



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

DESIGN DIVISION
SUITE 1200, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-0835

CLAY BRIGHT
COMMISSIONER

BILL LEE
GOVERNOR

March 5, 2019

Robert Rodgers
C.E. Manager 2
7512 Volkswagen Drive
Chattanooga, TN 37416

SUBJECT: Final Pavement Design
Project No.: 70068-3211-94
PIN: 124102.00
SR-40
SR-40 (US-64 / US-74), Bridge over Ocoee River, LM 3.12 (Design Build) (IA)
Polk County

Dear Mr. Rodgers,

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

1. Full depth pavement design for SR-40.
2. Full depth pavement design for all other intersecting roads.

See the attached pavement design sheets for details. **The pavement designs are valid until 11-15-2021. Proceeding this date an updated traffic data should be requested and a revised pavement design issued.** Please direct any questions you might have concerning this design to the pavement design office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kevin Counts".

Kevin Counts, P.E.
Transportation Project Specialist

A handwritten signature in blue ink, appearing to read "Sampson Udeh".

Sampson Udeh
Pavement Design Coordinator

SUU:db
File copy

DATE: 03/04/19

FULL DEPTH DESIGN FOR SR-40

ROUTE: SR-40

COUNTY: POLK

PROJ NO: 70068-3211-94

FED PROJ NO: BR-NH/APD-40(37)

DESCRIPTION: SR-40 (US-64) BRIDGE OVER OCOEE RIVER, LM 3.12 (DESIGN BUILD) (IA)

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"	2.25
307-02.01	AC MIX(PG70-22)GR "A"	3.00
303-01	MINERAL AGG BASE GRADING "D"	10.00
	TOTALS	16.50

SHOULDER DESIGN

	DESCRIPTION	THICKNESS
411-01.07	ACS (PG64-22) GR "E"	1.50
303-01	MINERAL AGG BASE GRADING "D"	15.00
	TOTALS	16.50

REMARKS: 1) COLD PLANE 1.25" FROM EXISTING PAVEMENT AND OVERLAY USING 1.25" OF "D" MIX, WHERE NEEDED

DATE: 03/04/19

FULL DEPTH DESIGN FOR INTERSECTING ROADS

ROUTE: SR-40

COUNTY: POLK

PROJ NO: 70068-3211-94

FED PROJ NO: BR-NH/APD-40(37)

DESCRIPTION: SR-40 (US-64) BRIDGE OVER OCOEE RIVER, LM 3.12 (DESIGN BUILD) (IA)

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ROADWAY DESIGN

REGION I

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DESCRIPTION

THICKNESS

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411-02.10 ACS (PG70-22) GR "D" 1.25

307-02.08 AC MIX(PG70-22)GR "B-M2" 2.00

303-01 MINERAL AGG BASE GRADING "D" 10.00

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TOTALS

13.25

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REMARKS: 1) IF SHOULDER WIDTH IS 4 FT OR LESS, REFER TO ROADWAY DESIGN GUIDELINES, SECTION 3-125.05

2) COLD PLANE 1.25" FROM EXISTING PAVEMENT AND OVERLAY USING 1.25" OF "D" MIX, WHERE NEEDED