

**This electronic collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document –**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**

13-FEB-2024 10:14  
 S:\C:\p\wg\wg\DL00331\_SinusoidalRumbleStrips\Proj\HS-2012H\_Lndy\_2.sh\_2.dgn  
 jscarpenter

**CONTRACT: DL00331**      **TIP PROJECT: HS-2012H**

See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  


---

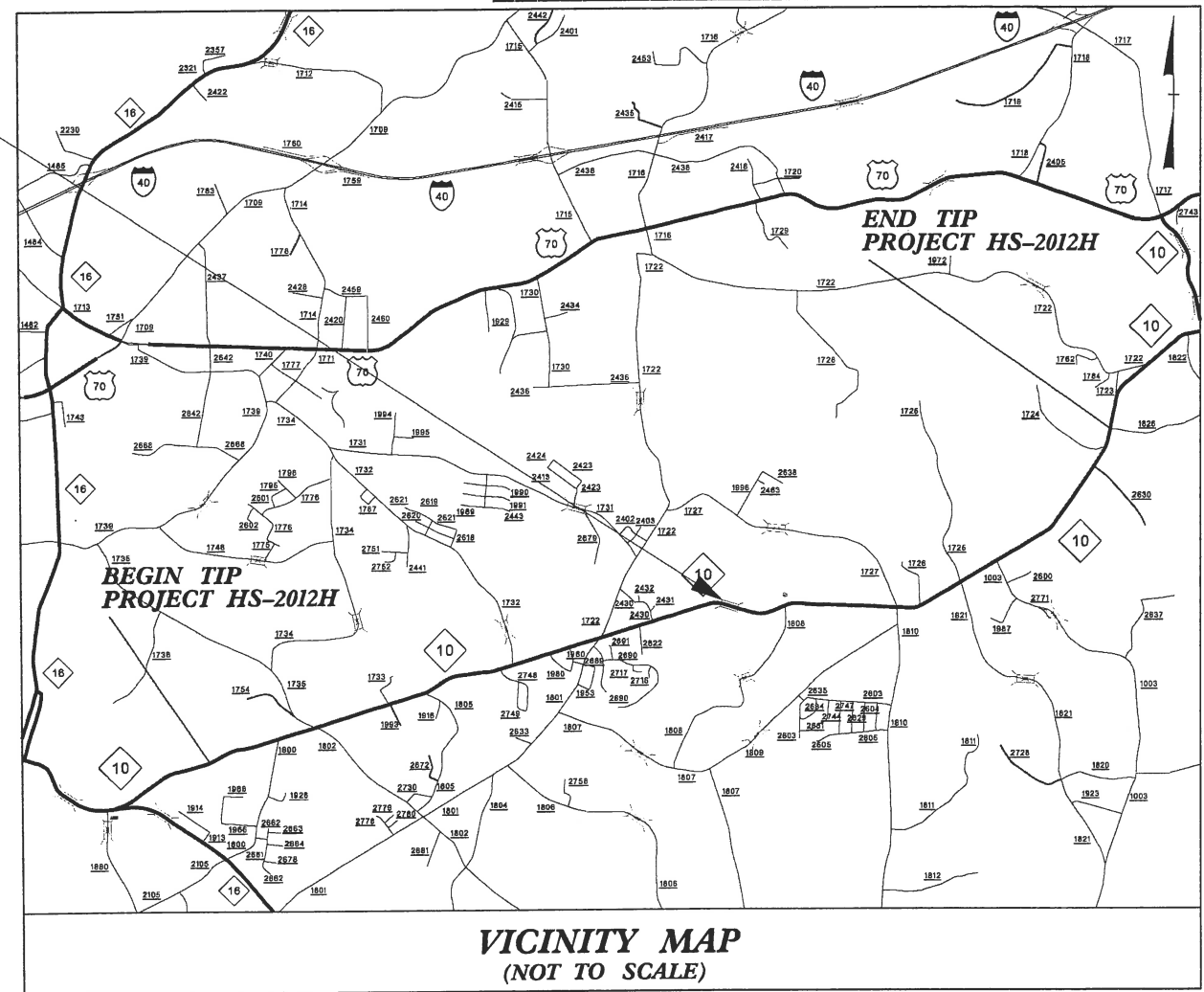
**CATAWBA COUNTY**

**LOCATION: NC 10 AT MP. 19.812 TO MP. 27.060.**

**TYPE OF WORK: INSTALLATION OF CENTERLINE AND EDGELINE MILLED  
 SINUSOIDAL RUMBLE STRIPS AND PAVEMENT MARKINGS.**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2012H	2	5
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49331.1.9	4933109	PE	
49331.3.9	4933109	CONST	

MAP 1



**VICINITY MAP**  
 (NOT TO SCALE)

**PROJECT LENGTH**

LENGTH OF ROADWAY TIP PROJECT HS-2012H = 7.248 MILES  
 TOTAL LENGTH OF TIP PROJECT HS-2012H = 7.248 MILES

Prepared In the Office of:  
**DIVISION TWELVE DDC**  
 1710 E. Marion Street, Shelby NC, 28150

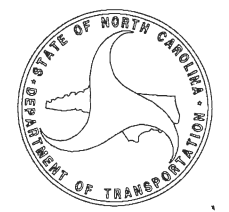
2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
 NA

LETTING DATE:  
 APRIL 9, 2024

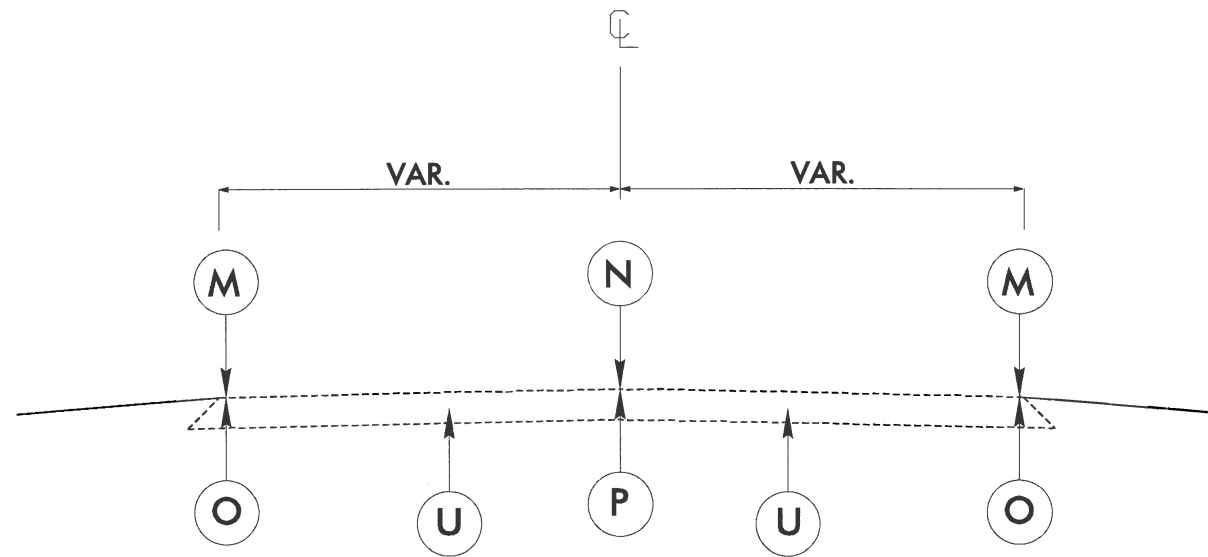
**BRYAN K.D. SOWELL, PE**  
 PROJECT ENGINEER

**JOSHUA S. CARPENTER**  
 PROJECT DESIGN ENGINEER





# TYPICAL SECTIONS



**TYPICAL SECTION NO. 1**  
USE WITH ENTIRE MAP 1

PAVEMENT SCHEDULE	
M	EDGE LINE MILLED SINUSOIDAL RUMBLE STRIPS.
N	CENTERLINE MILLED SINUSOIDAL RUMBLE STRIPS.
O	6" WHITE THEROPLASTIC EDGE LINE.
P	4" THEROPLASTIC DOUBLE YELLOW CENTERLINE.
U	EXISTING PAVEMENT.

R11739

I:\Projects\2012\HS-2012H\04322-Sinusoidal Rumble Strips\proj\04322\rd14\_typ-110.dgn  
12/11/12 10:54 AM  
12/11/12 10:54 AM  
12/11/12 10:54 AM

PROJECT REFERENCE #	SHEET NO.
49331.3.9	5

**MILLED SINUSOIDAL RUMBLE STRIP, THERMOPLASTIC MARKING AND MARKER QUANTITIES**

WBS#	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4400000000-E	4457000000-N	1881000000-E	1881000000-E	4685000000-E	4695000000-E	4850000000-E
							WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	SINUSOIDAL MILLED RUMBLE STRIP 8"	SINUSOIDAL MILLED RUMBLE STRIP 14"	THERMO PAVEMENT MARKING LINES YELLOW (4", 90 MILS)	THERMO PAVEMENT MARKING LINES WHITE (6", 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES, 4"
					MI	FT	SF	LS	LF	LF	LF	LF	LF
49331.3.9	Catawba	1	NC 10	MP. 19.812 to MP. 27.060	7.250		144	*	77,000.00	38,500.00	77,000.00	77,000.00	1,500
<b>WBS# 49331.3.9 TOTAL</b>							<b>144</b>	<b>1</b>	<b>77,000.00</b>	<b>38,500.00</b>	<b>77,000.00</b>	<b>77,000.00</b>	<b>1,500</b>