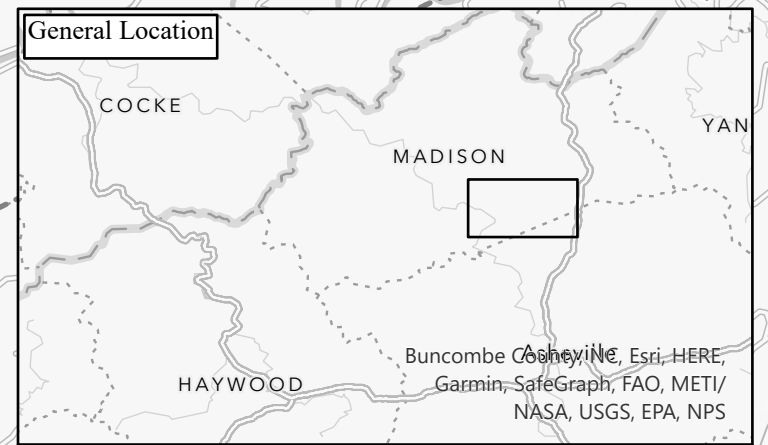


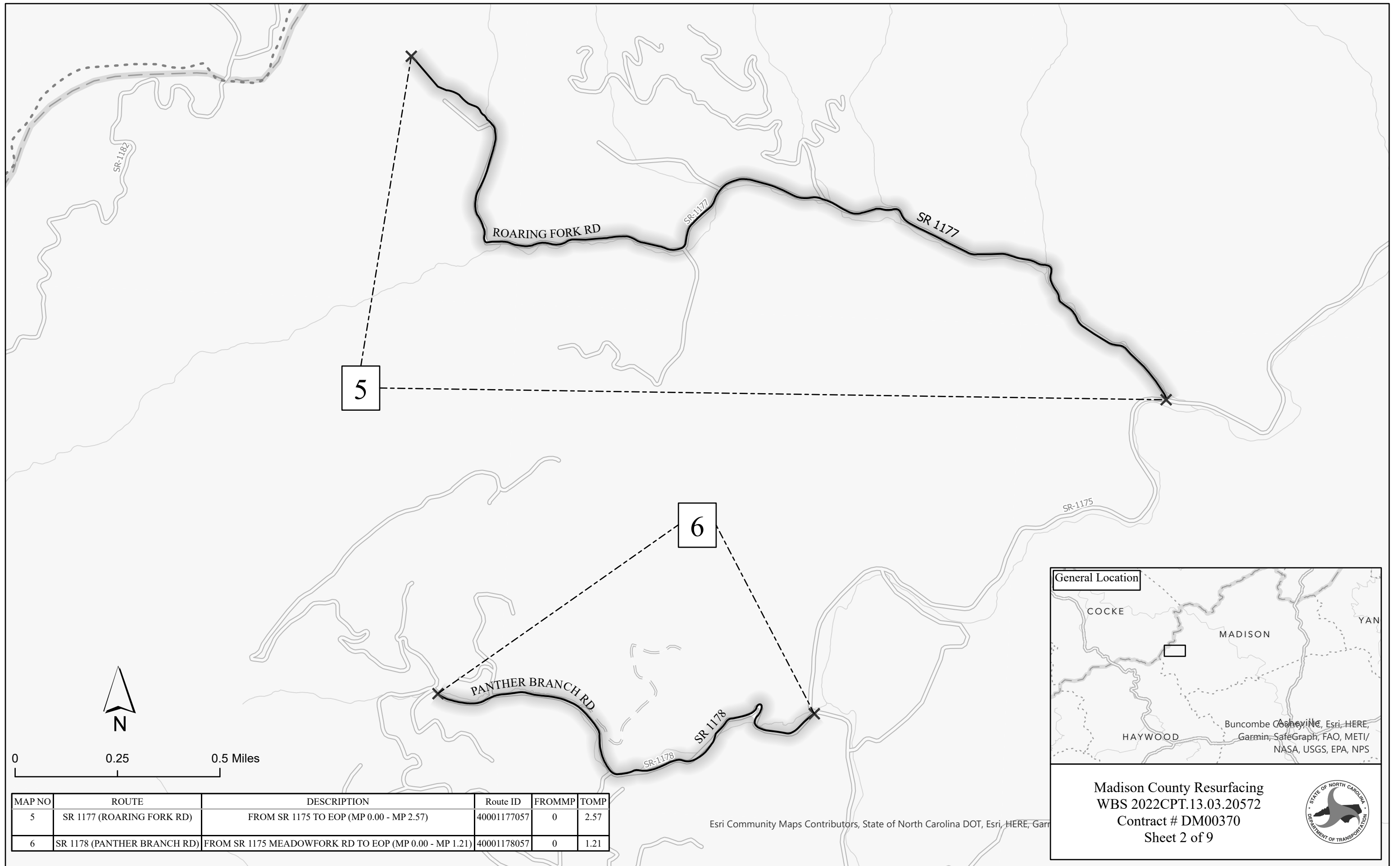
MAP NO	ROUTE	DESCRIPTION	Route ID	FROMMP	TOMP
1	NC 213	FROM SR 1569 BULL CREEK RD TO MARS HILL CL (MP 12.18 - MP 13.01)	30000213057	12.18	13.01
2	NC 213	FROM SR 1611 SILVER MILL RD TO SR 1426 BAX HENSLEY RD (MP 7.92 - MP 9.89)	30000213057	7.92	9.89
3	US 25 (4-LANE)	FROM BUNCOMBE COUNTY LINE TO MP 1.94 (MP 0.00 - MP 1.94)	20000025057	0	1.94
4	US 25 (3-LANE)	FROM SR 1602 FORE RD TO MP 6.19 (MP 4.19 - MP 6.19)	20000025057	4.19	6.19



Buncombe County, NC, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph

Madison County Resurfacing
 WBS 2022CPT.13.03.10572
 Contract # DM00370
 Sheet 1 of 9





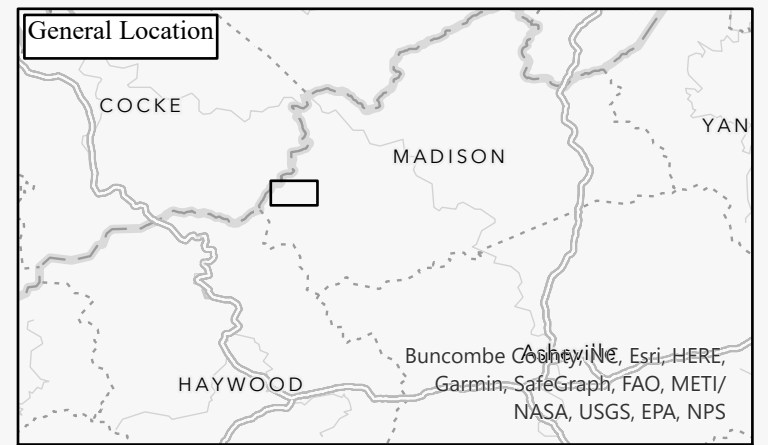
5

6

0 0.25 0.5 Miles



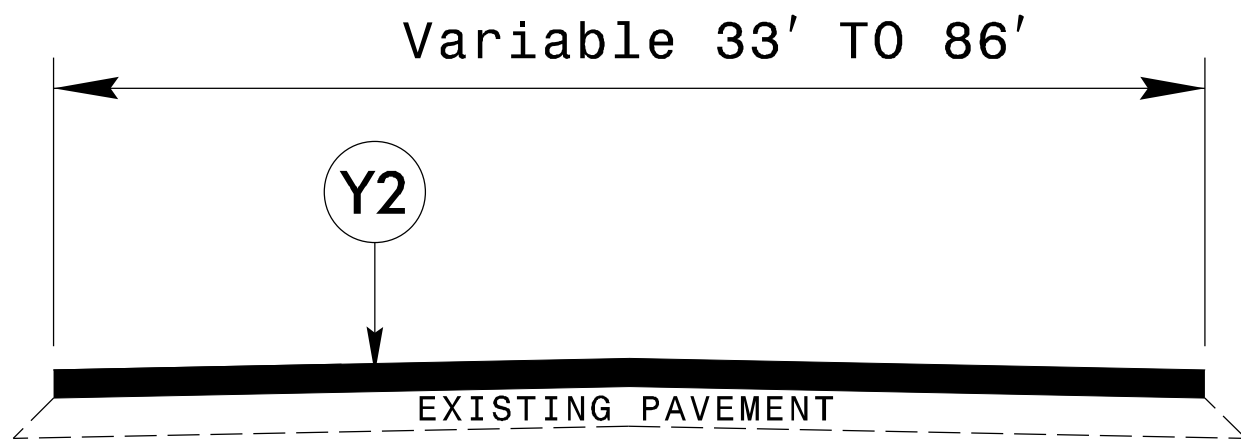
MAP NO	ROUTE	DESCRIPTION	Route ID	FROMMP	TOMP
5	SR 1177 (ROARING FORK RD)	FROM SR 1175 TO EOP (MP 0.00 - MP 2.57)	40001177057	0	2.57
6	SR 1178 (PANTHER BRANCH RD)	FROM SR 1175 MEADOWFORK RD TO EOP (MP 0.00 - MP 1.21)	40001178057	0	1.21



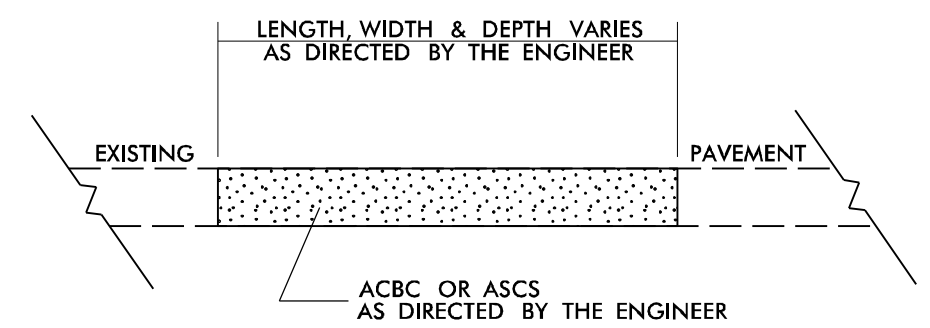
Madison County Resurfacing
 WBS 2022CPT.13.03.20572
 Contract # DM00370
 Sheet 2 of 9



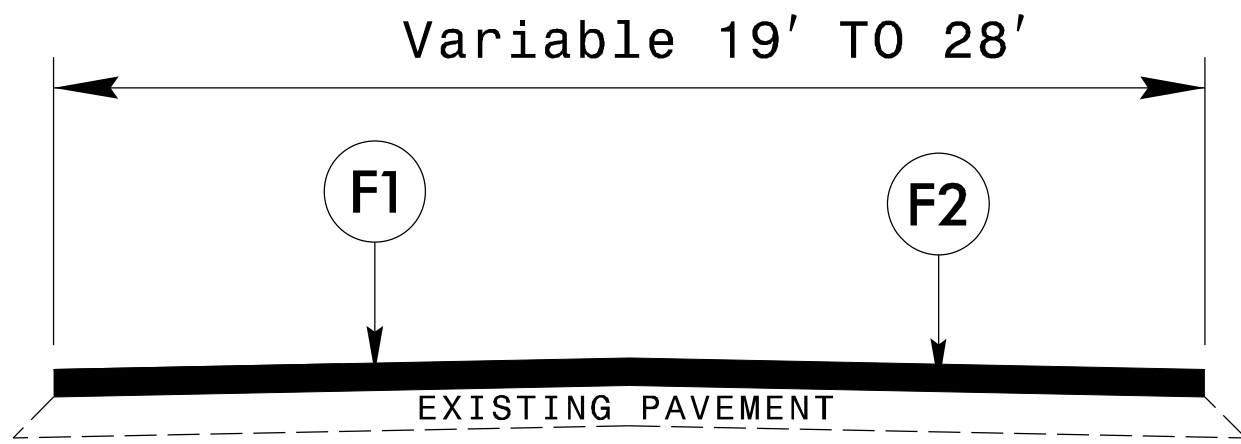
Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin



TYPICAL SECTION #1



PATCHING EXISTING PAVEMENT



TYPICAL SECTION #2

PAVEMENT SCHEDULE	
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	ASPHALT SURFACE TREATMENT, FOG SEAL
Y2	SEALING EXISTING PAVEMENT CRACKS

03-FEB-2022 09:43
 S:\DD\Resurfacing\2023 Resurfacing\District 2\Madison PP\Maps and Typical\2023.cddc.typ.dgn
 6/2/99

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.10572, 2022CPT.13.03.20572	4	9

SUMMARY OF QUANTITIES

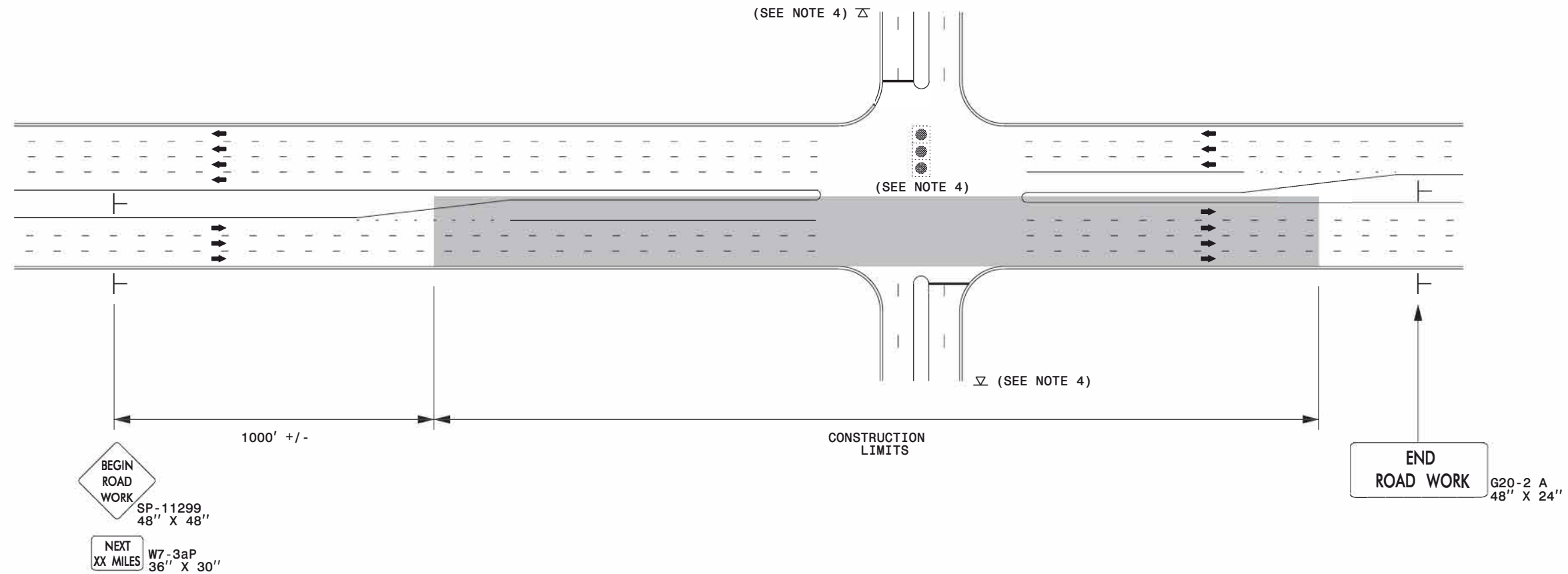
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1022000000-E	1704000000-E	1803500000-E	1820000000-E	1838000000-E	1838500000-N		
												SEALING EXISTING PAVEMENT CRACKS	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	ASPHALT SURFACE TREATMENT, FOG SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK		
												MI	FT	LB	TON	SY	SY	GAL	WK
2022CPT.13.03.10572	Madison	1	NC 213	FROM SR 1569 TO MARS HILL CL (MP 12.18 - MP 13.01)	1	2	2WU	NO	NO	0.83	30	5,395							
2022CPT.13.03.10572	Madison	2	NC 213	FROM SR 1611 TO SR 1426 (MP 7.92 - MP 9.89)	1	2	2WU	NO	NO	1.97	30	19,208							
2022CPT.13.03.10572	Madison	3	US 25/70 (4-LANE)	FROM BCL TO MP 1.94 (MP 0.00 - MP 1.94)	1	4	MU	NO	NO	1.94	60	25,220							
2022CPT.13.03.10572	Madison	4	US 25/70 (3-LANE)	FROM SR 1602 TO MP 6.19 (MP 4.19 - MP 6.19)	1	3	MU	NO	NO	2	40	19,500							
TOTAL FOR PROJ NO. 2022CPT.13.03.10572												6.74		69,323					
2022CPT.13.03.20572	Madison	5	SR 1177 (ROARING FORK RD)	FROM SR 1175 TO EOP (MP 0.00 - MP 2.57)	2	2	2WU	NO	NO	2.57	19.5		500	29,401	29,401	17,641	1.00		
2022CPT.13.03.20572	Madison	6	SR 1178 (PANTHER BRANCH RD)	FROM SR 1175 TO EOP (MP 0.00 - MP 1.21)	2	2	2WU	NO	NO	1.21	28		250	19,876	19,876	11,926	1.00		
TOTAL FOR PROJ NO. 2022CPT.13.03.20572												3.78		750	49,277	49,277	29,567	2.00	
GRAND TOTAL												10.52		69,323	750	49,277	49,277	29,567	2.00

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	4413000000-E	4457000000-N	4810000000-E			
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW		
												MI	FT	SF	LS	LF	LF
2022CPT.13.03.10572	Madison	1	NC 213	FROM SR 1569 TO MARS HILL CL (MP 12.18 - MP 13.01)	1	2	2WU	NO	NO	0.83	30	122	*				
2022CPT.13.03.10572	Madison	2	NC 213	FROM SR 1611 TO SR 1426 (MP 7.92 - MP 9.89)	1	2	2WU	NO	NO	1.97	30						
2022CPT.13.03.10572	Madison	3	US 25/70 (4-LANE)	FROM BCL TO MP 1.94 (MP 0.00 - MP 1.94)	1	4	MU	NO	NO	1.94	60						
2022CPT.13.03.10572	Madison	4	US 25/70 (3-LANE)	FROM SR 1602 TO MP 6.19 (MP 4.19 - MP 6.19)	1	3	MU	NO	NO	2.00	40						
TOTAL FOR PROJ NO. 2022CPT.13.03.10572												6.74		122	*		
2022CPT.13.03.20572	Madison	5	SR 1177 (ROARING FORK RD)	FROM SR 1175 TO EOP (MP 0.00 - MP 2.57)	2	2	2WU	NO	NO	2.57	19.5	302		54,278	54,278		
2022CPT.13.03.20572	Madison	6	SR 1178 (PANTHER BRANCH RD)	FROM SR 1175 TO EOP (MP 0.00 - MP 1.21)	2	2	2WU	NO	NO	1.21	28			*	2,555	2,555	
TOTAL FOR PROJ NO. 2022CPT.13.03.20572												3.78		302	*	56,833	56,833
GRAND TOTAL												10.52		424	1	113,666	113,666

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.10572	5	9
2022CPT.13.03.20572		

URBAN / SUBURBAN WORKZONES



NOTES:

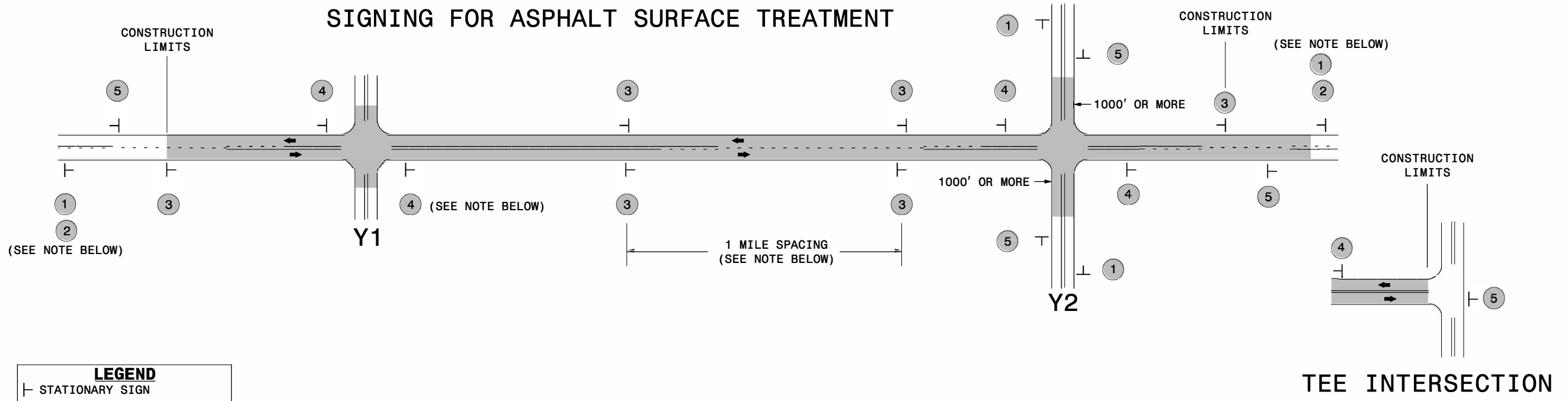
- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) 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.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) 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 WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- ┆ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#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)</p>	<p style="text-align: center;">NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p style="text-align: center;">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.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	3	 	<p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
	4		<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p> <p>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
	5		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

**ADVANCE WARNING SIGNS
FOR
ASPHALT SURFACE TREATMENTS
2 LANE ROADWAYS**

4/20/2016 C:\Users\rmgarr\OneDrive\Downloads\Resurfacing_AdvWarn_2Ln - AST.dgn User:rmgarr

SIGN NUMBER: 11299

BACKG COLOR: Fluorescent Orange

DESIGN BY: WJ

CHECKED BY:

DATE: Jun 22, 2011

TYPE: B

COPY COLOR: Black

PROJECT ID: ALL

DIV: ALL

QUANTITY: SEE PLANS

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 5'-6"

HEIGHT: 5'-6"

SP 11299

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.10572	7	9
2022CPT.13.03.20572		

TOTAL AREA: 30.5 Sq.Ft.

BORDER TYPE: INSET

RECESS: 0.59"

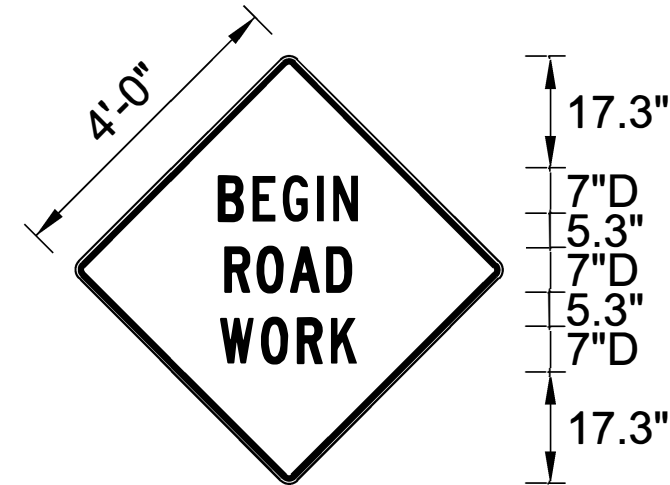
WIDTH: 0.75"

RADII: 1.38"

NO. Z BARS: N/A

LENGTH: N/A

MAT'L: 0.125" (3.2 mm) ALUMINUM



BORDER
R=1.38"
TH=0.75"
IN=0.59"

Spacing Factor is 1 unless specified otherwise

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.

LETTER POSITIONS

Letter spacings are to start of next letter																				Series/Size	
																				Text Length	
		B	E	G	I	N															D 2000
20.5	6	5.4	6.3	2.8	4.8	20.5															25.2
		R	O	A	D																D 2000
21.4	5.8	5.9	7	4.8	21.4																23.5
		W	O	R	K																D 2000
20.9	7.1	6.5	5.9	4.9	20.9																24.5

SIGN NUMBER: SP13106
TYPE: STATIONARY
QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black

DESIGN BY: B. RASHID
PROJECT ID:

CHECKED BY: AIA
DIV:

DATE: Apr 26, 2013

SIGN WIDTH: 4'-0"
HEIGHT: 4'-0"
TOTAL AREA: 16.00 Sq.Ft.

BORDER TYPE: INSET
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3"

NO. Z BARS:
LENGTH:

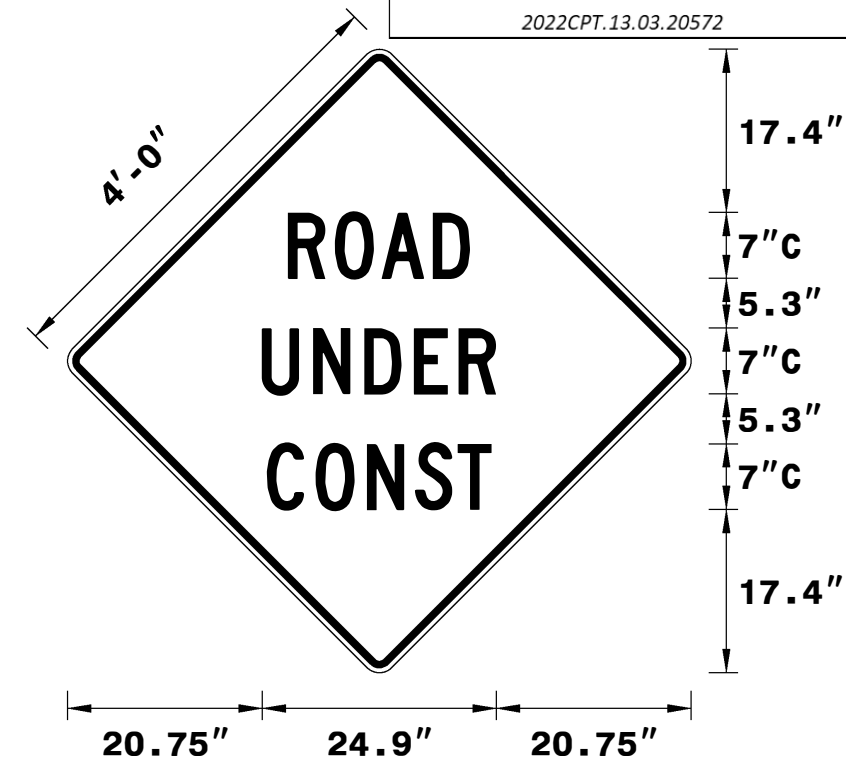
SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,2

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.10572	8	9
2022CPT.13.03.20572		



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter																				Series/Size Text Length	
		R	O	A	D																C 2000
	23.5	5	5	5.5	3.9	23.5															19.3
		U	N	D	E	R															C 2000
	20.7	5.5	5.5	5.3	4.8	3.9	20.7														24.9
		C	O	N	S	T															C 2000
	21.2	5.2	5.5	5.1	4.6	3.6	21.2														23.9

SIGN NUMBER: SP13107
 TYPE: STATIONARY
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange
 COPY COLOR: Black

DESIGN BY: B. RASHID
 PROJECT ID:

CHECKED BY: AIA
 DIV:

DATE: Apr 26, 2013

SYMBOL	X	Y	WID	HT

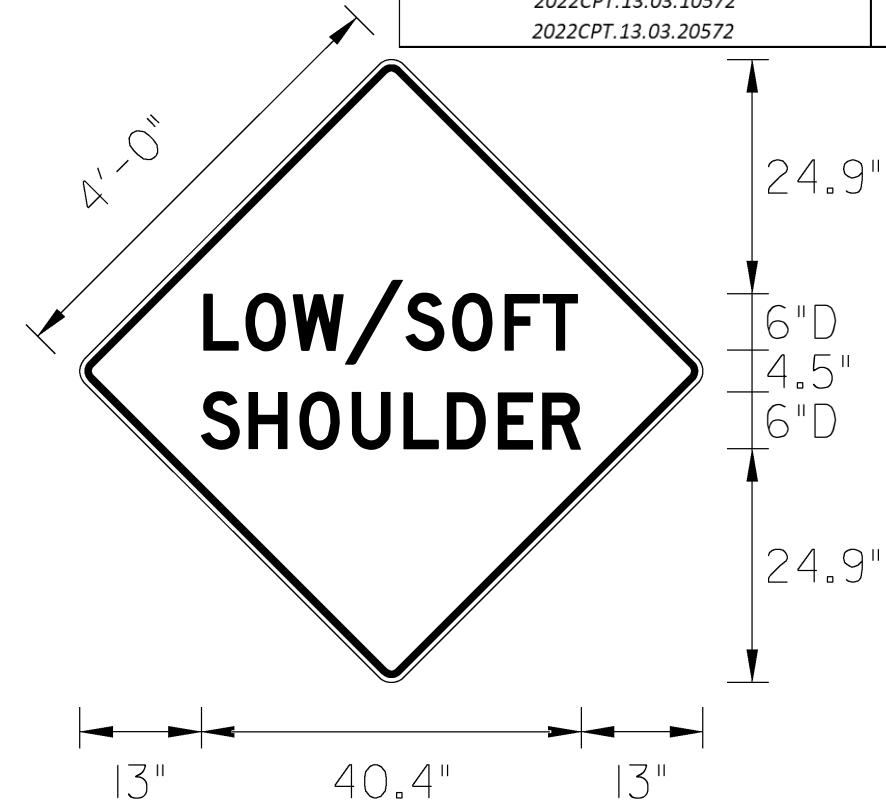
SIGN WIDTH: 4'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 16.00 Sq.Ft.

BORDER TYPE: INSET
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"

NO. Z BARS:
 LENGTH:

MAT'L: 0.080" (2.0 mm) ALUMINUM

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.13.03.10572	9	9
2022CPT.13.03.20572		



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

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

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length	
	L	O	W	/	S	O	F	T				D 2000
13.2	4.5	5	5.5	6.5	5	5.6	4.1	3.7	13.2			39.9
	S	H	O	U	L	D	E	R				D 2000
13	5.1	5.4	5.6	5.5	4.6	5.4	4.7	4.1	13			40.4