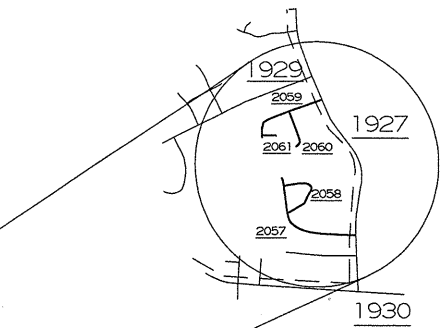
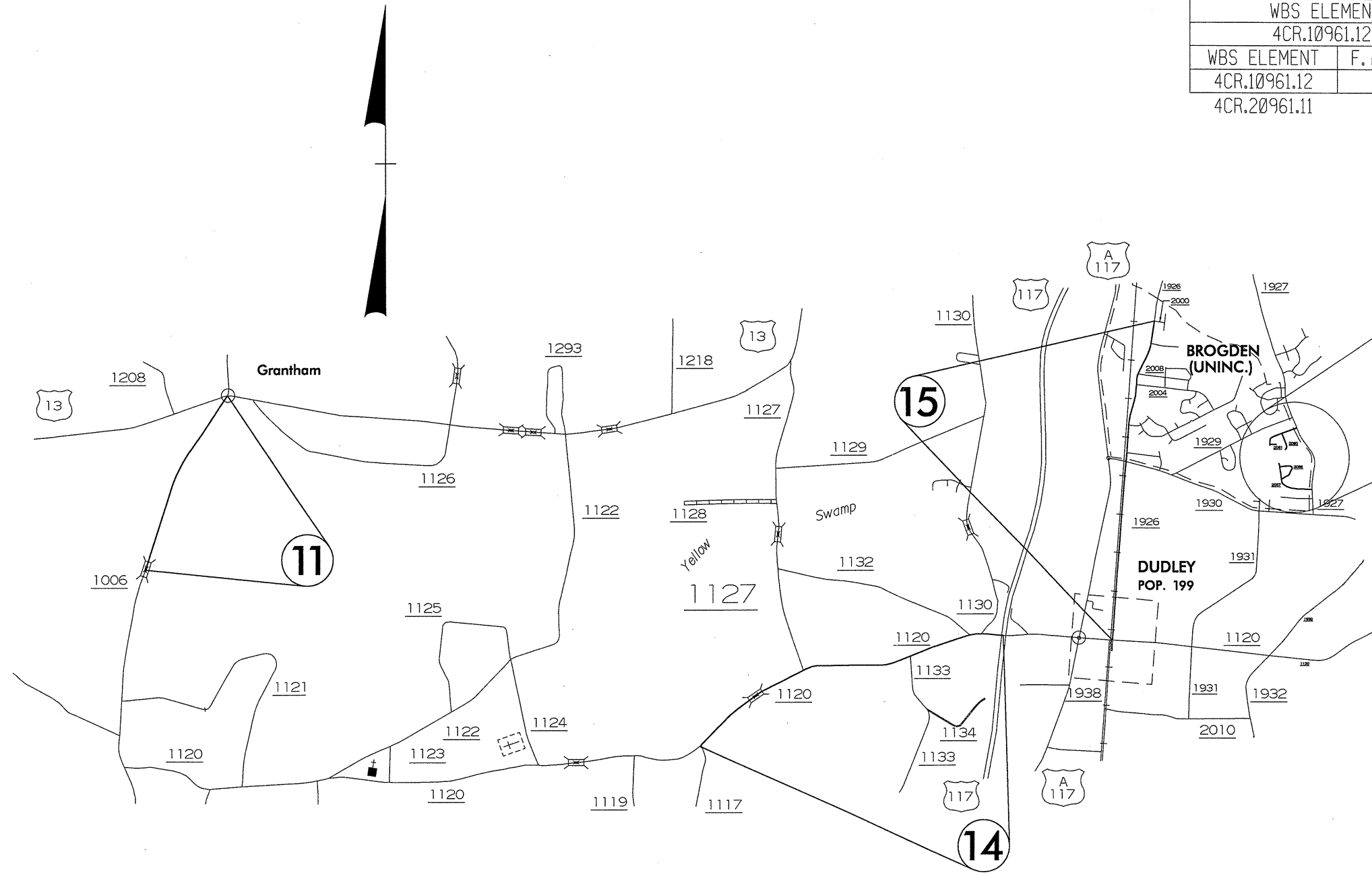


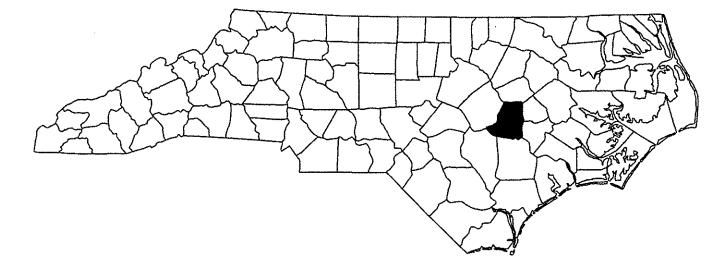


WBS ELEMENT		SHEET NO.	TOTAL SHEETS
4CR.10961.12		2	8
WBS ELEMENT	F. A. PROJ. NO.	DESCRIPTION	
4CR.10961.12			
4CR.20961.11			



- 23 SR 2057 FR: SR 1927 TO: END MAINT.
- 24 SR 2058 FR: SR 2057 TO: SR 2057
- 25 SR 2059 FR: SR 1927 TO: END MAINT.
- 26 SR 2060 FR: SR 2059 TO: DEAD END
- 27 SR 2061 FR: SR 2059 TO: DEAD END

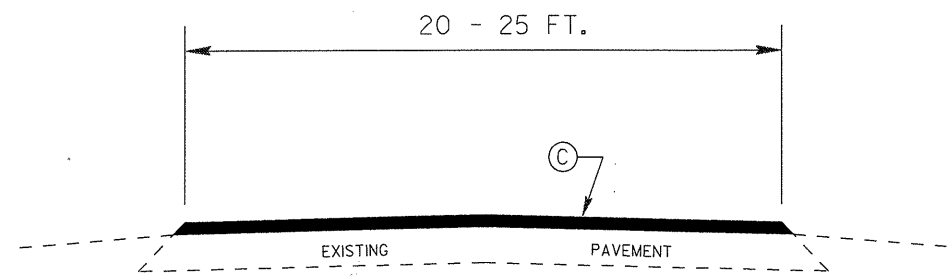
**SHEET 2 OF 4**  
**WAYNE COUNTY**  
**NORTH CAROLINA**



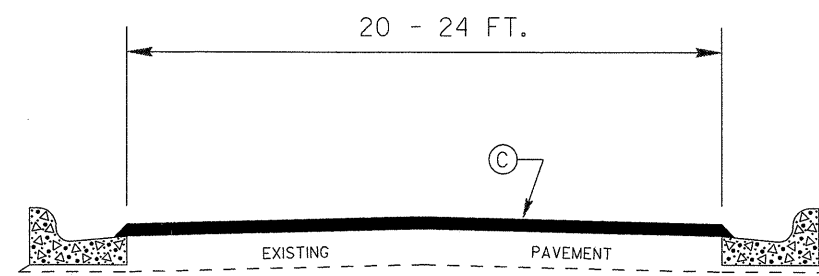




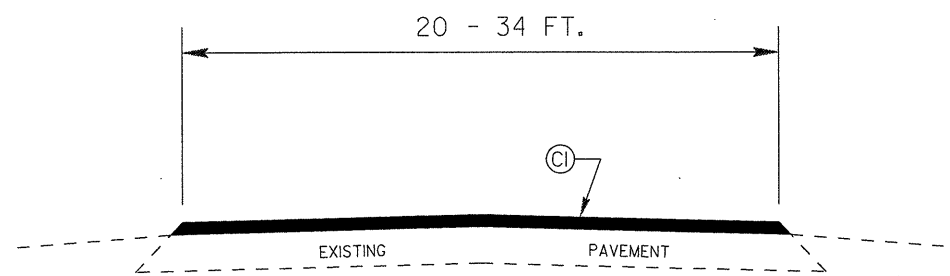
TYPICAL SECTIONS (SURFACING AND RESURFACING)



TYPICAL SECTION NO. 1



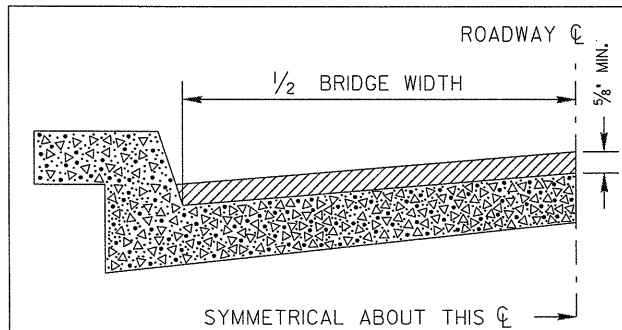
TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3

WBS ELEMENT	SHEET NO.	TOTAL SHEETS
4CR.I096I.J2, ETC.	5	8
WBS ELEMENT	F. A. PROJ. NO.	DESCRIPTION
4CR.I096I.J2		
4CR.2096I.II		

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1" ASP. CONC. SURFACE CO., TYPE SF 9.5A AT AN AVERAGE RATE OF 110 LBS. SQ. YD.
C1	PROP. APPROX. 1.5" ASP. CONC. SURFACE CO., TYPE S 9.5B AT AN AVERAGE RATE OF 168 LBS. SQ. YD.
C2	PROP. APPROX. 1.5" ASP. CONC. SURFACE CO., TYPE S 9.5C AT AN AVERAGE RATE OF 168 LBS. SQ. YD.
M1	PROP. 1.5" INCIDENTAL MILLING & BACKFILL WITH ACIC, TYPE I19.0C AT AN AVERAGE RATE OF 171 LBS. SQ. YD.
NOTE: ALL PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE	



BRIDGE HALF TYPICAL SECTION

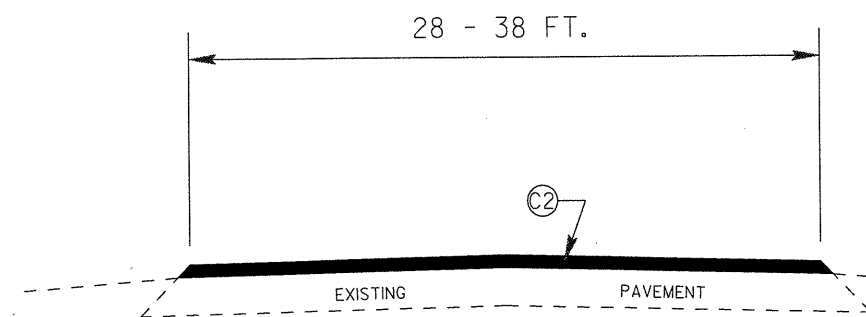
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.  
 THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

NOTES

ALL UNPAVED S. R. ROADS TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.  
 ALL PAVED S. R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.  
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.  
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS.  
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER

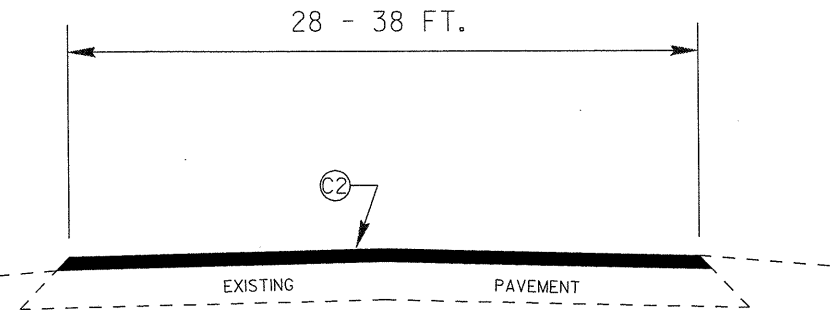
TYPICAL SECTIONS (SURFACING AND RESURFACING)

WBS ELEMENT	SHEET NO.	TOTAL SHEETS
4CR.10961.I2, ETC.	6	8
WBS ELEMENT	F. A. PROJ. NO.	DESCRIPTION
4CR.10961.I2		
4CR.20961.II		



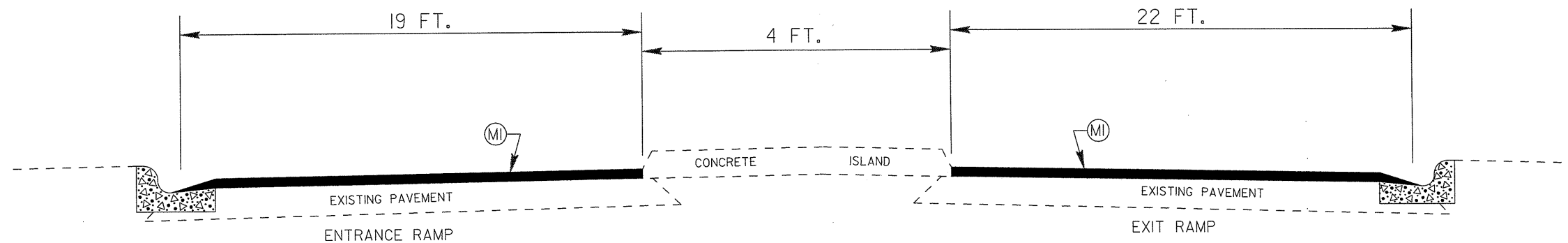
WBL/SBL

TYPICAL SECTION NO. 4



EBL/NBL

TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 6

NOTE: TO BE USED ON WILLIAMS STREET EXIT  
 BEGIN AT WEST END OF ISLAND, TERMINATE AT EAST END OF ISLAND.

PAVEMENT SCHEDULE

C	PROP. APPROX. 1" ASP. CONC. SURFACE CO., TYPE SF 9.5A AT AN AVERAGE RATE OF 110 LBS. SQ. YD.
C1	PROP. APPROX. 1.5" ASP. CONC. SURFACE CO., TYPE S 9.5B AT AN AVERAGE RATE OF 168 LBS. SQ. YD.
C2	PROP. APPROX. 1.5" ASP. CONC. SURFACE CO., TYPE S 9.5C AT AN AVERAGE RATE OF 168 LBS. SQ. YD.
MI	PROP. 1.5" INCIDENTAL MILLING & BACKFILL WITH ACIC, TYPE 119.0C AT AN AVERAGE RATE OF 171 LBS. SQ. YD.

NOTE: ALL PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

WBS ELEMENT	SHEET NO.	TOTAL NO.
4CR.10961.12 & 4CR.20961.11	7	8

## SUMMARY OF QUANTITIES

WBS ELEMENT	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH	WIDTH	INCIDENTAL MILLING	ASP. CONC. INTERMEDIATE COURSE, TYPE I 19.0C TONS	ASP. CONC. SURFACE COURSE TYPE S 9.5B TONS	ASP. CONC. SURFACE COURSE TYPE S 9.5C TONS	ASP. CONC. SURFACE COURSE TYPE SF 9.5A TONS	BINDER FOR PLANT MIX, GRADE PG 64-22 TONS	BINDER FOR PLANT MIX, GRADE PG 70-22 TONS	
					NO	MI	FT	SY							
4CR.10961.12	WAYNE	1	US 13 NBL	FROM: 800' SOUTH OF NC 581 TO: US 70 EXIT	4	0.62	28				939			56	
		2	US 13 SBL (INCLUDE RAMPS @ GRANTHAM ST.)	FROM: RAILROAD BRIDGE TO: 500' SOUTH OF NC 581	5	1.16	28				2,425			146	
		3	US 13	FROM: US 117 TO: 400' SOUTH OF SR 1130	3	0.59	34			1,067			64		
		4	US 70 EBL (INCLUDE RAMPS @ US 117 BUS, SR 1556 & SR 1565)	FROM US 117 BYP TO: APPROX 1600' WEST OF SR 1565 BRIDGE	4	2.36	38					6,182			371
		5	US 70 EBL (INCLUDE RAMPS @ SR 1579, INT @ SR 1171 & INT @ US 70 BUS)	FROM: END OF RAMP EAST OF SR 1587 TO: END ACCEL RAMP 1040 FT. EAST OF US 70 BUS	4	2.17	38					5,363			322
		6	US 70 EBL	FROM: END ACCEL RAMP 1040 FT. EAST OF US 70 BUS TO: APPROX. 110 FT. EAST OF NC 111	4	0.76	30	650	50			1,443		2	87
		7	US 70 WBL	FROM: SR 1713 TO: BEGIN 10 FT. PAVED SHOULDER EAST OF US 70 BUS	5	0.78	30	650	50			1,405		2	84
		8	US 70 WBL (INCLUDE RAMPS @ US 13)	FROM: BEGIN 10 FT. PAVED SHOULDER E. OF US 70 BUS TO: 1435' WEST OF US 13 BRIDGE	5	2.23	38	1,000	50			5,041		2	302
		9	US 70 WBL (INCLUDE RAMPS @ WILLIAMS ST., US 117 BYP & SR 1565)	FROM: END NEW PAV'T. APPROX. 1,630' WEST OF SR 1565 BRIDGE TO: RAILROAD BRIDGE	5&6	2.68	38	640				6,310			379
		10	US 13	FROM: 400' SOUTH OF SR 1130 TO: SR 1151	3	0.17	28					276		17	
<b>TOTAL FOR WBS ELEMENT 4CR.10961.12</b>						<b>13.52</b>		<b>2,940</b>	<b>150</b>	<b>1,343</b>	<b>29,108</b>	<b>0</b>	<b>87</b>	<b>1,747</b>	

4CR.20961.11	WAYNE	11	SR 1006	FROM: US 13 S. TO: BRIDGE	3	1.45	20			1,438			86			
		12	SR 1744	FROM: SR 1915 TO: SR 1949	1	2.88	21					2,084	135			
		13	SR 1918	FROM: SR 1927 TO: NC 581	3	1.69	22			1,913			115			
		14	SR 1120	FROM: SR 1117 TO: US 117	3	2.72	22			3,166			190			
		15	SR 1926	FROM: SR 2000 TO: SR 1120	3	2.59	22			2,924			175			
		16	SR 1702	FROM: SR 1003 TO: SR 1714	1	0.71	22						531	35		
		17	SR 1927	FROM: US 13 TO: SR 1918	3	1.29	20			1,366				82		
		18	SR 1008	FROM: RXR TO: SR 1223	3	3.23	21			3,363				202		
		19	SR 1560	FROM: US 13 TO: SR 1565	1	0.85	25						844	55		
		20	SR 1306	FROM: RXR TO: US 117 ALT	1	0.10	20						101	7		
		21	SR 1313	FROM: RXR TO: US 117 ALT	1	0.13	21						88	6		
		22	SR 1316	FROM: RXR TO: US 117 ALT	1	0.22	20						143	9		
		23	SR 2057	FROM: SR 1927 TO: END MAINT.	2	0.42	22						309	20		
		24	SR 2058	FROM: SR 2057 TO: SR 2057	2	0.25	20						162	11		
		25	SR 2059	FROM: SR 1927 TO: END MAINT.	2	0.31	24						251	16		
		26	SR 2060	FROM: SR 2059 TO: DEAD END	1	0.15	22						117	8		
		27	SR 2061	FROM: SR 2059 TO: DEAD END	2	0.05	22						46	3		
		28	SR 1396	FROM: SR 1318 TO: DEAD END	1	0.47	20						315	20		
		29	SR 1397	FROM: SR 1396 TO: DEAD END	1	0.06	20						79	5		
		30	SR 1421	FROM: SR 1396 TO: SR 1318	1	0.17	20						120	8		
		31	SR 2137	FROM: SR 1236 TO: DEAD END	1	0.29	20						228	15		
		32	SR 2138	FROM: SR 2137 TO: DEAD END	1	0.05	20						72	5		
		33	SR 2116	FROM: SR 1236 TO: SR 2122	1	0.14	20						91	6		
		34	SR 2122	FROM: DEAD END TO: DEAD END	1	0.14	20						131	8		
		35	SR 2123	FROM: SR 2122 TO: END MAINT.	1	0.14	20						131	8		
		36	SR 2148	FROM: SR 2123 TO: DEAD END	1	0.08	20						62	4		
		37	SR 2132	FROM: SR 1236 TO: DEAD END	1	0.42	20						312	20		
		38	SR 2133	FROM: SR 2132 TO: END MAINT.	1	0.10	20						65	4		
		39	SR 1942	FROM: US 117 ALT TO: SR 1938	3	0.42	20				437			26		
		40	SR 1760	FROM: RIDGECREST DR. - TO: SR 1711	1	0.76	20						492	32		
		<b>TOTAL FOR WBS ELEMENT 4CR.20961.11</b>						<b>22.28</b>		<b>0</b>	<b>0</b>	<b>14,607</b>	<b>0</b>	<b>6,774</b>	<b>1,316</b>	<b>0</b>

<b>GRAND TOTAL</b>						<b>35.80</b>		<b>2,940</b>	<b>150</b>	<b>15,950</b>	<b>29,108</b>	<b>6,774</b>	<b>1,403</b>	<b>1,747</b>
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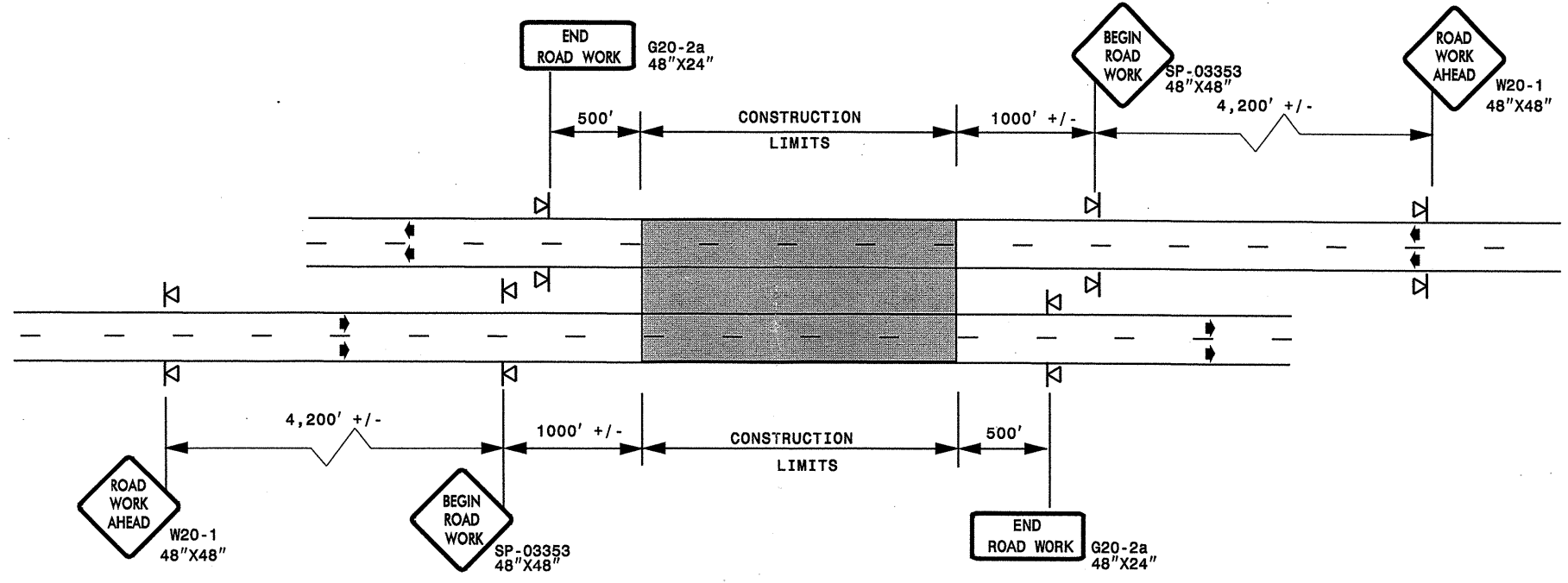






ADVANCE WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

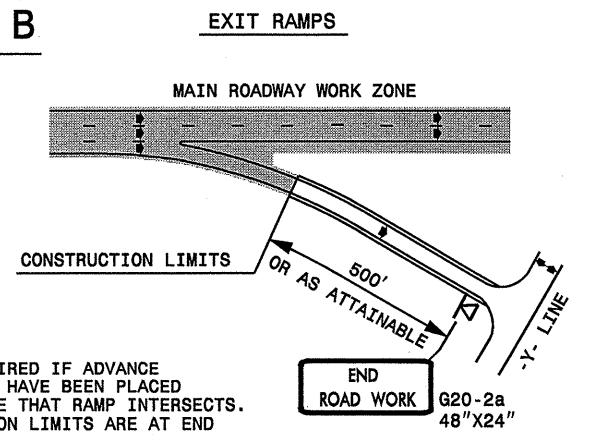
DETAIL A



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

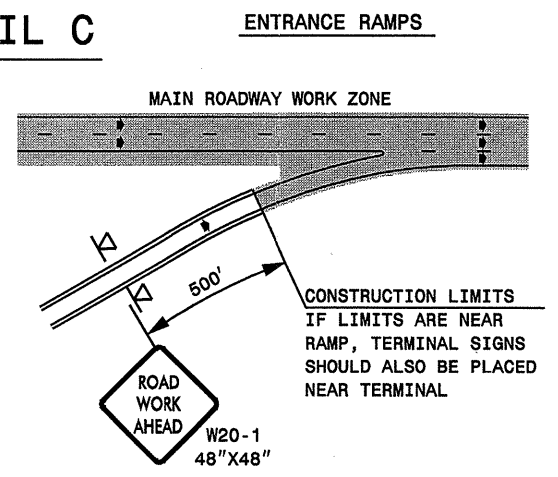
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B



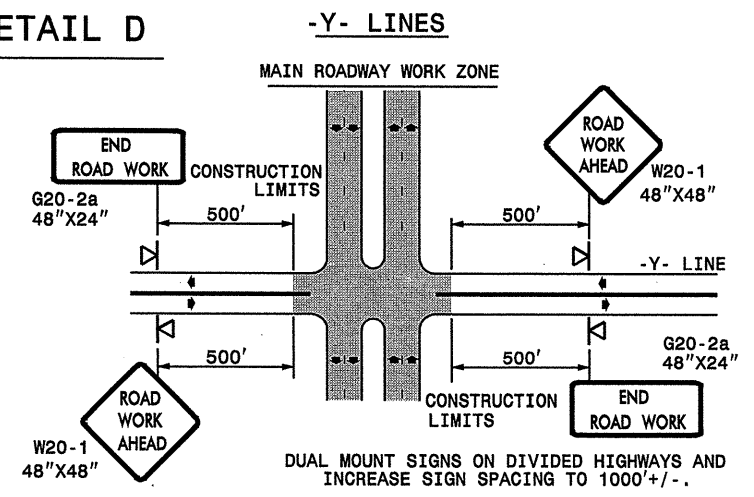
NOTE:  
 SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



CONSTRUCTION LIMITS IF LIMITS ARE NEAR RAMP, TERMINAL SIGNS SHOULD ALSO BE PLACED NEAR TERMINAL.

DETAIL D



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

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.
- 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.

LEGEND

- PORTABLE SIGN
- DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING  
 FOR FREEWAYS  
 WORK ZONE WARNING SIGNS  
 (SHORT-DURATION LANE CLOSURES)

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS

SCALE: NONE		REVISIONS	
DATE:		7-98	10/01
DWG. BY:		10-98	03/04
DESIGN BY:		01/01	11/04
REVIEWED BY:			

03-JAN-2008 2:02:22  
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 psey@ncdot.gov AT WZTCC37502

