

09/28/2019

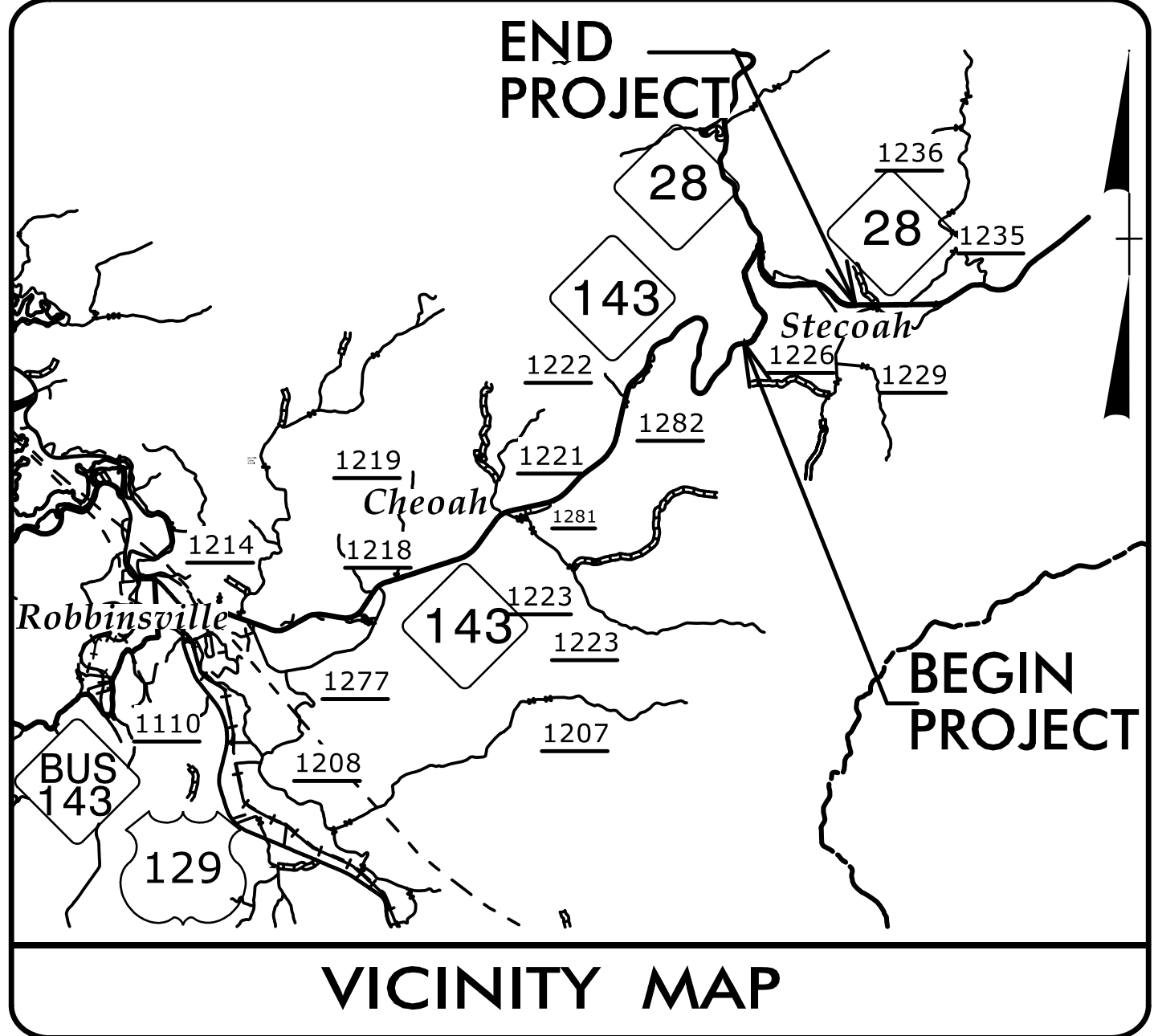
See Sheet 1A For Index of Sheets

TIP PROJECT: A-0009CC

CONTRACT: C204812

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS GRAHAM COUNTY

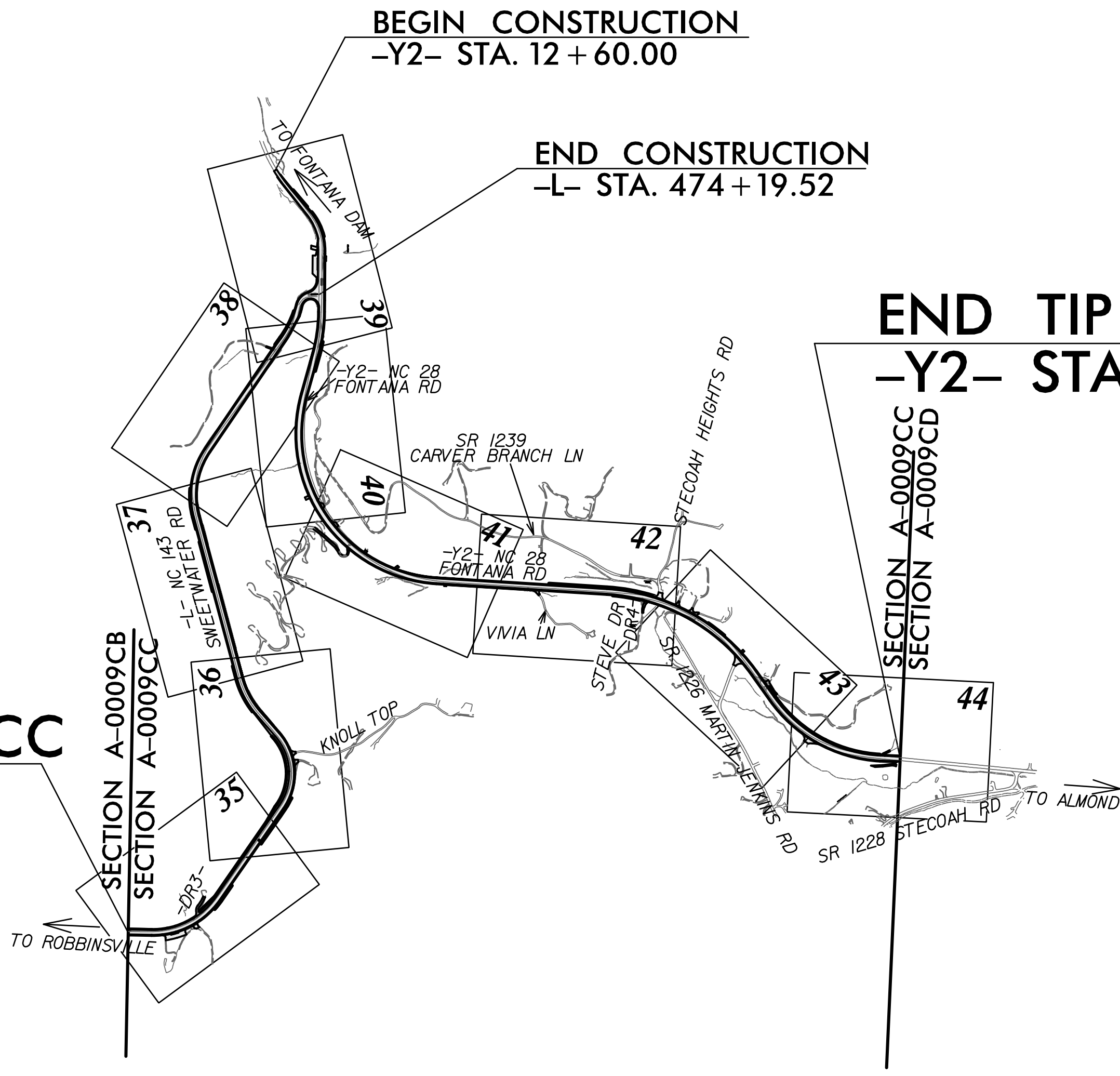
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	A-0009CC	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
32572.1.FS10	APD-0074(178)	PE	
32572.2.15	0143011	ROW	
32572.2.17	0143011	UTIL.	
32572.3.15	0143011	CONST.	



3R GUIDELINES WERE USED FROM
 -L- 414+50 TO -L- STA 474+20
 AND FROM -Y2- 12+60± TO 23+00±
 TO MINIMIZE IMPACTS TO USFS PROPERTY
 AND NATURAL RESOURCES.

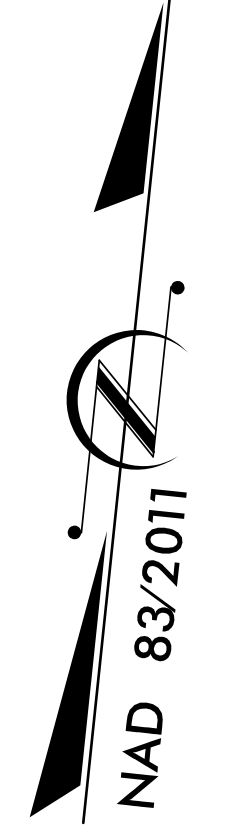
LOCATION:
 UPGRADE NC 143 FROM 0.5 MILES NORTH OF APPALACHIAN TRAIL TO NC 28
 UPGRADE NC 28 FROM 0.2 MILES WEST OF NC 143 TO 0.2 MILES WEST OF SR 1228 (STECOAH RD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, CULVERTS, & RETAINING WALLS

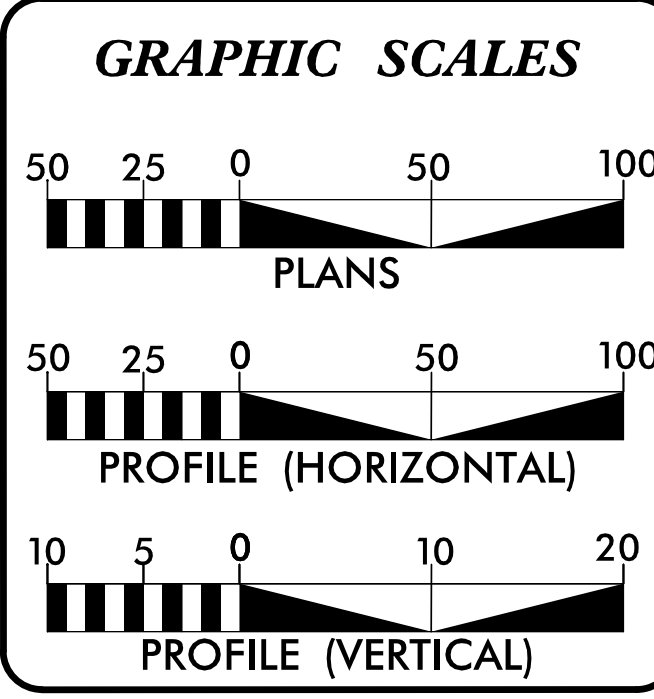


BEGIN TIP PROJECT A-0009CC
 -L- STA. 414 + 50.00

END TIP PROJECT A-0009CC
 -Y2- STA. 89 + 80.00



DESIGN EXCEPTION REQUIRED FOR HORIZONTAL CURVATURE AND HORIZONTAL SSD.



-L- DESIGN DATA

ADT 2022 = 6590
ADT 2045 = 8800
K = 11 %
D = 57.5 %
T = 7 % *
V = 60 MPH
* TTST = 2% DUAL = 5%
FUNC CLASS = RURAL ARTERIAL REGIONAL TIER

-Y2- DESIGN DATA

ADT 2022 = 3800
ADT 2045 = 5200
K = 11 %
D = 67.5 %
T = 7 % *
V = 50 MPH
* TTST = 2% DUAL = 5%
FUNC CLASS = RURAL ARTERIAL REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT A-0009CC	
-L-	= 1.131 MILES
-Y2-	= 1.462 MILES
TOTAL LENGTH TIP PROJECT A-0009CC	= 2.593 MILES

NCDOT CONTACT: WANDA H. AUSTIN, PE

PLANS PREPARED BY: TGS ENGINEERS 201 W. MARION ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	PLANS PREPARED FOR: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 14 252 Webster Rd Sylva, NC 28779
RIGHT OF WAY DATE: AUGUST 12, 2021	JIMMY L. TERRY, PE PROJECT ENGINEER
LETTING DATE: DECEMBER 20, 2022	AUSTIN TURNER, PE PROJECT DESIGN ENGINEER

2018 STANDARD SPECIFICATIONS

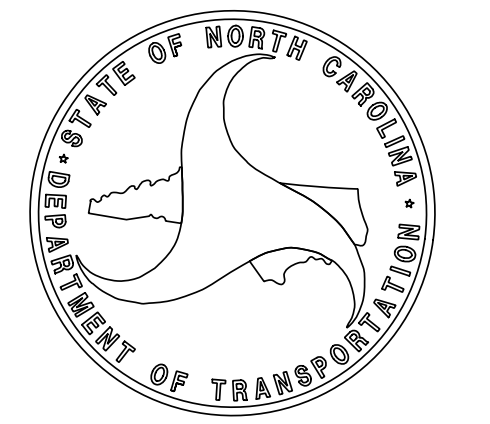
HYDRAULICS ENGINEER
10/26/2022

DocuSigned by:
David B. Petty
SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER
10/25/2022

DocuSigned by:
Jimmy Terry
SIGNATURE: P.E.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



10/25/2022
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 User:tsmelvin