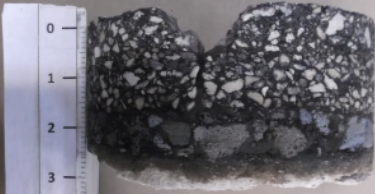
FPN 439236-1

County: Orange

Core #	GPS Coordinates
1	28.552995 ° -81.396444 °
2	28.552953 ° -81.400155 °
3	28.55295 ° -81.404427 °
4	28.552801 ° -81.405241 °
5	28.55286 ° -81.403231 °
6	28.552885 ° -81.40067 °
7	28.552855 ° -81.39708 °
8	28.552887 ° -81.396443 °
9	28.552867 ° -81.396234 °
10	28.552973 ° -81.398231 °
11	28.552908 ° -81.399506 °
12	28.552935 ° -81.402886 °
13	28.552888 ° -81.405148 °
14	28.552887 ° -81.404169 °
15	28.552934 ° -81.398093 °
16	
17	
18	
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20	

Core #	GPS Coordinates
21	
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FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



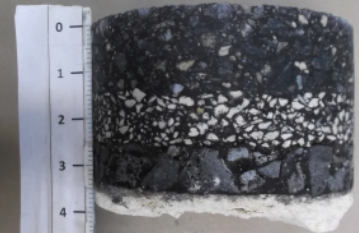
Core #1
MP: 15.920
L2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



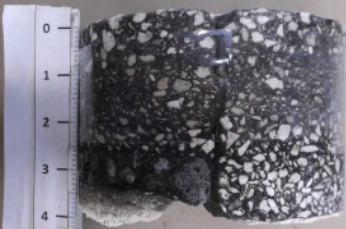
Core #2
MP: 15.704
L2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



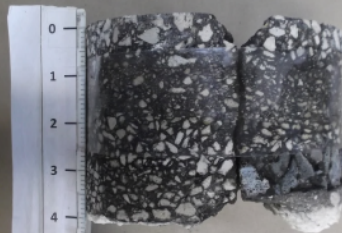
Core #3
MP: 15.439
L2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #4A
MP: 15.385
R2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



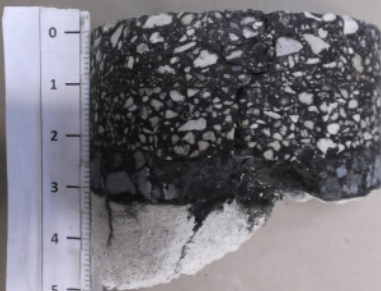
Core #4B
MP: 15.385
R2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #5
MP: 15.510
R2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



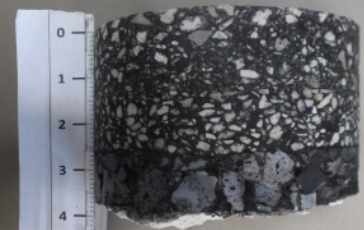
Core #6
MP: 15.672
R2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #7
MP: 15.889
RRTL

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #8
MP: 15.920
R2

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



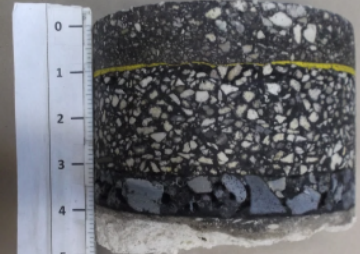
Core #9
MP: 15.931
RRTL

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #10
MP: 15.822
L1

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



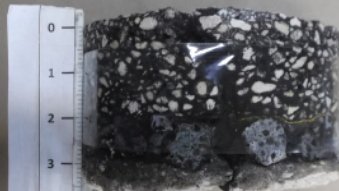
Core #11
MP: 15.747
CTL

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #12
MP: 15.542
L1

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



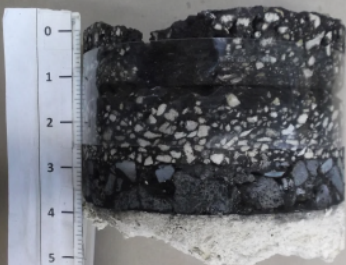
Core #13
MP: 15.405
LLTL

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17

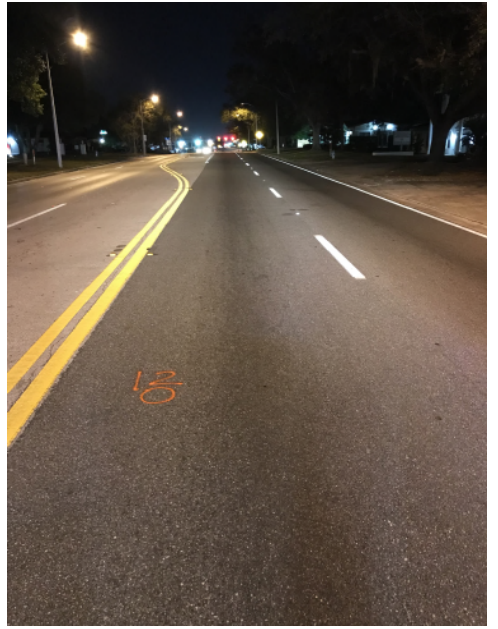


Core #14
MP: 15.452
R1

FPN 439236-1
SR 50 - Sect. 75050
Coring Date 12/6/17



Core #15
MP: 15.828
R1



Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
5.96	0.03	0.00	5.66	0.19	0.09	15.9770	5.64	0.05	0.08	7.46	0.75	0.03
5.63	0.24	0.00	5.65	0.21	0.11	15.9763	5.83	0.16	0.10	7.55	0.93	0.10
5.61	0.05	0.00	6.34	0.23	0.07	15.9754	5.69	0.28	0.04	8.01	1.06	0.09
6.31	0.47	0.00	5.46	0.47	0.07	15.9744	6.32	0.02	0.05	8.39	0.91	0.10
6.53	0.52	0.00	5.94	0.65	0.09	15.9735	5.86	-0.02	0.06	8.22	0.70	0.09
6.28	0.70	0.00	4.77	0.54	0.09	15.9725	5.93	-0.24	0.06	8.46	0.51	0.09
5.20	1.27	0.00	4.88	0.68	0.16	15.9716	6.23	-0.23	0.08	8.24	0.31	0.06
5.20	1.66	0.01	5.40	0.87	0.09	15.9706	7.02	-0.07	0.06	7.92	-0.10	0.07
5.29	2.06	0.00	4.54	0.93	0.06	15.9697	6.88	-0.07	0.05	8.43	-0.10	0.08
5.28	1.92	0.00	4.57	0.91	0.00	15.9687	6.23	0.02	0.06	8.41	-0.02	0.06
4.78	1.99	0.00	4.72	0.82	0.09	15.9678	5.47	0.14	0.06	7.45	0.03	0.06
4.09	2.01	0.00	4.27	0.86	0.09	15.9668	5.31	0.37	0.09	7.83	0.42	0.09
5.95	2.11	0.00	3.86	0.94	0.00	15.9659	5.29	0.49	0.09	6.91	0.23	0.15
4.81	1.90	0.00	3.81	0.75	0.08	15.9650	4.70	0.19	0.25	6.38	0.65	0.11
4.95	1.71	0.00	4.29	0.96	0.06	15.9640	5.09	-0.07	0.23	5.60	0.66	0.15
5.26	1.61	0.00	4.35	1.17	0.05	15.9631	4.82	0.44	0.27	5.84	0.80	0.16
3.81	1.55	0.03	3.84	1.40	0.04	15.9621	4.51	0.82	0.32	5.58	0.80	0.14
4.02	1.71	0.03	4.01	1.80	0.06	15.9612	4.57	0.65	0.35	5.63	0.94	0.13
3.64	2.02	0.04	4.13	1.87	0.04	15.9602	4.60	0.89	0.33	5.39	1.15	0.11
3.73	2.25	0.04	3.68	1.85	0.07	15.9593	4.19	0.93	0.34	4.75	1.59	0.11
4.14	2.37	0.04	3.62	1.85	0.06	15.9583	4.05	1.20	0.33	4.37	1.68	0.17
4.54	3.09	0.00	3.59	2.04	0.09	15.9574	3.62	1.52	0.34	4.16	1.96	0.16
4.17	3.33	0.00	4.28	2.29	0.12	15.9564	3.77	1.61	0.30	4.78	2.27	0.13
4.13	3.54	0.00	3.59	2.18	0.15	15.9555	3.67	1.57	0.25	4.81	2.60	0.16
4.38	3.93	0.00	4.47	2.02	0.15	15.9545	3.52	1.38	0.25	4.13	3.16	0.16
3.56	4.07	0.00	4.44	2.09	0.17	15.9536	3.44	1.97	0.26	3.96	3.93	0.18
3.61	4.35	0.00	4.34	1.94	0.21	15.9526	3.38	1.78	0.22	3.97	3.88	0.13
3.63	4.68	0.00	4.40	1.82	0.19	15.9517	3.46	1.87	0.24	4.05	3.93	0.01
3.46	4.73	0.04	4.34	1.87	0.17	15.9508	3.55	2.01	0.25	4.24	4.33	0.00
3.43	4.82	0.05	3.94	1.87	0.19	15.9498	3.42	1.90		4.11	4.68	0.02
3.14	4.93	0.06	3.72	2.06	0.17	15.9489	3.35	1.90		4.46	4.93	0.04
3.27	4.93	0.06	4.10	2.20	0.16	15.9479	3.22	1.87		3.86	5.07	0.06
3.28	4.94	0.04	4.26	2.08	0.14	15.9470	2.98	1.76		3.79	5.19	0.07
3.38	5.14	0.04	4.23	2.20	0.13	15.9460	2.73	1.68		3.67	5.38	0.07
3.09	5.17	0.05	4.15	2.37	0.10	15.9451	2.94	1.66		3.62	5.54	0.07
3.14	5.07	0.14	4.06	2.13	0.10	15.9441	3.12	1.66		3.23	5.45	0.09
3.09	5.01	0.21	4.03	2.20	0.19	15.9432	3.29	1.52		3.00	5.66	0.13
2.87	5.28	0.21	3.81	2.55	0.03	15.9422	3.00	1.48		3.06	5.50	0.12
3.08	4.89	0.17	4.05	2.76	0.11	15.9413	3.09	1.57		2.96	5.38	0.08
3.63	4.65	0.08	4.24	2.65	0.17	15.9403	3.26	1.73		2.86	5.61	0.11
3.03	4.51	0.08	3.71	2.74	0.11	15.9394	3.25	1.80		3.37	5.57	0.09
3.02	4.72	0.09	3.99	2.74	0.03	15.9384	3.30	2.02		3.71	5.52	0.09
2.96	4.66	0.09	3.99	3.04	0.10	15.9375	3.44	1.52		3.12	5.42	0.17
2.48	4.75	0.09	4.09	2.37	0.10	15.9365	3.16	1.73		3.74	5.12	0.17
2.61	5.08	0.16	4.33	2.27	0.01	15.9356	3.12	1.73		3.24	5.29	0.17
2.60	5.28	0.22	3.28	2.16	0.14	15.9347	3.12	1.82		3.16	5.24	0.16
2.36	5.29	0.24	3.20	2.37	0.10	15.9337	3.46	1.87		3.04	5.21	0.13
2.44	5.31	0.26	3.09	2.25	0.13	15.9328	3.19	1.89		2.65	5.19	0.15
2.57	5.40	0.22	3.09	2.06	0.10	15.9318	3.50	1.80		2.63	5.15	0.13
2.45	5.40	0.24	3.03	2.18	0.10	15.9309	3.33	1.68		2.65	5.14	0.11
2.23	5.45	0.27	3.19	2.06	0.03	15.9299	3.10	1.66		2.57	5.31	
2.48	5.61	0.29	2.80	2.15	0.07	15.9290	3.31	1.62		2.62	5.36	
2.32	5.82	0.38	2.86	2.27	0.07	15.9280	3.09	1.64		2.75	5.35	
2.37	6.17	0.38	2.85	2.27	0.15	15.9271	3.21	1.69		2.60	5.35	
2.76	6.05	0.35	2.61	2.36	0.15	15.9261	3.03	1.68		2.73	5.28	
2.49	6.34	0.29	3.29	2.43	0.14	15.9252	2.88	1.64		2.78	5.33	

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
2.34	6.12	0.25	2.87	2.39	0.12	15.9242	3.00	1.57		2.62	5.29	
2.28	6.15	0.18	2.92	2.51	0.10	15.9233	3.04	1.54	0.02	2.52	5.38	
2.23	6.20	0.15	2.87	2.65	0.11	15.9223	2.65	1.61	0.03	2.40	5.35	
2.26	6.24	0.06	2.83	2.36	0.01	15.9214	2.85	1.55	0.03	2.62	5.22	
2.08	5.87	0.05	2.91	2.53	0.02	15.9204	2.73	1.57	0.05	2.60	5.22	
2.06	5.71	0.05	2.97	2.60	0.02	15.9195	2.83	1.57	0.05	2.47	5.21	
2.06	5.59	0.06	2.84	2.60	0.04	15.9186	2.50	1.62	0.06	2.64	5.17	
2.10	5.54	0.04	3.08	2.64	0.10	15.9176	2.59	1.69	0.05	3.04	5.15	
2.36	5.47	0.02	3.37	2.53	0.05	15.9167	2.62	1.50	0.08	3.08	5.10	
2.09	5.66	0.02	3.03	2.48	0.05	15.9157	2.72	1.62	0.03	2.89	5.24	
2.32	5.77	0.03	3.69	2.43	0.11	15.9148	2.43	1.75	0.08	3.48	5.08	
2.05	5.91	0.03	3.07	2.18	0.18	15.9138	2.61	1.71	0.03	2.69	5.15	
2.15	5.87	0.03	3.18	2.27	0.05	15.9129	2.61	1.82	0.02	2.40	5.10	
2.00	5.75	0.07	2.97	2.32	0.07	15.9119	2.65	1.78	0.01	2.27	5.08	
2.10	5.66	0.09	3.10	2.09	0.06	15.9110	3.02	1.68	0.01	2.26	5.05	0.04
2.56	5.66	0.05	3.46	2.18	0.06	15.9100	2.78	1.75	0.02	2.32	5.03	0.03
2.40	5.50	0.00	3.60	2.06	0.08	15.9091	2.54	1.85	0.00	2.46	4.96	0.00
2.47	5.68	0.00	3.39	2.02	0.06	15.9081	2.59	1.89	0.00	2.34	4.82	0.00
2.60	5.89	0.00	3.32	1.96	0.05	15.9072	2.60	1.96	0.01	2.29	4.80	0.00
2.26	5.82	0.05	3.32	2.02	0.04	15.9062	2.64	1.99	0.02	2.16	4.84	0.01
2.36	5.98	0.07	3.14	2.04	0.06	15.9053	2.61	2.01	0.06	1.85	5.00	0.00
2.23	5.73	0.07	2.98	2.01	0.05	15.9043	2.87	2.02	0.06	2.12	4.98	0.00
2.22	5.64	0.08	3.34	1.99	0.05	15.9034	2.50	1.96	0.06	2.09	5.03	0.00
2.14	5.59	0.06	3.14	2.02	0.04	15.9025	2.78	2.01	0.03	2.15	4.94	0.00
2.41	5.33	0.06	3.34	2.02	0.04	15.9015	2.98	2.09	0.03	2.26	4.91	0.00
2.57	5.22	0.06	3.21	2.08	0.05	15.9006	2.90	2.11	0.04	2.44	4.79	0.02
2.57	5.07	0.05	3.30	2.08	0.05	15.8996	3.11	2.11	0.06	2.41	4.68	0.02
2.58	5.07	0.05	3.27	2.15	0.05	15.8987	3.08	2.22	0.07	2.37	4.58	0.03
2.39	5.12	0.04	3.21	2.18	0.06	15.8977	3.31	2.20	0.10	2.42	4.44	0.05
2.46	5.05	0.03	3.30	2.15	0.06	15.8968	3.25	2.22	0.12	2.34	4.42	0.07
2.36	5.10	0.04	2.89	2.25	0.05	15.8958	2.84	2.23	0.14	2.41	4.42	0.09
2.25	5.17	0.05	3.06	2.22	0.05	15.8949	3.02	2.22	0.19	2.12	4.44	0.10
2.35	5.33	0.07	3.28	2.29	0.05	15.8939	3.33	2.22	0.25	2.15	4.52	0.08
1.82	5.26	0.09	3.11	2.27	0.06	15.8930	3.41	2.25	0.23	2.23	4.56	0.06
2.02	5.33	0.10	2.99	2.34	0.02	15.8920	3.10	2.25	0.20	2.32	4.65	0.03
2.17	5.35	0.11	3.25	2.29	0.03	15.8911	3.29	2.39	0.23	1.82	4.70	0.03
2.22	5.42	0.10	3.12	2.44	0.08	15.8901	3.45	2.25	0.17	1.84	4.73	0.03
2.18	5.52	0.12	3.06	2.37	0.14	15.8892	2.90	2.34	0.18	2.08	4.79	0.03
2.01	5.47	0.11	3.13	2.51	0.13	15.8883	2.66	2.13	0.19	2.42	4.84	0.03
1.94	5.42	0.12	3.11	2.48	0.11	15.8873	2.90	2.25	0.21	2.19	4.89	0.02
1.93	5.50	0.12	3.31	2.44	0.12	15.8864	2.98	2.18	0.26	1.90	4.91	0.01
1.80	5.45	0.11	3.31	2.34	0.10	15.8854	2.76	2.34	0.31	2.08	4.91	0.03
1.80	5.40	0.11	3.18	2.43	0.16	15.8845	2.60	2.39	0.29	2.03	4.89	0.03
1.77	5.40	0.11	3.11	2.46	0.16	15.8835	3.26	2.39	0.29	2.00	4.75	0.03
1.85	5.38	0.09	3.30	2.44	0.17	15.8826	2.57	2.43	0.20	2.35	4.70	0.04
1.85	5.38	0.08	2.86	2.36	0.17	15.8816	2.69	2.51	0.20	2.39	4.70	0.06
1.56	5.56	0.08	2.81	2.30	0.14	15.8807	2.66	2.62	0.18	2.55	4.73	0.07
1.82	5.56	0.08	3.40	2.36	0.14	15.8797	3.52	2.64	0.16	2.49	4.77	0.06
1.89	5.57	0.10	3.21	2.41	0.12	15.8788	3.38	2.62	0.15	2.83	4.75	0.05
1.81	5.57	0.09	3.67	2.36	0.12	15.8778	3.05	2.62	0.17	2.92	4.84	0.06
2.19	5.54	0.09	2.77	2.69	0.13	15.8769	3.31	2.72	0.17	2.99	4.75	0.06
2.07	5.49	0.09	3.47	2.46	0.15	15.8759	2.76	2.55	0.15	2.75	4.63	0.07
2.11	5.54	0.09	3.08	2.64	0.12	15.8750	2.73	2.46	0.17	2.81	4.58	0.07
1.87	5.35	0.05	3.22	2.86	0.18	15.8740	2.63	2.34	0.18	3.29	4.42	0.08
2.00	5.56	0.25	3.09	2.62	0.17	15.8731	2.93	2.55	0.17	2.95	4.38	0.08
2.11	5.89	0.32	3.00	3.00	0.21	15.8722	3.16	2.53	0.16	2.93	4.37	0.07
2.42	5.96	0.23	3.12	3.07	0.20	15.8712	2.89	2.44	0.11	2.85	4.40	0.07
2.55	6.13	0.24	3.39	3.16	0.22	15.8703	3.07	2.46	0.08	2.97	4.54	0.07
2.37	6.12	0.20	3.48	3.00	0.17	15.8693	3.25	2.25	0.07	2.93	4.61	0.05

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
2.26	5.99	0.20	3.45	3.02	0.07	15.8684	3.29	2.34	0.02	2.96	4.77	0.09
2.16	6.05	0.20	3.32	2.88	0.07	15.8674	2.90	2.29	0.04	2.80	4.94	0.14
2.24	6.36	0.17	2.78	2.74	0.06	15.8665	2.88	2.13	0.13	2.78	5.01	0.12
2.15	6.06	0.17	3.00	2.95	0.06	15.8655	2.62	2.08	0.13	3.07	4.84	0.12
2.47	6.29	0.21	3.14	2.64	0.10	15.8646	2.65	2.06	0.11	3.10	4.82	0.12
2.30	6.05	0.18	3.02	2.74	0.20	15.8636	2.51	2.18	0.07	2.59	4.66	0.09
2.28	6.13	0.19	2.80	2.72	0.15	15.8627	2.36	2.09	0.04	2.96	4.42	0.11
2.27	6.06	0.17	3.01	2.29	0.13	15.8617	2.86	2.13	0.06	2.00	4.35	0.13
2.38	6.17	0.15	2.83	2.18	0.11	15.8608	2.52	1.96	0.17	2.07	4.16	0.09
1.95	6.36	0.21	2.81	2.37	0.11	15.8598	2.69	1.99	0.15	1.96	4.10	0.09
2.19	6.31	0.27	2.58	2.02	0.16	15.8589	2.60	2.04	0.15	1.80	4.40	0.07
2.18	6.05	0.23	2.68	2.16	0.10	15.8579	3.02	1.92	0.15	1.93	4.56	0.06
2.50	6.01	0.22	3.53	2.23	0.09	15.8570	2.88	1.89	0.11	1.96	4.63	0.08
2.50	5.87	0.20	2.65	2.18	0.04	15.8561	3.20	1.92	0.16	1.56	5.12	0.09
2.42	5.87	0.18	3.30	2.41	0.00	15.8551	2.70	1.90	0.15	1.89	5.31	0.14
2.47	5.71	0.21	2.84	2.23	0.05	15.8542	2.90	1.97	0.22	2.31	5.71	0.10
2.64	5.70	0.20	2.91	2.43	0.07	15.8532	2.98	2.25	0.16	2.02	5.94	0.11
2.97	5.57	0.14	2.92	2.62	0.07	15.8523	2.96	2.29	0.24	2.04	5.85	0.15
2.45	5.59	0.12	2.81	2.60	0.03	15.8513	3.01	2.34	0.29	1.90	6.10	0.16
2.44	5.19	0.12	3.05	2.57	0.15	15.8504	3.15	2.29		2.10	6.68	0.15
2.22	5.43	0.13	2.93	2.48	0.13	15.8494	3.02	2.34		2.13	6.68	0.13
2.35	5.73	0.16	2.80	2.44	0.11	15.8485	2.64	2.34		1.71	6.36	0.12
2.52	5.91	0.16	2.82	2.57	0.11	15.8475	2.83	2.29		1.87	6.26	0.12
2.51	5.96	0.19	3.30	2.60	0.08	15.8466	2.90	2.27		1.59	6.20	0.14
2.49	5.99	0.15	3.35	2.64	0.08	15.8456	2.79	2.29		2.00	6.19	0.12
2.47	6.06	0.13	3.05	2.65	0.06	15.8447	2.83	2.34		1.76	6.19	0.16
2.17	6.29	0.12	2.92	2.57	0.02	15.8437	2.91	2.22		2.06	6.36	0.18
2.57	6.03	0.23	3.35	2.72	0.03	15.8428	2.74	2.32		2.34	6.15	0.19
2.35	6.10	0.19	2.49	2.37	0.00	15.8418	2.77	2.44		2.08	5.87	0.11
2.52	5.91	0.18	3.07	2.30	0.12	15.8409	2.77	2.55		2.07	5.63	0.10
2.26	5.66	0.11	2.88	2.79	0.18	15.8400	2.96	2.44		2.08	5.50	0.12
2.37	5.63	0.11	3.21	2.36	0.08	15.8390	2.74	2.41		2.11	5.52	0.20
2.21	5.77	0.06	2.93	2.41	0.14	15.8381	2.87	2.32		2.00	5.57	0.31
2.41	5.71	0.04	3.38	2.48	0.07	15.8371	2.89	2.16		1.94	5.63	0.38
2.37	5.64	0.08	3.18	2.27	0.08	15.8362	2.85	2.02		2.17	5.77	0.37
2.27	5.52	0.07	3.09	2.15	0.04	15.8352	2.75	2.01		2.13	5.96	0.37
2.57	5.64	0.11	3.03	2.23	0.04	15.8343	2.94	1.99		1.97	6.24	0.38
2.88	5.57	0.19	3.34	2.22	0.03	15.8333	2.89	1.97	0.30	2.03	6.36	0.36
2.96	5.50	0.15	3.17	2.09	0.03	15.8324	3.02	1.99	0.31	1.91	6.36	0.38
2.76	5.73	0.11	3.34	2.27	0.01	15.8314	3.00	1.90	0.31	1.71	6.26	0.37
3.10	5.49	0.14	3.27	2.20	0.03	15.8305	2.97	1.89	0.32	1.91	5.99	0.33
3.17	5.22	0.14	3.25	2.08	0.03	15.8295	3.17	2.02	0.32	1.90	5.78	0.33
2.94	5.08	0.13	3.13	1.99	0.07	15.8286	3.17	1.96	0.31	1.84	5.87	0.28
2.77	5.01	0.16	3.00	1.85	0.07	15.8276	3.13	1.90	0.34	2.03	5.89	0.22
2.84	5.01	0.19	3.19	1.82	0.03	15.8267	3.14	1.96	0.48	2.15	6.08	0.24
2.78	4.93	0.17	2.81	1.85	0.05	15.8258	3.41	1.94	0.60	2.17	6.08	0.24
3.12	5.19	0.25	2.93	2.01	0.02	15.8248	3.56	1.90	0.60	2.32	6.03	0.30
2.91	5.22	0.24	2.99	1.96	0.02	15.8239	3.64	1.89	0.54	2.25	6.03	0.31
3.22	5.21	0.24	3.38	2.04	0.06	15.8229	3.26	1.89	0.38	2.46	6.17	0.24
2.73	5.33	0.17	3.43	2.01	0.02	15.8220	3.27	2.08	0.45	2.20	6.33	0.24
2.89	5.45	0.16	3.33	2.04	0.09	15.8210	3.06	2.11	0.39	2.26	6.41	0.25
3.06	5.36	0.11	3.57	2.09	0.00	15.8201	3.05	2.25	0.40	2.56	6.66	0.37
3.07	5.49	0.09	3.50	2.29	0.00	15.8191	3.02	2.32	0.37	2.21	6.52	0.32
3.09	5.77	0.07	3.51	2.09	0.08	15.8182	3.27	2.27	0.25	2.22	6.27	0.21
2.93	5.64	0.01	3.60	2.29	0.00	15.8172	3.01	2.25	0.24	2.28	6.20	0.20
2.76	5.71	0.10	3.54	2.34	0.02	15.8163	2.87	2.50	0.24	2.36	6.10	0.18
3.00	5.94	0.14	3.49	2.43	0.06	15.8153	2.93	2.18	0.10	2.52	6.10	0.20
2.84	6.20	0.23	3.46	2.22	0.04	15.8144	2.87	2.23	0.10	2.28	6.06	0.21
2.76	6.13	0.26	3.06	2.20	0.03	15.8134	2.93	2.37	0.08	2.27	6.15	0.21

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)		HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)
2.36	6.20	0.32	3.03	2.30	0.07	15.8125	2.88	2.39	0.09	2.11	6.08	0.17
2.37	6.54	0.32	3.20	2.30	0.07	15.8115	2.85	2.30	0.09	2.19	5.98	0.17
2.42	6.41	0.32	2.85	2.22	0.02	15.8106	2.86	2.36	0.09	2.35	5.91	0.18
2.17	6.50	0.27	3.02	2.29	0.00	15.8097	2.74	2.48	0.13	2.38	5.99	0.19
2.22	6.47	0.32	3.06	2.23	0.02	15.8087	2.68	2.46	0.15	2.23	6.01	0.17
2.35	6.43	0.34	2.96	2.30	0.11	15.8078	2.88	2.58	0.15	2.29	6.08	0.18
2.25	6.34	0.30	3.01	2.36	0.08	15.8068	2.92	2.53	0.16	2.61	5.91	0.19
2.32	6.38	0.35	3.15	2.22	0.04	15.8059	2.84	2.62	0.17	2.64	6.08	0.18
2.14	6.34	0.43	2.87	2.22	0.04	15.8049	2.95	2.57	0.18	2.75	6.19	0.15
2.33	6.15	0.41	2.96	2.23	0.05	15.8040	3.04	2.25	0.23	2.29	6.17	0.15
2.25	6.05	0.40	3.16	2.13	0.07	15.8030	3.09	2.48	0.21	2.25	6.10	0.16
2.13	5.96	0.42	3.09	2.06	0.08	15.8021	3.22	2.67	0.16	2.26	6.17	0.16
2.32	5.77	0.39	2.99	2.13	0.14	15.8011	3.13	2.76	0.15	2.40	6.15	0.16
2.29	5.68	0.28	3.12	2.41	0.00	15.8002	3.19	2.97	0.18	2.52	6.03	0.15
2.28	5.61	0.26	3.04	2.34	0.00	15.7992	3.12	2.69	0.20	2.36	6.08	0.14
2.32	5.63	0.21	3.13	2.74	0.03	15.7983	3.16	2.72	0.22	2.61	6.01	0.16
2.42	5.57	0.15	3.11	2.53	0.08	15.7973	3.02	2.92	0.20	2.96	5.82	0.16
2.41	5.54	0.16	3.35	2.60	0.01	15.7964	2.92	2.72	0.21	2.65	5.91	0.16
2.34	5.63	0.21	3.72	2.67	0.01	15.7954	3.11	2.76	0.20	2.47	5.87	0.17
2.40	5.75	0.21	3.16	2.60	0.01	15.7945	3.07	2.81	0.20	2.68	5.85	0.17
2.38	5.52	0.18	3.61	2.67	0.00	15.7936	3.14	2.58	0.20	2.89	5.84	0.18
2.31	5.40	0.15	3.23	2.78	0.00	15.7926	3.09	2.67	0.19	2.74	5.94	0.18
2.23	5.40	0.24	3.26	2.86	0.07	15.7917	3.08	2.67	0.16	2.65	5.77	0.16
2.27	5.21	0.23	3.23	2.81	0.13	15.7907	3.12	2.58	0.17	3.00	5.80	0.17
2.06	4.94	0.20	3.23	2.99	0.08	15.7898	3.06	2.51	0.23	3.14	5.70	0.15
2.10	4.96	0.20	3.16	3.00	0.02	15.7888	3.09	2.32	0.23	3.17	5.43	0.16
2.02	4.82	0.11	3.36	2.97	0.08	15.7879	3.02	2.16	0.23	3.10	5.43	0.18
2.07	4.80	0.21	3.10	3.00	0.00	15.7869	3.03	2.04	0.27	3.04	5.49	0.19
2.15	5.07	0.24	3.12	2.85	0.02	15.7860	3.02	1.62	0.31	2.84	5.66	0.20
2.10	5.12	0.17	3.00	2.85	0.01	15.7850	2.82	1.89	0.32	2.95	5.57	0.19
2.30	5.26	0.26	3.17	2.86	0.04	15.7841	2.95	1.76	0.31	3.05	5.52	0.23
2.41	5.38	0.32	3.12	2.60	0.07	15.7831	2.84	1.69	0.29	3.02	5.57	0.24
2.41	5.33	0.27	3.18	2.65	0.04	15.7822	2.85	1.73	0.28	2.84	5.35	0.34
2.34	5.42	0.19	2.96	2.58	0.02	15.7812	2.82	1.89	0.27	2.79	5.36	0.30
2.30	5.35	0.13	3.08	2.65	0.03	15.7803	2.86	2.04	0.29	2.60	5.24	0.22
2.31	5.28	0.12	2.93	2.65	0.04	15.7793	2.92	2.01	0.28	2.45	5.35	0.18
2.25	5.12	0.13	2.98	2.71	0.03	15.7784	3.29	1.92	0.29	2.62	5.35	0.20
2.31	5.03	0.13	3.00	2.64	0.03	15.7775	2.63	2.09	0.29	2.77	5.52	0.20
2.42	5.15	0.13	2.98	2.72	0.03	15.7765	2.83	2.01	0.29	2.65	5.45	0.20
2.51	5.14	0.28	3.11	2.51	0.07	15.7756	2.67	1.97	0.26	2.57	5.57	0.22
2.57	5.14	0.21	3.02	2.65	0.05	15.7746	2.49	2.09	0.23	2.43	5.66	0.19
2.61	5.50	0.12	2.94	2.72	0.03	15.7737	2.38	2.23	0.23	2.25	5.66	0.18
2.68	4.96	0.14	2.96	2.90	0.03	15.7727	2.34	2.09	0.23	2.32	5.71	0.15
2.59	4.63	0.17	3.20	2.79	0.02	15.7718	2.59	1.87	0.00	2.13	5.70	0.16
2.60	5.12	0.16	3.03	2.81	0.02	15.7708	2.32	1.83	0.15	2.12	5.70	0.17
2.52	4.66	0.17	3.02	2.79	0.02	15.7699	2.25	1.78	0.21	2.06	5.70	0.17
2.53	4.51	0.15	3.02	2.85	0.02	15.7689	2.68	1.78	0.27	2.25	5.80	0.14
2.65	4.79	0.15	3.13	2.53	0.05	15.7680	2.59	1.96	0.24	2.51	5.77	0.18
2.92	4.86	0.12	3.13	2.53	0.04	15.7670	2.77	1.94	0.17	2.96	5.92	0.14
2.97	5.08	0.13	3.38	2.74	0.04	15.7661	2.45	2.15	0.15	3.09	5.80	0.15
2.91	5.28	0.14	3.33	2.60	0.03	15.7651	2.70	2.02	0.12	3.01	5.70	0.15
2.88	5.35	0.15	3.41	2.65	0.03	15.7642	2.41	2.32	0.14	3.04	5.80	0.15
2.66	5.40	0.18	3.32	2.58	0.02	15.7633	2.37	1.90	0.12	3.36	5.75	0.15
2.57	5.49	0.20	3.21	2.58	0.05	15.7623	2.29	2.43	0.21	2.73	5.73	0.15
2.50	5.35	0.22	3.14	2.57	0.04	15.7614	2.18	1.97	0.35	2.75	5.85	0.13
2.48	5.33	0.25	3.27	2.41	0.00	15.7604	3.43	2.48	0.23	2.71	5.71	0.13
2.58	5.35	0.26	3.25	2.25	0.08	15.7595	2.39	2.15	0.17	2.61	5.84	0.14
2.50	5.28	0.26	3.13	2.74	0.08	15.7585	3.00	2.18	0.17	2.63	5.70	0.14
2.50	5.35	0.35	3.06	2.50	0.03	15.7576	3.03	2.23	0.11	2.80	5.64	0.13

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)		HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)
2.79	5.26	0.34	3.02	2.81	0.04	15.7566	3.09	1.92	0.18	2.74	5.43	0.16
2.75	5.38	0.25	3.00	2.41	0.03	15.7557	3.09	2.04	0.24	2.65	5.43	0.17
2.93	5.43	0.29	3.33	2.67	0.03	15.7547	3.11	2.48	0.30	2.84	5.24	0.21
3.09	5.54	0.31	3.09	2.36	0.04	15.7538	3.14	2.32	0.19	2.88	5.96	0.46
2.89	5.45	0.26	3.03	2.25	0.05	15.7528	3.10	2.53	0.10	2.64	5.42	0.06
2.80	5.47	0.32	3.10	2.25	0.03	15.7519	3.10	2.48	0.06	2.49	5.26	0.09
2.55	5.47	0.30	3.09	2.29	0.03	15.7509	3.14	2.44	0.07	2.36	5.08	0.08
2.39	5.40	0.28	2.99	2.13	0.01	15.7500	2.93	2.41	0.09	2.34	4.65	0.10
2.48	5.66	0.38	2.92	2.18	0.00	15.7490	3.00	2.37	0.08	2.29	5.10	0.14
2.55	5.64	0.37	3.26	1.99	0.04	15.7481	3.09	2.30	0.09	2.24	5.35	0.16
2.61	5.82	0.40	3.28	2.15	0.09	15.7472	3.13	2.37	0.09	2.37	5.68	0.19
2.75	5.70	0.44	3.12	2.15	0.14	15.7462	2.98	2.29	0.09	2.34	5.92	0.21
2.31	5.94	0.46	3.13	2.30	0.00	15.7453	3.05	2.30	0.10	2.48	6.10	0.26
2.53	6.12	0.46	3.34	2.20	0.09	15.7443	3.14	2.23	0.09	2.55	6.15	0.21
2.25	6.12	0.51	3.24	2.34	0.00	15.7434	3.24	2.11	0.09	2.51	6.29	0.19
2.28	6.17	0.54	3.14	2.27	0.01	15.7424	3.13	2.09	0.25	2.57	6.54	0.14
2.30	6.20	0.49	3.28	2.51	0.03	15.7415	3.14	2.15	0.29	2.59	6.73	0.13
2.34	5.91	0.49	3.52	2.46	0.03	15.7405	3.16	1.80	0.29	2.94	6.52	0.13
2.37	5.59	0.37	3.32	2.55	0.04	15.7396	3.18	1.89	0.31	2.79	6.54	0.13
2.33	5.96	0.27	3.17	2.48	0.01	15.7386	3.16	1.76	0.33	2.78	6.64	0.13
2.39	5.80	0.29	3.35	2.36	0.03	15.7377	2.87	1.78	0.33	2.72	6.57	0.11
2.40	6.06	0.28	3.24	2.43	0.08	15.7367	2.88	1.80	0.33	2.66	6.54	0.11
2.56	6.10	0.32	3.13	2.41	0.12	15.7358	2.89	1.68	0.34	2.54	6.43	0.10
2.62	6.08	0.37	3.21	2.50	0.43	15.7348	2.89	1.69	0.33	2.30	6.26	0.13
2.43	6.20	0.43	3.21	2.50	0.07	15.7339	3.00	1.66	0.35	2.16	6.27	0.16
2.55	6.36	0.42	3.40	2.55	0.00	15.7329	2.96	1.87	0.38	2.22	6.19	0.18
2.62	6.47	0.39	3.48	2.44	0.01	15.7320	3.03	1.97	0.42	2.13	6.22	0.16
2.28	6.10	0.26	3.47	2.83	0.03	15.7311	3.14	2.02	0.46	2.30	6.26	0.16
2.38	6.43	0.25	3.56	2.76	0.03	15.7301	3.03	2.11	0.35	2.30	6.12	0.16
2.42	6.17	0.34	3.74	3.07	0.03	15.7292	3.15	2.22	0.27	2.25	6.19	0.16
2.38	6.40	0.49	3.34	2.83	0.03	15.7282	3.00	2.20	0.30	2.34	6.17	0.17
2.46	6.45	0.52	3.62	2.86	0.01	15.7273	3.03	2.22	0.29	2.33	6.24	0.16
2.48	6.38	0.52	3.88	2.92	0.00	15.7263	3.27	2.41	0.28	2.31	6.31	0.13
2.44	6.34	0.51	4.04	2.85	0.02	15.7254	3.26	2.30	0.30	2.29	6.40	0.14
2.34	6.38	0.55	4.02	2.83	0.00	15.7244	3.24	2.34	0.35	2.34	6.29	0.15
2.34	6.13	0.54	3.57	2.67	0.08	15.7235	3.38	2.25	0.36	2.32	6.34	0.12
2.21	6.13	0.54	3.58	2.44	0.08	15.7225	3.43	2.27	0.36	2.53	6.34	0.12
2.29	6.22	0.59	3.51	2.36	0.16	15.7216	3.41	2.18	0.39	2.55	6.33	0.12
2.29	6.08	0.55	3.56	2.25	0.14	15.7206	3.60	2.27	0.33	2.29	6.45	0.09
2.39	5.80	0.51	3.70	2.60	0.00	15.7197	3.19	2.06	0.36	2.30	6.34	0.09
2.40	5.59	0.45	3.45	2.69	0.00	15.7187	3.21	1.96	0.33	2.47	6.20	0.09
2.52	5.75	0.40	3.55	2.55	0.00	15.7178	3.00	1.96	0.27	2.22	6.19	0.10
2.25	5.36	0.47	3.43	2.69	0.00	15.7168	3.11	1.90	0.20	2.67	6.40	0.17
2.30	5.52	0.38	3.44	2.46	0.00	15.7159	3.04	1.85	0.12	2.82	6.17	0.26
2.36	5.50	0.45	3.41	2.48	0.01	15.7150	3.11	1.82	0.14	2.63	6.17	0.25
2.42	5.71	0.44	3.32	2.36	0.04	15.7140	3.14	1.78	0.21	2.82	6.05	0.22
2.55	5.73	0.52	3.26	2.34	0.03	15.7131	3.18	1.96	0.22	2.92	5.92	0.21
2.45	5.92	0.52	3.32	2.20	0.04	15.7121	3.24	1.97	0.11	2.81	5.77	0.28
2.34	5.78	0.51	3.37	2.27	0.04	15.7112	3.18	1.94	0.09	2.59	5.71	0.24
2.25	5.91	0.38	3.33	2.06	0.06	15.7102	3.25	1.96	0.08	2.57	5.63	0.14
2.20	5.87	0.51	3.42	2.18	0.05	15.7093	3.24	1.92	0.07	2.60	5.43	0.09
2.26	5.99	0.38	3.43	2.09	0.07	15.7083	3.43	1.90	0.08	2.52	5.42	0.09
2.16	5.77	0.43	3.49	2.27	0.07	15.7074	3.35	1.87	0.08	2.47	5.54	0.10
2.19	6.01	0.44	3.37	2.16	0.10	15.7064	3.29	1.80	0.09	2.25	5.77	0.08
2.22	5.73	0.35	3.25	2.18	0.14	15.7055	3.26	1.87	0.09	2.35	5.68	0.10
2.22	5.61	0.35	3.24	2.22	0.14	15.7045	3.38	1.90	0.09	2.30	5.73	0.10
2.10	5.68	0.27	3.23	2.16	0.06	15.7036	3.27	2.06	0.09	2.35	5.77	0.10
2.23	5.40	0.23	3.30	2.36	0.05	15.7026	3.31	1.99	0.08	2.42	5.96	0.09
2.31	5.42	0.26	3.36	1.90	0.07	15.7017	3.35	1.99	0.13	2.37	5.82	0.05

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)		HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)
2.39	5.50	0.25	3.44	2.15	0.07	15.7008	3.32	1.85	0.24	2.34	6.01	0.05
2.65	5.54	0.33	3.42	2.08	0.03	15.6998	3.48	1.83	0.24	2.53	6.06	0.04
2.62	5.91	0.38	3.32	2.18	0.10	15.6989	3.11	1.62	0.24	2.51	6.08	0.05
2.50	6.13	0.37	3.43	2.04	0.01	15.6979	3.10	1.73	0.24	2.69	6.19	0.07
2.49	6.31	0.34	3.33	2.02	0.00	15.6970	3.25	1.68	0.23	2.63	6.22	0.08
2.43	6.34	0.35	3.28	2.22	0.00	15.6960	2.95	1.83	0.22	2.34	6.13	0.10
2.40	6.29	0.35	3.30	2.15	0.04	15.6951	3.03	2.15	0.22	2.07	6.06	0.12
2.33	6.31	0.37	3.69	2.18	0.02	15.6941	2.83	2.08	0.20	2.26	5.91	0.10
2.32	6.34	0.32	3.24	2.13	0.00	15.6932	2.76	2.04	0.29	2.10	5.92	0.09
2.19	6.31	0.31	3.10	2.15	0.00	15.6922	2.92	1.83	0.27	1.98	5.82	0.10
2.20	6.47	0.34	3.28	2.27	0.01	15.6913	3.04	1.96	0.30	2.13	5.96	0.08
2.04	6.31	0.35	3.22	2.02	0.03	15.6903	2.81	2.11	0.22	2.00	6.26	0.09
2.06	6.54	0.36	3.17	2.41	0.03	15.6894	2.77	2.13	0.21	2.00	6.22	0.10
2.04	6.59	0.36	3.06	2.16	0.01	15.6884	2.84	2.16	0.20	2.17	6.38	0.08
2.04	6.66	0.37	3.33	2.15	0.05	15.6875	3.05	2.01	0.09	2.17	6.24	0.09
2.04	6.78	0.37	3.24	2.36	0.05	15.6865	2.88	1.99	0.09	2.28	6.24	0.09
2.09	6.69	0.38	3.28	2.36	0.04	15.6856	2.77	2.11	0.09	2.07	6.33	0.11
2.03	6.76	0.40	3.23	2.37	0.04	15.6847	2.84	2.15	0.08	2.06	6.31	0.09
2.15	6.75	0.37	3.27	2.41	0.03	15.6837	2.77	2.06	0.08	2.05	6.26	0.09
2.07	7.03	0.34	3.39	2.39	0.02	15.6828	2.85	2.23	0.05	2.02	6.12	0.06
2.12	7.22	0.36	3.38	2.44	0.01	15.6818	2.89	2.13	0.06	2.20	6.01	0.08
1.97	7.20	0.37	3.31	2.36	0.05	15.6809	3.06	2.04	0.09	2.47	6.15	0.07
2.09	7.34	0.40	3.21	2.58	0.03	15.6799	2.97	1.94	0.08	2.65	6.22	0.06
1.99	6.99	0.40	3.21	2.46	0.14	15.6790	3.10	1.83	0.07	2.88	6.47	0.08
1.99	6.71	0.37	3.27	2.55	0.03	15.6780	3.20	2.01	0.06	2.98	6.47	0.07
1.94	6.31	0.25	3.10	2.34	0.00	15.6771	3.24	1.97	0.05	2.91	6.48	0.06
2.06	5.77	0.18	3.04	2.39	0.01	15.6761	2.96	1.82	0.04	2.90	6.10	0.09
2.18	5.47	0.19	3.32	2.30	0.05	15.6752	2.99	1.96	0.05	3.11	5.92	0.09
2.29	5.15	0.12	3.24	2.13	0.25	15.6742	2.89	1.92	0.04	3.12	5.63	0.08
2.29	4.70	0.04	3.12	1.96	0.18	15.6733	2.98	1.80	0.04	3.15	5.21	0.04
2.59	4.87	0.07	3.22	1.82	0.04	15.6723	2.83	2.13	0.04	3.24	5.14	0.05
2.66	4.65	0.03	3.02	2.01	0.00	15.6714	2.79	1.96	0.06	2.99	4.80	0.06
3.00	4.77	0.08	3.05	1.94	0.01	15.6704	2.82	2.06	0.07	2.85	4.33	0.06
2.81	5.07	0.08	3.02	1.87	0.01	15.6695	2.80	2.06	0.07	2.78	4.24	0.06
2.84	5.77	0.10	3.66	1.83	0.04	15.6686	3.04	2.18	0.04	2.72	3.98	0.08
2.80	6.03	0.20	3.17	2.16	0.03	15.6676	2.97	2.36	0.06	2.60	3.70	0.06
2.59	6.26	0.25	2.89	2.11	0.00	15.6667	3.00	2.64	0.07	2.49	3.81	0.05
2.63	6.61	0.19	3.19	2.23	0.04	15.6657	3.17	2.85	0.08	2.47	3.61	0.05
2.78	6.62	0.11	3.12	2.60	0.02	15.6648	3.06	2.71	0.10	2.32	3.61	0.08
2.49	6.36	0.11	3.40	2.81	0.05	15.6638	2.97	2.64	0.19	2.46	3.86	0.08
2.71	6.40	0.09	3.29	2.67	0.04	15.6629	2.80	2.71	0.22	2.44	4.21	0.07
2.54	6.29	0.10	3.37	2.81	0.07	15.6619	2.78	2.69	0.30	2.39	4.63	0.08
1.83	6.15	0.10	3.36	2.85	0.08	15.6610	2.86	2.58	0.33	2.12	4.98	0.14
1.76	6.19	0.06	3.37	2.79	0.07	15.6600	2.96	2.60	0.33	2.37	5.31	0.09
1.72	6.12	0.03	3.46	2.85	0.07	15.6591	2.71	2.51	0.28	2.31	5.54	0.12
1.81	6.05	0.06	3.47	2.85	0.06	15.6581	2.92	2.43	0.28	2.37	5.99	0.08
1.91	6.20	0.10	3.34	2.92	0.06	15.6572	2.80	2.50	0.32	2.40	6.17	0.10
2.35	6.22	0.06	3.43	2.88	0.06	15.6562	2.86	2.43	0.28	2.21	6.12	0.02
2.08	6.27	0.06	3.85	2.69	0.06	15.6553	3.08	2.43	0.27	2.02	6.27	0.03
1.91	6.31	0.10	3.94	2.97	0.07	15.6543	3.19	2.37	0.26	1.82	6.26	0.00
1.74	6.45	0.10	3.97	2.81	0.06	15.6534	3.22	2.29	0.25	1.84	6.19	0.00
2.00	6.38	0.07	3.99	2.88	0.07	15.6525	3.07	2.20	0.26	1.84	6.20	0.03
1.97	6.29	0.07	4.08	2.65	0.07	15.6515	3.04	2.08	0.26	1.83	6.12	0.03
2.36	6.22	0.04	4.19	2.65	0.06	15.6506	3.19	2.11	0.25	1.95	6.22	0.04
2.40	6.19	0.04	4.06	2.67	0.08	15.6496	3.29	2.23	0.19	1.64	6.45	0.00
2.06	6.03	0.05	4.12	2.53	0.11	15.6487	3.43	2.04	0.23	1.74	6.41	0.00
2.19	5.87	0.06	4.00	2.46	0.10	15.6477	3.21	2.13	0.23	1.85	6.52	0.01
2.19	5.87	0.07	4.16	2.37	0.08	15.6468	3.31	2.18	0.27	1.92	6.55	0.03
2.65	5.92	0.06	3.92	2.43	0.08	15.6458	3.25	2.23	0.26	2.04	6.68	0.02

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
2.62	5.71	0.05	3.95	2.20	0.06	15.6449	3.16	2.04	0.24	2.09	6.61	0.00
2.65	5.68	0.04	3.89	2.30	0.04	15.6439	3.03	2.02	0.12	1.95	6.40	0.00
2.69	5.64	0.01	3.97	2.29	0.06	15.6430	3.03	2.09	0.10	1.92	6.29	0.08
2.67	5.78	0.04	3.94	2.43	0.06	15.6420	2.96	1.80	0.08	1.85	6.36	0.08
2.66	5.84	0.05	3.70	2.44	0.07	15.6411	3.06	1.54	0.15	1.93	6.38	0.08
2.87	5.92	0.03	3.51	2.43	0.08	15.6401	3.02	1.68	0.22	2.00	6.38	0.09
2.99	6.06	0.05	3.70	2.55	0.08	15.6392	2.75	1.76	0.26	1.92	6.41	0.10
3.14	6.08	0.03	3.58	2.50	0.05	15.6383	2.86	1.96	0.24	1.85	6.48	0.11
2.42	6.13	0.03	3.91	2.50	0.06	15.6373	2.88	1.75	0.28	1.73	6.45	0.06
2.30	6.10	0.05	4.01	2.50	0.06	15.6364	2.94	1.89	0.28	1.90	6.47	0.00
2.33	6.17	0.05	3.79	2.71	0.04	15.6354	3.00	1.92	0.21	1.96	6.50	0.11
2.22	6.10	0.06	3.96	2.62	0.04	15.6345	2.63	1.94	0.21	2.03	6.50	0.08
2.15	6.05	0.06	3.73	2.79	0.04	15.6335	2.72	2.13	0.21	1.91	6.40	0.08
2.42	5.92	0.06	3.65	2.72	0.06	15.6326	2.73	2.29	0.24	1.91	6.40	0.04
2.47	5.96	0.06	3.93	2.92	0.03	15.6316	2.88	2.32	0.25	2.04	6.40	0.03
2.42	5.85	0.06	3.94	2.86	0.02	15.6307	2.89	2.27	0.25	2.04	6.40	0.03
2.39	5.87	0.07	3.81	2.95	0.04	15.6297	2.58	2.64	0.26	1.95	6.36	0.05
2.29	5.91	0.07	3.82	2.92	0.06	15.6288	2.64	2.78	0.22	1.95	6.31	0.10
2.24	5.94	0.05	3.58	2.85	0.05	15.6278	2.68	2.88	0.18	2.08	6.17	0.06
2.48	6.03	0.05	3.66	2.95	0.07	15.6269	2.80	2.93	0.21	2.21	6.17	0.06
2.59	5.98	0.03	3.75	3.06	0.05	15.6259	2.90	3.13	0.22	2.29	6.13	0.12
2.50	5.89	0.07	3.28	3.00	0.05	15.6250	2.80	2.86	0.13	2.18	6.08	0.09
2.55	5.94	0.08	3.99	2.97	0.06	15.6240	2.79	2.81	0.23	2.29	5.96	0.07
2.57	6.03	0.08	3.85	3.06	0.04	15.6231	2.92	2.79	0.22	2.36	5.82	0.07
2.46	6.01	0.12	4.02	2.88	0.04	15.6222	3.00	2.72	0.20	2.52	5.70	0.11
2.55	6.03	0.12	4.07	3.16	0.02	15.6212	2.93	2.69	0.23	2.57	5.70	0.11
2.62	5.89	0.11	4.21	2.92	0.04	15.6203	2.89	2.67	0.22	2.55	5.85	0.12
3.05	5.35	0.07	4.09	3.00	0.04	15.6193	2.87	2.55	0.24	2.62	5.94	0.12
2.65	5.12	0.07	3.82	2.78	0.04	15.6184	2.79	2.53	0.24	2.53	5.77	0.09
1.94	4.54	0.03	3.88	2.79	0.02	15.6174	2.74	2.39	0.25	2.80	5.59	0.09
2.08	4.26	0.00	3.25	2.51	0.02	15.6165	2.52	2.27	0.18	2.98	5.59	0.08
2.11	3.91	0.00	3.85	2.48	0.02	15.6155	2.60	2.36	0.18	2.73	5.47	0.08
3.04	3.86	0.01	3.14	2.53	0.02	15.6146	2.90	2.09	0.12	2.90	5.17	0.08
3.23	3.77	0.02	3.88	2.37	0.02	15.6136	3.10	2.27	0.14	2.65	4.87	0.08
3.17	3.82	0.00	3.85	2.36	0.00	15.6127	2.71	2.36	0.17	2.22	4.56	0.07
3.17	3.70	0.00	3.07	2.44	0.06	15.6117	2.85	2.37	0.13	3.03	4.21	0.01
3.51	3.79	0.00	2.99	2.53	0.04	15.6108	2.83	2.48	0.06	2.89	3.96	0.06
4.26	3.86	0.02	3.33	2.55	0.02	15.6098	3.00	2.51	0.11	2.55	3.82	0.07
4.06	4.30	0.02	4.17	2.57	0.01	15.6089	2.97	2.41	0.19	2.50	3.65	0.09
3.63	4.66	0.02	4.38	2.58	0.01	15.6079	2.93	2.34	0.08	2.40	3.68	0.10
3.51	4.79	0.04	4.54	2.60	0.03	15.6070	2.85	2.43	0.17	2.42	3.67	0.09
3.48	5.33	0.04	4.28	2.69	0.03	15.6061	3.00	2.50	0.20	2.64	3.84	0.08
3.40	5.47	0.06	4.08	2.57	0.03	15.6051	3.06	2.50	0.24	2.64	4.02	0.14
3.08	5.87	0.07	4.22	2.72	0.04	15.6042	2.99	2.53	0.18	2.67	4.19	0.14
3.10	5.92	0.07	4.35	2.86	0.04	15.6032	2.95	2.37	0.25	2.53	4.31	0.09
3.71	5.78	0.06	4.18	2.86	0.04	15.6023	2.99	2.11	0.27	2.51	4.61	0.10
3.29	5.77	0.09	3.84	3.07	0.03	15.6013	3.33	2.25	0.25	2.46	4.79	0.10
2.25	5.68	0.10	3.79	2.93	0.04	15.6004	3.57	2.25	0.23	2.65	4.89	0.11
2.87	5.73	0.07	3.44	3.09	0.02	15.5994	3.07	2.04	0.22	2.91	5.03	0.11
3.25	5.70	0.10	3.71	3.06	0.02	15.5985	2.88	2.18	0.16	3.07	5.22	0.11
3.00	5.70	0.10	3.92	3.21	0.02	15.5975	3.11	2.08	0.16	3.08	5.24	0.11
3.18	5.63	0.10	3.93	3.20	0.03	15.5966	3.07	2.11	0.24	2.97	5.33	0.10
2.66	5.54	0.08	4.16	3.26	0.03	15.5956	3.03	1.97	0.30	2.92	5.29	0.09
2.34	5.47	0.06	3.89	3.16	0.00	15.5947	3.16	2.06	0.27	2.96	5.14	0.08
2.27	5.52	0.06	3.67	3.18	0.03	15.5937	3.11	1.94	0.23	2.98	5.01	0.07
2.67	5.50	0.05	3.60	3.18	0.01	15.5928	3.25	2.25	0.21	2.85	5.00	0.08
2.76	5.50	0.03	4.13	3.07	0.02	15.5918	3.15	2.22	0.23	2.76	4.80	0.07
2.18	5.49	0.04	4.71	2.95	0.00	15.5909	3.26	2.20	0.22	2.82	4.68	0.08
2.19	5.54	0.06	4.49	2.90	0.02	15.5900	3.14	2.27	0.22	2.79	4.66	0.08

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)		HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)	HMA Thickness (in.)	Cross Slope (%)	Rut Depth (in.)
2.18	5.54	0.07	4.08	2.88	0.03	15.5890	3.23	2.36	0.16	2.73	4.56	0.06
2.21	5.70	0.03	4.12	2.81	0.05	15.5881	3.18	2.43	0.04	2.80	4.70	0.06
2.77	5.63	0.08	4.14	2.79	0.07	15.5871	3.30	2.32	0.00	3.01	4.73	0.07
2.21	5.77	0.08	3.96	2.64	0.07	15.5862	2.94	2.25	0.00	3.04	4.73	0.06
2.14	5.73	0.09	4.73	2.58	0.05	15.5852	2.85	2.32	0.00	2.81	4.70	0.07
3.06	5.59	0.13	4.45	2.60	0.05	15.5843	3.00	2.13	0.00	2.75	4.77	0.08
4.22	5.84	0.09	4.77	2.51	0.01	15.5833	2.98	2.25	0.00	2.72	4.84	0.07
3.68	5.89	0.04	4.11	2.57	0.00	15.5824	2.92	2.25	0.00	2.76	4.93	0.07
3.62	5.84	0.05	4.30	2.60	0.00	15.5814	3.03	2.25	0.00	2.50	4.98	0.08
3.49	5.85	0.08	4.55	2.67	0.00	15.5805	2.79	2.30	0.00	2.45	5.07	0.05
2.69	5.68	0.08	5.57	2.78	0.00	15.5795	2.92	2.39	0.00	2.29	4.87	0.05
2.68	5.52	0.09	4.87	2.69	0.00	15.5786	3.02	2.37	0.00	2.34	4.94	0.07
2.93	5.59	0.10	4.50	2.81	0.00	15.5776	3.28	2.57	0.00	2.30	5.17	0.07
2.51	5.57	0.06	4.46	2.93	0.00	15.5767	3.41	2.51	0.00	2.35	5.21	0.07
2.61	5.54	0.09	4.36	2.95	0.00	15.5758	3.41	2.58	0.00	2.46	5.24	0.08
2.61	5.77	0.07	4.08	3.06	0.00	15.5748	3.17	2.67	0.00	2.46	5.31	0.08
3.02	5.64	0.07	3.98	3.09	0.00	15.5739	3.26	2.72	0.00	2.59	5.36	0.08
2.81	5.52	0.05	4.27	3.23	0.00	15.5729	3.10	2.62	0.05	2.73	5.42	0.07
2.72	5.47	0.05	4.50	3.09	0.00	15.5720	2.98	2.62	0.06	2.79	5.38	0.11
2.63	5.33	0.06	4.58	3.18	0.00	15.5710	2.93	2.51	0.00	2.67	5.50	0.07
2.73	5.43	0.04	4.34	2.95	0.00	15.5701	3.19	2.55	0.00	3.12	5.35	0.08
2.68	5.33	0.06	4.16	3.02	0.00	15.5691	3.66	2.60	0.00	3.05	5.10	0.07
2.75	5.56	0.08	4.15	2.90	0.00	15.5682	3.50	2.58	0.00	2.98	5.07	0.07
2.85	5.59	0.06	4.10	2.92	0.00	15.5672	3.07	2.46	0.00	3.14	4.73	0.06
2.70	5.77	0.05	4.08	2.76	0.00	15.5663	2.89	2.55	0.00	3.00	4.58	0.07
2.88	5.80	0.06	4.03	2.74	0.00	15.5653	3.10	2.53	0.03	2.74	4.63	0.07
2.82	5.89	0.06	4.21	2.58	0.00	15.5644	3.02	2.48	0.13	2.60	4.44	0.09
2.66	5.85	0.05	4.33	2.67	0.00	15.5634	2.88	2.50	0.09	2.29	4.33	0.10
2.58	5.89	0.05	4.17	2.58	0.00	15.5625	2.87	2.48	0.00	2.76	4.61	0.10
2.68	5.63	0.05	3.97	2.65	0.00	15.5615	3.23	2.64	0.00	3.02	4.91	0.10
2.79	5.66	0.06	4.08	2.71	0.00	15.5606	3.19	2.58	0.00	3.21	4.94	0.10
2.69	5.80	0.09	4.33	2.64	0.00	15.5597	3.05	2.60	0.00	3.55	5.43	0.10
2.81	5.70	0.07	4.39	2.72	0.00	15.5587	3.27	2.53	0.00	3.27	5.43	0.10
2.79	5.52	0.09	4.60	2.67	0.00	15.5578	3.44	2.57	0.01	2.97	5.26	0.00
2.84	5.59	0.10	4.33	2.65	0.00	15.5568	3.15	2.62	0.00	2.91	5.29	0.07
2.78	5.54	0.07	4.19	2.64	0.00	15.5559	3.11	2.53	0.00	3.24	5.00	0.07
2.91	5.84	0.07	3.99	2.72	0.00	15.5549	3.18	2.51	0.00	3.05	5.08	0.08
2.95	5.94	0.05	3.95	2.62	0.02	15.5540	2.93	2.37	0.00	3.14	4.84	0.08
3.07	6.05	0.05	3.97	2.65	0.02	15.5530	3.15	2.29	0.00	3.26	4.61	0.07
3.43	6.08	0.05	3.90	2.62	0.00	15.5521	3.24	2.06	0.00	3.28	4.30	0.05
2.73	6.29	0.09	4.22	2.65	0.00	15.5511	3.26	2.16	0.00	3.17	3.93	0.03
3.03	6.50	0.07	4.15	2.67	0.00	15.5502	3.09	2.20	0.00	3.05	3.60	0.03
2.91	6.66	0.07	3.88	2.76	0.00	15.5492	3.16	2.16	0.00	3.20	3.49	0.02
2.88	6.61	0.09	3.79	2.74	0.03	15.5483	3.11	2.34	0.00	2.77	3.25	0.03
2.61	6.52	0.07	3.92	2.76	0.00	15.5473	3.28	2.15	0.00	2.87	3.21	0.00
2.34	6.29	0.06	3.64	3.02	0.00	15.5464	3.27	2.27	0.00	2.90	3.28	0.02
2.32	6.05	0.05	3.64	2.78	0.00	15.5454	3.30	2.20	0.03	3.08	3.33	0.04
2.56	6.01	0.05	3.77	2.88	0.00	15.5445	3.18	2.30	0.03	2.73	3.56	0.04
2.79	6.06	0.07	3.78	2.93	0.00	15.5436	3.27	2.08	0.00	2.63	3.98	0.06
2.71	5.78	0.06	3.85	3.02	0.00	15.5426	3.33	2.01	0.00	2.48	4.14	0.06
2.92	5.84	0.06	3.91	3.09	0.00	15.5417	3.47	2.06	0.11	2.43	4.35	0.06
2.64	5.99	0.10	3.66	3.30	0.00	15.5407	3.54	2.18	0.12	2.38	4.52	0.07
2.51	6.05	0.12	3.63	3.35	0.00	15.5398	3.42	2.18	0.06	2.47	4.77	0.09
2.36	5.99	0.10	3.37	3.39	0.00	15.5388	3.34	2.09	0.07	2.41	5.10	0.09
2.37	5.84	0.09	3.28	3.44	0.00	15.5379	3.25	2.15	0.06	2.38	5.14	0.08
2.69	6.03	0.07	3.38	3.51	0.00	15.5369	3.21	2.16	0.05	2.49	5.24	0.08
2.93	5.89	0.06	3.48	3.33	0.00	15.5360	3.02	2.23	0.05	2.56	5.35	0.19
3.31	5.96	0.10	3.40	3.40	0.00	15.5350	3.27	2.30	0.06	2.71	5.68	0.13
2.66	5.92	0.10	3.44	3.25	0.00	15.5341	3.16	2.32	0.06	2.74	5.22	0.07

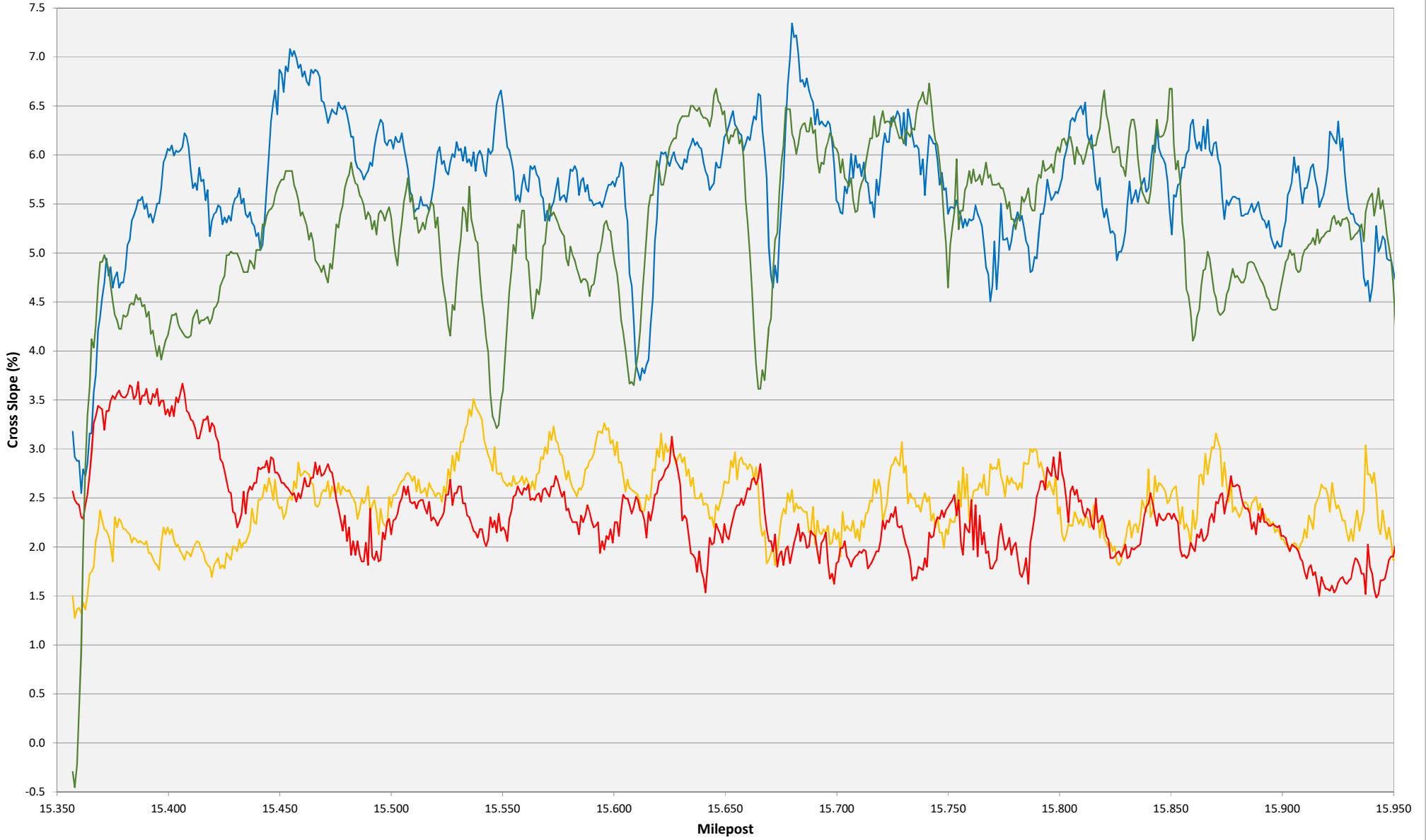
Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
2.29	6.08	0.08	3.52	3.20	0.00	15.5331	3.24	2.44	0.06	2.83	5.42	0.06
2.30	5.94	0.06	3.70	3.07	0.00	15.5322	3.19	2.44	0.08	2.94	5.47	0.06
2.34	6.06	0.08	3.50	3.07	0.00	15.5312	3.09	2.62	0.04	2.88	5.15	0.05
2.49	6.05	0.09	3.60	2.88	0.00	15.5303	3.18	2.62	0.03	2.82	4.96	0.03
2.28	6.13	0.06	3.57	2.97	0.00	15.5293	3.19	2.55	0.04	2.79	4.72	0.08
2.27	5.98	0.07	3.52	2.78	0.00	15.5284	3.25	2.55	0.03	2.45	4.42	0.09
2.35	6.01	0.09	3.59	2.93	0.00	15.5275	3.24	2.43	0.08	2.76	4.47	0.08
2.23	5.92	0.09	3.60	2.71	0.00	15.5265	3.11	2.69	0.08	2.57	4.16	0.08
2.24	5.80	0.10	3.76	2.79	0.00	15.5256	3.20	2.53	0.16	2.32	4.26	0.08
2.16	5.84	0.07	3.68	2.53	0.00	15.5246	3.38	2.53	0.22	2.45	4.49	0.08
2.60	5.94	0.08	3.70	2.62	0.00	15.5237	3.43	2.36	0.27	2.13	4.61	0.10
2.79	5.91	0.10	3.51	2.46	0.00	15.5227	3.21	2.30	0.30	1.96	4.77	0.09
2.92	6.08	0.10	3.57	2.55	0.00	15.5218	3.39	2.27	0.31	2.20	5.08	0.09
3.05	6.03	0.08	3.50	2.55	0.00	15.5208	3.30	2.22	0.28	2.64	5.36	0.09
3.01	5.85	0.09	3.56	2.51	0.00	15.5199	3.41	2.27	0.20	2.63	5.26	0.09
2.78	5.68	0.09	3.51	2.57	0.00	15.5189	3.48	2.30	0.13	2.68	5.49	0.08
2.35	5.54	0.11	3.44	2.60	0.00	15.5180	3.52	2.27	0.06	2.78	5.52	0.07
2.23	5.43	0.08	3.47	2.65	0.00	15.5170	3.50	2.46	0.09	2.15	5.43	0.07
2.28	5.49	0.07	3.48	2.51	0.00	15.5161	3.60	2.34	0.05	2.09	5.36	0.07
2.44	5.49	0.05	3.64	2.60	0.00	15.5151	3.64	2.39	0.05	1.95	5.24	0.06
2.21	5.49	0.07	3.53	2.57	0.00	15.5142	3.63	2.48	0.04	1.92	5.31	0.04
2.79	5.57	0.07	3.47	2.55	0.00	15.5133	3.74	2.48	0.02	1.96	5.24	0.05
2.66	5.45	0.07	3.59	2.69	0.00	15.5123	3.67	2.46	0.07	2.13	5.21	0.06
2.68	5.45	0.09	3.58	2.57	0.00	15.5114	3.66	2.39	0.09	2.00	5.36	0.11
2.68	5.42	0.09	3.63	2.72	0.00	15.5104	3.74	2.46	0.07	2.27	5.35	0.14
2.66	5.57	0.10	3.57	2.67	0.00	15.5095	3.63	2.44	0.02	2.29	5.59	0.17
2.47	5.63	0.10	3.63	2.72	0.00	15.5085	3.69	2.46	0.02	2.42	5.52	0.17
2.54	5.85	0.10	3.75	2.76	0.00	15.5076	3.56	2.62	0.01	2.34	5.77	0.20
2.61	5.96	0.08	3.70	2.74	0.00	15.5066	3.27	2.53	0.11	2.35	5.64	0.16
2.48	6.08	0.09	3.63	2.69	0.00	15.5057	3.38	2.62	0.00	2.30	5.52	0.03
2.40	6.22	0.08	3.63	2.67	0.00	15.5047	3.31	2.50	0.00	2.45	5.31	0.11
2.30	6.13	0.08	3.62	2.64	0.04	15.5038	3.43	2.44	0.11	2.43	5.14	0.16
2.10	6.13	0.07	3.69	2.58	0.07	15.5028	3.32	2.34	0.14	2.95	4.87	0.15
2.13	6.19	0.10	3.54	2.53	0.03	15.5019	3.48	2.29	0.21	3.23	4.98	0.09
2.22	6.06	0.10	3.51	2.53	0.00	15.5009	3.35	2.27	0.16	3.11	5.14	0.11
2.17	6.15	0.09	3.51	2.41	0.00	15.5000	3.62	2.13	0.03	3.03	5.36	0.11
2.34	6.15	0.09	3.36	2.51	0.00	15.4990	3.53	2.29	0.08	3.02	5.47	0.10
2.17	6.10	0.10	3.36	2.22	0.00	15.4981	3.45	2.25	0.16	2.50	5.42	0.10
2.75	6.13	0.10	3.42	2.22	0.00	15.4972	3.55	2.08	0.14	2.27	5.33	0.10
2.41	6.33	0.12	3.21	2.25	0.00	15.4962	3.45	2.15	0.16	2.28	5.40	0.11
2.49	6.36	0.13	3.26	2.39	0.00	15.4953	3.29	1.87	0.06	2.14	5.43	0.10
2.39	6.29	0.13	3.40	2.13	0.00	15.4943	3.21	1.85	0.02	2.35	5.40	0.08
2.31	6.20	0.12	3.20	2.36	0.00	15.4934	3.14	1.96	0.03	2.32	5.19	0.11
2.18	6.08	0.11	3.26	2.48	0.00	15.4924	3.08	1.87	0.01	2.71	5.33	0.11
2.24	5.89	0.11	3.23	2.43	0.00	15.4915	3.33	1.90	0.02	2.77	5.24	0.11
2.12	5.92	0.11	3.28	2.36	0.00	15.4905	3.56	2.39	0.02	2.54	5.38	0.11
2.09	5.84	0.10	3.30	2.62	0.00	15.4896	3.26	1.82	0.02	2.30	5.42	0.09
2.46	5.80	0.11	3.39	2.50	0.00	15.4886	3.20	2.04	0.09	2.17	5.35	0.07
2.33	5.75	0.12	3.41	2.44	0.00	15.4877	3.10	1.85	0.07	2.73	5.49	0.07
2.20	5.82	0.13	3.42	2.50	0.00	15.4867	2.90	1.85	0.03	2.68	5.56	0.09
2.60	5.85	0.14	3.24	2.37	0.00	15.4858	2.76	1.92	0.07	2.74	5.59	0.09
2.68	5.87	0.12	3.28	2.29	0.00	15.4848	2.88	2.06	0.14	2.56	5.70	0.10
2.64	5.94	0.13	3.44	2.44	0.00	15.4839	2.83	1.92	0.15	2.35	5.71	0.10
2.65	6.19	0.13	3.51	2.50	0.00	15.4829	2.88	2.06	0.22	2.21	5.80	0.11
2.55	6.19	0.13	3.44	2.53	0.00	15.4820	2.72	1.92	0.22	2.21	5.92	0.11
2.24	6.31	0.14	3.61	2.58	0.00	15.4811	2.67	2.20	0.12	2.36	5.80	0.10
2.22	6.41	0.13	3.55	2.57	0.00	15.4801	2.42	2.06	0.02	2.19	5.75	0.12
2.25	6.50	0.12	3.34	2.58	0.00	15.4792	2.29	2.32	0.08	2.07	5.66	0.13
2.18	6.47	0.15	3.19	2.62	0.00	15.4782	2.14	2.16	0.04	2.04	5.49	0.13

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
2.04	6.48	0.16	3.36	2.53	0.00	15.4773	2.19	2.29	0.06	1.91	5.40	0.11
1.99	6.54	0.16	3.62	2.65	0.00	15.4763	2.41	2.39	0.05	2.13	5.26	0.10
2.01	6.41	0.16	3.66	2.55	0.00	15.4754	2.25	2.48	0.04	2.14	5.29	0.13
2.13	6.43	0.17	3.46	2.57	0.00	15.4744	2.47	2.64	0.05	2.04	5.05	0.07
2.24	6.47	0.13	3.78	2.62	0.00	15.4735	2.47	2.76	0.05	2.22	4.84	0.08
2.21	6.40	0.13	3.66	2.50	0.00	15.4725	2.71	2.78	0.05	2.29	4.89	0.08
2.23	6.33	0.12	3.70	2.67	0.00	15.4716	2.76	2.85	0.05	2.24	4.70	0.09
2.25	6.45	0.16	3.67	2.57	0.00	15.4706	2.65	2.79	0.04	2.19	4.77	0.11
2.15	6.54	0.15	3.78	2.58	0.00	15.4697	2.64	2.74	0.06	2.13	4.87	0.09
1.99	6.55	0.11	3.70	2.55	0.00	15.4687	2.74	2.72	0.05	2.12	4.80	0.09
2.35	6.80	0.13	3.75	2.44	0.00	15.4678	2.72	2.83	0.06	1.99	4.86	0.07
2.16	6.85	0.11	3.63	2.41	0.00	15.4668	2.59	2.74	0.05	2.09	4.89	0.08
1.90	6.87	0.10	3.62	2.43	0.00	15.4659	2.63	2.86	0.04	2.04	4.93	0.07
2.44	6.83	0.09	3.72	2.64	0.00	15.4650	2.56	2.71	0.05	2.04	5.12	0.08
2.32	6.87	0.09	3.58	2.65	0.00	15.4640	2.51	2.71	0.04	1.93	5.21	0.09
2.45	6.71	0.09	3.65	2.74	0.00	15.4631	2.39	2.62	0.07	2.05	5.14	0.09
2.34	6.75	0.08	3.72	2.76	0.00	15.4621	2.42	2.62	0.06	1.96	5.28	0.11
2.27	6.85	0.10	3.58	2.78	0.00	15.4612	2.60	2.71	0.07	2.02	5.35	0.11
2.11	6.80	0.13	3.56	2.74	0.00	15.4602	2.54	2.58	0.06	2.02	5.42	0.09
2.20	6.92	0.11	3.50	2.72	0.00	15.4593	2.61	2.50	0.07	1.91	5.38	0.08
2.11	6.89	0.11	3.53	2.86	0.00	15.4583	2.52	2.55	0.07	1.87	5.54	
2.25	6.99	0.11	3.57	2.60	0.00	15.4574	2.66	2.46	0.05	2.05	5.63	
2.16	7.06	0.13	3.61	2.67	0.00	15.4564	2.67	2.55	0.05	2.20	5.70	
2.32	7.01	0.09	3.56	2.48	0.00	15.4555	2.73	2.53	0.04	2.25	5.84	
2.12	7.08	0.09	3.49	2.51	0.00	15.4545	2.86	2.57	0.04	2.21	5.84	
2.36	6.85	0.15	3.55	2.48	0.00	15.4536	2.70	2.60	0.08	2.06	5.84	
2.35	6.90	0.22	3.43	2.34	0.00	15.4526	2.88	2.62	0.07	2.06	5.84	
2.33	6.64	0.22	3.34	2.29	0.00	15.4517	2.72	2.65	0.06	2.00	5.75	
2.70	6.83	0.15	3.29	2.41	0.00	15.4508	2.76	2.65	0.05	1.87	5.75	
2.53	6.87	0.13	3.22	2.39	0.00	15.4498	3.09	2.72	0.05	1.95	5.71	
2.51	6.41	0.11	3.26	2.46	0.00	15.4489	3.08	2.76	0.07	2.29	5.66	
2.43	6.66	0.11	3.28	2.69	0.00	15.4479	3.05	2.76	0.07	3.02	5.59	
2.22	6.54	0.10	3.15	2.48	0.00	15.4470	3.26	2.90	0.07	3.11	5.49	
2.30	6.34	0.08	3.07	2.62	0.00	15.4460	3.43	2.92	0.06	2.77	5.45	
1.89	6.01	0.09	3.14	2.71	0.00	15.4451	3.18	2.76	0.05	2.70	5.43	
1.98	5.66	0.09	3.21	2.57	0.00	15.4441	3.01	2.88	0.05	2.69	5.38	
1.79	5.35	0.08	3.12	2.64	0.04	15.4432	3.05	2.81	0.06	2.61	5.28	
1.72	5.08	0.09	3.17	2.51	0.03	15.4422	3.14	2.81	0.06	2.68	5.29	
1.92	5.03	0.12	3.28	2.48	0.00	15.4413	3.01	2.79	0.05	2.94	5.03	
2.19	5.21	0.12	3.17	2.48	0.01	15.4403	3.04	2.81	0.10	2.94	5.03	
2.43	5.17	0.13	3.12	2.23	0.01	15.4394	3.05	2.65	0.08	3.08	5.03	0.09
2.68	5.28	0.14	3.24	2.25	0.00	15.4384	3.04	2.65	0.05	2.93	4.84	0.11
2.66	5.31	0.12	3.37	2.39	0.00	15.4375	2.79	2.58	0.07	3.87	4.89	0.11
2.58	5.42	0.12	3.21	2.16	0.00	15.4365	2.70	2.62	0.07	3.19	4.93	0.11
2.54	5.36	0.12	3.30	2.09	0.00	15.4356	2.87	2.55	0.07	3.12	4.80	0.10
2.75	5.40	0.11	3.08	2.04	0.00	15.4347	2.81	2.34	0.08	3.79	4.80	0.08
2.70	5.56	0.12	3.16	2.04	0.00	15.4337	2.65	2.57	0.07	3.01	4.80	0.07
2.64	5.50	0.13	3.14	1.99	0.00	15.4328	2.70	2.34	0.06	3.71	4.87	0.06
2.82	5.66	0.12	3.17	2.08	0.01	15.4318	2.69	2.25	0.06	3.95	4.94	0.04
2.79	5.57	0.13	3.14	1.96	0.03	15.4309	2.62	2.20	0.09	3.81	5.00	0.04
2.45	5.56	0.11	3.03	1.99	0.02	15.4299	2.44	2.34	0.07	3.49	5.00	0.06
2.52	5.49	0.11	3.10	2.01	0.02	15.4290	2.51	2.36	0.08	3.67	5.00	0.08
2.75	5.33	0.13	3.14	1.87	0.03	15.4280	2.43	2.55	0.07	3.60	5.01	0.10
2.56	5.38	0.11	3.10	1.90	0.02	15.4271	2.82	2.57	0.08	3.88	4.98	0.14
2.52	5.31	0.09	3.13	1.94	0.03	15.4261	2.67	2.67	0.06	4.11	4.98	0.16
2.91	5.36	0.10	2.99	1.78	0.03	15.4252	2.60	2.78	0.04	4.37	4.77	0.16
3.00	5.29	0.09	2.96	1.82	0.05	15.4242	2.60	2.86	0.05	4.10	4.72	0.14
2.87	5.47	0.10	2.86	1.78	0.03	15.4233	2.49	2.90	0.08	3.56	4.66	0.14
2.42	5.49	0.09	2.79	1.89	0.05	15.4223	2.49	3.07	0.06	3.47	4.51	0.12

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
2.75	5.42	0.09	2.73	1.85	0.04	15.4214	2.50	3.13	0.05	3.53	4.45	0.13
2.59	5.40	0.10	2.59	1.82	0.04	15.4204	2.40	3.23	0.06	3.30	4.44	0.12
2.47	5.33	0.10	2.54	1.69	0.04	15.4195	2.38	3.26	0.06	3.92	4.33	0.12
2.58	5.17	0.10	2.54	1.80	0.03	15.4186	2.38	3.18	0.06	3.90	4.28	0.08
2.72	5.64	0.14	2.62	1.82	0.02	15.4176	2.38	3.33	0.04	4.11	4.35	0.08
2.84	5.54	0.14	2.64	1.85	0.02	15.4167	2.40	3.30	0.04	3.65	4.33	0.10
2.58	5.75	0.13	2.63	1.94	0.00	15.4157	2.50	3.30	0.04	3.65	4.31	0.10
2.44	5.73	0.09	2.61	1.97	0.02	15.4148	2.59	3.20	0.05	3.87	4.31	0.11
2.48	5.87	0.09	2.73	2.04	0.01	15.4138	2.51	3.11	0.04	4.15	4.28	0.08
2.20	5.64	0.10	2.91	2.06	0.01	15.4129	2.60	3.11	0.03	4.03	4.42	0.09
2.19	5.71	0.09	2.95	2.02	0.00	15.4119	2.55	3.21	0.04	3.99	4.38	0.05
2.32	5.66	0.12	2.98	1.97	0.00	15.4110	2.62	3.28	0.05	3.89	4.33	0.04
2.42	5.84	0.11	3.12	1.90	0.01	15.4100	2.60	3.30	0.05	3.39	4.16	0.06
2.42	6.08	0.10	3.04	1.94	0.00	15.4091	2.63	3.37	0.05	4.15	4.14	0.07
2.54	6.19	0.08	2.88	1.96	0.00	15.4081	2.62	3.39	0.05	3.96	4.14	0.06
2.55	6.22	0.09	2.85	1.87	0.00	15.4072	2.57	3.56	0.03	3.68	4.16	0.05
2.29	6.08	0.11	2.81	1.92	0.01	15.4062	2.65	3.67	0.04	3.62	4.19	0.02
2.25	6.05	0.12	2.78	1.96	0.04	15.4053	2.57	3.56	0.05	3.79	4.23	0.01
2.25	6.03	0.10	2.78	2.02	0.02	15.4043	2.53	3.47	0.05	4.00	4.28	0.08
2.11	6.05	0.12	2.66	2.01	0.00	15.4034	2.68	3.53	0.05	4.16	4.38	0.06
2.05	5.99	0.13	2.84	2.08	0.02	15.4025	2.75	3.33	0.06	3.74	4.37	0.08
2.06	6.10	0.13	2.78	2.18	0.02	15.4015	2.70	3.44	0.06	3.98	4.37	0.08
1.90	6.05	0.13	2.67	2.13	0.06	15.4006	2.65	3.33	0.08	4.10	4.24	0.05
1.95	6.06	0.13	2.65	2.20	0.02	15.3996	2.56	3.40	0.09	4.31	4.16	0.02
1.92	5.98	0.13	2.61	2.13	0.02	15.3987	2.88	3.35	0.07	3.92	4.10	0.03
2.26	5.92	0.17	2.63	2.20	0.05	15.3977	3.25	3.49	0.06	4.06	4.02	0.03
1.96	5.66	0.12	2.85	2.02	0.10	15.3968	3.20	3.49	0.08	4.15	3.91	0.00
1.90	5.50	0.11	2.70	1.76	0.08	15.3958	2.81	3.44	0.11	3.71	4.05	0.03
2.45	5.50	0.11	2.66	1.82	0.07	15.3949	2.66	3.61	0.14	3.95	3.95	0.00
1.77	5.40	0.11	2.44	1.83	0.04	15.3939	2.76	3.53	0.09	4.14	4.07	0.01
2.06	5.31	0.12	2.37	1.89	0.07	15.3930	2.77	3.56	0.10	4.00	4.21	0.02
2.04	5.40	0.09	2.76	1.94	0.07	15.3920	2.64	3.46	0.07	4.87	4.17	0.00
1.94	5.36	0.12	2.46	1.94	0.09	15.3911	2.53	3.47	0.08	4.03	4.40	0.00
1.89	5.50	0.14	2.46	2.06	0.08	15.3901	2.47	3.61	0.09	4.66	4.35	0.00
1.74	5.45	0.11	2.60	2.02	0.10	15.3892	2.57	3.54	0.10	4.19	4.47	0.03
1.62	5.57	0.11	2.61	2.04	0.10	15.3883	2.45	3.54	0.10	4.20	4.45	0.01
1.79	5.54	0.12	2.53	2.06	0.09	15.3873	2.39	3.46	0.09	4.24	4.54	0.03
1.84	5.54	0.10	2.45	2.04	0.06	15.3864	2.12	3.68	0.09	3.77	4.52	0.08
1.69	5.45	0.09	2.61	2.08	0.10	15.3854	2.36	3.54	0.06	3.78	4.58	0.05
1.77	5.38	0.12	2.62	2.09	0.11	15.3845	2.30	3.51	0.06	3.61	4.47	0.04
1.71	5.33	0.12	2.56	2.04	0.11	15.3835	2.35	3.63	0.06	3.80	4.49	0.04
1.75	5.14	0.12	2.44	2.13	0.08	15.3826	2.53	3.65	0.05	3.75	4.47	0.01
1.76	5.08	0.10	2.38	2.15	0.08	15.3816	2.47	3.56	0.06	4.32	4.37	0.00
1.71	4.84	0.10	2.34	2.18	0.11	15.3807	2.24	3.53	0.08	3.73	4.35	0.05
1.61	4.70	0.10	2.29	2.18	0.10	15.3797	2.06	3.53	0.08	3.74	4.37	0.06
1.67	4.70	0.09	2.45	2.25	0.09	15.3788	1.92	3.54	0.07	3.71	4.23	0.05
1.65	4.65	0.06	2.33	2.29	0.09	15.3778	1.87	3.60	0.07	3.47	4.23	0.05
1.82	4.80	0.09	2.42	2.20	0.14	15.3769	1.81	3.56	0.07	4.04	4.31	0.04
1.83	4.75	0.07	2.19	2.30	0.29	15.3759	1.88	3.51	0.03	3.93	4.37	0.05
1.87	4.65	0.10	2.08	1.85	0.14	15.3750	2.23	3.54	0.03	3.59	4.51	0.06
1.83	4.86	0.14	2.23	2.02	0.12	15.3740	2.43	3.49	0.03	3.93	4.68	0.04
1.85	4.77	0.13	2.01	2.11	0.13	15.3731	2.26	3.39	0.02	4.18	4.84	0.05
1.98	4.94	0.11	2.07	2.16	0.16	15.3722	2.49	3.39	0.00	4.03	4.91	0.05
1.53	4.70	0.10	2.06	2.18	0.16	15.3712	2.56	3.20	0.00	3.56	4.98	0.07
1.50	4.54	0.11	2.05	2.27	0.08	15.3703	2.92	3.40	0.00	3.37	4.91	0.09
1.64	4.35	0.11	2.06	2.37	0.05	15.3693	2.75	3.42	0.00	4.05	4.91	0.08
1.50	4.21	0.09	1.98	2.16	0.05	15.3684	2.99	3.44	0.00	3.65	4.66	0.06
1.37	3.75	0.13	2.02	2.06	0.03	15.3674	3.48	3.33	0.00	4.35	4.26	0.11
1.50	3.58	0.08	1.82	1.80	0.07	15.3665	3.66	3.26	0.03	4.34	4.03	0.09

Westbound						Milepost	Eastbound					
L2			L1				R1			R2		
HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth		HMA Thickness	Cross Slope	Rut Depth	HMA Thickness	Cross Slope	Rut Depth
(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	(in.)	(%)	(in.)	
1.37	3.16	0.08	2.05	1.75	0.07	15.3655	3.82	2.97	0.03	4.47	4.12	0.09
1.65	3.16	0.10	2.05	1.73	0.04	15.3646	3.48	2.74	0.09	4.11	3.63	0.03
2.04	2.85	0.09	2.05	1.50	0.08	15.3636	4.37	2.53	0.00	5.13	3.33	0.03
2.25	2.72	0.07	2.03	1.36	0.11	15.3627	3.88	2.43	0.08	5.28	2.83	0.08
2.50	2.79	0.07	1.89	1.43	0.11	15.3617	4.20	2.29	0.00	5.80	1.97	0.09
2.25	2.55	0.04	1.93	1.33	0.08	15.3608	4.46	2.30	0.00	5.62	0.93	0.04
2.93	2.88	0.12	1.91	1.38	0.04	15.3598	4.03	2.43	0.00	5.26	0.33	0.03
4.43	2.88	0.10	2.45	1.36	0.05	15.3589	4.41	2.44	0.00	5.84	-0.23	0.00
4.47	2.92	0.13	3.41	1.27	0.06	15.3579	4.60	2.48	0.00	6.21	-0.45	0.00
4.51	3.18		4.05	1.50		15.3570	4.56	2.57		6.32	-0.30	

FPN 439236-1; SR 50 (Colonial Dr.) Cross Slopes



WB - Lane L2 WB - Lane L1 EB - Lane R1 EB - Lane R2



MP 15.386 Eastbound – A view of the 16-ft wide outside (R2) travel lane. Core #4 revealed a split pavement composition as it is apparent there was some pavement widening from the Tampa Avenue intersection (SE quadrant). Also, there is a 575-ft long maintenance resurface patch on the inside (R1) travel lane.



MP 15.506 Eastbound – On the right wheel path area of the outside (R2) travel lane, there is some branch/early stage alligator cracking at this location. Pavement rutting is minor and it is not as severe as seen in westbound (L2) travel lane.



MP 15.750 Eastbound – A view of the trench pavement repair patch for a lateral sanitary sewer repair connection from the main sewer “trunk” line to the clean-out point (just outside of the sidewalk on south side).



MP 15.780 Eastbound – A view of light limerock pumping in the branch/alligator cracks. The crack severity is light and not significantly extensive. This condition is expected to worsen over time.



MP 15.820 Eastbound – A view of severe pavement shoving/slippage in the left wheel path of the inside (R1) travel lane. The last mill/resurface project only milled 1” deep and resurfaced 1” FC-9.5 friction course.



MP 15.880 Eastbound – Another view of pavement shoving/slippage and this is within the area of recently milled/resurfaced work done as a part of the Wawa permit project.



MP 15.902 Eastbound – A general view of the R2 lane in vicinity of recently resurfaced pavement from the Wawa permit project. The new Wawa facility is seen on the upper right corner. The right turn lane is noted to have asphalt base instead of limerock.



MP 15.940 Eastbound – A general view of the R1 lane as approaching the SR 500/US 441 intersection. Extensive oil drips can be seen in the middle of each travel lane and turn lanes. The project is expected to end at the pavement change joint and not include the entire intersection area.



MP 15.932 Westbound – A view of the severe alligator cracks in the right wheel path of the outside (L2) travel lane. Some moderately spalled interconnected cracks creating mini-potholes/voids. The darker pavement surface up ahead is from recent resurfacing work as part of the Wawa permit project – new gas station/store.



MP 15.814 Westbound – A view of minor branch/longitudinal cracks on the inside (L1) travel lane. Based on MPSV data, this roadway is exhibiting a parabolic cross slope typical section.



MP 15.737 Westbound – A view of the sanitary sewer manhole structure in middle of the inside (L1) travel lane. Based on review of the GoPro video of this travel lane, there are eight of these type of manhole structures. Note the circular reflective cracking around the manhole frame/cover. It is very likely that concrete is used in the riser/collar connection. *A note should be added in the plans to alert Contractor to use caution when milling near/around these manhole structures.*



MP 15.722 Westbound – A view of the light to moderate branch cracking on the outside wheel path area of the outside (L2) travel lane. There is some pavement drop-off at the interface with the outside curb & gutter. The drop-off is observed to vary from 0.1 inch to 0.8 inch within the project limits.



MP 15.704 Westbound – A view of the severe alligator cracks occurring in right wheel path of the outside (L2) travel lane. According to the MPSV data, pavement rutting is prevalent on this lane more so than in any other travel lanes. Note the numerous pop-outs of asphalt material in the wheel path areas.



MP 15.670 Westbound – A view of 1,530-ft long maintenance resurface patch in both (L1/L2) travel lanes. This repair work was done in 2013 to address the severe rutting that was occurring in the travel lanes at the time. It was milled 1.5” deep and resurfaced with 1.5” of FC-12.5 friction course.



MP 15.475 Westbound – Another view of the maintenance resurface patch on westbound travel lanes as done under maintenance contract #E5Q88. The traffic count loops are embedded in the pavement surface and it is for Count Station #5180.



MP 15.398 Westbound – A view of the maintenance patch ending just before Tampa Ave./Country Lane intersection. The center left turn lane with a concrete traffic separator is for SR 50 westbound traffic heading south on Tampa Avenue.