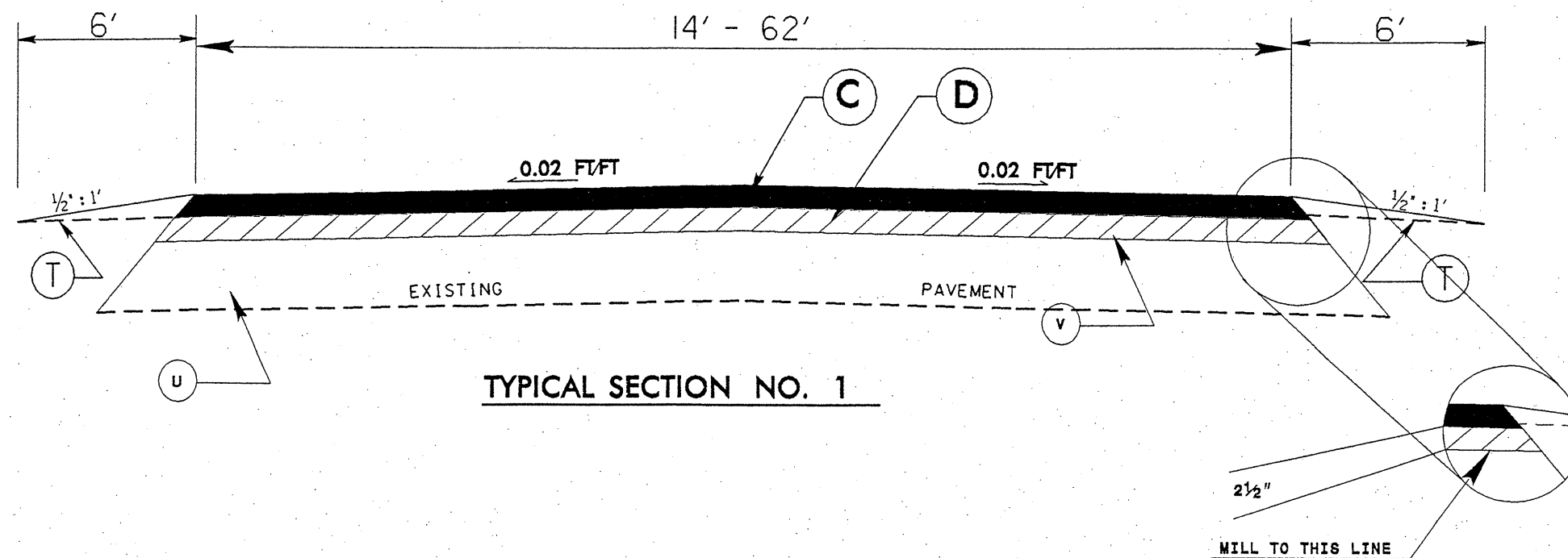
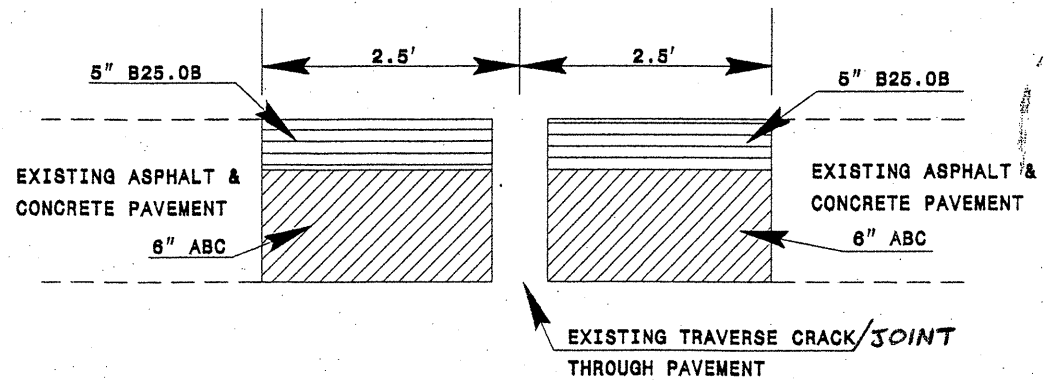


DUPLIN COUNTY



PAVEMENT SCHEDULE	
C	PROPOSED APPROX. 1 1/2" OF ASPHALT CONCRETE SURFACE COURSE TYPE 89.5B, AT A RATE OF 168 LBS. PER SQ.YD
D	PROPOSED APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0B, AT A RATE OF 285 LBS. PER SQ.YD
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V	MILLING BITUMINOUS PAVEMENT. 2 1/2 In. DEPTH. <i>Will vary from 0"-2.5" at the direction of the Engineer</i>



SUMMARY OF QUANTITIES

WBS ELEMENT	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP NO.	LENGTH	WIDTH	ASPHALT BINDER 64-22 TON	PATCH EXISTING PAVT FULL DEPTH TON	MILLING 0" TO 2 1/2" SY	INCIDENTAL MILLING SY	SURFACE COURSE S9.5B TON	INTERMEDIATE COURSE I19.0B TON	PLANT MIX PAVEMENT REPAIR 5" ACIC B25.0B TON	PAVEMENT REPAIR 6" ABC TON	SHOULDER RECONSTR. SHDR MI.	BORROW EXCAVATION CY	SEEDING & MULCHING AC	EROSION CONTROL MATTING SY	INCIDENTAL STONE TON	ADJ MANHOLE EA	ADJ VV/VB EA	
3CR.10311.33	DUPLIN	1	US 117	FAISON CITY LIMIT TO BEGIN DIVIDED HIGHWAY	1	2.00	24					2720	4414										
"	"				1	0.05	38					108	175										
"	"				1	0.10	24-38					176	285										
"	"				1	0.05	24-42					94	152										
"	"			7 NON-SYSTEM INTERSECTION @ 8 TONS EACH								56											
TOTAL FOR MAP No. 1						2.20		426	100	32100	1900	3154	5026	276	400	4.40	505	3.52	100	4	5		
"	"	2	US 117 NBL	BEGIN DIVIDED HIGHWAY TO 0.05 MI NORTH OF US 117 ALT	1	1.15	24					1564	2538										
"	"				1	0.05	36					102	166										
"	"				1	0.10	62					351	570										
"	"				1	0.05	24-36					85	138										
TOTAL FOR MAP No. 2						1.35		286	75	21800	100	2102	3412			2.70	300	2.16	1900	50			
"	"	3	US 117 SBL	0.05 MI NORTH OF US 117 ALT TO END DIVIDED HIGHWAY	1	0.90	24					1224	1986										
"	"				1	0.25	24-36					425	690										
"	"				1	0.20	14-24					215	349										
TOTAL FOR MAP No. 3						1.35		254	75	19300	100	1864	3025			2.70	300	2.16	1900	50			
TOTAL FOR WBS ELEMENT 3CR.10311.33						4.90		966	250	73200	2100	7120	11463	276	400	9.80	1105	7.84	3800	200	4	5	

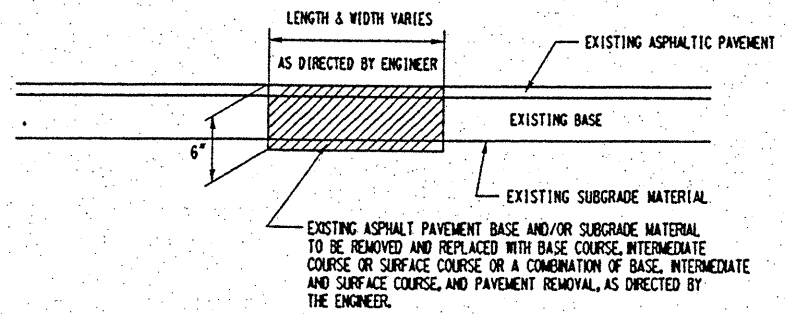
Total Project Length = 3.55 miles

THERMO PLASTIC PAVEMENT MARKINGS															PAINT PAVEMENT MARKINGS										PAVEMENT MARKERS		
WBS ELEMENT	COUNTY	MAP NO.	4"WHITE 90 MILS (E/L) LF	4"WHITE 120 MILS (S & MS) LF	24"WHITE 120 MILS (ST. BARS) LF	4"YELLOW 90 MILS (E/L) LF	4"YELLOW 120 MILS (C/L) LF	8"YELLOW 90 MILS (G/L) LF	MERGE ARROW 90 MILS EA	LT TURN ARROW 90 MILS EA	RT TURN ARROW 90 MILS EA	STRAIGHT ARROW 90 MILS EA	COMB. STR. & RT ARROW 90 MILS EA	COMB. STR. & LT ARROW 90 MILS EA	4"WHITE LF	4"YELLOW LF	8"YELLOW LF	24"WHITE (ST. BARS) LF	MERGE ARROW EA	LT TURN ARROW EA	RT TURN ARROW EA	STRAIGHT ARROW EA	COMB. STR. & RT ARROW EA	COMB. STR. & LT ARROW EA	S/P RAISED (Y/Y) EA	S/P RAISED (C/R) EA	
3CR.10311.33	DUPLIN	1	23240		150		8135	62		8			8		46480	16270	124	300		16			16			145	
		2	7130	1785		7130		187		3		5	3	4	17830	14260	374			6		10		8		95	
		3	7130	1785		7130		230	4	2		4			17830	14260	460		8	4		8		8		95	
GRAND TOTAL			37500	3570	150	14260	8135	479	4	10	3	9	11	4	82140	44790	958	300	8	20	6	18	22	8	145	190	

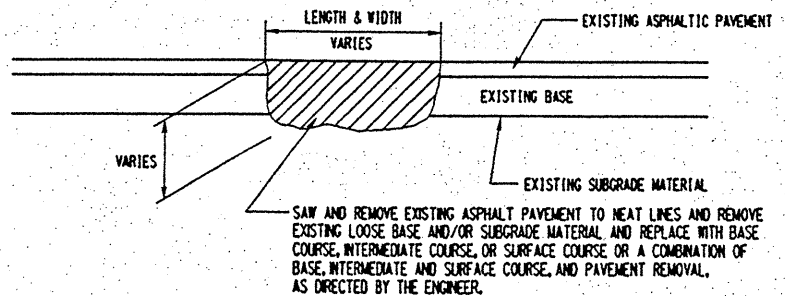
NOTE: PRIMARY ROADS 24' IN WIDTH WILL HAVE THE EDGE LINES 1' FROM EDGE OF PAVEMENT
 PRIMARY ROADS 28' - 40' IN WIDTH OR GREATER WILL HAVE THE EDGE LINES 2' FROM EDGE OF PAVEMENT
 SECONDARY ROADS 22'-24' IN WIDTH WILL HAVE THE EDGE LINES 1' FROM EDGE OF PAVEMENT
 SECONDARY ROADS 26' - 40' IN WIDTH OR GREATER WILL HAVE THE EDGE LINES 2' FROM EDGE OF PAVEMENT

WBS ELEMENT	SHEET 4 OF 7
3CR.10311.33	

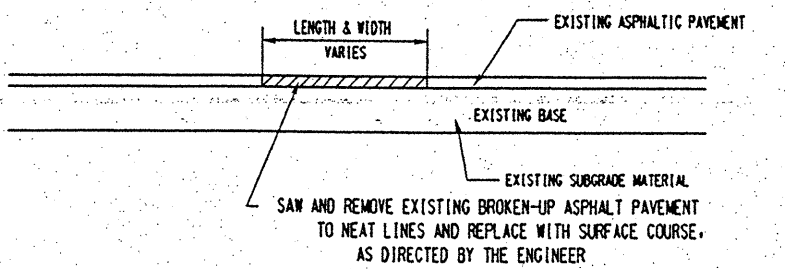
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



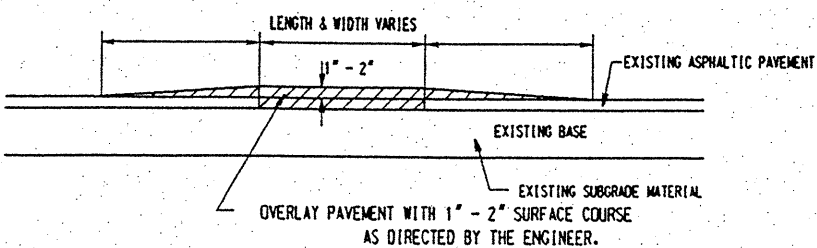
DETAIL NO. 1



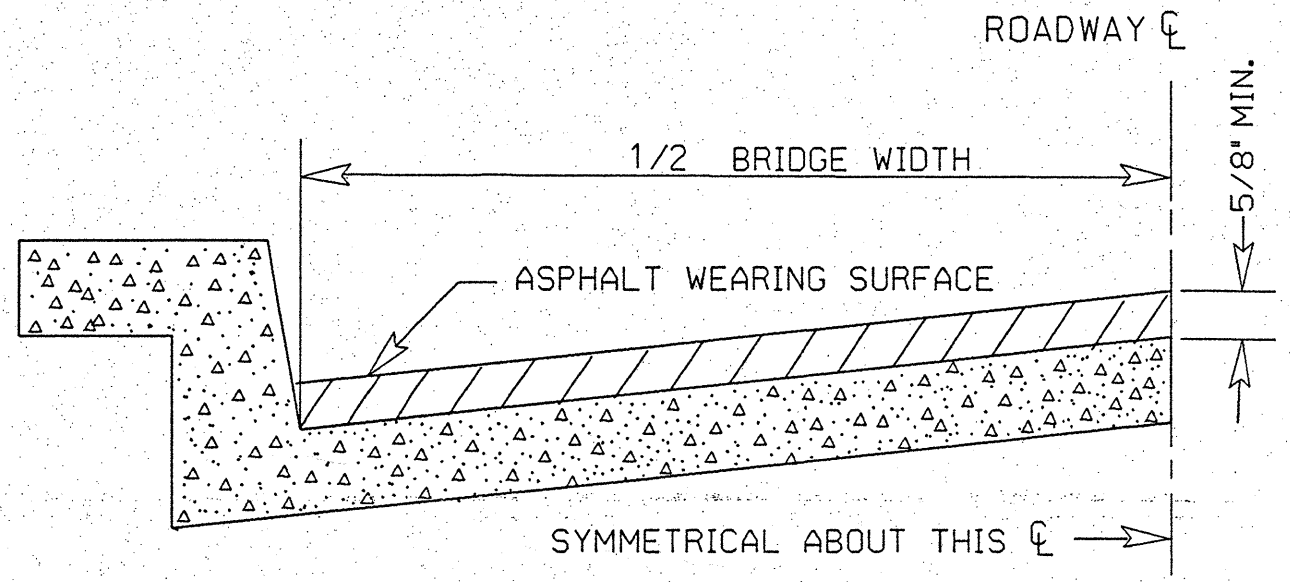
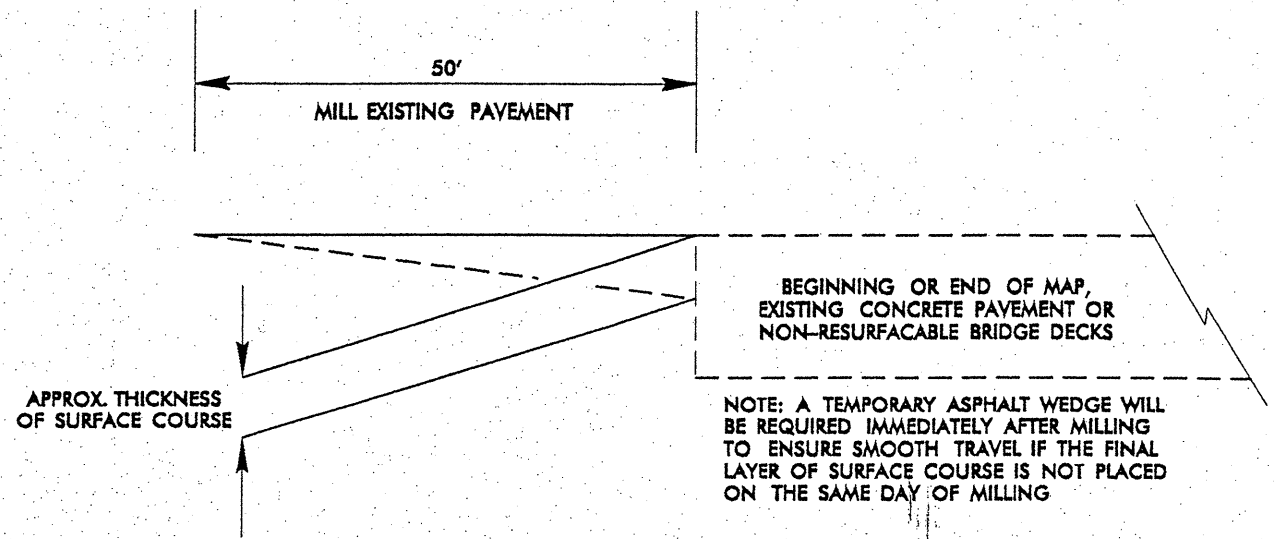
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



BRIDGE HALF TYPICAL SECTION

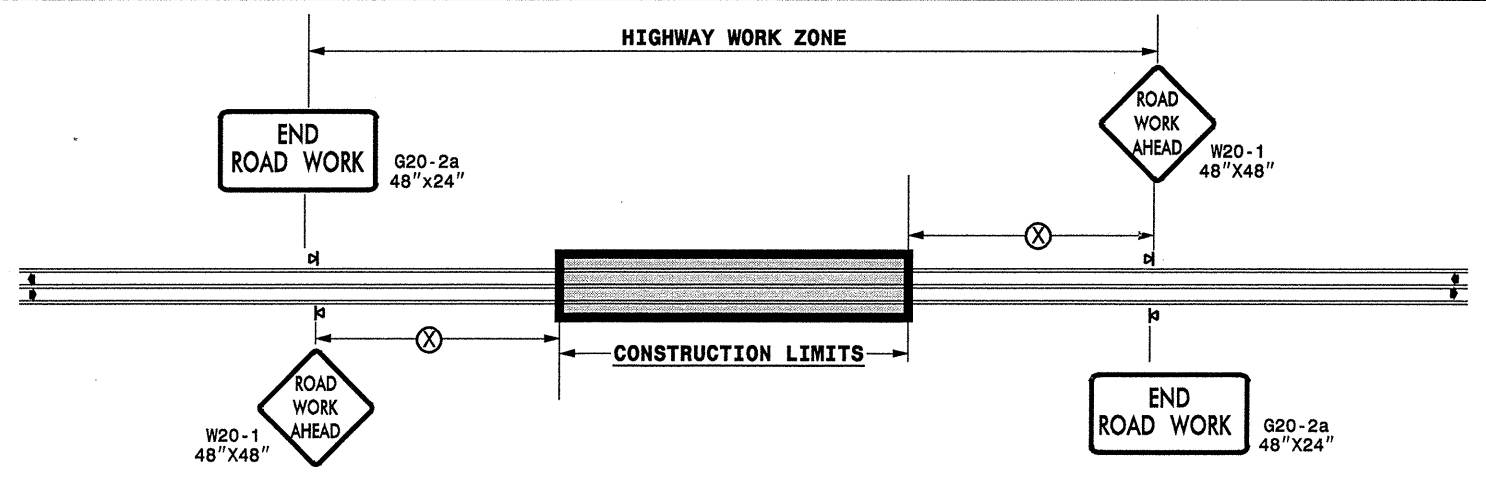
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN ^{1.5"}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.

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AT D:\CAD\DRY

507

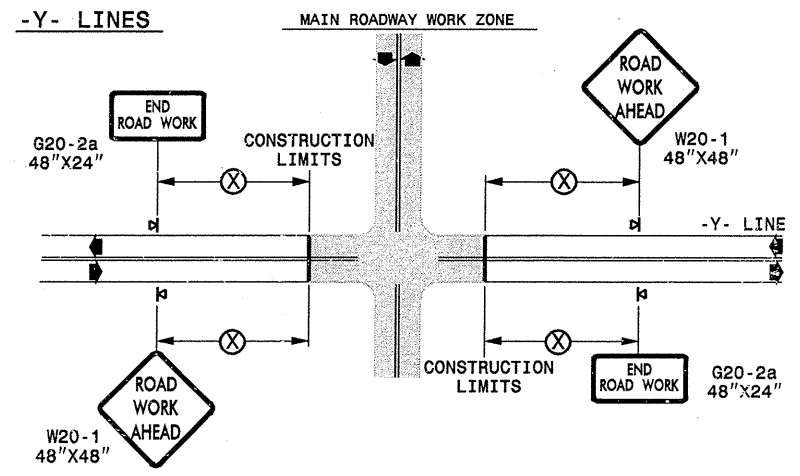
TWO-WAY UNDIVIDED ** (L-LINES)



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)



GENERAL NOTES


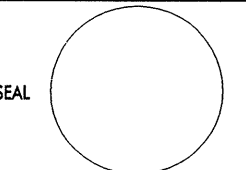
- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH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

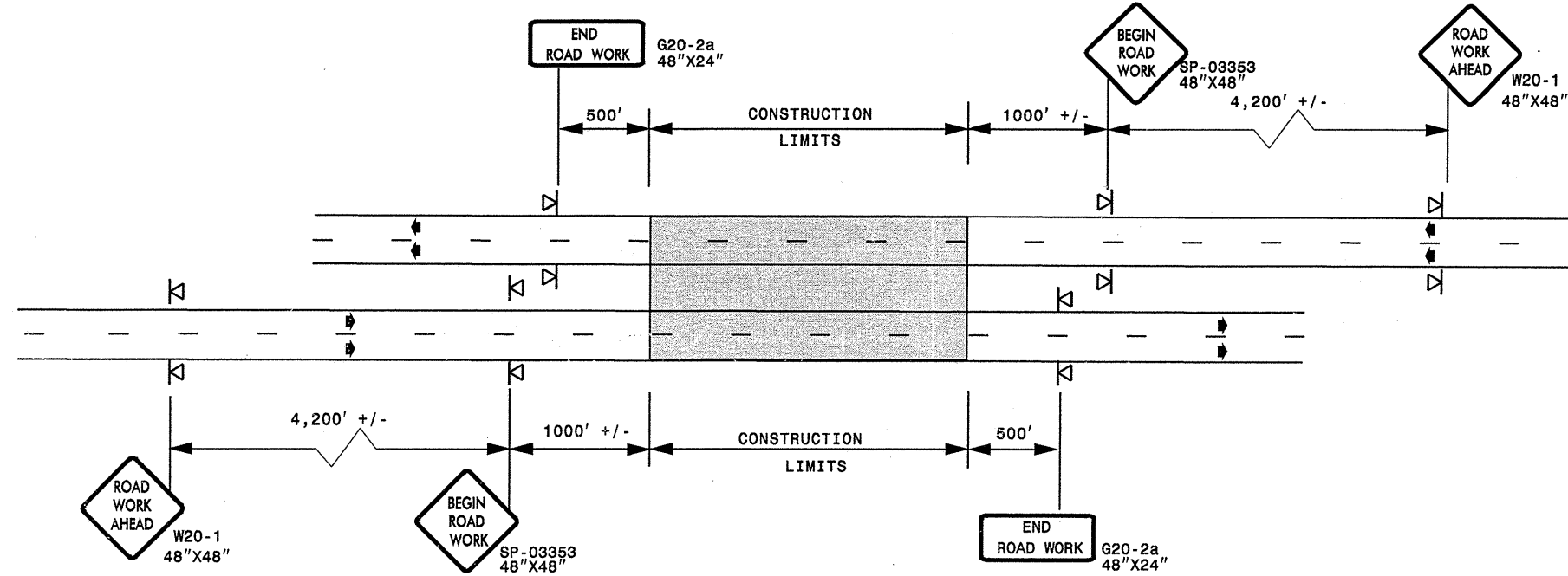
DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

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

02-OCT-2006 15:41 C:\projects\w77TCCC\designgroup\1\common\resur-facings\resur-facings\3cr1031133-2wayundivurbfrwysjuly2006.dgn
 AT: W212064Z1

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

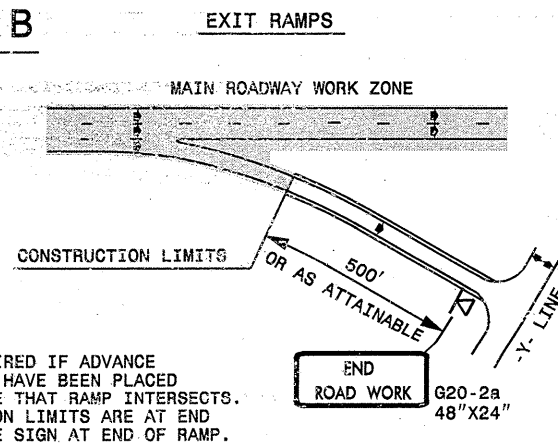
DETAIL A



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

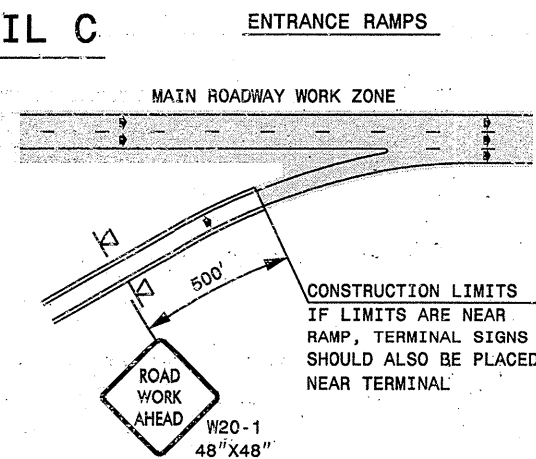
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B



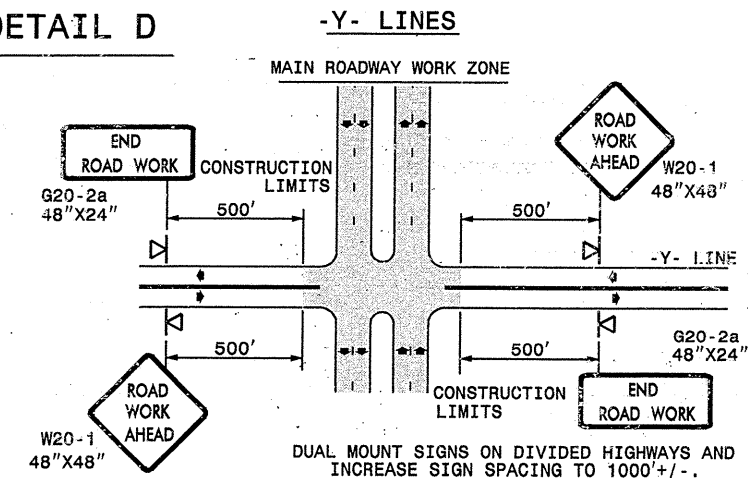
NOTE:
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

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 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 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)

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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7 of 7

PROJ. REFERENCE NO. 3CR.10311.33	SHEET NO. TCP-3
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SP 03353

SIGN NUMBER: SP-03353 TYPE: A QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.59" WIDTH: 0.75" RADII: 1.38" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: Fluorescent Orange COPY COLOR: Black	DESIGN BY: CL DOWNEY PROJECT ID: ALL PROJECTS	CHECKED BY: CHECKED DIV: DIV	STD #: W20-1 DATE: Aug 20, 2003
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SYMBOL	X	Y	WID	HT

BORDER
R=1.38"
TH=0.75"
IN=0.59"

LETTER POSITIONS

Letter spacings are to start of next letter

	B	E	G	I	N		Series/Size	
	22.4	5.3	4.6	5.4	2.5	3.8	22.4	C7
								21.6
	R	O	A	D				C7
								19.6
	23.4	5	5.2	5.6	3.8	23.4		C7
								21.2
	H	O	R	K				
	22.6	6.4	5.6	5.2	4	22.6		

Spacing Factor is 1 unless specified otherwise

FILENAME: SPECIENAK

NORTH CAROLINA D.O.T. SIGN DETAIL

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

DETAIL DRAWING FOR
WORK ZONE SIGNS
BEGIN ROAD WORK

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

SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR ADVANCED WORK ZONE WARNING SIGN DESIGNS			
SEAL 	SCALE: NONE				
	DATE: 0803			REVISIONS	
	DWG. BY:			0404	1104
	DESIGN BY:				
REVIEWED BY:					

02-OCT-2006 15:17 C:\P\GROUPS-WZTCCC\design\group4\common4\resurfacing\resurfacing2006\div03\3cr1031133e\tduplin\3cr1031133e\sign\designs\July2006.dgn