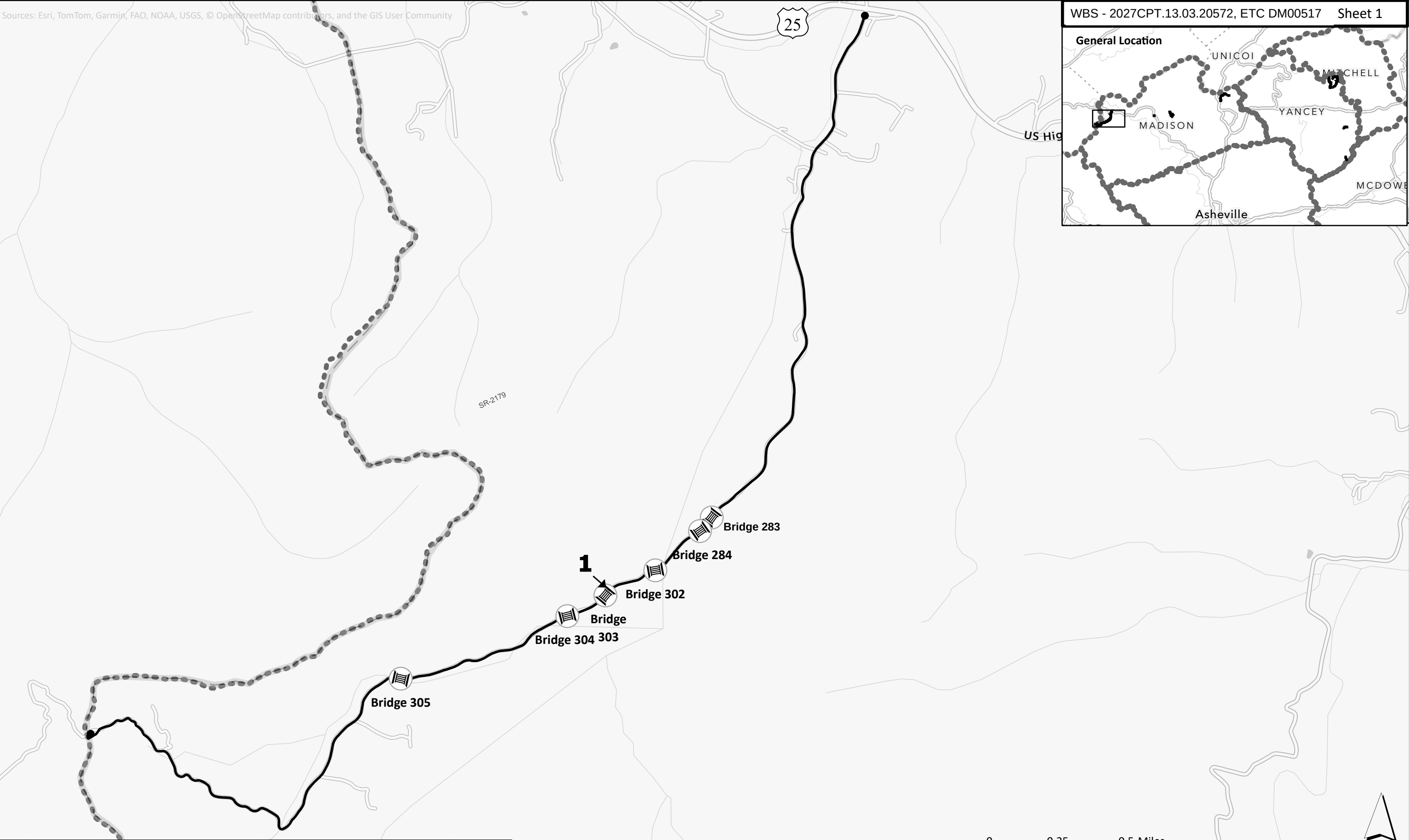
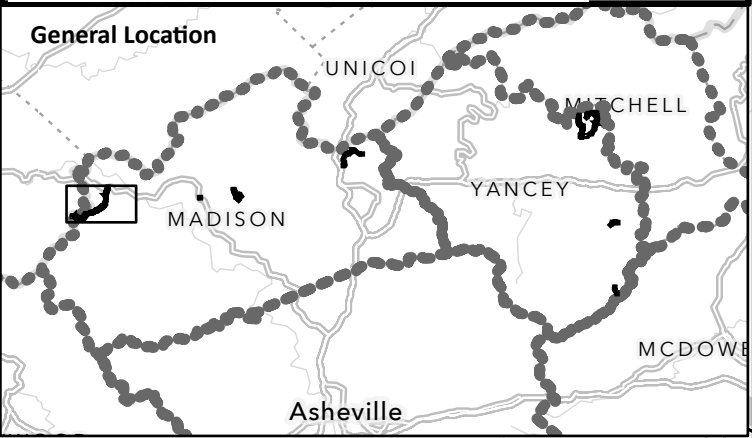


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

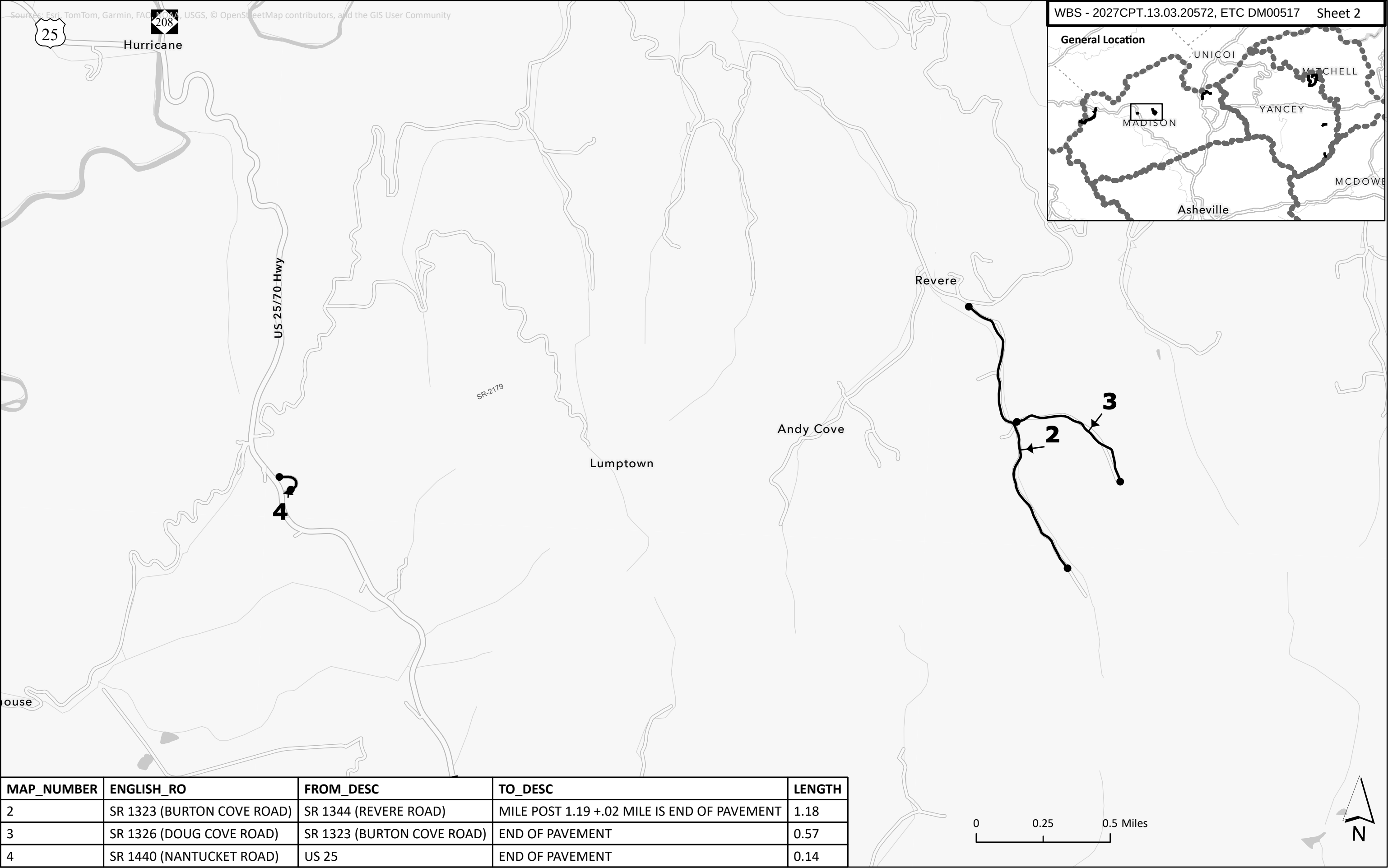
General Location



MAP_NUMBER	ENGLISH_RO	FROM_DESC	TO_DESC	LENGTH
1	SR 1183 (UPPER SHUT IN)	BEGIN PAVEMENT	US 25	5.12

0 0.25 0.5 Miles

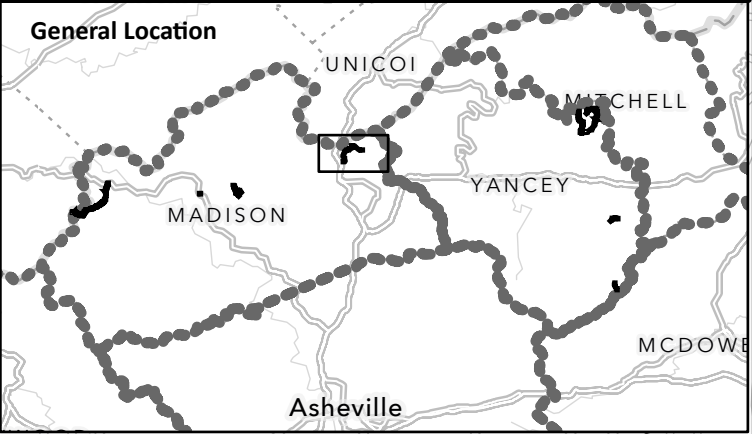




MAP_NUMBER	ENGLISH_RO	FROM_DESC	TO_DESC	LENGTH
2	SR 1323 (BURTON COVE ROAD)	SR 1344 (REVERE ROAD)	MILE POST 1.19 +.02 MILE IS END OF PAVEMENT	1.18
3	SR 1326 (DOUG COVE ROAD)	SR 1323 (BURTON COVE ROAD)	END OF PAVEMENT	0.57
4	SR 1440 (NANTUCKET ROAD)	US 25	END OF PAVEMENT	0.14

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

General Location



5

SR-2179

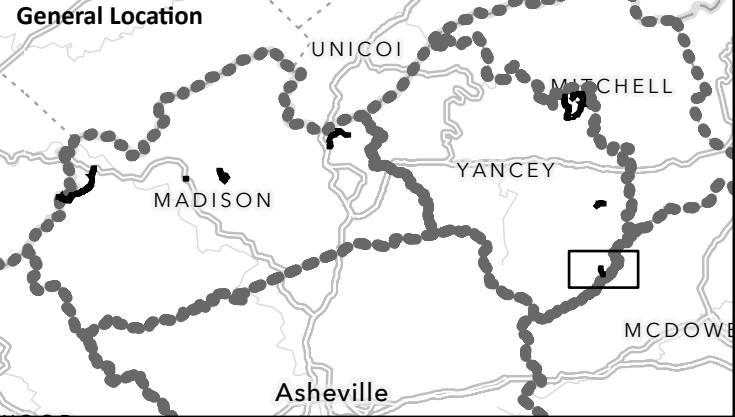
English

MAP_NUMBER	ENGLISH_RO	FROM_DESC	TO_DESC	LENGTH
5	SR 1500 (SMITH CREEK ROAD)	US 23 ALTERNATE	SR 1502 (PUNCHEON FORK ROAD)	3.08

0 0.25 0.5 Miles



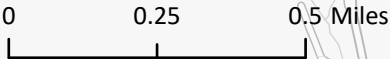
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



SR-2179

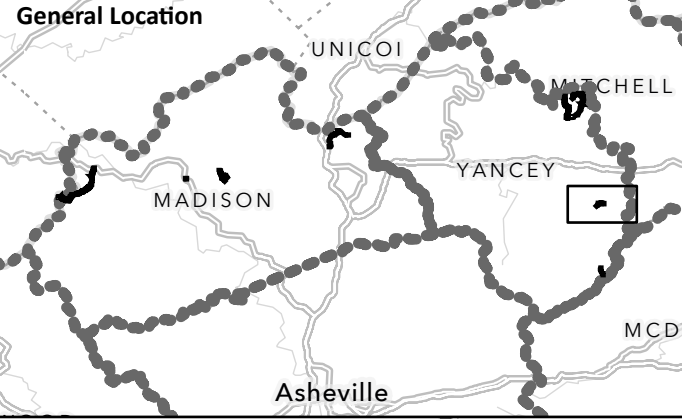
Busick

6



MAP_NUMBER	ENGLISH_RO	FROM_DESC	TO_DESC	LENGTH
6	SR 1164 (DOVERS BRANCH ROAD)	NC 80S	END OF PAVEMENT	0.69

Sources: Esri, TomTom, Garmin, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



Celo

SR-2179

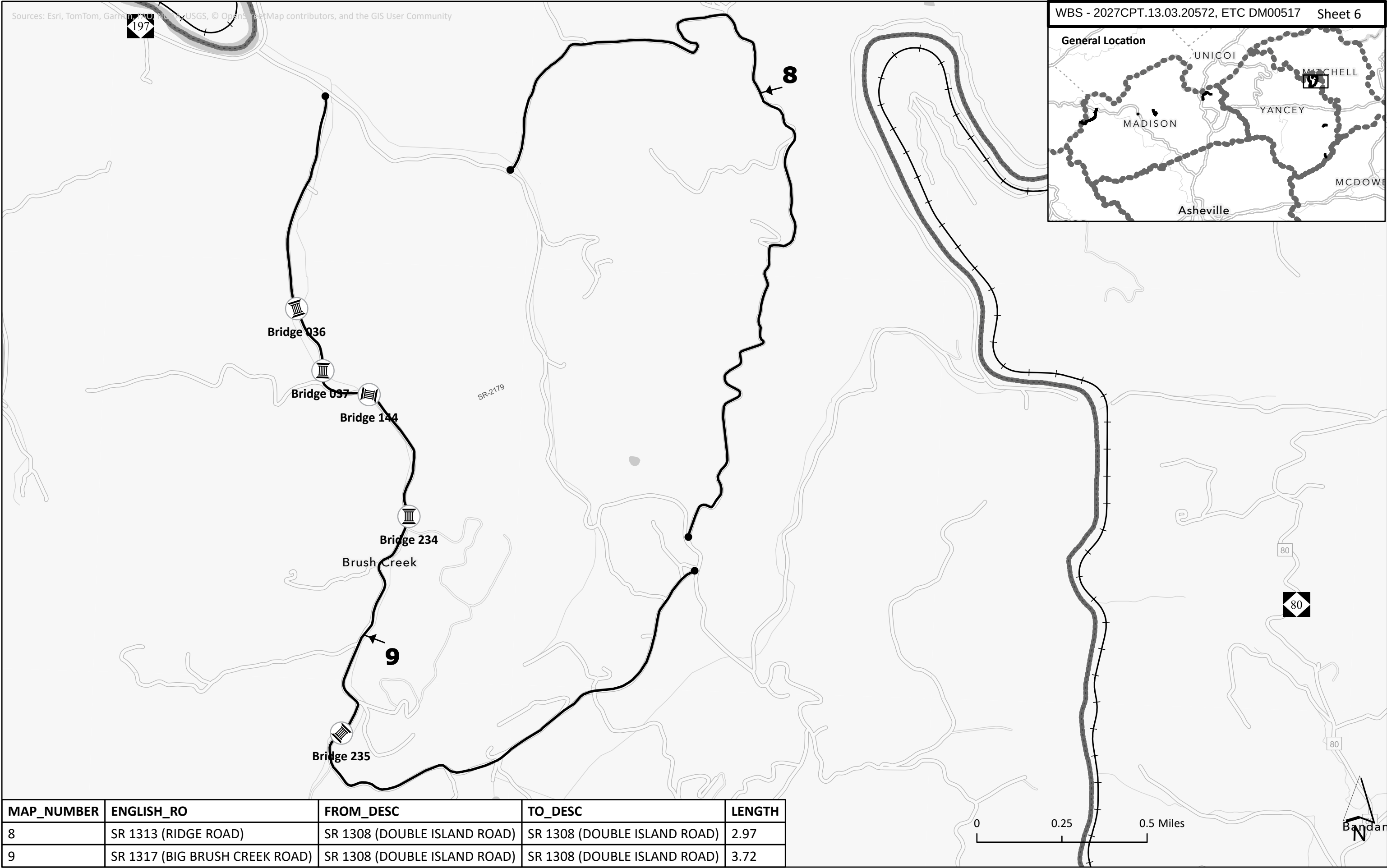
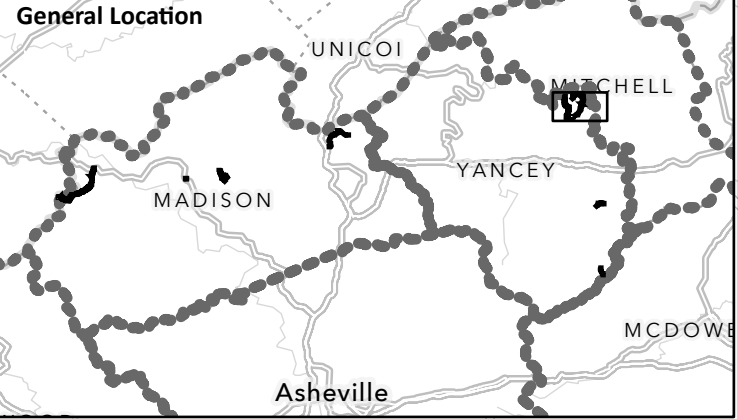
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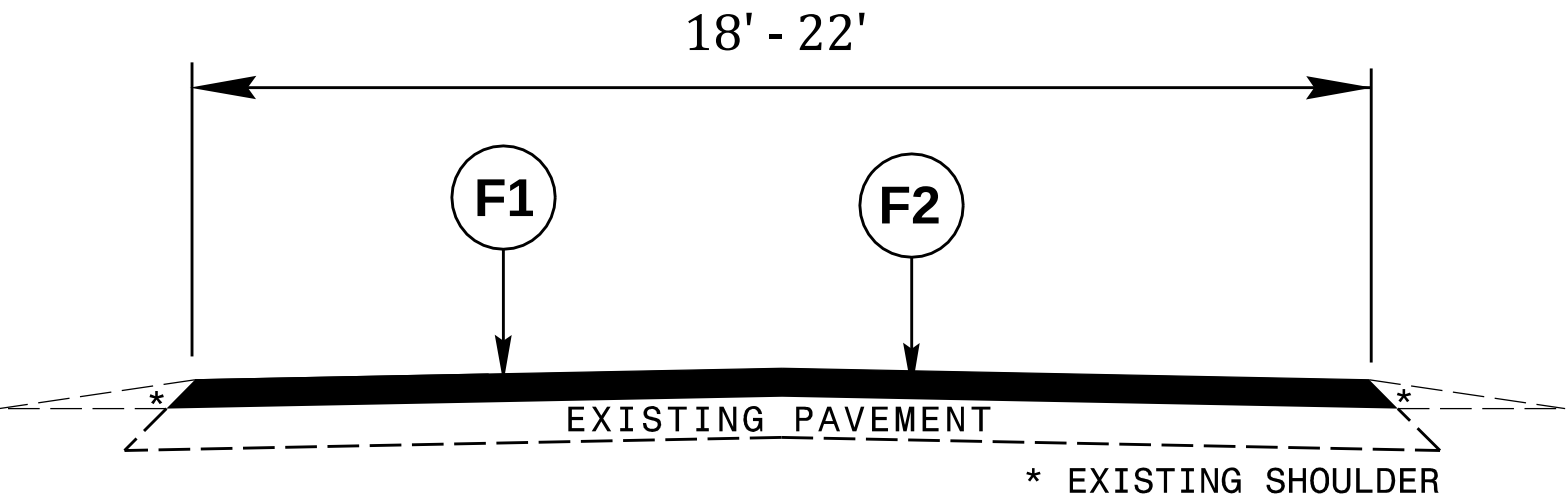
MAP_NUMBER	ENGLISH_RO	FROM_DESC	TO_DESC	LENGTH
7	SR 1170 (LOWER BROWNS CREEK ROAD)	SR 1154 (GRINDSTAFF ROAD)	END OF PAVEMENT	0.86

0 0.25 0.5 Miles



Sources: Esri, TomTom, Garmin, NOAA, NCEM, USGS, © OpenStreetMap contributors, and the GIS User Community

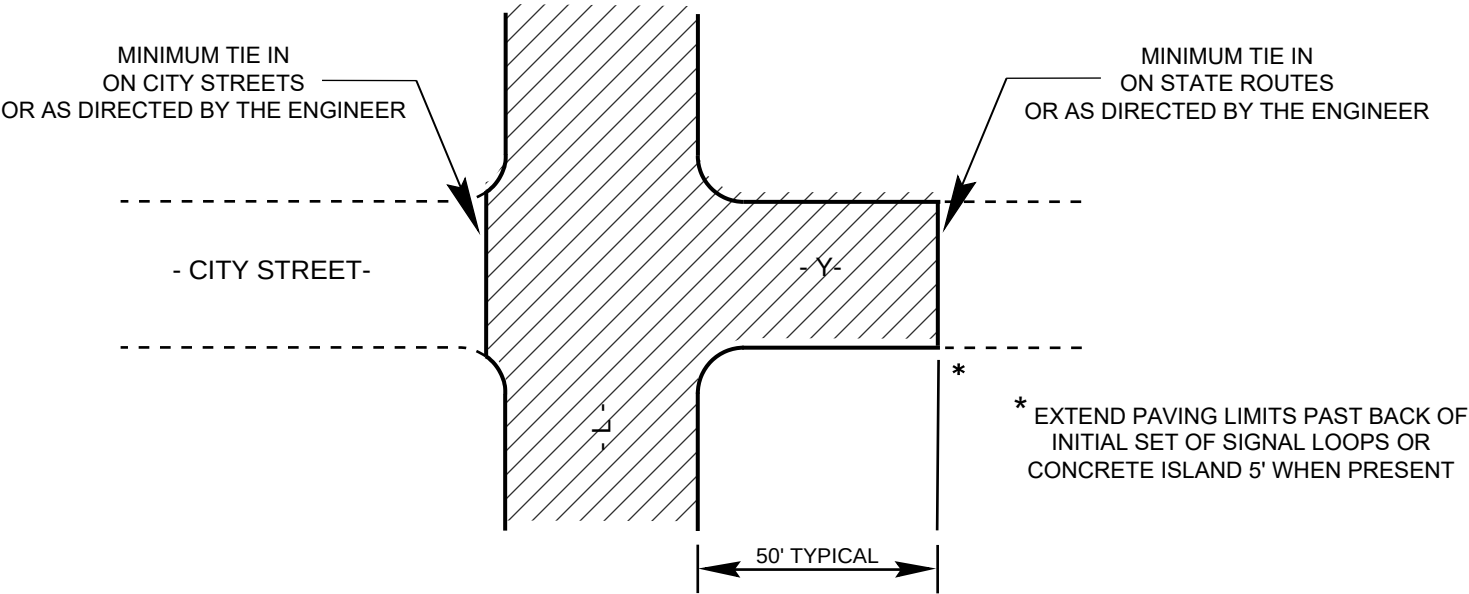




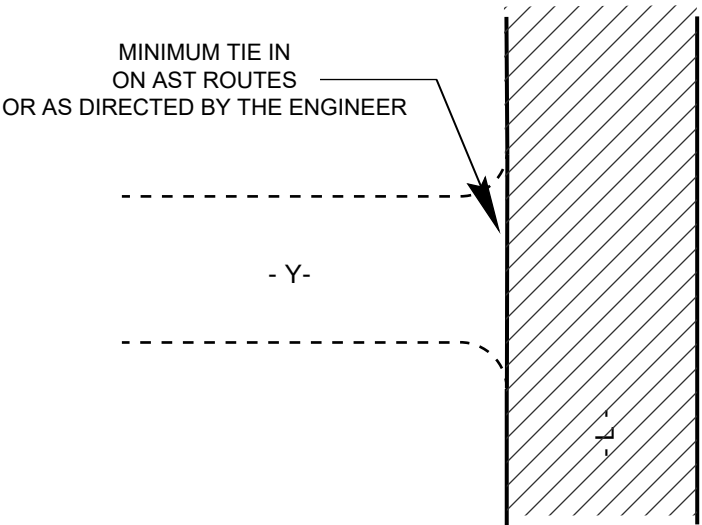
TYPICAL SECTION #1

PAVEMENT SCHEDULE	
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	ASPHALT SURFACE TREATMENT, FOG SEAL

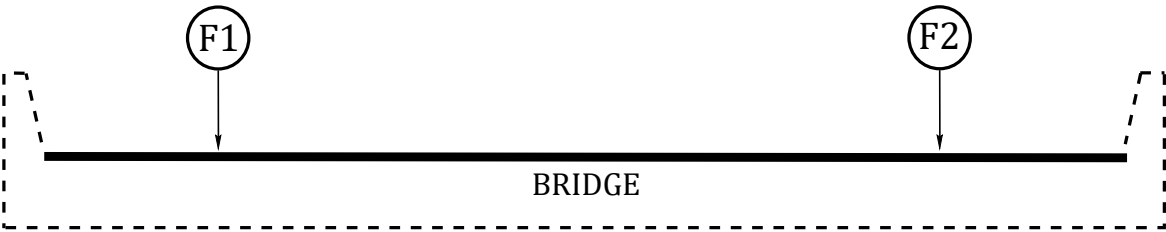
DETAIL 1



DETAIL 2



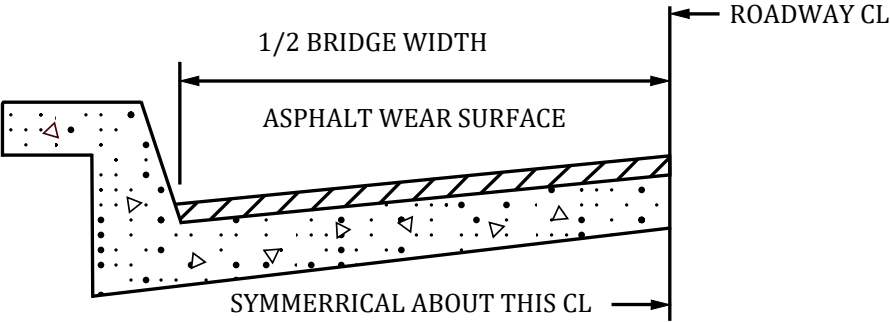
TYPICAL DETAILS OF PAVING LIMITS AT -Y- LINES



BRIDGE DETAIL

BRIDGE NUMBERS 560283, 560284, 560302,
560303, 560304 AND 560305 ON MAP 1 AND
BRIDGE NUMBERS 990235, 990144, 990037
AND 990036 ON MAP 9

*SEE MAP FOR BRIDGE LOCATIONS.



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.

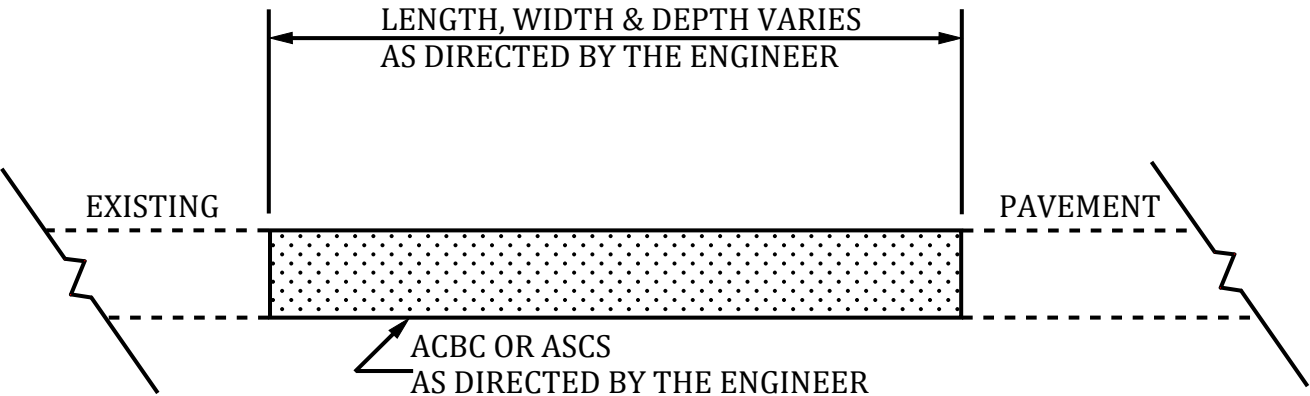
THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", S9.5B 1", S9.5C,D 1.5" - 2". ULTRA-THIN HOT MIX ASPHALT ".

NOTES

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.



PATCHING EXISTING PAVEMENT

PAVEMENT SCHEDULE	
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	ASPHALT SURFACE TREATMENT, FOG SEAL

PROJECT NO.	SHEET NO.
2027CPT.13.03.20572, ETC	10

SUMMARY OF QUANTITIES

												1575000000-E	1704000000-E	1803500000-E	1820000000-E	1838000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGI N MP	END MP	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	ASPHALT SURFACE TREATMENT, FOG SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT
								MI	FT			TON	TON	SY	SY	GAL
2027CPT.13.03.20572	Madison	1	SR-1183 (UPPER SHUT-IN ROAD)	FROM BEGIN PAVEMENT TO US 25	1	2	2WD	5.12	20.00	0.00	5.12	11	225	60,075	60,075	36,045
2027CPT.13.03.20572	Madison	2	SR-1323 (BURTON COVE ROAD)	FROM SR 1344 (REVERE ROAD) TO MILE POST 1.19 +.02 MILE IS END OF PAVEMENT	1	2	2WD	1.18	18.00	0.01	1.19	2	37	12,672	12,672	7,603
2027CPT.13.03.20572	Madison	3	SR-1326 (DOUG COVE ROAD)	FROM SR 1323 (BURTON COVE ROAD) TO END OF PAVEMENT	1	2	2WD	0.57	18.00	0.00	0.57	1	13	6,019	6,019	3,612
2027CPT.13.03.20572	Madison	4	SR-1440 (NANTUCKET ROAD)	FROM US 25 TO END OF PAVEMENT	1	2	2WD	0.11	22.00	0.01	0.12	1	11	1,807	1,807	1,084
2027CPT.13.03.20572	Madison	5	SR-1500 (SMITH CREEK ROAD)	FROM US 23 ALTERNATE TO SR 1502 (PUNCHEON FORK ROAD)	1	2	2WD	3.08	20.00	0.01	3.09	16	327	36,139	36,139	21,683
TOTAL FOR PROJ NO. 2027CPT.13.03.20572								10.06				31	613	116,712	116,712	70,027
2027CPT.13.03.21002	Yancey	6	SR-1164 (DOVERS BRANCH)	FROM NC 80 SOUTH TO END OF PAVEMENT	1	2	2WD	0.69	20.00	0.01	0.70	2	50	8,096	8,096	4,858
2027CPT.13.03.21002	Yancey	7	SR-1170 (LOWER BROWNS CREEK ROAD)	FROM SR 1154 (GRINDSTAFF ROAD) TO END OF PAVEMENT	1	2	2WD	0.86	20.00	0.00	0.86	2	36	10,091	10,091	6,055
2027CPT.13.03.21002	Yancey	8	SR-1313 (RIDGE ROAD)	FROM SR 1308 (DOUBLE ISLAND ROAD) TO SR 1308 (DOUBLE ISLAND ROAD)	1	2	2WD	2.97	18.00	0.01	2.98	27	572			
2027CPT.13.03.21002	Yancey	9	SR-1317 (BIG BRUSH CREEK ROAD)	FROM SR 1308 (DOUBLE ISLAND ROAD) TO SR 1308 (DOUBLE ISLAND ROAD)	1	2	2WD	3.72	19.00	0.01	3.73	4	82	41,466	41,466	24,880
TOTAL FOR PROJ NO. 2027CPT.13.03.21002								8.24				35	740	59,653	59,653	35,793
GRAND TOTAL								18.30				66	1,353	176,365	176,365	105,820

PROJECT NO.	SHEET NO.
2027CPT.13.03.20572, ETC	11

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	4890000000-E	4890000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE /GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (4", 60 MILS) (WHITE)	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (4", 60 MILS) (YELLOW)
								MI	FT			SF		LF	LF
2027CPT.13.03.20572	Madison	1	SR-1183 (UPPER SHUT-IN ROAD)	FROM BEGIN PAVEMENT TO US 25	1	2	2WD	5.12	20.0	0.00	5.12	573	*	54,068	54,068
2027CPT.13.03.20572	Madison	2	SR-1323 (BURTON COVE ROAD)	FROM SR 1344 (REVERE ROAD) TO MILE POST 1.19 +.02 MILE IS END OF PAVEMENT	1	2	2WD	1.18	18.0	0.01	1.19	132			
2027CPT.13.03.20572	Madison	3	SR-1326 (DOUG COVE ROAD)	FROM SR 1323 (BURTON COVE ROAD) TO END OF PAVEMENT	1	2	2WD	0.57	18.0	0.00	0.57	64			
2027CPT.13.03.20572	Madison	4	SR-1440 (NANTUCKET ROAD)	FROM US 25 TO END OF PAVEMENT	1	2	2WD	0.11	22.0	0.01	0.12	12			
2027CPT.13.03.20572	Madison	5	SR-1500 (SMITH CREEK ROAD)	FROM US 23 ALTERNATE TO SR 1502 (PUNCHEON FORK ROAD)	1	2	2WD	3.08	20.0	0.01	3.09	345		32,630	32,630
TOTAL FOR PROJ NO. 2027CPT.13.03.20572								10.06				1,126		86,698	86,698
2027CPT.13.03.21002	Yancey	6	SR-1164 (DOVERS BRANCH)	FROM NC 80 SOUTH TO END OF PAVEMENT	1	2	2WD	0.69	20.0	0.01	0.70	78		7,392	7,392
2027CPT.13.03.21002	Yancey	7	SR-1170 (LOWER BROWNS CREEK ROAD)	FROM SR 1154 (GRINDSTAFF ROAD) TO END OF PAVEMENT	1	2	2WD	0.86	20.0	0.00	0.86	96		9,188	9,188
2027CPT.13.03.21002	Yancey	8	SR-1313 (RIDGE ROAD)	FROM SR 1308 (DOUBLE ISLAND ROAD) TO SR 1308 (DOUBLE ISLAND ROAD)	1	2	2WD	2.97	18.0	0.01	2.98	333			
2027CPT.13.03.21002	Yancey	9	SR-1317 (BIG BRUSH CREEK ROAD)	FROM SR 1308 (DOUBLE ISLAND ROAD) TO SR 1308 (DOUBLE ISLAND ROAD)	1	2	2WD	3.72	19.0	0.01	3.73	417			
TOTAL FOR PROJ NO. 2027CPT.13.03.21002								8.24				924		16,580	16,580
GRAND TOTAL								18.30				2,050	1	206,556	

2027CPT

BRIDGE DATA

Map No.	Route No.	Route Name	Bridge No.	Posted SV	Posted TSS	Recommended Treatment, From Bridge Maintenance
1	SR1183	UPPER SHUT-IN ROAD	560283			PAVE
1	SR1183	UPPER SHUT-IN ROAD	560284			PAVE
1	SR1183	UPPER SHUT-IN ROAD	560302			PAVE
1	SR1183	UPPER SHUT-IN ROAD	560303			PAVE
1	SR1183	UPPER SHUT-IN ROAD	560304			TEMPORARY SHORE AND PAVE
1	SR1183	UPPER SHUT-IN ROAD	560305			TEMPORARY SHORE AND PAVE
9	SR1317	BIG BRUSH CREEK ROAD	990235			PAVE
9	SR1317	BIG BRUSH CREEK ROAD	990234			DO NOT PAVE
9	SR1317	BIG BRUSH CREEK ROAD	990144			CLEAR DEBRIS FROM PAVED SHOULDER AND PAVE
9	SR1317	BIG BRUSH CREEK ROAD	990037			PAVE
9	SR1317	BIG BRUSH CREEK ROAD	990036			PAVE

CONTINUOUS LINES EDGE LINE YELLOW OR WHITE 4" / 6" LANE LINE WHITE 4" / 6" CENTER LINE YELLOW 4" / 6" GORE LINE WHITE 8" / 12" DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH 4"-6" FOR BICYCLE FACILITIES CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL RxR LINE WHITE 16" STOP OR TRANSVERSE BAR WHITE 24"	10'-30'/SP SKIP LINE UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES. 10' 30' 4" / 6" YELLOW OR WHITE	2'-6'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS. 2' 6' 4" / 6" YELLOW OR WHITE	STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
	3'-3'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS. 3' 3' 8" / 12" WHITE	3'-9'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES. 3' 9' 4" / 6" WHITE	
GENERAL NOTES: 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER. 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE. 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.		ROADWAY DETAIL DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS	
		SHEET 1 OF 2 1205D01	



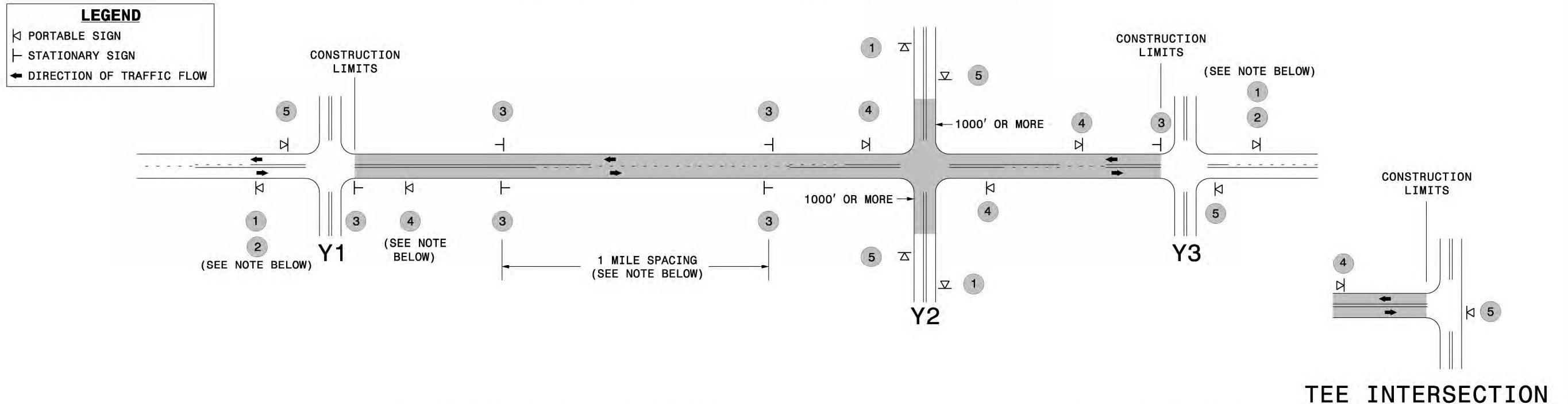
Signed By: Matthew V. Springer, P.E.
BC60F6E8-8537-4026-9753-2026

CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: M.V. SPRINGER DATE: 2-15-24
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

SIGNING FOR ASPHALT SURFACE TREATMENT



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1 ROAD WORK AHEAD W20-1 48" X 48" 2 NEXT XX MILES 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. - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS.	STATIONARY SIGNING NOT REQUIRED 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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK. ROAD WORK AHEAD W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. ROAD WORK AHEAD W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.
	3 LOOSE GRAVEL W8-7 48" X 48" UNMARKED PAVEMENT SP 48" X 48" - ALTERNATE THE FOLLOWING TWO SIGNS: - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4 ROAD UNDER CONST SP 13106 48" X 48" - 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.	
	5 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.	
	THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.	
MAPS LESS THAN 2 MILES	FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.	

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT
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