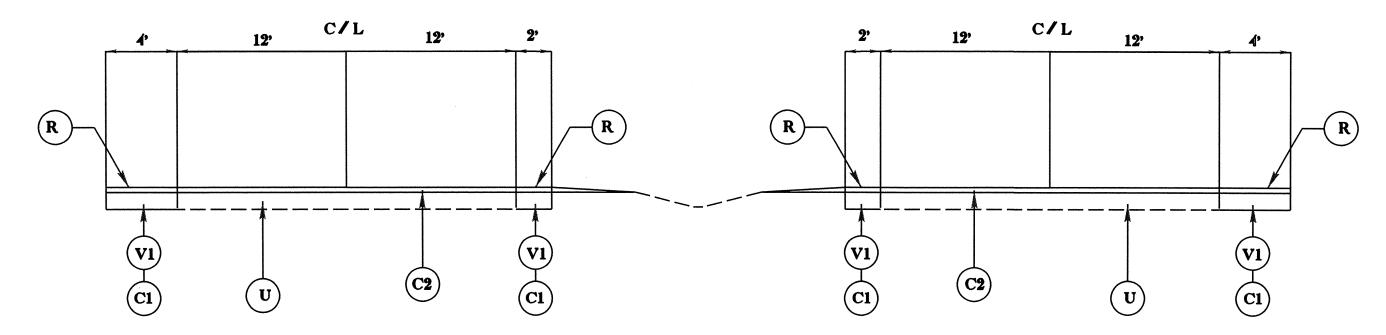
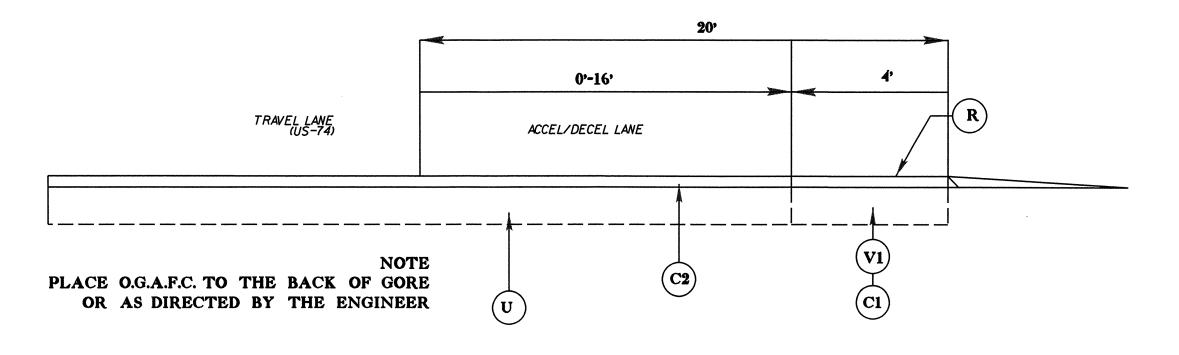


PROJECT REF	PROJECT REFERENCE NO. 14CR.10751.3								
14CR.10									
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION							
14CR.10751.3									
14CR,20751.10									

TYPICAL 1

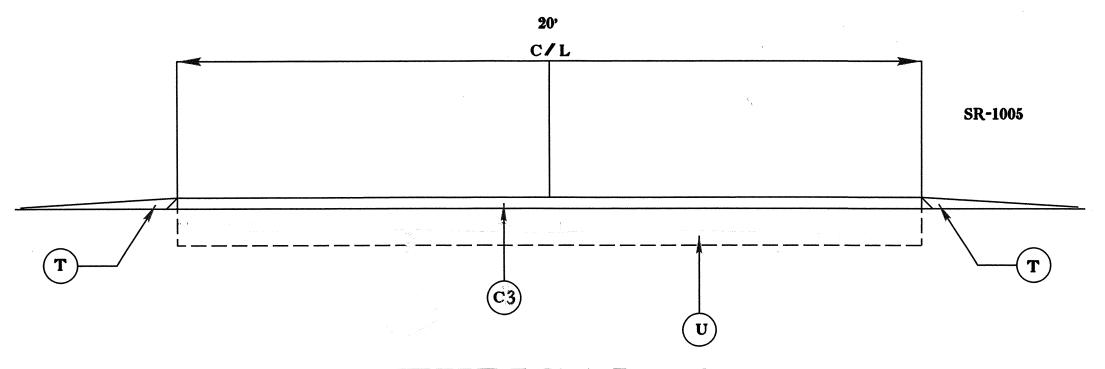


TYPICAL 2

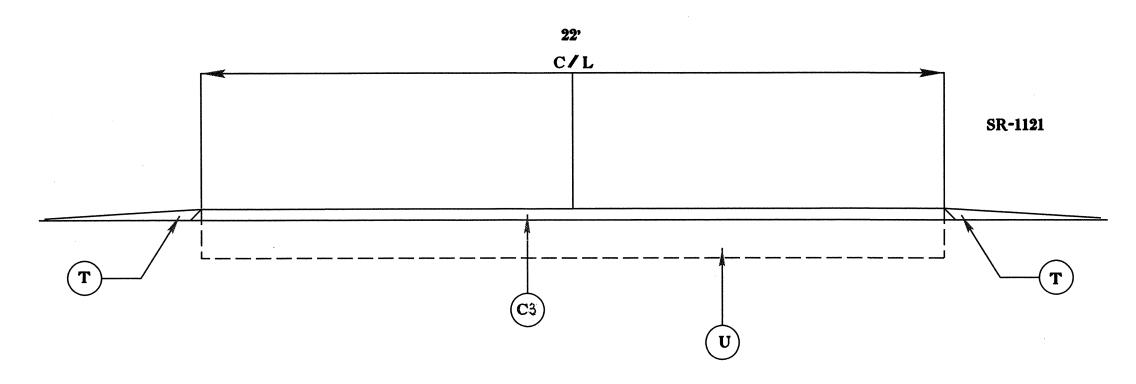


14CR.10	751.3	SHEET NO.		
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION		
14CR.10751.3				
14CR.20751.10				

TYPICAL 3

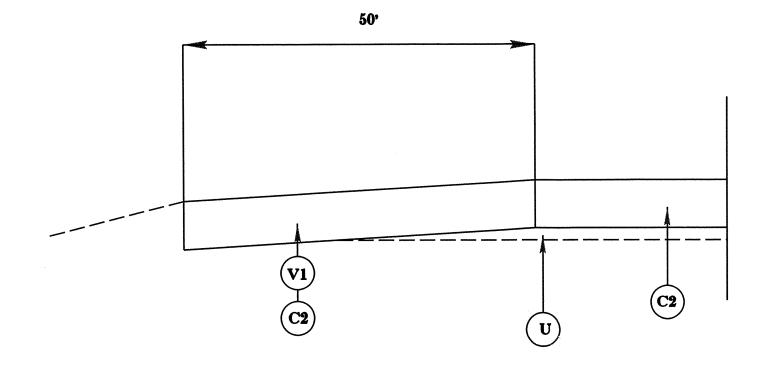


TYPICAL 4



14CR.10	751.3	
	70.110	3
TATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
14CR.10751.3		
14CR.20751.10		
	14CR.10751.3	14CR.10751.3

DETAIL TO TIE TO EXISTING ASPHALT



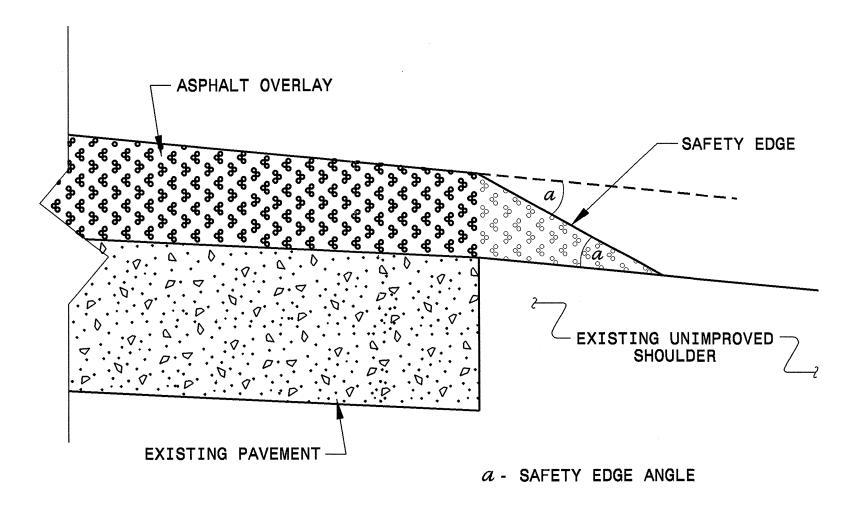
\$\$\$\$\$\$\$\$YST[ME\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$DGN\$\$\$: \$\$\$\$!ISFRNAMF\$\$\$\$

PROJECT RE	SHEET NO.	
14CR.10	0751.3	6-√.
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
14CR.10751.3		
14CR.20751.10		

SURFACING SCHEDULE

ITEM	DESCRIPTION
C1	ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD (1 /2").
C2	PROPOSED ASPHALT CONCRETE SURFACE COURSE, TYPE O.G.F.C.–FC1, AT AN AVERAGE RATE OF 70 LBS PER SQ. YD. (5 /8")
C 3	ASPHALT CONCRETE SURFACE COURSE, TYPE \$9.5B, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD. (1 1/2")
V1	MILLING ASPHALT PAVEMENT 1/2" IN DEPTH ON THE SHOULDERS AS DIRECTED BY PROJECT ENGINEER
R	MILLED RUMBLE STRIPS
Т	SHOULDER RECONSTRUCTION WITH ABCM-SEE SPECIAL PROVISIONS
U)	EXISTING PAVEMENT

PROJECT REFERENCE NO. SHEET NO.



SAFETY EDGE DETAIL

CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-250-4128 FAX 919-250-4119

> SAFETY EDGE DETAIL

ORIGINAL BY: T.SPELL DATE: 7-18-11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC: s:uer/dstalls/stend/serftysgedstall.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
14CR.10751.3, 14CR.20751.10	8	

SUMMARY OF QUANTITIES

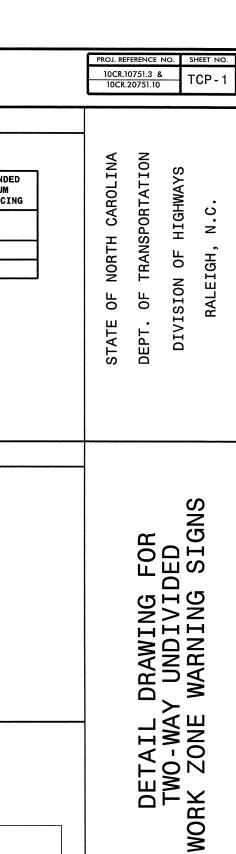
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	ТҮР	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	SHOULDER RECONSTRUC TION	1/2" MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A LEVELING COURSE	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OGAFC, TYPE FC-1 MOD	MILLED RUMBLE STRIPS
NO		NO			NO		MI	FT	SMI	SY	TONS	TONS	TONS	TONS	TONS	TONS	LF
				FROM NC108 TO RUTHERFORD													
14CR.10751.3	Polk	1	US 74 EAST	COUNTY LINE	1	NO	10.41	30		36,643.0			1,019	69	430	7,053	109,930
				FROM NC108 TO RUTHERFORD													
		2	US 74 WEST	COUNTY LINE	1	NO	10.41	30		36,643.0			1,019	69	430	7,053	109,930
	,			ON RAMP FROM NC108 TO US 74													
		3	US 74 RAMP 1	EAST	2	NO	0.23	20		360.0			10	1	7	107	
		4	US 74 RAMP 2	EXIT RAMP TO NC 9 EAST	2	NO	0.1	20		230.0			5		4	60	
		5	US 74 RAMP 3	EXIT RAMP TO NC 108 WEST	2	NO	0.1	20		230.0			5		4	60	
		6	US 74 RAMP 4	ON RAMP FROM NC 9 EAST	2	NO	0.25	20		260.0			10	1	8	123	
		7	US 74 RAMP 5	ON RAMP FROM NC 9 WEST	2	NO	0.22	20		260.0			13	1	7	107	
		8	US 74 RAMP 6	EXIT RAMP TO SR1326 EAST	2	NO	0.1	20		130.0			5		4	60	
		9	US 74 RAMP 7	EXIT RAMP TO NC 9 WEST	2	NO	0.15	20		220.0			8	1	6	94	
				ON RAMP TO US 74 FROM SR 1326													
		10	US 74 RAMP 8	EAST	2	NO	0.24	20		220.0			9	1	7	107	
				EXIT RAMP FROM WEST US 74 TO SR													
		11	US 74 RAMP 9	1326 WEST	2	NO	0.21	20		246.0			12	1	6	100	
				ON RAMP TO WEST US 74 FROM SR													
		12	US 74 RAMP 10	1326 WEST	2	NO	0.24	20		241.0			13	1	7	107	
TOTAL F	OR PROJ N	O. 14CF	R.10751.3				22.66			75,683.0	<u> </u>		2,128	145	920	15,031	219,860
	·			y s							T	T			T		
				FROM SR 1326 TO SR 1302 AT													
14CR.20751.10	Polk	13	SR-1005	RUTHERFORD CO. LINE	3	NO	2.1	20	4.20		2,193	913		193			
				FROM CHANGE OF PAVEMENT AT NC													
	<u></u>	14	SR 1121	108 TO US 176	4	NO	0.75	22	1.50		869			52	ļ		
TOTAL FO	OR PROJ NO). 14CR	.20751.10	<u> </u>	<u> </u>		2.85	<u> </u>	5.70		3,062	913		245	<u> </u>		
	CDANC	FOTA		T	T	<u> </u>	35.54	T	T 570	75 602 6	2.062	913	2 120	700	920	15.021	210.000
L	GRAND	IUIAL	•	1	<u> </u>	l	25.51	L	5.70	75,683.0	3,062	913	2,128	390	for the ramps are in	15,031	219,860

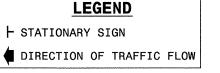
Note: Milled rumble s trips for the ramps are included in the US 74 quantitiy.

PROJECT NO.	SHEET NO.	TOTAL NO.
14CR.10751.3, 14CR.20751.10	9	

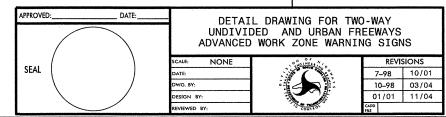
THERMOPLASTIC AND PAINT QUANTITIES

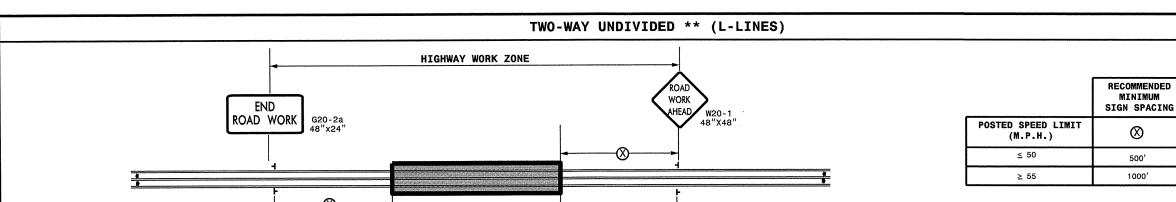
	T	T	I I		T I		4510000000-N	4400000000-E	4405000000-E	4415000000-N	4420000000-N	4430000000-N	4480000000-N	4516000000-N	4650000000-N	46850	00000-E	4697000000-E	4686000000-E	4725000000-E	4840000000-N	48100	00000-E	4820000000-E	4845000000-N	4905000000-N
PROJECT	COUNT	TY MAP	ROUTE	DESCRIPTION	LENGTH	WIDTH	LAW	STATIONARY	PORTABLE	FLASHING	CHANGE.	DRUMS	TMIA	SKINNY	TEMP RAISED	4" X 90 M	4" X 90 M	8" X 120 M	4" X 120 M	THERMO STR	PAINT PAV'T	4" WHITE	4" YELLOW	8" WHITE	PAINT STR	CRYSTAL &
						1 1	ENFORCEMEN	WORK ZONE	WORK ZONE	ARROW	MESSAGE			DRUMS	PAVEMENT	WHITE	YELLOW	WHITE	WHITE	ARROW 90 M	MARK.	PAINT	PAINT	PAINT	ARROW	RED SNOW
							т	SIGN	SIGN	PANELS, TYPE	BOARD				MARKERS	THERMO	THERMO	THERMO	THERMO		CHARATER					PLOWABLE
		1								c																MARKERS
		1																	į							
							HR	SF	SF	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA
NO		NO	ļ	FROM NC108 TO RUTHERFORD			пк	3F	ЭГ	EA	EA	EA	- CA	<u> </u>		Lr	<u> </u>	Lr	LF .	EA	EA	LF	Lr	LF	EA	EA
14CR.10751.3	B Polk	. 1	US 74 EAST	COUNTY LINE	10.41	30	60	192	1,026	1	2.0	50	1.0	300.0	2,110.0	57,047	54,965	4,164	13,741	23		169,058	110,971	8,328	46	765
14CR.10751.5	POIK	+ +	US 74 EAST	FROM NC108 TO RUTHERFORD	10.41	30	- 60	132	1,020	*	2.0	30	1.0	300.0	2,110.0	37,047	34,505	4,104	15,741	23		105,058	110,371	8,328	40	703
		2	US 74 WEST	COUNTY LINE	10.41	30	60	192	1,026	1	2.0	50	1.0	300.0	2,110.0	57,047	54,965	4,164	13,741	22		169,058	110,971	8,328	44	765
<u> </u>	_	- -	US 74 WEST	ON RAMP FROM NC108 TO US 74	10.41	30	60	192	1,020		2.0	30	1.0	300.0	2,110.0	37,047	34,303	4,104	13,741	- 22		109,038	110,571	8,328	44	763
		3	US 74 RAMP 1	EAST	0.23	20																				
			US 74 RAMP 2	EXIT RAMP TO NC 9 EAST	0.23	20											<u> </u>									
	+	5		EXIT RAMP TO NC 108 WEST	0.1												 									
-	+		US 74 RAMP 4	ON RAMP FROM NC 9 EAST	0.25												1		l	†						
		7		ON RAMP FROM NC 9 WEST	0.22										 											
			US 74 RAMP 6	EXIT RAMP TO SR1326 EAST	0.1	20																				
			US 74 RAMP 7	EXIT RAMP TO NC 9 WEST	0.15										1		 									
		1 3	US /4 KAIVIF /	ON RAMP TO US 74 FROM SR 1326	0.13	20			****						1									 		
		10	US 74 RAMP 8	EAST	0.24	20									1											
		10		EXIT RAMP FROM WEST US 74 TO SR	4	20									1		 									
		11	1	1326 WEST	0.21	20																				
	+		037411/4111 3	ON RAMP TO WEST US 74 FROM SR	0.21	1 20									1		<u> </u>									
		12	US 74 RAMP 10	1326 WEST	0.24	20																				
<u> </u>				1320 WEST	22.66	20	120	384	2,052	2	4	100	2	600	4,220	114,094	109,930	8,328	27,482	45		338,116	221,942	16,656	90	1,530
TOTAL	. FOR PRO	J NO. 140	CR.10751.3		1			30.				 			,		4.024		27,482				,058			
					J	1	L	L	<u> </u>	·	1	·L				*			<u> </u>	·				1		
	-T		1	FROM SR 1326 TO SR 1302 AT	T	T						T	T		T		T		T				<u> </u>			
14CR.20751.1	.0 Polk	. 13	SR-1005	RUTHERFORD CO. LINE	2.1	20																45,192	38,252			
240112070212	1	` 		FROM CHANGE OF PAVEMENT AT NO		1																				
		14	SR 1121	108 TO US 176	0.75	22															24	16,140	16,140			
			, I,,		2.85																24	61,332	54,392			
TOTAL	FOR PRO	J NO. 140	R.20751.10		1							1										115	,724			
							1																	-		
	CD.1.1	ID TOTAL			25.51		120	384	2,052	2	4	100	2	600	4,220	114,094	109,930	8,328	27,482	45	24	399,448	276,334	16,656	90	1,530
	GKAN	ND TOTAL	•		1											224	4,024		27,482			675	,782			





SHEET 1 OF 1



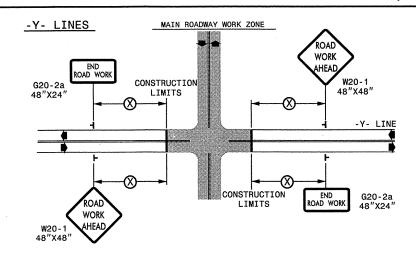


-CONSTRUCTION LIMITS-

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

ROAD WORK

G20-2a



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.

WORK

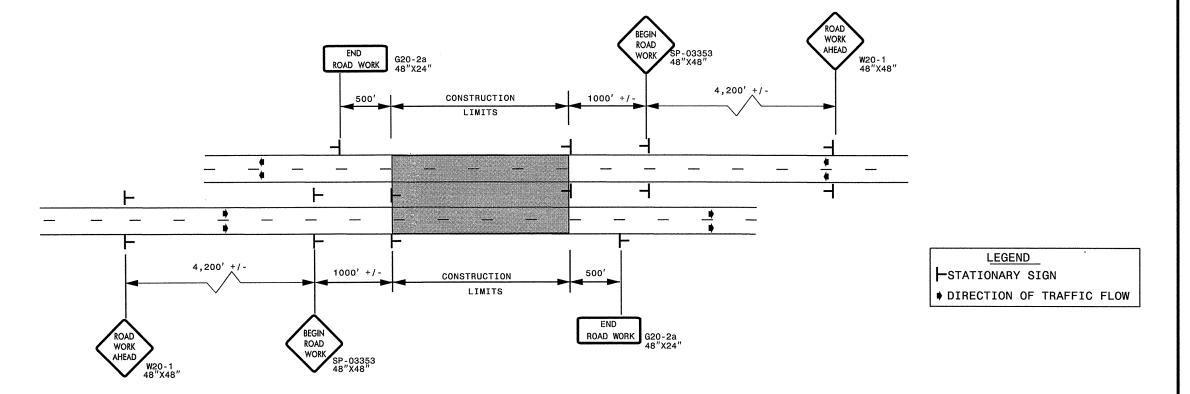
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS 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.
- ** 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.

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

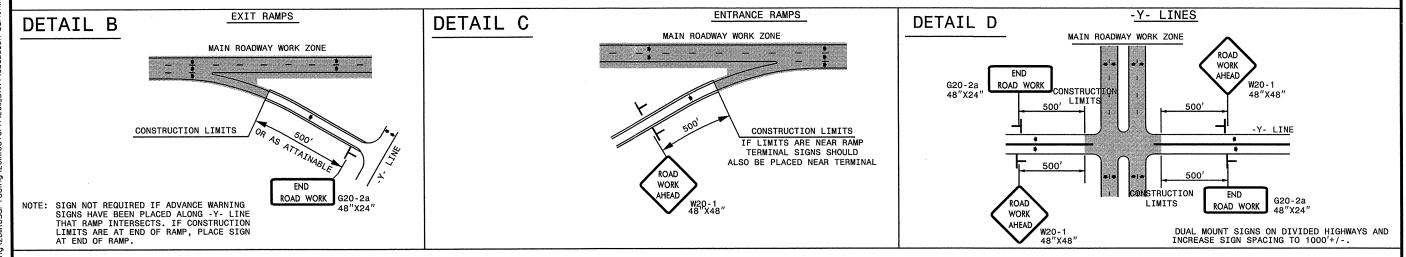
PROJ. REFERENCE NO. SHEET NO.

10CR.10751.3 & TCP-2

DETAIL A

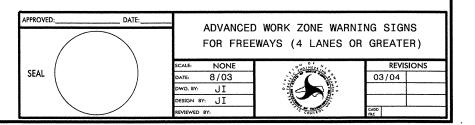


* USE THE "\$250 SPEEDING PENALTY" SIGN, SPEED LIMIT SIGN, AND ORANGE PANEL; ONLY WHEN A "\$250 SPEEDING PENALTY" ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.



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.



GENERAL NOTES

- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS: A. TRUCK MOUNTED SIGNS
 - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 - C. GROUND MOUNTED ADVANCE WARNING SIGNS
 (MUST CIRCLE TO PICK UP SIGNS)
 - D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.
- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.

(1)(2)(3)(4)(8)

W26-1CSP 48" X 48"

- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.
- (13) INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e.
 "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE.
 SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE
 SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.
- (14) IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

LEGEND

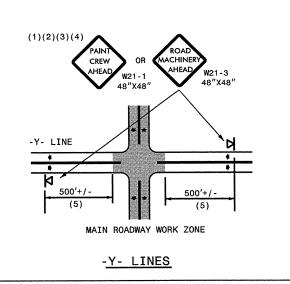
PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.

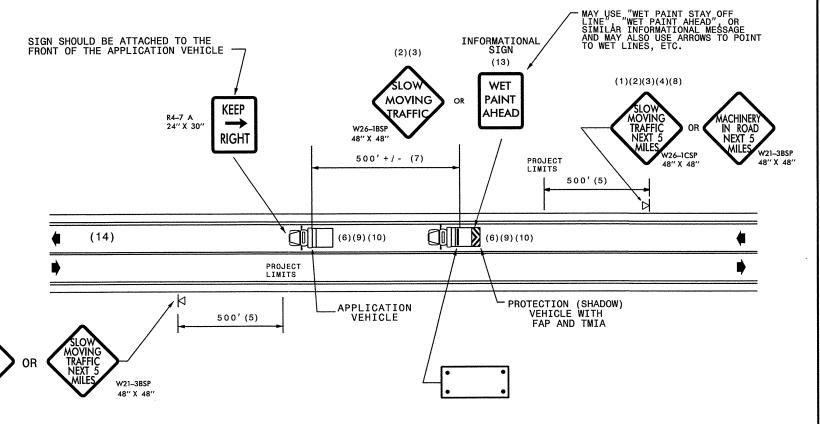
DIRECTION OF TRAFFIC FLOW

APPLICATION VEHICLE
WITH LIGHT BAR

PROTECTION VEHICLE WITH TRUCK
MOUNTED IMPACT ATTENUATOR (TMIA)
AND LIGHT BAR (SEE ROADWAY
STANDARD NO. 1165.01). TMIA MUST
BE NCHRP-350 TEST LEVEL 3 (60+MPH)
APPROVED.

FLASHING ARROW PANEL,
TYPE "B" (60"X30" MIN.),
"CAUTION MODE"





MOVING OPERATION CARAVAN

(OPERATIONS TRAVELING 3 MPH OR FASTER)
PLACING PAVEMENT MARKING OR MARKERS
ON TWO-LANE TWO-WAY ROADWAYS

DRAWING NUMBER 6
IMPLEMENTATION DATE: 07/01/97
REVISED: 11/03/04

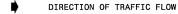
GENERAL NOTES

- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
 - A. TRUCK MOUNTED SIGNS
 - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 - C. GROUND MOUNTED ADVANCE WARNING SIGNS (MUST CIRCLE TO PICK UP SIGNS)
 - D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS) (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF FIVE (5) FEET FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.

- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.
- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.

LEGEND

PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.



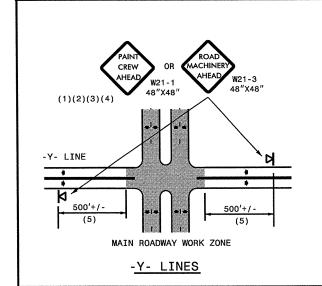
APPLICATION VEHICLE WITH LIGHT BAR

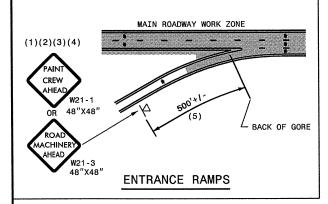
PROTECTION VEHICLE WITH TRUCK
MOUNTED IMPACT ATTENUATOR (TMIA)
AND LIGHT BAR (SEE ROADWAY
STANDARD NO. 1165.01). TMIA MUST
BE NCHRP-350 TEST LEVEL 3 (60+MPH)
APPROVED.

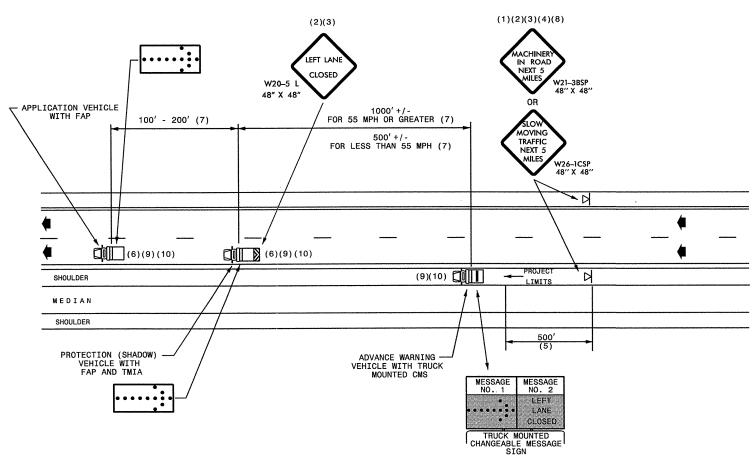
ADVANCE WARNING VEHICLE WITH TRUCK MOUNTED CHANGEBLE MESSAGE SIGN (CMS) AND LIGHT BAR. MESSAGE SIGN LETTER HEIGHT SHOULD BE A MINIMUM OF 10 INCHES.

FLASHING ARROW PANEL,
TYPE "B" (60"X30" MIN.),
APPROPRIATE DIRECTION INDICATED

CHANGEABLE MESSAGE SIGN







MOVING OPERATION CARAVAN

(OPERATIONS TRAVELING 3 MPH OR FASTER)
PLACING PAVEMENT MARKING OR MARKERS
ON NON-INTERSTATE MULTILANE DIVIDED ROADWAYS

DRAWING NUMBER 7
IMPLEMENTATION DATE: 07/01/97
REVISED: 11/03/04