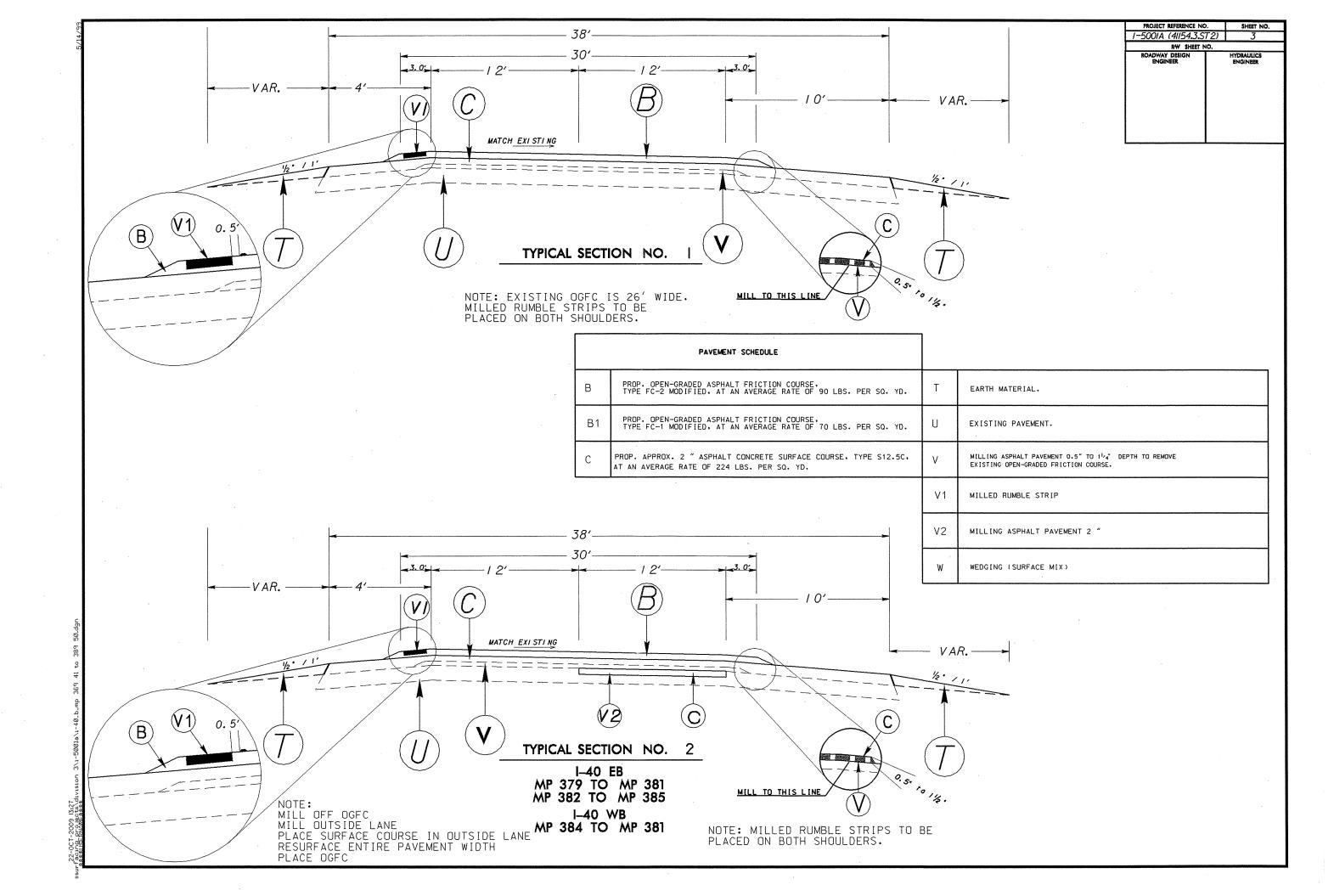
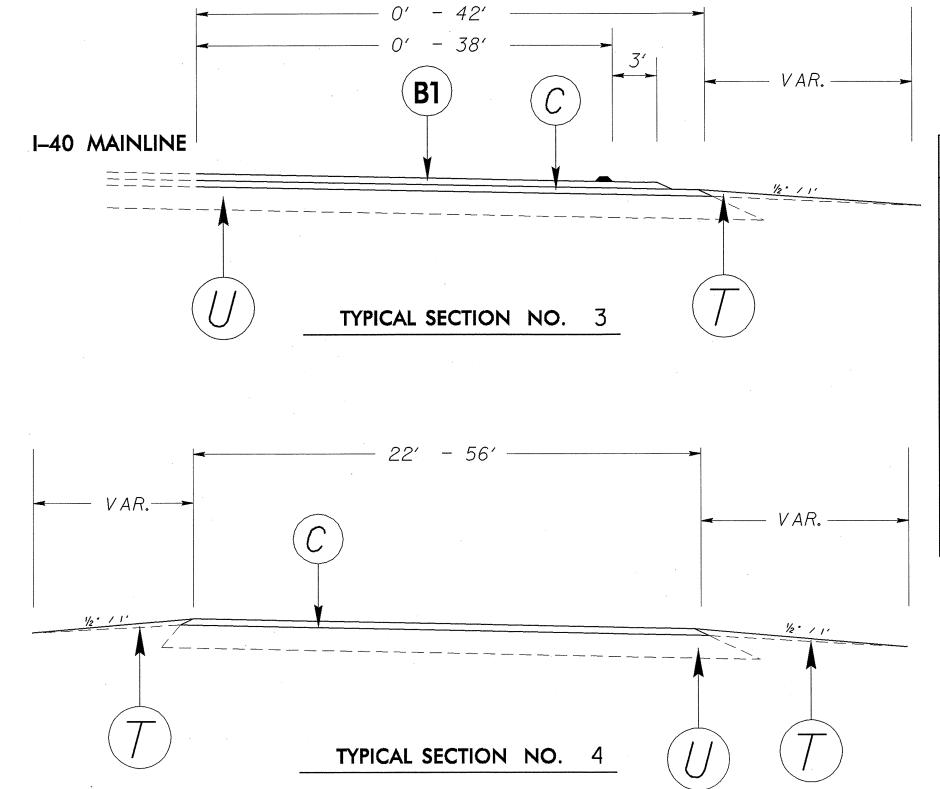
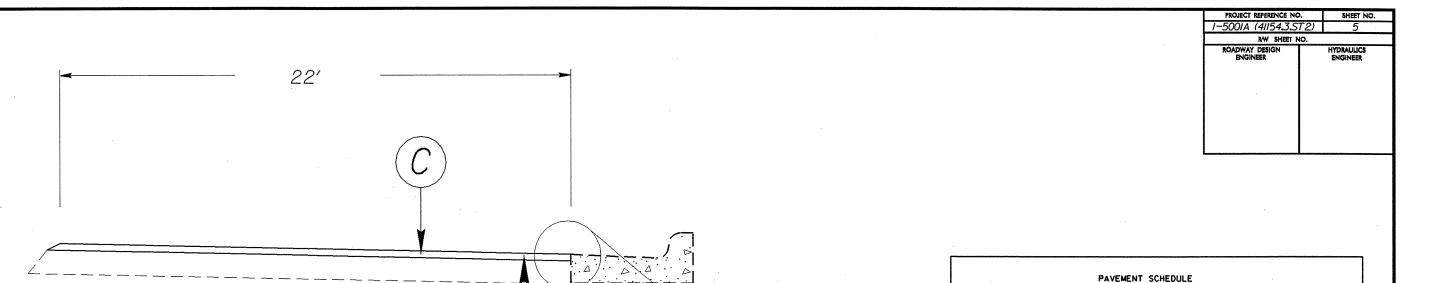
STATE OF NORTH CAROLINA N.C. I-5001A (41154.3.ST2) DIVISION OF HIGHWAYS TYPE OF WORK: RESURACING, MILLING, RUMBLE STRIPS POLYUREA PAVEMENT MARKING S AND **DUPLIN COUNTY** PAVEMENT MARKERS, ETC. LOCATION: I-40 FROM MP 369.41 TO MP 387.99 (PENDER CO. LINE) NUMBER Exit 369 Carlton Crossroads Kenansville Exit 373 Magnolia WB. 384 380 Exit 385 202491 PENDER COUNTY LINE NOT TO SCALE DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA HYDRAULICS ENGINEER GRAPHIC SCALES PROJECT LENGTH Prepared in the Office of: **DIVISION OF HIGHWAYS** 124 Division Dr., Wilmington, NC 28401 LENGTH OF ROADWAY PROJECT 41154.3.ST2 ONTR 2006 STANDARD SPECIFICATIONS RIGHT OF WAY DATE: $MAP \ NO.1 \ \& \ MAP \ NO.12 = 18.58 \ MI.$ ROADWAY DESIGN PROFILE (HORIZONTAL) $MAP \ NO. 23 \ & MAP \ NO. 24 = 1.51 \ MI.$ TECHNICIAN TOTAL LENGTH OF PROJECT LETTING DATE: (EXCLUDING RAMPS) = 20.09 MI.JAN 19, 2010 PROFILE (VERTICAL)

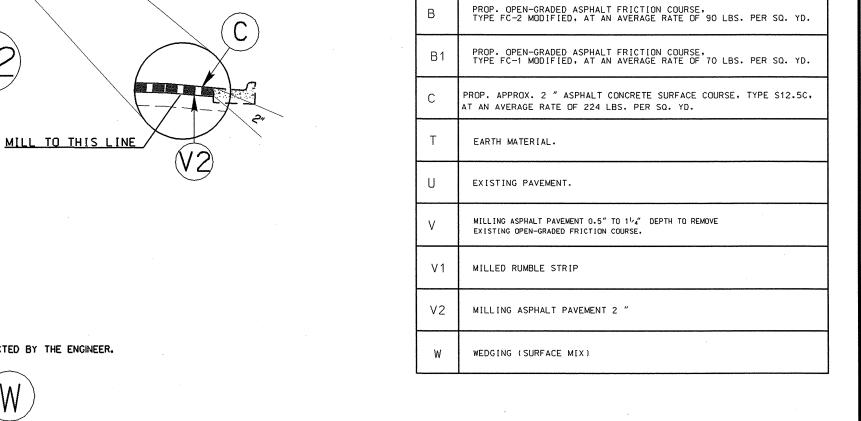


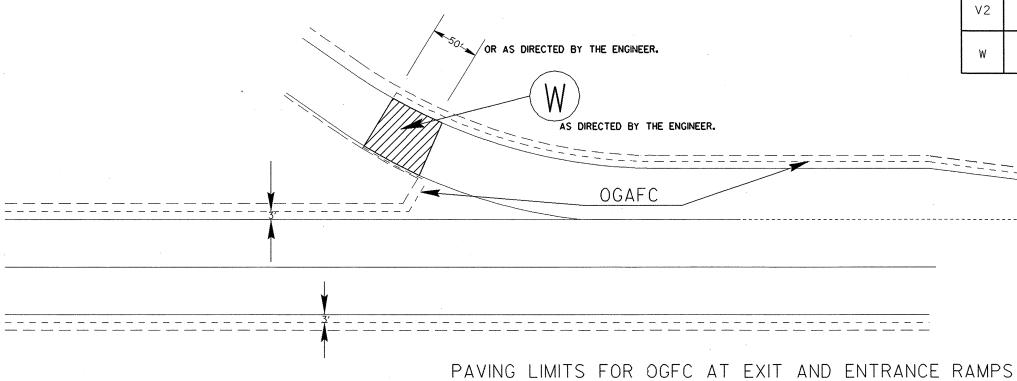
PROJECT REFERENCE NO	SHEET NO.
1-500IA (41154.3.S	
RW SHEET N	
ROADWAY DESIGN ENGINEER	HYDRAULICS Engineer



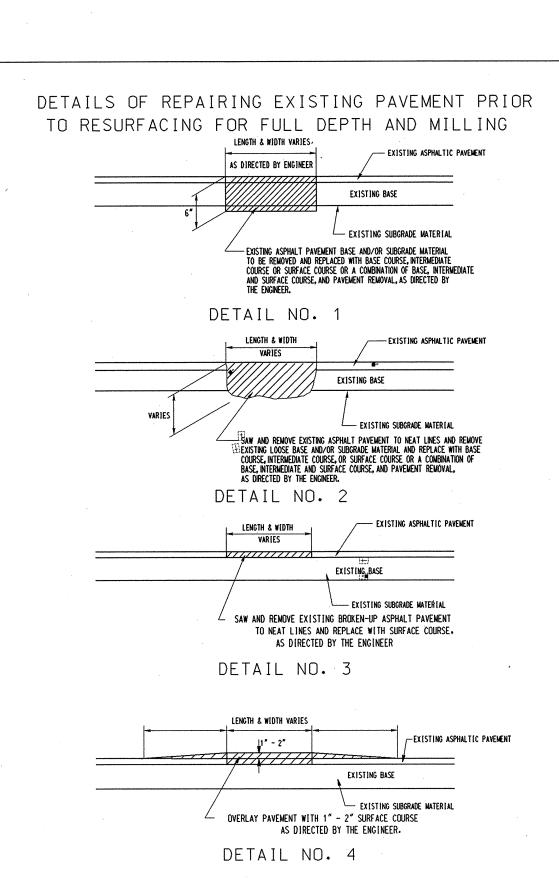
	PAVEMENT SCHEDULE
В	PROP. OPEN-GRADED ASPHALT FRICTION COURSE. TYPE FC-2 MODIFIED. AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
B1	PROP. OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
С	PROP. APPROX. 2 " ASPHALT CONCRETE SURFACE COURSE. TYPE S12.5C. AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
Т	EARTH MATERIAL.
U	EXISTING PAVEMENT.
٧	MILLING ASPHALT PAVEMENT 0.5" TO 1 ¹ / ₄ " DEPTH TO REMOVE EXISTING OPEN-GRADED FRICTION COURSE.
V1	MILLED RUMBLE STRIP
V2	MILLING ASPHALT PAVEMENT 2 "
W	WEDGING (SURFACE MIX)

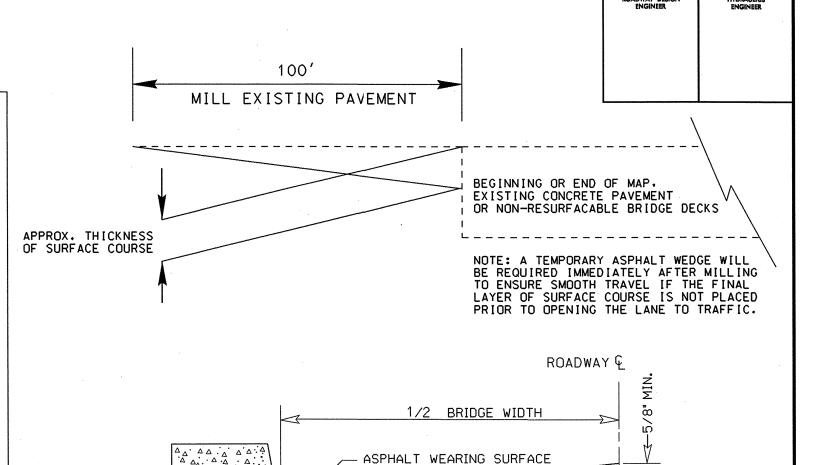






TYPICAL SECTION NO.





-5001A (41154,3,ST2) RW SHEET NO.

BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

SYMMETRICAL ABOUT THIS & ->

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5001A (41154.3.ST2)	7	10

SUMMARY OF QUANTITIES

Figure F	SUMMARY OF QUANTITIES PROJECT COUNTY MAP ROUTE DESCRIPTION TYP LENGTH WIDTH BORROW INC. SHOULDER 2" 1/2" INC. SURFACE LEVELING PG 70-22 OGFC, O																																		
98	PROJECT	OUNTY MA	AP ROUTE	DESCRIPTION	TYP LE	NGTH V	VIDTH		STONE			то		COURSE,	COURSE,	PLANT	PG 76-22 PLANT MIX	FC-1	FC-2	(MILL)	(FULL	RUMBLE	EXISTING	GR	ANCHOR	ANCHOR	& RESET	STEEL	SILT		FOR TEMP	(EROSION		LOOP	CABLE
## 15 1	1 . 1								BASE					S12.5C	S12.5C	MIX		MODIFIED	MODIFIED		DEPTH)	STRIPS	PAVEMENT	POSIS			EXIST. GR		FENCE		SEEDING	CONTROL)	1	SAWCUT	(14-2)
Company Comp	NO	N	О		NO	MI	FT	CY	TONS	SMI	SY		SY	TONS	TONS	TONS	TONS	TONS	TONS	TON	TONS	LF	TONS	EA			LF	LF	LF	AC	LBS	SY	AC	LF	LF
		Dunlin 1	1 140 EB		1 1	3 59	30	5 199		27.16		207 140	844	30 164	840	2 201	651		10.849	515	52	143 405		20	1	1	400	400	1 359	13.50	330 50	100	20.37	60	200
1	(41154.5.512)	Dupin	1 1-40 CD								14,080		044		1 040									20	 		400	400				100			200
Description of the content of the			,		2	3	38	1,146		6.00	21,120	45,760		11,410		628	144			795		31,680							300	3.00	75.00		4.50	~~~	
1 2 OFF PAY POLY OF THE PAY POLY OF TH		TOTAL FOR	R MAP NO. 1		1 1	18.58		7,098		37.16	35,200	283,407	2,532	58,181	840	3,247	891		14,844	1,830	184	196,205		20	4	4	400	400	1,858	18.58	464.50	100	27.87	60	200
Fig. 10 Fig.		2	EXIT RAMP TO US 11	7 EXT 369, EXT RAMP TAPER (0'-	3	0.2	21				1			335	,	18	4	67																	
Column C				EXIT 369, EXIT RAMP FULL WIDTH			22				1.549			201		11																			
TOTAL FOR MAN NO. 9 1 9 10 10 10 10 10 10 10 10 10 10 10 10 10			_					40	450	0.04						_													1				0.00		
S. STROWNER FOR PART OF COLUMN TO STROWNER FRANCE	ļl	TOTAL FOR	MAP NO 2	EXIT 369, EXIT RAMP FULL WIDTH			22				1 549	 	<u> </u>			31	4	67	 			-	3	0	1 0				 	0.00					
Part		TOTALION		EXIT 369, ENTRANCE RAMP FULL						0.04	1,040	 			 		 					†			 					1					
TOTAL PORT NAME 10 10 10 10 10 10 10 1		3	3 FROM US 117		4	0.27	22	137	150	0.54		 		452	ļ	25	ļ	ļ				 	3		ļ				 	 			0.41		
TOTAL FOR MAP TO SET 1902 OFFI TOTAL FOR MAP TO SET 1902 OFFI					3	0.24	21					ļ		384		21	5	80											1	1				J	ı l
## A 24900 ## A 24900 ## A 2		TOTAL FOR						137	150	0.54	1					46	5	80					3	0	0					0.00		***	0.41		
TOTAL FOR MAP NO.					3	0.1	21							160		۰	2	33					<i>'</i>												
TOTAL FOR MAN NO. 4 SPATISHING SAME FINANCE FRAME POLA SPATISHING SAME FINANCE FRAME			24/903				-				1	 			<u> </u>			- 00			7.								 	<u> </u>					
S FRENKLY CARDON ENT TAYLO CARDON ENT TAYLOR CARDON EN		TOTAL FOR	" "	EXIT 373, EXIT RAMP FULL WIDTH							-	ļ	ļ		 		 	22				 	3		 			ļ	 	1 000					
S FROM NC 24490 WIDTH 4 0.2 22 102 190 0.40 336 18	<u> </u>	TOTAL FOR		EXIT 373, ENTRANCE RAMP FULL		0.3		102	150	0.40	 	 	 	493	<u> </u>	21	1-2	33	 			 	- 3 -		 			ļ	 	0.00			0.30	\longrightarrow	$\overline{}$
TOTAL FOR MAP NO. 5 Column Column				WIDTH	- 4	0.2	22	102	150	0.40				335		18							3										0.30		
TOTAL FOR MAP NO.5							24				1			204		24	5	00																1	
Column C	ļ	TOTAL FOR	R MAP NO. 5	TAPER (0-42)				102	150	0.40	+	 	 		1		5	80	 			 	3	0	0				 	0.00			0.30		$\overline{}$
TOTAL FORMAND RANGE PART PART ON CHI A 0.19 22 97 150 0.38 318 18 18 3 3 0 0 0.09 0.29				EXIT 380, EXIT RAMP TAPER (0'-													3	1																•	
TOTAL FORMAP NO. 6 Total Formap No. 6 201 300, Entrance Ramp Full 4 0.20 22 127 150 0.50			. "					97	150	0.38						18							3										0.29		
FROM SR 1102 WIDTH 4 0.25 22 17 150 0.50 419 23		TOTAL FOR	R MAP NO. 6	Extr 600, Extr 10 ton 1 GEE WID 111				- 0,			 	 	†		 		3	43	· · · · · ·		 	†	3	0	0			ļ	 	0.00					$\overline{}$
EXTSSS_ENTRANCE RAMP TAPER (0*-2) 3 0.22 21 127 150 0.50 771 42 5 73 3 0 0 0.00 0.38 18 1 1 1 1 1 1 1 1				EXIT 380, ENTRANCE RAMP FULL										T																					
TOTAL FOR MAP NO. 7 TOTAL FOR MAP NO. 7 TOTAL FOR MAP NO. 8 EXIT 384, EXIT RAMP TAPER (0'-42') 3 0.02 21 12 150 0.50 771 142 5 73 3 0 0 0 0.00 0.38 8 EXIT RAMP TON C11			7 FROM SR 1102		4	0.25	22	127	150	0.50	 		 	419		23	ļ	-	ļ		·	<u> </u>	3		 				 	 			0.38		
S EXIT SAM, EXIT RAMP TO NC 11 EXIT 384, EXIT RAMP FULL WIDTH 4 0.2 22 102 150 0.40 335 18 3 0 0 0.30 0			* "				21									1	5													1					
S EXT RAMP TO NC 11		TOTAL FOR	R MAP NO. 7	EVIT 204 EVIT DAMP TAPED (0)	 	0.47		127	150	0.50	 	 	ļ	771	 	42	5	73	ļ			_	3	0	0	ļ	ļ	ļ	ļ	0.00			0.38		
TOTAL FOR MAP NO. 8 SENTRANCE RAMP LAND LAND			8 EXIT RAMP TO NC 1		3	0.12	21							192		11	3	40												1					
TOTAL FOR MAP NO. 8 SENTRANCE RAMP LAND LAND				EVIT 384 EVIT DAMP ELILI WIDTH		0.2	22	102	150	0.40		1		335		18	1						ا ء					1					0.30		i
Second S	1	TOTAL FOR	R MAP NO. 8	EXIT 304, EXIT IONNI TOLE WIDTH							-	 					3	40				 	3	0	0		 	 	 	0.00					$\overline{}$
EXIT 384, ENTRANCE RAMP TAPER (0-42') 3 0.23 21	T		ENTRANCE RAMP			- T						†																							
TAPER (0'-42') 3 0.23 21			9 FROM NC 11		4	0.2	22	102	150	0.40		 	!	335	 	18	 	ļ	 	ļ		 	3	ļ	<u> </u>		ļ	ļ	 	 			0.30		
TOTAL FOR MAP NO. 9 10 EXIT RAMP TO NC 41 EXIT 385, EXIT RAMP FULL WIDTH 4 0.2 22 102 150 0.40 489 335 18 3 0 0 0 0.30	1 1	.			3	0.23	21						į	368		20	5	77										ļ	1.						1
10 EXIT RAMP TO NC 41 42') 3 0.1 21 160 9 2 33		TOTAL FOR	R MAP NO. 9					102	150	0.40							5						3	0	0					0.00			0.30		
TOTAL FOR MAP NO. 10			IN EVIT BAND TO NO 1	EXIT 385, EXIT RAMP TAPER (0'-		0.1	21							100			2	22																	1 7
TOTAL FOR MAP NO. 10	—	 1	EXII KAMP TO NC 4	42')	+ 3 +	0.1	21				 	†	 	160	 	1 3		1 33	 			 			 	 	 		 	 	 				$\overline{}$
ENTRANCE RAMP EXIT 385, ENTRANCE RAMP FULL			* *	EXIT 385, EXIT RAMP FULL WIDTH			22					<u> </u>			L		<u> </u>						3		ļ				<u> </u>						
11 FROM NC 41 WIDTH	-	TOTAL FOR		EVIT 395 ENTRANCE DAMP EUL		0.3		102	150	0.40	489	 	 	495	 	27	2	33	ļ			 	3	0	 0		 		-	0.00			0.30		
TAPER (0'-42') 3 0.22 21 352 19 12 73 123		1		WIDTH		0.2	22	102	150	0.40	489	ļ		335		18							3										0.30		
TOTAL FOR MAP NO. 11 0.42 102 150 0.40 489 687 37 12 73 123 0 0 0 0.30					3	0.22	21							352		19	12	73												1					
		TOTAL FOR	R MAP NO. 11			0.42		102	150	0.40	489			687		37	12	73	123				3.	0	0				I	0.00			0.30		

2006 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated July 18, 2006 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE

DIVISION 6 - ASPHALT BASES AND PAVEMENTS
665.01 Milled Rumble Strips - Asphalt Pavements

DIVISION 8 - INCIDENTALS

816.04 Markers for Drainage Structure and Concrete Pad

862.01 Guardrail Placement

862.02 Guardrail Installation

862.03 Structure Anchor Units 862.04 Anchoring End of Guardrail - B-77 and B-83 Anchor Units

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5001A (41154.3.ST2)	8	10

SUMMARY OF QUANTITIES

PROJECT COUN	NTY MA	AP ROUTE	DESCRIPTION	TYP LENG	THWIDT	BORROW EXC.	INC. STONE	SHOULDER RECON.	2" MILLING	1/2" TO			LEVELING COURSE,		PG 76-22 PLANT MIX		OGFC, FC-2	PATCHING (MILL)	PATCHING (FULL		WEDGING EXISTING	ADD'L GR	GR ANCHOR	GR ANCHOR	REMOVE & RESET	REPAIR STEEL		TEMP MULCHING			SEED & MULCHING	INDUCTIVE LOOP	LEAD-IN CABLE
							BASE			1 1/4" MILLING		S12.5C	S12.5C	MIX		MODIFIED	MODIFIED	1	DEPTH)		PAVEMENT	POSTS	UNITS, TYPE 350	UNITS, TYPE B-77	EXIST. GR	BEAM GR	FENCE		SEEDING	CONTROL)		SAWCUT	(14-2)
NO	N	10		NO MI	FT	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	TON	TONS	LF	TONS	EA	EA	EA	LF	LF	LF	AC	LBS	SY	AC	LF	LF
I-5001A (41154.3.ST2) Dup	olin 1	12 I-40 WB	MP 387.99 (CO. LINE) TO MP 384, MP 381 TO MP 369.41	1 15.5	58 38	5,952		31.16		237,646	1,688	44,932	840	2,518	747		12,447	1,110	111	164,525		20	4	4	400	400	1,558	15.58	389.50	100	23.37	60	200
		" "	MP 384 TO MP 381			1,146	4			45,760		11,410	940	628 3,146	144 891		2,397 14,844	1,230 2,340	123	31,680 196,205		20			400	400	300 1,858	3.00 18.58	75.00 464.50	100	4.50 27.87	60	200
101/	AL FOR	R MAP NO. 12	EXIT 385, EXIT RAMP TAPER (0'-	18.5	8	7,098	+	37.16	21,120	283,406	2,532	56,342	840	3,146	891		14,644	2,340	234	190,205	 	20	4	4	400	400	1,000	10.36	464.50	100	21.01	60	200
	1	13 EXIT RAMP TO NC 41	42')	2 0.1	4 21				ļ			224		12	3 -	47	·	ļ	ļ										ļ				
	.		EXIT 385, EXIT RAMP FULL WIDTH	4 0.1	9 22	97	150	0.38	489			318		18							3								ŀ		0.29		
тот	AL FOR	R MAP NO. 13		0.3	3	97	150	0.38	489			542		30	3	47					3	0	0					0.00			0.29		
	1,	ENTRANCE RAMP FROM NC 41	EXIT 385, ENTRANCE RAMP FULL WIDTH	4 0.1	8 22	92	150	0.36	489			301		17							3								İ		0.27		
		110	EXIT 385, ENTRANCE RAMP	1		T	1																										
TOT	AL EOB	" " R MAP NO. 14	TAPER (0'-42')	3 0.2 0.3		92	150	0.36	489	 		336 637		18	4	70 70		ļ	 	+	3	0	0					0.00	 		0.27		\vdash
101/	AL FOR	(WAF NO. 14	EXIT 384, EXIT RAMP TAPER (0'-	1 1 0.5		+	100	0.50	1 403						-			<u> </u>		+	<u> </u>	 						0.00	 		V.2.		
	1	15 EXIT RAMP TO NC 11		3 0.1	1 21		1	 				176		10	2	37		 	<u> </u>	 	ļ		ļ						 				1
	.	- -	EXIT 384, EXIT RAMP FULL WIDTH	1 4 0.2	2 22	102	150	0.40				335		18				1			3										0.30		
TOT	AL FOR	R MAP NO. 15		0.3	1	102	150	0.40				511		28	2	37					3	0	0					0.00			0.30		\Box
	1	ENTRANCE RAMP 16 FROM NC 11	EXIT 384, ENTRANCE RAMP FULL WIDTH	4 0.2	2 22	102	150	0.40		1		335		18							3										0.30		
	- '	16 PROMING II	EXIT 384, ENTRANCE RAMP			102	130	0.40	 	†												 			 				 		0.00		
		*	TAPER (0'-42')	3 0.2		100	1.50			ļ		352		19	5	73 73		<u> </u>							 			0.00			0.30		
TOT	AL FOR	R MAP NO. 16	EXIT 380, EXIT RAMP TAPER (0'-	0.4	2	102	150	0.40	+	 		687		37	5 .	13		 	 	 	3	0	0					0.00	 		0.30		
	1	17 EXIT RAMP TO SR 1102	42')	3 0.1	1 21							176		10	2	37		<u> </u>							<u> </u>								
		, ,	EXIT 380, EXIT RAMP FULL WIDTI	4 0.2	2 22	112	150	0.44				368		20				1			3										0.33		
TOT	AL FOR	R MAP NO. 17	EXT 360, EXT RAIMF FOLL WIDT	0.3		112			+	 	-	544		30	2	37		 	 	+	3	0	0		 			0.00	—		0.33		\vdash
		ENTRANCE RAMP	EXIT 380, ENTRANCE RAMP FULL									005		21																	0.35		
		18 FROM SR 1102	WIDTH EXIT 380, ENTRANCE RAMP	4 0.2	3 22	59	150	0.46		ļ		385		21				 	 	-	3	 			 				 		0.35		\vdash
			TAPER (0'-42')	3 0.2								432		24	6	90																	
TOT	AL FOR	R MAP NO. 18 EXIT RAMP TO NO	EXIT 373, EXIT RAMP TAPER (0'-	0.5	5	59	150	0.46		ļ	-	817		45	6	90		ļ	 		3	0	0		 	<u> </u>		0.00	<u> </u>		0.35		
	1	19 24/903	42')	3 0.1	3 21							208		11	3	43					<u> </u>												
		_	ENT OF ENT BANG FIRE MIDT	1 1 00		140	450	0.44				368		20																	0.33		1
TOT	AL FOR	R MAP NO. 19	EXIT 373, EXIT RAMP FULL WIDTI	4 0.2 0.3		112	150 150	0.44 0.44	-	 	 	576		31	3	43		 	+	+	3	0	0		 			0.00	 		0.33		+
T T		ENTRANCE RAMP	EXIT 373, ENTRANCE RAMP FULI	.						<u> </u>										1													
	2	20 FROM NC 24/903	WIDTH EXIT 373, ENTRANCE RAMP	4 0.1	8 22	92	150	0.36		 		301		17	ļ			ļ	<u> </u>		3	 				ļ			 	ļ	0.27		
			TAPER (0'-42')	3 0.2								448		25	6	93																	
TOT	AL FOR	R MAP NO. 20		0.4	16	92	150	0.36		L		749		42	6	93				 	3	0	0		 			0.00	-		0.27		
	1 2	21 EXIT RAMP TO US 117	EXIT 369, EXIT RAMP TAPER (0'- 42')	3 0.1	2 21							192	.	11	- 3	40																	
						1	1	T	1																						0.53		
TOT	TAL FOR	" " R MAP NO. 21	EXIT 369, EXIT RAMP FULL WIDTI	4 0.3 0.4			150 150	0.70 0.70		 		586 778		32 43	3	40		 	 	 	3	0	0		 	-		0.00	 		0.53		\vdash
1.01		ENTRANCE RAMP	EXIT 369, ENTRANCE RAMP FULI	.			1																						†				
	2	22 FROM US 117	WIDTH EXIT 369, ENTRANCE RAMP FULI	4 0.0)4 22	20	150	0.08		 	 	67		4		ļ		<u> </u>	<u> </u>	-	3	ļ		<u> </u>	ļ	-		ļ	1	ļ	0.06		\vdash
			WIDTH, C&G	5 0.2					2,581			335		18				<u> </u>															
		R MAP NO. 22		0.2			150	0.08	2,581		400	402		22	70		4.000	400	10	45.040	3	0	0				454	0.00	27.75		0.06 2.27		
	nder 2	23 I-40 EBL R MAP NO. 23	MP 387.99 TO MP 389.50	1 1.5		577 577		3.02 3.02		23,032 23,032		4,355 4,355		240 240	72		1,206 1,206	100	10	15,946 15,946	 	0	0	 		 	151 151	1.51 1.51	37.75 37.75	 	2.27	 	
	2	24 I-40 WBL	MP 389.50 TO 387.99	1 1.5	51 38	577		3.02		23,032	422	4,355		240	72		1,206	150	15	15,946							151	1.51	37.75		2.27		
		R MAP NO. 24	<u> </u>	1.5		577	2.000	3.02	62.400	23,032	422	4,355 135,804	1 690	240	72	1 120	1,206		15	15,946 424,302		40	8		900	800	151		37.75 1,004.50	200	2.27 66.19	120	400
101AL FOR P	KOJ NO	D.I-5001A (41154.3.ST2)	J	47.8	03	17,299	3,000	88.24	02,406	1 012,0//	1 2,808	135,604	1,680	7,561	2,000	1,128	32,223	4,420	1 443	1 424,302	60	1 40	. •	. •	1 000	1 000	4,010	40.10	1,004.30	1 200	1 00.19	1. 120	
		D TOTAL		47.8	93	17 200	3 000	88 24	62 406	612 877	5 908	135 804	1 680	7 564	2.006	4 420	22 222	4.420	443	424 302	60	40	8	8	800	800	4.018	40.18	1 004 50	200	66.19	120	400

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5001A (41154.3.ST2)	9	10

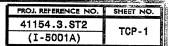
POLYUREA, THERMOPLASTIC AND PAINT QUANTITIES

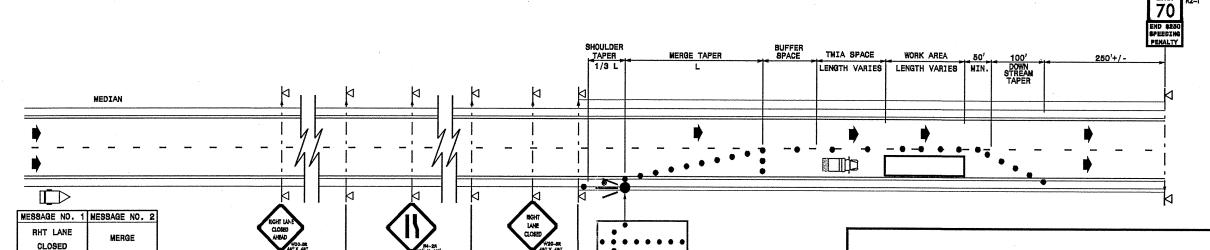
	T			1441		1 44200000000-N					4725000000-E						4840000000-N		845000000-N	,	484710	0000 E	4947420000 =	847120000-E 4895000000-N 4900000000-N 490			
DDC 1505	COLINE		BOUTE	DESCRIPTION	FLASHING			24" X 120 M	4/21000000-E THERMO	THERMO	4725000000-E	THERMO	48100	4"	4820000000-E	24"	PAINT MSG	PAINT	PAINT	PAINT		6" YELLOW		SHOULDER	CYAN & RED	SNOW	
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	ARROW		INIA	24" X 120 M	MSG	STR	LT	RT	WHITE	YELLOW	WHITE	WHITE	EXT	STR	LT	RT		POLYUREA	POLYUREA	MARKER FOR	MARKERS	PLOWABLE	
						MESSAGE		THERMO	EXT	ARROW	ARROW	ARROW			PAINT	PAINT	EXI	ARROW		ARROW	Highly	Highly	Highly	DRAINS 90	WARRERS	MARKERS	
			•	•	PANELS,	SIGNS	l	IMERNIO			90 M	90 M	PAINT	PAINT	PAINI	PAINI		ARROW	ARROW	ARROW	Reflective		Reflective	MILS	,	(C/R)	
1					TYPE C				120 MILS	90 M	90 W	90 W									Elements	Elements	Elements	WILS		(C/K)	
NO	1	NO			EA	EA	EA	LF	EA	EA	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	
I-5001A											 		T			1					<u> </u>						
(41154.3.ST2				MP 369.41 TO MP 379, MP 381 TO		1	l						1										}				
)	Duplin	1	I-40 EB	MP 382, MP 385 TO MP 387.99	2	2	2						179,256	143,405	3,056						89,628	71,702	1,535	15	1,793	896	
		"	· ·	MP 379 TO MP 381									26,400	21,120	450						13,200	10,560	226	1	264	132	
		"	11	MP 382 TO MP 385									39,600	31,680	675						19,800	15,840	339	8	396	198	
	T01	AL FOR	MAP NO. 1		2	2	2						245,256	196,205	4,181						122,628	98,102	2,100	24	2,453	1,226	
				EXIT 369, EXIT RAMP TAPER (0'-			l			1			1					1			l		1				
		2	EXIT RAMP TO US 117	42')																			300			15	
				EXIT 369, EXIT RAMP FULL WIDTH						İ						1.					1						
		"		(C&G)							<u> </u>	ļ	_			<u> </u>			ļ		ļ	634		ļ			
		1																1									
	<u></u>	"	***************************************	EXIT 369, EXIT RAMP FULL WIDTH		<u> </u>	<u> </u>			ļ		ļ					_	ļ	ļ		211	106				3	
	TO	AL FOR	MAP NO. 2			 		ļ		ļ		ļ				ļ		ļ			211	740	300			18	
	1	_		EXIT 369, ENTRANCE RAMP FULL		I					ì			l				}	1		4.700	1,426	100				
		3 EN	ITRANCE RAMP FROM US 117			 	ļ			 	·	ļ	 		ļ		ļ		ļ	ļ	1,782	1,426	100	 			
1 .		_		EXIT 369, ENTRANCE RAMP TAPER					,				į			i	,	ء ا			1		300			15	
				(0'-42')		 	 	 	3	3		 	 			 	3	3	 		1,782	1,426	400	 		15	
	10	AL FOR	MAP NO. 3	EXIT 373, EXIT RAMP TAPER (0'-			 				ļ	 		 	····	 	 		 		1,702	1,420	400	·		13	
		4	EXIT RAMP TO NC 24/903	42')			1							1			2]					300	ŀ		15	
		4	EXTERAIMP TO NC 24/903	42)			 	 		l	 	 	 	 		 	 	 	 		 	 	300	 		10	
				EXIT 373, EXIT RAMP FULL WIDTH						1	1				Ì						1,320	1,056	100			26	
	TO:	TAL EOD	MAP NO. 4	EXIT 373, EXIT RAIMP FOLL WIDTH			 	 		 	 	 	 	 		 	3		 		1,320	1,056	400	 		41	
<u></u>	1 10			EXIT 373, ENTRANCE RAMP FULL		 	<u> </u>	+		 	 	 	 				 	 			1,020	1,000	1			· · · · ·	
		5	24/903	WIDTH				1					Ì								1,320	1,056	100				
	 		2-11000	EXIT 373, ENTRANCE RAMP TAPER		 		 			 	 		 			1	<u> </u>	†	-	1	.,,		<u> </u>			
i			#	(0'-42')				1	9	3	1	1	İ				3	3				ļ	300	į		15	
	TO	AL FOR	MAP NO. 5	(* .2)		<u> </u>		·	9	3		 	†				3	3	†		1,320	1,056	400	 		15	
	T	T		EXIT 380, EXIT RAMP TAPER (0'-		 	<u> </u>			†			1														
		6	EXIT RAMP TO SR 1102	42')				ļ	1			1	ļ	1			1	ļ	-				300			15	
	 					1		 			1									-							
	1		н	EXIT 380, EXIT RAMP FULL WIDTH				į				1	1		İ		1				1,254	1,003	100	1		25	
	TO	AL FOR	MAP NO. 6																		1,254	1,003	400			40	
	T		ENTRANCE RAMP FROM SR	EXIT 380, ENTRANCE RAMP FULL																							
		7	1102	WIDTH								<u></u>						<u> </u>	İ		1,650	1,320	100				
				EXIT 380, ENTRANCE RAMP TAPER							1		1		l	1			İ	1			1			1	
		"	**	(0'-42')			<u> </u>		9	3							3	3			<u> </u>		300			15	
	TO.	AL FOR	MAP NO. 7				ļ		9	3					 	<u> </u>	3	3	ļ		1,650	1,320	400	ļ		15	
				EXIT 384, EXIT RAMP TAPER (0'-	ł				1				1		1	1			1							4.5	
		8	EXIT RAMP TO NC 11	42')			<u> </u>		ļ	ļ			-	ļ				 	ļ	ļ	ļ		300			15	
1				l			1		1		1 .	1 .	1		Ì					1	1.000	4.050	100			26	
	1			EXIT 384, EXIT RAMP FULL WIDTH			ļ	-		<u> </u>	1 1	 	 	 			 	 	1	1	1,320 1,320	1,056 1,056	400			41	
	TO	AL FOR	MAP NO. 8	EVITAGE ENTERINGE BAND FULL			ļ	_		 	 	11				 	 	 	 	<u> </u>	1,320	1,056	400	 		 	
		,	NTRANCE RAMP FROM NC 11	EXIT 384, ENTRANCE RAMP FULL WIDTH					1	1	1		1		1				1	1	1,320	1,056	100	1		1	
ļ	 	9 E	INTRANCE RAIVIP PROIVING TI	EXIT 384, ENTRANCE RAMP TAPER	 	 	 			 	+	 	+	 	 	 	 	 	 	 	1,020	1,000	100	 			
			м	(0'-42')	İ			ł	0	3	1	1	1		1		3	3			I		300		}	15	
	TO:	TAL FOR	MAP NO. 9	(0-42)	 	+	 	 	9	3	+	 	 	 	 	 	3	3	<u> </u>		1,320	1,056	400	 		15	
	1 10	T	W. 140. J	EXIT 385, EXIT RAMP TAPER (0'-		 	 		t	 	 	 	 	-	<u> </u>	· · · · · · · · · · · · · · · · · · ·	1	 	 	l	1 .,,,,,,	1 .,,,,,,,	 	1		T	
		10	EXIT RAMP TO NC 41	42')					1			Ì			1	1		1	1 '		ļ		300			15	
	 	 '` -		† -	l	 	1		†	1	1	1	1			<u> </u>	1	T	 		1		1	1		T	
			и	EXIT 385, EXIT RAMP FULL WIDTH				60	1	1	1 1	1				60		1	1	1	1,320	1,056	100	1		26	
	TOT	AL FOR	MAP NO. 10	1				60		1	1 1	1	1			60	1		1	1	1,320	1,056	400			41	
	T			EXIT 385, ENTRANCE RAMP FULL		T	1	1	1		1	1	1		1	T	T		T					T		1	
1		11 EI	NTRANCE RAMP FROM NC 41		I									L					<u> </u>		1,320	1,056	100				
	1			EXIT 385, ENTRANCE RAMP TAPER																							
1	1	"	er	(0'-42')	L	1	1		9	3				l			3	3	<u> </u>		<u> </u>	<u> </u>	300			15	
	TOT	AL FOR	MAP NO. 11						9	3							3	3			1,320	1,056	400			15	

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5001A (41154.3.ST2)	10	10

POLYUREA, THERMOPLASTIC AND PAINT QUANTITIES

PROJECT CO	OUNTY MAP	ROUTE	DESCRIPTION	FLASHING	4420000000-N					4725000000-E		40100	00000 - E !	4020000000-E	: 4835000000-E	4840000000-N	48	845000000-N	ł	484710	/0000-E	484/120000-E	4895000000-N	4900000000-N	14905000000-N
	OUNTTIWAP	KOUIE	DESCRIPTION :					THERMO	THERMO	THERMO	THERMO	4"	4"	8"	24"	PAINT MSG	PAINT	PAINT	PAINT			12" WHITE			SNOW
NO	1 1			ARROW	MESSAGE	Allyli	24" X 120 M WHITE	MSG	STR	LT	RT	WHITE	YELLOW	WHITE	WHITE	EXT	STR	LT	RT		6" YELLOW POLYUREA	POLYUREA	SHOULDER MARKER FOR	CYAN & RED MARKERS	PLOWABLE
NO		•		PANELS,	SIGNS		THERMO	EXT	ARROW	ARROW	ARROW	PAINT	PAINT	PAINT	PAINT	[^	ARROW	ARROW	ARROW	Highly		Highly	DRAINS 90	WARKERS	MARKERS
NO.				TYPE C	310113		THERWIO	120 MILS	90 M	90 M	90 M	FAST	FAIRT	PAINT	PAIN		ARROW	ARROW	AKKUW	Reflective	Highly Reflective	Reflective	MILS		(C/R)
NO.				111110			1 1	120 WILG	30 141	30 M	30 10		1							Elements	Elements	Elements	IVIILS		(6/K)
	NO			EA	EA	EA	LF	EA	EA	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA
I-5001A																									
(41154.3.ST2			MP 387.99 (CO. LINE) TO MP 384,																						1 '
) D	Duplin 12	1-40 WB	MP 381 TO MP 369.41	1	2	1						205,656	164,525	3,506						102,828	82,262	1,761	26	2,057	1,028
	"	н	MP 384 TO MP 381									39,600	31,680	675						19,800	15,840	339	1	396	198
	TOTAL FO	R MAP NO. 12	EVIT OOF EVIT DAARD TAREE (OI	1	2	1						245,256	196,205	4,181	_	ļ				122,628	98,102	2,100	27	2,453	1,226
	1.0	EV/IT DAMED TO NO //	EXIT 385, EXIT RAMP TAPER (0'-											000											1 '
	13	EXIT RAMP TO NC 41	42')											300	 	 						300			15
	,	н	EXIT 385, EXIT RAMP FULL WIDTH										- 1							1,254	1,003	100			25
ļ	TOTAL FO	R MAP NO. 13	EXT COO, EXT TO THE TOLE WILD TH											300						1,254	1,003	400	 		40
	101111	1110111101110	EXIT 385, ENTRANCE RAMP FULL				†								†					1,201	1,000				
	14	ENTRANCE RAMP FROM NC 41	WIDTH																	1,188	950	100			24
			EXIT 385, ENTRANCE RAMP TAPER																						
	- "	er	(0'-42')						3								3					300			15
	TOTAL FO	R MAP NO. 14							3								3			1,188	950	400			39
			EXIT 384, EXIT RAMP TAPER (0'-																						1
	15	EXIT RAMP TO NC 11	42')	·····		····									ļ							300			15
	.		EVIT 204 EVIT DAMP EUL MIDTU																	4.000	4.050	400			26
	TOTAL FO	R MAP NO. 15	EXIT 384, EXIT RAMP FULL WIDTH		·		-								-					1,320 1,320	1,056 1,056	100 400			41
	TOTAL FO	NIAP NO. 19	EXIT 384, ENTRANCE RAMP FULL				 					 			 					1,320	1,056	400	-		41
	16	ENTRANCE RAMP FROM NC 11	WIDTH										1							1,320	1,056	100			26
			EXIT 384, ENTRANCE RAMP TAPER																	1,020	1,000				
1	"	*	(0'-42')						3				1				3					300			15
	TOTAL FO	R MAP NO. 16				'			3								3			1,320	1,056	400			41
			EXIT 380, EXIT RAMP TAPER (0'-																						
	17	EXIT RAMP TO SR 1102	42')									L			L							300			15
			EXIT 380, EXIT RAMP FULL WIDTH												<u> </u>					1,452	1,162	100			29
	TOTAL FO	R MAP NO. 17		~~~~~~			ļ					ļ						ļ		1,452	1,162	400			44
	10	ENTRANCE RAMP FROM SR 1102	EXIT 380, ENTRANCE RAMP FULL WIDTH										1		1					4.540	4.044	100	ł		30
	- 1°	1102	EXIT 380, ENTRANCE RAMP TAPER				 								 	 		 		1,518	1,214	100			30
	.	u	(0'-42')						3				1		1		3					300	1		15
ļ	TOTAL FO	R MAP NO. 18	(0 12)				†		3					···			3	 		1,518	1,214	400	<u> </u>		45
	1000	110110	EXIT 373, EXIT RAMP TAPER (0'-												 			1		1,0.0	.,,	100			,,,
	19	EXIT RAMP TO NC 24/903	42')									l i			1							300			15
															T										
	"	#	EXIT 373, EXIT RAMP FULL WIDTH												<u> </u>					1,452	1,162	100			29
	TOTAL FO	R MAP NO. 19																		1,452	1,162	400			44
		ENTRANCE RAMP FROM NC	EXIT 373, ENTRANCE RAMP FULL										ŀ							4.400	050	400			1 '
 	20	24/903	WIDTH	·	ļ							 			 			ļ		1,188	950	100			24
		н	EXIT 373, ENTRANCE RAMP TAPER						2				l				2					300			15
ļ		R MAP NO. 20	(0'-42')		 		1		3			 			 	 	3	 	<u> </u>	1,188	950	400	 		39
	101210		EXIT 369, EXIT RAMP TAPER (0'-												†	†i		 			- 555				
	21	EXIT RAMP TO US 117	42')										I		1 .							300			15
									***************************************					***************************************	1										
	"	. 11	EXIT 369, EXIT RAMP FULL WIDTH				1					L								2,310	1,848	100			46
	TOTAL FO	R MAP NO. 21																		2,310	1,848	400			61
		·	EXIT 369, ENTRANCE RAMP FULL										1		1										1 - '
	22	ENTRANCE RAMP FROM US 117	WIDTH				_			ļ		ļl			 	ļ				264	211	100	ļ		5 '
		ti	EXIT 369, ENTRANCE RAMP FULL										- 1								1.050				1 '
 	TOTAL 50	R MAP NO. 22	WIDTH, C&G		 		+					 			 			1		264	1,056 1,267	100	 		5
1 6.	Pender 23	I-40 EBL	MP 387.99 TO MP 389.50		 		 	<u> </u>		-		19 032	15,946	340	+	 		 		9,966	7,973	100 171	-	199	100
	TOTAL FO	R MAP NO. 23	1VII 001,00 10 IVIF 000.00		 		 			 		19,932	15,946	340	+	 	L	 		9,966	7,973	171	 	199	100
	24		MP 389.50 TO 387.99		tt		 					19,932	15,946	340	 			 		9,966	7,973	171		199	100
	TOTAL FO	R MAP NO. 24										19,932	15,946	340	1					9,966		171		199	100
TOTAL	***************************************			3	4	3	60	39	27	2	2		424,302	9,342	60	18	27	2	2		234,643	12,142	51	5,304	3,307
IUIALI	_ FUR PRUJ NO	D. I-5001A (41154.3.ST2)								31			1,678					31			,914				
	GRAN	D TOTAL	ļ	33	4	3	60	39	27	2	2		424,302	9,342	60	18	27	2	2		234,643	12,142	51	5,304	3,307
L			ll		L1				L	31		954	1,678			J	L	31		525	,914	L	L		<u> </u>





1000'

500' SPEED LIMIT 55

LEGEND FLASHING ARROW PANEL (TYPE C) TRUCK MOUNTED IMPACT ATTENUATOR (TMIA) DRUM PORTABLE SIGN DIRECTION OF TRAFFIC FLOW CHANGEBLE MESSAGE SIGN

LEFT

1 MILE MIN.

INITIAL PLACEMENT

(SEE GENERAL NOTES)

2700'

SPEED ZONE

AHEAD

1600'

AHEAD

CHANGEABLE MESSAGE SIGN

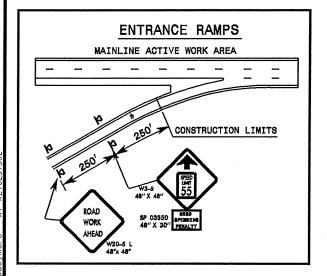
GENERAL NOTES

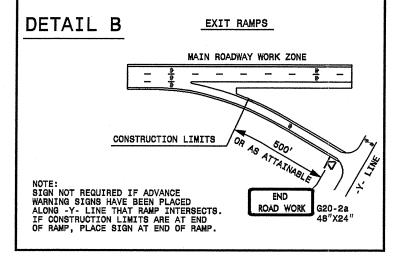
EXISTING POSTED

SPEED LIMIT

SPEED LIMIT

- 1. THIS DRAWING IS INTENDED TO SHOW THE PORTABLE SIGN LOCATIONS REQUIRED FOR A "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION ON A FREEWAY WHICH IS TO BE REDUCED FROM 70 MPH TO 55 MPH. REFER TO THE ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9. FOR ADDITIONAL LANE CLOSURE REQUIREMENTS AND GENERAL NOTES.
- EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION. THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED TO HAVE THE SPEED LIMIT REDUCED.
- 3. IN ADDITION, FOR ACTIVE WORK AREAS THAT EXCEED 1 MILE IN LENGTH. AN EVALUATION IS TO BE MADE TO DETERMINE IF ADDITIONAL SIGNS ARE NEEDED TO SUPPLEMENT THE INITIAL ONES. PORTABLE MOUNTED W3-5 SIGNS WITH SPEED PENALTY SIGNS ARE TO BE PLACED ALONG ENTRANCE RAMPS LOCATED WITHIN THE ACTIVE WORK AREA.
- THE \$250 SPEEDING PENALTY APPLIES FOR ALL PROJECTS THAT QUALIFY FOR A "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION. PORTABLE SIGNS ARE TO BE USED TO DISPLAY THE \$250 SPEEDING PENALTY.
- THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION IS ONLY IN EFFECT WHEN WORKERS ARE PRESENT WHILE A LANE CLOSURE IS IN PLACE AND/OR THERE IS IS A 2" OR GREATER DROP-OFF BETWEEN OPEN LANES OF TRAFFIC. THE PORTABLE SPEED LIMIT AND SPEED PENALTY SIGNS ARE TO BE REMOVED WHEN WORKERS AREN'T PRESENT OR THE LANE CLOSURES ARE REMOVED. AT THE COMPLETION OF THE PROJECT, THE RESIDENT ENGINEER SHALL NOTIFY THE REGIONAL TRAFFIC ENGINEER TO RESCIND THE ORDINANCE.
- 6. WHEN "WORK ZONE VARIABLE SPEED LIMIT" REDUCTIONS ARE IN EFFECT, THE CONTRACTOR IS TO COVER ANY EXISTING SPEED LIMIT SIGNS LOCATED WITHIN THE ACTIVE WORK AREA THAT CONFLICT WITH THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION.
- 7. 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 BY THE ENGINEER.
- SINGLE MOUNTED 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.
- 10. THE "WORK ZONE VARIABLE SPEED LIMIT" REDUCTION MUST BE ORDINANCED AND SIGNED BY THE STATE TRAFFIC ENGINEER BEFORE ANY SPEED LIMIT SIGNS ARE USED FOR REDUCING THE SPEED LIMIT.





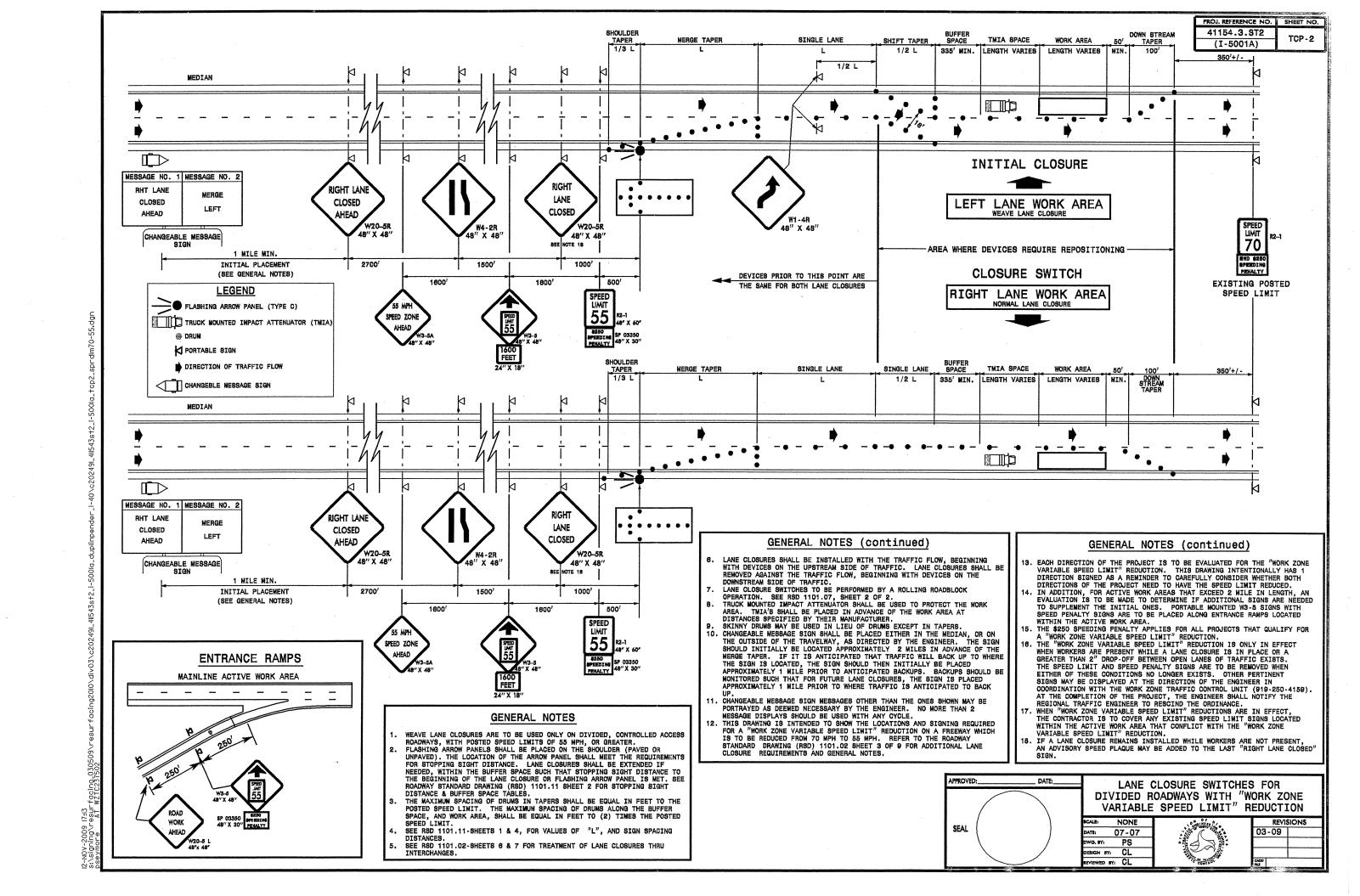
1500

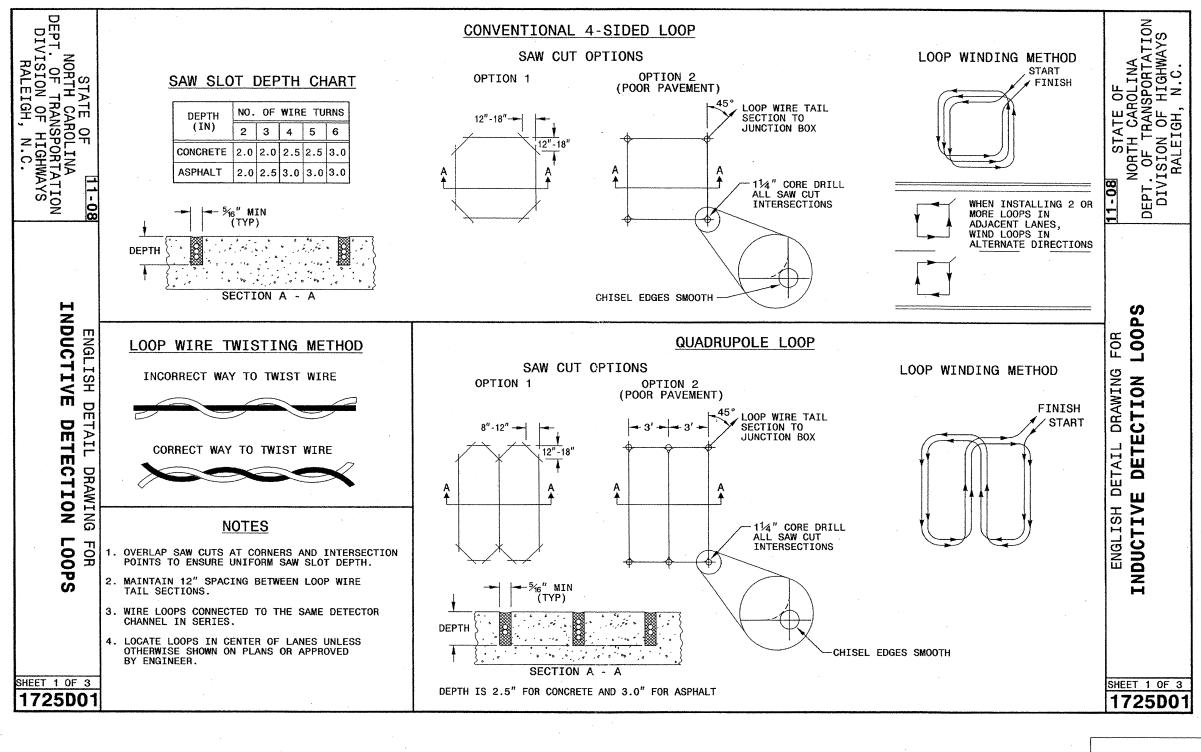
1500 FEET

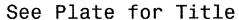
1500'

APPROVED: "WORK ZONE VARIABLE SPEED LIMIT" NONE SEAL 030528 SEAL 10-09

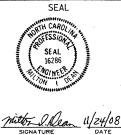
REDUCTION WITH PORTABLE SIGNS

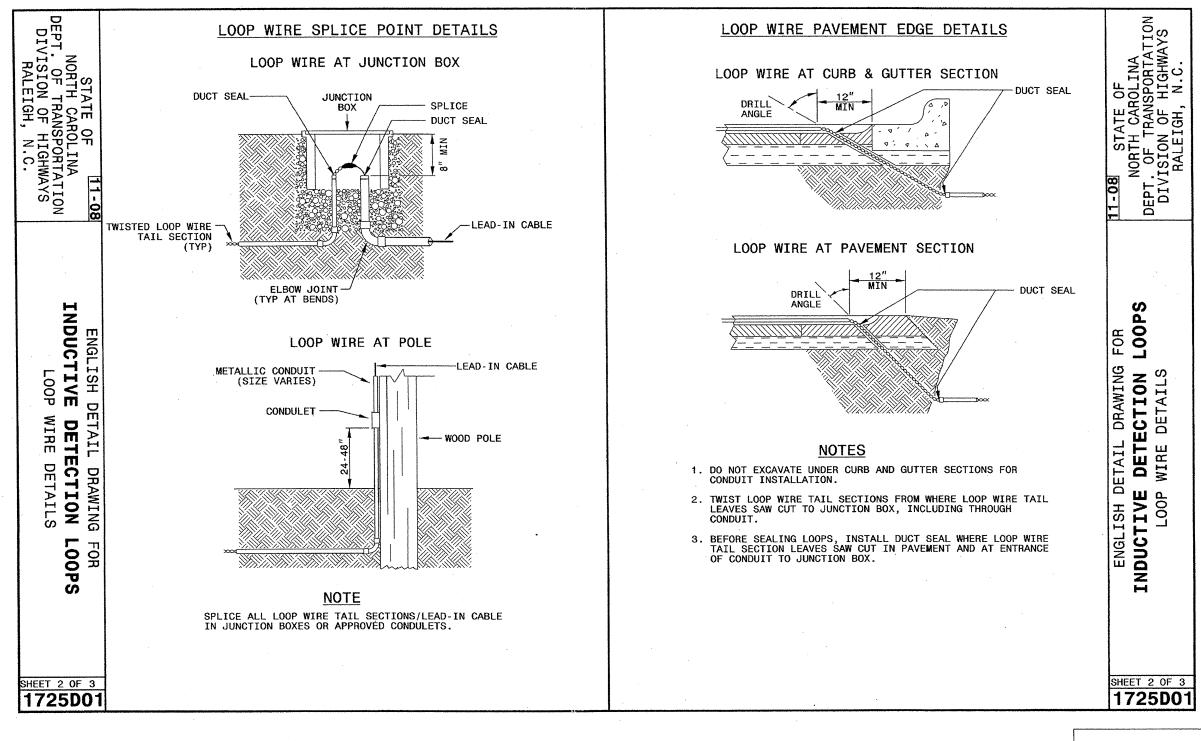


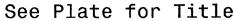






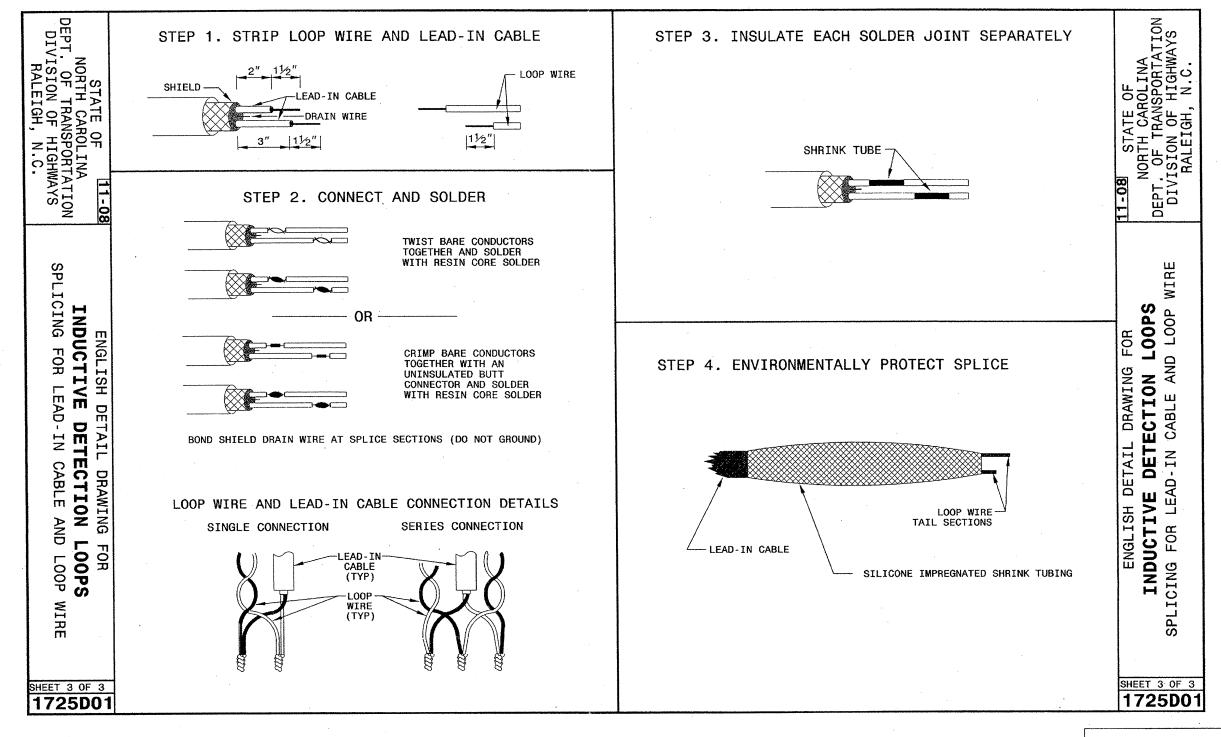
















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