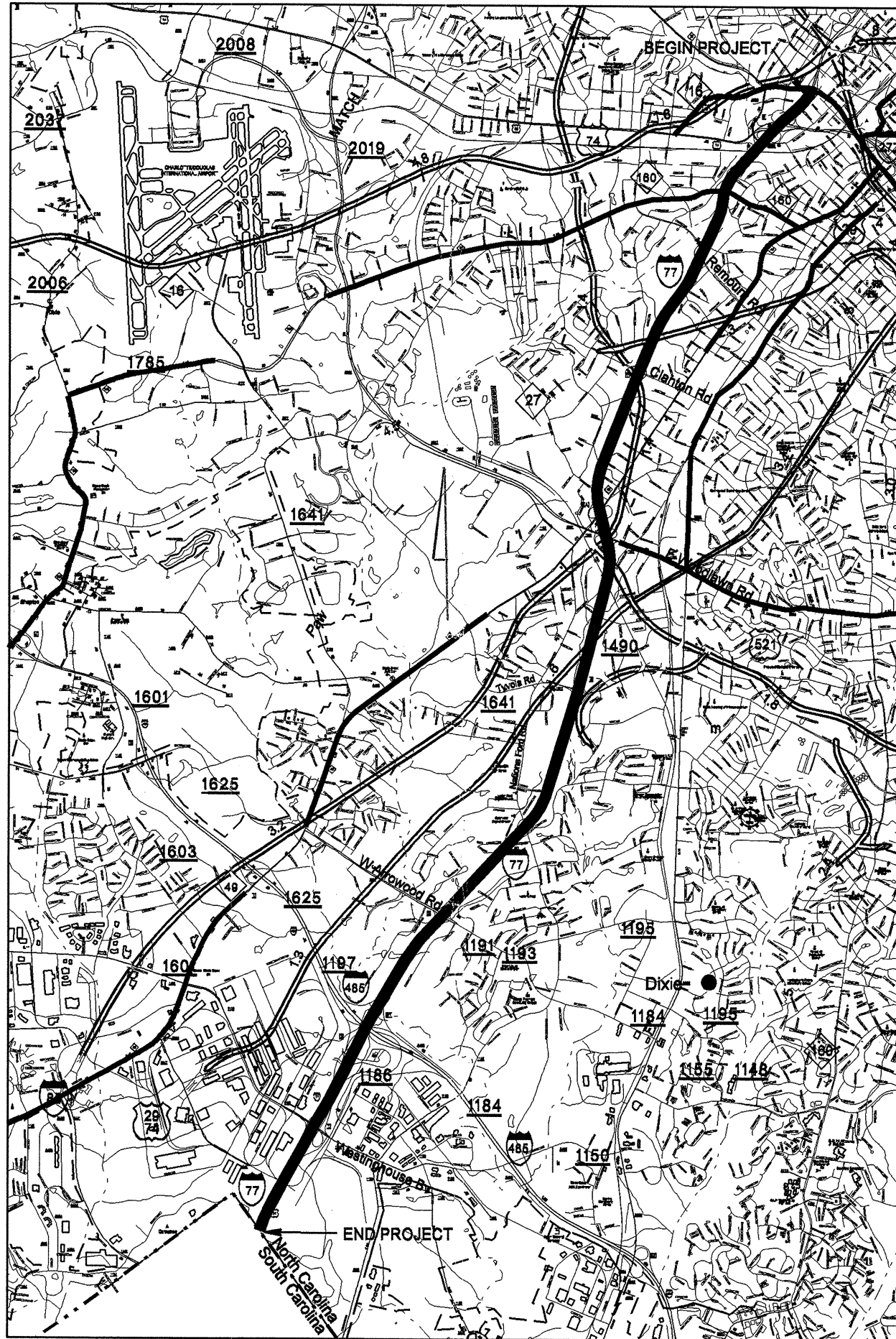


VICINITY MAP (WBS 38732.3.1)

I-77 FROM I-277 (EXIT 9) TO THE SOUTH CAROLINA STATE LINE
MECKLENBURG COUNTY

Sheet 1 of 4
C201734

I-4720



PROJECT NO.	SHEET NO.	TOTAL NO.
I-4720 WBS 38732	2	4

SUMMARY OF QUANTITIES

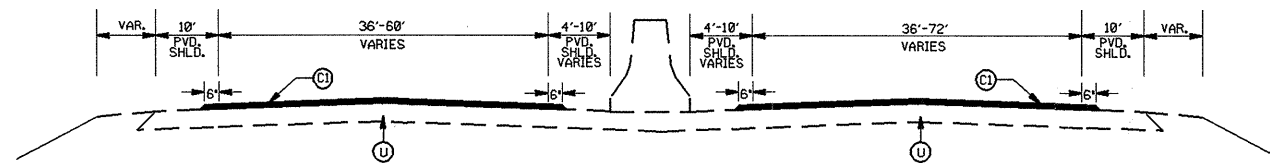
I-4720

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	INCIDENTAL MILLING SY	PG 76-22 PLANT MIX TONS	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED TON	PATCHING EXISTING PAVEMENT TONS	LEVELING COURSE, S9.5D TON	PORTABLE LIGHTING LS
I-4720 WBS 38732	Mecklenburg	1	I-77	I-77 FROM I-277 (EXIT 9) TO THE SOUTH CAROLINA STATE LINE	1 & 2	8.7	36-72	2400	1418	19650	500	3000	1
TOTAL FOR PROJ NO. WBS 38732								2400	1418	19650	500	3000	1
GRAND TOTAL						0		2400	1418	19650	500	3000	1

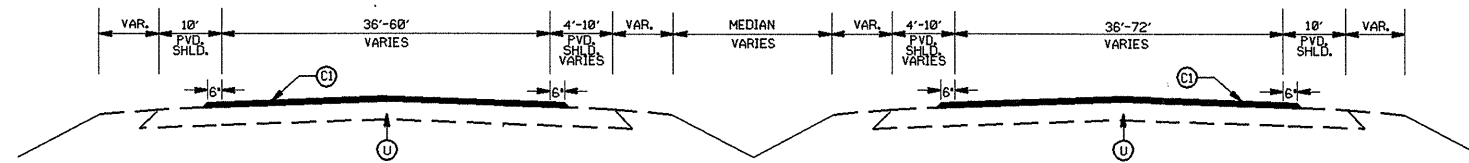
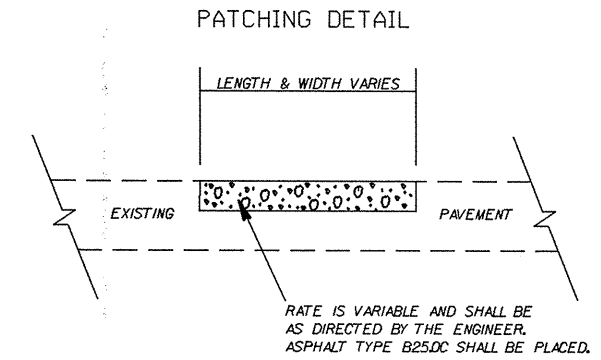
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4400000000-E	4415000000-E	4420000000-N	4430000000-E	4480000000-N	4516000000-N	4810000000-E	4820000000-E	4688000000-E		4690000000-E	4700000000-E	4721000000-E	4725000000-E		4905000000-N
					STATIONARY WORK ZONE SIGN SF	FLASHING ARROW PANELS, TYPE C EA	CHANGEABLE MESSAGE SIGNS EA	DRUMS EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH) EA	SKINNY DRUMS EA	4" WHITE PAINT LF	8" WHITE PAINT LF	6" WHITE THERMO (90 MILS) LF	6" YELLOW THERMO (90 MILS) LF	6" WHITE THERMO (120 MILS) LF	12" WHITE THERMO (90 MILS) LF	THERMO MSG "ONLY" CHARACTERS EA	THERMO MERGE ARROW (90 MILS) EA	THERMO RT ARROW (90 MILS) EA	SNOW PLOWABLE MARKERS EA
I-4720 WBS 38732	Mecklenburg	1	I-77	I-77 FROM I-277 (EXIT 9) TO THE SOUTH CAROLINA STATE LINE	956	2	2	100	2.0	350	65,000	27,850	108,700	108,700	64,300	27,850	12	57	3	4,400
TOTAL FOR PROJ NO. WBS 38732					956	2	2	100	2	350	65,000	27,850	108,700	108,700	64,300	27,850	12	57	3	4,400
GRAND TOTAL					956	2	2	100	2	350	65,000	27,850	108,700	108,700	64,300	27,850	12	57	3	4,400

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS 38732.3.1	3	4
F.A. PROJECT NO.			



TYPICAL SECTION NO.2



TYPICAL SECTION NO.1

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 5/8" OPEN GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 75 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT

I-77 FROM I-277 (EXIT 9) TO THE SOUTH CAROLINA STATE LINE

SCALE	-NA-
DATE	1/07
DWG. BY	TWB
DESIGN BY	
APPROVED	KC



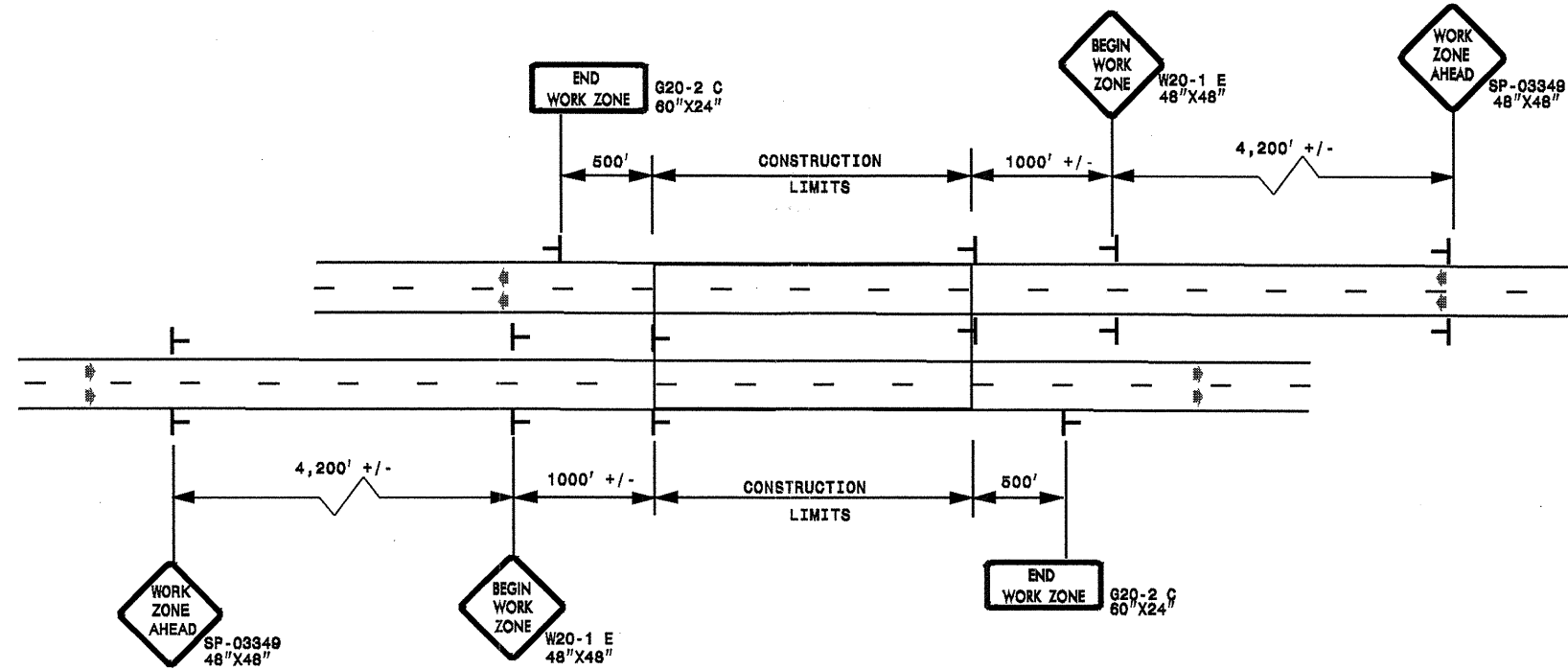
REVISIONS	

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

PROJ. REFERENCE NO. WBS 38732	SHEET NO. TCP- 1
----------------------------------	---------------------

Sheet 4 of 4

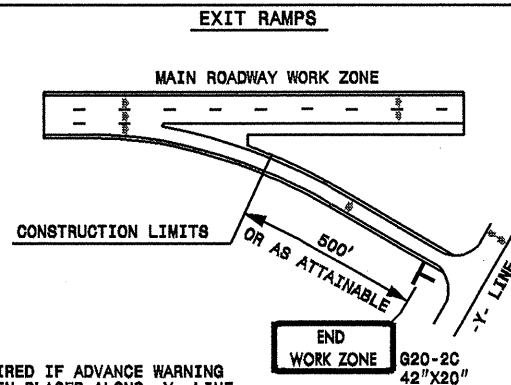
DETAIL A



LEGEND	
—	STATIONARY SIGN
→	DIRECTION OF TRAFFIC FLOW

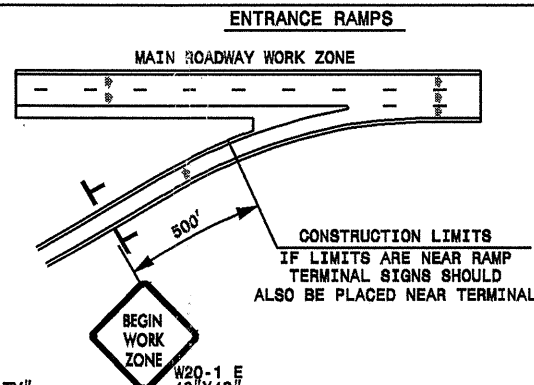
* USE THE "\$250 SPEEDING PENALTY" SIGN, SPEED LIMIT SIGN, AND ORANGE PANEL; ONLY WHEN A "\$250 SPEEDING PENALTY" ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.

DETAIL B



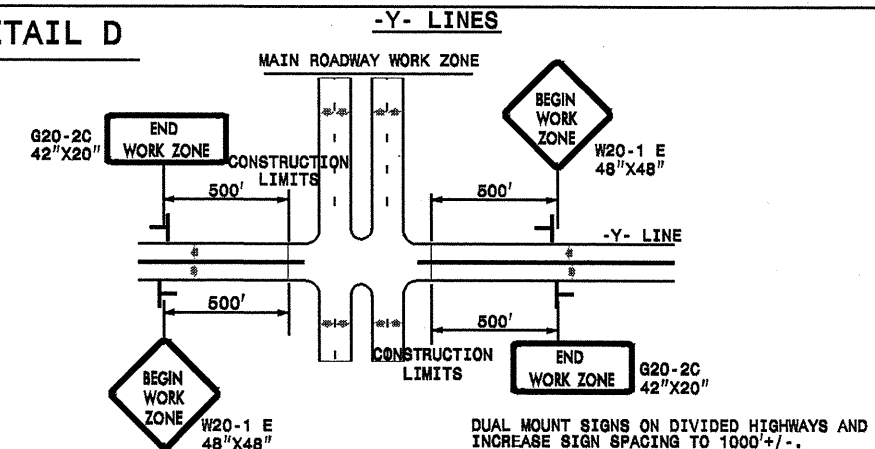
NOTE: SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



** USE THE "\$250 SPEEDING PENALTY" SUPPLEMENTAL SIGN ONLY IF AN ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.

DETAIL D



GENERAL NOTES

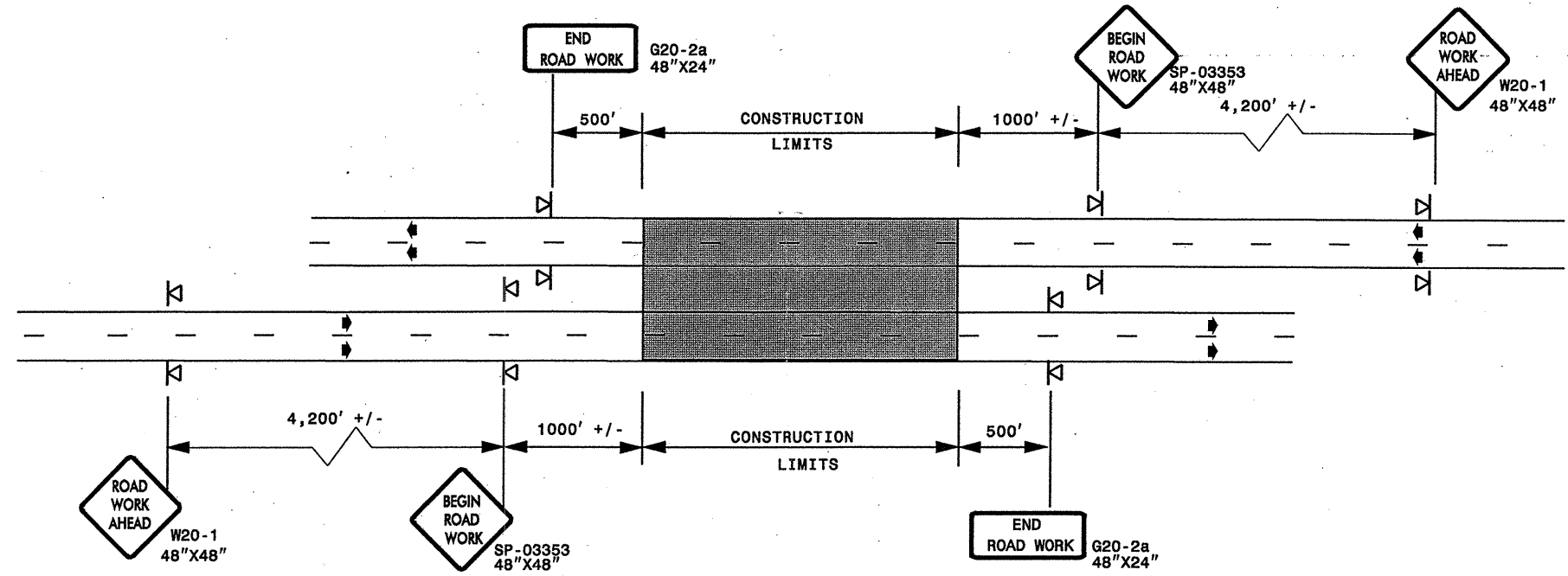
- USE TYPE I AND TYPE II SHEETING FOR ALL WORK ZONE WARNING SIGNS UNTIL THE EXISTING TYPE I AND TYPE II SHEETING INVENTORIES ARE EXHAUSTED, OTHERWISE USE TYPE VII SHEETING OR HIGHER. (STANDARD PRACTICE FOR SIGN SHEETING, S-68)
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.

APPROVED: _____	DATE: _____	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)	
SEAL	SCALE: NONE		REVISIONS
	DATE: 8/03		
	DWG. BY: JI		
	DESIGN BY: JI		
	REVIEWED BY: _____		

29-JAN-2007 08:40 s:\com\oct's\resurfacing projects\division 10\1-4720\freeways_4lanes_or_greater.dgn cberry

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

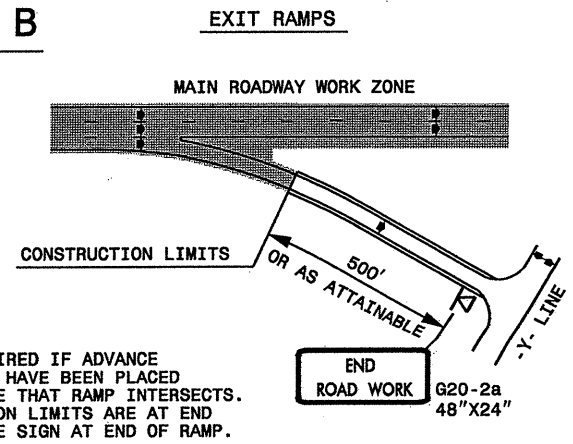
DETAIL A



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

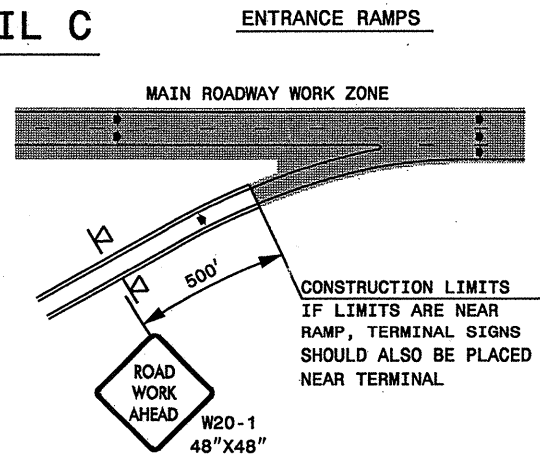
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B



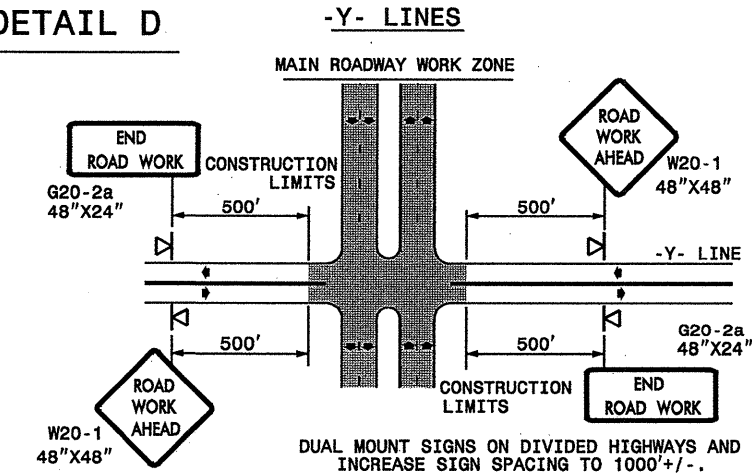
NOTE:
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

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' +/-.

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

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

APPROVED: _____	DATE: _____		DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS									
			SCALE: NONE	<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td>7-98</td> <td>10/01</td> </tr> <tr> <td>10-98</td> <td>03/04</td> </tr> <tr> <td>01/01</td> <td>11/04</td> </tr> </table>		REVISIONS		7-98	10/01	10-98	03/04	01/01
		REVISIONS										
7-98	10/01											
10-98	03/04											
01/01	11/04											
SEAL		DATE: _____ DWG. BY: _____ DESIGN BY: _____ REVIEWED BY: _____										

21-MAR-2007 14:21
 \\DOT\DFSROOT\GROUPOS-WZTCCC\design\group4\resurfacing\resurfacing\div10\387323\meckenbur\gl4720_1\T\387323\fr ee4\lansesreat\july2006.dgn
 psymore AT WZTC206427

