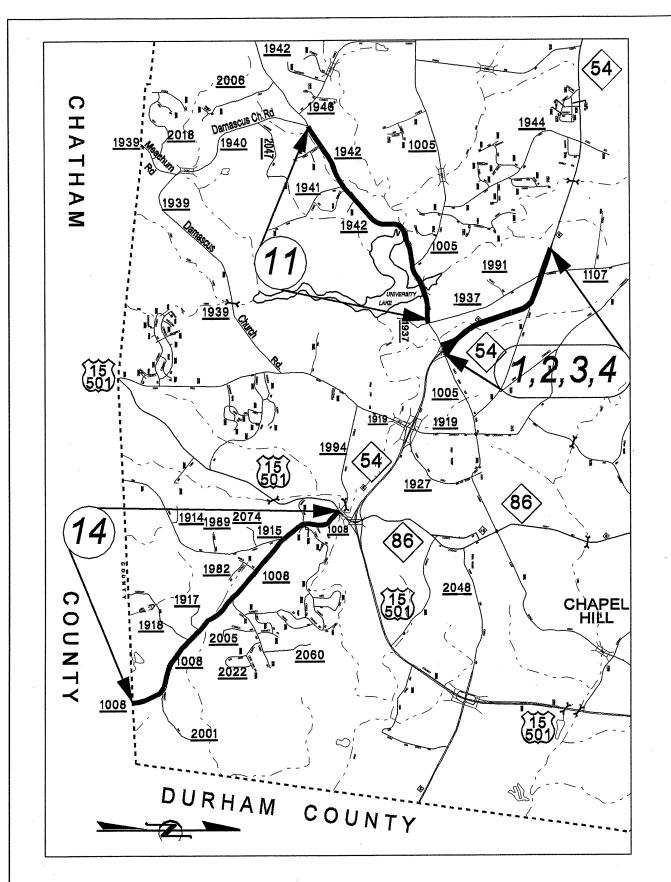
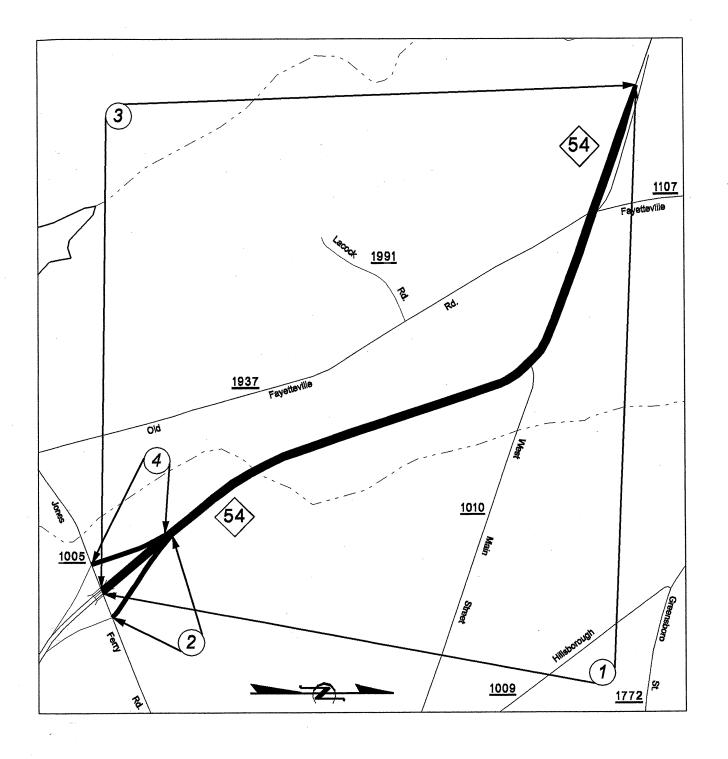


 PROJECT REFERENCE NO.
 SHEET NO.

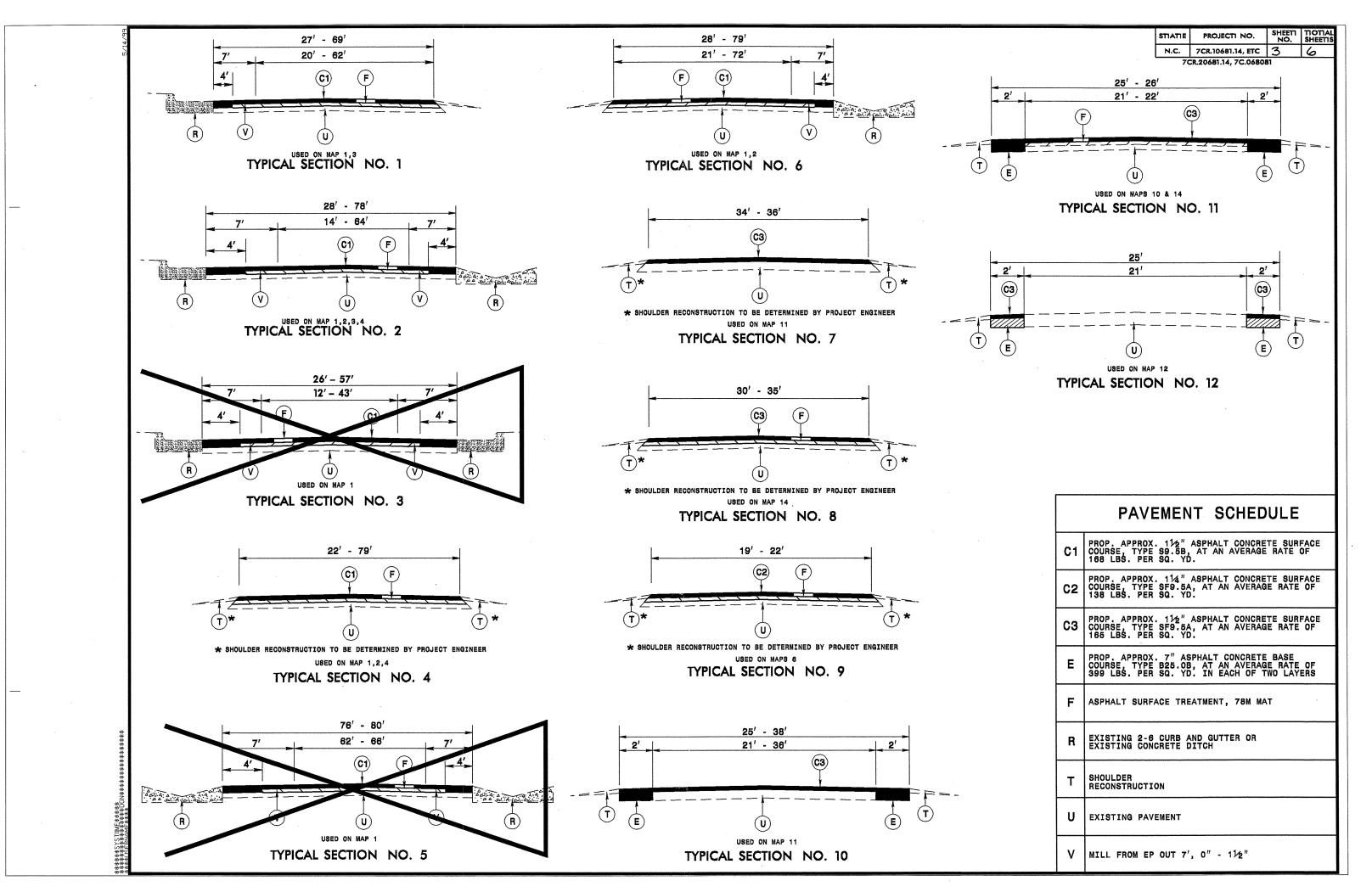
 7CR.10681.14, Etc.
 2 of 6

7CR.10681.14, 7CR.20681.14, 7C.068081





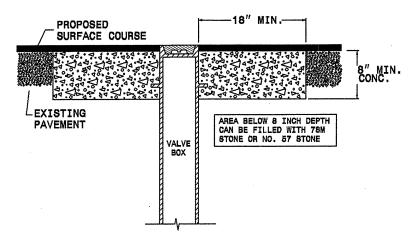
ORANGE COUNTY



112"

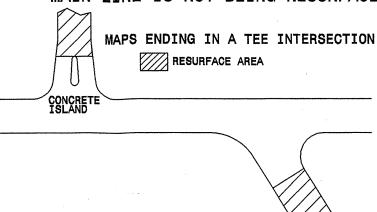
MILL EXISTIING ASPHALT1 PAVEMENT1 0-1½" AT1 LOCATIONS AS DIRECTIED BY TIHE ENGINNER

STANDARD CONCRETE ENCASEMENT FOR MANHOLE & VALVE CASTINGS IN PAVEMENT DETAIL DRAWING NO. 858.01

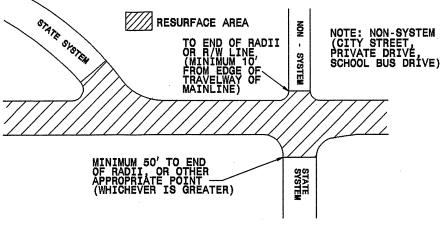


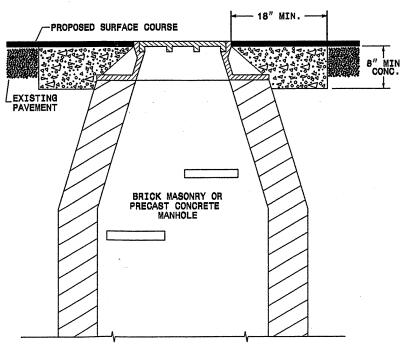
USE RAPID SET GROUT, MORTAR, OR CONCRETE CLASS B CONCRETE MAY BE USED WHEN ADJUSTMENTS ARE NOT IN THE TRAVEL LANE.

PAVING DETAIL 1
MAIN LINE IS NOT BEING RESURFACED



PAVING DETAIL 2
MAIN LINE IS BEING RESURFACED





NOTES:

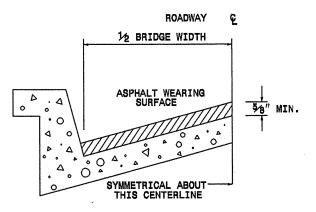
1. MORTAR SHALL BE MIXED TO NCDOT SPECIFICATIONS.

2. ALL FAULTY EXISTING BRICKWORK TO BE REMOVED AND REPLACED WITH NEW BRICK MASONRY.

3. EXCAVATION FOR THE ADJUSTMENT SHALL BE SHEER CUT ON ALL SIDES. 4. RAPID SET GROUT, MORTAR, OR CONCRETE SHALL BE USED STATE PROJECT NO. SHEET TOTAL SHEETS

N.C. 7CR.10681.14, ETC 4

7CR.20681.14, 7C.068081



BRIDGE HALF TYPICAL SECTION

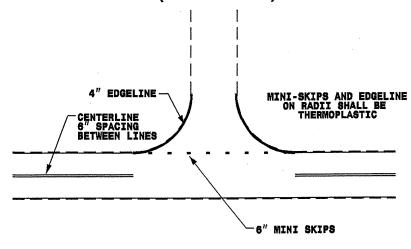
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN. THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 54° SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

NOTES

ALL UNPAVED S.R. ROUTES TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.

ALL PAVED S.R. ROUTES TO BE RESURFACED TO END OF RADDII, OR AS DIRECTED BY THE ENGINEER. EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES. BRIDGES TO BE RESURFACED AT LOCATIONS AND DEPTH AS DIRECTED BY THE ENGINEER.

TO BE USED AT ALL NON-SIGNALIZED INTERSECTIONS (NOT TO SCALE)



NOTE: MINI SKIPS SHALL BE PLACED ON A 10' CYCLE, CONTAINING AN 8' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".

|6-NOV-2007 |6:2| |ange_county_resurf\cadd\sta |sss:|SFRNGMFssss

PROJECT NO.	SHEET NO.	TOTAL NO.
7CR.10681.14, 7CR.20681.14 & 7C.068081	5	6

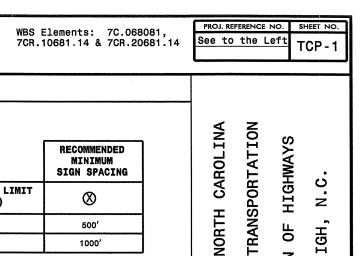
SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LENGTH	WIDTH	INCIDENTAL STONE BASE	SHOULDER RECON- STRUCTION	0" TO 1.5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0B	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A	PG 64-22 PLANT MIX		RETROFIT. EXIST. WHEELCHAIR RAMPS		ADJ. OF METER OR VALVE BOX	SEED &	RESIDENTIAL SEEDING	TRENCHING (UNPAVED) (1) (2")	PULL BOX (STANDARD)	INDUCTIVE LOOP SAW CUT	LEAD-IN CABLE (14- 2)
NO		NO			NO	MI	FT	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS	SY	EA	EA ·	EA	AC	AC	LF	LF	LF	LF
7CR.10681.14	Orange	1	NC 54 WB	FROM JONES FERRY BRIDGE TO PAVEMENT JOINT .34 MILES W. OF SR1107 (OLD FAYETTEVILLE RD)	1,2,4,6	1.64	28-79			9,028	242		3,162		190	32,316	8	6	13			20	1	3,500	20
7CR.10681.14	Orange	2	NC 54 EB ON RAMP	FROM SR 1005 (JONES FERRY RD) TO NC 54 WEST BOUND	2,4,6	0.16	22-121			77			213		13	2,452			1						
7CR.10681.14	Orange	3	NC 54 EB	FROM BEGIN GRASS ISLAND WEST OF SR 1107 (OLD FAYETTEVILLE RD) TO WEST EDGE OF BRIDGE OF SR 1005 (JONES FERRY RD)	1,2	1.40	27-69	25		8,713	283		2,541		153	25,051	7	7	1						
7CR.10681.14	Orange	4	NC 54 WB OFF RAMP	FROM NC 54 EAST BOUND TO SR1005 (JONES FERRY RD)	2,4	0.12	25-74						180		11	2,077									
TOT	AL FOR P	ROJ NO	. 7CR.10681.14			1.64	<u> </u>	25	0.00	17,818	525		6,096	0	367	61,896	15	13	15	0.00	0.00	20	1	3,500	20
7CR.10681.14	Orange	6	SR 1543 (LITTLE RIVER CHURCH RD)	FROM NC 57 TO SR 1001 (WALNUT GROVE CH RD)	9	4.00	19-22	133	1.24					3,228	210	44,663				0.25	0.20				
7CR.10681.14	Orange	10	SR 1006 (ORANGE GROVE RD)	FROM SR 1102 (DODSON CROSSROADS) TO SR 1177 (DAIRYLAND RD)	11	3.16	25	125	6.32			3,391		4,062	410	38,931				1.38	1.00				Į
7CR.10681.14	Orange	11	SR 1942 SR 1005 (JONES FERRY RD)	FROM SR 1937 (OLD FAYETTEVILLE RD) TO SR 1940 (DAMASCUS CH RD)	7,10	2.40	21-36	78	4.80		-	2,550		3,371	329				2	1.24	0.50				L
7CR.10681.14	Orange	12	SR 1006 (ORANGE GROVE RD)	FROM NEW JOINT AT SR 1102 (DODSON CROSSROADS) TO SR 1199 (TREE FARM ROAD)	12	1.50	4	132	3.00			1,610		300	89					1.00	1.00				
TOTA	AL FOR PF	ROJ NO.	7CR.20681.14			11.06	<u> </u>	468	15.36	0	0	7,551	0	10,961	1,038	83,594	0	0	2	3.87	2.70	0	0	0	0
7C.068081	Orange	14	SR 1008 (MT CARMEL CH RD)	FROM JOINT EAST OF NC15-501 TO CHATHAM COUNTY LINE	8,11	2.74	26-35	160	5.48			2,725		3,865	369	36,860		1	5	1.00	1.00				
TO	TAL FOR F	PROJ N	D. 7C.068081			2.74		160	5.48	0	0	2,725	0	3,865	369	36,860	0	1	5	1.00	1.00				
	GR/	AND TO	TAL			15.44		653	20.84	17,818	525	10,276	6,096	14,826	1,774	182,350	15	14	22	4.87	3.70	20	1	3,500	20

PROJECT NO.	SHEET NO.	TOTAL NO.
7CR.10681.14, 7CR.20681.14 &		
7C.068081	6	6

THERMOPLASTIC AND PAINT QUANTITIES

					<u> </u>	I O I L			AIID				UAIT									
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 120 M WHITE THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	MSG BUSLANE	THERMO MSG SCHOOL	THERMO STR ARROW 90 M	THERMO LT ARROW 90 M		THERMO STR & RT ARROW 90 M	THERMO MERGE LEFT ARROW 90 M	4" WHITE PAINT	4" YELLOV PAINT
NO	1	NO			LF	LF	LF	LF	LF	LF	LF	LF	LF	120 M EA	120 M EA	EA	EA	EA	EA	EA	LF	LF
				FROM JONES FERRY BRIDGE TO		<u> </u>		 														
7CR.10681.14	Orange	1 1	NC 54 WB	PAVEMENT JOINT .34 MILES W.														}				
		·		OF SR 1107 (OLD FAYETTEVILLE	9,613	10,672	3,251		44		1,727	1,363	317	21		11	11	3	7	3		
		_	NO SAME ON DAME	FROM SR 1005 (JONES FERRY																		
7CR.10681.14	Orange	2	NC 54 WB ON RAMP	RD) TO NC 54 WEST BOUND	728	728										1	1					
				FROM BEGIN GRASS ISLAND																		
	1			WEST OF SR 1107 (OLD													1	1				
7CR.10681.14	Orange	3	NC 54 EB	FAYETTEVILLE RD) TO WEST		1	İ									1						
				EDGE OF BRIDGE OF SR 1005													İ					
	l			(JONES FERRY RD)	6,084	6,877	3,191		24		1,596		333	21		8	10	4	8			
70D 40004 44		4	NC 54 EB OFF RAMP	FROM NC 54 EAST BOUND TO																		
7CR.10681.14	Orange	4	NC 54 EB OFF RAIVIP	SR1005 (JONES FERRY RD)	575	575	40						44				3	3				
	TOTAL E	OP DP	OJ NO 7CR.10681.14		17,000	18,852	6,482		68		3,323	1,363	694	42		19	24	10	15	3		
	TOTAL	OKTK	CO NO 7010.10001.14		35,	,852	6,	482			4,	686		4:	2			71				
																					···	
7CR.20681.14	Orange	6	SR 1543 (LITTLE RIVER CHURCH RD)	FROM NC 57 TO SR 1001			1		*			į.				1	}					
7 CR.2000 1. 14	Orange		SK 1040 (EITTEE KIVEK OHOKOITKE)	(WALNUT GROVE CH RD)	800					92											83,460	66,600
				FROM SR 1102 DODSON																		
7CR.20681.14	Orange	10	SR 1006 (ORANGE GROVE RD)	CROSSROADS TO SR 1177								İ										
				DAIRYLAND RD	900				120												67,420	62,306
				FROM SR 1107 JUST EAST OF																1		
7CR.20681.14	Orange	11	SR 1942/SR 1005 (JONES FERRY RD)	OLD FAYETTEVILLE RD TO SR			1		,							i						
				1940 DAMASCUS CH RD.	25,040		86	24,953		60	90	26	111							ļ		
				FROM NEW JOINT AT SR 1102										·								
7CR.20681.14	Orange	12	SR 1006 (ORANGE GROVE ROAD)	(DODSON CROSSROADS) TO SR																	04.400	
		L		1199 (TREE FARM ROAD)												ļ	L			ļ	31,400	+ 400.000
	TOTAL F	OR PR	OJ NO. 7CR.10681.14		26,740		86	24,953	120	60	90	26	111			_	<u> </u>	<u> </u>		L	182,280	128,906
					26	,740	25	,039	L	<u> </u>	1	16	L	L		L					31′	1,186
		,	<u></u>	EDOM JOINT EAST OF WOLF FOR I			T	·	I	1		T	1				т	T		T		
7C.068081	Orange	14	SR 1008 (MT CARMEL CH RD)	FROM JOINT EAST OF NC15-501	28,936		162	29,594		166		161					_	,				
		L	`	TO CHATHAM COUNTY LINE		<u> </u>	162	29,594				161					5	2			~	+
	TOTAL	FOR P	ROJ NO. 7C.068081		28,936	.936		.756		166		61					1 3			L		+
					28	,530	1 29	,100	L	1	1	01	L	I								
			ND TOTAL	T	72,676	18,852	6,730	54,547	188	226	3,413	1,550	805	42		19	29	12	15	3	182,280	128,906



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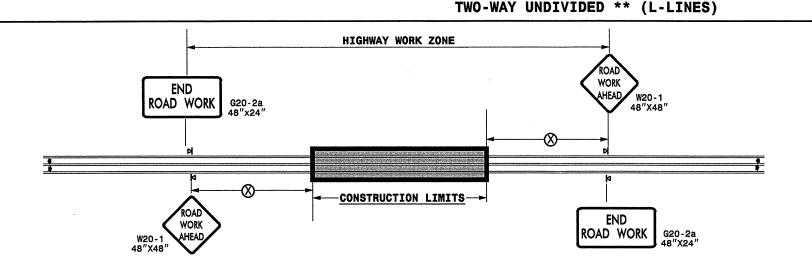
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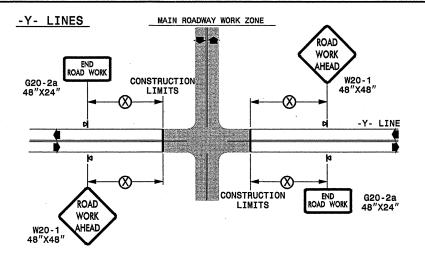
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RALEIGH,



RECOMMENDED SIGN SPACING POSTED SPEED LIMIT 8 (M.P.H.) ≤ 50 500' ≥ 55 1000'

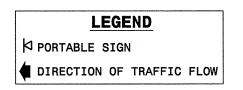
ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



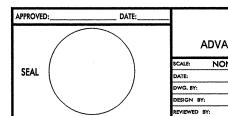
GENERAL NOTES

- 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.

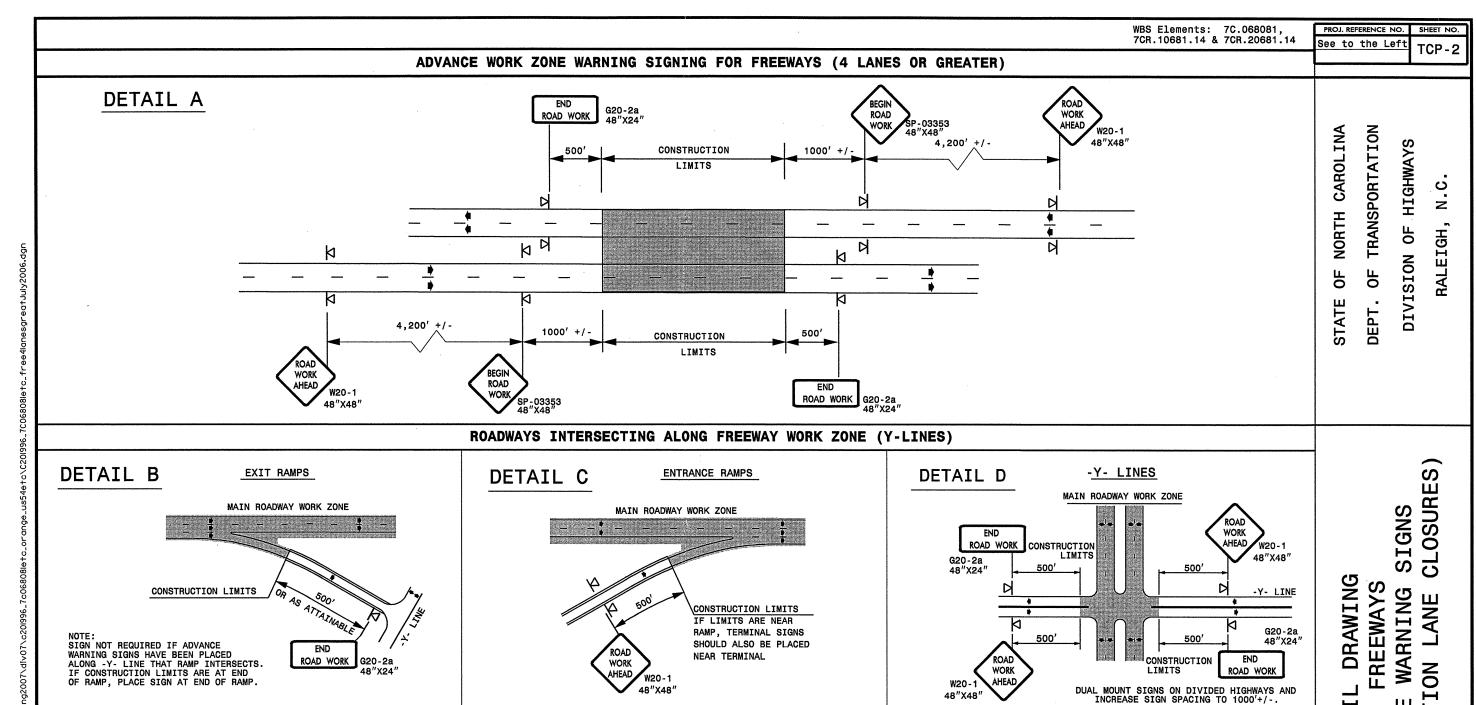


SHEET 1 OF 1



FOR ADVANCED	DETAIL DRAWING TWO-WAY UNDIVIDE WORK ZONE WARNIE	 SIGN	s
NONE	HOLNES A	REVIS	IC

"HOLNESS "	REVI	SIONS
	7-98	10/01
	10-98	03/04
	01/01	11/04
CONTROL	CADD	

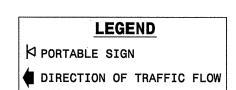


GENERAL NOTES

- 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.

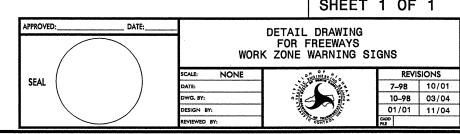
10-DEC-2007 20;46 \\D01\DFSR00T01\GR0UPS-WZTCCC \\Cavmore AT WZT<u>C237502</u>

- 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.



- DURATI ZONE DETAI FOR WORK SHORT

SHEET 1 OF 1



PROJ. REFERENCE NO. See to the Left

TCP-3

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CAROLINA TRANSPORTATION S NORTH 9F 0F STATE

HIGHWAY 9F SION DIVI DEPT FOR DRAWING FOF ZONE SIGNS I ROAD WORK

SHEET 1 OF 1

DETAIL WORK : BEGIN

PROVED:	DATE:	_	D	ETAIL DRAWING FO)R		
				CED WORK ZONE WA SIGN DESIGNS			
()	SCALE:	NONE	CHOINES "	REVISIONS		
SEAL (1	DATE:	08/03		04/04		
\	<i></i>	DWG. BY:			11/04		
		DESIGN E	IY:				
		REVIEWED	BY:	CONTROL	CADD		

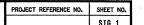
SP 03353 BACKG COLOR:Fluorescent Orange COPY COLOR: Black SIGN NUMBER: SP-03353 DESIGN BY: CL DOWNEY STD #: W20-1 DATE: Aug 20,2003 CHECKED BY: CHECKED TYPE: A DIV: DIV QUANTITY: 1 X Y WID HT SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.59" 18.7" WIDTH: 0.75" RADII: 1.38" **BEGIN** NO. Z BARS: N/A LENGTH: N/A **ROAD** USE NOTES: 2, 4 1. Legend and border shall be direct applied Type VII reflective sheeting. 2. Legend and border shall be direct applied non-reflective sheeting. 3. Shields shall be Type VII reflective sheeting on 0.032" (0.8mm) aluminum and demountable. 4. Background shall be Type VII reflective sheeting. 5. Background shall be Type VII reflective sheeting. WORK 18.7" **BORDER** Center arrow(s) vertically on sign. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: R=I.38" TH=0.75" 21.6" 22.4" IN=0.59" LETTER POSITIONS Letter spacings are to start of next letter C7 21.6 C7 19.6 23.4 5 5.2 5.6 3.8 23.4 G7 21.2

Spacing Factor is 1 unless specified otherwise

10-DEC-2007 20:47 \\D0T\DFSR00T01\GROUPS-WZTCCC bseymore AT WZTC237502

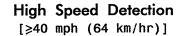
GENERAL NOTES FOR SIGN SP-03353 "BEGIN ROAD WORK"

-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

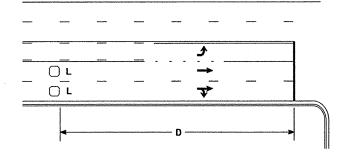


Low Speed Detection [<35 mph (56 km/hr)]

7C.068081, 7CR.10681.14 & 7CR.20681.14



OR



	-	_		
 			5	
 OL1			→ ()L2	
			→ □L2	
4			← D2 →	

 .
 → OL2
→ □L2 → □L2
← D2 →
D1

L1 = 6ft X 6ft

L2 = 6ft X 6ft

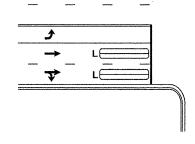
(1.8m X 1.8m)

(1.8m X 1.8m)

Wired in series

Wired in series

-	·	
5		
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*	O L	
	← -70 f	t



 $L = 6ft \ X \ 6ft \ (1.8m \ X \ 1.8m)$ Wired in series

 $L = 6ft \times 40ft (1.8m \times 12.0m)$ Quadrupole loop, wired separately

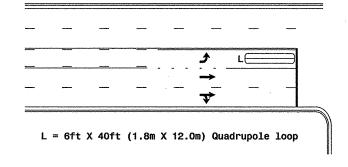
Spee	ed Limit		D
mph	(km/hr)	ft	(m)
40	(64)	250	(75)
45	(72)	300	(90)
50	(80)	355	(110)
55	(88)	420	(130)

 $L = 6ft \times 6ft (1.8m \times 1.8m)$ Wired in series for TS1 Controllers Wired separately for TS2, 170, and 2070L Controllers

Speed Limit mph (km/hr) ft (m) ft (m) 40 (64) 250 (75) 80 (25) 45 (72) 300 (90) 90 (27) 50 (80) 355 (110) 100 (30) 55 (88) 420 (130) 110 (35)

"Stretch" Operation

Left Turn Lane Detection

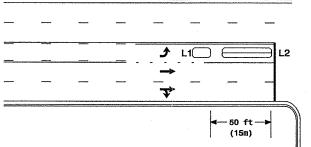


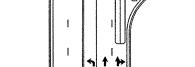
Volume Density Operation

←-- 50 ft-

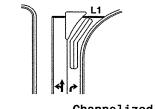
 $L1 = 6ft \times 15ft (1.8m \times 4.6m)$ Queue detector $L2 = 6ft \times 40ft (1.8m \times 12.0m)$ Quadrupole loop

Queue Loop Detection



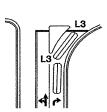


Standard Turn



Wired separately

Wired in series



Wide Radius Turn

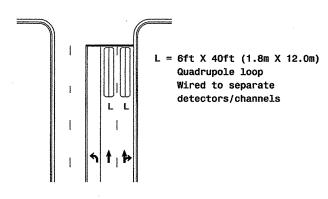
Channelized Turn

Right Turn Lane Detection

 $L1 = 6ft \times 40ft (1.8m \times 12.0m)$ Quadrupole loop L2 = 6ft X 6ft (1.8m X 1.8m) [Minimum] Presence loop

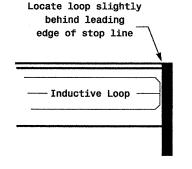
 $L3 = 6ft \times 20ft (1.8m \times 6.0m)$ Quadrupole loop

Side Street Detection



Presence Loop Detection

Presence Loop Placement at Stop Lines



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) loop (wired separately):

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

Recommended Number of Turns

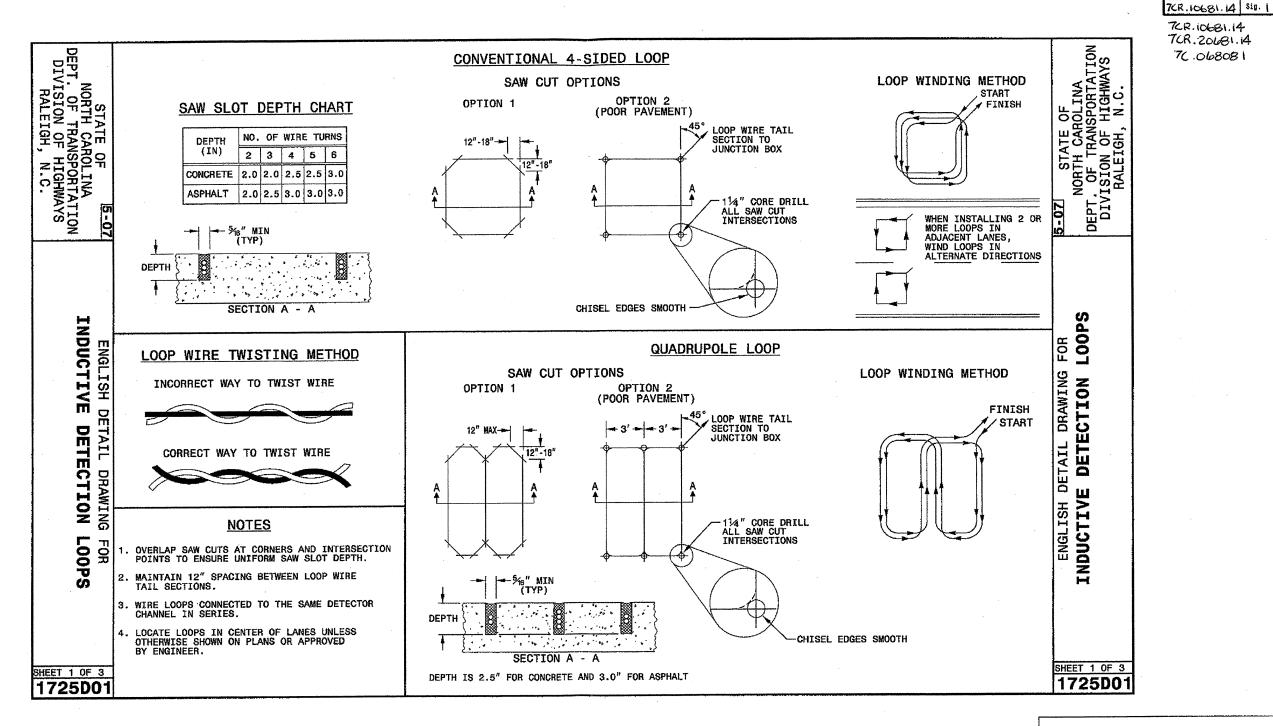
Quadrupole loops: Use 2-4-2 turns 6' X 15' (1.8m X 4.6m) Loops:

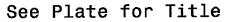
Lead-in < 150' (45 m), use 2 turns Lead-in > 150' (45 m), use 3 turns



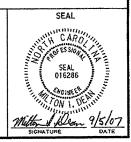
Typical Loop Locations

PLAN DATE: June 2006 REVIEWED BY: PREPARED BY: P L Alexander REVIEWED BY: N/A









PROJECT REFERENCE NO. SHEET NO.

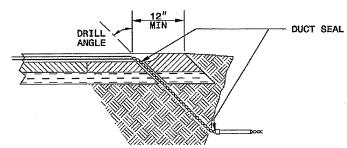
7CR.10681.14

76.068081

PROJECT REFERENCE NO. SHEET NO 7CR. 10681.14 Sig. 2 7CR.10681.14 5-07 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. 7CR.20681.14 76.068081 LOOPS FOR ENGLISH DETAIL DRAWING
INDUCTIVE DETECTION
LOOP WIRE DETAILS

LOOP WIRE PAVEMENT EDGE DETAILS LOOP WIRE AT CURB & GUTTER SECTION DUCT SEAL DRILL ANGLE

LOOP WIRE AT PAVEMENT SECTION



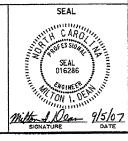
NOTES

- 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 CONDUIT.
- 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.

SHEET 2 OF 3 1725D01

See Plate for Title





STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. LOOP WIRE AT JUNCTION BOX JUNCTION BOX DUCT SEAL-SPLICE DUCT SEAL TWISTED LOOP WIRE TAIL SECTION (TYP) -LEAD-IN CABLE ELBOW JOINT-(TYP AT BENDS) ENGLISH DI LOOP WIRE AT POLE -LEAD-IN CABLE METALLIC CONDUIT (SIZE VARIES) DETAIL DRAWING

/E DETECTION |

DP WIRE DETAILS CONDULET WOOD POLE FOR LOOP NOTE SPLICE ALL LOOP WIRE TAIL SECTIONS/LEAD-IN CABLE IN JUNCTION BOXES OR APPROVED CONDULETS. SHEET 2 OF 3 1725D01

LOOP WIRE SPLICE POINT DETAILS

7CR. 10681.14 Sig. 3 7CR.10681.14 7CR. 20681. 14 5-07 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. 70.068081 STEP 1. STRIP LOOP WIRE AND LEAD-IN CABLE STEP 3. INSULATE EACH SOLDER JOINT SEPARATELY - LOOP WIRE SHIELD -LEAD-IN CABLE 1/2" SHRINK TUBE STEP 2. CONNECT AND SOLDER TWIST BARE CONDUCTORS TOGETHER AND SOLDER WITH RESIN CORE SOLDER WIRE ENGLISH DETAIL DRAWING FOR INDUCTION DETECTION LOOSPLICING FOR LEAD-IN CABLE AND LO ENGLISH DETAIL DRAWING FOR INDUCTIVE DETECTION LOOPS SPLICING FOR LEAD-IN CABLE AND LOOP OR -CRIMP BARE CONDUCTORS TOGETHER WITH AN
UNINSULATED BUTT
CONNECTOR AND SOLDER
WITH RESIN CORE SOLDER STEP 4. ENVIRONMENTALLY PROTECT SPLICE BOND SHIELD DRAIN WIRE AT SPLICE SECTIONS (DO NOT GROUND) LOOP WIRE AND LEAD-IN CABLE CONNECTION DETAILS LOOP WIRE -SERIES CONNECTION SINGLE CONNECTION LOOPS - LEAD-IN CABLE LEAD-IN-CABLE (TYP) SILICONE IMPREGNATED SHRINK TUBING LOOP WIRE WIRE (TYP) SHEET 3 OF 3 SHEET 3 OF 3 1725D01 1725D01

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PROJECT REFERENCE NO. SHEET NO.