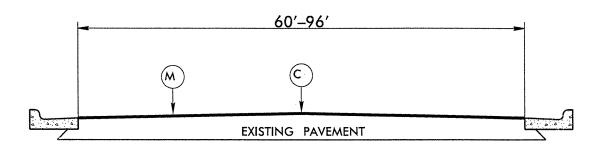
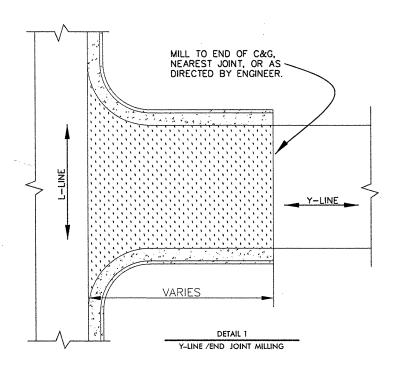
STATE STATE PROJECT REFERENCE NO. SHEET STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS N.C. R-5515 ROBESON COUNTY 5 STATE PROJ. NO. F.A. PROJ. NO. LOCATION: NC 211, LOCATED BETWEEN NC 72 AND SR 1997 R-551 45469.3.FR1 STP-0211(28) TYPE OF WORK: MILLING AND RESURFACING SITE **PROJE ROBESON** END PROJECT MAP 1 COUNTY VICINTY MAP C203440 SR 2104 Legend Project BEGIN PROJECT MAP 1 Primary Routes Secondary Routes MunicipalBoundaries CountyBoundary Date: 8/14/2013

 PROJECT	REFERENCE	NO.	SHEET	NO.
 R	-5515		2	



TYPICAL SECTION NO. 1

	PAVEMENT SCHEDULE
С	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
М	MILLING BITUMINOUS PAVEMENT. 1½" DEPTH. FULL WIDTH.



NOTE: INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE-INS, CURB RADII, AND STREET INTERSECTIONS, AS NEEDED, OR AS DIRECTED BY THE ENGINEER.

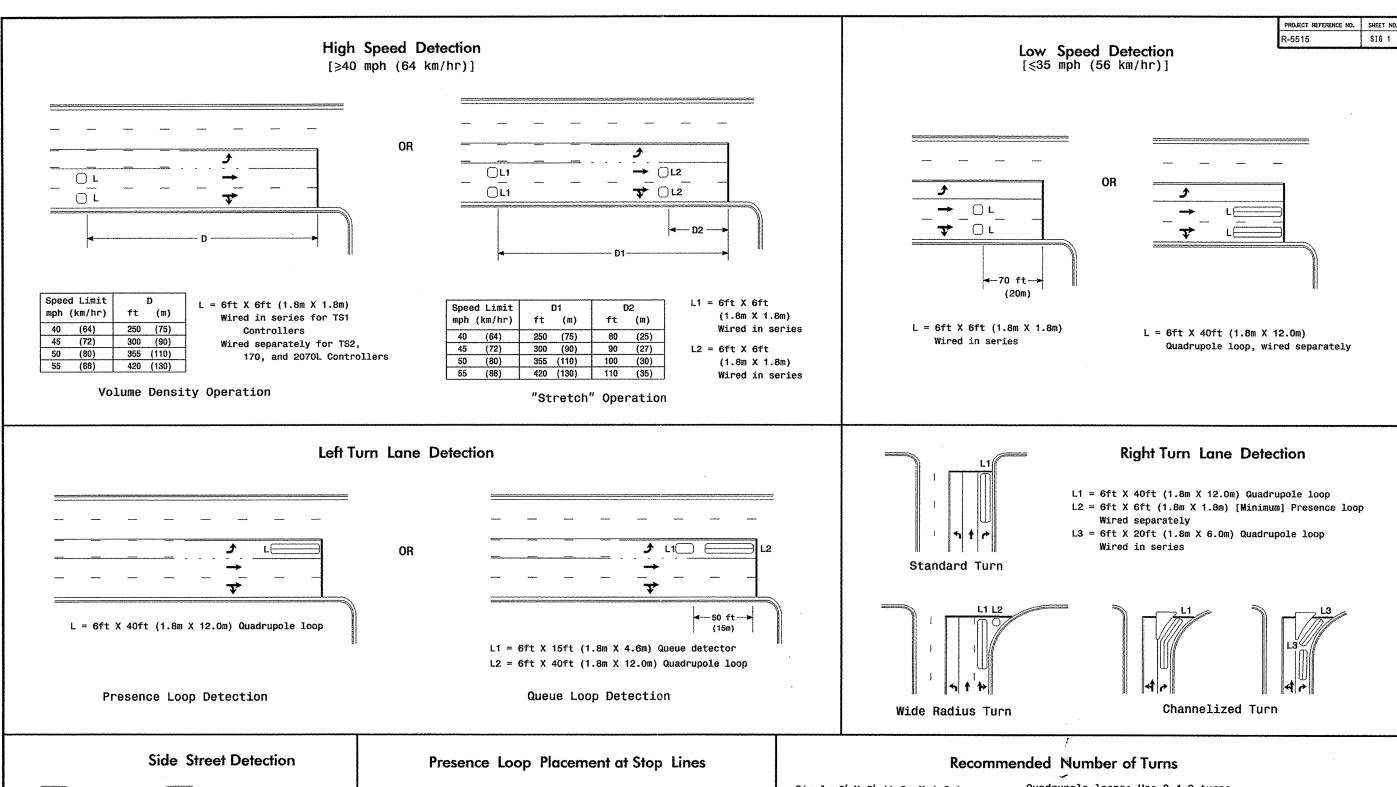
PROJECT NO.	SHEET NO.	TOTAL NO.
R-5515	3	

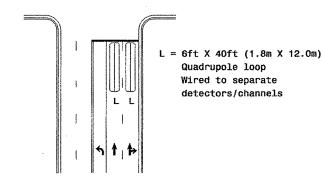
SUMMARY OF QUANTITIES

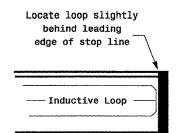
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ROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL	WARM MIX	LENGTH	WIDTH	1%" MILLING	INCIDENTAL	SURFACE	ASPHALT	PATCHING	ADJ. OF	ADJ. OF	PAVED	UNPAVED	JUNCTION	JUNCTION	2" RISER	INDUCTIVE	LEAD-I
						SURFACE	ASPHALT				MILLING	COURSE,	BINDER FOR	EXISTING	MANHOLES	METER OR	TRENCHING	TRENCHING	вох	BOX (OVER-	WITH	LOOP SAWCUT	CABLE
						TESTING	REQUIRED					S9.5C	PLANT MIX	PAVEMENT		VALVE BOX	(1 CONDUIT-	(1 CONDUIT	(STANDARD	SIZED, HEA-	WEATHERHE		2)
						REQUIRED	1 ' 1										2")	2")	SIZE)	VY DUTY)	AD		
NO		NO			NO			MI	FT	SY	SY	TONS	TON5	TONS	EA	EA	LF	LF	EA	EA	EA	LF	LF
		 		FROM CONST JNT SOUT OF RXR (MP																			
5515	Robeson	1	NC 211	10.1) TO NC 72 (MP 7.73)	1	NO	NO	1.3	60	55,800	2,000	4,069	240	20	25	5	30.00	300.00	3	3	3	3,500.00	300.0
				FROM CONST JNT SOUT OF RXR TO																			
			n	NC 72	1	NO	NO	0.5	72	21,120		1,995	118	15		i							
			1	FROM CONSTUNT SOUT OF RXR TO	1																		
		и		NC 72	1	NO	NO	0.5	84	24,640		2,603	154	15									
TO	TAL FOR M	AP NO	. 1					2.3		101,560	2,000	8,667	512	50	25	5	30	300	3	3	3	3,500	300
TOTAL	FOR PROJ	NO. R-	-5515		T			2.3		101,560	2,000	8,667	512	50	25	5	30	300	3	3	3	3,500	300
																				·	,		
	CDAND	OTAL			1	1	1	2.2	1	101 560	2 000	9 667	512	50	25	=	30	300	1 2	1 2	1 2	3500	300

THERMOPLASTIC AND PAINT QUANTITIES

	T								4589000000-N	4595000000-E	4510000000-N	46860000	00-E	469500	0000-E	4710000000-E	4721000000-E		4725000000-	E	481000	0000-E	4820000000-E	490000	0000-N	5255000000-N
PROJEC	ст со	UNTY N	1AP	ROUTE	DESCRIPTION	TYP	LENGTH	WIDTH	GENERIC	GENERIC	LAW ENFORCEMENT	4" X 120 M	4" X 120	8" X 90 M	8" X 90 M	24" X 120 M	THERMO MSG	THERMO LT	THERMO RT	THERMO STR	4" WHITE	4" YELLOW	8" WHITE PAINT	CRYSTAL &	YELLOW &	PORTABLE
									TRAFFIC	SIGNING		WHITE THERMO	М	WHITE	YELLOW	WHITE THERMO	ONLY 120 M	ARROW	ARROW	ARROW 90	PAINT	PAINT		RED	YELLOW	LIGHTING
			- 1						CONTROL	ITEM WORK		İ .	YELLOW	THERMO	THERMO			90 M	90 M	м				MARKERS	MARKERS	1
		1	- 1						ITEM	ZONE	*		THERMO	-												1 1
1			- 1						TEMPORARY	ADVANCE																
		ĺ			•				TRAFFIC	GENERAL																1
									CONTROL	WARNING																
		ł							CONTROL	SIGNING																1
		١.	NO			NO			LS	SIGNING	HR	LF	1.5	LF	LF	LF	EA	EA	EA	EA	10	LF	LF	EA	EA	LS
NO			NO		FROM CONST JNT SOUT OF RXR (MP		 	ļ	1.3	3r	I IN	Lr	Lr	LF	Lr	L.	LA	LA	LA	LA	LF	L			LA	
	_ _	.	.			١. ١				400	100	0.500	27.500	450	125	400		101	32	26	8,600	27,500	450	450	325	1
R-551	5 Ro	beson	1	NC 211	10.1) TO N C 72 (MP 7.73)	1 1	1.3	60	1	126	120	8,600	27,500	450	125	400	4	101	32	20	8,600	27,500	450	430	323	1
	1	1	- 1		FROM CONST JNT SOUT OF RXR TO	1 1		!	1															1		
	- 1	1	"	и	NC 72	1	0.5	72						<u> </u>			,		<u> </u>							
					FROM CONST JNT SOUT OF RXR TO																					1
		1	"	tt	NC 72	1 1	0.5	84											1							
-	TOTAL	FOR MAP	NO.	1			2.3		1	126	120	8,600	27,500	450	125	400	4	101	32	26	8,600	27,500	450	450	325	1
						T	2.3		1	126	120	8,600	27,500	450	125	400	4	101	32	26	8,600	27,500	450	450	325	1
TO	TOTAL FOR PROJ NO. R-5515		5515		T			 	1		36,100	0	5	75				159	•	36,	100		7	75		
-																										
						П	2.3	T	1	126	120	8,600	27,500	450	125	400	4	101	32	26	8,600	27,500	450	450	325	1
	GR	AND TOT	AL			T		†	1	<u> </u>		36,100	0	5	75				159		36,	100		7	75	







Loop may be located in advance of stop line when stop line is greater than 15' (4.5m) from edge of intersecting roadway; or, when loop detects a permissive or protected/permissive left turn.

Single 6' X 6' (1.8m X 1.8m)

Length of Lead-in ft (m)	Number of Turns
< 250 (75)	3
250-375 (75-115)	4
375-525 (115-160)	5
> 525 (160)	6

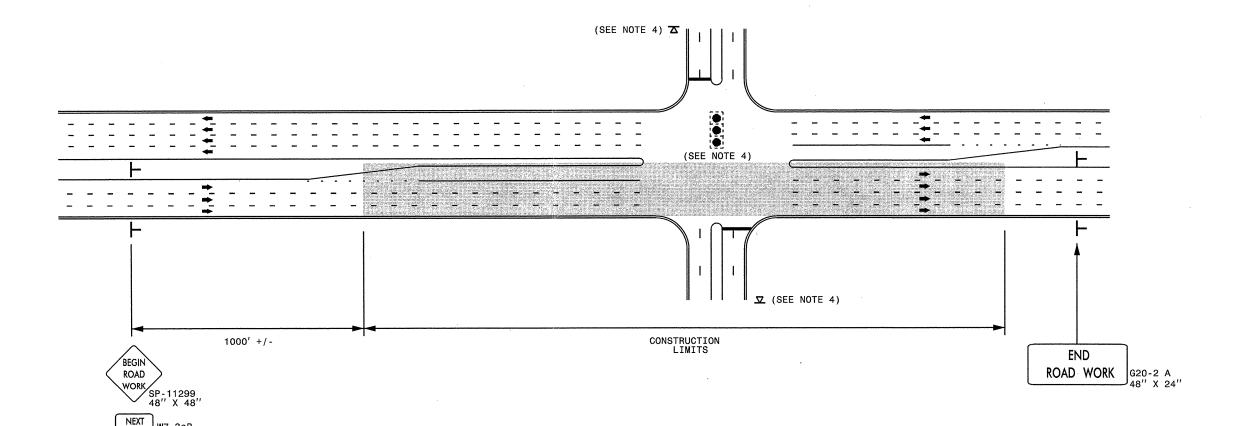
Quadrupole loops: Use 2-4-2 turns loop (wired separately):

6' X 15' (1.8m X 4.6m) Loops: Lead-in < 150' (45 m), use 2 turns Lead-in > 150' (45 m), use 3 turns

Proposed in the Offices of	Typical Loo	SEAL (23488)							
Geometric's	PLAN DATE: June 2006	PLAN DATE: June 2006 REVIEWED BY:							
122 N. McDowell St., Raleigh, NG 27603	PREPARED BY: P L Alexander	REVIEWED BY:		MAND TOWN					
SCALE	REVISIONS								
	▼ Revise povement markings	0	io lizano	V 61614					
N/A				SIGNATURE DATE					
	£			ere thingurous no					

ROJ. REFERENCE NO. SHEET NO.

URBAN / SUBURBAN WORKZONES



NOTES:

XX MILES W7-3aP 36" X 30"

- 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) USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AND 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

14-AUG-2013 14:26 \\D01\DFSR00TOI\GROUPS-WZTCCC

LEGEND

DIRECTION OF TRAFFIC

STATIONARY SIGN