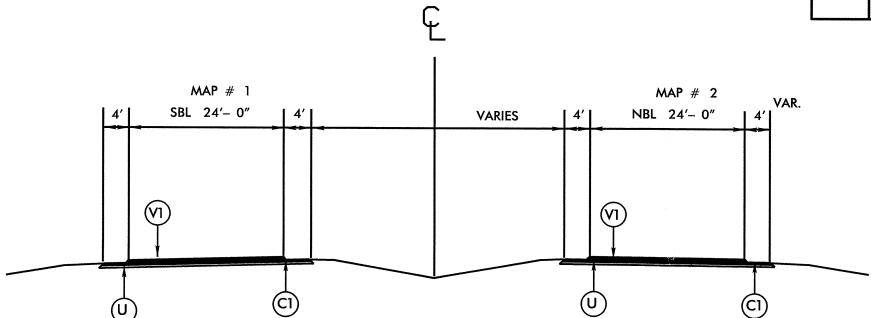


T NO: WBS NO: ICR.10581.18	LOCAT TYPE OF	125 BUS 126 BUS 126 S	HIGHWAYS  COUNTY  COGE SOUTH TO BEGIN NEW PAV	· · · · · · · · · · · · · · · · · · ·
S\$	NOT TO SCALE	PROJECT LENGTH  WBS# 1CR.10581.18 = 0.81 MILES	DIVISION OF HIGHWAYS  2006 STANDARD SPECIFICATIONS  LETTING DATE:  C.E. SLACHTA  DIVISION PROPOSALS ENGINEER	DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

#### NOTES:

- 1. ALL PAVED INTERSECTIONS, CROSS OVERS AND TURN LANES ARE TO BE MILLED AND RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
- 2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, CROSSOVERS AND TURN LANES ARE INCLUDED IN SUMMARY OF QUANTITIES
- 3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONTRUCTED BY OTHERS



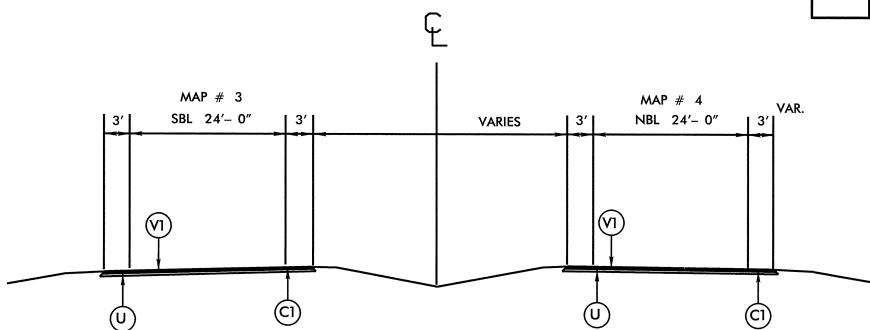
PROJECT REFENCE NO.	SHEET NO.
1CR.10581.17	3 OF 5

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE TYPE S 9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
V1	MILLING ASPHALT PAVEMENT DEPTH 1.5"
U	EXISTING PAVEMENT.

# TYPICAL SECTION #1 USE WITH MAP'S 1 & 2

### NOTES:

- 1. ALL PAVED INTERSECTIONS, CROSS OVERS AND TURN LANES ARE TO BE MILLED AND RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
- 2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, CROSSOVERS AND TURN LANES ARE INCLUDED IN SUMMARY OF QUANTITIES
- 3. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE
- 4. SHOULDERS AND DITCHES ARE TO BE CONTRUCTED BY OTHERS



<b>TYPIC</b> A		SEC	#2				
USE WIT	Ή /	MAP'S	3,	4,	5	&	6

PROJECT REFENCE NO.	SHEET NO.
1CR.10581.18	4 OF 5

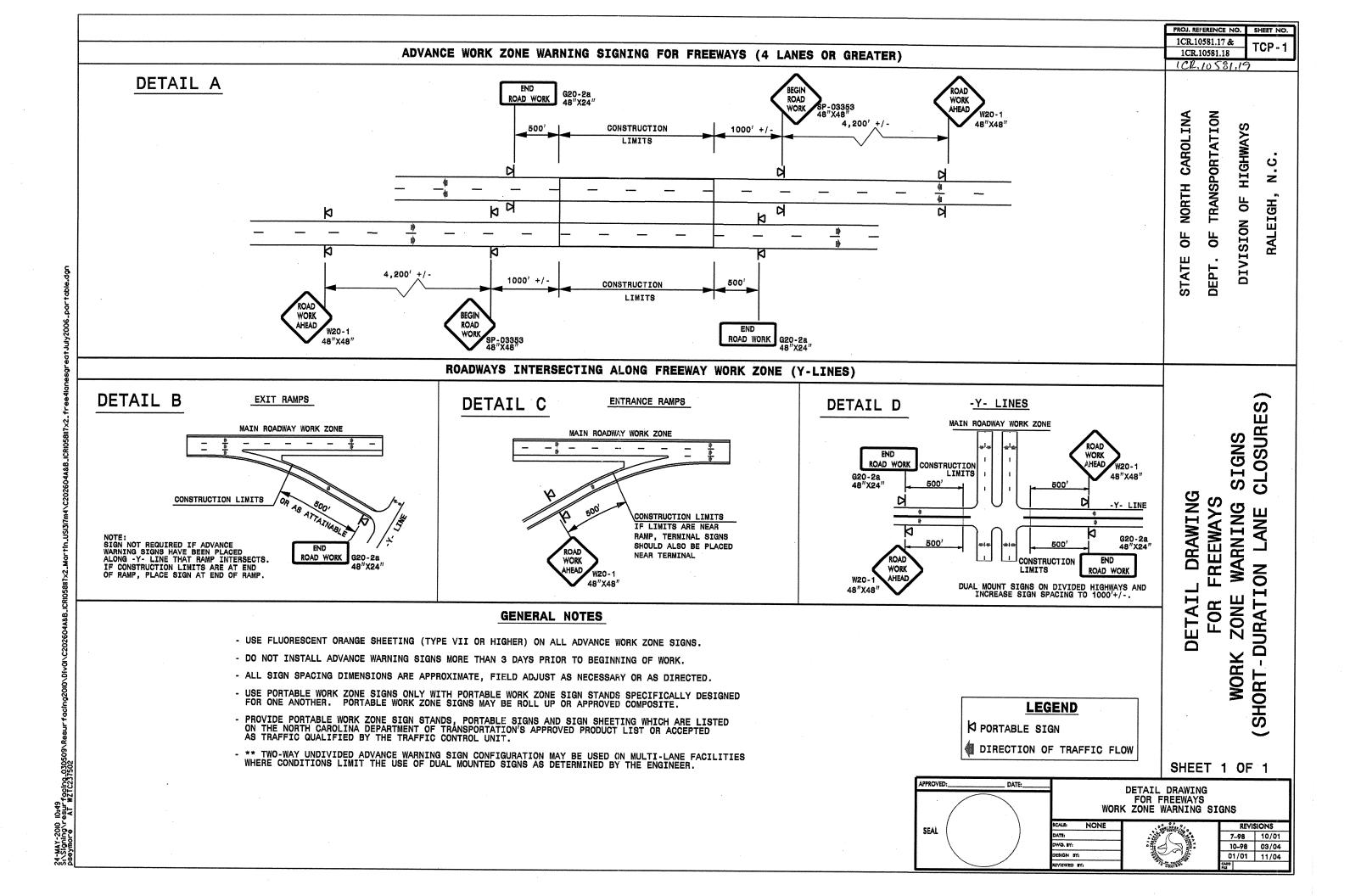
	PAVEMENT SCHEDULE
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE TYPE S 9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
V1	MILLING ASPHALT PAVEMENT DEPTH 2.0"
U	EXISTING PAVEMENT.

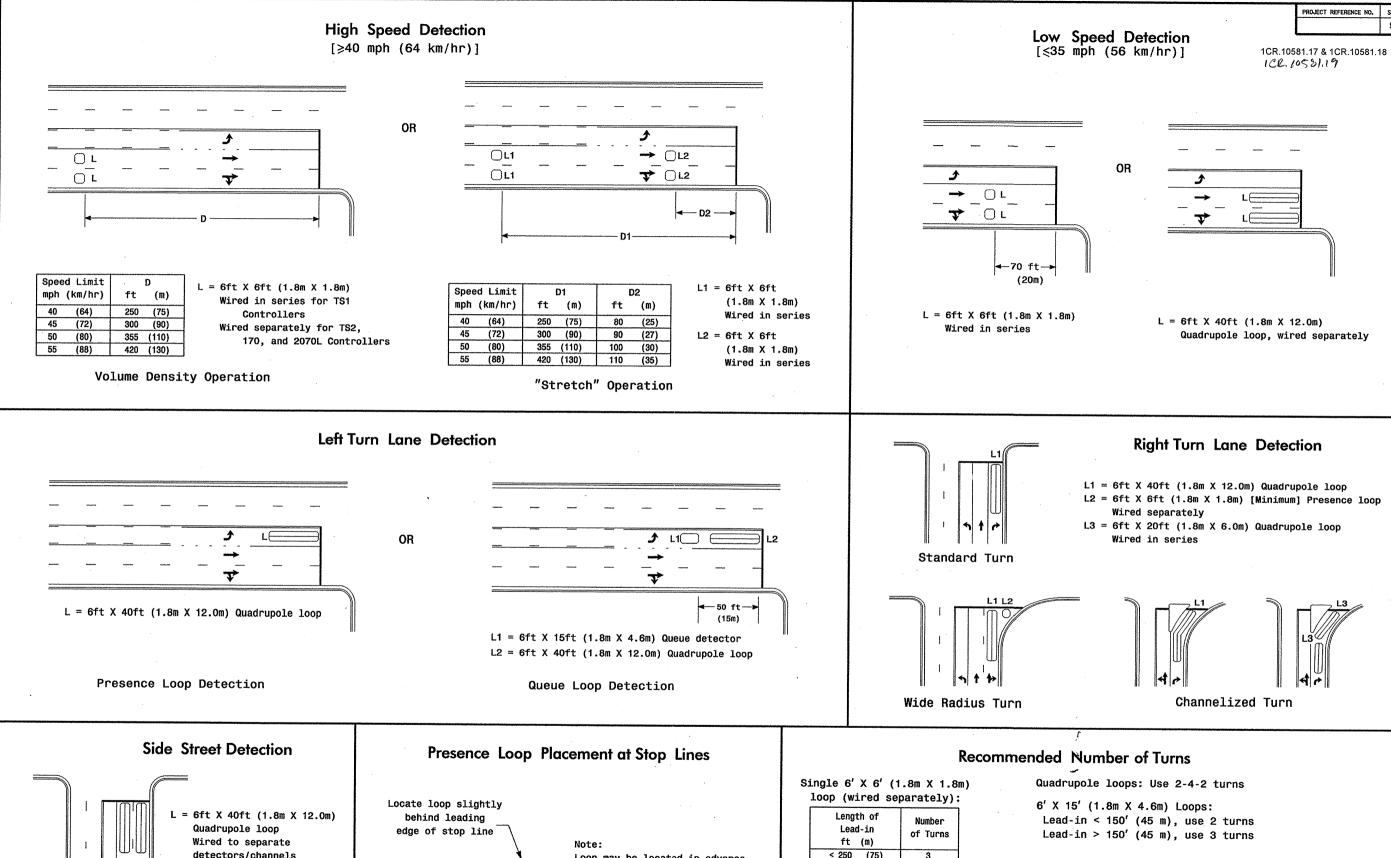
PROJECT NO.	SHEET NO.	TOTAL NO.			
1CR.10581.17, 1CR.10581.18, 1CR.10581.19	5	5			
1010.10001.17, 1010.10001.10, 1010.10001.19					

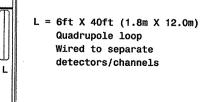
# SUMMARY OF QUANTITIES

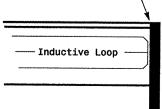
						30	IAI IAI 😾	V I	Ur	W U A	14 1 1 1	IES			
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	MOBILIZATIO N	MILLING ASPHALT PAVEMENT, 1½" DEPTH	MILLING ASPHALT PAVEMENT, 2" DEPTH	SURFACE COURSE, S9.5B	PG 64-22 PLANT MIX	ADJ. OF MANHOLES	TRAFFIC CONTROL
NO		NO			NO		MI	FT	LS	SY	SY	TONS	TONS	EA	LS
1CR.10581.17	Martin	1	US 17 SOUTH BOUND LANE	SOUTH BOUND LANE FROM US64 ALT TO SR 1501	1	NO	2.6	32	1	54,294		6,720	403		1
1CR.10581.17	Martin	2	US 17 NORTH BOUND LANE	NORTH BOUND LANE FROM SR1501 TO US 64 ALT	11	NO	2.6	32	*	54,294		6,720	403		*
	IOIAL	FOR 10	CR.10581.17			<u> </u>	<u> </u>		<u> </u>	108,588	<u> </u>	13,440	806		
1CR.10581.18	Martin		US 13/ 17 SOUTH BOUND LANE	FROM RONOAKE RIVER BRIDGE TO NEW PAVEMENT FROM NEW PAVEMENT TO RONOAKE	2	NO	0.81	30	*		17,288	2,000	120	3	*
1CR.10581.18	Martin		US 13/17 NORTH BOUND LANE	RIVER BRIDGE	2	NO	0.81	30	*		17,288	2,000	120		*
TOTAL FOR 1CR.10581.18						I					34,576	4,000	240	3	
1CR.10581.19	Martin	5	US 17 SOUTH BOUND LANE	SOUTH BOUND LANE FROM SR 1501 TO END 4 LANE	1	NO	1.5	32	*		30,976	3,487	209		*
1CR.10581.19	Martin	6	US 17 NORTH BOUND LANE	FROM END 4 LANE TO SR 1501	1	NO	1.5	32	*		30,976	3,487	209		*
	TOTAL	FOR 10	CR.10581.19								61,952	6,974	418		
			GRAND TOTAL			[ :	9.82		1	108,588	96,528	24,414	1,464	3	1

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	468500	0000-E	468600	0000-E	46950000000-E	4710000000-E		47250	00000-E	Т	48100	00000-E	4835000000-N	49000	00000-N	7444000000-F	7456000000-
					4" X 90 M	4" X 90 M	4" X 120 M	4" x 120 M	8" X 90 M	24" X 120 M	THERMO L	T THERMORT	THERMO ST	R THERMO STR	4" WHITE	4" YELLOW	24" WHITE	CRYSTAL &		INDUCTIVE	
					WHITE	YELLOW	WHITE	YELLOW	YELLOW	WHITE				M & RT ARROW	PAINT	PAINT	PAINT	RED	YELLOW	LOOP	CABLE (18-4
					THERMO	THERMO	THERMO	THERMO	THERMO	THERMO	M	M	1	90 M	1 70041	1 7	1 7 7 11 1	MARKERS	MARKERS	SAWCUT	CABLE (10-4
												-		""				III/AIAAAAA	MARKETO	OAMOO!	
NO		NO			LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA	TF	LF
				SOUTH BOUND LANE FROM US64 ALT TO															<del>                                     </del>		<del> </del>
1CR.10581.17	Martin	1 1	US 17 SOUTH BOUND LANE	SR 1501	15,250	15,250	5,300			128	23	20	40	40	22,550	15,250	128	300		5,100	5,000
				NORTH BOUND LANE FROM SR1501 TO US												1	1			0,100	0,000
1CR.10581.17	Martin	2	US 17 NORTH BOUND LANE	64 ALT	15,250	15,250	5,300			128	23	20	40	40	22,550	15,250	128	300		5.100	5,000
					30,500	30,500					46	40	80	80	45,100	30,500		600			
	TOTAL	. FOR 10	CR.10581.17		61,	000	10,600			256		246			75.600 256		256			10,200	10,000
	·						10,	600													
		1 1		SOUTH BOUND LANE FROM RONOAKE									T						I		
1CR.10581.18	Martin	3	US 13/ 17 SOUTH BOUND LANE	RIVER BRIDGE TO NEW PAVEMENT	8,716	6,500	1,069			65	7	2	2	2	9,716	6,500	65	50	60		
				FROM NEW PAVEMENT TO RONOAKE												1					
1CR.10581.18	Martin	4	US 13/17 NORTH BOUND LANE	RIVER BRIDGE	8,716	6,500	1,100			50	8	2	6	1 1	9,816	6,500	50	50	60		
					17,432	13,000	2,169			115	15	4	8	2	19,532	13,000	115	100	120		
	TOTAL	FOR 10	R.10581.18		30,	432	21	69					29		32	,532		2	20		T
						,															
100 10501 10		_		SOUTH BOUND LANE FROM SR 1501 TO									1	1							
1CR.10581.19	Martin	5	US 17 SOUTH BOUND LANE	END 4 LANE	8,220	7,920	1,980	914	40		4				3,960		İ	132			
1CR.10581.19	Martin	6	US 17 NORTH BOUND LANE	FROM END 4 LANE TO SR 1501	8,220	7,920	2,303	110			6			1	3,960			132			
					16,440	15,840	4,283	1024			10				7,	920		264			
TOTAL FOR 1CR.10581.19			32,	280	5,3	307	40				10					2	64				
			GRAND TOTAL		64,372	59,340	17,052	1,024	40		71	44	88	82	72,552	43,500		964	120		
					123	,712	18,	076	40	371	l		285		116	5,052	371	1,0	084	10,200	10,000



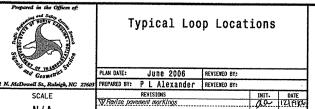






## Loop may be located in advance of stop line when stop line is greater than 15' (4.5m) from edge of intersecting roadway; or, when loop detects a permissive or protected/permissive left turn.

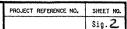
Length of Lead-in ft (m)	Number of Turns
< 250 (75)	3
250-375 (75-115)	4
375-525 (115-160)	5
> 525 (160)	6

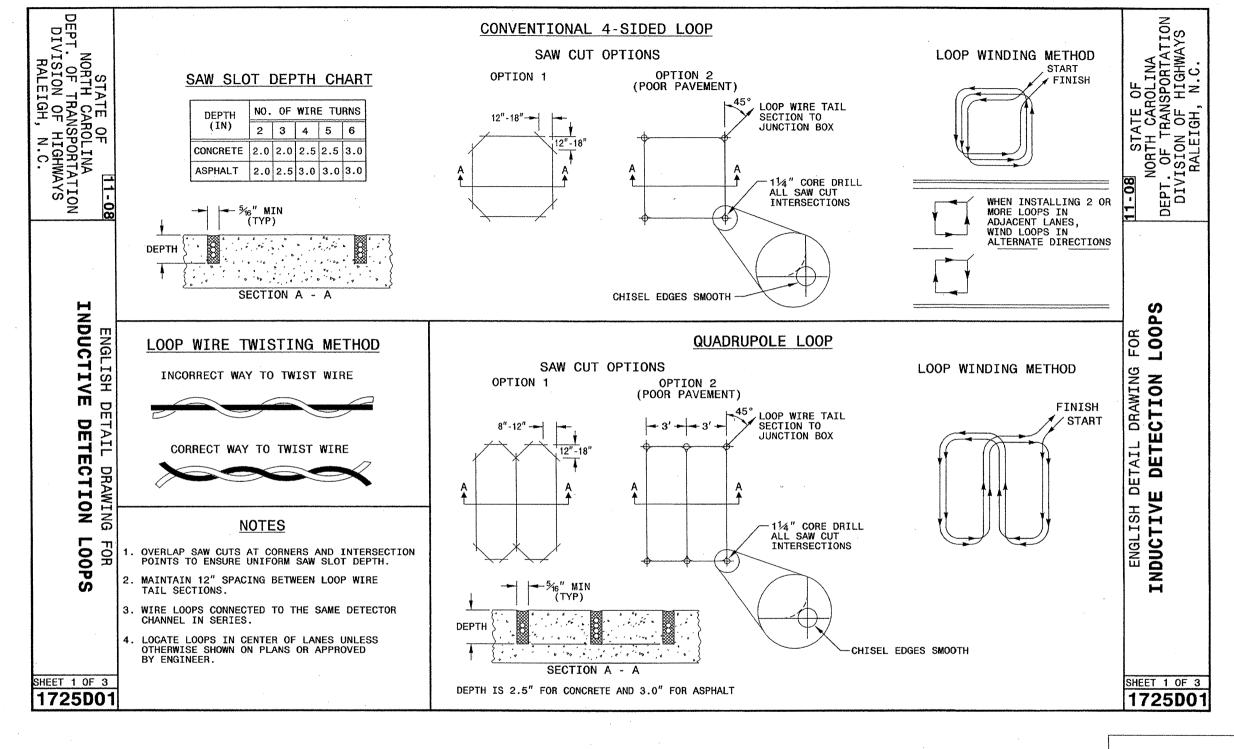


N/A

PROJECT REFERENCE NO. SHEET NO.

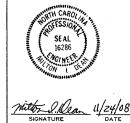
SIG 1



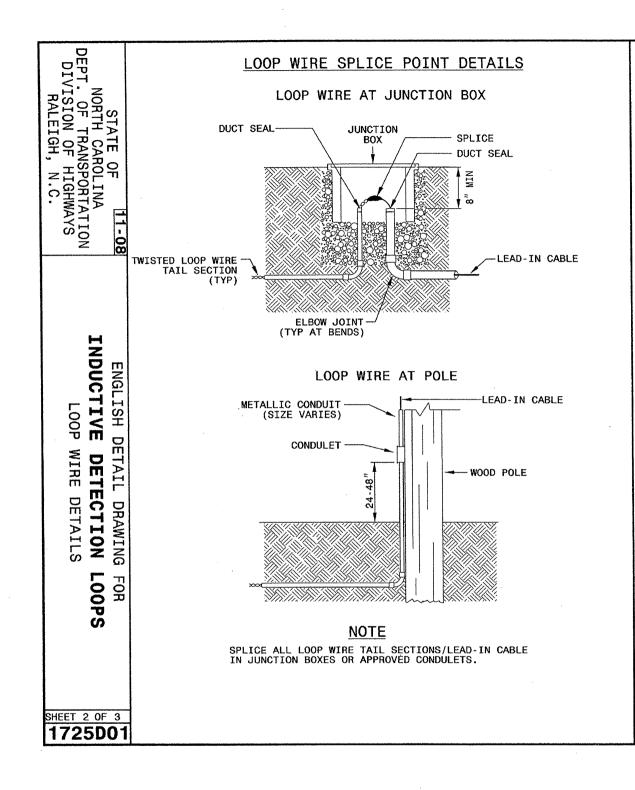






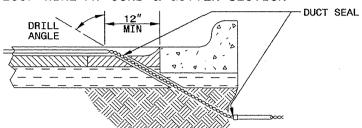


SEAL

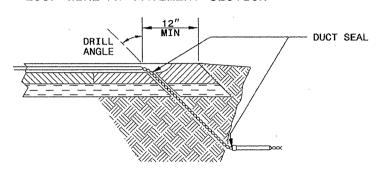


## LOOP WIRE PAVEMENT EDGE DETAILS

LOOP WIRE AT CURB & GUTTER SECTION



LOOP WIRE AT PAVEMENT SECTION



### **NOTES**

- 1. DO NOT EXCAVATE UNDER CURB AND GUTTER SECTIONS FOR CONDUIT INSTALLATION.
- 2. TWIST LOOP WIRE TAIL SECTIONS FROM WHERE LOOP WIRE TAIL LEAVES SAW CUT TO JUNCTION BOX, INCLUDING THROUGH
- 3. BEFORE SEALING LOOPS, INSTALL DUCT SEAL WHERE LOOP WIRE TAIL SECTION LEAVES SAW CUT IN PAVEMENT AND AT ENTRANCE OF CONDUIT TO JUNCTION BOX.

11-08 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

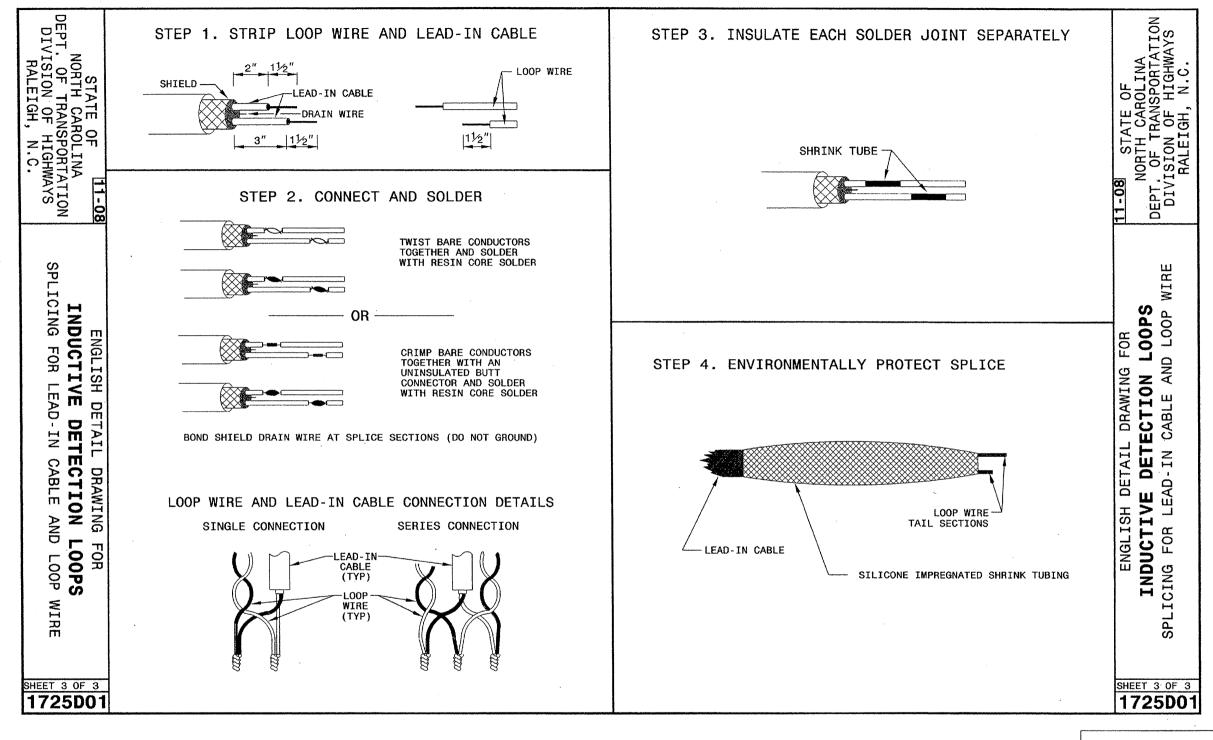
FOR LOOPS DETAIL DRAWING I DETECTION L ENGLISH DETAIL D
INDUCTIVE DETEC

SHEET 2 OF 3 1725D01

# See Plate for Title











750 N. Greenfield Parkway Garner, NC 27529

