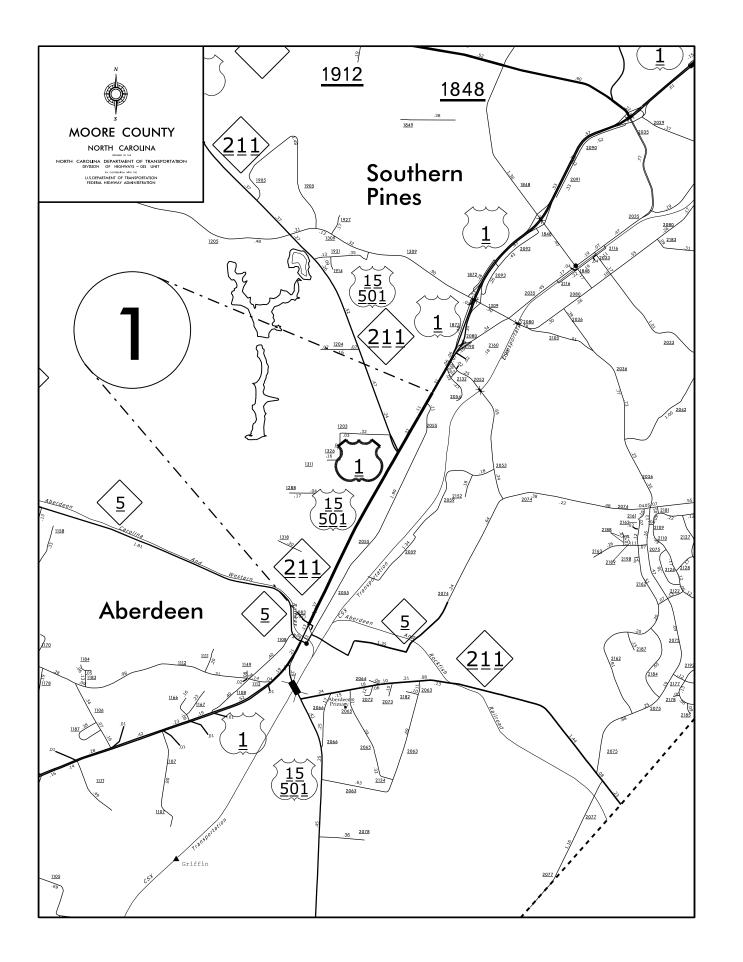
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WBS ELEMENT SHEET NO.

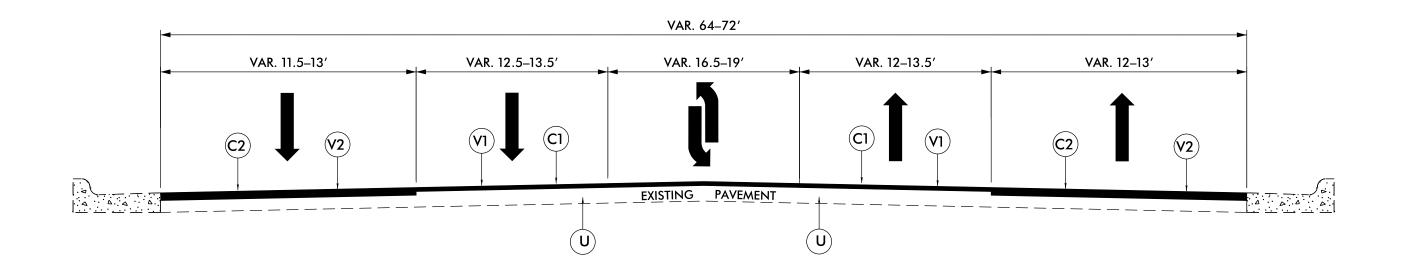
1
2021CPT.08.06.10631



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WBS ELEMENT SHEET NO.

2
2021CPT.08.06.10631



TYPICAL SECTION NO. 1

	PAVEMENT SCHEDULE
C1	PROPOSED APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE \$9.5C, AT AN AVERAGE RATE OF 168 LBS. PER \$Q. YD.
C2	PROPOSED APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE \$9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD, IN EACH OF TWO LAYERS.
U	EXISTING PAVEMENT
V1	1.5" MILLING
V2	3" MILLING

	25' OR AS DIRECTED		25' OR AS DIRECTED	
	BY THE ENGINEER		BY THE ENGINEER	
EXISTING PAVEMENT	SE MILL O" TO 1.5" DEPTH SE OF RESURFACING	RESURFACED PAVEMENT RESURFACED PAVEMENT	MILL 0" TO 1.5" DEPTH SILL SHAPE SHA	. —

** MILLING TO BE PAID FOR AS INCIDENTAL MILLING

PAVEMENT TIE-IN DETAIL

PROJECT NO.	SHEET NO.
2021CPT.08.06.10631	3

SUMMARY OF QUANTITIES

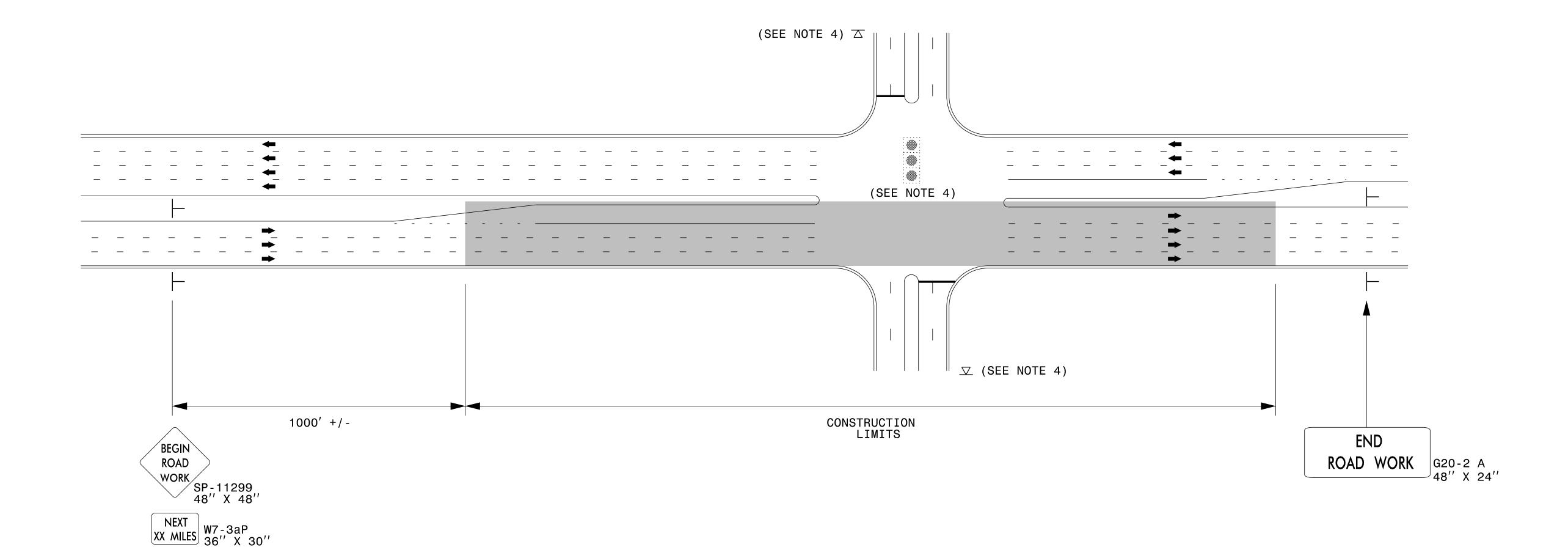
	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	FINAL	WARM	LENGTH	WIDTH	3"	1.5"	INC.	SURFACE	ASPHALT	ADJ. OF	ADJ. OF	PORTABLE	INDUCTIVE	LEAD-IN
2		NO			NO		TYPE	SURFACE	MIX			MILLING	MILLING	MILLING	COURSE,	BINDER	MAN-	METER	LIGHTING	LOOP	CABLE (14-2
								TESTING	ASPHALT						S9.5C	FOR	HOLES	OR		SAWCUT	PAIR)
PROIECT								REQUIRED	REQUIRED							PLANT		VALVE			
DR(MIX		вох			
										MI	FT	SY	SY	SY	TONS	TONS	EA	EA	LS	LF	LF
TQ,				FROM PVMT JT @ W																	
21CP				MAIN ST TO PVMT JT @																	
20.	Moore	1	US 1	SMITHFIELDS	1	5	MU	NO	NO	2.248	68	34,296	55,402	5,200	11,755	705	21	18	*	4,200	4,200
	GRAN	D TOT	AL FOR PI	ROJ NO. 2021CPT.08.06.	1063	1				2.248		34,296	55,402	5,200	11,755	705	21	18	1	4,200	4,200

THERMOPLASTIC AND PAINT QUANTITIES

									44130000	44570000	45100000	000 4685000000-E 470000000 47200000			472000000	4725000000-E				
	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	LENGTH	WIDTH	WZ ADV/	TEMP.	LAW	4" X 90	4" X 90 M	12" X 90	THERMO	THERM	THERMO	THERMO	THERMO
NO		NO			NO		TYPE			GEN.	TRAFFIC	ENFORCE	M	YELLOW	M	MSG	O LT	RT	STR & RT	STR
PROJECT										WARN.	CONTRO	MENT	WHITE	THERMO	YELLOW	SCHOOL	ARROW	ARROW	ARROW	ARROW 90
OE										SIGNING	L		THERMO		THERMO	90 M	90 M	90 M	90 M	M
PR																				
								MI	FT	SF	LS	HR	LF	LF	LF	EA	EA	EA	EA	EA
2021CPT.				FROM PVMT JT @ W																
210				MAIN ST TO PVMT JT @																
202	Moore	1	US 1	SMITHFIELDS	1	5	MU	2.248	68	126	*	160	5,936	25,938	450	72	81	9	14	21
	GRAND TOTAL FOR PROLING 2021CPT 08 06 10621										1	160	5,936	25,938	450	72	81	9	14	21
GRAND TOTAL FOR PROJ NO. 2021CPT.08.06.10631												31,	,874					125		

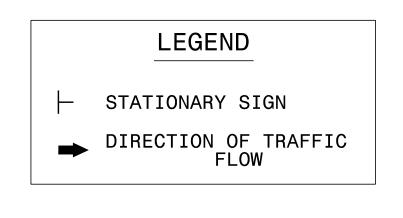
								481000	0000-Е	48250000	48350000	\$40000000		4845000	000-N		4891000000	490500	0000-N		
	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	LENGTH	WIDTH	4" WHITE	4"	12"	24"	PAINT	PAINT LT	PAINT RT	PAINT	PAINT	24" X 90 M	SNOW	SNOW
8		NO			NO		TYPE			PAINT	YELLOW	YELLOW	WHITE	MSG	ARROW	ARROW	STR &	STR	WHITE	PLOWABLE	PLOWABLE
15											PAINT	PAINT	PAINT	SCHOOL			RT	ARROW	THERMO	MARKERS	MARKERS Y
) JE																	ARROW			C & R	& Y
PROJECT																				MARKERS	MARKERS
								MI	FT	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	EA	EA
PT.				FROM PVMT JT @ W																	
21CPT				MAIN ST TO PVMT JT @																	
20.	Moore	1	US 1	SMITHFIELDS	1	5	MU	2.248	68	5,936	25,938	450	515	72	81	9	14	21	515	325	325
	CDANI	CRAND TOTAL FOR PROLING 2021CPT 08 05 10521							5,936	25,938	450	515	72	81	9	14	21	515	325	325	
	GRAND TOTAL FOR PROJ NO. 2021CPT.08.06.10631							31,874						125				6	50		

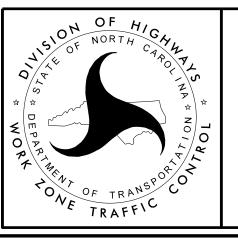
URBAN / SUBURBAN WORKZONES



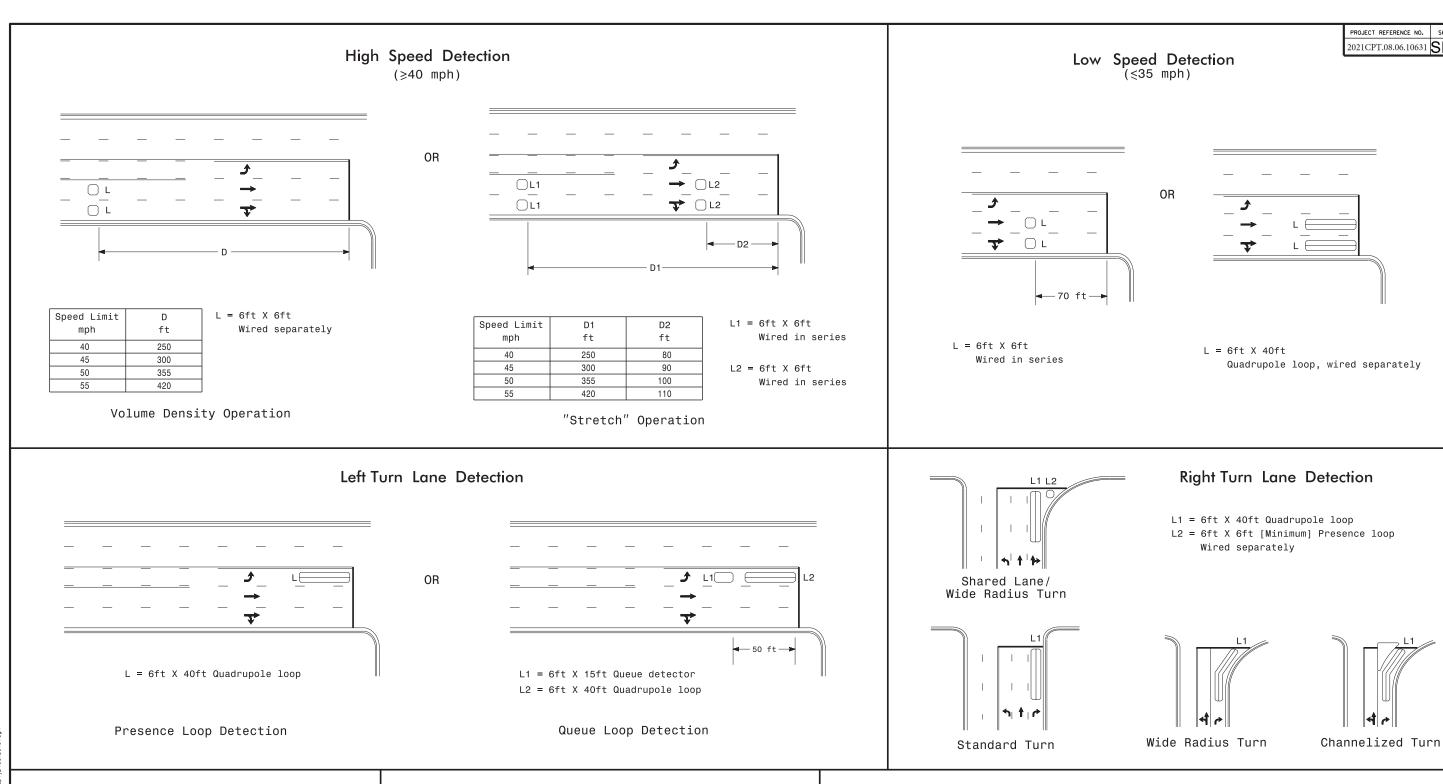
NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) 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.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS.THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

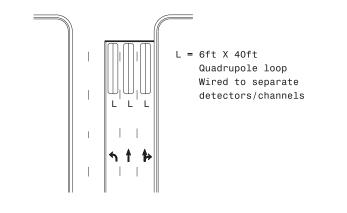




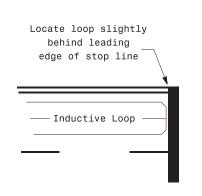
RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES







Presence Loop Placement at Stop Lines



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

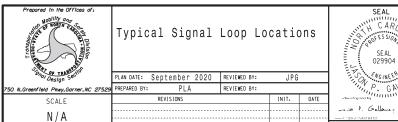
Recommended Number of Turns

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

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

Quadrupole loops: Use 2-4-2 turns



PROJECT REFERENCE NO. SHEET NO. 2021CPT.08.06.10631 SIG-1