



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

DESIGN DIVISION

SUITE 1300, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-2221

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

March 29, 2016

Frederick Miller
Civil Engineering Manager 2
Suite 1200, James K. Polk Bldg.
Nashville, TN 37243

SUBJECT: Revised Preliminary Pavement Design
Project No. 78008-1244-14
Fed. No. STP/HPP-71(16)
Pin No. 104959.01
SR-71 (US-441)
From US-411 (SR-338/SR-35)
To Macon Lane
Sevier County

Dear Mr. Miller;

The following are the recommended preliminary pavement designs for the subject project.

1. Full depth design for SR-71
2. Full depth for SR-338/SR-35
3. Design for all other intersection roads

See the attached pavement design sheets for details. The updated traffic data did not make any difference to the previous design issued. Please direct any question you might have concerning this design me at 615-741-4894.

Sincerely,

A handwritten signature in black ink, appearing to read "Sampson Udeh", is written over a horizontal line.

Sampson Udeh
Senior Transportation Project Specialist

SUU:suu

cc: Scheduling Office
File copy

DATE: 03/29/16

FULL DEPTH DESIGN FOR SR-71

ROUTE SR-71

COUNTY: SEVIER

PROJ NO: 78008-1244-14

FED PROJ STP/HPP-71(16)

DESCRIPTION: FROM US-411 (SR-35/SR-338) TO MACON LANE

ROADWAY DESIGN

REGION: I

	DESCRIPTION	THICKNESS
411-02.10	ACS (PG70-22) GR "D"	1.25
307-02.08	AC MIX (PG70-22) GR "B-M2"	2.00
307-02.01	AC MIX (PG70-22) GR "A"	3.00
307-02.02 (**)	PREF AC (PG70-22) GR "A-S"	3.00
303-01	MINERAL AGG BASE GRADING "D"	10.00
	TOTALS	19.25

(**) REQUIRES USE OF ITEM 307-02.03

REMARKS: 1) SUBSURFACE DRAINAGE: AGGREGATE UNDERDRAIN W/PIPE
2) MILL 1.25" FROM THE EXISTING PAVEMENT AND OVERLAY USING
1.25" OF "D" MIX WHERE NEEDED

DATE: 03/29/16 FULL DEPTH DESIGN FOR SR-338/SR-35 ROUTE SR-71

COUNTY: SEVIER PROJ NO: 78008-1244-14 FED PROJ STP/HPP-71 (16)

DESCRIPTION: FROM US-411 (SR-35/SR-338) TO MACON LANE

ROADWAY DESIGN

REGION: I

	DESCRIPTION	THICKNESS
411-02.10	ACS (PG70-22) GR "D"	1.25
307-02.08	AC MIX (PG70-22) GR "B-M2"	2.00
307-02.01	AC MIX (PG70-22) GR "A"	3.00
303-01	MINERAL AGG BASE GRADING "D"	10.00
	TOTALS	16.25

OUTSIDE SHOULDER DESIGN

	DESCRIPTION	THICKNESS
411-01.07	ACS (PG64-22) GR "E"	1.50
303-01	MINERAL AGG BASE GRADING "D"	14.75
	TOTALS	16.25

REMARKS: 1) MILL 1.25" FROM THE EXISTING PAVEMENT AND OVERLAY USING
1.25" OF "D" MIX WHERE NEEDED
2) ELIMINATE SHOULDER DESIGN FOR CURB AND GUTTER SECTION

DATE: 03/29/16

ALL OTHER INTERSECTION ROADS

ROUTE: SR-71

COUNTY: SEVIER

PROJ NO: 78008-1244-14

FED PROJ STP/HPP-71(16)

DESCRIPTION: FROM US-411 (SR-35/SR-338) TO MACON LANE

ROADWAY DESIGN

REGION I

	DESCRIPTION	THICKNESS
411-01.01 (*)	ACS (PG64-22) GR "D"	1.25
307-01.08	AC MIX (PG64-22) GR "B-M2"	2.00
303-01	MINERAL AGG BASE GRADING "D"	10.00
	TOTALS	13.25

SHOULDER DESIGN

	DESCRIPTION	THICKNESS
411-01.07	ACS (PG64-22) GR "E"	1.50
303-01	MINERAL AGG BASE GRADING "D"	11.75
	TOTALS	13.25

REMARKS: 1) MILL 1.25" FROM THE EXISTING PAVEMENT AND OVERLAY USING
1.25" OF "D" MIX WHERE NEEDED
2) ELIMINATE SHOULDER DESIGN FOR CURB AND GUTTER SECTION