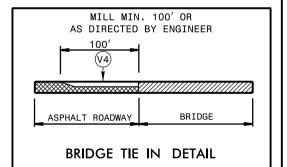


PAVEMENT AT BEGIN & END OF MAPS OR AS

DIRECTED BY THE ENGINEER

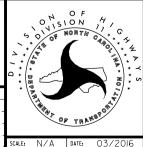


TIE ASPHALT OVERLAY TO BRIDGE APPROACH SLABS OR AS DIRECTED BY THE ENGINEER

### SURRY COUNTY PRIMARY ROADS ASPHALT RESURFACING

DIVISION II, DISTRICT I

N.C. DEPARTMENT of TRANSPORTATION DIVISION of HIGHWAYS DIVISION ELEVEN



PREPARED BY: S.B. DARNELL

REVIEWED BY: J.D. WOOD REVIEWED BY:

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.11.12.10861		

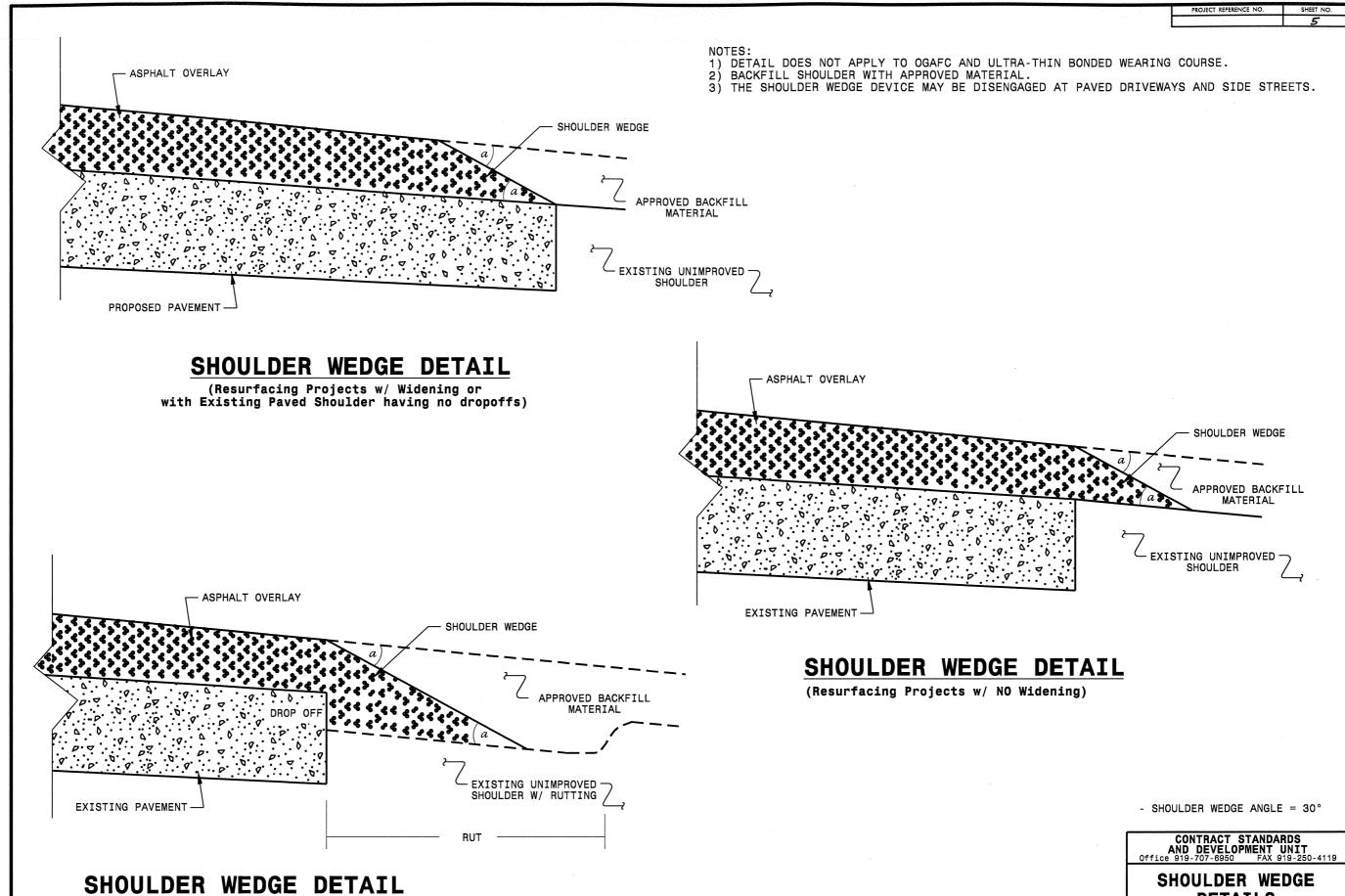
### SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES		FINAL SURFACE	WARIMIX ASPHALT	LENGTH	WDTH	BORROW EXCAVATION	SHOULDER RECONSTRUCTION	3" MILLING	1" MILLING	1½" MILLING	0" TO 1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE,			ASPHALT BINDER FOR	PATCHING EXISTING	SEED & MULCHING
								TESTING	REQUIRED			LACATATION	RECONSTRUCTION			TWILE IT O	IVALE II VO	MILLING	S9.5B	S9.5C			PAVEMENT	IND ZET III TO
NO		NO			NO			REQUIRED		M	FT	СУ	SM	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	AC
2017CPT.11.12.10861	Surry	1	US 601	FROM NC 268 TO US 601 BUS	1	2	2WU	NO	NO	3.35	22	657	6.70	6,128				168			4,114	276	150	1.51
2017CPT.11.12.10861	Surry	2	US 601	FROM US 601 BUS TO US 601 BUS	2	2	2WU	NO	NO	2.74	27	537	5.48		150		300	137	4,155			249	100	
2017CPT.11.12.10861	Surry	3	US 52 SBL	FROM CON. JOINT N. OF US 52 BUS TO SR 1638	3	2	MD	NO	NO	1.81	27	355	3.62							3,095		183	100	0.81
2017CPT.11.12.10861	Surry	4	NC 89	FROM SR 1618 TO SR 1397	3	2	MD	NO	NO	3.45	33	676	6.90			1,852	1,467	173		6,415		378	100	1.55
2017CPT.11.12.10861	Surry	5	NC 89	FROM SR 1397 TO END FOUR LANE	3	2	MD	NO	NO	2.02	33	396	4.04			1,852	1,833	101		3,953		233	100	0.91
TOTAL FOR PROJ NO	O. 2017CP	т.11.12	2.10861							13.37		2,621	26.74	6,128	150	3,704	3,600	579	4,155	13,463	4,114	1,319	550	4.78
			'				•	•		ı				•					-			•		
GRAN	NDTOTAL									13.37		2,621	26.74	6,128	150	3,704	3,600	579	4,155	13,463	4,114	1,319	550	4.78

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.11.12.10861		

### THERMOPLASTIC AND PAINT QUANTITIES

								4413000000-E	4457000000-N	481000	00000-E	48150	00000-E	4820000000-E	4835000000-E	48400	00000-N			4845000000-N			4905000000-N		
PROJECT	С	COUNTY	MAP	ROUTE	DESCRIPTION	TYP L	ANES L	ANE I	LENGTH WIDTI	H WORK ZONE	TEMPORARY	4" WHITE	4" YELLOW	6" WHITE	6" YELLOW	8" WHITE	24" WHITE	PAINT MSG	PAINT MSG	PAINT STR & RT	PAINT LT	PAINT RT	PAINT STR	PAINT STR & LT	SNOW
							1	YPE		ADVANCE/GENERAL	TRAFFIC	PAINT	PAINT	PAINT	PAINT	PAINT	PAINT	STOP	AHEAD	ARROW	ARROW	ARROW	ARROW	ARROW	PLOWABLE
										WARNING SIGNING	CONTROL														MARKERS
NO			NO			NO				SF	LS	IF.	LF	1F	1F	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA
																-									
		_	_			.	_											_							
2017CPT.11.12.10	0861	Surry	1	US 601	FROM NC 268 TO US 601 BUS	1	2 2	WU	3.35 22	72	1	72,092	72,092				400	8	10	12	12				221
2017CPT.11.12.10	861	Surry	2	US 601	FROM US 601 BUS TO US 601 BUS	2	2 2	wu	2.74 27	72	*	58,965	58,965			1,880	500								181
2017CPT.11.12.10	10.01	C	2	US 52 SBL	FROM CON. JOINT N. OF US 52 BUS TO SR 1638	2	2	MD	1.81 27	72	*			38,951	38,951		500			2	26	14	18	,	119
2017CP1.11.12.10	1901	Surry	3	U3 32 3BL	FROM CON. JOINT N. OF 03 32 B03 TO 3R 1038	3	2	טועו	1.61 27	72				36,931	36,931		300			2	20	14	16	2	119
2017CPT.11.12.10	861	Surry	4	NC 89	FROM SR 1618 TO SR 1397	3	2	MD	3.45 33	72	*	74,244	74,244								36	4	44		228
2017CPT.11.12.10	1861	Surry	5	NC 89	FROM SR 1397 TO END FOUR LANE	2	2	MD	2.02 33	72	*	21,520	21,520								14	24	46		133
2017CF1.11.12.10	7001	July	,	INC 03	TROWISK 1337 TO END FOOK LANE	,	2	IVID	2.02 33	12		21,320	21,320		+						14	24	40		133
TOTAL FOR PR	OJ NO. 2	2017CPT	.11.12.1	10861					13.37	360	1	226,821	226,821	38,951	38,951	1,880	1,400	8	10	14	88	42	108	2	882
												453	3,642	77	,902				18			254			
								•		•			•			•	•	•							
						<del></del>	-			1	1	ı	1	1	1	ı	1	1	1	1		1	1	ı	
	GRAND	ΤΩΤΑΙ							13.37	360	1	226,821	226,821	38,951	38,951	1,880	1,400	8	10	14	88	42	108	2	882
	CIVAIND	, IOIAL																							
												453	3,642	77	,902				18			254			
									l l		1	433	,,,,,,,		,502	L		1		I		2,77			L

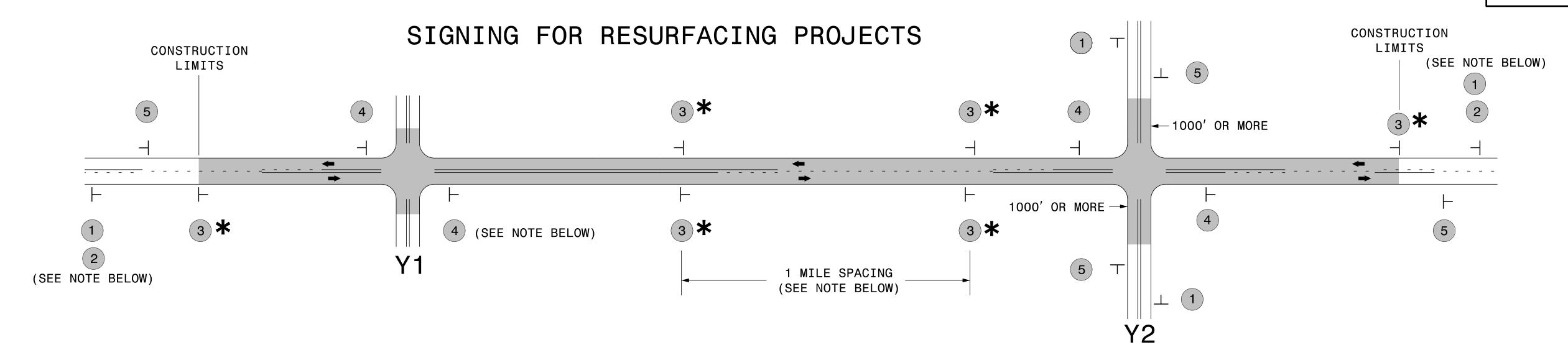


**DETAILS** 

ORIGINAL BY: MODIFIED BY:

(Resurfacing Adjacent to Rutted Shoulder)

PROJ. REFERENCE NO. SHEET NO.



LEGEND

├─ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

AHEAD W20-1

**ROAD** 

UNDER

ROAD WORK

G20–2 A 48" X 24"

## MAINLINE (-L-) SIGNING

# -Y- LINE SIGNING

# SIGNING NOTES AND CEMENT PER DIRECTION

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

W7-3aP #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH.

XX MILES 24" X 18" ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

\* PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.

THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT SP 13106 A8" X 48" INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

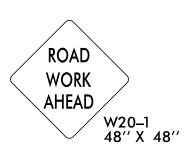
PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

# NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

-Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

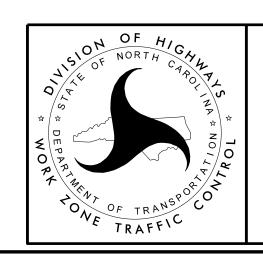




PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

# \* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

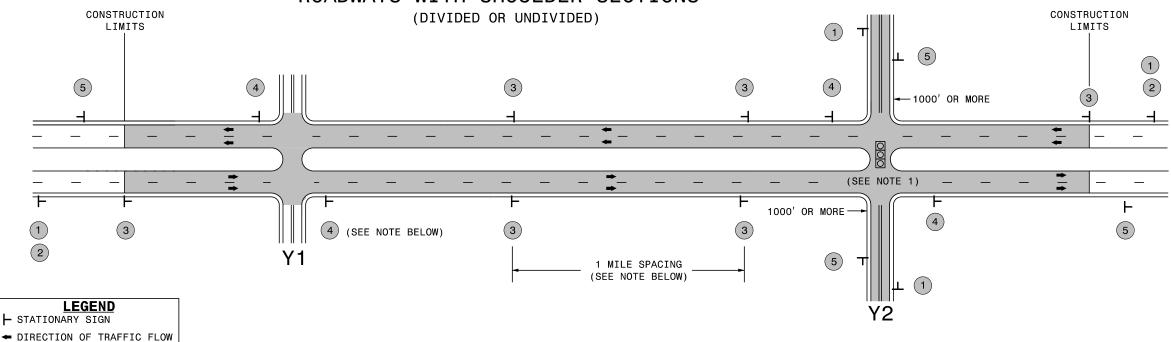
SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS: STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

S:/|MU\WZ|C\Apps\WorkZoneGenerd|\Ext User:rmaarrett

### SIGNING FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS WITH SHOULDER SECTIONS



### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

### PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ROAD ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. WORK NOTES AND PER DIRECTION AHEAD W20-1 #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS) PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART LOWSOFT (3) THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE SHOULDER CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER. SIGNING PLACEMENT P THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM ROAD` EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT UNDER ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS. ROAD WORK G20-2 A 48" X 24"

### NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.





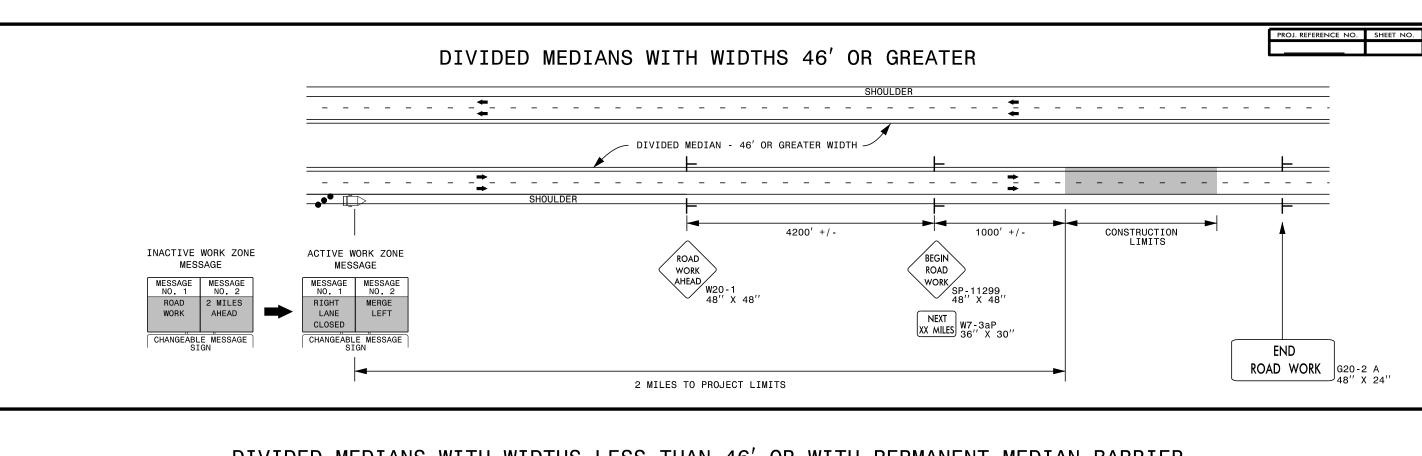
PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER

### NOTES:

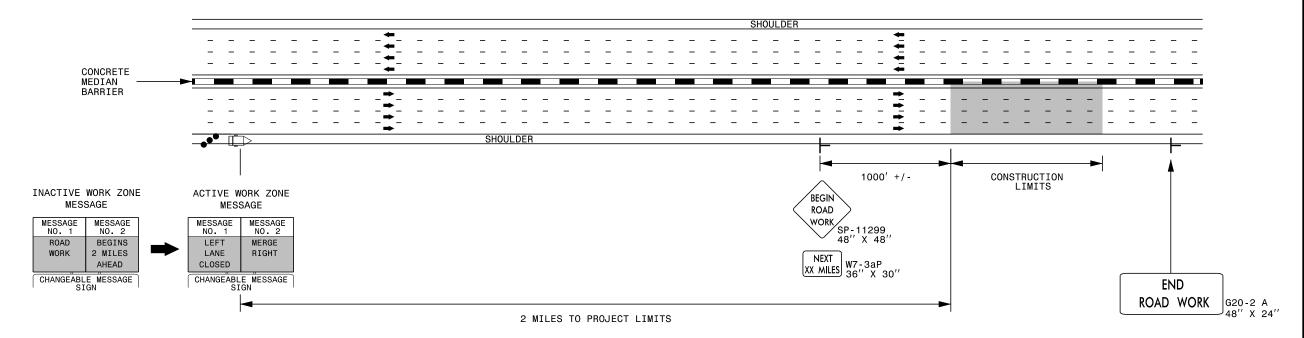
1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.



RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS W/ SHOULDER SECTIONS (DIVIDED OR UNDIVIDED)



### DIVIDED MEDIANS WITH WIDTHS LESS THAN 46' OR WITH PERMANENT MEDIAN BARRIER



### NOTES:

- 1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6' AS MEASURED FROM THE EDGE OF PAVEMENT.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) FOR MEDIAN WIDTHS LESS THAN 46' (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
- 4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 5) INSTALL "ROAD WORK AHEAD" (W20-1) ALONG ENTRANCE RAMPS 500' PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMPS WITHIN THE WORK ZONE.
- 6) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER AND WITH DIVIDED MEDIANS OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.



RESURFACING ADVANCE WARNING SIGNS FOR HIGH SPEED FACILITIES ≥ 60 MPH

LEGEND

DIRECTION OF TRAFFIC

CHANGEABLE MESSAGE

- STATIONARY SIGN

TRAFFIC DRUM