

PROJECT NO. SHEET NO. TOTAL SHEETS

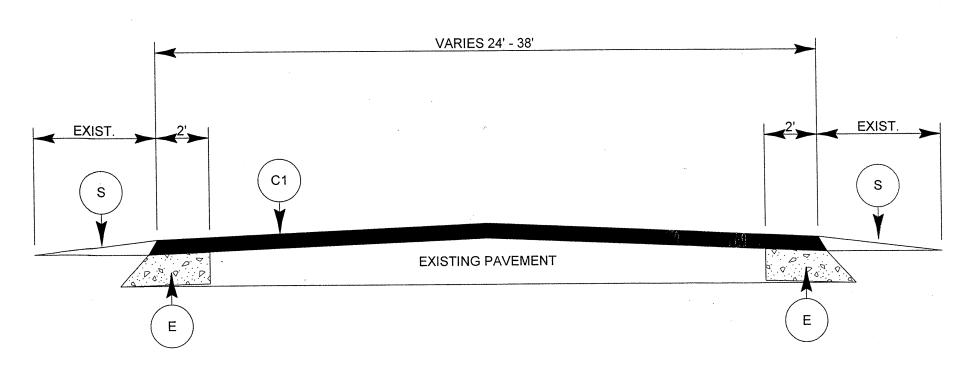
37670, 5CR.10321.8,
5CR.20321.8,
9

ACBC OR ACSC
AS DIRECTED BY THE ENGINEER

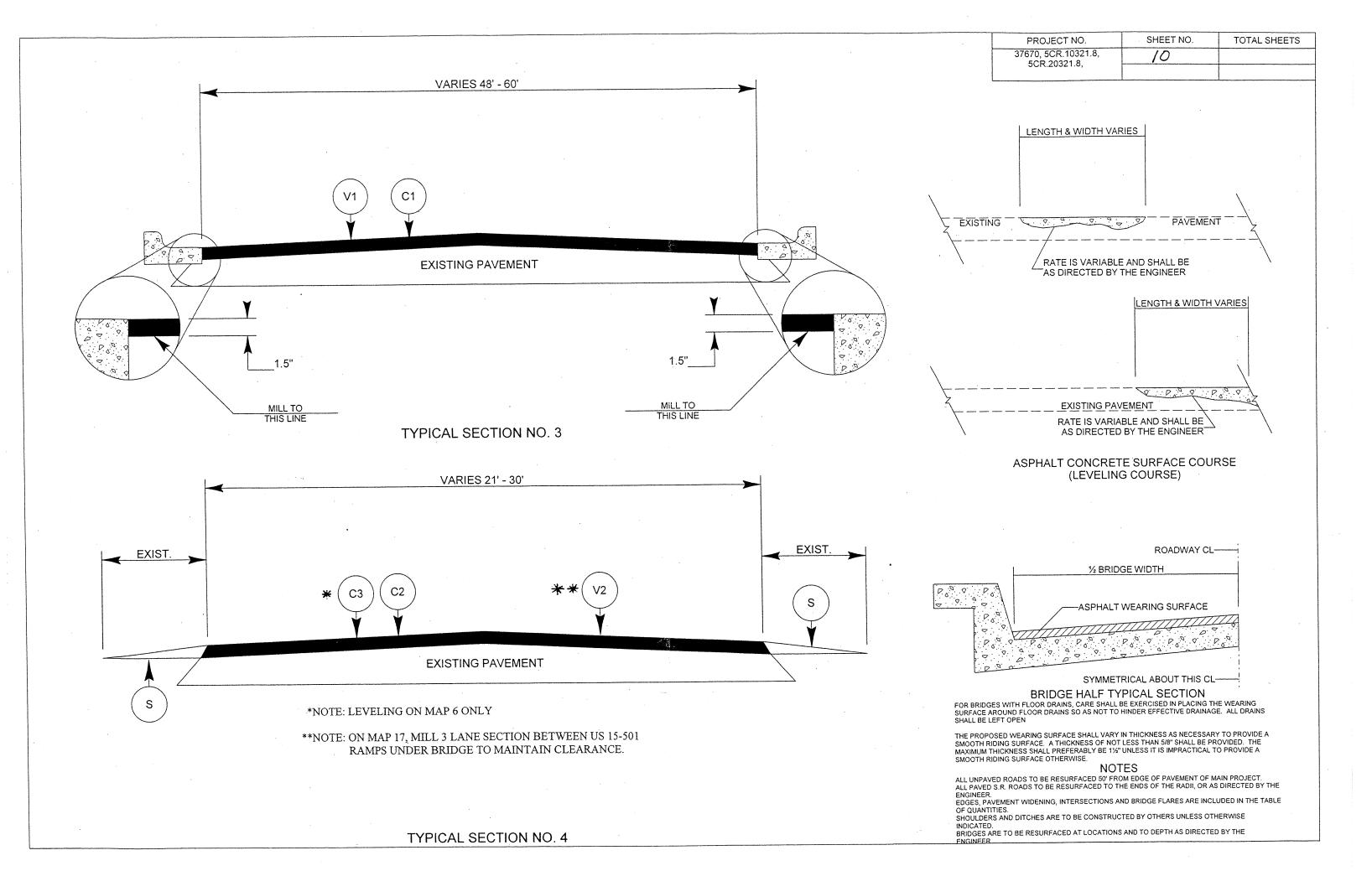
ACBC OR ACSC
AS DIRECTED BY THE ENGINEER

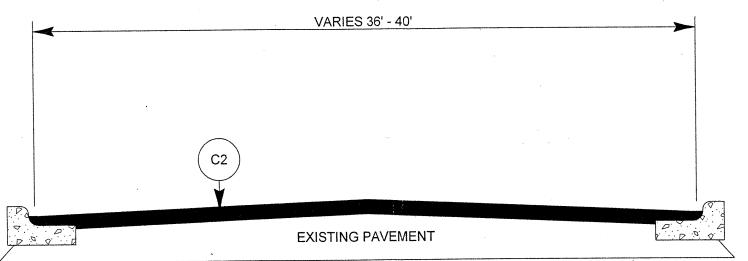
PATCHING EXISTING PAVEMENT

TYPICAL SECTION NO. 1



	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT THE AVERAGE RATE OF 168 LBS PER SQ YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT THE AVERAGE RATE OF 168 LBS PER SQ YD.
С3	LEVELING COURSE, S9.5B. SEE SUMMARY OF QUANTITIES FOR SPECIFIC MAPS.
E	PROP. APPROX. 12.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT THE AVERAGE RATE OF 684 LBS PER SQ YD. IN EACH OF TWO LIFTS
S	SHOULDER RECONSTRUCTION.
V1	MILLING 1.5" - 3" TO RE-ESTABLISH GUTTER PROFILE
V2	MILL 1.5" UNDER US 15-501 BRIDGE (MAP 17)





TYPICAL SECTION NO. 5

PROJECT NO. SHEET NO. TOTAL SHEETS

37670, 5CR.10321.8,
5CR.20321.8,

PROJECT NO.	SHEET NO.	TOTAL NO.
37670, 5CR.10321.8	12	
5CR.20321.8.	12-	

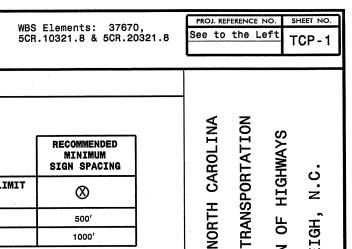
SUMMARY OF QUANTITIES

								3 U I	VI IVI A	<u>r</u> i	UF								1			0550	INDUCTOR!	LEADIN
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LENGTH	WIDTH	INCIDENTAL	SHOULDER	1½"	1.5" TO 3"	INCIDENTAL	BASE	t 1	LEVELING	SURFACE COURSE,		PG 70-22 PLANT MIX	PATCHING EXISTING	MANHOLES	METER OR VALVE BOX	1	LOOP	LEAD-IN CABLE (18-
								STONE	RECONSTR	MILLING	MILLING	MILLING	COURSE, B25.0C	COURSE, S9.5B	COURSE, TYPE S9.5B	S9.5C	PLANI WIIA	PLANT MIA	PAVEMENT		VALVE BOX	IIIO E O I III I O	200.	4)
					NO	MI	FT	BASE TONS	UCTION SMI	SY	SY	SY	TONS	TONS	TON	TONS	TONS	TONS	TONS	EA	EA	AC	LF	LÉ
NO		NO		FROM END OF C&G TO SR 1121	110	1411																		
37670	Durham	1	NC 55 SB	(CORNWALLIS RD)	1	1.2	26	20	2.4			650				1,795		108				1.80	3,000	500
				FROM SR 1121 (CORNWALLIS RD)				40	1			1200	2180			1,587	94	95	900			1.80		
		2	NC 55 NB	TO BEGIN C&GION	2	1.2	24	40 60	2.4 4.8			1850	2180	1		3,382	94	203	900			3.60	3,000	500
	TOTAL	FOR PI	ROJ NO. 37670			2.4		00	1 4.0		1	1												
	Τ	г		FROM US 501 BUS TO SR 1457	ТТ													400	545	45		ļ	5,000	2,000
5CR.10321.8	Durham	3	US 501	(TOM WILKINSON)	3	2.8	60				105600					8,296		498	515	15	-		5,000	2,000
				FROM SR 1443 (HORTON RD) TO			40				5632					474		28	20	5			4,000	500
	ļ	"	US 501 BUS	US 501 FROM SR 1443 (HORTON RD) TO	1 3 1	0.2	48		-		3032	-												
			US 501 BYPASS	US 501	3	0.2	60				7040					593		36	95				2,000	500
	TOT	AL FOR	R MAP NO. 3			3.2		0	0		118272	0	0			9,363		562 562	630 630	20	1 1		11,000 11,000	3,000
			J NO. 5CR.10321.8			3.2		0	0	<u> </u>	118272	0	0		L	9,363		362	1 630	20	<u>. </u>		11,000	5,000
				FDOM SP 1404 (POSE OF				T	T	T	T	T		T				T	T			1		-
5CR.20321.8	Durham		SR 1401 (COLE MILL RD)	FROM SR 1404 (ROSE OF SHERON) TO END CG	5	0.1	40							129			8		20	5			500	250
3CR.20321.6	Dumam	+++	SK 1401 (COLE MILE ND)	FROM END CG TO NEW PVT	1-												174	1	075	7	5	2.28	500	250
		"	19	(UMSTEAD)	4	1.9	26	100	3.8			818		2907			174		275	 '	1 3	2.20	300	230
				FROM SR 1449 (UMSTEAD) TO		0.1	24	50	0.2					122			7		50	5		0.12		
	J	TAL EO	R MAP NO. 4	OCL	+++	2.1	24	150	4		0	818	0	3158			189		345	17	5	2.40	1,000	500
	1 101	5	SR 1639 (INFINITY RD)	FROM US-501 TO END C&G	4, 5	0.34	22	10	0.3			525		757			45	ļ	100	11	-	0.41	500	250
				FROM END C&G TO SR 1631 (100			30		2763			166	1	50	5	5	2.95		
				SNOWHILL RD)	14	2.46	22	100	4.92 5.22		+ 0	555	0	3520			211	<u> </u>	150	6	5	3.36	500	250
ļ	TOT	TAL FO	R MAP NO. 5	FROM SR 1800 (CHEEK RD) TO	+-+	2.8	<u> </u>	110	J.22		 	1					1							
		6	SR 1709 (MIDLAND TERRACE)	NEW PVT (I-85 BRIDGE)	4	0.6	22	100	1.2			1104		746	200		58		50	4		0.72	500	250
	1	;		FROM NEW PVT (I-85 BRIDGE) TO								400		1141			68		50	6		0.84	500	250
		<u> </u>	11	SR 1669 (CLUB BLVD)	4	0.7	22	200	2.6		0	100	 	1887	200		126		100	10	+	1.56	1,000	500
	TO	TAL FO	R MAP NO. 6	FROM SR 1669 (CLUB BLVD) TO	+-+	1.3	 	200	2.0		+	1	† <u>-</u> -	1										
		7	SR 1666 (DEARBORN DRIVE)	SR 1004 (OLD OXFORD)	4	1.5	22	200	3			717		1767			106		75	9	5	1.80	1,000	500
	 	1		FROM BUS 501 (ROXBORO ST.)			/					450		550			33		40	17	2	0.42	500	250
		8	SR 1669 (E. CLUB BLVD)	TO C&G	4	0.35	30	50	0.7	ļ	- 	150		552	-		33	 	+	 ''	 	0.42		
		1		FROM C&G TO SR 1709 (MIDLAND	ا ۱	0.95	24	100	1.9			350		1163			70		250	27	2	1.14	500	250
	TO	TAL EO	PR MAP NO. 8	TERRACE)	+-+	1.3	 	150	2.6		0	500	0	1715	0		103		290	44	4	1.56	1,000	500
		T														-244		15	80				2,000	500
		9	SR 1443 (HORTON RD)	FROM US 501 BYP TO US 501 BU		0.1	48				2816		 	+	-	- 244	+	13	- 80	 	 		2,000	
-		10	CD 4000 (DA)/IS DB)	FROM NEW PVT(NORTH OF I-40) TO SR 1121 (E. CORNWALLIS)		0.4	48		1.6		1	230		1000			60		120	<u> </u>		1.20		
		10	SR 1999 (DAVIS DR)	NC 54 TO NEW PVMT BEYOND SE		0.4	+															1.07		
		11	SR 1110 (FARRINGTON RD)	1113 (EPHESUS CHURCH RD)		1.64	24	100	3.28			150		2190		ļ	131		50	 		1.97		
				FROM NEW PVT TO NEW		2.07	00	90	0.54			120		358			21		40			0.32		
		12 -	SR 1670 (GEER ST)	PVT(HARDEE ST) FROM SR 1670 (E. GEER) TO NEV	W 4	0.27	26	80	0.54	 	+	120	1	1	+	 								
		13	SR 1800 (CHEEK RD)	PVT BEFORE HARDEE ST	4	0.43	22	50	0.86			100		483			29		75	11		0.52		
	1	+-'-		FROM SR 1827 (MIDLAND								1								ŀ				
				TERRACE) TO SR 1838 (JUNCTIO		4.4	200	100	1 22		1	100		1235			74		220	4	2	1.32		
		"	1	RD)	4	1.1 1.53	22	100 150	3.06	 	- 0	200	0	1718	0		103		295	5	2	1.84		
	10	TAL FO	R MAP NO. 13	FROM NEW PVT TO SR 1945 (S.	. -	1.00	-	1	1	1												0.40	1,500	500
,		14	SR 2028 (TW ALEXANDER)	ALSTON AVE.)	4	0.4	24		0.08			60		449			27		20		+	0.48	1,500	300
				FROM SR 1945 (S. ALSTON AVE.				0.5	1.8	Į.		130		3765			226		50	3	1	1.08	1,000	250
			"	TO NC 54	4	0.9 1.3	24	25 25	1.88		0	190	1 0	4214	0		253		70	3	1	1.56	2,500	750
ļ	10	TALFO	OR MAP NO. 14	FROM 500' SOUTH OF HORTON		1.5			1.00	1													-	
Į.				RD TO SR 1404 (ROSE OF										201			37		50	2	3	1.32		
L		15	SR 1321 (HILLANDALE RD)		4	1.1	22	50	2.2			50	-	621		-	31	+	30	+	+	1.02	 	
				FROM SR 1320 (ERWIN RD.) TO	9																į			
				BRIDGE OVER US 15-501 (RESTRIPE 3 LANE SECTIONS	.																1			
		16	SR 1317 (MORREENE RD)	WHERE POSSIBLE)	4, 5	0.66	33		0.8		·	100		1077			65		225	14	6	0.40	500	250
	_	7		FROM 15-501 TO NEW PAVEMEN	NT							400		4200			78		270			1.32	1,000	500
			SR 1308 (CORNWALLIS RD)	PAST RIDGE ROAD	4	1.1	22	4045	2.2 32.98	2200	2816	133 4967		1299 24524	200	244	1,483	15	2,160	110	31	20.61	10,500	4,250
	TOTAL F	OR PR	OJ NO. 5CR.20321.8			17.1		1215	32.98	1 2200	1 2010	4301	<u> </u>											
		GDAI	ND TOTAL	1		22.7	T	1275	37.78	2200	121088	6817	2180	24524	200	12,989	1,577	780	3,690	130	32	24.21	24,500	7,750
L		UNA	10 10175	<u> </u>																				

PROJECT NO. SHEET NO. TOTAL NO. 37670, 5CR.10321.8 /3 /5CR.20321.8,

THERMOPLASTIC AND PAINT QUANTITIES

											OPL	ASI				AINI	W C		1 1 1 1	ES		40400	30000 E	4020000000 E	4925000000 E	· · · · · · · · · · · · · · · · · · ·	494500	0000-N		4900000	000-N
	T					000000-E	468600 4" X 120 M	0000-E	4697000000-E 8" X 120 M	4705000000-E 16" X 120 M		THERMO	THERMO	4721000000-E THERMO	THERMO	THERMO	THERMO LT		4725000000-E THERMO	THERMO	THERMO		00000-E 4" YELLOW	4830000000-E 4	24" WHITE	PAINT RT			PAINT LT C		
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	4" X 90 M WHITE	4" X 90 M YELLOW	WHITE	YELLOW	WHITE	WHITE	WHITE	MSG	MSG AHEAD			MSG ZONE	ARROW	ARROW	STR ARROW	STR & RT	STR & LT	PAINT	PAINT	PAINT	PAINT	ARROW	& RT	& LT	ARROW	RED	YELLOW
		l			THERMO		THERMO	THERMO	THERMO	THERMO	THERMO	SCHOOL	120 M	120 M	SIGNAL 120	120M	90 M	90 M	90 M	ARROW 90	ARROW 90		1				ARROW	ARROW	İ	MARKERS	MARKERS
		l			I.F	١	LF	LF	LF	10	LF	120 M EA	EA	EA	M EA		EA	EA	EA	M EA	M EA	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA
NO		NO		FROM END OF C&G TO SR 1121	LF_	LF	LF	LF	LF	LF	Lr		CA																	96	
37670	Durham	1	NC 55 SB	(CORNWALLIS RD)	6,576	6,336	2,544				60						7	4	4				li-l			ļ				96	
				FROM SR 1121 (CORNWALLIS RD)		6.336	2.544										6													96	
ļ		2	NC 55 NB	TO BEGIN C&GION	6,576	12,672	5,088				60				1	†	13	4	4											192	
	TOTAL	FOR PROJ	NO. 37670		25	5,824	5,0	88											21			L				L					
							r				T				Т	Т	T	T	T	<u> </u>	T	Ι	T	T		<u> </u>	T T		T	7	
5CR,10321.8	Durham	,	US 501	FROM US 501 BUS TO SR 1457 (TOM WILKINSON)		1	7,392	36,960			600	48				1	84	2	30	14		7,392	36,960		600					392	392
3011.10021.0	Durnum			FROM SR 1443 (HORTON RD) TO							212								6	3	3	528	2,112		240	6	3	3	l	28	28
		*	US 501 BUS	US 501			528	2,112			240				 	 	 			 	 						<u> </u>				
			US 501 BYPASS	FROM SR 1443 (HORTON RD) TO US 501		1	528	2,640	,	220	240		20	16	24	1	9		2			528	2,640		240	<u> </u>	3		4 +	28 448	28 448
	TOTA	AL FOR MA	P NO. 3				8,448	41,712		220	1,080	48	20	16	24	 	93	2	38	17	3 3	8,448	41,712 41,712		1,080 1,080	6	3 3	3	4	448	448
	TOTAL FOR	R PROJ NO), 5CR.10321.8				8,448	41,712 160		220	1,080	48	20	108	1 24			L	153			50	,160					16		89	
				1	<u> </u>									~	· · · · · · · · · · · · · · · · · · ·		7	,	·		T	·	Ţ.			7	T			₁	
				FROM SR 1404 (ROSE OF	1,056		400	1.056			60			1	1		3		6												14
5CR.20321.8	Durham	4 S	R 1401 (COLE MILL RD)	SHERON) TO END CG FROM END CG TO NEW PVT	1,056		400			 	 			l	1		1													T	266
			11	(UMSTEAD)	20,064		<u> </u>	20,064			110		ļ	<u> </u>	-		2	 1	2	ļ	 	 	 			 	 	 			∠00
			н	FROM SR 1449 (UMSTEAD) TO OCL	1,056			1.056													<u> </u>										14
 	TOT	AL FOR MA	NP NO. 4		22,176		400	22,176 3,590			170				Ţ		5	1	8		1	1	1			ļ	-				294 48
			SR 1639 (INFINITY RD)	FROM US-501 TO END C&G	3,590			3,590			50		L	ļ		+		 	 			-	 			·	 	 			
				FROM END C&G TO SR 1631 (SNOWHILL RD)	25,978			25,978			123								İ												344
-	TOT	AL FOR MA	AP NO. 5	SNOWHILE RD)	29,568			29,568			173							ļ				 				 	ļ	 			392
				FROM SR 1800 (CHEEK RD) TO				0.000		ł	80		1		Ì		1 1		1		1										84
		6 SR	1709 (MIDLAND TERRACE) NEW PVT (I-85 BRIDGE) FROM NEW PVT (I-85 BRIDGE) TO	6,336		+	6,336	 		- 80	 	 	 	 		 		†			1									
		-		SR 1669 (CLUB BLVD)	7,392			7,392			100		ļ		ļ			ļ		1 1	_	ļ	 			 	 	 			182
	TOT	AL FOR MA	AP NO. 6	FROM SR 1669 (CLUB BLVD) TO	13,728		-	13,728	}	 	180		 		 	+	 	 	 	 	 	 	 					 			
		7 SR	1666 (DEARBORN DRIVE)	SR 1004 (OLD OXFORD)	15,840			15,840			72	12											ļ			<u> </u>	 	ļ	ļ		210
		1 / 1 310	1000 (DEARDORGEDIGE	FROM BUS 501 (ROXBORO ST.)							1									,			1			1					49
ļ		8 5	SR 1669 (E. CLUB BLVD)	TO C&G FROM C&G TO SR 1709 (MIDLANG	3,696		 	3,696	 	 	24			 	-	+	+	+	 	 	 	 	 				 	†			
į.	1 *			TERRACE)	10,032			10,032			200 224												_				 	<u> </u>	 		133 182
	TOT	AL FOR M	AP NO. 8		13,728			13,728		ļ	224	ļ		 			2	 	 	2		-	+	li		 	 	 	 		
			SR 1443 (HORTON RD)	FROM US 501 BYP TO US 501 BU	9	1	264	1.056	1.	450	50			1	1		4			44		264	1,056	450.00	50			<u> </u>	4		14
-	1	9	SK 1443 (HOKTON KD)	FROM NEW PVT(NORTH OF I-40))]			1									1 .	,											1	64	5
	1	10	SR 1999 (DAVIS DR)	TO SR 1121 (E. CORNWALLIS)	4,224		1,056	500		 	350	 	 	 			 		 	 							1	 			
		11 8	R 1110 (FARRINGTON RD)	NC 54 TO NEW PVMT BEYOND S 1113 (EPHESUS CHURCH RD)		1		17,318					·			· · · · · · · · · · · · · · · · · · ·					<u> </u>						 	 	 		230
	1	 '' "		FROM NEW PVT TO NEW													1		.	1						1			1		38
		12	SR 1670 (GEER ST)	PVT(HARDEE ST)	2,851		 	2,851		 	 	 	+	 	-		+	·	+	 	 	1		 							
		13	SR 1800 (CHEEK RD)	FROM SR 1670 (E. GEER) TO NEV PVT BEFORE HARDEE ST	4,541		1	4,541			15										4		 			 	 				60
	1	1 "		FROM SR 1827 (MIDLAND										1											1	Ì					
				TERRACE) TO SR 1838 (JUNCTIO RD)	N 11 616	.		11,616			100	12			1	8								<u> </u>							154
	TOT	AL FOR M	AP NO. 13		16,157			16,157		1	115	12		-		8		-			-			 	 	-	+				214
				FROM NEW PVT TO SR 1945 (S	4,224			4,224	1		100	2	1					1		1					L			1			56
	+	14 S	R 2028 (TW ALEXANDER)	ALSTON AVE.) FROM SR 1945 (S. ALSTON AVE	.) 4,224		1		 	1	1. 100		1	1				T .	T	T _	1										126
		<u> </u>	*	TO NC 54	9,504			9,504	ļ		48	 		-			22	8 8	11	- 7 - 7 7 7 	+		+	 	 	+	+	+	 		182
	TOT	TAL FOR M	AP NO. 14	FROM 500' SOUTH OF HORTON	13,728			13,728	-	+	148	2	+	+	-		 	1	 	 	1	1		1			1	T			
	1			RD TO SR 1404 (ROSE OF	1														1			1	1					1			154
		15 5	SR 1321 (HILLANDALE RD)	SHARON)	11,616	<u> </u>		11,616			14							+	-	+	+	+	+	+	 	+	+	 	 		157
				FROM SR 1320 (ERWIN RD.) TO BRIDGE OVER US 15-501)							1						1			1		1		1	1					
				(RESTRIPE 3 LANE SECTIONS	.							1		1			1		1 -	1	1		1		1						92
		16 :	SR 1317 (MORREENE RD)	WHERE POSSIBLE)	6,970			8,712	100		60	+		+			16	+	+	+ 2	+	 	 	+	 	-	+	 	 		
		17 0	R 1308 (CORNWALLIS RD	FROM 15-501 TO NEW PAVEMENT PAST RIDGE ROAD	NT 11,616	3		11,616			150	1					7	2	2				1000	1	 	-	-		 		2400
	TOTAL P		NO. 5CR.20321.8	7 FOLKIDGE KOAD	179,520	0	1,720	178,594	100	450	1,706	26				8	64	14	125	16	1		2,056	450	50	+		4	4 -	2.	2,189 253
	IVIALE	OK PROJ N	10. 30R.20321.0			179,520		80,314						34					143												
					192.67	2 12,672	15,256	220,306	100	670	2,846	74	20	16	24	8	170	20	72	33	4	8,712	43,768	450	1,130	6	3	3	1 8	704	2,637
		GRAND T	OTAL		1	205,344	2	35,562	T					142					299				52,480		1			<u> 40</u>			341



Z

RALEIGH

P

OF.

DEPT

IDED

UNDIV

TWO.

DRAWING

ETAIL

S

S

G

WARNIN

NO

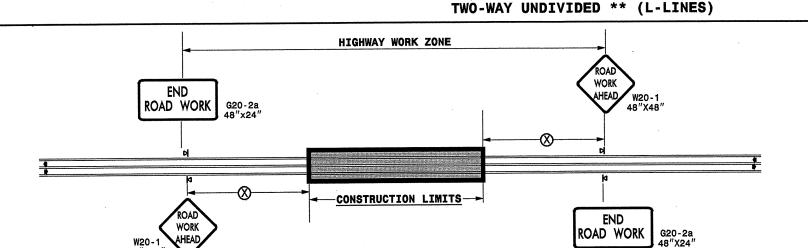
WORK

7–98 10/01

10-98 03/04 01/01 11/04

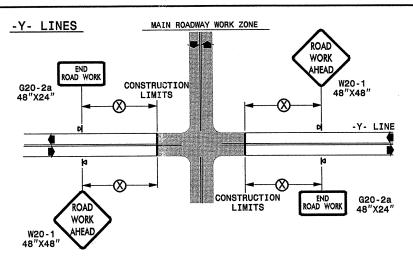
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STATI



POSTED SPEED LIMIT 8 < 50 1000' ≥ 55

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

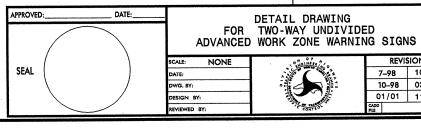


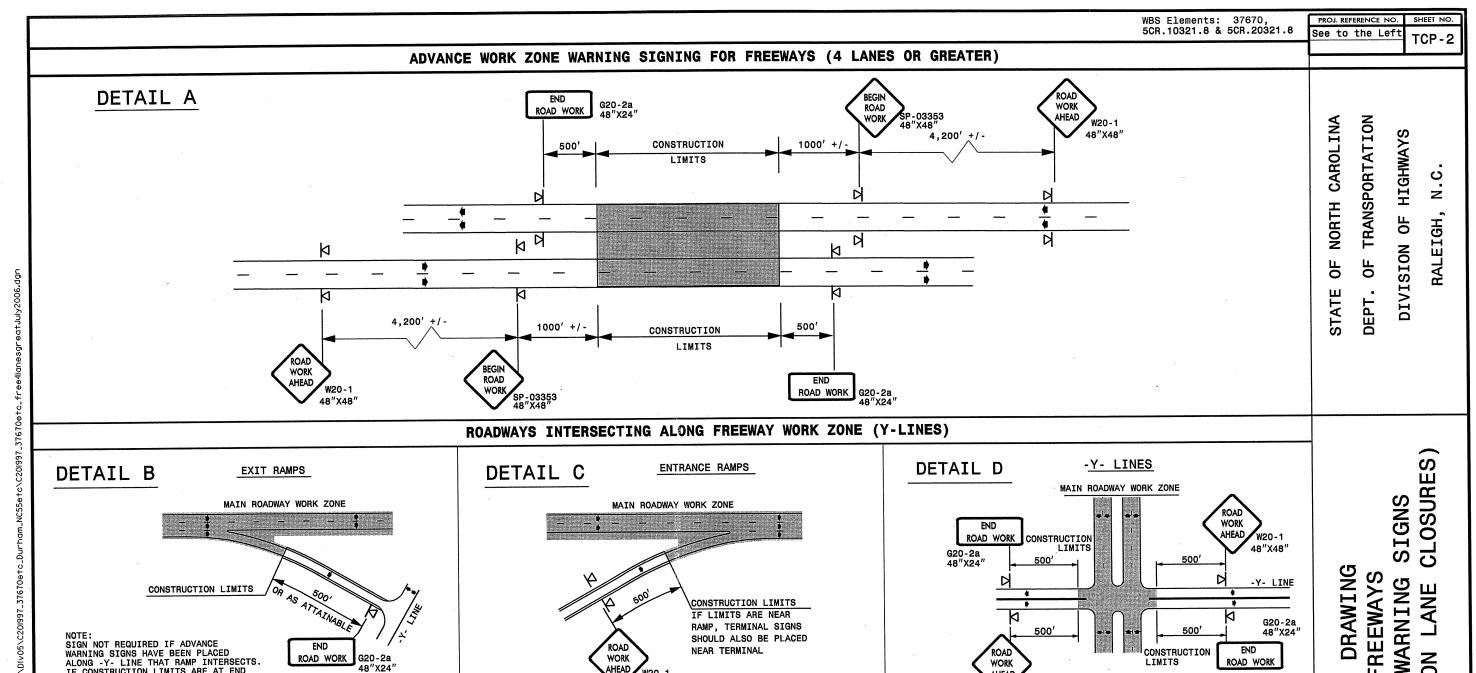
GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND PORTABLE SIGN DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1





NEAR TERMINAL

GENERAL NOTES

WORK

AHEAD

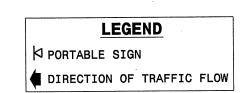
W20-1

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.

ROAD WORK

IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP

- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.



CONSTRUCTION

DUAL MOUNT SIGNS ON DIVIDED HIGHWAYS AND INCREASE SIGN SPACING TO 1000'+/-.

ROAD

WORK

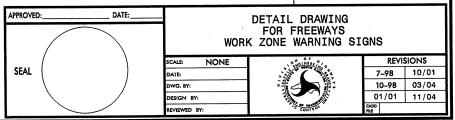
W20-1

48"X48

AHEAD

DRAWING **FREEWAYS** WARNING NO -DURATI ZONE **DETAI** FOR SHORT

SHEET 1 OF 1



PROJ. REFERENCE NO. See to the Lef TCP-3

S

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IGH

RALE

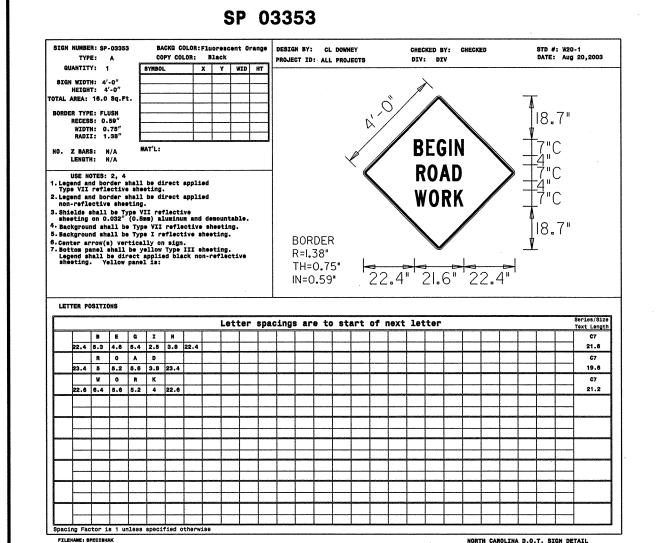
CAROLINA TRANSPORTATION NORTH 9F 0F STATE DEPT

S HIGHWAY 0F SION DIVI

DRAWING FOR ZONE SIGNS I ROAD WORK DETAIL WORK : BEGIN

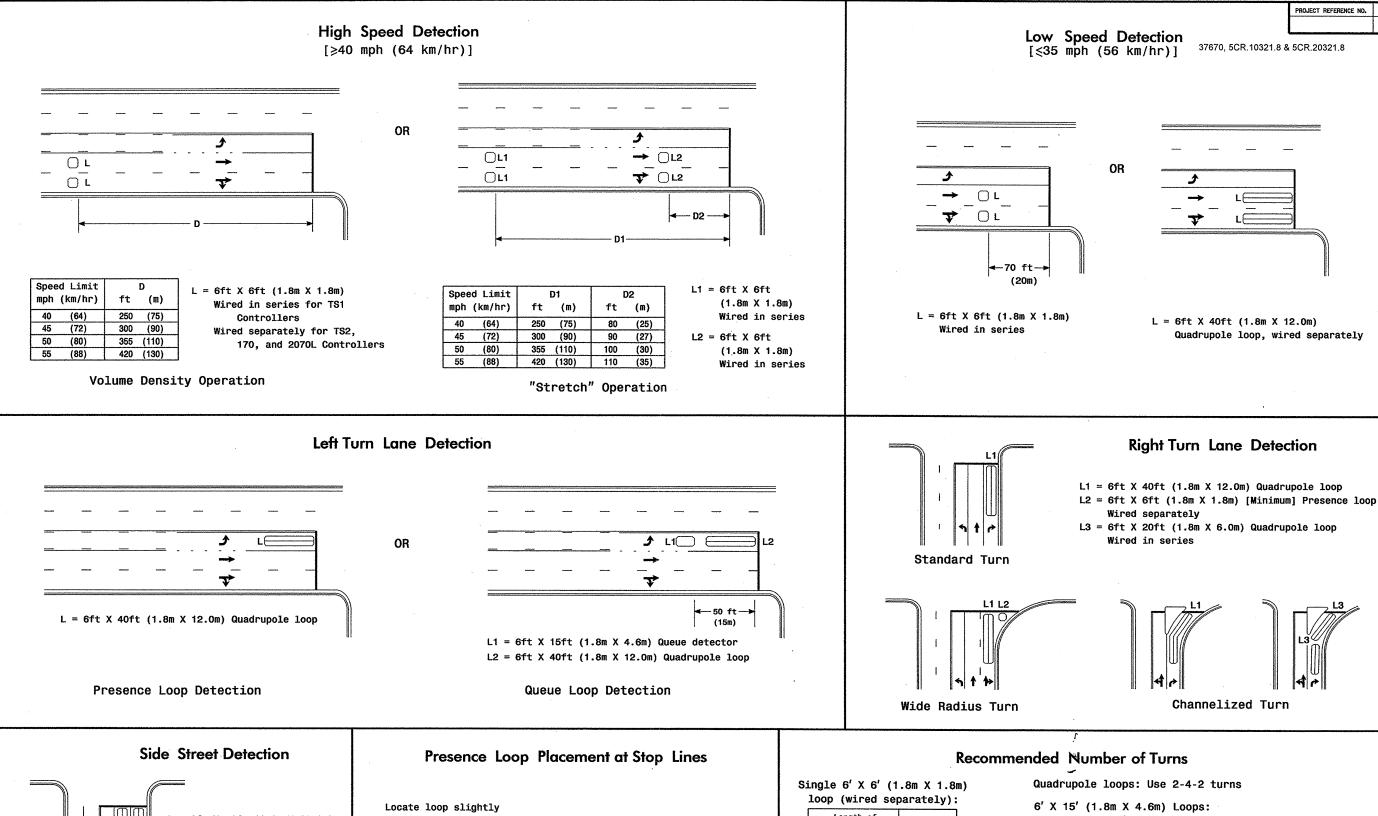
SHEET 1 OF 1

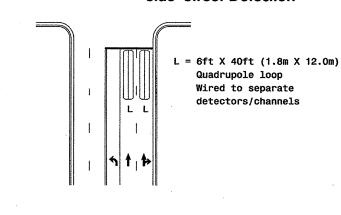
		SIILLI	1 01 1		
APPROVED: DATE:	וח	ETAIL DRAWING FOR	1		
		CED WORK ZONE WAF SIGN DESIGNS			
.	SCALE: NONE	WOINES !!	REVISIONS		
SEAL (DATE: 08/03		04/04		
	DWG. BY:		11/04		
	DESIGN BY:				
	REVIEWED BY:	CONTROL	CADD FILE		



GENERAL NOTES FOR SIGN SP-03353 "BEGIN ROAD WORK"

-SIGN SP-03353 "BEGIN ROAD WORK" ONLY APPLIES TO FULL CONTROL AND PARTIAL CONTROL OF ACCESS ROADWAYS -WHEN USED, INSTALL SIGN SP-03353 "BEGIN ROAD WORK" ACCORDING TO DETAIL FOR FREEWAY WORK ZONE SIGNS





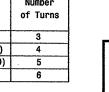
behind leading edge of stop line - Inductive Loop

Note: 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

Lead-in < 150' (45 m), use 2 turns

Lead-in > 150' (45 m), use 3 turns



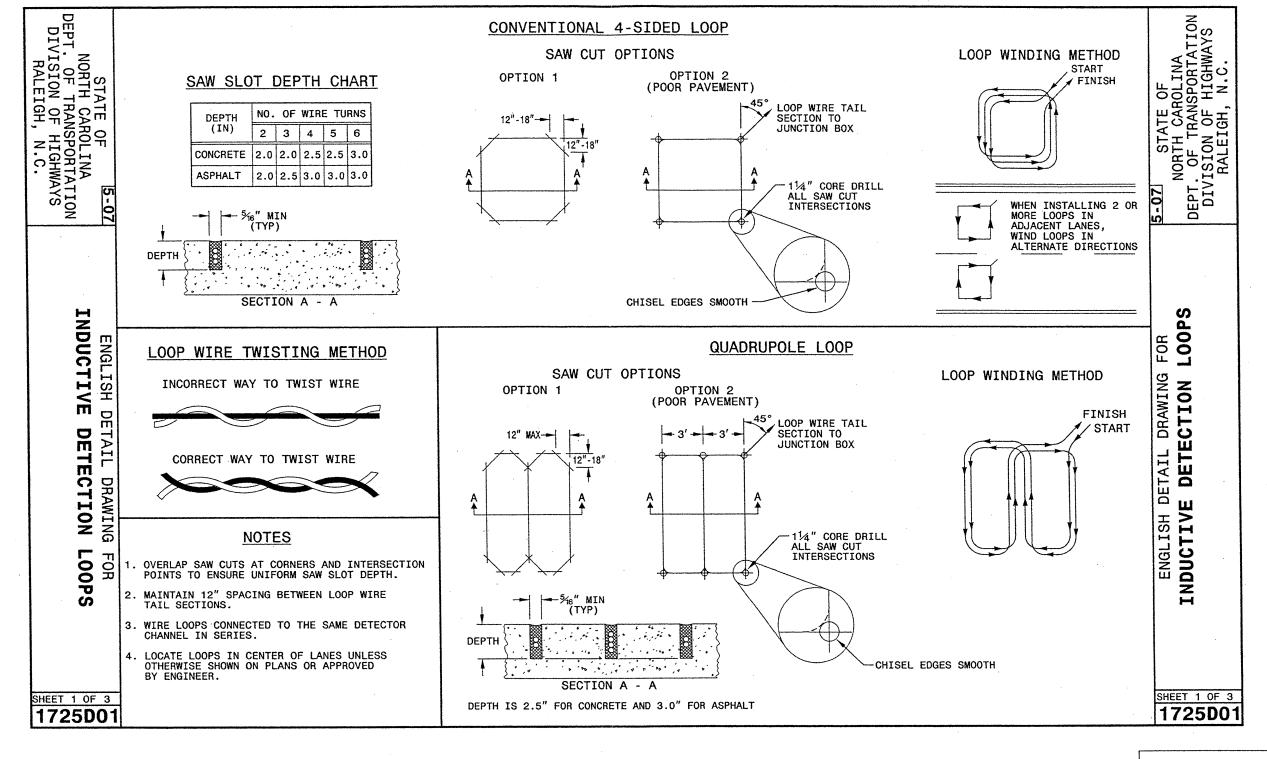
Typical Loop Locations

						711111
Geometrics Sect	PLAN DATE:	June 2006	REVIEWED BY:			
owell St., Raleigh, NG 27603	PREPARED BY:	P L Alexander	REVIEWED BY:			1 / 3
SCALE		REVISIONS		INIT.	DATE	(<i>X</i>
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PROJECT REFERENCE NO.

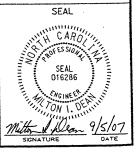
SHEET NO. SIG 1

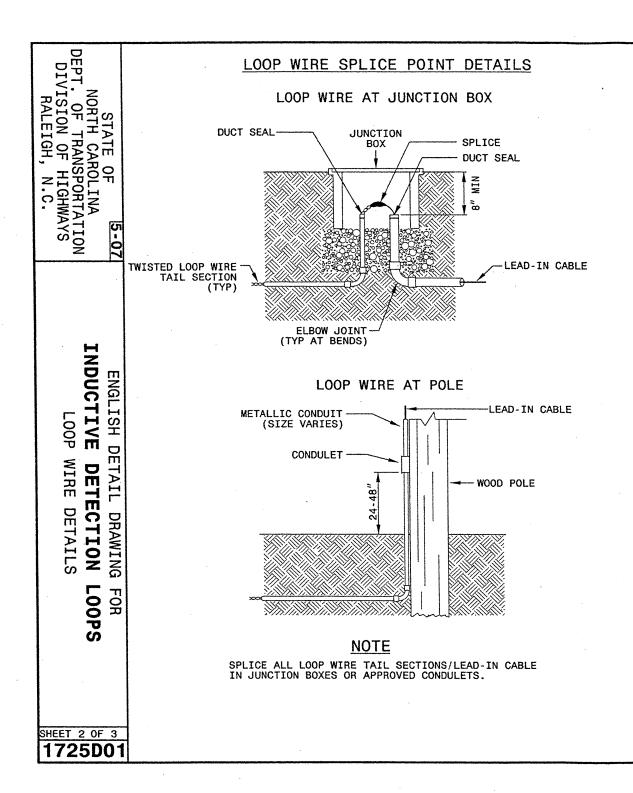
PROJECT REFERENCE NO. SHEET NO. Sig.



See Plate for Title

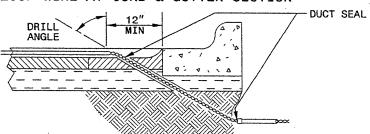




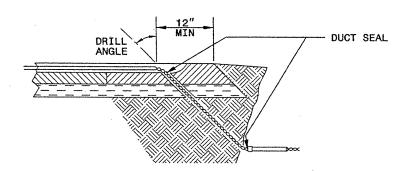


LOOP WIRE PAVEMENT EDGE DETAILS

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.

5-07 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

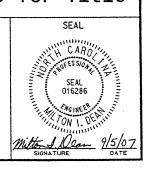
FOR **LOOP** DETECTION DETECTION I ENGLISH DETAIL INDUCTIVE

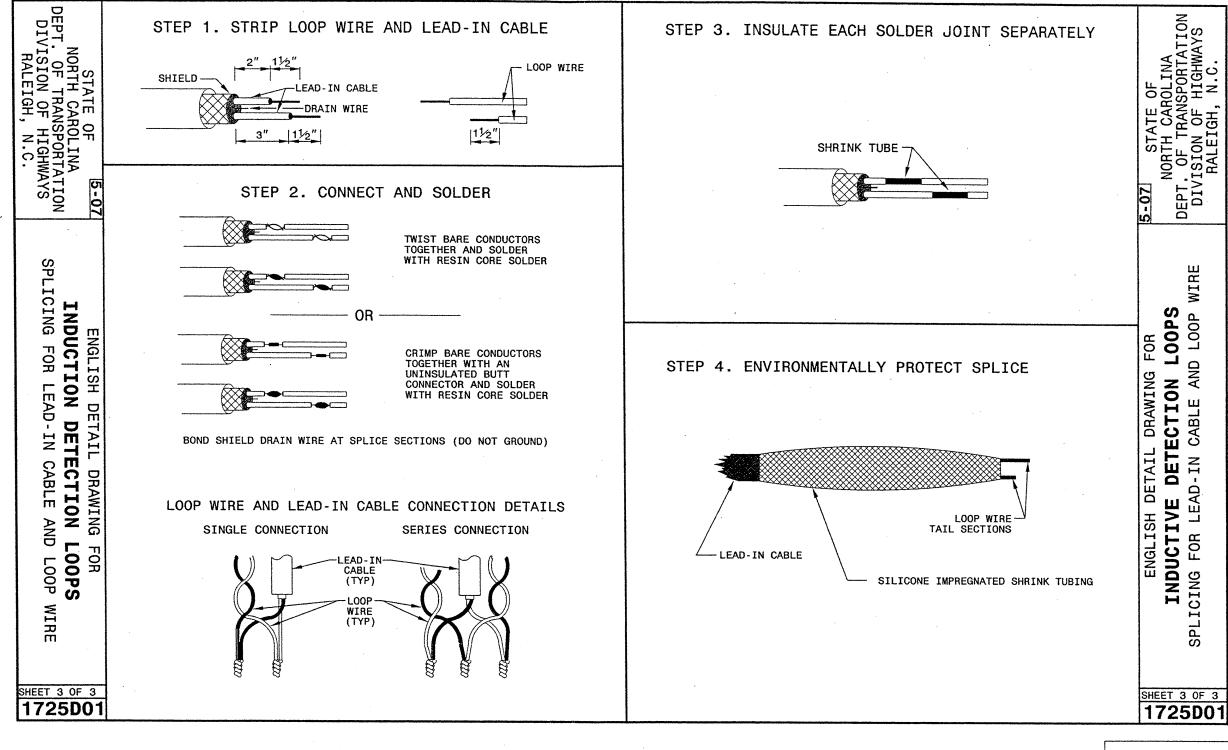
SHEET 2 OF 3 1725D01

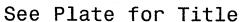
See Plate for Title



750 N. Greenfield Parkway Garner, NC 27529



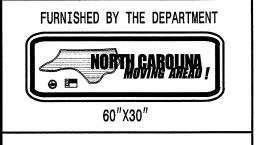




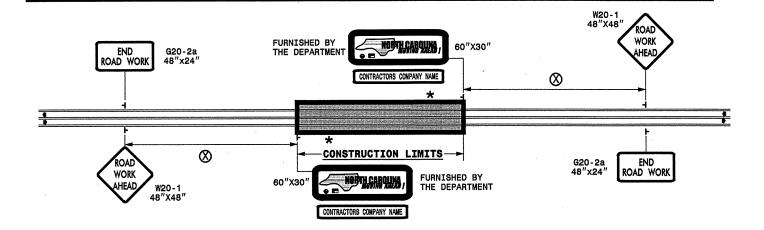








CONTRACTORS COMPANY NAME 60" Max. X 12"



WBS Elements: 37670. 5CR.10321.8 & 5CR.20321.8

RECOMMENDED MINIMUM SIGN SPACING

POSTED SPEED LIMIT (M.P.H.)	⊗
P.S.L. ≤ 50	350'
P.S.L. ≥ 55	500′



THIS SIGN TO BE USED ON PROJECTS LONGER THAN 2 MILES THE NUMBER DISPLAYED ON THE SIGN IS TO BE A WHOLE NUMBER ROUNDED UP TO THE NEXT MILE

IT'S TO BE LOCATED 1,500 FEET INSIDE OF THE CONSTRUCTION LIMITS

PROJ. REFERENCE NO. SHEET NO. See to the Left NCMA - 1

> NORTH CAROLINA HIGHWAYS ż PF DIVISION PF OF. STATE

> > ADVANCE

FOR

DRAWING

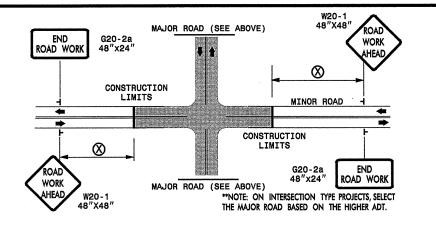
SIGNS

ZONE

WORK

WARNING

(-Y- LINES) **INTERSECTIONS**



FREEWAYS/INTERSTATES

DUAL MOUNT "ROAD WORK AHEAD" SIGNS 1,000' IN ADVANCE OF PROJECT LIMITS

DUAL MOUNT "MOVING AHEAD" SIGNS 500' IN ADVANCE OF PROJECT LIMITS

 		-1	
			4
 	 		-
		4	
			•
 	 		-

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL: MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED. USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.

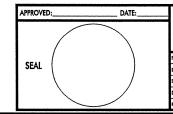
LEGEND

- STATIONARY SIGN

■ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

ETAIL



ADVANC	E WA	RNING	WORK	ZONE
SIGNS	FOR	"MOVI	NG AH	EAD"

SCALE:	NONE	Г
DATE:	07/03	l
DWG, BY:	JSK	ı
DESIGN BY:	JSK	ı
REVIEWED BY:	SK	L

OLNER #	REVI
The state of the s	11/04
	12/04
CONTROL	CADD

REVISIONS	
11/04	
12/04	
CADD	