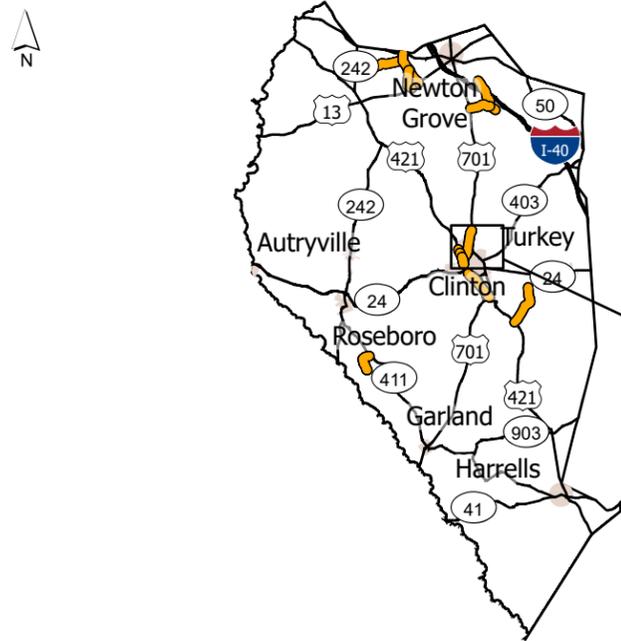


WBS NO: 2026CPT.03.12.10821, ETC.

CONTRACT: C205192



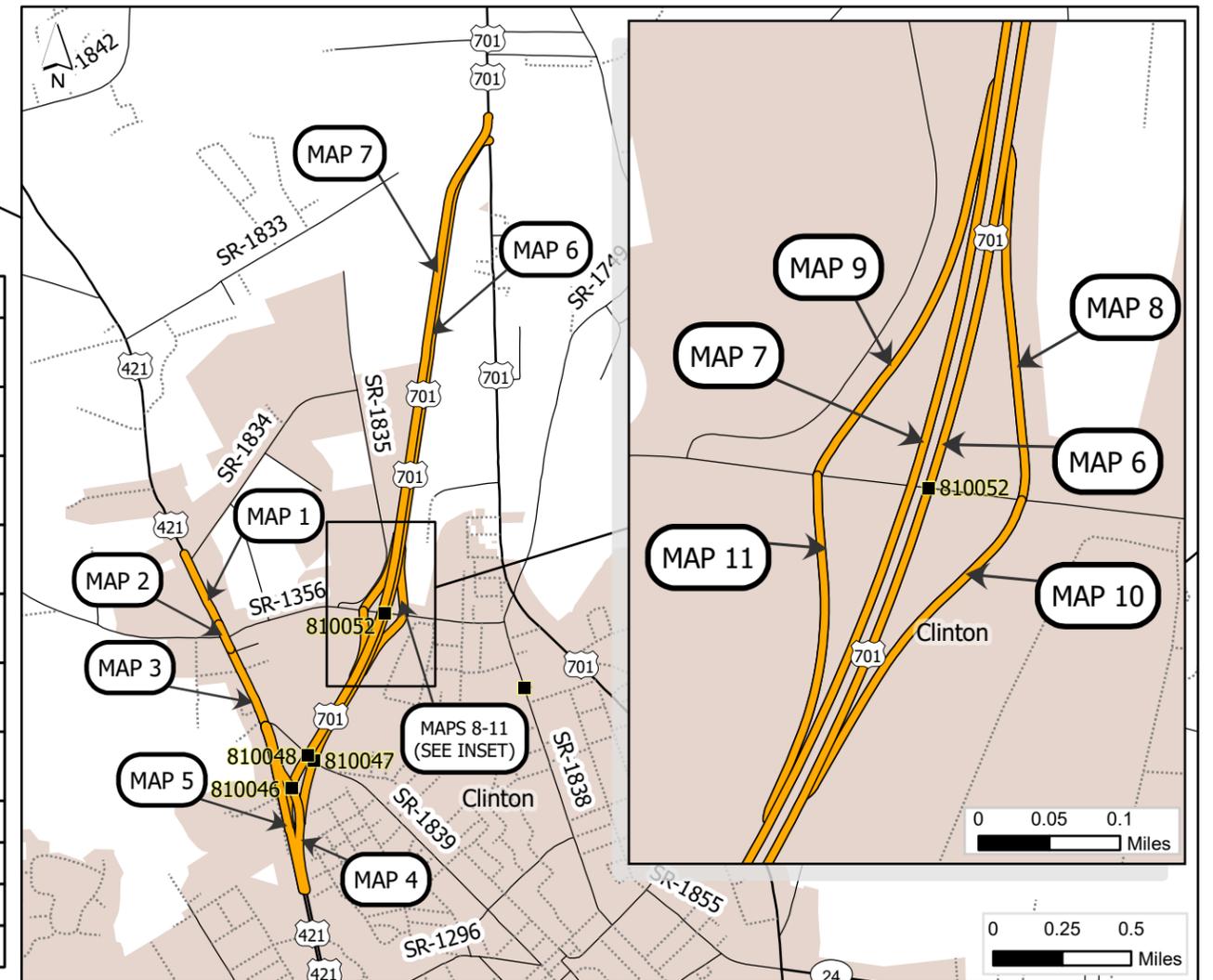
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS SAMPSON COUNTY

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.12.10821, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
1	US-421 NORTHWEST BLVD	FROM 0.05 MI N OF SR 1356 (NORTH BLVD) TO 0.04 MI N OF SR 1834 (INDUSTRIAL DR) [MP 27.37 - MP 27.65]	Resurfacing
2	US-421 NORTHWEST BLVD	FROM 0.05 MI S OF SR1356 (NORTH BLVD) TO 0.05 MI N OF SR 1356 (NORTH BLVD) [MP 27.27 - MP 27.37]	Resurfacing
3	US-421 NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.05 MI S OF SR 1356 (NORTH BLVD) [MP 26.97 - MP 27.27]	Resurfacing
4	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.63 MILES SOUTH ON US-421 N (NORTHWEST BLVD) [MP 26.97 - 26.34]	Resurfacing
5	US-421 S NORTHWEST BLVD	FROM 0.01 MI S OF SR 1839 (MCCOY ST) TO 0.61 MILES SOUTH ON US-421 S (NORTHWEST BLVD) [MP 23.81 - MP 24.42]	Resurfacing
6	US-701 HWY N (BYPASS)	FROM DIVIDED SECTION TO US HWY 701 [MP 19.28 - MP 21.88]	Resurfacing
7	US-701 HWY S (BYPASS)	FROM US HWY 701 TO DIVIDED SECTION [MP 16.37 - MP 19.10]	Resurfacing
8	US-701 N RAMP 491	FROM SR 1356 (NORTH BLVD) TO US HWY 701 N [MP 0.00 - MP 0.25]	Resurfacing
9	US-701 S RAMP 492	FROM US HWY 701 S TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.29]	Resurfacing
10	US-701 N RAMP 490	FROM US HWY 701 N TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.25]	Resurfacing
11	US-701 S RAMP 493	FROM SR 1356 (NORTH BLVD) TO US HWY 701 S [MP 0.00 - MP 0.25]	Resurfacing



### PROJECT LENGTH

MAP	MILES	MAP	MILES	MAP	MILES
1	0.28	5	0.61	9	0.29
2	0.10	6	2.60	10	0.25
3	0.30	7	2.73	11	0.25
4	0.63	8	0.25		

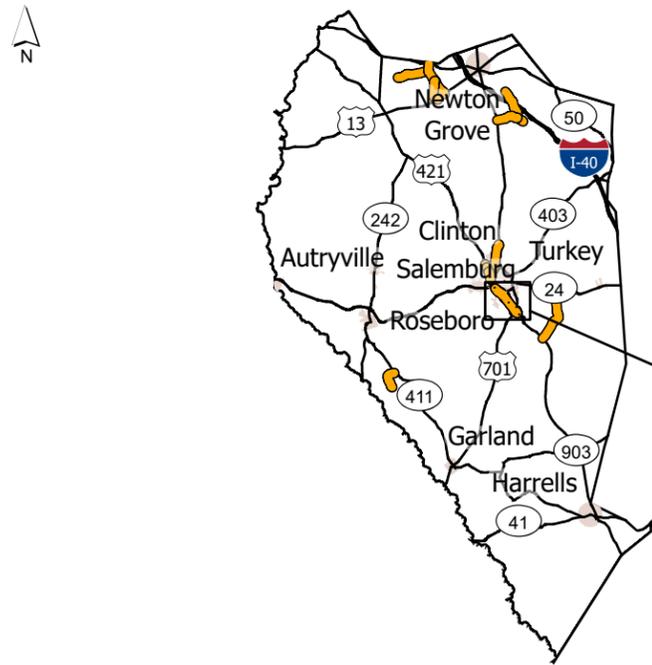
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

This exhibit does not meet NC 47-30 requirements and therefore is not intended for design, construction, or recording or transfer of title.



WBS NO: 2026CPT.03.12.10821, ETC.

CONTRACT: C205192



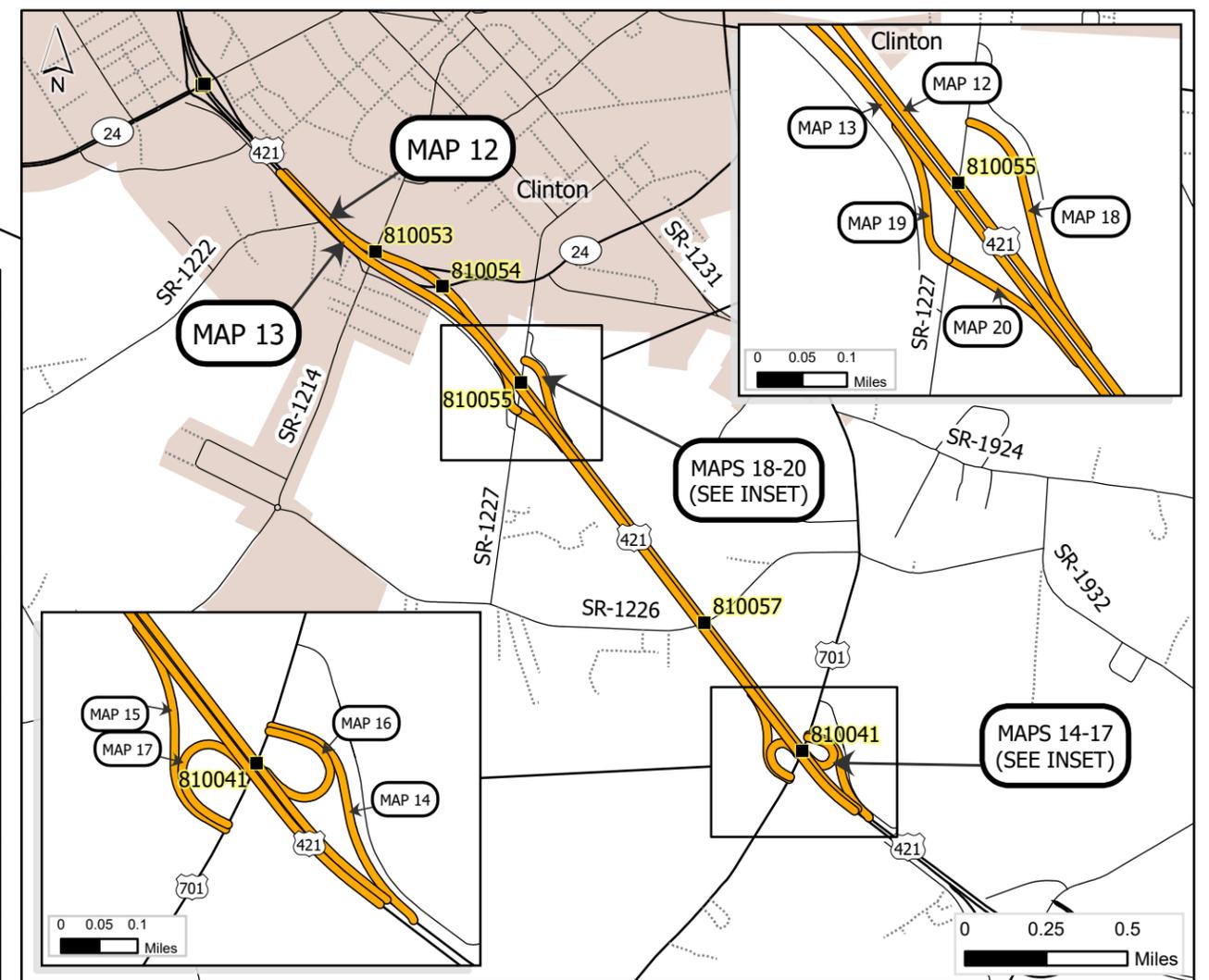
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS SAMPSON COUNTY

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.12.10821, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
12	US-421 N FAIRCLOTH FWY	FROM 0.25 MI SE OF US HWY 701 BUS (SOUTHEAST BLVD) TO 0.37 MI NW OF SR 1214 (ELIZABETH ST) [MP 22.83 - MP 25.49]	Resurfacing
13	US-421 S FAIRCLOTH FWY	FROM 0.37 MI SE OF SR 1296 (SUNSET AVE) TO 0.24 MI SE OF US HWY 701 (GARLAND HWY) [MP 25.27 - MP 27.93]	Resurfacing
14	US-421 N FAIRCLOTH FWY RAMP 500	FROM US HWY 421 N (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.32]	Resurfacing
15	US-421 S FAIRCLOTH FWY RAMP 502	FROM US HWY 421 S (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.30]	Resurfacing
16	US-421 N FAIRCLOTH FWY RAMP 501	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 N (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	Resurfacing
17	US-421 S FAIRCLOTH FWY RAMP 503	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	Resurfacing
18	US-421 N FAIRCLOTH FWY RAMP 498	FROM US HWY 421 N (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.30]	Resurfacing
19	US-421 S FAIRCLOTH FWY RAMP 6130	FROM US HWY 421 S (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.16]	Resurfacing
20	US-421 S FAIRCLOTH FWY RAMP 499	FROM SR 1227 (TRAM RD) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.19]	Resurfacing



### PROJECT LENGTH

MAP	MILES	MAP	MILES	MAP	MILES
12	2.66	15	0.30	18	0.30
13	2.66	16	0.22	19	0.16
14	0.32	17	0.22	20	0.19

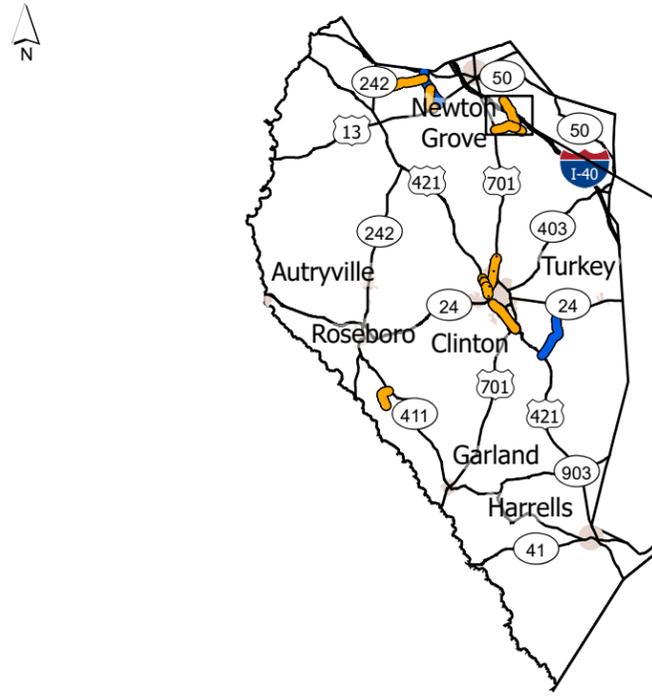
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

This exhibit does not meet NC 47-30 requirements and therefore is not intended for design, construction, or recording or transfer of title.



WBS NO: 2026CPT.03.12.10821, ETC.

CONTRACT: C205192



**STATE OF NORTH CAROLINA**  
**DIVISION OF HIGHWAYS**  


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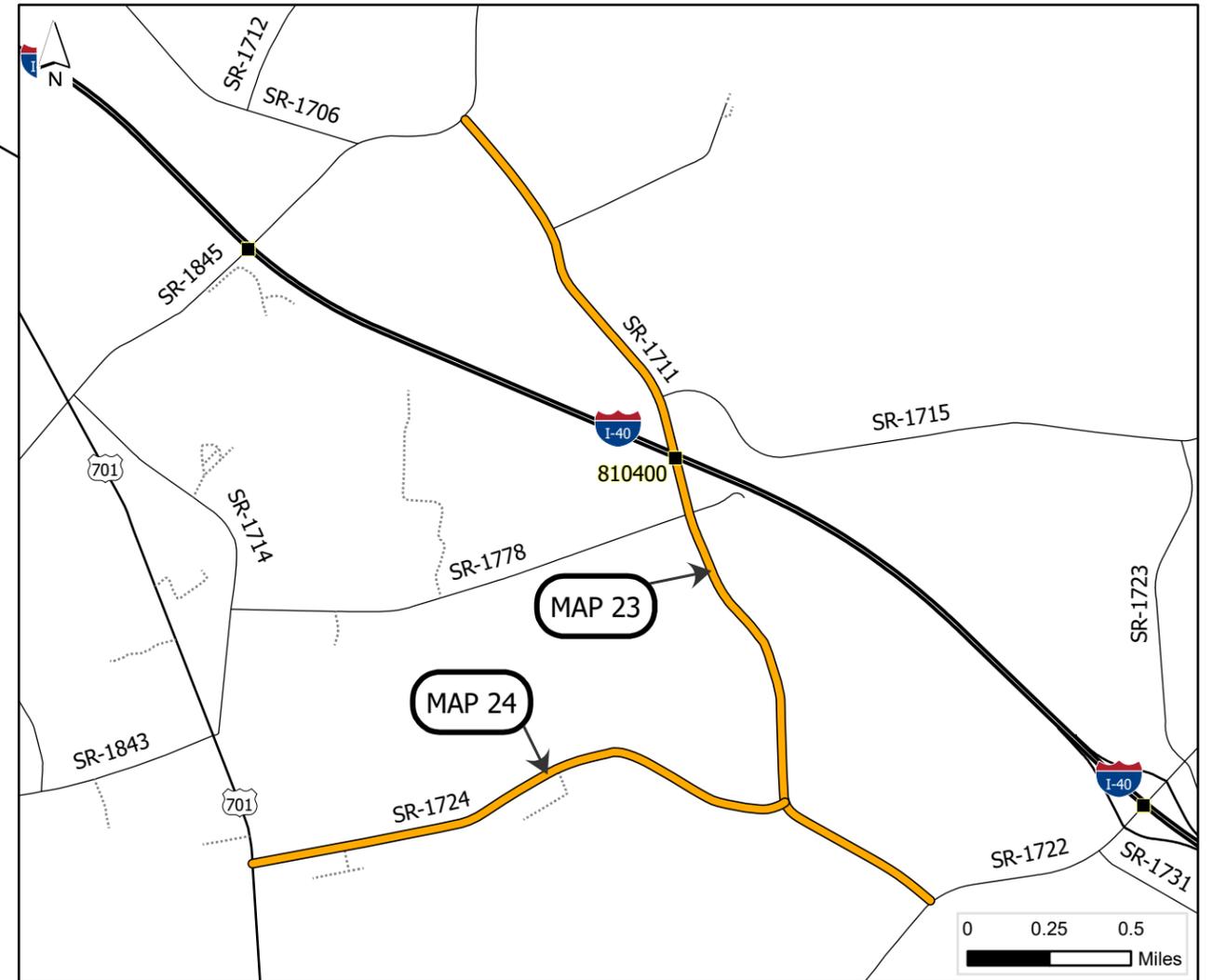
**SAMPSON COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.12.10821, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
23	SR-1711 / WILLIAM R KING RD	FROM SR 1845 (CEDAR POINT RD) TO SR 1722 (SUTTONTOWN RD) [MP 4.00 - MP 6.92]	Resurfacing
24	SR-1724 / KENAN WEEKS RD	FROM US HWY 701 TO SR 1711 (WILLIAM R KING RD) [MP 0.00 - MP 1.74]	Resurfacing



**PROJECT LENGTH**

MAP	MILES
23	2.92
24	1.74

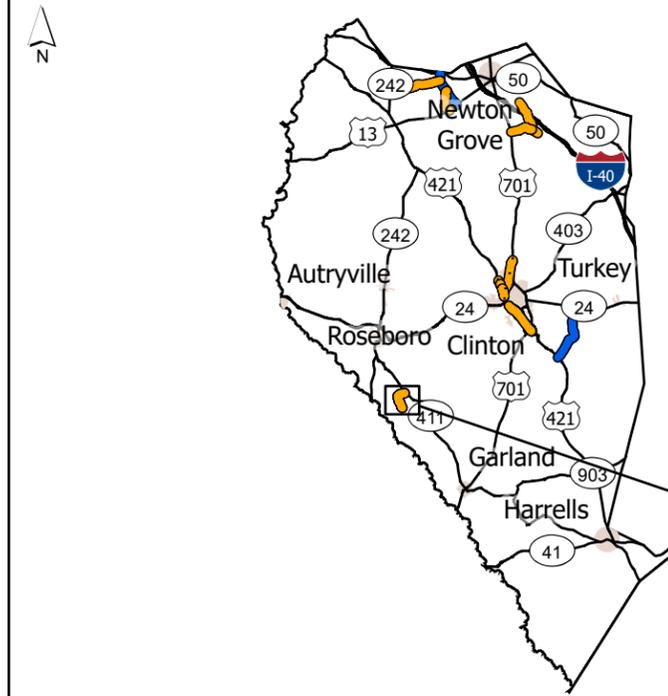
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
 5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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WBS NO: 2026CPT.03.12.10821, ETC.

CONTRACT: C205192



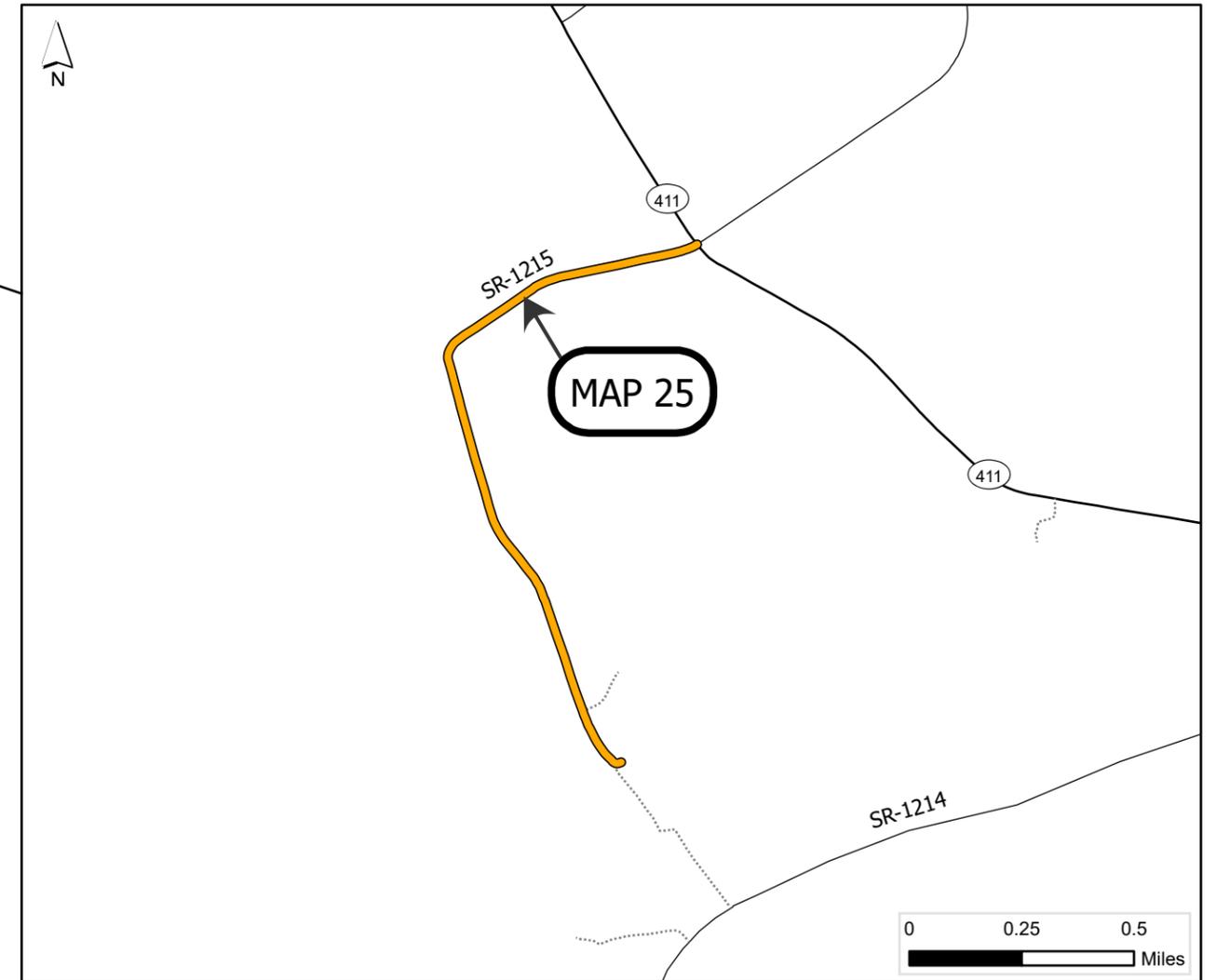
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**SAMPSON COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.12.10821, ETC.	4
STATE PROJECT NUMBER		DESCRIPTION

Resurfacing

MAP	ROUTE	DESCRIPTION	TYPE
25	SR-1215 / MINTZ RD	FROM END OF MAINTENANCE TO NC HWY 411 (OLD MINTZ HIGHWAY) [MP 0.00 - MP 1.63]	Resurfacing



**PROJECT LENGTH**

MAP	MILES
25	1.63

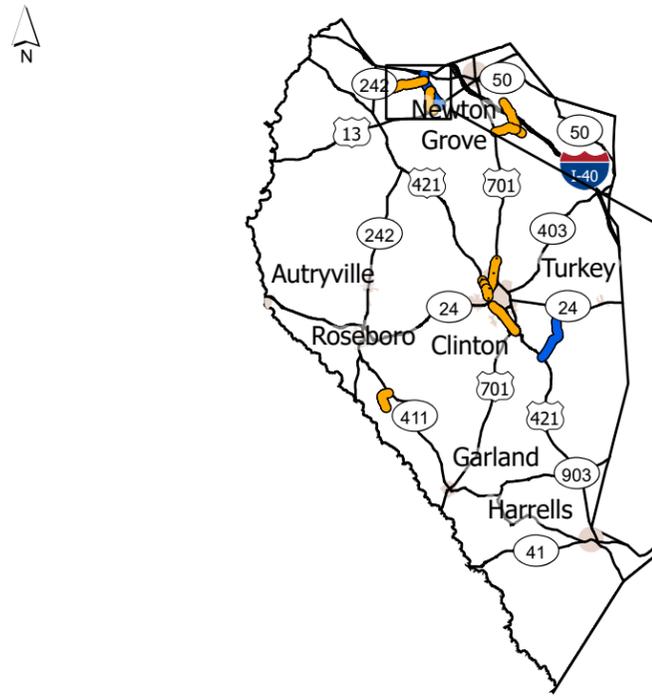
Prepared in the Office of:  
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WBS NO: 2026CPT.03.12.10821, ETC.

CONTRACT: C205192



**STATE OF NORTH CAROLINA**  
**DIVISION OF HIGHWAYS**  


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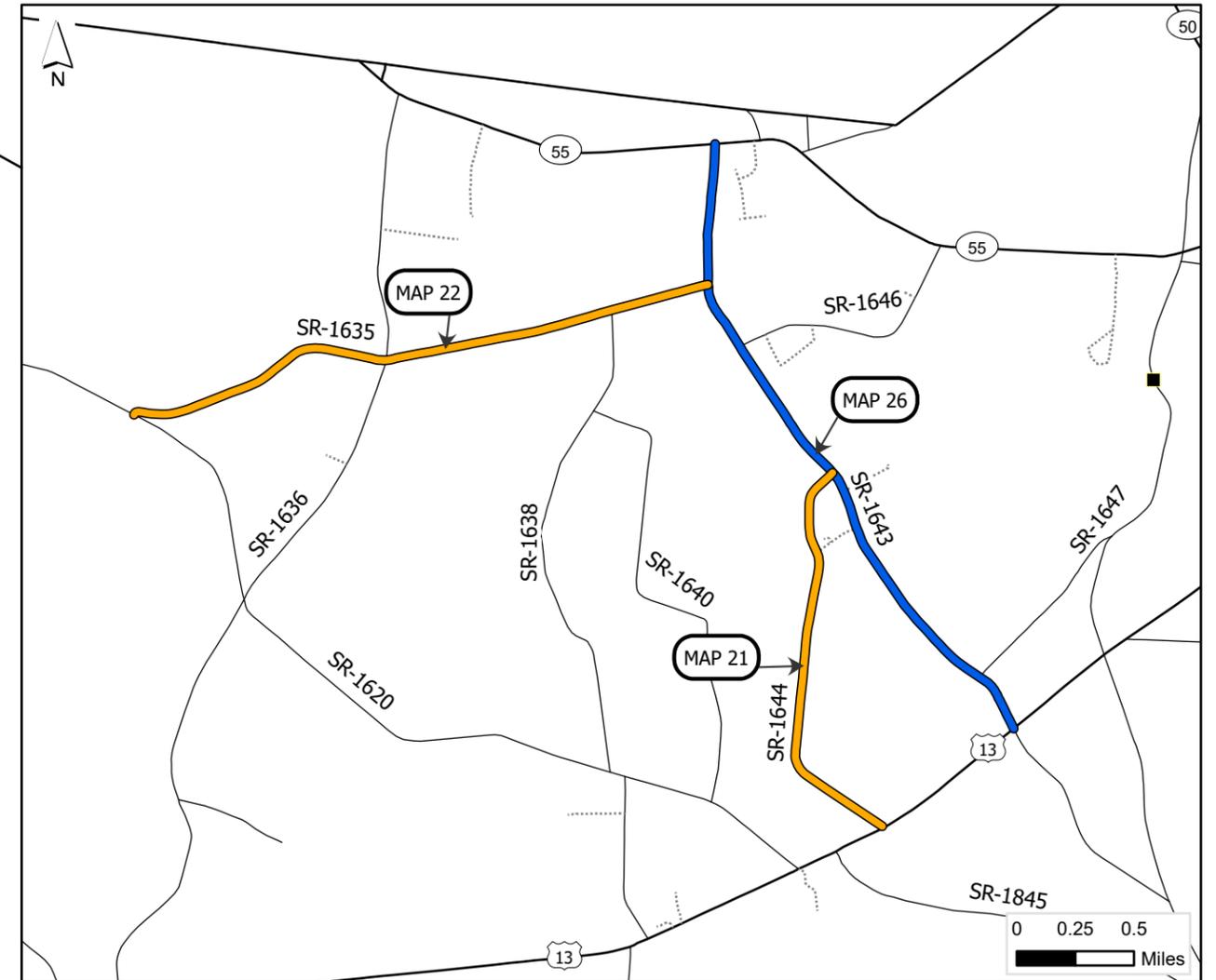
**SAMPSON COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.12.10821, ETC.	5
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
21	SR-1644 / S ELDRIDGE RD	FROM SR 1643 (OAK GROVE CHURCH RD) TO US HWY 13 [MP 0.00 - MP 1.75]	Resurfacing
22	SR-1635 / MAPLE GROVE CHURCH RD	FROM SR 1620 (TIMOTHY RD) TO SR 1643 (OAK GROVE CHURCH RD) [MP 0.00 - MP 2.57]	Resurfacing
26	SR-1643 / OAK GROVE CHURCH RD	FROM NC HWY 55 TO US HWY 13 [MP 0.00 - MP 2.93]	Preservation



**PROJECT LENGTH**

MAP	MILES
21	1.75
22	2.57
26	2.93

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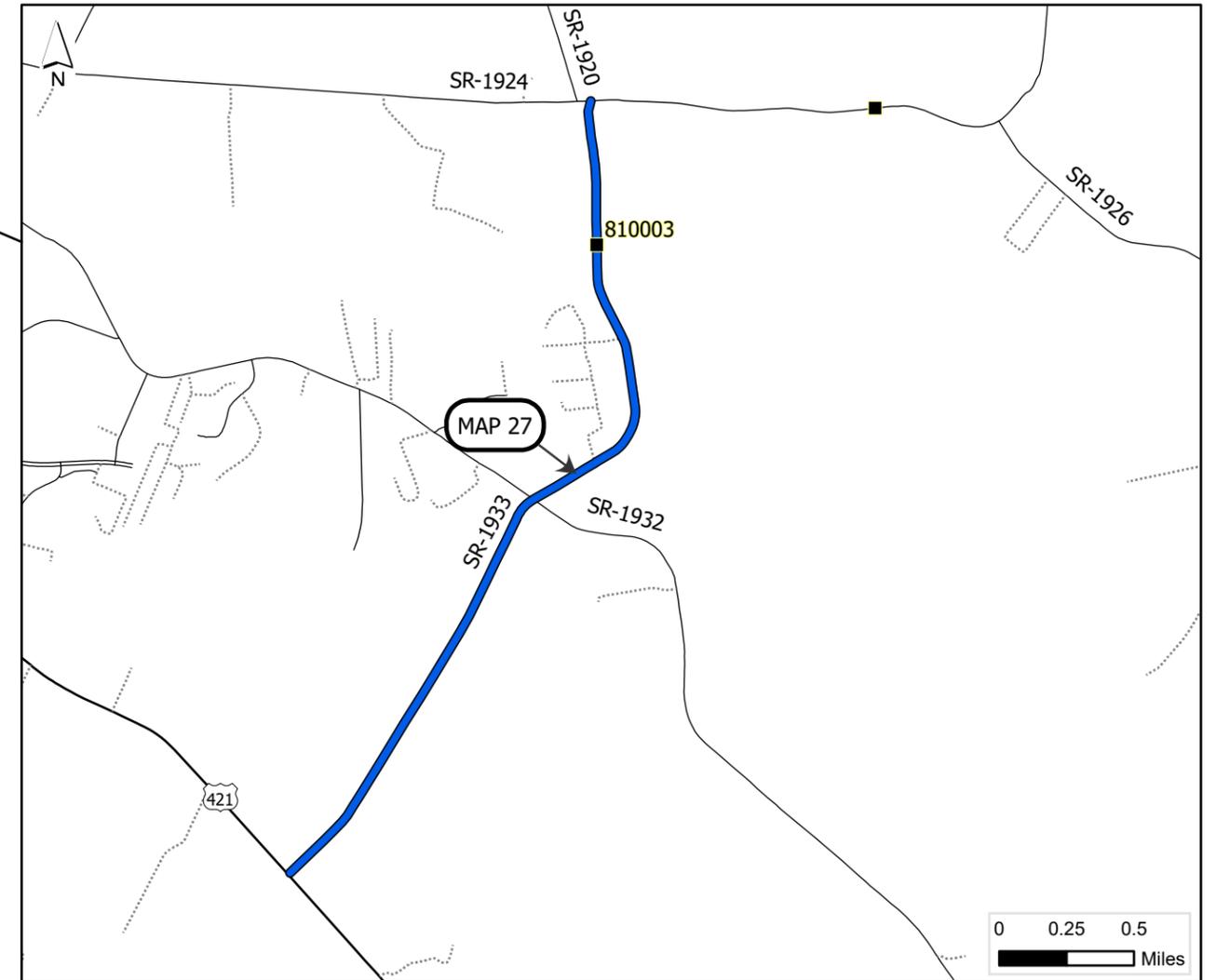
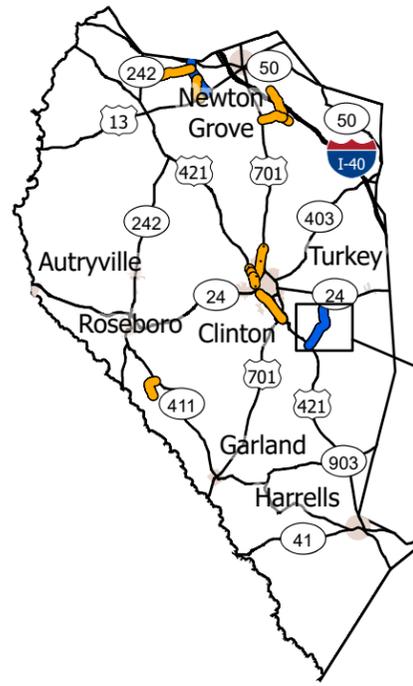
CONTRACT: C205192

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**SAMPSON COUNTY**

*TYPE OF WORK: RESURFACING*

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2026CPT.03.12.10821, ETC.	6
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Division 3 Bridges



MAP	ROUTE	DESCRIPTION	TYPE
27	SR-1933 / BEAMAN WOODS RD	FROM US HWY 421 TO SR 1924 (ROWAN RD) [MP 0.00 - MP 3.36]	Preservation

**PROJECT LENGTH**

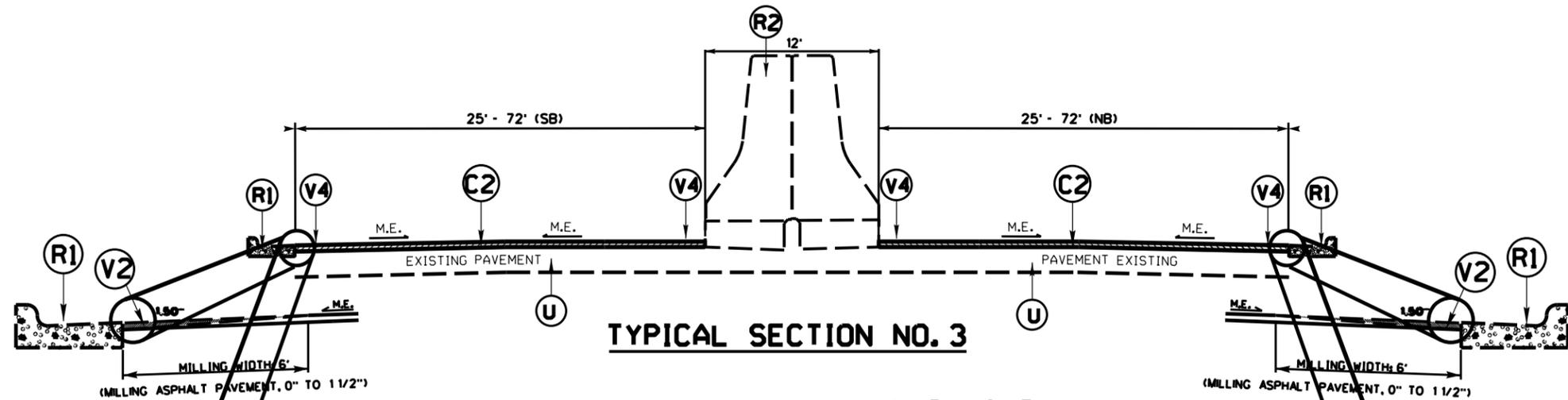
MAP	MILES
27	3.36

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**DIVISION OF HIGHWAYS**  
 5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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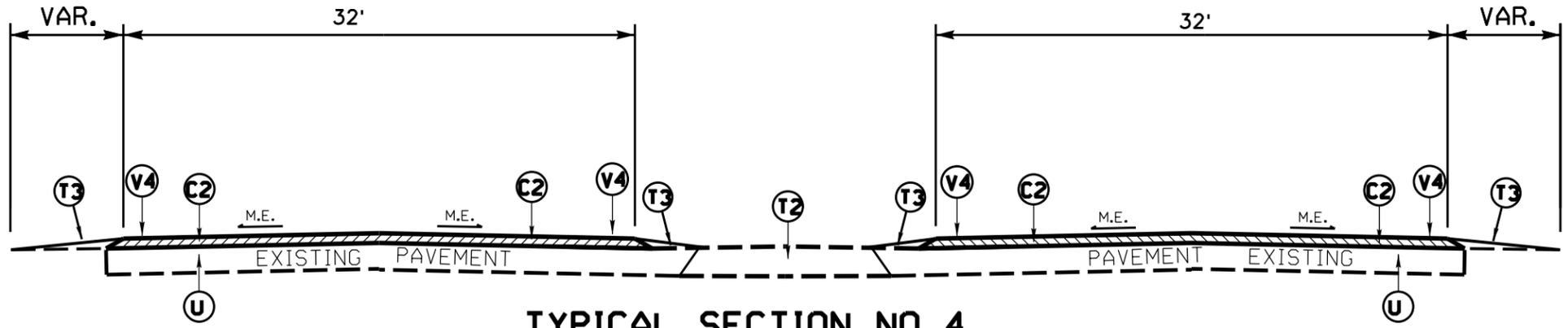




**TYPICAL SECTION NO. 3**

MAP NO. 4  
US 421 N (NORTHWEST BLVD)  
 (R1) (R1) MP 26.97 - MP 26.80  
 (R1) (R1) MP 26.80 - MP 26.70  
 (T1) (T1) MP 26.70 - MP 26.34  
 (V3) MAP NO. 4  
FRIS MILL 1 1/2"  
MP 26.42 - MP 26.34

MAP NO. 5  
US 421 S (NORTHWEST BLVD)  
 (R1) (R2) MP 23.81 - MP 23.98  
 (T1) (R1) MP 23.98 - MP 24.00  
 (T1) (T1) MP 24.00 - MP 24.42  
 (V3) MAP NO. 5  
FRIS MILL 1 1/2"  
MP 24.34 - MP 24.42



**TYPICAL SECTION NO. 4**

MAP NO. 6  
US 701 HWY N (BYPASS)  
MP 19.28 - MP 21.88

MAP NO. 7  
US 701 HWY S (BYPASS)  
MP 16.37 - MP 19.10

MAP NO. 12  
US 421 N (FAIRCLOTH FWY)  
MP 22.83 - MP 25.49

MAP NO. 13  
US 421 S (FAIRCLOTH FWY)  
MP 25.27 - MP 27.93

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
R1	EXISTING 2'6" CURB & GUTTER
R2	EXISTING BARRIER WALL & PAVED MEDIAN
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
T2	EXISTING EARTH MATERIAL
T3	AGGREGATE SHOULDER BORROW (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V2	0" - 1 1/2" VARIABLE MILLING
V3	MILLING, 1 1/2" DEPTH
V4	16" TRADITIONAL RUMBLE STRIPS, SHOULDER

**NOTES:** MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

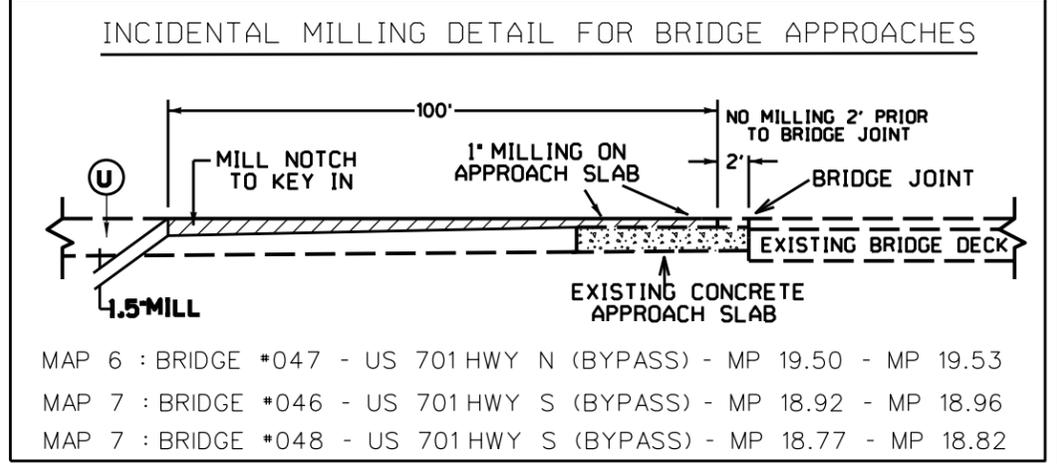
**SHOULDER WORK ON MAP NO. 4 - 25 AS NEEDED, TO BE DETERMINED BY ENGINEER.**

**THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS.**

**REINSTALL PAVEMENT MARKINGS PER 2024 STANDARDS.**

**1 1/2" MILLING SHALL BE COMPLETED UNDER ALL OVERPASS BRIDGES. QUANTITIES ARE REFLECTED IN SOO.**

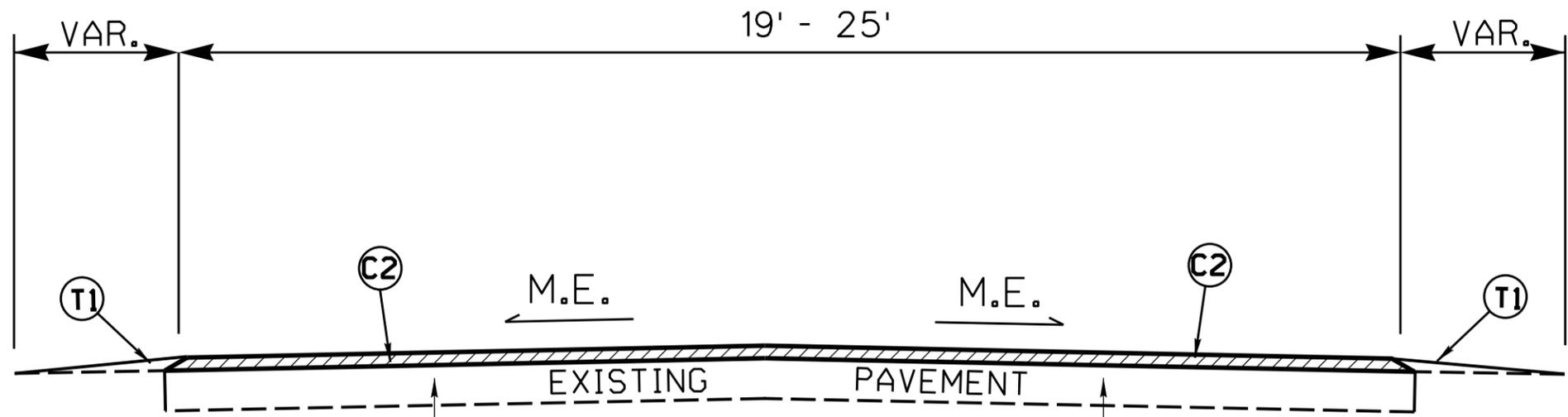
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.



MAP 6 : BRIDGE #047 - US 701 HWY N (BYPASS) - MP 19.50 - MP 19.53  
 MAP 7 : BRIDGE #046 - US 701 HWY S (BYPASS) - MP 18.92 - MP 18.96  
 MAP 7 : BRIDGE #048 - US 701 HWY S (BYPASS) - MP 18.77 - MP 18.82

REVISIONS

8/17/99  
 SYSTEM TIME  
 8/17/99 10:55:55 AM  
 8/17/99 10:55:55 AM



**TYPICAL SECTION NO. 5**

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
R1	EXISTING 2'6" CURB & GUTTER
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V2	0" - 1 1/2" VARIABLE MILLING

**NOTES:** MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAP NO. 4 - 25 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS.

REINSTALL PAVEMENT MARKINGS PER 2024 STANDARDS.

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

MAP NO. 8  
RAMP 491  
US 701 N (BYPASS)  
MP 0.00 - MP 0.25

MAP NO. 9  
RAMP 492  
US 701 S (BYPASS)  
MP 0.00 - MP 0.29

MAP NO. 10  
RAMP 490  
US 701 N (BYPASS)  
MP 0.00 - MP 0.25

MAP NO. 11  
RAMP 493  
US 701 S (BYPASS)  
MP 0.00 - MP 0.25

MAP NO. 14  
RAMP 500  
US 421 N FAIRCLOTH FWY  
MP 0.00 - MP 0.32

MAP NO. 15  
RAMP 502  
US 421 S FAIRCLOTH FWY  
MP 0.00 - MP 0.30

MAP NO. 16  
RAMP 501  
US 421 N FAIRCLOTH FWY  
MP 0.00 - MP 0.22

MAP NO. 17  
RAMP 503  
US 421 S FAIRCLOTH FWY  
MP 0.00 - MP 0.22

MAP NO. 18  
RAMP 498  
US 421 N FAIRCLOTH FWY  
MP 0.00 - MP 0.30

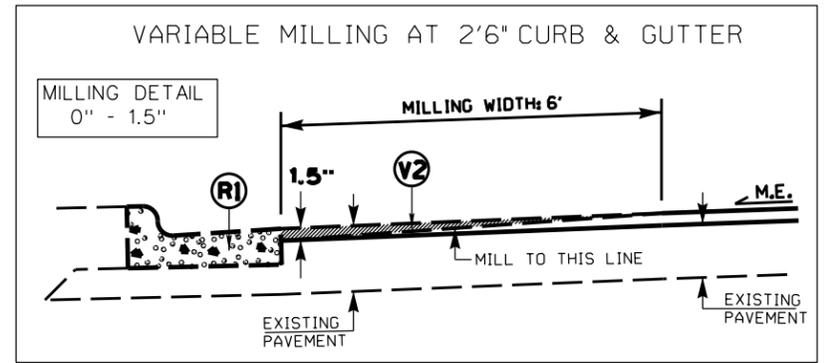
MAP NO. 19  
RAMP 6130  
US 421 S FAIRCLOTH FWY  
MP 0.00 - MP 0.16

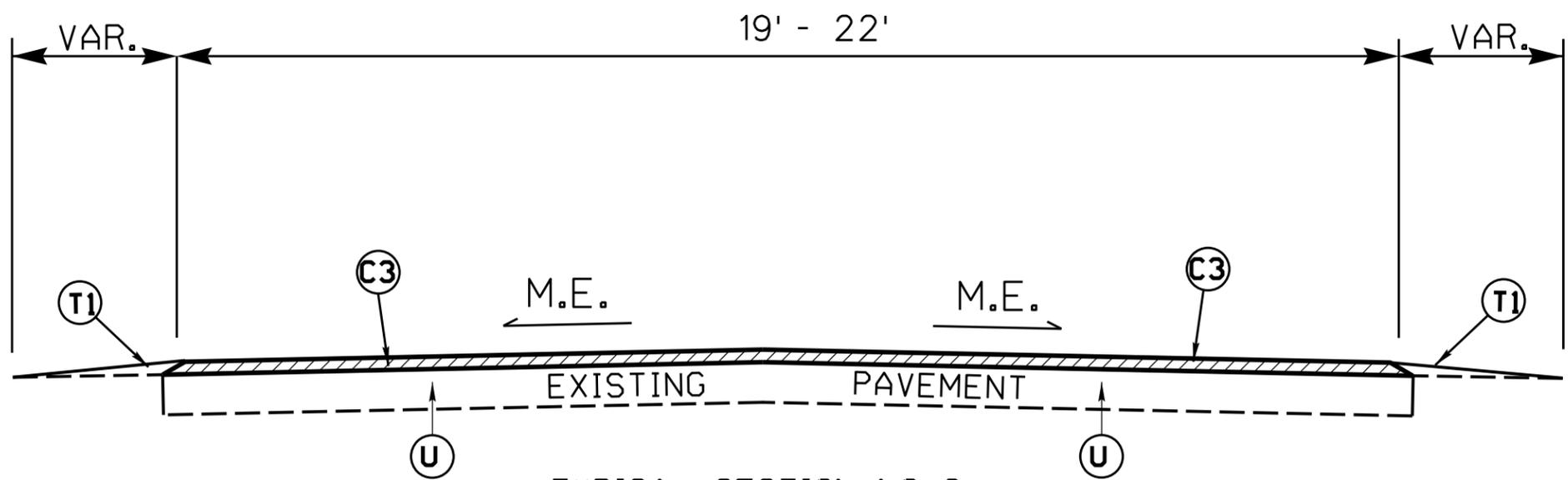
MAP NO. 20  
RAMP 499  
US 421 S FAIRCLOTH FWY  
MP 0.00 - MP 0.19

REVISIONS

8/17/99

SYSTEMS





**TYPICAL SECTION NO. 6**

MAP NO. 21  
SR 1644 (S ELDRIDGE RD)  
MP 0.00 - MP 1.75

MAP NO. 22  
SR 1635 (MAPLE GROVE CHURCH RD)  
MP 0.00 - MP 2.57

MAP NO. 23  
SR 1711 (WILLIAM R KING RD)  
MP 4.00 - MP 6.92

MAP NO. 24  
SR 1724 (KENAN WEEKS RD)  
MP 0.00 - MP 1.74

MAP NO. 25  
SR 1215 (MINTZ RD)  
MP 0.00 - MP 1.63

PAVEMENT SCHEDULE	
C3	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C4	PROP. APPROX. 1 1/4" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ.YD.
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT

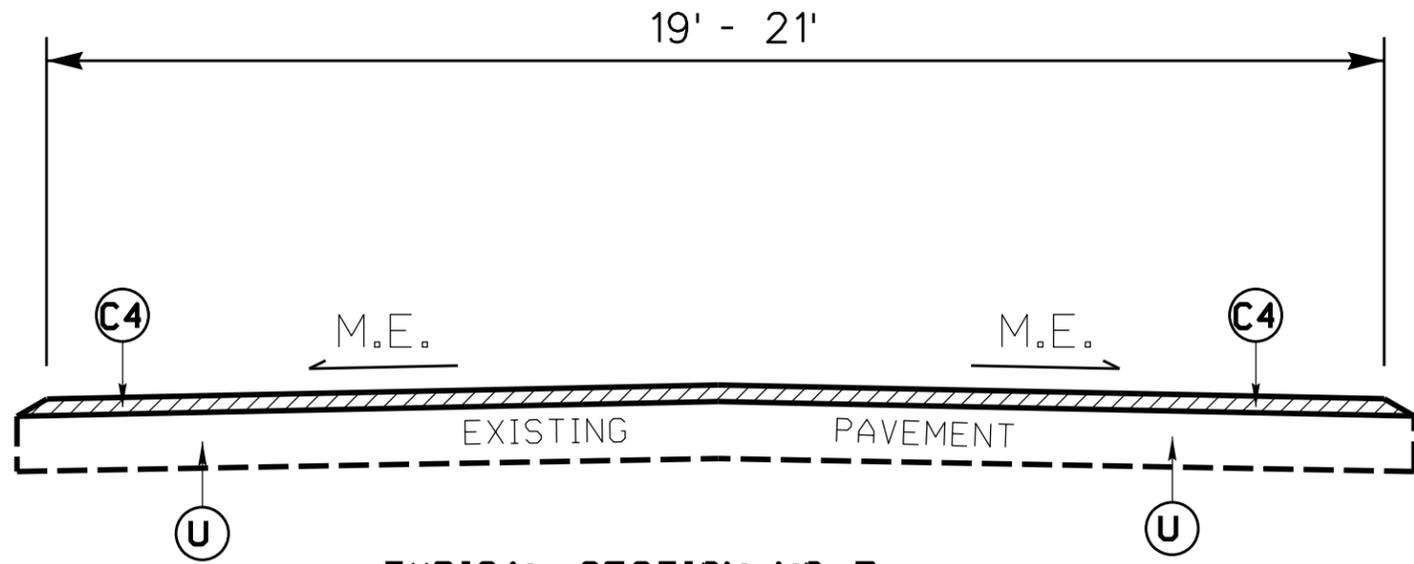
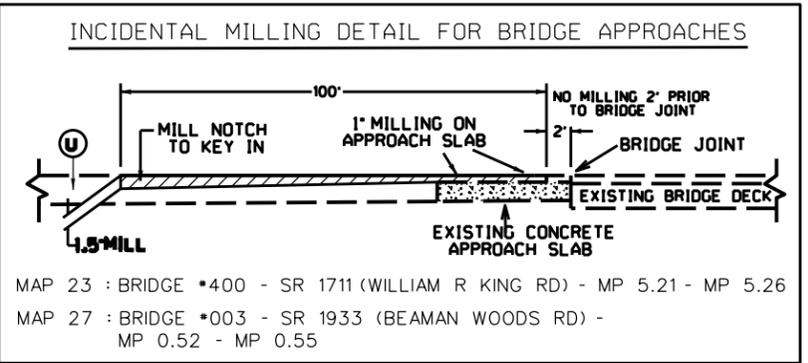
**NOTES:** MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAP NO. 4 - 25 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS.

REINSTALL PAVEMENT MARKINGS PER 2024 STANDARDS.

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.



**TYPICAL SECTION NO. 7**

MAP NO. 26  
SR 1643 (OAK GROVE CHURCH RD)  
MP 0.00 - MP 2.93

MAP NO. 27  
SR 1933 (BEAMAN WOODS RD)  
MP 0.00 - MP 3.36

2024 ROADWAY ENGLISH STANDARD DRAWINGS EFF.01-16-2024 REV.

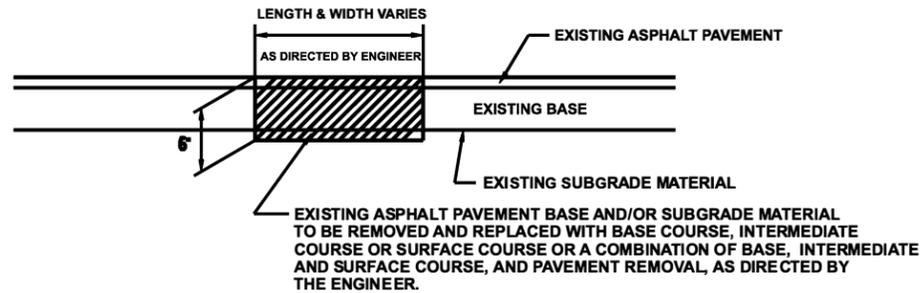
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
<b>DIVISION 8 - INCIDENTALS</b>	
846.01	Concrete Curb, Gutter and Curb & Gutter
862.01	Guardrail Placement
862.02	Guardrail Installation
<b>DIVISION 12 - PAVT MARKING, MARKERS AND DELINEATION</b>	
1205.08	Pavement Markings - Symbols & Word Messages

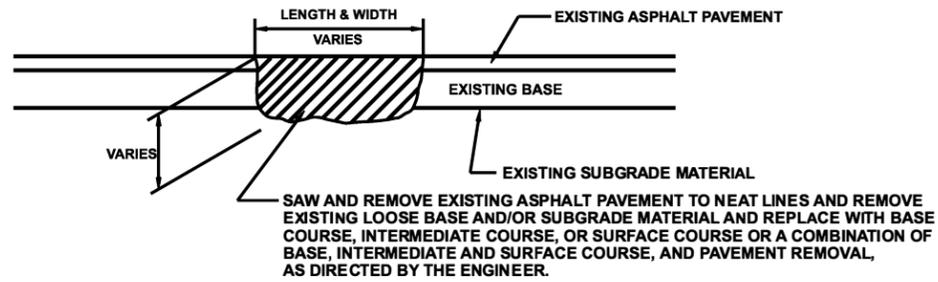
REVISIONS

8/17/99  
\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DATE\$\$\$\$\$

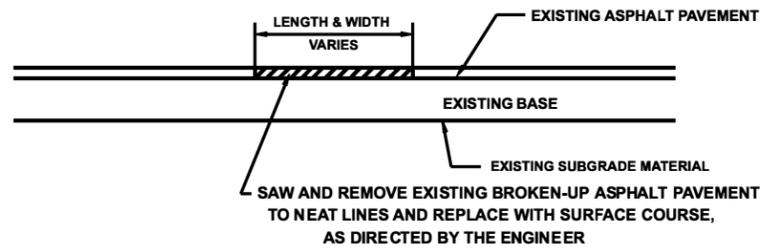
**DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING**



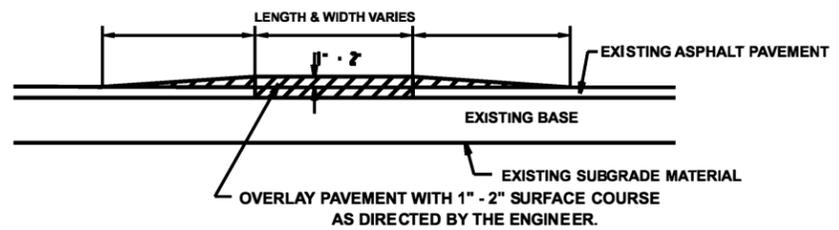
**DETAIL NO. 1**



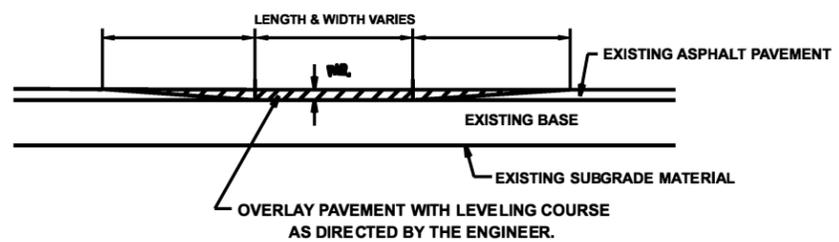
**DETAIL NO. 2**



**DETAIL NO. 3**



**DETAIL NO. 4**

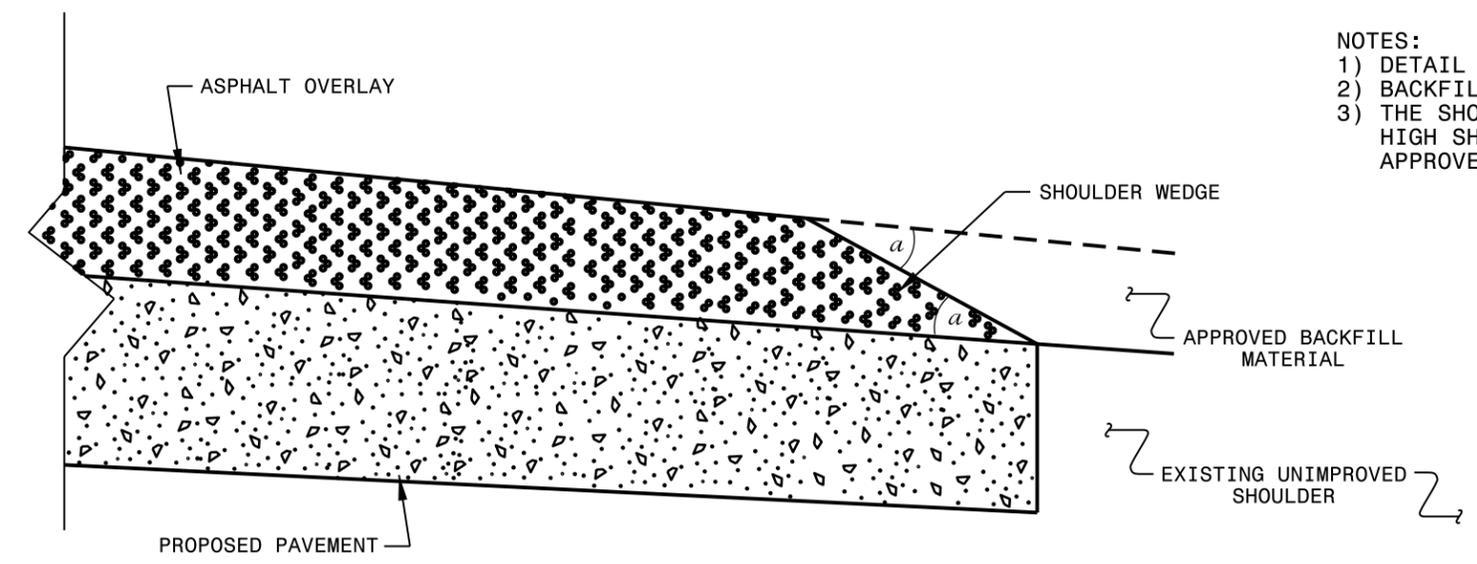


**DETAIL NO. 5**

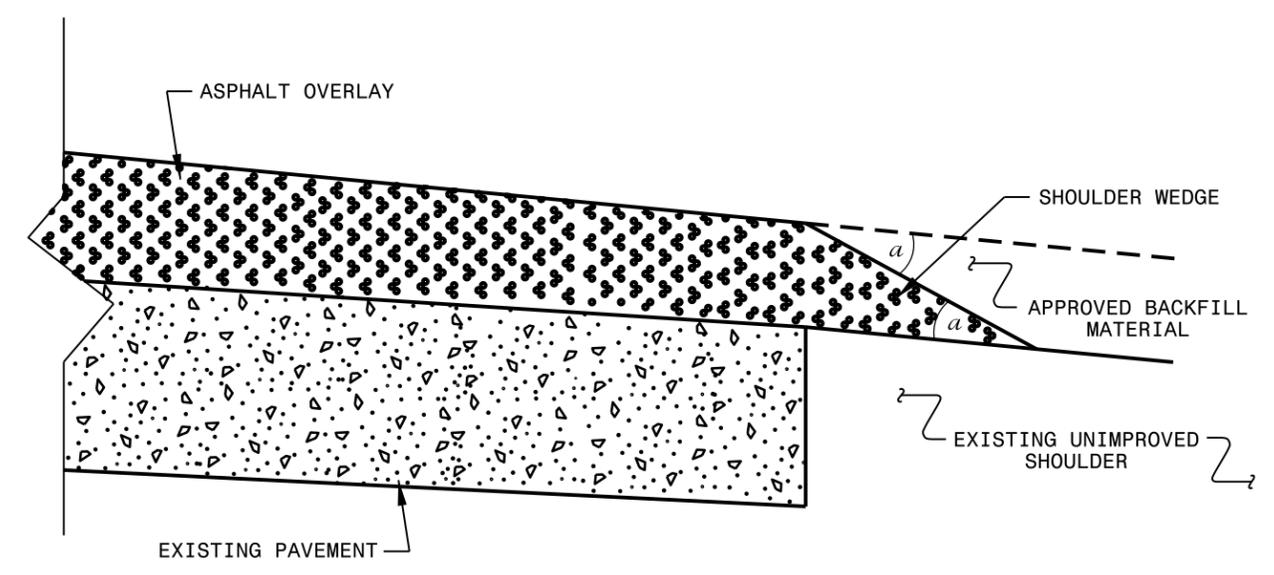
REVISIONS

8/17/99  
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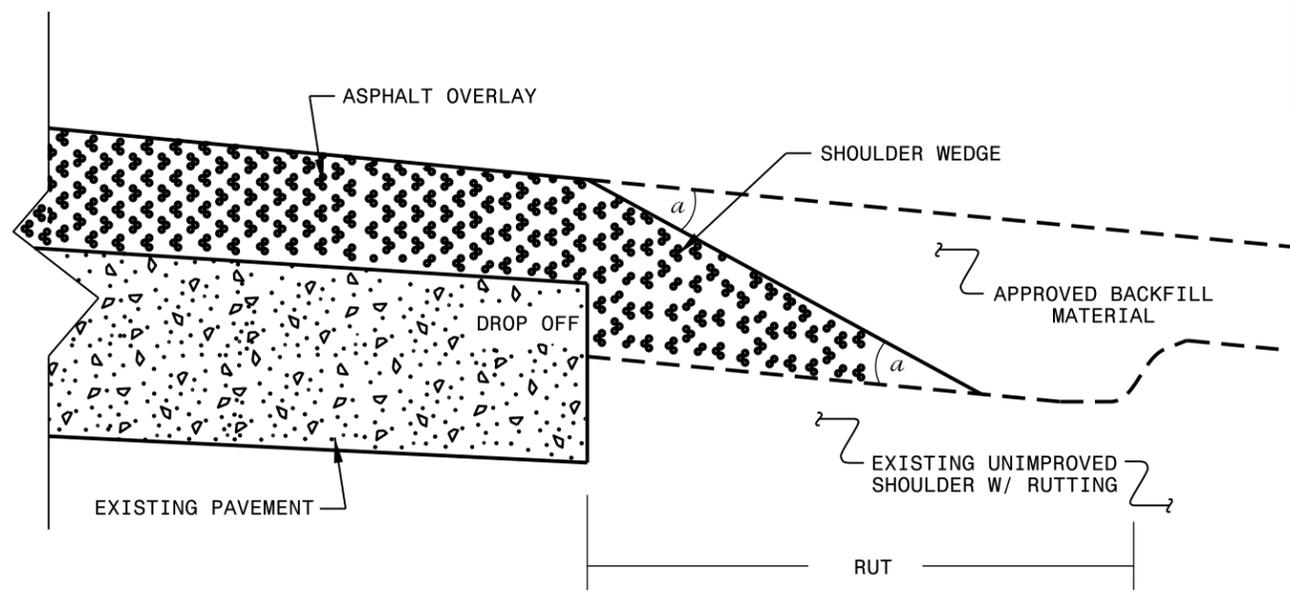
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**SHOULDER WEDGE DETAIL**  
(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
(Resurfacing Projects w/ NO Widening)



**SHOULDER WEDGE DETAIL**  
(Resurfacing Adjacent to Rutted Shoulder)

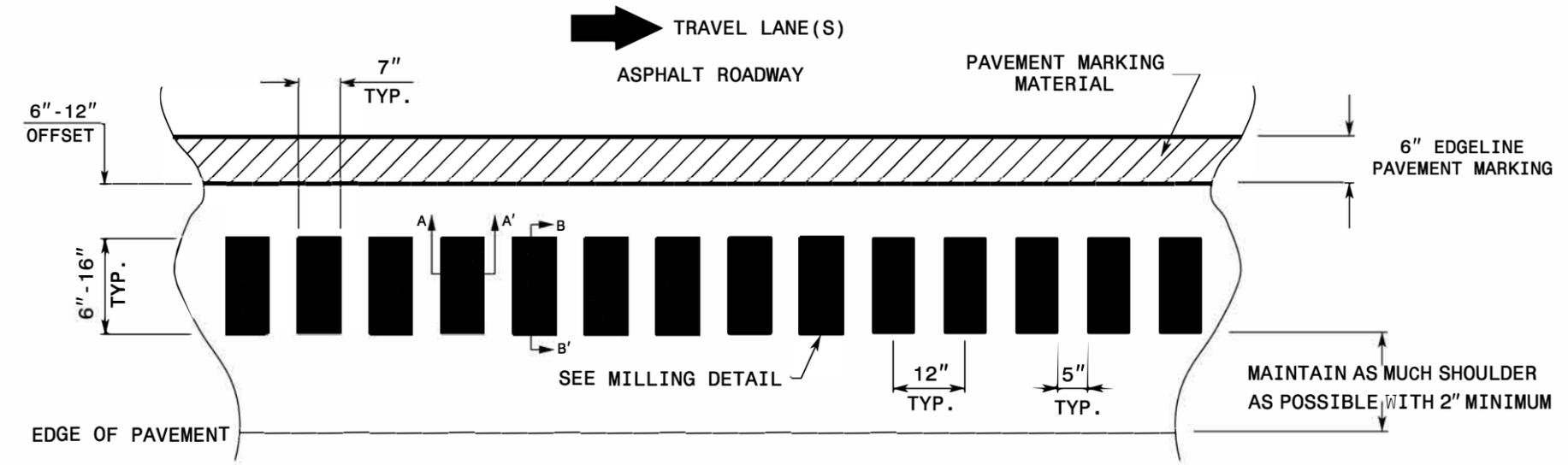
- SHOULDER WEDGE ANGLE = 30°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

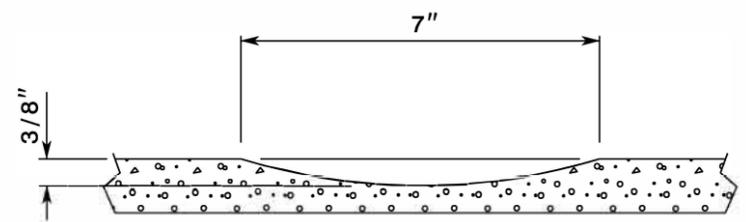
27 JUN 2018 13:22 s:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn  
 P:\porter\_41\_CSD\_20152532



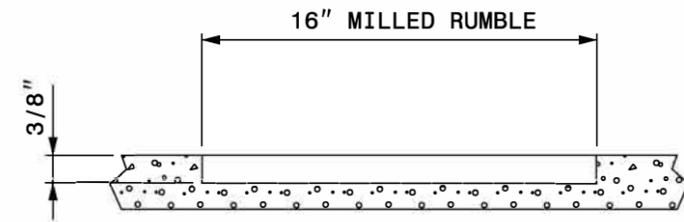
See Table 1 within Rumble Strip Policy for Design Guidance



**MILLING DETAIL:**



SECTION A-A'



SECTION B-B'

REFERENCE DRAWING ID: Trad.Strip

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**RUMBLE STRIPS / STRIPES**  
TRADITIONAL SHOULDER RUMBLE STRIP

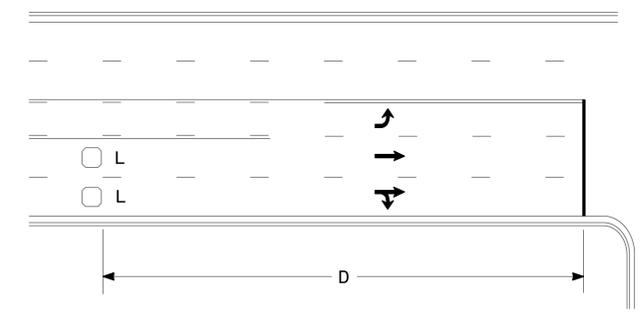
SHEET 1 OF 9

DocuSigned by:  
*Jessi L. Leonard*  
4D590D07E47C40  
02/11/2026



<b>CONTRACTS STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-8950	FAX 919-250-4119
SEE TITLE BLOCK	
ORIGINAL BY: C. SIMPSON	DATE: 04-24-2025
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

### High Speed Detection (≥35 mph)

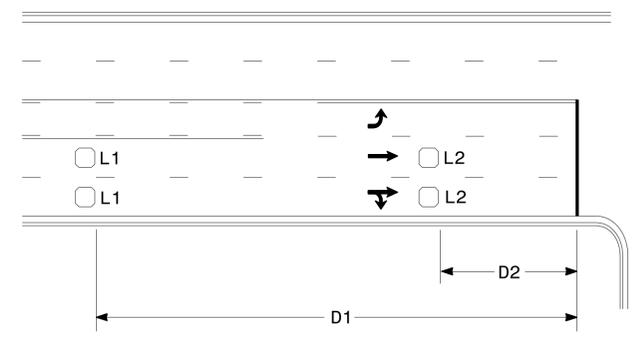


Speed Limit mph	D ft
35	200
40	250
45	300
50	355
55	420
60	475
65	550

L = 6ft X 6ft  
Wired separately

Volume Density Operation

OR



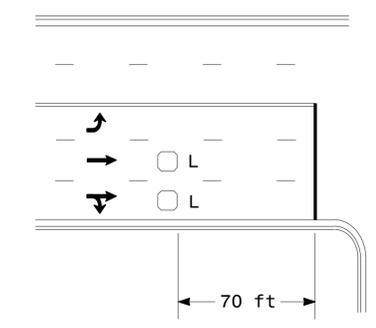
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110
60	475	120
65	550	130

L1 = 6ft X 6ft  
Wired in series

L2 = 6ft X 6ft  
Wired in series

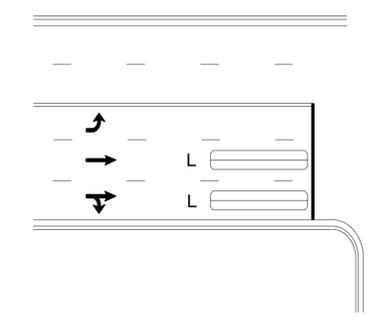
"Stretch" Operation

### Low Speed Detection (≤35 mph)



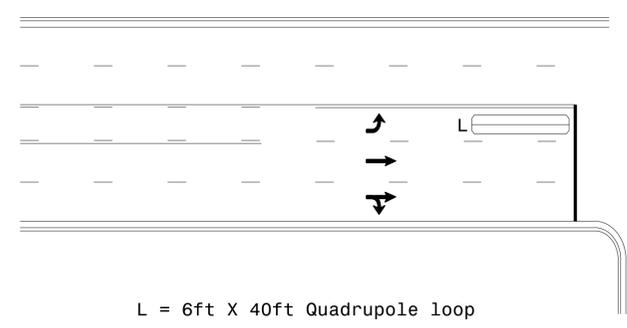
L = 6ft X 6ft  
Wired in series

OR



L = 6ft X 40ft  
Quadrupole loop, wired separately

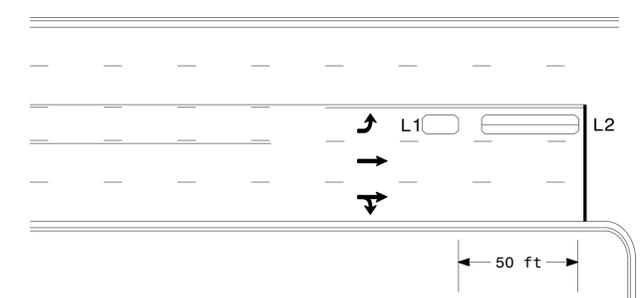
### Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

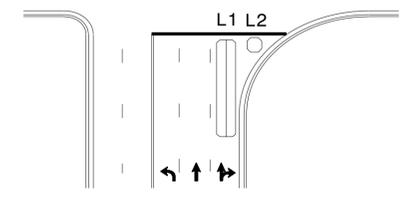
OR



L1 = 6ft X 15ft Queue detector  
L2 = 6ft X 40ft Quadrupole loop

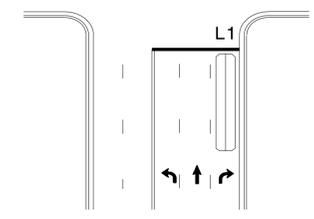
Queue Loop Detection

### Right Turn Lane Detection

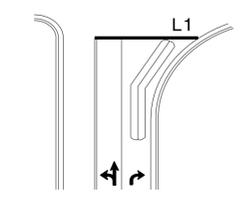


Shared Lane/  
Wide Radius Turn

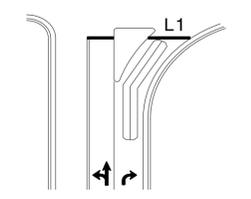
L1 = 6ft X 40ft Quadrupole loop  
L2 = 6ft X 6ft [Minimum] Presence loop  
Wired separately



Standard Turn

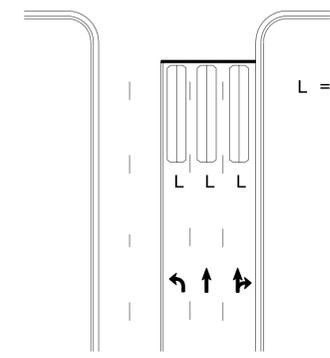


Wide Radius Turn



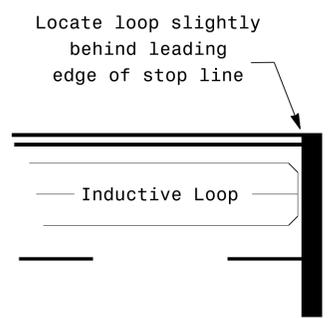
Channelized Turn

### Side Street Detection



L = 6ft X 40ft  
Quadrupole loop  
Wired to separate  
detectors/channels

### Presence Loop Placement at Stop Lines



Locate loop slightly  
behind leading  
edge of stop line

- Note:  
Loop may be located in advance  
of stop line under any of the  
following conditions:
- 1) stop line is greater than 15' from edge of intersecting roadway
  - 2) loop detects a permissive or protected/permissive left turn
  - 3) for an exclusive right turn lane

### Recommended Number of Turns

Single 6' X 6' loop  
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns  
6' X 15' Loops:  
Lead-in < 150', use 2 turns  
Lead-in > 150', use 3 turns

	<p>Prepared In the Offices of:</p> <p>TRANSPORTATION MOBILITY AND SAFETY DIVISION STATE OF NORTH CAROLINA Signal Design Section</p> <p>750 N. Greenfield Pkwy, Garner, NC 27529</p>		<p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 026486 ROBERT J. ZIEGLER</p>	
	<p>Typical Signal Loop Locations</p>		<p>PLAN DATE: September 2025 REVIEWED BY:</p> <p>PREPARED BY: J.A. Lohr REVIEWED BY:</p>	
<p>SCALE N/A</p>	<p>REVISIONS</p>	<p>INIT.</p>	<p>DATE</p>	<p>11/25/2025 DATE</p>



# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	0106000000-E	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1519000000-E			
								MI	FT			BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	2" MILLING	1.5" MILLING	0" - 1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B SHORT OVERLAY	
													CY	TON	SMI	TON	SY	SY	SY	SY	TON	TON
2026CPT.03.12.10821	Sampson	1	US-421 N NORTHWEST BLVD	FROM 0.05 MI N OF SR 1356 (NORTH BLVD) TO 0.04 MI N OF SR 1834 (INDUSTRIAL DR) [MP 27.37 - MP 27.65]	2	4	MD	0.28	62	27.37	27.65							2,009	1,027			
<b>TOTAL FOR MAP NO. 1</b>								<b>0.28</b>										<b>2,009</b>	<b>1,027</b>			
2026CPT.03.12.10821	Sampson	2	US-421 N NORTHWEST BLVD	FROM 0.05 MI S OF SR 1356 (NORTH BLVD) TO 0.05 MI N OF SR 1356 (NORTH BLVD) [MP 27.27 - MP 27.37]	1	2	MD	0.10	62	27.27	27.37											
<b>TOTAL FOR MAP NO. 2</b>								<b>0.10</b>										<b>3,564</b>	<b>704</b>			
2026CPT.03.12.10821	Sampson	3	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.05 MI S OF SR 1356 (NORTH BLVD) [MP 26.97 - MP 27.27]	2	2	MD	0.30	62	26.97	27.27											
<b>TOTAL FOR MAP NO. 3</b>								<b>0.30</b>											<b>2,182</b>			
2026CPT.03.12.10821	Sampson	4	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.63 MILES SOUTH ON US-421 N (NORTHWEST BLVD) [MP 26.97 - MP 26.34]	3	2	MD	0.63	25-72	26.97	26.34	44		0.72				1,095	1,351	292		
<b>TOTAL FOR MAP NO. 4</b>								<b>0.63</b>				<b>44</b>		<b>0.72</b>			<b>1,095</b>	<b>1,351</b>	<b>292</b>			
2026CPT.03.12.10821	Sampson	5	US-421 S NORTHWEST BLVD	FROM 0.01 MI S OF SR 1839 (MCCOY ST) TO 0.61 MILES SOUTH ON US-421 S (NORTHWEST BLVD) [MP 23.81 - MP 24.42]	3	2	MD	0.61	25-72	23.81	24.42	55		1.74				1,095	635	333		
<b>TOTAL FOR MAP NO. 5</b>								<b>0.61</b>				<b>55</b>		<b>1.74</b>			<b>1,095</b>	<b>635</b>	<b>333</b>			
2026CPT.03.12.10821	Sampson	6	US-701 HWY N (BYPASS)	FROM DIVIDED SECTION TO US HWY 701 [MP 19.28 - MP 21.88]	4	2	MD	2.60	32	19.28	21.88			4.66	399			490	2,047	583		
<b>TOTAL FOR MAP NO. 6</b>								<b>2.60</b>						<b>4.66</b>	<b>399</b>		<b>490</b>	<b>2,047</b>	<b>583</b>			
2026CPT.03.12.10821	Sampson	7	US-701 HWY S (BYPASS)	FROM US HWY 701 TO DIVIDED SECTION [MP 16.37 - MP 19.10]	4	2	MD	2.73	32	16.37	19.10			5.10	437			490	147	2,000		
<b>TOTAL FOR MAP NO. 7</b>								<b>2.73</b>						<b>5.10</b>	<b>437</b>		<b>490</b>	<b>147</b>	<b>2,000</b>			
2026CPT.03.12.10821	Sampson	8	US-701 N RAMP 491	FROM SR 1356 (NORTH BLVD) TO US HWY 701 N [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	24		0.40					133	69		
<b>TOTAL FOR MAP NO. 8</b>								<b>0.25</b>				<b>24</b>		<b>0.40</b>			<b>133</b>	<b>69</b>				
2026CPT.03.12.10821	Sampson	9	US-701 S RAMP 492	FROM US HWY 701 S TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.29]	5	2	MD	0.29	24	0.00	0.29	26		0.42					200			
<b>TOTAL FOR MAP NO. 9</b>								<b>0.29</b>				<b>26</b>		<b>0.42</b>			<b>200</b>					
2026CPT.03.12.10821	Sampson	10	US-701 N RAMP 490	FROM US HWY 701 N TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	21	20	0.35					150			
<b>TOTAL FOR MAP NO. 10</b>								<b>0.25</b>				<b>21</b>	<b>20</b>	<b>0.35</b>			<b>150</b>					
2026CPT.03.12.10821	Sampson	11	US-701 S RAMP 493	FROM SR 1356 (NORTH BLVD) TO US HWY 701 S [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	23	20	0.38					147	200		
<b>TOTAL FOR MAP NO. 11</b>								<b>0.25</b>				<b>23</b>	<b>20</b>	<b>0.38</b>			<b>147</b>	<b>200</b>				
2026CPT.03.12.10821	Sampson	12	US-421 N FAIRCLOTH FWY	FROM 0.25 MI SE OF US HWY 701 BUS (SOUTHEAST BLVD) TO 0.37 MI NW OF SR 1214 (ELIZABETH ST) [MP 22.83 - MP 25.49]	4	2	MD	2.66	32	22.83	25.49			5.32	408				1,200	2,900		
<b>TOTAL FOR MAP NO. 12</b>								<b>2.66</b>						<b>5.32</b>	<b>408</b>		<b>1,200</b>	<b>2,900</b>				
2026CPT.03.12.10821	Sampson	13	US-421 S FAIRCLOTH FWY	FROM 0.37 MI SE OF SR 1296 (SUNSET AVE) TO 0.24 MI SE OF US HWY 701 (GARLAND HWY) [MP 25.27 - MP 27.93]	4	2	MD	2.66	32	25.27	27.93			5.31	408				1,200	670		
<b>TOTAL FOR MAP NO. 13</b>								<b>2.66</b>						<b>5.31</b>	<b>408</b>		<b>1,200</b>	<b>670</b>				
2026CPT.03.12.10821	Sampson	14	US-421 N FAIRCLOTH FWY RAMP 500	FROM US HWY 421 N (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.32]	5	2	MD	0.32	24	0.00	0.32	31		0.51					1,389	70	150	
<b>TOTAL FOR MAP NO. 14</b>								<b>0.32</b>				<b>31</b>		<b>0.51</b>			<b>1,389</b>	<b>70</b>	<b>150</b>			
2026CPT.03.12.10821	Sampson	15	US-421 S FAIRCLOTH FWY RAMP 502	FROM US HWY 421 S (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30	27		0.45					1,056	67	150	
<b>TOTAL FOR MAP NO. 15</b>								<b>0.30</b>				<b>27</b>		<b>0.45</b>			<b>1,056</b>	<b>67</b>	<b>150</b>			



PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	19

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1520000000-E	1523000000-E	1524200000-E	1575000000-E	1577000000-E	1705000000-E	1705500000-E	1841000000-E	1526000000-E	2739000000-E			
								MI	FT			LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE) (16")	SURFACE COURSE, S4.75A	REMOVE AND REPLACE 4" CONCRETE ISLAND COVER			
												TON	TON	TON	TON	TON	TON	TON	LF	TON	SY			
2026CPT.03.12.10821	Sampson	1	US-421 N NORTHWEST BLVD	FROM 0.05 MI N OF SR 1356 (NORTH BLVD) TO 0.04 MI N OF SR 1834 (INDUSTRIAL DR) [MP 27.37 - MP 27.65]	2	4	MD	0.28	62	27.37	27.65		936		66			200						
<b>TOTAL FOR MAP NO. 1</b>												<b>0.28</b>				<b>936</b>		<b>66</b>			<b>200</b>			
2026CPT.03.12.10821	Sampson	2	US-421 N NORTHWEST BLVD	FROM 0.05 MI S OF SR 1356 (NORTH BLVD) TO 0.05 MI N OF SR 1356 (NORTH BLVD) [MP 27.27 - MP 27.37]	1	2	MD	0.10	62	27.27	27.37		312	421	19	25								
<b>TOTAL FOR MAP NO. 2</b>												<b>0.10</b>				<b>312</b>	<b>421</b>	<b>19</b>	<b>25</b>					
2026CPT.03.12.10821	Sampson	3	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.05 MI S OF SR 1356 (NORTH BLVD) [MP 26.97 - MP 27.27]	2	2	MD	0.30	62	26.97	27.27		1,010		70			200						
<b>TOTAL FOR MAP NO. 3</b>												<b>0.30</b>				<b>1,010</b>		<b>70</b>		<b>200</b>				
2026CPT.03.12.10821	Sampson	4	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.63 MILES SOUTH ON US-421 N (NORTHWEST BLVD) [MP 26.97 - MP 26.34]	3	2	MD	0.63	25-72	26.97	26.34		1,181		75			100	3,410	26				
<b>TOTAL FOR MAP NO. 4</b>												<b>0.63</b>				<b>1,181</b>		<b>75</b>		<b>100</b>	<b>3,410</b>	<b>26</b>		
2026CPT.03.12.10821	Sampson	5	US-421 S NORTHWEST BLVD	FROM 0.01 MI S OF SR 1839 (MCCOY ST) TO 0.61 MILES SOUTH ON US-421 S (NORTHWEST BLVD) [MP 23.81 - MP 24.42]	3	2	MD	0.61	25-72	23.81	24.42		1,394		88			100	3,410	25				
<b>TOTAL FOR MAP NO. 5</b>												<b>0.61</b>				<b>1,394</b>		<b>88</b>		<b>100</b>	<b>3,410</b>	<b>25</b>		
2026CPT.03.12.10821	Sampson	6	US-701 HWY N (BYPASS)	FROM DIVIDED SECTION TO US HWY 701 [MP 19.28 - MP 21.88]	4	2	MD	2.60	32	19.28	21.88		4,422		264			40	24,130	180				
<b>TOTAL FOR MAP NO. 6</b>												<b>2.60</b>				<b>4,422</b>		<b>264</b>		<b>40</b>	<b>24,130</b>	<b>180</b>		
2026CPT.03.12.10821	Sampson	7	US-701 HWY S (BYPASS)	FROM US HWY 701 TO DIVIDED SECTION [MP 16.37 - MP 19.10]	4	2	MD	2.73	32	16.37	19.10		4,415		261				24,290	181				
<b>TOTAL FOR MAP NO. 7</b>												<b>2.73</b>				<b>4,415</b>		<b>261</b>			<b>24,290</b>	<b>181</b>		
2026CPT.03.12.10821	Sampson	8	US-701 N RAMP 491	FROM SR 1356 (NORTH BLVD) TO US HWY 701 N [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25		255		21			100						
<b>TOTAL FOR MAP NO. 8</b>												<b>0.25</b>				<b>255</b>		<b>21</b>		<b>100</b>				
2026CPT.03.12.10821	Sampson	9	US-701 S RAMP 492	FROM US HWY 701 S TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.29]	5	2	MD	0.29	24	0.00	0.29		261		16									
<b>TOTAL FOR MAP NO. 9</b>												<b>0.29</b>				<b>261</b>		<b>16</b>						
2026CPT.03.12.10821	Sampson	10	US-701 N RAMP 490	FROM US HWY 701 N TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25		227		14									
<b>TOTAL FOR MAP NO. 10</b>												<b>0.25</b>				<b>227</b>		<b>14</b>						
2026CPT.03.12.10821	Sampson	11	US-701 S RAMP 493	FROM SR 1356 (NORTH BLVD) TO US HWY 701 S [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25		242		15									
<b>TOTAL FOR MAP NO. 11</b>												<b>0.25</b>				<b>242</b>		<b>15</b>						
2026CPT.03.12.10821	Sampson	12	US-421 N FAIRCLOTH FWY	FROM 0.25 MI SE OF US HWY 701 BUS (SOUTHEAST BLVD) TO 0.37 MI NW OF SR 1214 (ELIZABETH ST) [MP 22.83 - MP 25.49]	4	2	MD	2.66	32	22.83	25.49		4,723		286			110	28,195	209				
<b>TOTAL FOR MAP NO. 12</b>												<b>2.66</b>				<b>4,723</b>		<b>286</b>		<b>110</b>	<b>28,195</b>	<b>209</b>		
2026CPT.03.12.10821	Sampson	13	US-421 S FAIRCLOTH FWY	FROM 0.37 MI SE OF SR 1296 (SUNSET AVE) TO 0.24 MI SE OF US HWY 701 (GARLAND HWY) [MP 25.27 - MP 27.93]	4	2	MD	2.66	32	25.27	27.93		4,921		291				28,090	209				
<b>TOTAL FOR MAP NO. 13</b>												<b>2.66</b>				<b>4,921</b>		<b>291</b>			<b>28,090</b>	<b>209</b>		
2026CPT.03.12.10821	Sampson	14	US-421 N FAIRCLOTH FWY RAMP 500	FROM US HWY 421 N (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.32]	5	2	MD	0.32	24	0.00	0.32		308		18						336			
<b>TOTAL FOR MAP NO. 14</b>												<b>0.32</b>				<b>308</b>		<b>18</b>				<b>336</b>		
2026CPT.03.12.10821	Sampson	15	US-421 S FAIRCLOTH FWY RAMP 502	FROM US HWY 421 S (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30		307		18						464			
<b>TOTAL FOR MAP NO. 15</b>												<b>0.30</b>				<b>307</b>		<b>18</b>				<b>464</b>		

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	20

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	152000000-E	152300000-E	152420000-E	157500000-E	157700000-E	170500000-E	170550000-E	184100000-E	152600000-E	273900000-E	
								MI	FT			LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE) (16")	SURFACE COURSE, S4.75A	REMOVE AND REPLACE 4" CONCRETE ISLAND COVER	
								TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON		
2026CPT.03.12.10821	Sampson	16	US-421 N (FAIRCLOTH FWY) RAMP 501	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 N (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	19	0.00	0.22		176		10							
<b>TOTAL FOR MAP NO. 16</b>								<b>0.22</b>					<b>176</b>		<b>10</b>							
2026CPT.03.12.10821	Sampson	17	US-421 S FAIRCLOTH FWY RAMP 503	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	20	0.00	0.22		177		10							
<b>TOTAL FOR MAP NO. 17</b>								<b>0.22</b>					<b>177</b>		<b>10</b>							
2026CPT.03.12.10821	Sampson	18	US-421 N FAIRCLOTH FWY RAMP 498	FROM US HWY 421 N (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30		360		21							
<b>TOTAL FOR MAP NO. 18</b>								<b>0.30</b>					<b>360</b>		<b>21</b>							
2026CPT.03.12.10821	Sampson	19	US-421 S FAIRCLOTH FWY RAMP 6130	FROM US HWY 421 S (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.16]	5	2	MD	0.16	24	0.00	0.16		147		9			10				
<b>TOTAL FOR MAP NO. 19</b>								<b>0.16</b>					<b>147</b>		<b>9</b>		<b>10</b>					
2026CPT.03.12.10821	Sampson	20	US-421 S FAIRCLOTH FWY RAMP 499	FROM SR 1227 (TRAM RD) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.19]	5	2	MD	0.19	25	0.00	0.19		198		12			10				
<b>TOTAL FOR MAP NO. 20</b>								<b>0.19</b>					<b>198</b>		<b>12</b>		<b>10</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.10821</b>								<b>15.32</b>					<b>25,972</b>	<b>421</b>	<b>1,584</b>	<b>25</b>	<b>870</b>	<b>111,525</b>	<b>830</b>	<b>800</b>		
2026CPT.03.12.20821	Sampson	21	SR-1644 / S ELDRIDGE RD	FROM SR 1643 (OAK GROVE CHURCH RD) TO US HWY 13 [MP 0.00 - MP 1.75]	6	2	2WU	1.75	20	0.00	1.75				192							
<b>TOTAL FOR MAP NO. 21</b>								<b>1.75</b>							<b>192</b>							
2026CPT.03.12.20821	Sampson	22	SR-1635 / MAPLE GROVE CHURCH RD	FROM SR 1620 (TIMOTHY RD) TO SR 1643 (OAK GROVE CHURCH RD) [MP 0.00 - MP 2.57]	6	2	2WU	2.57	21	0.00	2.57				222			40				
<b>TOTAL FOR MAP NO. 22</b>								<b>2.57</b>							<b>222</b>		<b>40</b>					
2026CPT.03.12.20821	Sampson	23	SR-1711 / WILLIAM R KING RD	FROM SR 1845 (CEDAR POINT RD) TO SR 1722 (SUTTONTOWN RD) [MP 4.00 - MP 6.92]	6	2	2WU	2.92	19	4.00	6.92				260			50				
<b>TOTAL FOR MAP NO. 23</b>								<b>2.92</b>							<b>260</b>		<b>50</b>					
2026CPT.03.12.20821	Sampson	24	SR-1724 / KENAN WEEKS RD	FROM US HWY 701 TO SR 1711 (WILLIAM R KING RD) [MP 0.00 - MP 1.74]	6	2	2WU	1.74	20	0.00	1.74				124							
<b>TOTAL FOR MAP NO. 24</b>								<b>1.74</b>							<b>124</b>							
2026CPT.03.12.20821	Sampson	25	SR-1215 / MINTZ RD	FROM END OF MAINTAINCE TO NC HWY 411 (OLD MINTZ HIGHWAY) [MP 0.00 - MP 1.63]	6	2	2WU	1.63	22	0.00	1.63	10			117		5	60				
<b>TOTAL FOR MAP NO. 25</b>								<b>1.63</b>					<b>10</b>		<b>117</b>	<b>5</b>	<b>60</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20821</b>								<b>10.61</b>					<b>10</b>		<b>915</b>	<b>5</b>	<b>150</b>					
2026CPT.03.12.20822	Sampson	26	SR-1643 / OAK GROVE CHURCH RD	FROM NC HWY 55 TO US HWY 13 [MP 0.00 - MP 2.93]	7	2	2WU	2.93	19	0.00	2.93				181			20				
<b>TOTAL FOR MAP NO. 26</b>								<b>2.93</b>							<b>181</b>		<b>20</b>					
2026CPT.03.12.20822	Sampson	27	SR-1933 / BEAMAN WOODS RD	FROM US HWY 421 TO SR 1924 (ROWAN RD) [MP 0.00 - MP 3.36]	7	2	2WU	3.36	21	0.00	3.36				195			75				
<b>TOTAL FOR MAP NO. 27</b>								<b>3.36</b>							<b>195</b>		<b>75</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20822</b>								<b>6.29</b>							<b>376</b>		<b>95</b>					
<b>GRAND TOTAL</b>								<b>32.22</b>					<b>10</b>	<b>25,972</b>	<b>421</b>	<b>2,875</b>	<b>25</b>	<b>5</b>	<b>1,115</b>	<b>111,525</b>	<b>830</b>	<b>800</b>

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	21

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	2830000000-N	2845000000-N	3420000000-E	3435000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	
												ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	REMOVE & REPLACE EXISTING GUARDRAIL	REMOVE & REPLACE GUARDRAIL END UNIT, TYPE TL-3	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	
												EA	EA	LF	EA	LF	TON	TON	ACR	LBS	
2026CPT.03.12.10821	Sampson	1	US-421 N NORTHWEST BLVD	FROM 0.05 MI N OF SR 1356 (NORTH BLVD) TO 0.04 MI N OF SR 1834 (INDUSTRIAL DR) [MP 27.37 - MP 27.65]	2	4	MD	0.28	62	27.37	27.65	3									
<b>TOTAL FOR MAP NO. 1</b>								<b>0.28</b>				<b>3</b>									
2026CPT.03.12.10821	Sampson	2	US-421 N NORTHWEST BLVD	FROM 0.05 MI S OF SR 1356 (NORTH BLVD) TO 0.05 MI N OF SR 1356 (NORTH BLVD) [MP 27.27 - MP 27.37]	1	2	MD	0.10	62	27.27	27.37	1	2								
<b>TOTAL FOR MAP NO. 2</b>								<b>0.10</b>				<b>1</b>	<b>2</b>								
2026CPT.03.12.10821	Sampson	3	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.05 MI S OF SR 1356 (NORTH BLVD) [MP 26.97 - MP 27.27]	2	2	MD	0.30	62	26.97	27.27										
<b>TOTAL FOR MAP NO. 3</b>								<b>0.30</b>													
2026CPT.03.12.10821	Sampson	4	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.63 MILES SOUTH ON US-421 N (NORTHWEST BLVD) [MP 26.97 - MP 26.34]	3	2	MD	0.63	25-72	26.97	26.34					40	10	10	0.40	20	
<b>TOTAL FOR MAP NO. 4</b>								<b>0.63</b>								<b>40</b>	<b>10</b>	<b>10</b>	<b>0.40</b>	<b>20</b>	
2026CPT.03.12.10821	Sampson	5	US-421 S NORTHWEST BLVD	FROM 0.01 MI S OF SR 1839 (MCCOY ST) TO 0.61 MILES SOUTH ON US-421 S (NORTHWEST BLVD) [MP 23.81 - MP 24.42]	3	2	MD	0.61	25-72	23.81	24.42					90	22	22	0.90	45	
<b>TOTAL FOR MAP NO. 5</b>								<b>0.61</b>							<b>90</b>	<b>22</b>	<b>22</b>	<b>0.90</b>	<b>45</b>		
2026CPT.03.12.10821	Sampson	6	US-701 HWY N (BYPASS)	FROM DIVIDED SECTION TO US HWY 701 [MP 19.28 - MP 21.88]	4	2	MD	2.60	32	19.28	21.88					235	60	60	2.30	115	
<b>TOTAL FOR MAP NO. 6</b>								<b>2.60</b>							<b>235</b>	<b>60</b>	<b>60</b>	<b>2.30</b>	<b>115</b>		
2026CPT.03.12.10821	Sampson	7	US-701 HWY S (BYPASS)	FROM US HWY 701 TO DIVIDED SECTION [MP 16.37 - MP 19.10]	4	2	MD	2.73	32	16.37	19.10					235	60	60	2.50	115	
<b>TOTAL FOR MAP NO. 7</b>								<b>2.73</b>							<b>235</b>	<b>60</b>	<b>60</b>	<b>2.50</b>	<b>115</b>		
2026CPT.03.12.10821	Sampson	8	US-701 N RAMP 491	FROM SR 1356 (NORTH BLVD) TO US HWY 701 N [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 8</b>								<b>0.25</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	9	US-701 S RAMP 492	FROM US HWY 701 S TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.29]	5	2	MD	0.29	24	0.00	0.29					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 9</b>								<b>0.29</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	10	US-701 N RAMP 490	FROM US HWY 701 N TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 10</b>								<b>0.25</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	11	US-701 S RAMP 493	FROM SR 1356 (NORTH BLVD) TO US HWY 701 S [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 11</b>								<b>0.25</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	12	US-421 N FAIRCLOTH FWY	FROM 0.25 MI SE OF US HWY 701 BUS (SOUTHEAST BLVD) TO 0.37 MI NW OF SR 1214 (ELIZABETH ST) [MP 22.83 - MP 25.49]	4	2	MD	2.66	32	22.83	25.49			175	7	265	65	65	2.65	135	
<b>TOTAL FOR MAP NO. 12</b>								<b>2.66</b>							<b>175</b>	<b>7</b>	<b>265</b>	<b>65</b>	<b>65</b>	<b>2.65</b>	<b>135</b>
2026CPT.03.12.10821	Sampson	13	US-421 S FAIRCLOTH FWY	FROM 0.37 MI SE OF SR 1296 (SUNSET AVE) TO 0.24 MI SE OF US HWY 701 (GARLAND HWY) [MP 25.27 - MP 27.93]	4	2	MD	2.66	32	25.27	27.93			125	5	265	65	65	2.65	135	
<b>TOTAL FOR MAP NO. 13</b>								<b>2.66</b>							<b>125</b>	<b>5</b>	<b>265</b>	<b>65</b>	<b>65</b>	<b>2.65</b>	<b>135</b>
2026CPT.03.12.10821	Sampson	14	US-421 N FAIRCLOTH FWY RAMP 500	FROM US HWY 421 N (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.32]	5	2	MD	0.32	24	0.00	0.32					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 14</b>								<b>0.32</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	15	US-421 S FAIRCLOTH FWY RAMP 502	FROM US HWY 421 S (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30			25	1		5	5	20.20	10	
<b>TOTAL FOR MAP NO. 15</b>								<b>0.30</b>							<b>25</b>	<b>1</b>		<b>5</b>	<b>5</b>	<b>20.20</b>	<b>10</b>

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	22

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	2830000000-N	2845000000-N	3420000000-E	3435000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	
												ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	REMOVE & REPLACE EXISTING GUARDRAIL	REMOVE & REPLACE GUARDRAIL END UNIT, TYPE TL-3	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	
												EA	EA	LF	EA	LF	TON	TON	ACR	LBS	
2026CPT.03.12.10821	Sampson	16	US-421 N (FAIRCLOTH FWY) RAMP 501	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 N (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	19	0.00	0.22					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 16</b>								<b>0.22</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	17	US-421 S FAIRCLOTH FWY RAMP 503	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	20	0.00	0.22					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 17</b>								<b>0.22</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
2026CPT.03.12.10821	Sampson	18	US-421 N FAIRCLOTH FWY RAMP 498	FROM US HWY 421 N (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30			25	1	20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 18</b>								<b>0.30</b>						<b>25</b>	<b>1</b>	<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>	
2026CPT.03.12.10821	Sampson	19	US-421 S FAIRCLOTH FWY RAMP 6130	FROM US HWY 421 S (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.16]	5	2	MD	0.16	24	0.00	0.16			25	1	20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 19</b>								<b>0.16</b>						<b>25</b>	<b>1</b>	<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>	
2026CPT.03.12.10821	Sampson	20	US-421 S FAIRCLOTH FWY RAMP 499	FROM SR 1227 (TRAM RD) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.19]	5	2	MD	0.19	25	0.00	0.19					20	5	5	0.20	10	
<b>TOTAL FOR MAP NO. 20</b>								<b>0.19</b>							<b>20</b>	<b>5</b>	<b>5</b>	<b>0.20</b>	<b>10</b>		
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.10821</b>								<b>15.32</b>					<b>4</b>	<b>2</b>	<b>375</b>	<b>15</b>	<b>1,330</b>	<b>337</b>	<b>337</b>	<b>33.60</b>	<b>675</b>
2026CPT.03.12.20821	Sampson	21	SR-1644 / S ELDRIDGE RD	FROM SR 1643 (OAK GROVE CHURCH RD) TO US HWY 13 [MP 0.00 - MP 1.75]	6	2	2WU	1.75	20	0.00	1.75					175	45	45	1.75	90	
<b>TOTAL FOR MAP NO. 21</b>								<b>1.75</b>							<b>175</b>	<b>45</b>	<b>45</b>	<b>1.75</b>	<b>90</b>		
2026CPT.03.12.20821	Sampson	22	SR-1635 / MAPLE GROVE CHURCH RD	FROM SR 1620 (TIMOTHY RD) TO SR 1643 (OAK GROVE CHURCH RD) [MP 0.00 - MP 2.57]	6	2	2WU	2.57	21	0.00	2.57					250	65	65	2.50	125	
<b>TOTAL FOR MAP NO. 22</b>								<b>2.57</b>							<b>250</b>	<b>65</b>	<b>65</b>	<b>2.50</b>	<b>125</b>		
2026CPT.03.12.20821	Sampson	23	SR-1711 / WILLIAM R KING RD	FROM SR 1845 (CEDAR POINT RD) TO SR 1722 (SUTTONTOWN RD) [MP 4.00 - MP 6.92]	6	2	2WU	2.92	19	4.00	6.92					290	75	75	2.90	145	
<b>TOTAL FOR MAP NO. 23</b>								<b>2.92</b>							<b>290</b>	<b>75</b>	<b>75</b>	<b>2.90</b>	<b>145</b>		
2026CPT.03.12.20821	Sampson	24	SR-1724 / KENAN WEEKS RD	FROM US HWY 701 TO SR 1711 (WILLIAM R KING RD) [MP 0.00 - MP 1.74]	6	2	2WU	1.74	20	0.00	1.74					170	45	45	1.70	85	
<b>TOTAL FOR MAP NO. 24</b>								<b>1.74</b>							<b>170</b>	<b>45</b>	<b>45</b>	<b>1.70</b>	<b>85</b>		
2026CPT.03.12.20821	Sampson	25	SR-1215 / MINTZ RD	FROM END OF MAINTAINCE TO NC HWY 411 (OLD MINTZ HIGHWAY) [MP 0.00 - MP 1.63]	6	2	2WU	1.63	22	0.00	1.63										
<b>TOTAL FOR MAP NO. 25</b>								<b>1.63</b>													
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20821</b>								<b>10.61</b>								<b>885</b>	<b>230</b>	<b>230</b>	<b>8.85</b>	<b>445</b>	
2026CPT.03.12.20822	Sampson	26	SR-1643 / OAK GROVE CHURCH RD	FROM NC HWY 55 TO US HWY 13 [MP 0.00 - MP 2.93]	7	2	2WU	2.93	19	0.00	2.93										
<b>TOTAL FOR MAP NO. 26</b>								<b>2.93</b>													
2026CPT.03.12.20822	Sampson	27	SR-1933 / BEAMAN WOODS RD	FROM US HWY 421 TO SR 1924 (ROWAN RD) [MP 0.00 - MP 3.36]	7	2	2WU	3.36	21	0.00	3.36										
<b>TOTAL FOR MAP NO. 27</b>								<b>3.36</b>													
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20822</b>								<b>6.29</b>													
<b>GRAND TOTAL</b>								<b>32.22</b>					<b>4</b>	<b>2</b>	<b>375</b>	<b>15</b>	<b>2,215</b>	<b>567</b>	<b>567</b>	<b>42.45</b>	<b>1,120</b>

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	23

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E
								MI	FT			FERTILIZER FOR TEMPORARY SEEDING	MATting FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	INDUCTIVE LOOP SAWCUT
												TON	SY	LF	LF	AC	LB	TON	EA	LF
2026CPT.03.12.10821	Sampson	1	US-421 N NORTHWEST BLVD	FROM 0.05 MI N OF SR 1356 (NORTH BLVD) TO 0.04 MI N OF SR 1834 (INDUSTRIAL DR) [MP 27.37 - MP 27.65]	2	4	MD	0.28	62	27.37	27.65									
<b>TOTAL FOR MAP NO. 1</b>								<b>0.28</b>												
2026CPT.03.12.10821	Sampson	2	US-421 N NORTHWEST BLVD	FROM 0.05 MI S OF SR 1356 (NORTH BLVD) TO 0.05 MI N OF SR 1356 (NORTH BLVD) [MP 27.27 - MP 27.37]	1	2	MD	0.10	62	27.27	27.37									600
<b>TOTAL FOR MAP NO. 2</b>								<b>0.10</b>												<b>600</b>
2026CPT.03.12.10821	Sampson	3	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.05 MI S OF SR 1356 (NORTH BLVD) [MP 26.97 - MP 27.27]	2	2	MD	0.30	62	26.97	27.27									
<b>TOTAL FOR MAP NO. 3</b>								<b>0.30</b>												
2026CPT.03.12.10821	Sampson	4	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.63 MILES SOUTH ON US-421 N (NORTHWEST BLVD) [MP 26.97 - MP 26.34]	3	2	MD	0.63	25-72	26.97	26.34	0.10	10	20	10	0.10	20	0.10	2	
<b>TOTAL FOR MAP NO. 4</b>								<b>0.63</b>				<b>0.10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>0.10</b>	<b>20</b>	<b>0.10</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	5	US-421 S NORTHWEST BLVD	FROM 0.01 MI S OF SR 1839 (MCCOY ST) TO 0.61 MILES SOUTH ON US-421 S (NORTHWEST BLVD) [MP 23.81 - MP 24.42]	3	2	MD	0.61	25-72	23.81	24.42	0.20	10	45	20	0.85	45	0.20	2	
<b>TOTAL FOR MAP NO. 5</b>								<b>0.61</b>				<b>0.20</b>	<b>10</b>	<b>45</b>	<b>20</b>	<b>0.85</b>	<b>45</b>	<b>0.20</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	6	US-701 HWY N (BYPASS)	FROM DIVIDED SECTION TO US HWY 701 [MP 19.28 - MP 21.88]	4	2	MD	2.60	32	19.28	21.88	0.60	20	115	40	2.25	115	0.60	5	
<b>TOTAL FOR MAP NO. 6</b>								<b>2.60</b>				<b>0.60</b>	<b>20</b>	<b>115</b>	<b>40</b>	<b>2.25</b>	<b>115</b>	<b>0.60</b>	<b>5</b>	
2026CPT.03.12.10821	Sampson	7	US-701 HWY S (BYPASS)	FROM US HWY 701 TO DIVIDED SECTION [MP 16.37 - MP 19.10]	4	2	MD	2.73	32	16.37	19.10	0.60	20	115	40	2.25	115	0.60	5	
<b>TOTAL FOR MAP NO. 7</b>								<b>2.73</b>				<b>0.60</b>	<b>20</b>	<b>115</b>	<b>40</b>	<b>2.25</b>	<b>115</b>	<b>0.60</b>	<b>5</b>	
2026CPT.03.12.10821	Sampson	8	US-701 N RAMP 491	FROM SR 1356 (NORTH BLVD) TO US HWY 701 N [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	0.05	10	10	10	0.05	10	0.05	2	
<b>TOTAL FOR MAP NO. 8</b>								<b>0.25</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.05</b>	<b>10</b>	<b>0.05</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	9	US-701 S RAMP 492	FROM US HWY 701 S TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.29]	5	2	MD	0.29	24	0.00	0.29	0.05	10	10	10	0.05	10	0.05	2	
<b>TOTAL FOR MAP NO. 9</b>								<b>0.29</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.05</b>	<b>10</b>	<b>0.05</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	10	US-701 N RAMP 490	FROM US HWY 701 N TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	0.05	10	10	10	0.05	10	0.05	2	
<b>TOTAL FOR MAP NO. 10</b>								<b>0.25</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.05</b>	<b>10</b>	<b>0.05</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	11	US-701 S RAMP 493	FROM SR 1356 (NORTH BLVD) TO US HWY 701 S [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	0.05	10	10	10	0.05	10	0.05	2	
<b>TOTAL FOR MAP NO. 11</b>								<b>0.25</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.05</b>	<b>10</b>	<b>0.05</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	12	US-421 N FAIRCLOTH FWY	FROM 0.25 MI SE OF US HWY 701 BUS (SOUTHEAST BLVD) TO 0.37 MI NW OF SR 1214 (ELIZABETH ST) [MP 22.83 - MP 25.49]	4	2	MD	2.66	32	22.83	25.49	0.65	20	135	40	2.60	135	0.65	6	
<b>TOTAL FOR MAP NO. 12</b>								<b>2.66</b>				<b>0.65</b>	<b>20</b>	<b>135</b>	<b>40</b>	<b>2.60</b>	<b>135</b>	<b>0.65</b>	<b>6</b>	
2026CPT.03.12.10821	Sampson	13	US-421 S FAIRCLOTH FWY	FROM 0.37 MI SE OF SR 1296 (SUNSET AVE) TO 0.24 MI SE OF US HWY 701 (GARLAND HWY) [MP 25.27 - MP 27.93]	4	2	MD	2.66	32	25.27	27.93	0.65	20	135	40	2.60	135	0.65	6	
<b>TOTAL FOR MAP NO. 13</b>								<b>2.66</b>				<b>0.65</b>	<b>20</b>	<b>135</b>	<b>40</b>	<b>2.60</b>	<b>135</b>	<b>0.65</b>	<b>6</b>	
2026CPT.03.12.10821	Sampson	14	US-421 N FAIRCLOTH FWY RAMP 500	FROM US HWY 421 N (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.32]	5	2	MD	0.32	24	0.00	0.32	0.05	10	10	10	0.20	10	0.05	2	
<b>TOTAL FOR MAP NO. 14</b>								<b>0.32</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	15	US-421 S FAIRCLOTH FWY RAMP 502	FROM US HWY 421 S (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30	0.05	10	10	10	0.20	10	0.05		
<b>TOTAL FOR MAP NO. 15</b>								<b>0.30</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>		

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	24

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E	
								MI	FT			FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	INDUCTIVE LOOP SAWCUT	
									TON	SY	LF	LF	AC	LB	TON	EA	LF				
2026CPT.03.12.10821	Sampson	16	US-421 N (FAIRCLOTH FWY) RAMP 501	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 N (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	19	0.00	0.22	0.05	10	10	10	0.20	10	0.05	2		
<b>TOTAL FOR MAP NO. 16</b>								<b>0.22</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>		
2026CPT.03.12.10821	Sampson	17	US-421 S FAIRCLOTH FWY RAMP 503	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	20	0.00	0.22	0.05	10	10	10	0.20	10	0.05	2		
<b>TOTAL FOR MAP NO. 17</b>								<b>0.22</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>		
2026CPT.03.12.10821	Sampson	18	US-421 N FAIRCLOTH FWY RAMP 498	FROM US HWY 421 N (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30	0.05	10	10	10	0.20	10	0.05	2		
<b>TOTAL FOR MAP NO. 18</b>								<b>0.30</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>		
2026CPT.03.12.10821	Sampson	19	US-421 S FAIRCLOTH FWY RAMP 6130	FROM US HWY 421 S (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.16]	5	2	MD	0.16	24	0.00	0.16	0.05	10	10	10	0.20	10	0.05	2		
<b>TOTAL FOR MAP NO. 19</b>								<b>0.16</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>		
2026CPT.03.12.10821	Sampson	20	US-421 S FAIRCLOTH FWY RAMP 499	FROM SR 1227 (TRAM RD) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.19]	5	2	MD	0.19	25	0.00	0.19	0.05	10	10	10	0.20	10	0.05	2		
<b>TOTAL FOR MAP NO. 20</b>								<b>0.19</b>				<b>0.05</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.20</b>	<b>10</b>	<b>0.05</b>	<b>2</b>		
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.10821</b>								<b>15.32</b>				<b>3.35</b>	<b>210</b>	<b>675</b>	<b>300</b>	<b>12.25</b>	<b>675</b>	<b>3.35</b>	<b>46</b>	<b>600</b>	
2026CPT.03.12.20821	Sampson	21	SR-1644 / S ELDRIDGE RD	FROM SR 1643 (OAK GROVE CHURCH RD) TO US HWY 13 [MP 0.00 - MP 1.75]	6	2	2WU	1.75	20	0.00	1.75	0.45	20	90	30	1.70	90	0.45	4		
<b>TOTAL FOR MAP NO. 21</b>								<b>1.75</b>				<b>0.45</b>	<b>20</b>	<b>90</b>	<b>30</b>	<b>1.70</b>	<b>90</b>	<b>0.45</b>	<b>4</b>		
2026CPT.03.12.20821	Sampson	22	SR-1635 / MAPLE GROVE CHURCH RD	FROM SR 1620 (TIMOTHY RD) TO SR 1643 (OAK GROVE CHURCH RD) [MP 0.00 - MP 2.57]	6	2	2WU	2.57	21	0.00	2.57	0.65	20	125	40	2.40	125	0.65	5		
<b>TOTAL FOR MAP NO. 22</b>								<b>2.57</b>				<b>0.65</b>	<b>20</b>	<b>125</b>	<b>40</b>	<b>2.40</b>	<b>125</b>	<b>0.65</b>	<b>5</b>		
2026CPT.03.12.20821	Sampson	23	SR-1711 / WILLIAM R KING RD	FROM SR 1845 (CEDAR POINT RD) TO SR 1722 (SUTTONTOWN RD) [MP 4.00 - MP 6.92]	6	2	2WU	2.92	19	4.00	6.92	0.75	20	145	50	2.80	145	0.75	6		
<b>TOTAL FOR MAP NO. 23</b>								<b>2.92</b>				<b>0.75</b>	<b>20</b>	<b>145</b>	<b>50</b>	<b>2.80</b>	<b>145</b>	<b>0.75</b>	<b>6</b>		
2026CPT.03.12.20821	Sampson	24	SR-1724 / KENAN WEEKS RD	FROM US HWY 701 TO SR 1711 (WILLIAM R KING RD) [MP 0.00 - MP 1.74]	6	2	2WU	1.74	20	0.00	1.74	0.45	20	85	30	1.65	85	0.45	4		
<b>TOTAL FOR MAP NO. 24</b>								<b>1.74</b>				<b>0.45</b>	<b>20</b>	<b>85</b>	<b>30</b>	<b>1.65</b>	<b>85</b>	<b>0.45</b>	<b>4</b>		
2026CPT.03.12.20821	Sampson	25	SR-1215 / MINTZ RD	FROM END OF MAINTAINCE TO NC HWY 411 (OLD MINTZ HIGHWAY) [MP 0.00 - MP 1.63]	6	2	2WU	1.63	22	0.00	1.63										
<b>TOTAL FOR MAP NO. 25</b>								<b>1.63</b>													
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20821</b>								<b>10.61</b>				<b>2.30</b>	<b>80</b>	<b>445</b>	<b>150</b>	<b>8.55</b>	<b>445</b>	<b>2.30</b>	<b>19</b>		
2026CPT.03.12.20822	Sampson	26	SR-1643 / OAK GROVE CHURCH RD	FROM NC HWY 55 TO US HWY 13 [MP 0.00 - MP 2.93]	7	2	2WU	2.93	19	0.00	2.93										
<b>TOTAL FOR MAP NO. 26</b>								<b>2.93</b>													
2026CPT.03.12.20822	Sampson	27	SR-1933 / BEAMAN WOODS RD	FROM US HWY 421 TO SR 1924 (ROWAN RD) [MP 0.00 - MP 3.36]	7	2	2WU	3.36	21	0.00	3.36										
<b>TOTAL FOR MAP NO. 27</b>								<b>3.36</b>													
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20822</b>								<b>6.29</b>													
<b>GRAND TOTAL</b>								<b>32.22</b>				<b>5.65</b>	<b>290</b>	<b>1,120</b>	<b>450</b>	<b>20.80</b>	<b>1,120</b>	<b>5.65</b>	<b>65</b>	<b>600</b>	

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	25

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4420000000-N	4457000000-N	4685000000-E		4688000000-E		4700000000-E	4709000000-E	4725000000-E
								MI	FT			WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	PORT CHANG MSG SIGN	TEMPORARY TRAFFIC CONTROL	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	12" X 90 M WHITE THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO LT ARROW (90 MIL)
												SF	EA	LS	LF	LF	LF	LF	LF	LF	EA
2026CPT.03.12.10821	Sampson	1	US-421 N NORTHWEST BLVD	FROM 0.05 MI N OF SR 1356 (NORTH BLVD) TO 0.04 MI N OF SR 1834 (INDUSTRIAL DR) [MP 27.37 - MP 27.65]	2	4	MD	0.28	62	27.37	27.65	320		1.00		3,685	145			10	
<b>TOTAL FOR MAP NO. 1</b>								<b>0.28</b>				<b>320</b>		<b>1.00</b>		<b>3,685</b>	<b>145</b>			<b>10</b>	
2026CPT.03.12.10821	Sampson	2	US-421 N NORTHWEST BLVD	FROM 0.05 MI S OF SR 1356 (NORTH BLVD) TO 0.05 MI N OF SR 1356 (NORTH BLVD) [MP 27.27 - MP 27.37]	1	2	MD	0.10	62	27.27	27.37	100		*		843	447		93	2	
<b>TOTAL FOR MAP NO. 2</b>								<b>0.10</b>				<b>100</b>				<b>843</b>	<b>447</b>		<b>93</b>	<b>2</b>	
2026CPT.03.12.10821	Sampson	3	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.05 MI S OF SR 1356 (NORTH BLVD) [MP 26.97 - MP 27.27]	2	2	MD	0.30	62	26.97	27.27	227		*		3,808	937			10	
<b>TOTAL FOR MAP NO. 3</b>								<b>0.30</b>				<b>227</b>				<b>3,808</b>	<b>937</b>			<b>10</b>	
2026CPT.03.12.10821	Sampson	4	US-421 N NORTHWEST BLVD	FROM SR 1839 (MCCOY ST) TO 0.63 MILES SOUTH ON US-421 N (NORTHWEST BLVD) [MP 26.97 - MP 26.34]	3	2	MD	0.63	25-72	26.97	26.34	80	1	*		3,230	3,108	224			
<b>TOTAL FOR MAP NO. 4</b>								<b>0.63</b>				<b>80</b>	<b>1</b>			<b>3,230</b>	<b>3,108</b>	<b>224</b>			
2026CPT.03.12.10821	Sampson	5	US-421 S NORTHWEST BLVD	FROM 0.01 MI S OF SR 1839 (MCCOY ST) TO 0.61 MILES SOUTH ON US-421 S (NORTHWEST BLVD) [MP 23.81 - MP 24.42]	3	2	MD	0.61	25-72	23.81	24.42	80	1	*		3,245	3,574	1,086			
<b>TOTAL FOR MAP NO. 5</b>								<b>0.61</b>				<b>80</b>	<b>1</b>			<b>3,245</b>	<b>3,574</b>	<b>1,086</b>			
2026CPT.03.12.10821	Sampson	6	US-701 HWY N (BYPASS)	FROM DIVIDED SECTION TO US HWY 701 [MP 19.28 - MP 21.88]	4	2	MD	2.60	32	19.28	21.88	272		*		13,218	15,963	1,133			
<b>TOTAL FOR MAP NO. 6</b>								<b>2.60</b>				<b>272</b>				<b>13,218</b>	<b>15,963</b>	<b>1,133</b>			
2026CPT.03.12.10821	Sampson	7	US-701 HWY S (BYPASS)	FROM US HWY 701 TO DIVIDED SECTION [MP 16.37 - MP 19.10]	4	2	MD	2.73	32	16.37	19.10	272		*		13,269	16,635	1,103			
<b>TOTAL FOR MAP NO. 7</b>								<b>2.73</b>				<b>272</b>				<b>13,269</b>	<b>16,635</b>	<b>1,103</b>			
2026CPT.03.12.10821	Sampson	8	US-701 N RAMP 491	FROM SR 1356 (NORTH BLVD) TO US HWY 701 N [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	32	1	*	1,055	1,055					
<b>TOTAL FOR MAP NO. 8</b>								<b>0.25</b>				<b>32</b>	<b>1</b>			<b>1,055</b>	<b>1,055</b>				
2026CPT.03.12.10821	Sampson	9	US-701 S RAMP 492	FROM US HWY 701 S TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.29]	5	2	MD	0.29	24	0.00	0.29	32	1	*	1,002	1,107			105	1	
<b>TOTAL FOR MAP NO. 9</b>								<b>0.29</b>				<b>32</b>	<b>1</b>			<b>1,002</b>	<b>1,107</b>			<b>105</b>	<b>1</b>
2026CPT.03.12.10821	Sampson	10	US-701 N RAMP 490	FROM US HWY 701 N TO SR 1356 (NORTH BLVD) [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	32		*	835	925			90	1	
<b>TOTAL FOR MAP NO. 10</b>								<b>0.25</b>				<b>32</b>				<b>835</b>	<b>925</b>			<b>90</b>	<b>1</b>
2026CPT.03.12.10821	Sampson	11	US-701 S RAMP 493	FROM SR 1356 (NORTH BLVD) TO US HWY 701 S [MP 0.00 - MP 0.25]	5	2	MD	0.25	25	0.00	0.25	32		*	986	996			10		
<b>TOTAL FOR MAP NO. 11</b>								<b>0.25</b>				<b>32</b>				<b>986</b>	<b>996</b>			<b>10</b>	
2026CPT.03.12.10821	Sampson	12	US-421 N FAIRCLOTH FWY	FROM 0.25 MI SE OF US HWY 701 BUS (SOUTHEAST BLVD) TO 0.37 MI NW OF SR 1214 (ELIZABETH ST) [MP 22.83 - MP 25.49]	4	2	MD	2.66	32	22.83	25.49	320		*		14,071	18,036	1,246			
<b>TOTAL FOR MAP NO. 12</b>								<b>2.66</b>				<b>320</b>				<b>14,071</b>	<b>18,036</b>	<b>1,246</b>			
2026CPT.03.12.10821	Sampson	13	US-421 S FAIRCLOTH FWY	FROM 0.37 MI SE OF SR 1296 (SUNSET AVE) TO 0.24 MI SE OF US HWY 701 (GARLAND HWY) [MP 25.27 - MP 27.93]	4	2	MD	2.66	32	25.27	27.93	320		*		14,071	18,356	1,969			
<b>TOTAL FOR MAP NO. 13</b>								<b>2.66</b>				<b>320</b>				<b>14,071</b>	<b>18,356</b>	<b>1,969</b>			
2026CPT.03.12.10821	Sampson	14	US-421 N FAIRCLOTH FWY RAMP 500	FROM US HWY 421 N (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.32]	5	2	MD	0.32	24	0.00	0.32	32		*	875	1,400			50		
<b>TOTAL FOR MAP NO. 14</b>								<b>0.32</b>				<b>32</b>				<b>875</b>	<b>1,400</b>			<b>50</b>	
2026CPT.03.12.10821	Sampson	15	US-421 S FAIRCLOTH FWY RAMP 502	FROM US HWY 421 S (FAIRCLOTH FWY) TO US HWY 701 BUS (GARLAND HWY) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30	32	1	*	875	1,230			45		
<b>TOTAL FOR MAP NO. 15</b>								<b>0.30</b>				<b>32</b>	<b>1</b>			<b>875</b>	<b>1,230</b>			<b>45</b>	

PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	26

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4420000000-N	4457000000-N	4685000000-E		4688000000-E		4700000000-E	4709000000-E	4725000000-E	
								MI	FT	SF	EA	LS	LF	LF	LF	LF	LF	EA				
2026CPT.03.12.10821	Sampson	16	US-421 N (FAIRCLOTH FWY) RAMP 501	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 N (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	19	0.00	0.22	32	1	*	485				10			
<b>TOTAL FOR MAP NO. 16</b>								<b>0.22</b>				<b>32</b>	<b>1</b>			<b>485</b>			<b>10</b>			
2026CPT.03.12.10821	Sampson	17	US-421 S FAIRCLOTH FWY RAMP 503	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	20	0.00	0.22	32		*	600				20			
<b>TOTAL FOR MAP NO. 17</b>								<b>0.22</b>				<b>32</b>				<b>600</b>			<b>20</b>			
2026CPT.03.12.10821	Sampson	18	US-421 N FAIRCLOTH FWY RAMP 498	FROM US HWY 421 N (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30	32	1	*	1,477	1,393			80	50		
<b>TOTAL FOR MAP NO. 18</b>								<b>0.30</b>				<b>32</b>	<b>1</b>			<b>1,477</b>	<b>1,393</b>			<b>80</b>	<b>50</b>	
2026CPT.03.12.10821	Sampson	19	US-421 S FAIRCLOTH FWY RAMP 6130	FROM US HWY 421 S (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.16]	5	2	MD	0.16	24	0.00	0.16	32	1	*	575	600				60		
<b>TOTAL FOR MAP NO. 19</b>								<b>0.16</b>				<b>32</b>	<b>1</b>			<b>575</b>	<b>600</b>			<b>60</b>		
2026CPT.03.12.10821	Sampson	20	US-421 S FAIRCLOTH FWY RAMP 499	FROM SR 1227 (TRAM RD) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.19]	5	2	MD	0.19	25	0.00	0.19	32		*	700	750				30		
<b>TOTAL FOR MAP NO. 20</b>								<b>0.19</b>				<b>32</b>				<b>700</b>	<b>750</b>			<b>30</b>		
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.10821</b>								<b>15.32</b>				<b>2,343</b>	<b>8</b>	<b>1.00</b>		<b>9,465</b>	<b>9,456</b>	<b>69,440</b>	<b>77,201</b>	<b>7,201</b>	<b>203</b>	<b>24</b>
															<b>18,921</b>	<b>146,641</b>						
2026CPT.03.12.20821	Sampson	21	SR-1644 / S ELDRIDGE RD	FROM SR 1643 (OAK GROVE CHURCH RD) TO US HWY 13 [MP 0.00 - MP 1.75]	6	2	2WU	1.75	20	0.00	1.75	208		*	10,098	18,638						
<b>TOTAL FOR MAP NO. 21</b>								<b>1.75</b>				<b>208</b>				<b>10,098</b>	<b>18,638</b>					
2026CPT.03.12.20821	Sampson	22	SR-1635 / MAPLE GROVE CHURCH RD	FROM SR 1620 (TIMOTHY RD) TO SR 1643 (OAK GROVE CHURCH RD) [MP 0.00 - MP 2.57]	6	2	2WU	2.57	21	0.00	2.57	288		*	11,503	26,514						
<b>TOTAL FOR MAP NO. 22</b>								<b>2.57</b>				<b>288</b>				<b>11,503</b>	<b>26,514</b>					
2026CPT.03.12.20821	Sampson	23	SR-1711 / WILLIAM R KING RD	FROM SR 1845 (CEDAR POINT RD) TO SR 1722 (SUTTONTOWN RD) [MP 4.00 - MP 6.92]	6	2	2WU	2.92	19	4.00	6.92	336		*	25,115	30,630						
<b>TOTAL FOR MAP NO. 23</b>								<b>2.92</b>				<b>336</b>				<b>25,115</b>	<b>30,630</b>					
2026CPT.03.12.20821	Sampson	24	SR-1724 / KENAN WEEKS RD	FROM US HWY 701 TO SR 1711 (WILLIAM R KING RD) [MP 0.00 - MP 1.74]	6	2	2WU	1.74	20	0.00	1.74	192		*	10,262	17,974						
<b>TOTAL FOR MAP NO. 24</b>								<b>1.74</b>				<b>192</b>				<b>10,262</b>	<b>17,974</b>					
2026CPT.03.12.20821	Sampson	25	SR-1215 / MINTZ RD	FROM END OF MAINTAINCE TO NC HWY 411 (OLD MINTZ HIGHWAY) [MP 0.00 - MP 1.63]	6	2	2WU	1.63	22	0.00	1.63			*	11,449	16,928						
<b>TOTAL FOR MAP NO. 25</b>								<b>1.63</b>								<b>11,449</b>	<b>16,928</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20821</b>								<b>10.61</b>				<b>1,024</b>				<b>68,427</b>	<b>110,684</b>					
															<b>179,111</b>							
2026CPT.03.12.20822	Sampson	26	SR-1643 / OAK GROVE CHURCH RD	FROM NC HWY 55 TO US HWY 13 [MP 0.00 - MP 2.93]	7	2	2WU	2.93	19	0.00	2.93	336		*	18,510	30,600						
<b>TOTAL FOR MAP NO. 26</b>								<b>2.93</b>				<b>336</b>				<b>18,510</b>	<b>30,600</b>					
2026CPT.03.12.20822	Sampson	27	SR-1933 / BEAMAN WOODS RD	FROM US HWY 421 TO SR 1924 (ROWAN RD) [MP 0.00 - MP 3.36]	7	2	2WU	3.36	21	0.00	3.36	352		*	19,428	32,408						
<b>TOTAL FOR MAP NO. 27</b>								<b>3.36</b>				<b>352</b>				<b>19,428</b>	<b>32,408</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20822</b>								<b>6.29</b>				<b>688</b>				<b>37,938</b>	<b>63,008</b>					
															<b>100,946</b>							
<b>GRAND TOTAL</b>								<b>32.22</b>				<b>4,055</b>	<b>8</b>	<b>1</b>		<b>115,830</b>	<b>183,148</b>	<b>69,440</b>	<b>77,201</b>	<b>7,201</b>	<b>203</b>	<b>24</b>
															<b>298,978</b>	<b>146,641</b>						



PROJECT NO.	SHEET NO.
2026CPT.03.12.10821, ETC.	28

# THERMOPLASTIC AND PAINT QUANTITIES

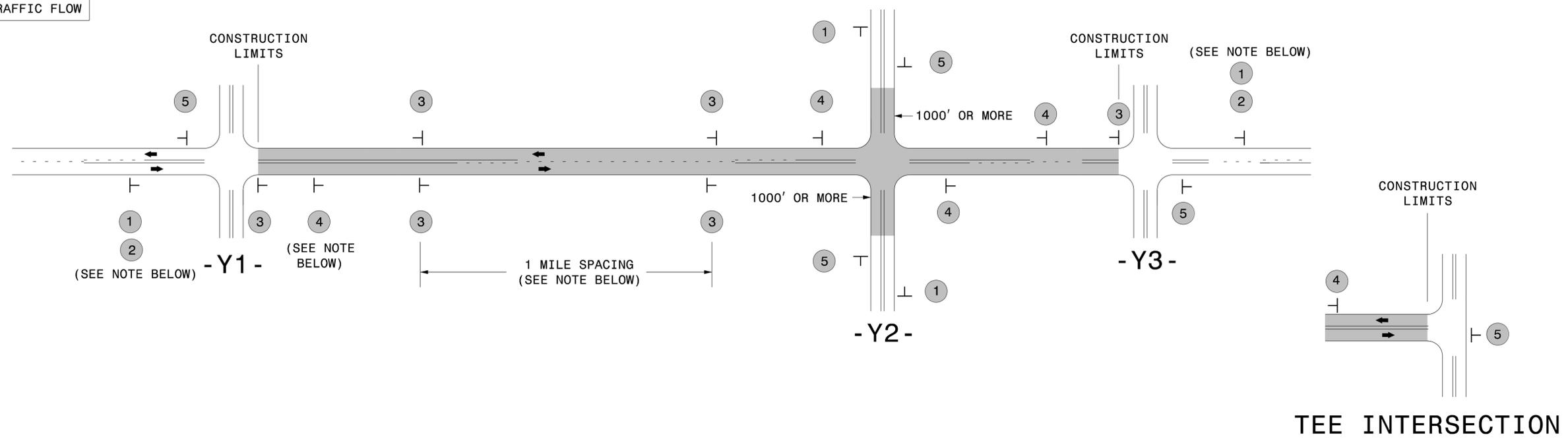
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4725000000-E					5255000000-N	4850000000-E	4890000000-E	4895000000-N	4900000000-N			
												THERMO RT ARROW (90 MIL)	THERMO STR & RT ARROW (90 MIL)	THERMO STR ARROW (90 MIL)	MERGE ARROW (90 MIL)	WRONG WAY RAMP ARROW (90 MIL)	PORTABLE LIGHTING	REMOVAL OF PAVEMENT MARKING LINES (4")	INTEGRATED MULTIPOLYMER PAVEMENT MARKING LINES (4", 90 MILS)	POLYCARBONATE H-SHAPED MARKERS	YELLOW & YELLOW MARKERS			
												EA	EA	EA	EA	EA	LS	LF	LF	EA	EA			
2026CPT.03.12.10821	Sampson	16	US-421 N (FAIRCLOTH FWY) RAMP 501	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 N (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	19	0.00	0.22						*							
<b>TOTAL FOR MAP NO. 16</b>								<b>0.22</b>																
2026CPT.03.12.10821	Sampson	17	US-421 S FAIRCLOTH FWY RAMP 503	FROM US HWY 701 BUS (GARLAND HWY) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.22]	5	2	MD	0.22	20	0.00	0.22						*							
<b>TOTAL FOR MAP NO. 17</b>								<b>0.22</b>																
2026CPT.03.12.10821	Sampson	18	US-421 N FAIRCLOTH FWY RAMP 498	FROM US HWY 421 N (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.30]	5	2	MD	0.30	24	0.00	0.30						1	*		12				
<b>TOTAL FOR MAP NO. 18</b>								<b>0.30</b>								<b>1</b>			<b>12</b>					
2026CPT.03.12.10821	Sampson	19	US-421 S FAIRCLOTH FWY RAMP 6130	FROM US HWY 421 S (FAIRCLOTH FWY) TO SR 1227 (TRAM RD) [MP 0.00 - MP 0.16]	5	2	MD	0.16	24	0.00	0.16						1	*		12				
<b>TOTAL FOR MAP NO. 19</b>								<b>0.16</b>								<b>1</b>			<b>12</b>					
2026CPT.03.12.10821	Sampson	20	US-421 S FAIRCLOTH FWY RAMP 499	FROM SR 1227 (TRAM RD) TO US HWY 421 S (FAIRCLOTH FWY) [MP 0.00 - MP 0.19]	5	2	MD	0.19	25	0.00	0.19							*						
<b>TOTAL FOR MAP NO. 20</b>								<b>0.19</b>																
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.10821</b>								<b>15.32</b>						<b>3</b>	<b>4</b>	<b>5</b>	<b>17</b>	<b>6</b>	<b>1</b>	<b>1,267</b>	<b>1,267</b>	<b>1,255</b>	<b>88</b>	
												<b>59</b>												
2026CPT.03.12.20821	Sampson	21	SR-1644 / S ELDRIDGE RD	FROM SR 1643 (OAK GROVE CHURCH RD) TO US HWY 13 [MP 0.00 - MP 1.75]	6	2	2WU	1.75	20	0.00	1.75										116			
<b>TOTAL FOR MAP NO. 21</b>								<b>1.75</b>													<b>116</b>			
2026CPT.03.12.20821	Sampson	22	SR-1635 / MAPLE GROVE CHURCH RD	FROM SR 1620 (TIMOTHY RD) TO SR 1643 (OAK GROVE CHURCH RD) [MP 0.00 - MP 2.57]	6	2	2WU	2.57	21	0.00	2.57										164			
<b>TOTAL FOR MAP NO. 22</b>								<b>2.57</b>													<b>164</b>			
2026CPT.03.12.20821	Sampson	23	SR-1711 / WILLIAM R KING RD	FROM SR 1845 (CEDAR POINT RD) TO SR 1722 (SUTTONTOWN RD) [MP 4.00 - MP 6.92]	6	2	2WU	2.92	19	4.00	6.92									1,040	1,040	191		
<b>TOTAL FOR MAP NO. 23</b>								<b>2.92</b>												<b>1,040</b>	<b>1,040</b>	<b>191</b>		
2026CPT.03.12.20821	Sampson	24	SR-1724 / KENAN WEEKS RD	FROM US HWY 701 TO SR 1711 (WILLIAM R KING RD) [MP 0.00 - MP 1.74]	6	2	2WU	1.74	20	0.00	1.74										112			
<b>TOTAL FOR MAP NO. 24</b>								<b>1.74</b>														<b>112</b>		
2026CPT.03.12.20821	Sampson	25	SR-1215 / MINTZ RD	FROM END OF MAINTAINCE TO NC HWY 411 (OLD MINTZ HIGHWAY) [MP 0.00 - MP 1.63]	6	2	2WU	1.63	22	0.00	1.63										106			
<b>TOTAL FOR MAP NO. 25</b>								<b>1.63</b>														<b>106</b>		
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20821</b>								<b>10.61</b>													<b>1,040</b>	<b>1,040</b>	<b>689</b>	
2026CPT.03.12.20822	Sampson	26	SR-1643 / OAK GROVE CHURCH RD	FROM NC HWY 55 TO US HWY 13 [MP 0.00 - MP 2.93]	7	2	2WU	2.93	19	0.00	2.93										191			
<b>TOTAL FOR MAP NO. 26</b>								<b>2.93</b>														<b>191</b>		
2026CPT.03.12.20822	Sampson	27	SR-1933 / BEAMAN WOODS RD	FROM US HWY 421 TO SR 1924 (ROWAN RD) [MP 0.00 - MP 3.36]	7	2	2WU	3.36	21	0.00	3.36									520	520	203		
<b>TOTAL FOR MAP NO. 27</b>								<b>3.36</b>														<b>520</b>	<b>520</b>	<b>203</b>
<b>TOTAL FOR PROJ NO. 2026CPT.03.12.20822</b>								<b>6.29</b>													<b>520</b>	<b>520</b>	<b>394</b>	
<b>GRAND TOTAL</b>								<b>32.22</b>						<b>3</b>	<b>4</b>	<b>5</b>	<b>17</b>	<b>6</b>	<b>1</b>	<b>2,827</b>	<b>2,827</b>	<b>1,255</b>	<b>1,171</b>	
												<b>59</b>												

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">                   W20-1                  48" X 48"             </div> <div style="text-align: center;">                   W20-7 A                  48" X 48"             </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER.      PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 NEXT XX MILES W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3	 LOW SOFT SHOULDER SP 13107 48" X 48"	<ul style="list-style-type: none"> <li>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</li> <li>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</li> </ul>	
	4	 ROAD UNDER CONST SP 13106 48" X 48"	<ul style="list-style-type: none"> <li>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</li> <li>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li> <li>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li> <li>- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</li> <li>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li> <li>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</li> </ul>	
	5	 END ROAD WORK G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

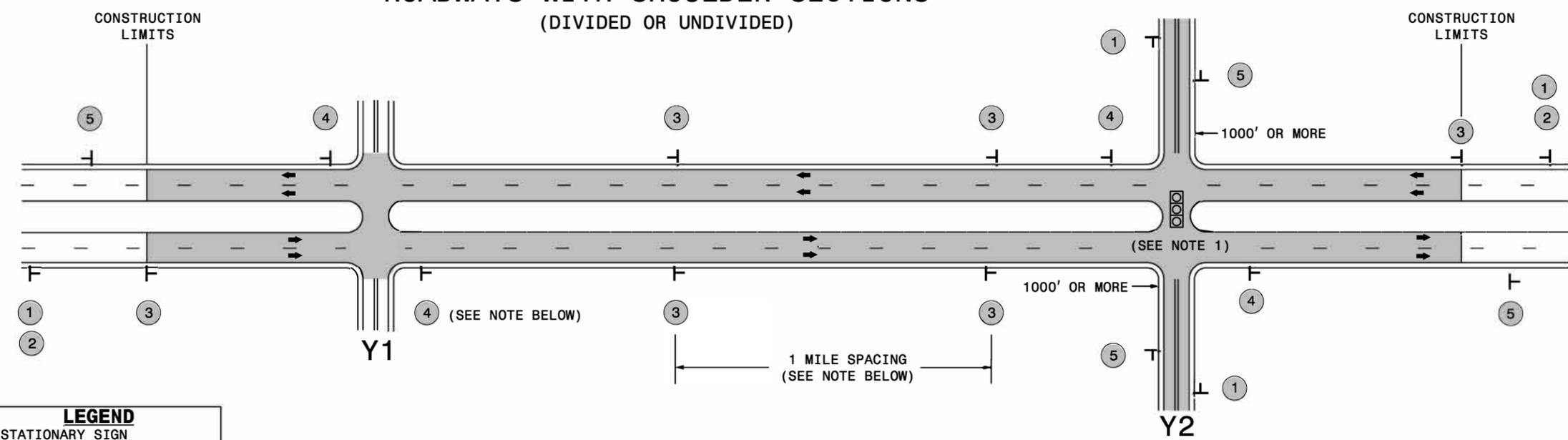
### MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**

## SIGNING FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS WITH SHOULDER SECTIONS (DIVIDED OR UNDIVIDED)



LEGEND	
└	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
1 2	 W20-1 48" X 48" W7-3aP 24" X 18"	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>
3	 SP 13107 48" X 48"	<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>
4	 SP 13106 48" X 48"	<p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>
5	 G20-2 A 48" X 24"	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>
		<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">             W20-1 48" X 48"         </div> <div style="text-align: center;">             W20-7 A 48" X 48"         </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</li> </ol>

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

**RESURFACING  
ADVANCE WARNING SIGNS  
FOR RURAL AND SUBURBAN  
MULTI-LANE ROADWAYS  
W/ SHOULDER SECTIONS  
(DIVIDED OR UNDIVIDED)**

2/24/2014 S:\TMU\WZTC\Resurf-facng\2013Resurf-facng\New\_Procedures\_05\_09\_2013\Resurf-facng\_AdvWarn\_Ur-Su\_Shldr.dgn User:rmgarr

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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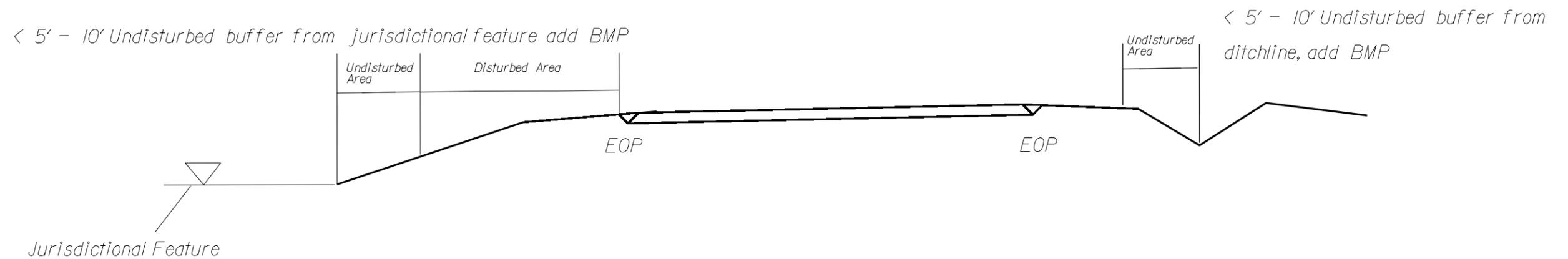
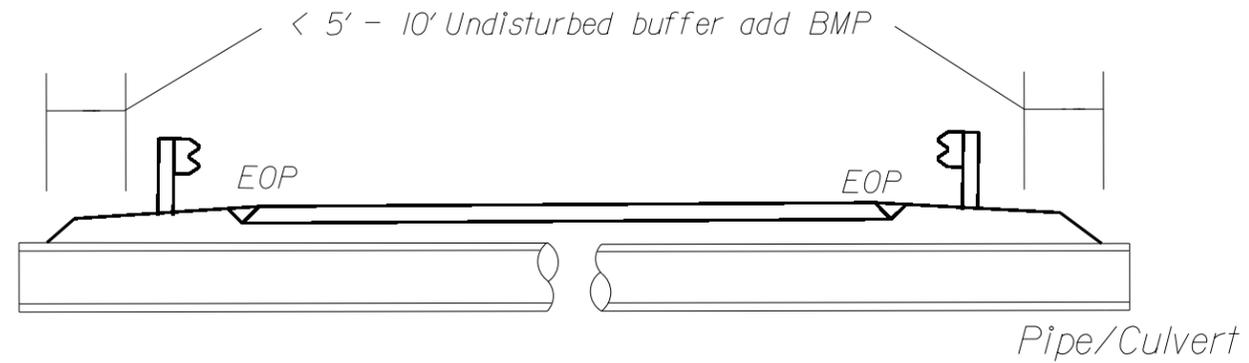
## ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

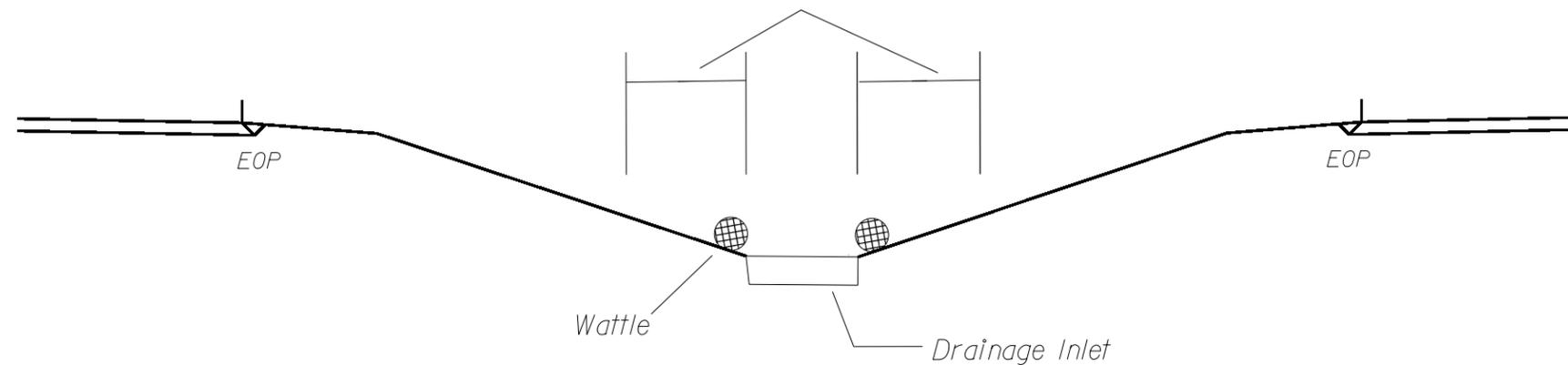
# EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE