

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
K-4703	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
WILKES COUNTY**

K-4703

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"- PROJECT SERVICES UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURE
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP-2	PROJECT NOTES
TCP-3	PHASING AND FINAL PAVEMENT MARKING SCHEDULE
TCP-4	DETAIL 1 - -L- STA. 12+21 TO -L- STA. 55+00
TCP-5	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)
PM-1	FINAL PAVEMENT MARKING PLAN - US 421 NORTH BOUND
PM-2	FINAL PAVEMENT MARKING PLAN - REST AREA

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - REMOVAL OF EXISTING PAVEMENT
- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM SKINNY DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - WARNING FLAGS
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER
- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

TIP PROJECT:

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APPROVED: DATE: 5/7/07	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
	J. S. BOURNE, PE TRAFFIC CONTROL ENGINEER
	J. ISHAK, PE TRAFFIC CONTROL PROJECT ENGINEER
	J.L. PORTANOVA, PE TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	E. K. GROUNDWATER TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

PHASING

FINAL PAVEMENT MARKING SCHEDULE

COORDINATE WITH THE UTILITY CONTRACTOR AND WITH THE ENGINEER IN CHARGE TO PROVIDE ANY TRAFFIC CONTROL NEEDED TO PERFORM THE PROPOSED UTILITY CONSTRUCTION ON THIS PROJECT.

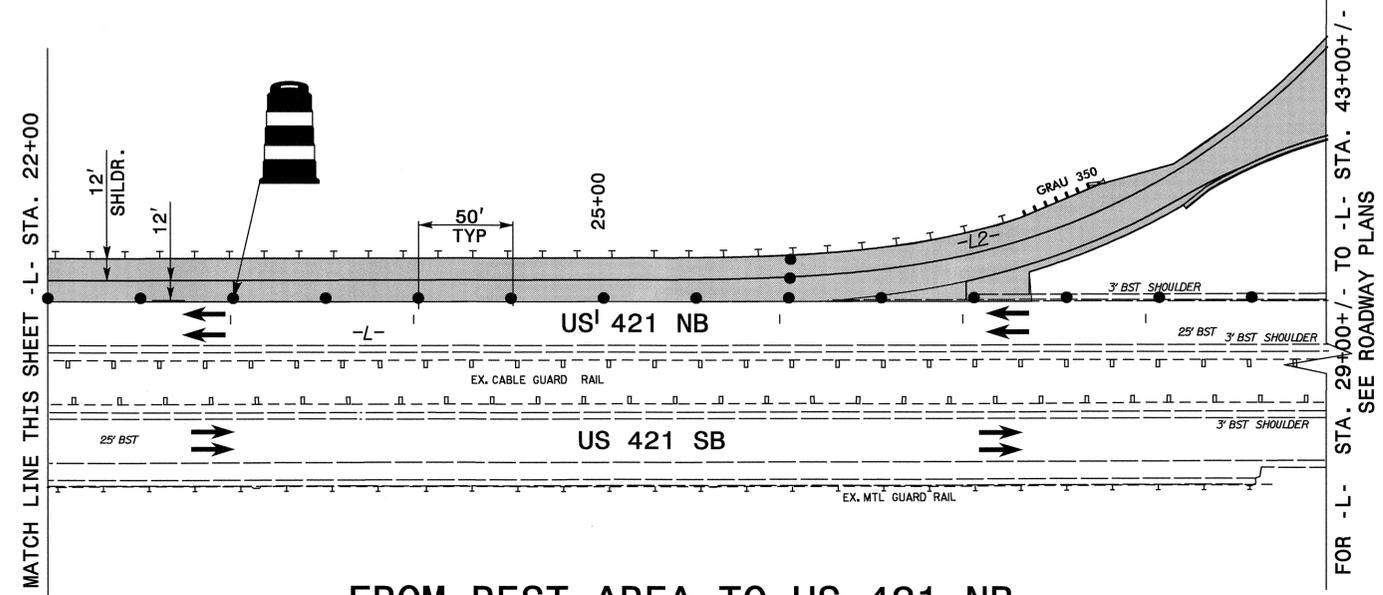
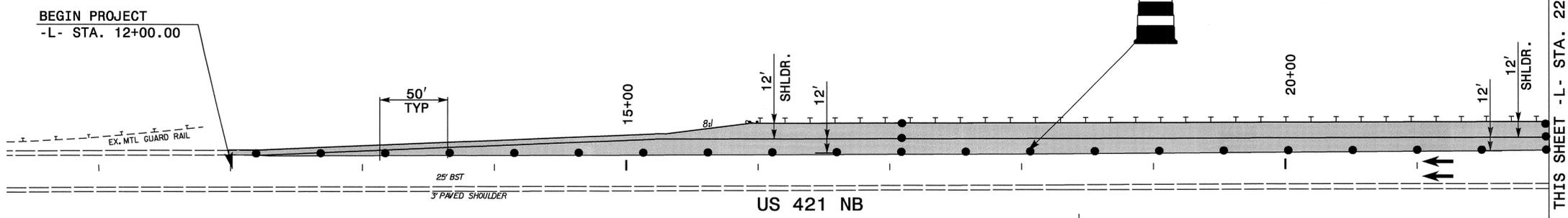
- STEP 1: -INSTALL ADVANCED WORK ZONE WARNING SIGNS ON US 421 NB AS REQUIRED IN GENERAL NOTES AND SHOWN ON TCP-5. DO NOT REMOVE ADVANCED WORK ZONE WARNING SIGNS UNTIL STEP 6.
- STEP 2: -USING RSD 1101.02, SHEET 3 OF 9, CONSTRUCT PROPOSED -L2- UP TO EDGE AND ELEVATION OF EXISTING LANES. AT THE END OF EACH WORK DAY RETURN TRAFFIC TO THE EXISTING TRAFFIC PATTERN. SEE TCP-4 AND ROADWAY PLANS.

-AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE PROPOSED REST AREA/ VISITOR CENTER. SEE ROADWAY PLANS.
- STEP 3: -PLACE DRUMS AND TYPE III BARRICADES WITH "ROAD CLOSED" SIGNS (R11-2) TO KEEP ENTRANCE RAMP CLOSED TO TRAFFIC. SEE TCP-4 AND ROADWAY PLANS.
- STEP 4: -AWAY FROM TRAFFIC, COMPLETE THE PROPOSED REST AREA/VISITOR CENTER INCLUDING INSTALLATION OF PAVEMENT MARKINGS (THERMOPLASTIC AND POLYUREA). SEE PM-2 AND ROADWAY PLANS.
- STEP 5: -USING RSD 1101.02, SHEET 3 OF 9, PLACE FINAL PAVEMENT MARKINGS (POLYUREA) AND PAVEMENT MARKERS (SNOWPLOWABLE) ON US 421 NB. SEE PM-1.
- STEP 6: -REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN REST AREA/VISITOR CENTER TO TRAFFIC.

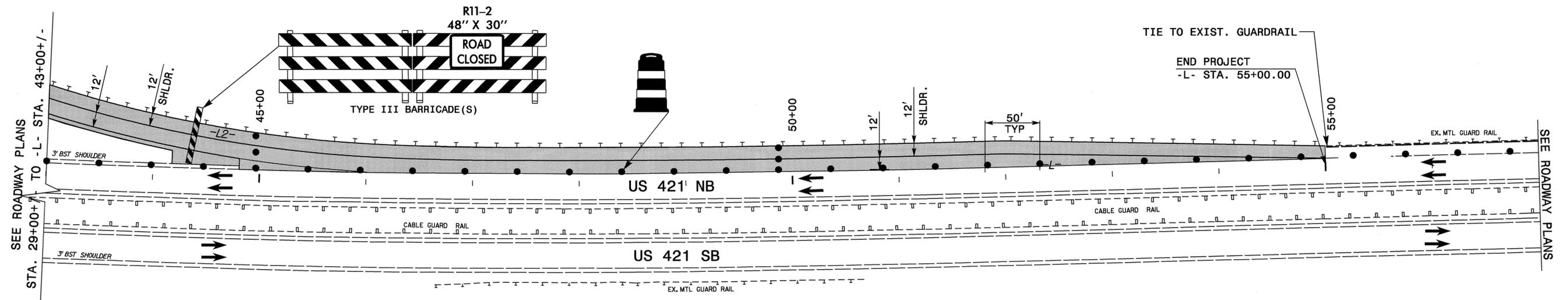
SYMBOL	DESCRIPTION	PAY ITEM/ QUANTITY BREAKDOWN	TOTAL QUANTITY	
PAVEMENT MARKING LINES US 421 NORTHBOUND				
POLYUREA (6" Standard Glass Beads)				
V6	WHITE EDGELINE	3282 LF		
V7	YELLOW EDGELINE	559 LF		
VJ	10 LF WHITE SKIP	308 LF		
VK	2 LF WHITE MINI SKIP	190 LF	TOTAL	4339 LF
POLYUREA (12" Standard Glass Beads)				
VY	WHITE GORE LINE	672 LF	TOTAL	672 LF
POLYUREA PAVEMENT MARKING SYMBOLS (Standard Glass Beads)				
WC	STRAIGHT ARROW	3 EA	TOTAL	3 EA
PAVEMENT MARKERS (SNOWPLOWABLE RAISED)				
MF	CRYSTAL & RED	91 EA	TOTAL	91 EA
REST AREA / PARKING				
THERMOPLASTIC (24", 120 MILS)				
T2	WHITE STOP BAR	18 LF		
T3	WHITE CROSSWALK LINE	200 LF	TOTAL	218 LF
THERMOPLASTIC (8", 90 MILS)				
TP	WHITE GORE LINE	125 LF		
TQ	WHITE DIAGONAL	2218 LF	TOTAL	2343 LF
THERMOPLASTIC (4", 90 MILS)				
TA	WHITE EDGELINE	3911 LF	TOTAL	3911 LF
PAVEMENT MARKING SYMBOLS (90 MILS)				
UH	HANDICAP PARKING	3 EA		
UB	RIGHT TURN ARROW	3 EA		
UD	COMBO. STRAIGHT/LEFT	3 EA	TOTAL	9 EA

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APPROVED: _____	DATE: _____	PHASING AND FINAL PAVEMENT MARKING SCHEDULE							
	SCALE: NONE								
	DATE: 05/07								
	DWG. BY: EKG								
	DESIGN BY: EKG								
REVIEWED BY: JLP		<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		REVISIONS					
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FROM REST AREA TO US 421 NB
-L- STA. 29+00+/- TO -L- STA. 12+00+/-



FROM US 421 NB TO REST AREA
-L- STA. 55+00+/- TO -L- STA. 43+00+/-

SEE RSD 1101.02 SHEET 3 OF 9 FOR REQUIRED SIGNS, NOTES AND PLACEMENT.

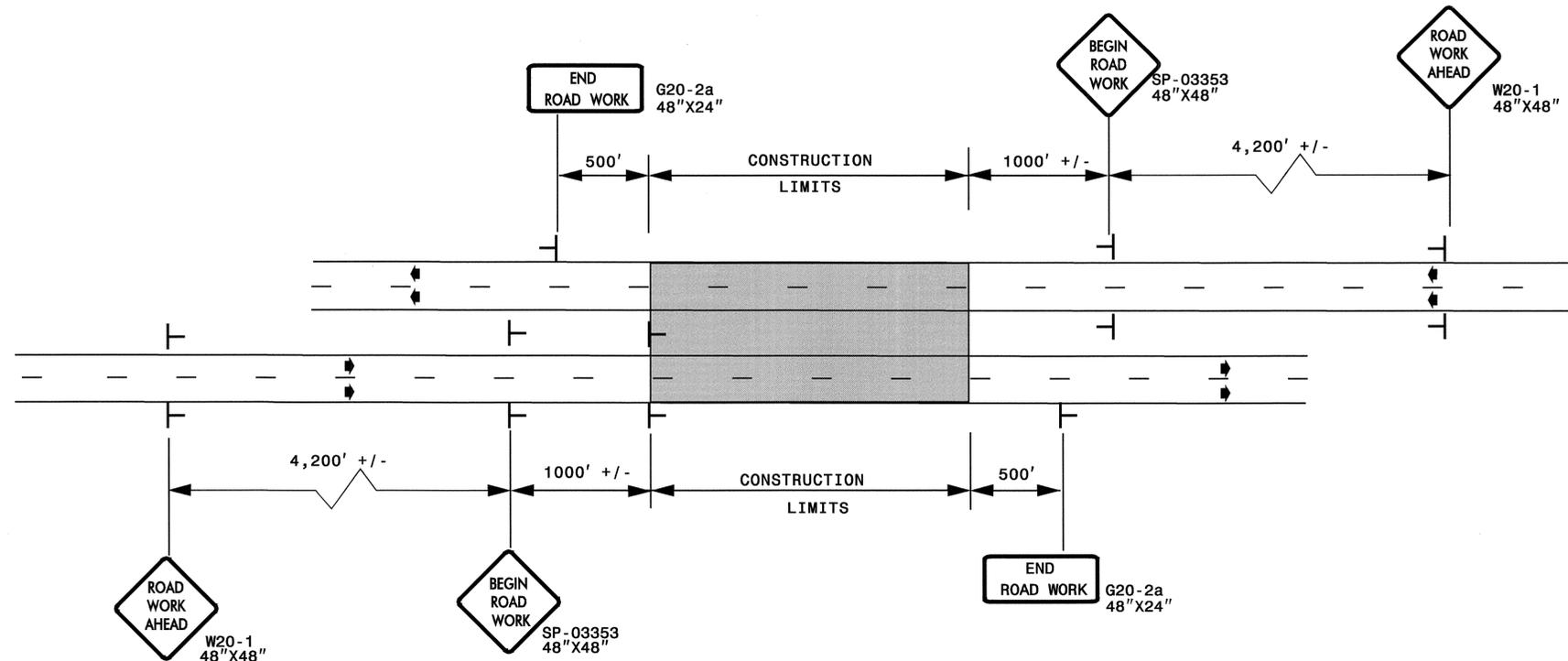
APPROVED: _____	DATE: _____	DETAIL 1 -L- STA. 12+00 TO -L- STA. 55+00	
SCALE: NONE	DATE: 05/07		
DWG. BY: EKG	DESIGN BY: EKG		
REVIEWED BY: JLP	REVISIONS		

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 AT WZTC224164
 ekggroundwater

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

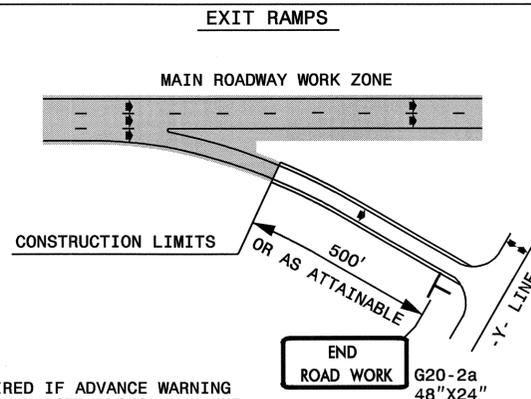
PROJ. REFERENCE NO. K-4703	SHEET NO. TCP-5
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DETAIL A



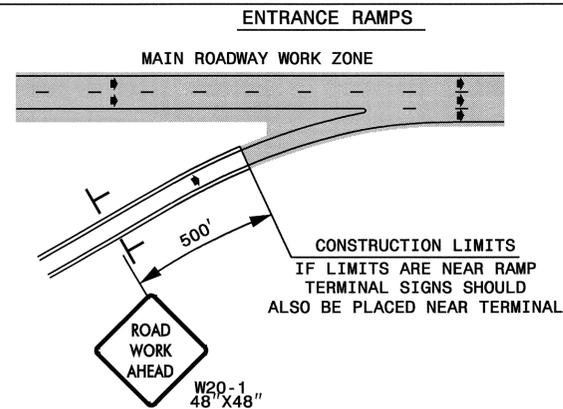
LEGEND	
	STATIONARY SIGN
▶	DIRECTION OF TRAFFIC FLOW

DETAIL B

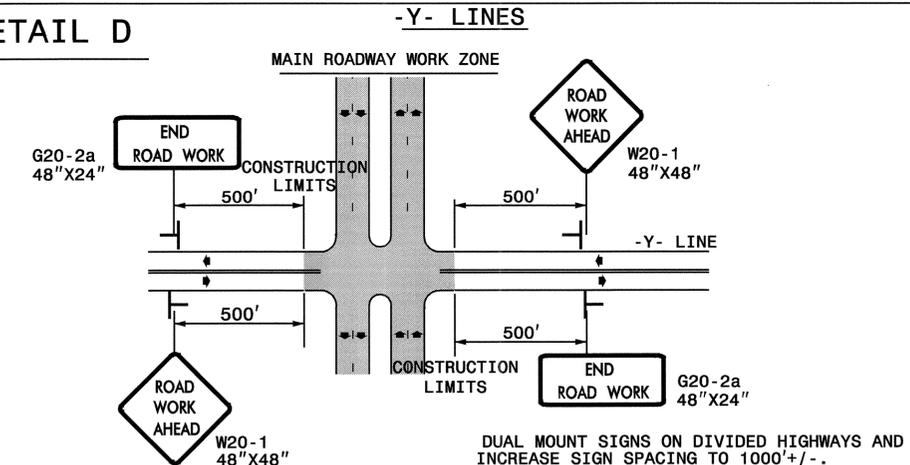


NOTE: SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



DETAIL D



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.
- 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)	
	SCALE: NONE		REVISIONS
	DATE: 5/07		03/04
	DESIGN BY: JI		
	REVIEWED BY: JLP		
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