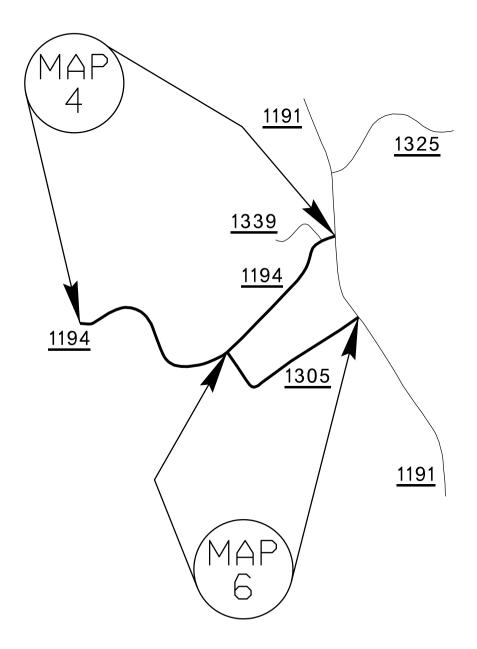
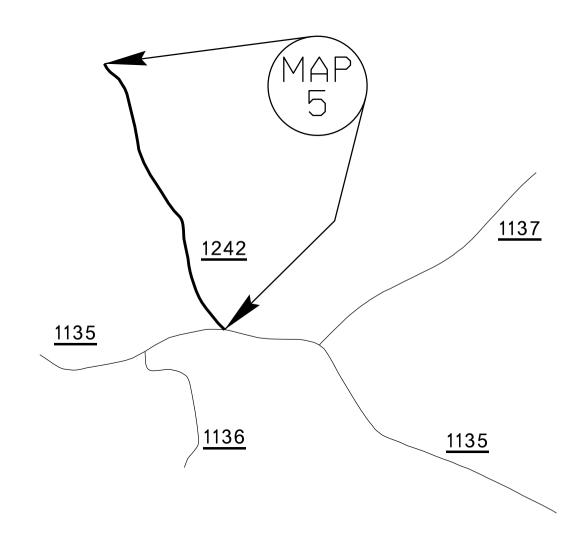


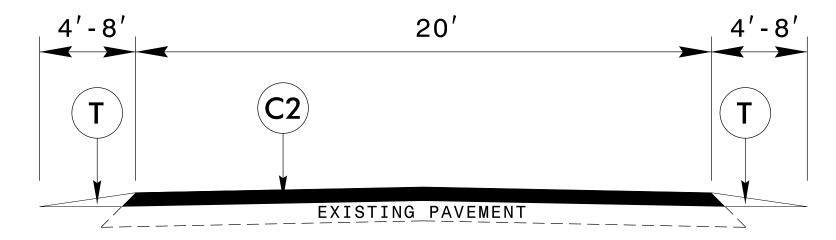
PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.04.20591	2	11



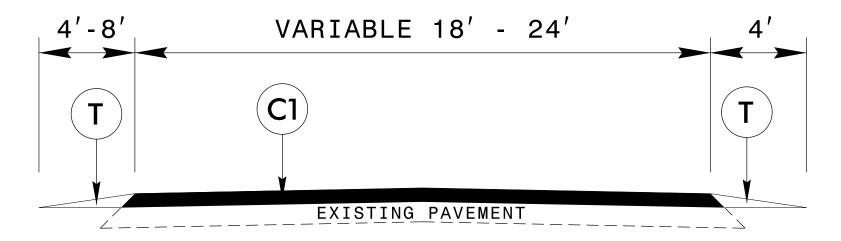


MCDOWELL COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.04.20591	3	11



TYPICAL SECTION #1



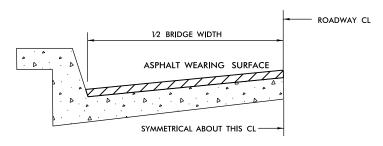
TYPICAL SECTION #2

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
Т	SHOULDER RECONSTRUCTION
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT, 1-1/2" DEPTH

2.011

 PROJECT NO.
 SHEET NO.
 TOTAL SHEETS

 2022CPT.13.04.20591
 4
 11



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.

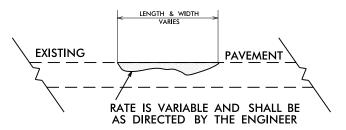
NOTES

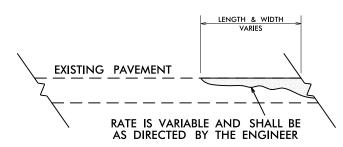
ALL UNPAYED ROADS TO BE RESURFACED 50' FROM EDGE OF PAYEMENT OF MAIN PROJECT. ALL PAYED S. R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.

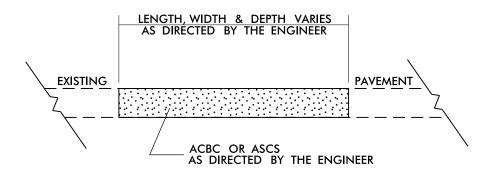
SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.

BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



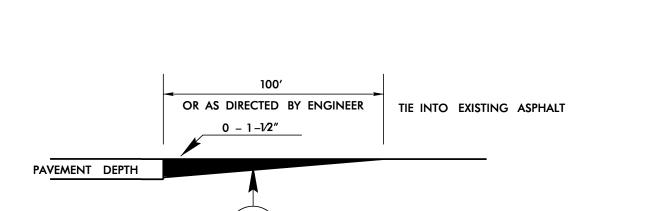


DETAIL SHOWING METHOD OF WEDGING



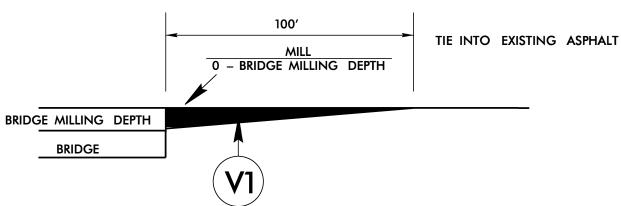
PATCHING EXISTING PAVEMENT

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2022CPT.13.04.20591	5	11



DETAIL TO TIE INTO EXIST PAVEMENT

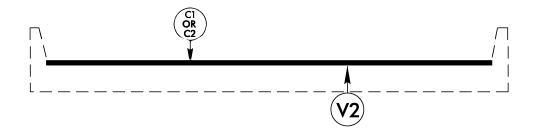
THE CONTRACTOR'S ATTENTION IS DIRECTED TO
THE FACT THAT HE WILL BE REQUIRED TO MILL
THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER
TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END
AND Y LINES OF EACH MAP TO BE RESURFACED WITH
ASPHALT CONC SURFACE COURSE, TYPE \$9.5C.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



MILLING DETAIL AT BRIDGE APPROACHES

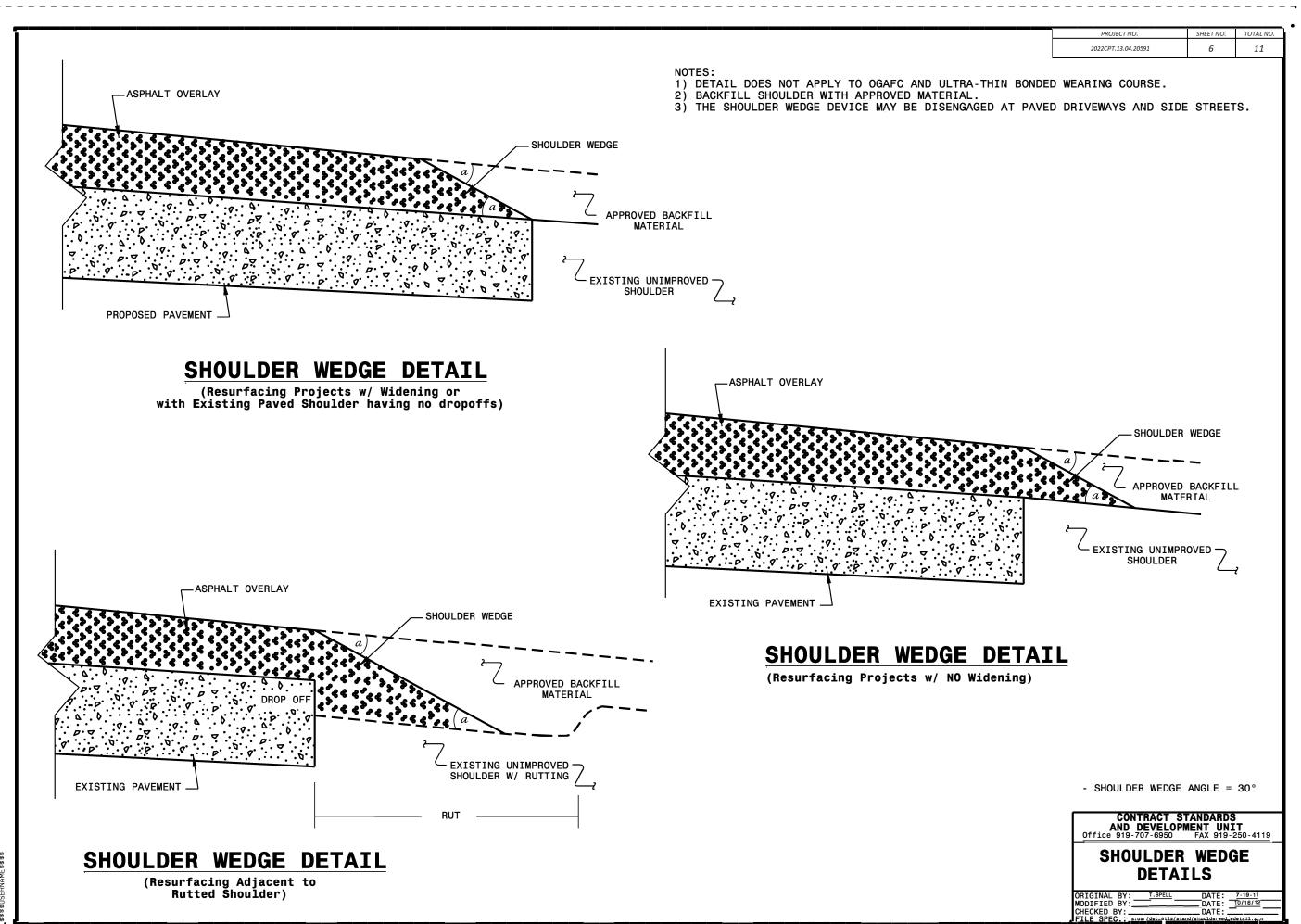
WHERE BRIDGES WILL BE MILLED THEN RESURFACED. THIS WILL BE PAID FOR AS INCIDENTAL MILLING. USE AT BRIDGE NUMBER: 247 AND MAP 1, 95 MAP 2, AND 106 AND 121 MAP 3.

BRIDGE



BRIDGE DETAIL

BRIDGE NUMBER 247 MAP 1, 95 MAP 2, AND 106 AND 121 MAP 3. MILL 1–1/2" OFF EXISTING PAVEMENT SEE MAP FOR BRIDGE LOCATION.



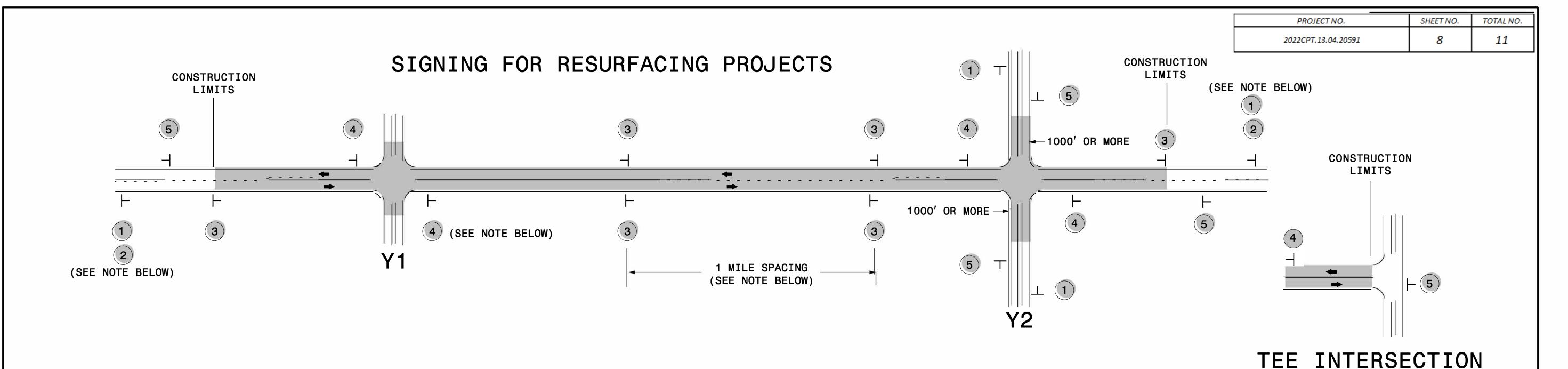
PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.04.20591	7	11

SUMMARY OF QUANTITIES

												122000000-E	1245000000-E	1260000000-E	129700	0000-E	133000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES		FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	INCIDENTAL STONE BASE	SHOULDER	AGGREGATE SHOULDER BORROW	MILLING ASPHALT PAVEMENT, 1-1/2" DEPTH	MILLING ASPHALT PAVEMENT, 2" DEPTH	INCIDENTAL MILLING		ASPHALT CONC SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT
										MI	FT	TON	SMI	TON	SY	SY	SY	TON	TON	TON	TON
				FROM RUTHERFORD COUNTY LINE TO MP 1.06																	ĺ
2022CPT.13.04.20591	McDowell	1	SR 1001 (MONTFORD COVE RD)	(MP 0.00 TO MP 1.06)	1	2	2WU	NO	NO	2.12	20	106	2.23	566			571		1,084	65	293
				FROM SR 1191 TO SR 1246																	í
2022CPT.13.04.20591	McDowell	2	SR 1161 (LYTLE MTN. RD)	(MP 0.00 - MP 3.68)	2	2	2WU	NO	NO	3.64	19	182	7.20	936	508		422	3,517		236	963
				FROM BRIDGE 580106 TO SR 1137																	1
2022CPT.13.04.20591	McDowell	3	SR 1191 (NIX CREEK RD)	(MP 1.49 - MP 4.47)	2	2	2WU	NO	NO	2.98	21.5	149	6.03	784		706	533	3,064		205	1,012
				FROM SR 1191 TO DEAD END																	1
2022CPT.13.04.20591	McDowell	4	SR 1194 (MCKINNEY RD)	(MP 0.00 - MP 0.67)	2	2	2WU	NO	NO	0.67	19	33	1.36	177				643		43	291
			· · · · · · · · · · · · · · · · · · ·	FROM SR 1135 TO DEAD END																	1
2022CPT.13.04.20591	McDowell	5	SR 1242 (LOWER HAW BRANCH RD)	(MP 0.00 - MP 0.57)	2	2	2WU	NO	NO	0.56	18	28	1.12	146				574		38	326
				FROM SR 1194 TO SR 1191																	ĺ
2022CPT.13.04.20591	McDowell	6	SR 1305 (SUNSET DR)	(MP 0.00 - MP 0.33)	2	2	2WU	NO	NO	0.31	18	16	0.62	82				276		18	43
T	TAL FOR DE	OLNO 2022	3CDT 12 04 20501							10.28		514	18.56	2,691	508	706	1,526	8,074	1,084	605	2,928
10	JIAL FUR PR	OJ NO. 2022	2CPT.13.04.20591												1,2	214					<u> </u>
		GRAND TOT	ΓΔΙ							10.28		514	18.56	2,691	508	706	1,526	8,074	1,084	605	2,928
i		317.170 101	ine.												1,2	214					1

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	481000	0000-Е	4895000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	TYPE	FINAL SURFACE TESTING REQUIRED	-	LENGTH	WIDTH		TEMPORARY TRAFFIC CONTROL		PAINT PAVEMENT MARKING LINES (4") YELLOW	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS
										MI	FT	SF	LS	LF	LF	EA
2022CPT.13.04.20591	McDowell	1	SR 1001 (MONTFORD COVE RD)	FROM RUTHERFORD COUNTY LINE TO MP 1.06 (MP 0.00 TO MP 1.06)	1	2	2WU	NO	NO	2.12	20	119		22,486	22,405	109
2022CPT.13.04.20591	McDowell	2	SR 1161 (LYTLE MTN. RD)	FROM SR 1191 TO SR 1246 (MP 0.00 - MP 3.68)	2	2	2WU	NO	NO	3.64	19	408		77,256	70,994	
2022CPT.13.04.20591	McDowell	3	SR 1191 (NIX CREEK RD)	FROM BRIDGE 580106 TO SR 1137 (MP 1.49 - MP 4.47)	2	2	2WU	NO	NO	2.98	21.5	334	*	62,254	61,444	
2022CPT.13.04.20591	McDowell	4	SR 1194 (MCKINNEY RD)	FROM SR 1191 TO DEAD END (MP 0.00 - MP 0.67)	2	2	2WU	NO	NO	0.67	19	75		14,378	14,120	
2022CPT.13.04.20591	McDowell	5	SR 1242 (LOWER HAW BRANCH RD)	FROM SR 1135 TO DEAD END (MP 0.00 - MP 0.57)	2	2	2WU	NO	NO	0.56	18	63				
2022CPT.13.04.20591	McDowell	6	SR 1305 (SUNSET DR)	FROM SR 1194 TO SR 1191 (MP 0.00 - MP 0.33)	2	2	2WU	NO	NO	0.31	18	35				
тс	OTAL FOR PR	OJ NO. 202	22CPT.13.04.20591							10.28		1,034	1	176,374 345	168,963 ,337	109
		CDAND TO								10.28	1	1,034	1	176,374	168,963	109
		GRAND TO	JIAL				i -					,		345	,	



LEGEND

- STATIONARY SIGN

ES DI

NO ER

IGNING

S

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

ROAD WORK AHEAD W20-1 48" X 48" NEXT W7-3aP 24" X 18"

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

#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)

SHOULDER

SP 13107
48" X 48"

ROAD

UNDER

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART 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 INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.
 - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.

END ROAD WORK G20-2 A 48" X 24"

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

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

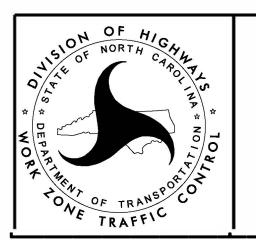
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

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





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



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

t/Desktop/Resurfacing_AdvWarn_2Ln_dgn

SIGN NUMBER: 11299 BACKO
TYPE: B COPY
QUANTITY: SEE PLANS SYMBOL

BACKG COLOR: Fluorescent Orange

COPY COLOR: Black

Х	Υ	WID	нт
	X	X Y	X Y WID

MAT'L: 0.125" (3.2 mm) ALUMINUM

RECESS: 0.59" WIDTH: 0.75" RADII: 1.38"

BORDER TYPE: INSET

SIGN WIDTH: 5'-6"

TOTAL AREA: 30.5 Sq.Ft.

HEIGHT: 5'-6"

NO. Z BARS: N/A LENGTH: N/A

USE NOTES: 1,2

- 1. Legend and border shall be direct applied black non-reflective sheeting.
- 2. Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.

DESIGN BY:
PROJECT ID:

WJ

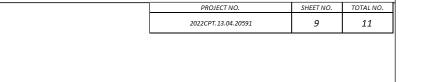
ALL

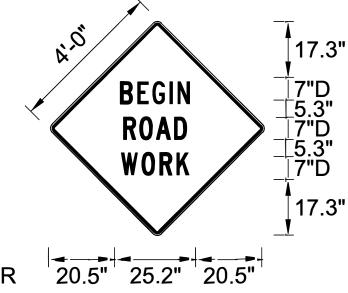
CHECKED BY:

DIV: ALL

DATE: Jun 22, 2011

SP 11299





BORDER

R=1.38" TH=0.75"

IN=0.59"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

							Lett	er s	pacin	gs a	re to	sta	art	of next	t let	ter				ries/Size ext Length
	В	E	G	I	N				-											D 2000
20.5	6	5.4	6.3	2.8	4.8	20.5														25.2
	R	0	A	D																D 2000
21.4	5.8	5.9	7	4.8	21.4															23.5
	w	0	R	K																D 2000
20.9	7.1	6.5	5.9	4.9	20.9															24.5

FILENAME: SP11299.PDF

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SP13106 BACKG COLOR: Fluorescent Orange TYPE: STATIONARY COPY COLOR: **Black** QUANTITY: SEE PLANS SYMBOL X Υ WID HT SIGN WIDTH: 4'-0" **HEIGHT:** 4'-0" TOTAL AREA: 16.00 Sq.Ft. **BORDER TYPE: INSET RECESS: 0.75"** WIDTH: 1.25" RADII: 3" MAT'L: 0.080" (2.0 mm) ALUMINUM NO. Z BARS:

LENGTH:

USE NOTES: 1,2

- 1. Legend and border shall be direct applied black non-reflective sheeting.
- 2. Background shall be NC GRADE B fluoresent orange retroreflective sheeting.

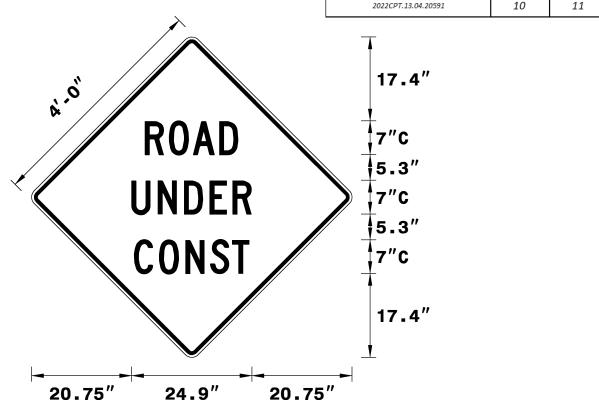
DESIGN BY: B. RASHID PROJECT ID:

CHECKED BY: AIA
DIV:

DATE: Apr 26, 2013

 PROJECT NO.
 SHEET NO.
 TOTAL NO.

 2022CPT.13.04.20591
 10
 11



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

							Let	ter	spac	ings	are	to	sta	`t (of next	let	ter			Series/Si Text Leng
	R	0	Α	D																C 2000
23.5	5	5	5.5	3.9	23.5															19.3
	U	N	D	E	R															C 200
20.7	5.5	5.5	5.3	4.8	3.9	20.7														24.9
	С	0	N	S	Т															C 200
21.2	5.2	5.5	5.1	4.6	3.6	21.2														23.9
																				-
																				=

SIGN NUMBER: SP13107 BACKG COLOR: Fluorescent Orange TYPE: STATIONARY **COPY COLOR:** Black QUANTITY: SEE PLANS WID HT SYMBOL X Υ SIGN WIDTH: 4'-0" **HEIGHT:** 4'-0" TOTAL AREA: 16.00 Sq.Ft. **BORDER TYPE: INSET RECESS: 0.75**" WIDTH: 1.25" RADII: 3"

MAT'L: 0.080" (2.0 mm) ALUMINUM

NO. Z BARS: LENGTH:

USE NOTES: 1,2

- 1. Legend and border shall be direct applied black non-reflective sheeting.
- 2. Background shall be NC GRADE B fluoresent orange retroreflective sheeting.

DESIGN BY: B. RASHID PROJECT ID:

CHECKED BY: AIA DIV:

DATE: Apr 26, 2013

	PROJECT NO.	SHEET NO.	TOTAL NO.
	2022CPT.13.04.20591	11	11
	24.9"	•	
LOW/SOFT SHOULDER	6"D 4.5" 6"D		
	24.9"		
13" 40.4" 13	-		
Spacing Facto	or is 1 unless speci	fied oth	erwise

LETTER POSITIONS

Series Text l			tter	le	next	of	tart	to :	are	ings	spac	ter	Let								
D 2													Т	F	0	S	1	W	0	L	
39												13.2	3.7	4.1	5.6	5	6.5	5.5	5	4.5	13.2
D 2													R	E	D	L	U	0	Н	S	
40												13	4.1	4.7	5.4	4.6	5.5	5.6	5.4	5.1	13
														-							
										İ											

FILENAME: SP130XX_Sgn_SGN_special

NORTH CAROLINA D.O.T. SIGN DETAIL