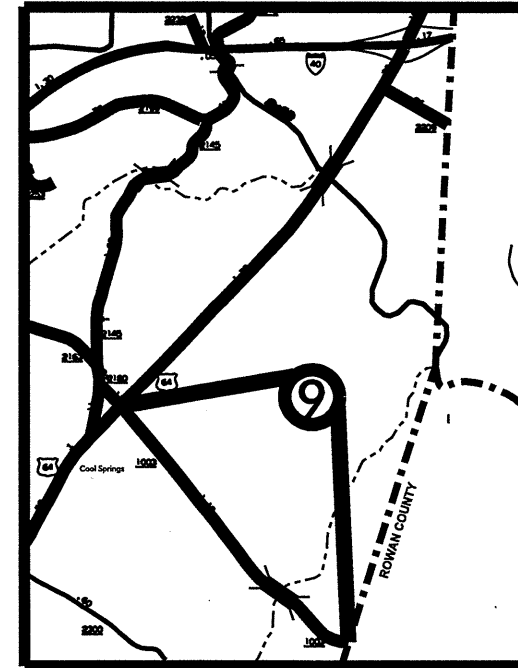
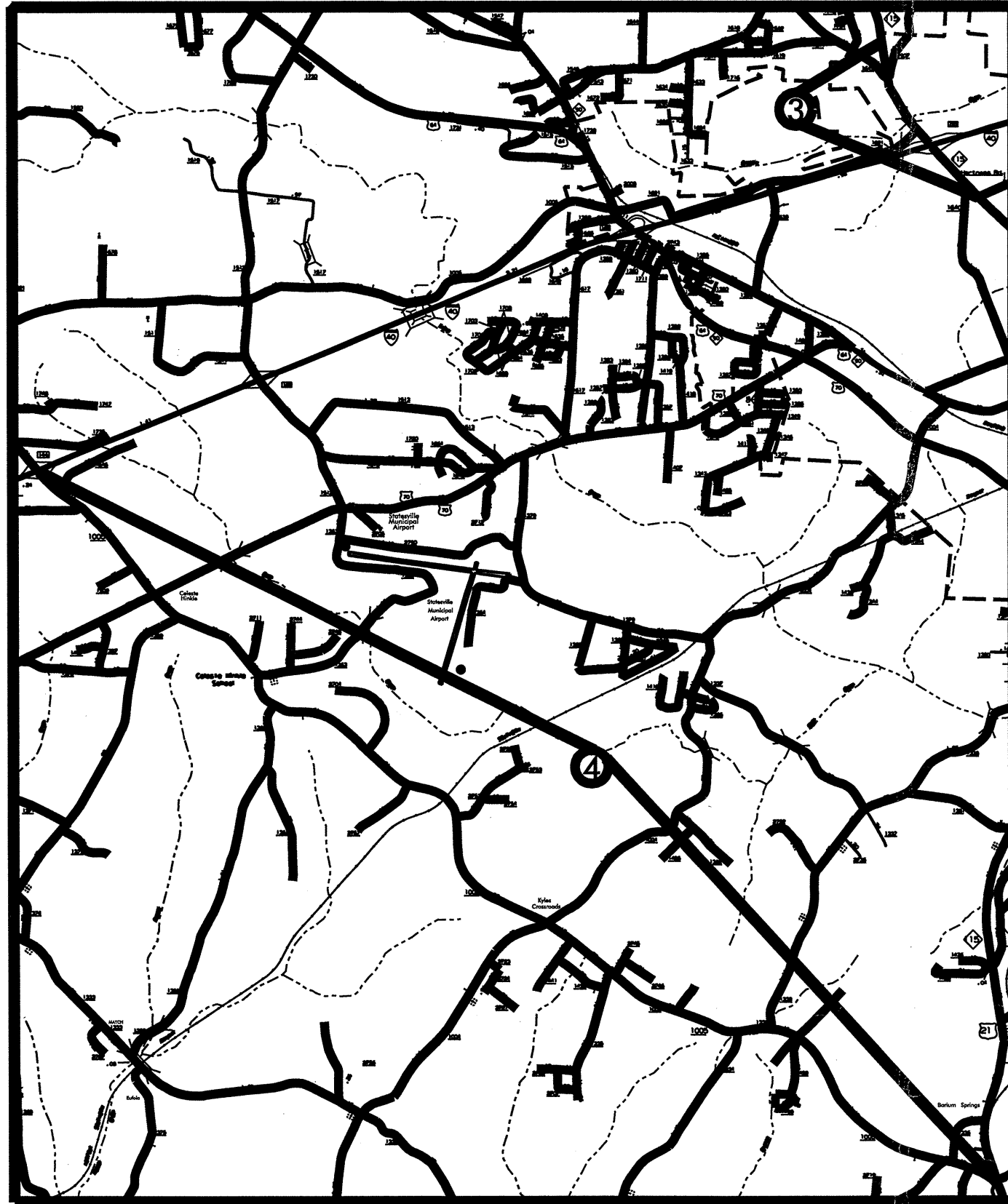

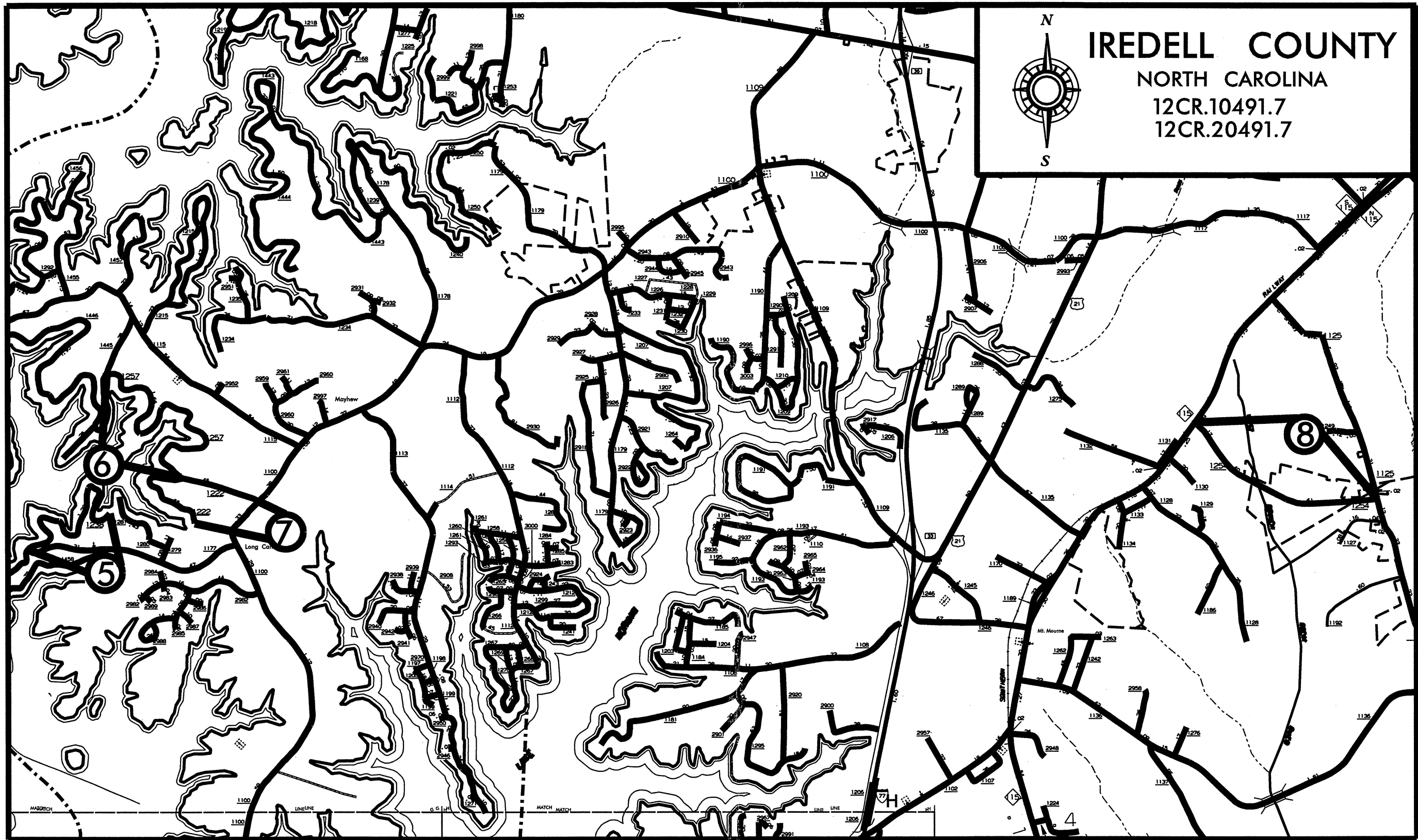

IREDELL COUNTY
 NORTH CAROLINA
 12CR.10491.7
 12CR.20491.7



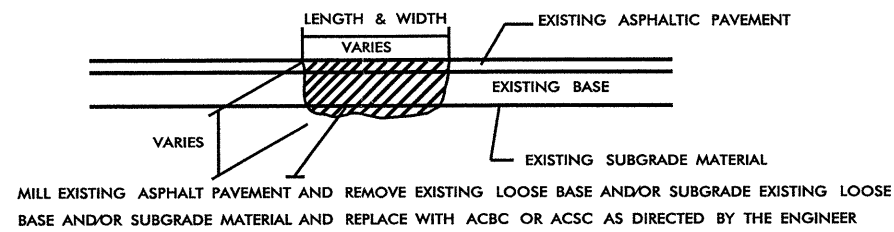
**IREDELL COUNTY**
NORTH CAROLINA
12CR.10491.7
12CR.20491.7



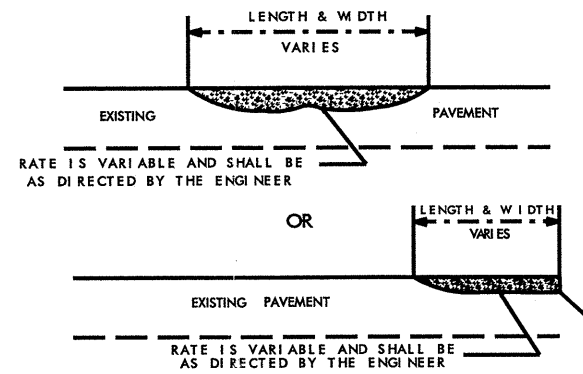
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
IREDELL COUNTY	4	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
12CR.10491.7		
12CR.20491.7		

PAVEMENT SCHEDULE	
A	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
C	SHOULDER RECONSTRUCTION OR ABC STONE SHOULDER RECONSTRUCTION AS DIRECTED BY ENGINEER
D	MILL ASPHALT PAVEMENT APPROX. 0" - 3" AS DIRECTED BY ENGINEER
E	MILL APPROX. 8" DEPTH, FULL WIDTH FOR 1325' AND REPLACE WITH APPROX. 6.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 370.5 LBS. PER SQ. YD. IN EACH OF TWO LAYERS AND APPROX. 1.5" ACSC, TYPE S9.5B.

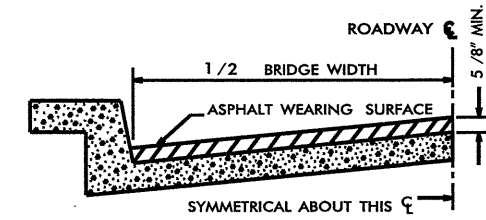
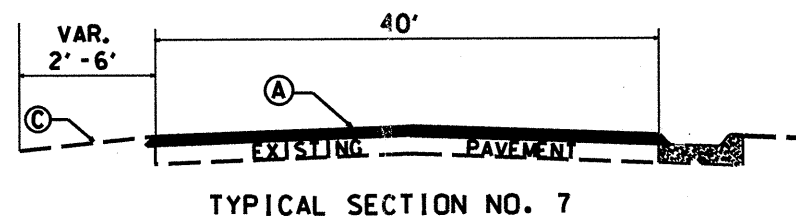
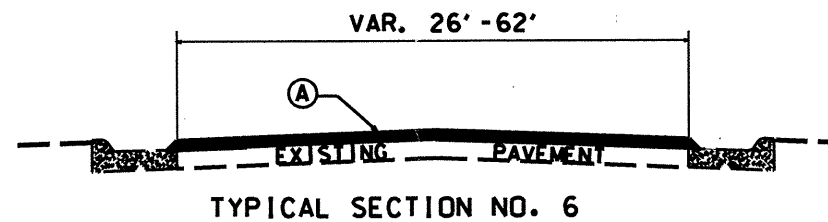
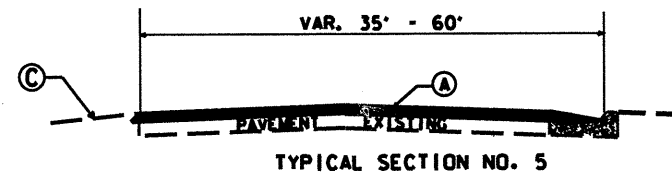
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.



PATCHING EXISTING PAVEMENT



**ASPHALT CONCRETE SURFACE COURSE
TYPE S9.5B. (LEVELING COURSE)**



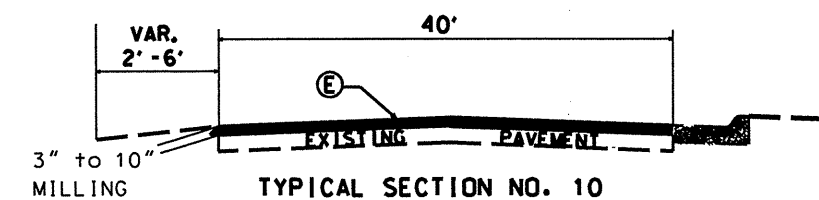
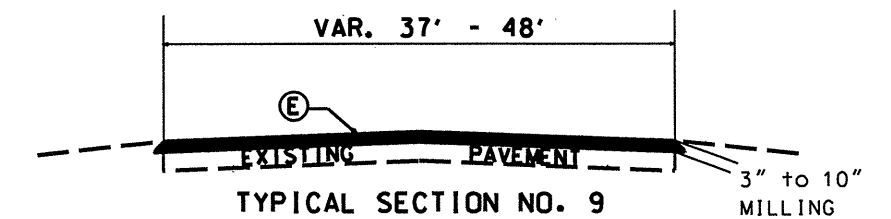
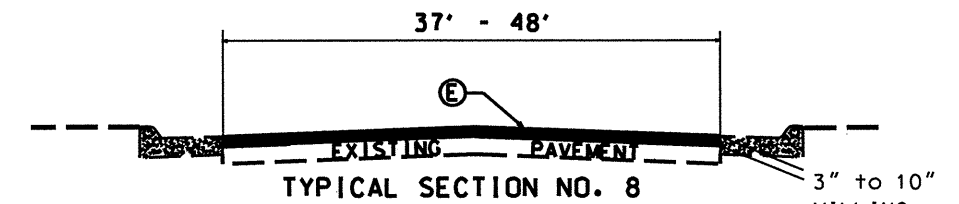
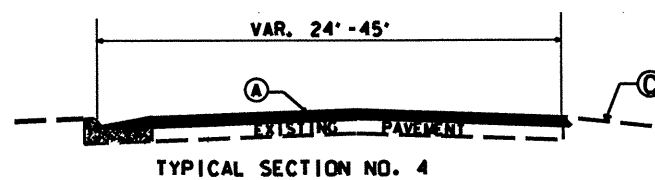
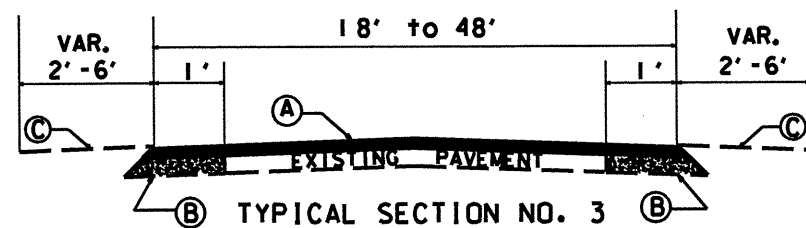
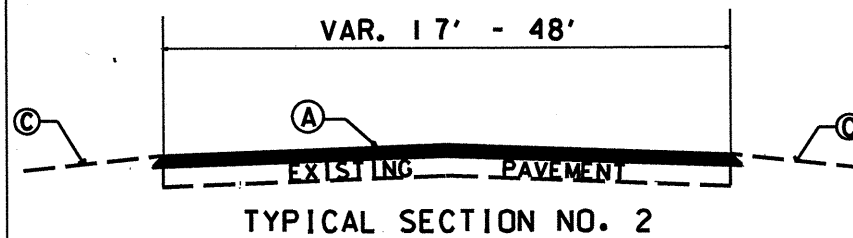
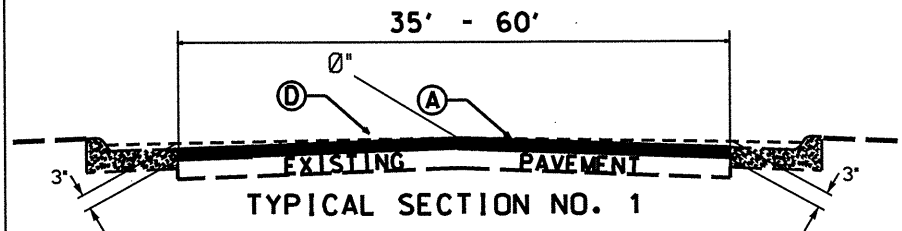
BRIDGE HALF TYPICAL SECTION

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 1-1/2" 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 UNLESS OTHERWISE NOTED.
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



PROJECT NO. 12CR.10491.7 12CR.20491.7	SHEET NO. 5	TOTAL NO.
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SUMMARY OF QUANTITIES

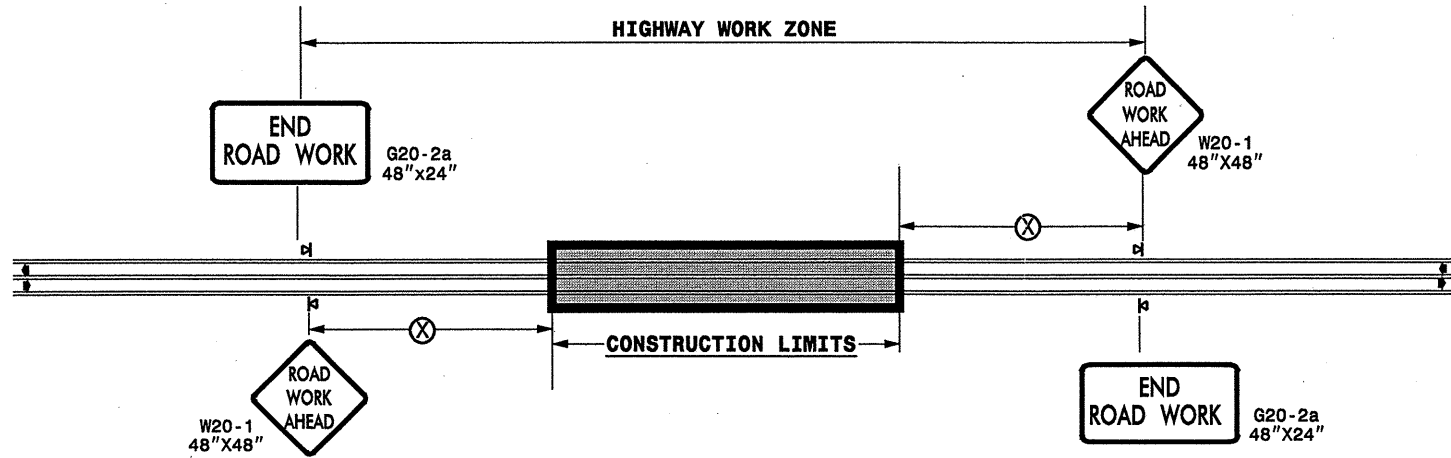
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	ABC STONE SHOULDER RECONSTRUCTION TONS	SHOULDER RECONSTRUCTION SMI	0" TO 3" MILLING SY	3" TO 10" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	PG 64-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF DROP INLETS EA	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	PORTABLE LIGHTING LS		
12CR.10491.7	Iredell	1	US 21 STATESVILLE	FROM SR-2233 PRISON CAMP RD TO HARMONY CITY LIMITS	3	8.52	Various 22' to 48'	250		17.12			577	4,580	14,133	200	1,058	400						
				5	0.04	Various 35' to 60'																		
		2	NC 115	FROM SR-1905 BAILEY FARM RD TO SR-1561 BOWLES FARM RD	2	2.88	30'	100	665				332		4,752	250	301	475						
		3	NC 115	FROM HARTNESS RD TO 1235' NORTH OF SR-1907 S. CHIPLEY FORD RD	1	0.14	Various 35' to 60'	150	230	17.12	3,082	6,510	150	4,580	6,343	150	416	550	2	12	5	*		
2	1.85				Various 30' to 48'																			
6	0.20				Various 26' to 62'																			
7	0.12				40'																			
8	0.13				Various 37' to 48'																			
9	0.10				Various 37' to 48'																			
10	0.03				40'																			
TOTAL FOR PROJ NO. 12CR.10491.7						14.01		500	895				1,059	4,580	25,228	600	1,775	1,425	2	12	5	1		
12CR.20491.7	Iredell	4	SR-1005 OLD MOUNTIAN RD	FROM US 21 TO I-40	2	7.08	Various 20' to 48'	200	1,695				250		9,327	400	586	800						
				4	0.29	Various 24' to 45'																		
		5	SR-1238 INDIAN TRAIL RD	FROM SR-1177 TO DEAD END	2	1.12	18	50								1,100	50	69	110					
		6	SR-1257 AGNEW RD	FROM SR-1222 TO SR-1445	2	1.63	17	50								1,778	177	118	177					
		7	SR-1222 SOUTHFORK RD	FROM SR-1100 TO DEAD END	2	1.03	20	50								1,124	112	75	112					
		8	SR-1254 TIMBER RD	FROM NC 115 TO SR-1125	2	1.24	24	75								1,666	166	111	166		1	1		
		9	SR-1003 WOODLEAF RD	FROM US 64 TO COUNTY LINE	3	1.2	18	75							640	1,192	120	107	120					
		TOTAL FOR PROJ NO. 12CR.20491.7						13.59		500	1,695				250	640	16,187	1,025	1,066	1,485		1	1	
		GRAND TOTAL						27.60		1,000	2,590	17.12	3,082	6,510	1,309	5,220	41,415	1,625	2,841	2,910	2	13	6	1

PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10491.7 12CR.20491.7	6	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E	4695000000-E	4725000000-E				4721000000-E	4710000000-E	4810000000-E		4820000000-E	4905000000-N
					4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	8" X 90 M YELLOW THERMO LF	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO STR. ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	THERMO SCHOOL 120 M EA	24" X 120 M WHITE THERMO LF	4" WHITE PAINT LF	4" YELLOW PAINT LF	8" YELLOW PAINT LF	SNOW PLOWABLE MARKERS EA
12CR.10491.7	Iredell	1	US 21 STATESVILLE	FROM SR-2233 PRISON CAMP RD TO HARMONY CITY LIMITS	92,106	56,496	100	5	5								566
		2	NC 115	FROM SR-1905 BAILEY FARM RD TO SR-1561 BOWLES FARM RD	30,989	19,008		2	2			12	124				190
		3	NC 115	FROM HARTNESS RD TO 1235' NORTH OF SR-1907 S. CHIPLEY FORD RD	27,438	16,830		43	9	9	3						200
R PROJ NO. 12CR.10491.7					150,533	92,334	100	50	16	9	3	12	124				956
								78									
12CR.20491.7	Iredell	4	SR-1005 OLD MOUNTIAN RD	FROM US 21 TO I-40				17				30	250	155,655	155,655	100	800
		5	SR-1238 INDIAN TRAIL RD	FROM SR-1177 TO DEAD END											23,655		
		6	SR-1257 AGNEW RD	FROM SR-1222 TO SR-1445											34,426		
		7	SR-1222 SOUTHFORK RD	FROM SR-1100 TO DEAD END											21,754		
		8	SR-1254 TIMBER RD	FROM NC 115 TO SR-1125										26,189	26,189		
		9	SR-1003 WOODLEAF RD	FROM US 64 TO COUNTY LINE										25,344	25,344		
TOTAL FOR PROJ NO. 12CR.20491.7								17				30	250	207,188	287,023		800
								17				30	250	494,211	100		
GRAND TOTAL					150,533	92,334	100	67	16	9	3	42	374	207,188	287,023	100	1,756
								95						494,211			

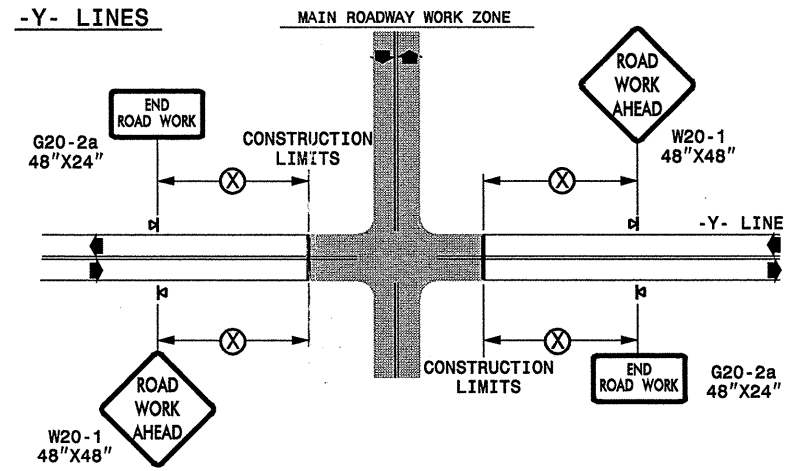
TWO-WAY UNDIVIDED ** (L-LINES)



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

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

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



DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

GENERAL NOTES

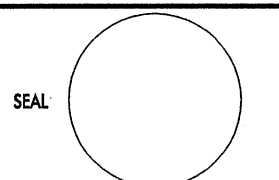

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH 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

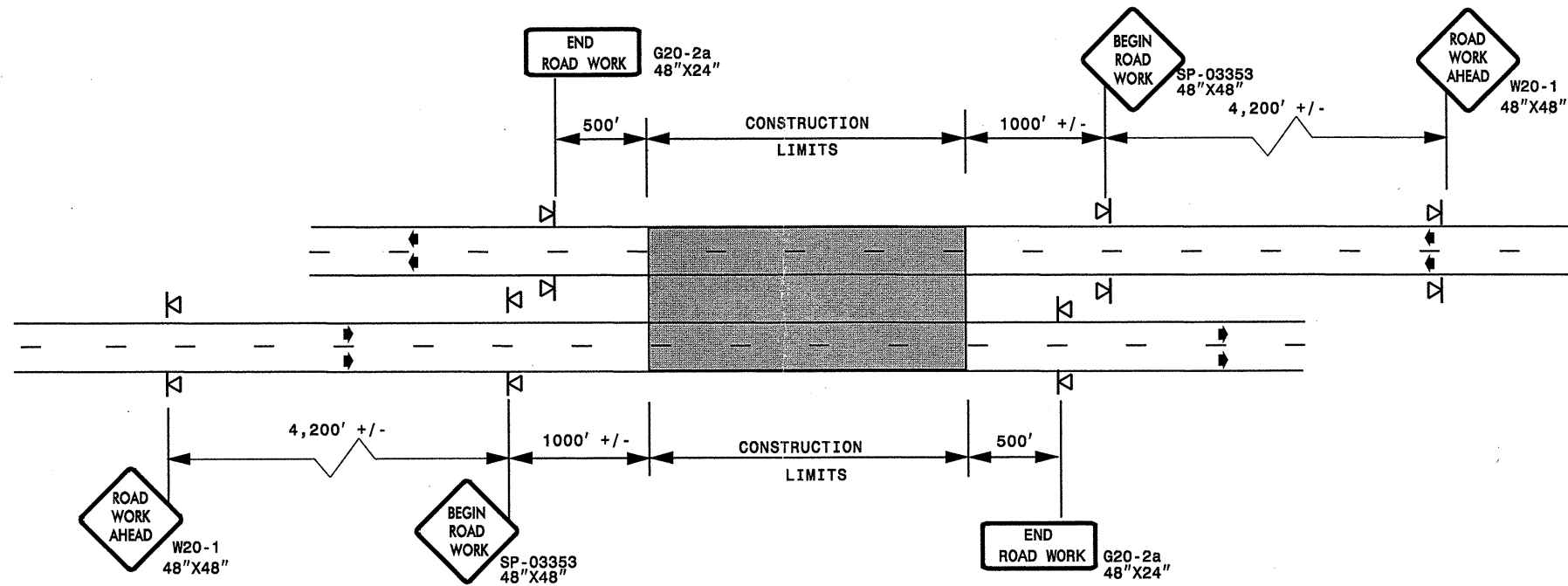
SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED 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: _____			

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 pseymore AT WZT237502

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

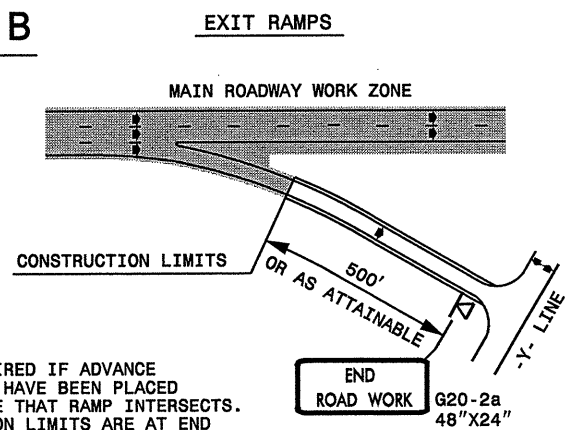
DETAIL A



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

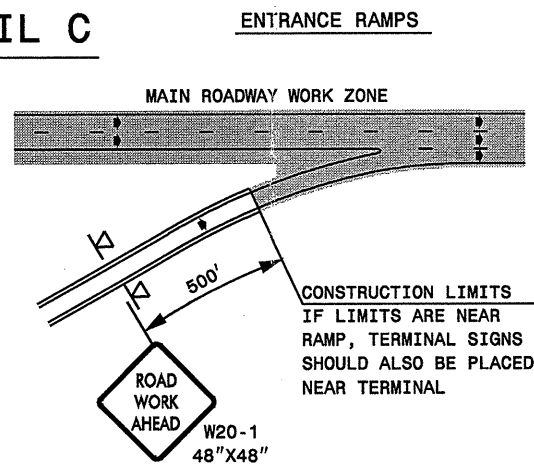
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B

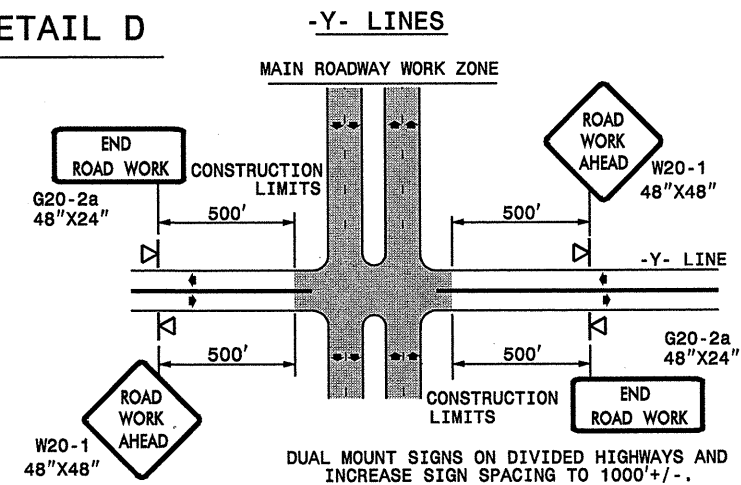


NOTE:
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



DETAIL D



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

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

SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS		
SEAL	SCALE: NONE		REVISIONS	
	DATE:		7-98	10/01
	DWG. BY:		10-98	03/04
	DESIGN BY:		01/01	11/04
REVIEWED BY:				

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psymore AT WZTC237502

