

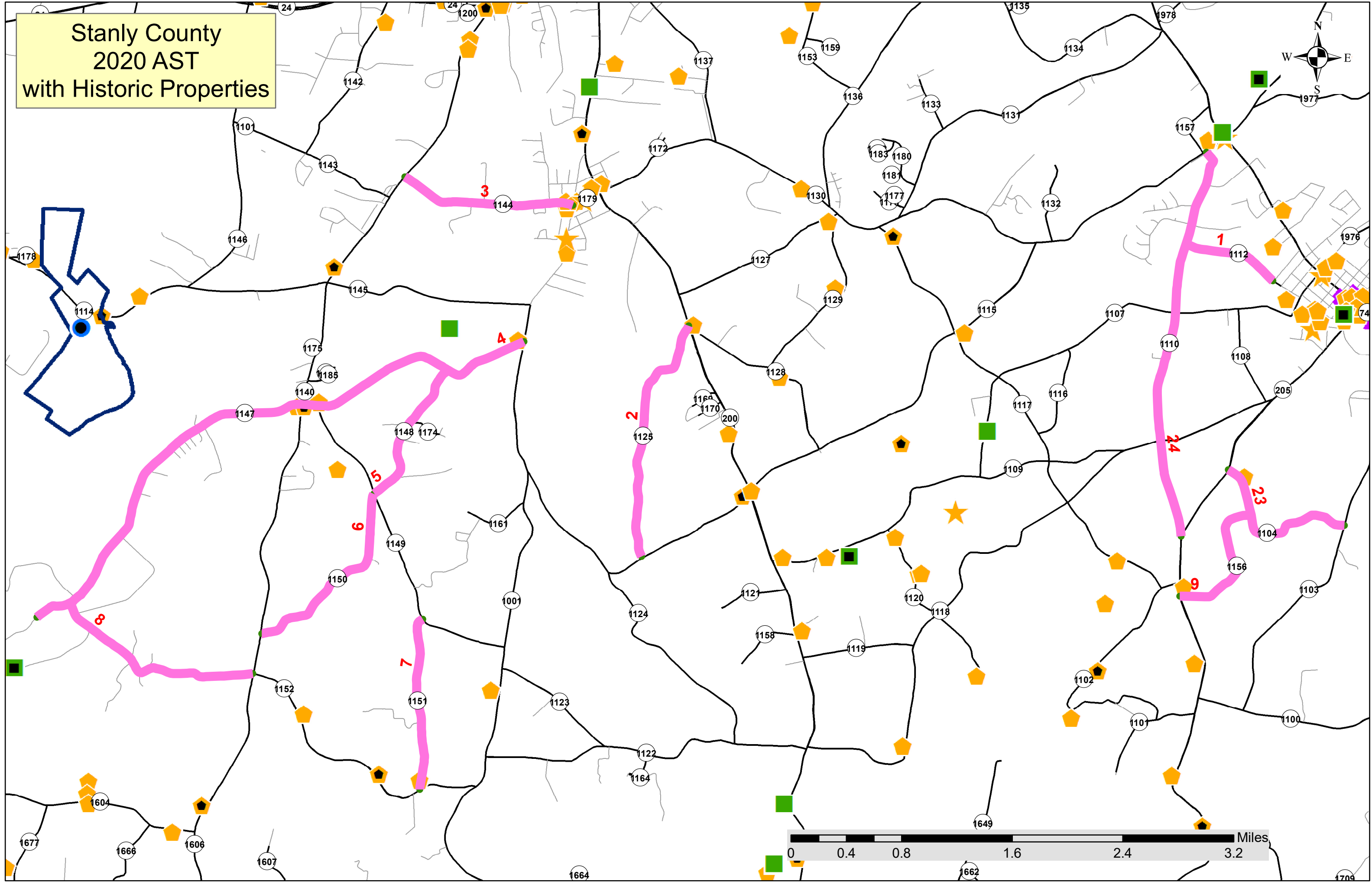
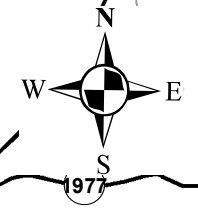
PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.10.05.20842	1	7

SUMMARY OF QUANTITIES

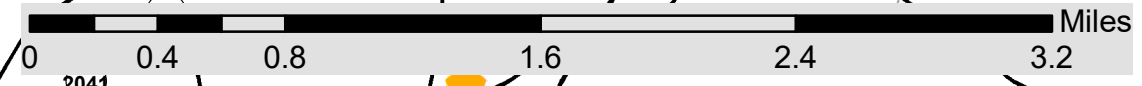
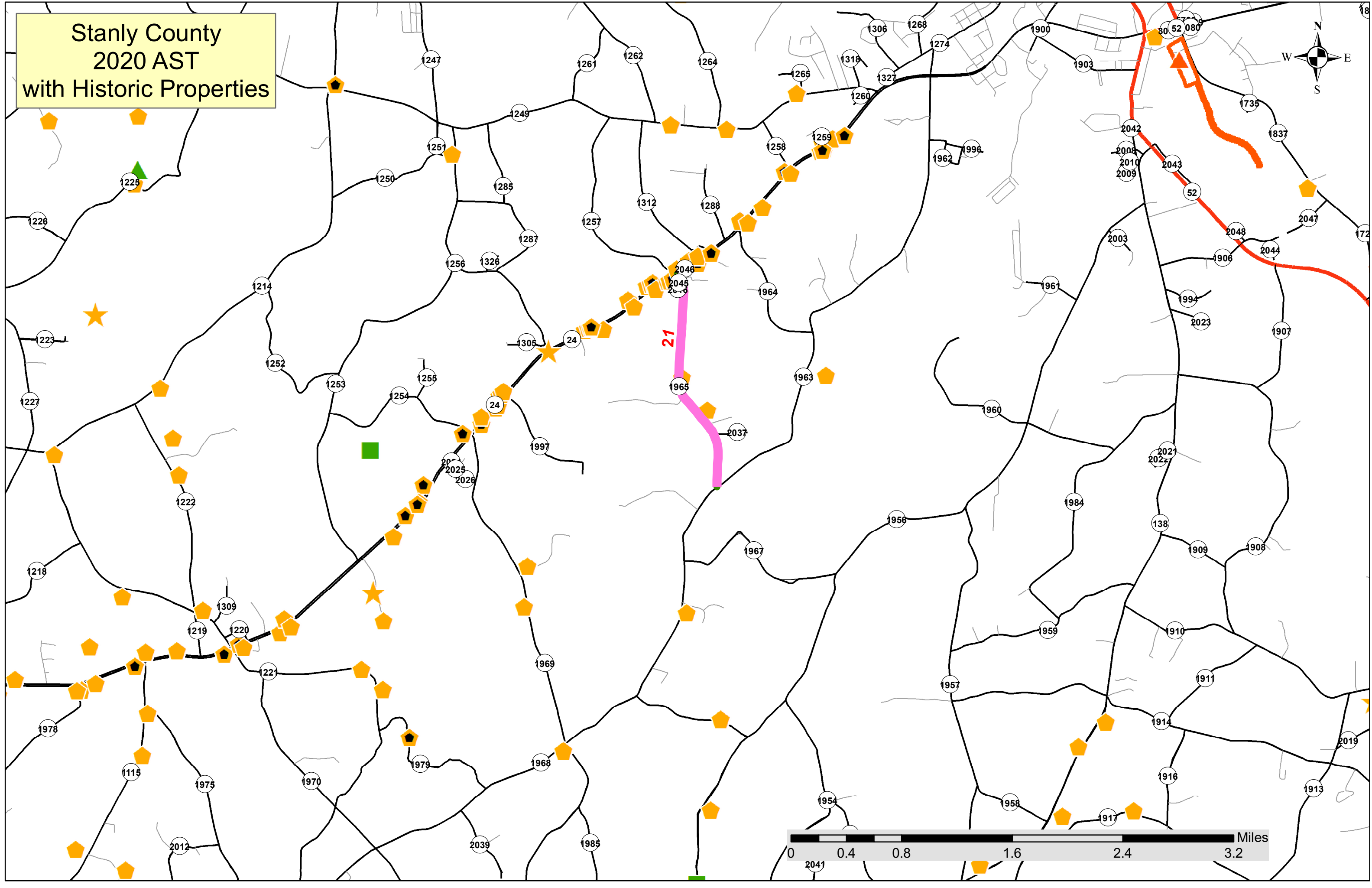
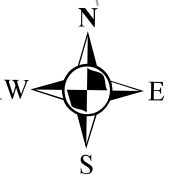
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LANES	BEGIN MP	END MP	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1803500000-E	1838000000-E	2143000000-E	4413000000-E	4457000000-N		
												ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	BLOTTING SAND	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL		
												SY	GAL	TON	SF	LS		
2020CPT.10.05.20842	Stanly	1	HURLEY RD (SR 1112)	FROM SWIFT RD (SR 1110) TO THE OAKBORO CITY LIMITS	2	0.00	0.71	NO	NO	0.71	18	7,498	4,124			40		
TOTAL FOR MAP NO. 1												7,498	4,124			40		
2020CPT.10.05.20842	Stanly	2	HARVEL RD (SR 1125)	FROM NC 200 TO OAK GROVE RD (SR 1115)	2	0.00	1.83	NO	NO	1.83	20	21,472	11,810			40		
TOTAL FOR MAP NO. 2												1.83	21,472	11,810			40	
2020CPT.10.05.20842	Stanly	3	WEST STANLY ST (SR 1144)	FROM RENEE FORD RD (SR 1140) TO LOVE CHAPEL RD (SR 1179)	2	0.00	1.28	NO	NO	1.28	20	15,019	8,260			40		
TOTAL FOR MAP NO. 3												1.28	15,019	8,260			40	
2020CPT.10.05.20842	Stanly	4	POLK FORD RD (SR 1147)	FROM LOVE MILL RD (SR 1001) TO THE END OF MAINTENANCE	2	0.00	4.49	NO	NO	4.49	20	52,683	28,975			225		
TOTAL FOR MAP NO. 4												4.49	52,683	28,975			225	
2020CPT.10.05.20842	Stanly	5	SMITH RD (SR 1148)	FROM POLK FORD RD (SR 1147) TO TALLEY RD (SR 1149)	2	0.00	1.11	NO	NO	1.11	18	11,722	6,447			40		
TOTAL FOR MAP NO. 5												1.11	11,722	6,447			40	
2020CPT.10.05.20842	Stanly	6	SMITH RD (SR 1150)	FROM TALLEY RD (SR 1149) TO RENEE FORD RD (SR 1140)	2	0.00	1.47	NO	NO	1.47	20	17,248	9,486			40		
TOTAL FOR MAP NO. 6												1.47	17,248	9,486			40	
2020CPT.10.05.20842	Stanly	7	YOW RD (SR 1151)	FROM TALLEY RD (SR 1149) TO TITE RD (SR 1152)	2	0.00	1.26	NO	NO	1.26	20	14,784	8,131			40		
TOTAL FOR MAP NO. 7												1.26	14,784	8,131			40	
2020CPT.10.05.20842	Stanly	8	TITE RD (SR 1152)	FROM POLK FORD RD (SR 1147) TO RENEE FORD RD (SR 1140)	2	0.00	1.57	NO	NO	1.57	20	18,421	10,132			40		
TOTAL FOR MAP NO. 8												1.57	18,421	10,132			40	
2020CPT.10.05.20842	Stanly	9	MINERAL SPRINGS RD (SR 1156)	FROM NC 205 TO BRANCH RD (SR 1104)	2	0.00	1.05	NO	NO	1.05	20	12,320	6,776			40		
TOTAL FOR MAP NO. 9												1.05	12,320	6,776			40	
2020CPT.10.05.20842	Stanly	10	LANIER RD (SR 1765)	FROM FORK RD (SR 1766) TO US 52	2	0.37	1.27	NO	NO	0.9	20	10,560	5,808			40		
TOTAL FOR MAP NO. 10												0.9	10,560	5,808			40	
2020CPT.10.05.20842	Stanly	11	FORK RD (SR 1765)	FROM US 52 TO FORK RD (SR 1766)	2	0.00	0.37	NO	NO	0.37	20	4,341	2,388			40		
TOTAL FOR MAP NO. 11												0.37	4,341	2,388			40	
2020CPT.10.05.20842	Stanly	12	FORK RD (SR 1766)	FROM LANIER RD (SR 1765) TO THE END OF MAINTENANCE	2	0.00	3.46	NO	NO	3.46	20	40,480	22,264			167		
TOTAL FOR MAP NO. 12												3.46	40,480	22,264			167	
2020CPT.10.05.20842	Stanly	13	LAKE TILLERY RD (SR 1803)	FROM NC 24/27 TO THE END OF MAINTENANCE	2	0.00	1.70	NO	NO	1.7	20	19,947	10,971			40		
TOTAL FOR MAP NO. 13												1.7	19,947	10,971			40	
2020CPT.10.05.20842	Stanly	14	SWIFT ISLAND RD (SR 1804)	FROM LAKE TILLERY RD (SR 1803) TO THE DEAD END	2	0.00	0.21	NO	NO	0.21	20	2,464	1,355			40		
TOTAL FOR MAP NO. 14												0.21	2,464	1,355			40	
2020CPT.10.05.20842	Stanly	15	SWIFT WATER RD (SR 1814)	FROM LAKE TILLERY RD (SR 1803) TO THE END OF MAINTENANCE	2	0.00	0.07	NO	NO	0.07	18	739	407			40		
TOTAL FOR MAP NO. 15												0.07	739	407			40	
2020CPT.10.05.20842	Stanly	16	RIVERSIDE DR (SR 1825)	FROM LAKE TILLERY RD (SR 1803) TO THE END OF MAINTENANCE	2	0.00	0.05	NO	NO	0.05	18	528	290			40		
TOTAL FOR MAP NO. 16												0.05	528	290			40	
2020CPT.10.05.20842	Stanly	17	RIVERVIEW RD (SR 1927)	FROM EAST NORWOOD CITY LIMITS TO MT ZION CH RD (SR 1934)	2	1.88	3.17	NO	NO	1.29	18	13,622	7,492			40		
TOTAL FOR MAP NO. 17												1.29	13,622	7,492			40	
2020CPT.10.05.20842	Stanly	18	KENDALL ST (SR 1927)	FROM WILLOUGHBY DR TO EAST NORWOOD CITY LIMITS	2	0.72	1.88	NO	NO	1.16	18	12,250	6,737			40		
TOTAL FOR MAP NO. 18												1.16	12,250	6,737			40	
2020CPT.10.05.20842	Stanly	19	BRICKYARD RD (SR 1927)	FROM SOUTH STANLY SCHOOL RD (SR 1923) TO WILLOUGHBY DR	2	0.00	0.72	NO	NO	0.72	20	8,448	4,646			40		
TOTAL FOR MAP NO. 19												0.72	8,448	4,646			40	
2020CPT.10.05.20842	Stanly	20	ROCKY RIVER SPRINGS RD (SR 1940)	FROM PLANK RD (SR 1935) TO COTTONVILLE RD (SR 1918)	2	0.00	2.53	NO	NO	2.53	20	29,685	16,327			167		
TOTAL FOR MAP NO. 20												2.53	29,685	16,327			167	
2020CPT.10.05.20842	Stanly	21	CARRIKER RD (SR 1965)	FROM NC 24/27 TO ST MARTIN RD (SR 1963)	2	0.00	1.64	NO	NO	1.64	20	19,243	10,583			40		
TOTAL FOR MAP NO. 21												1.64	19,243	10,583			40	
2020CPT.10.05.20842	Stanly	22	DUNLAP RD (SR 1736)	FROM NC 24/27 TO THE END OF MAINTENANCE	2	0.00	0.92	NO	NO	0.92	20	10,795	5,937			40		
TOTAL FOR MAP NO. 22												0.92	10,795	5,937			40	
2020CPT.10.05.20842	Stanly	23	BRANCH RD (SR 1104)	FROM ROCKY RIVER RD (SR 1103) TO NC 205	2	0.00	1.23	NO	NO	1.23	18	12,989	7,144			40		
TOTAL FOR MAP NO. 23												1.23	12,989	7,144			40	
2020CPT.10.05.20842	Stanly	24	SWIFT RD (SR 1110)	FROM NC 205 TO BIG LICK RD (SR 1115)	2	0.00	2.89	NO	NO	2.89	18	30,518	16,785			167		
TOTAL FOR MAP NO. 24												2.89	30,518	16,785			167	
2020CPT.10.05.20842	Stanly	25	LISENBY RD (SR 1808)	FROM FORK RD (SR 1766) TO THE END OF MAINTENANCE	2	0.00	0.64	NO	NO	0.64	18	6,758	3,717			40		
TOTAL FOR MAP NO. 25												0.64	6,758	3,717			40	
TOTAL FOR PROJ NO. 2020CPT.10.05.20842												34.55	394,534	216,992			1,566	
GRAND TOTAL												34.55	394,534	216,992	20.00		1,566	1

NOTE: The Contractor shall not park equipment or work outside of the existing right of way in Historic Areas.

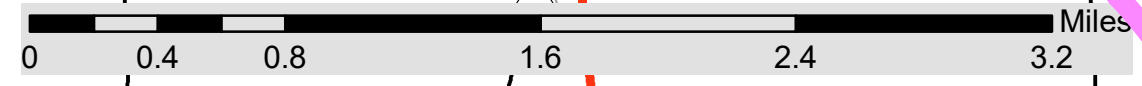
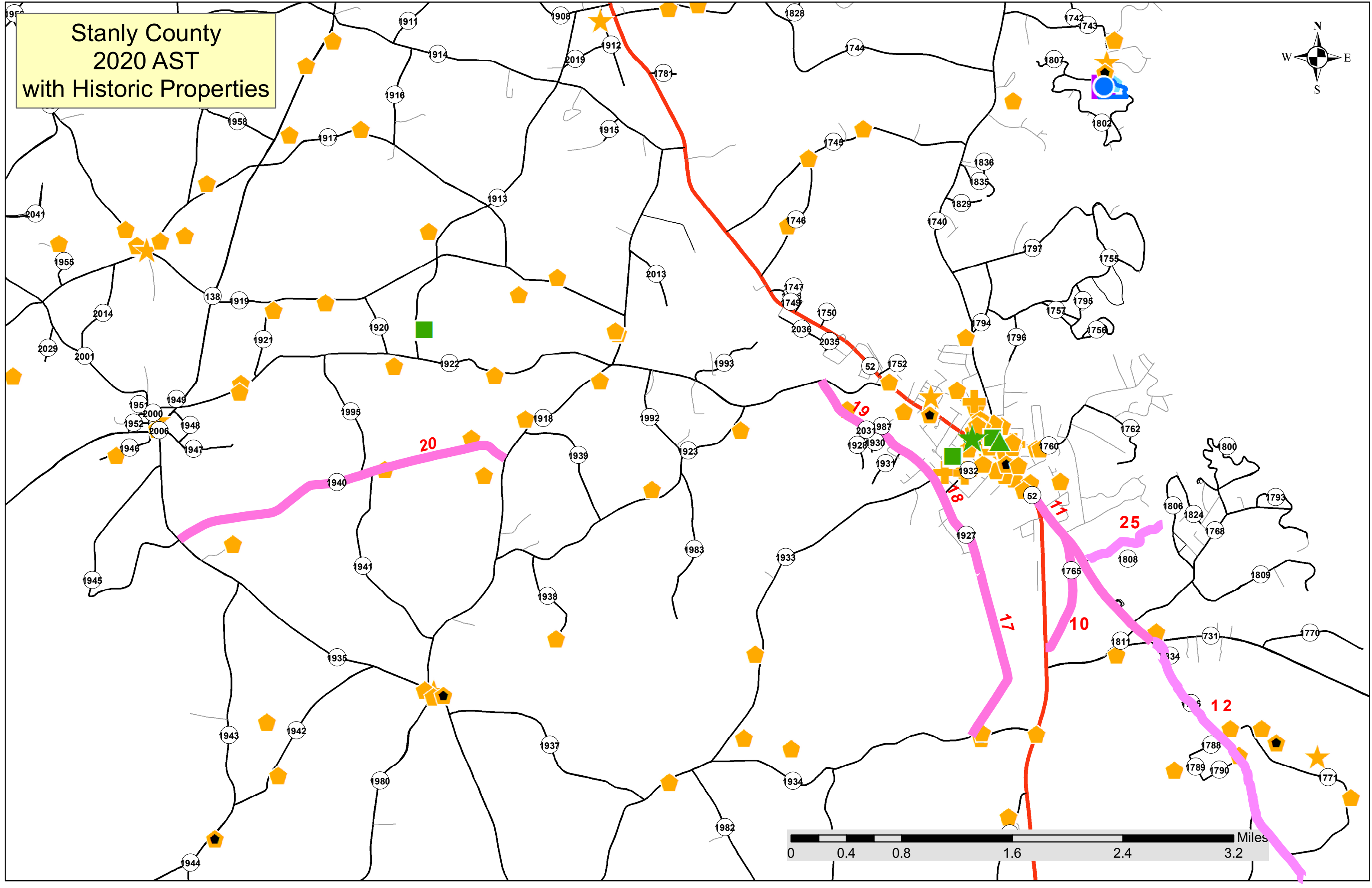
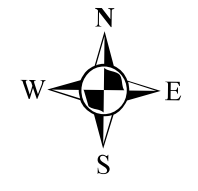
Stanly County
2020 AST
with Historic Properties



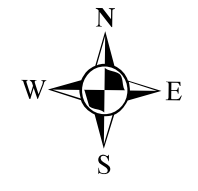
Stanly County
2020 AST
with Historic Properties



Stanly County
2020 AST
with Historic Properties



Stanly County
2020 AST
with Historic Properties



ST0771 Kirk-Milton
House 2013

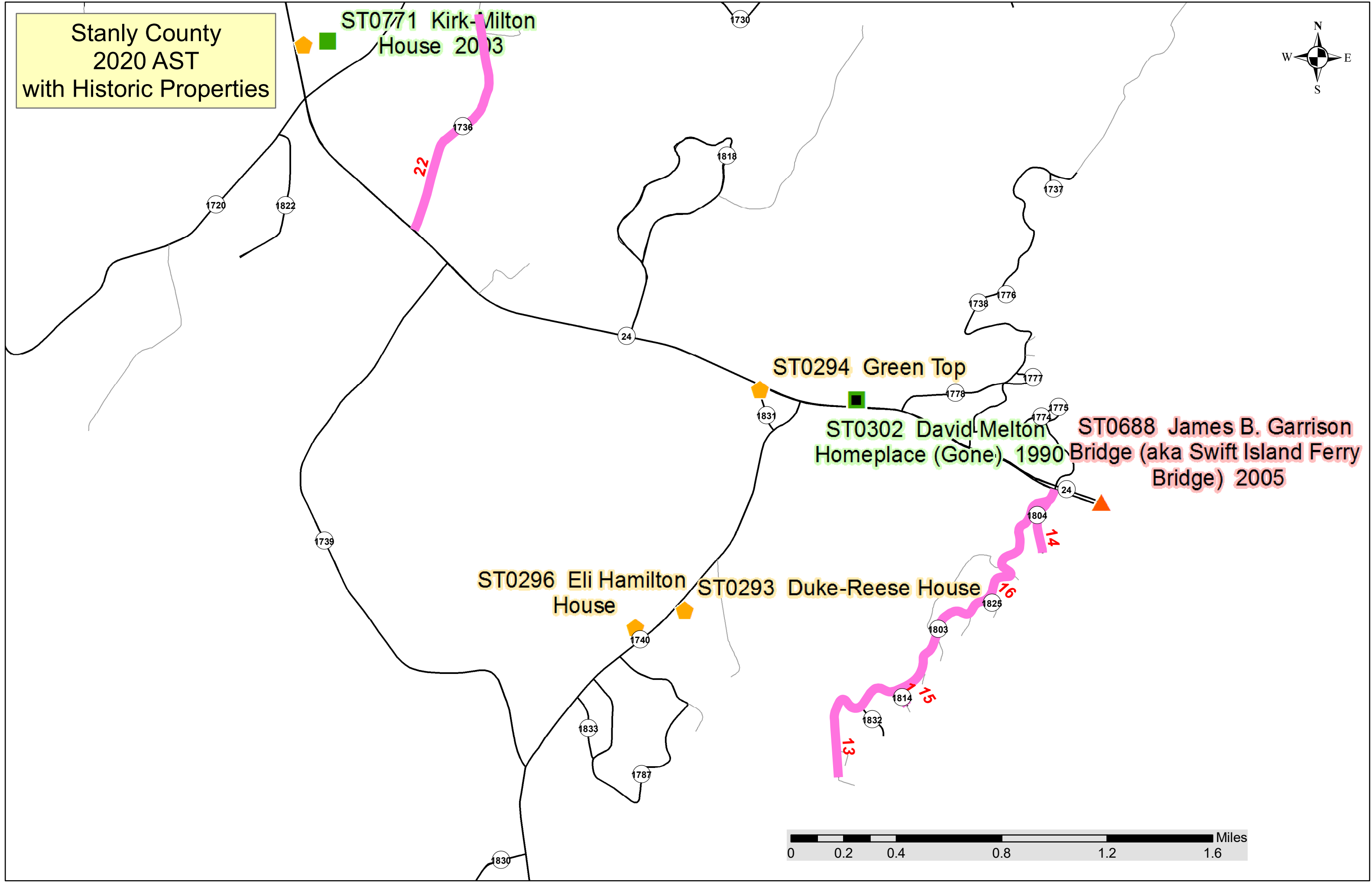
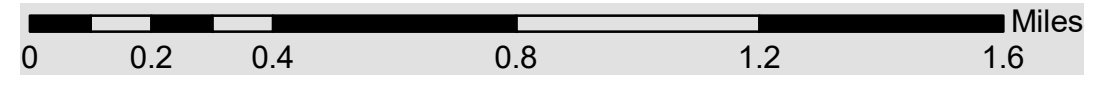
ST0294 Green Top

ST0302 David Melton
Homeplace (Gone) 1990

ST0688 James B. Garrison
Bridge (aka Swift Island Ferry
Bridge) 2005

ST0296 Eli Hamilton
House

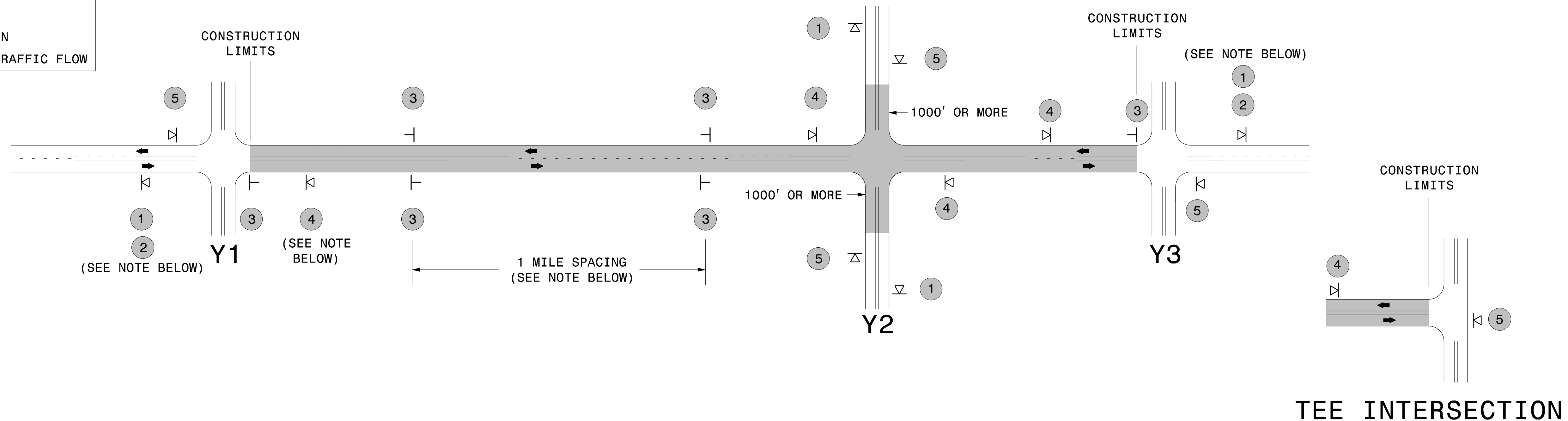
ST0293 Duke-Reese House



SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

⏏ PORTABLE SIGN
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



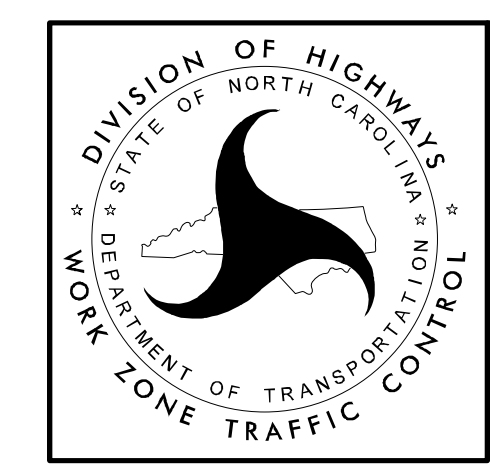
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

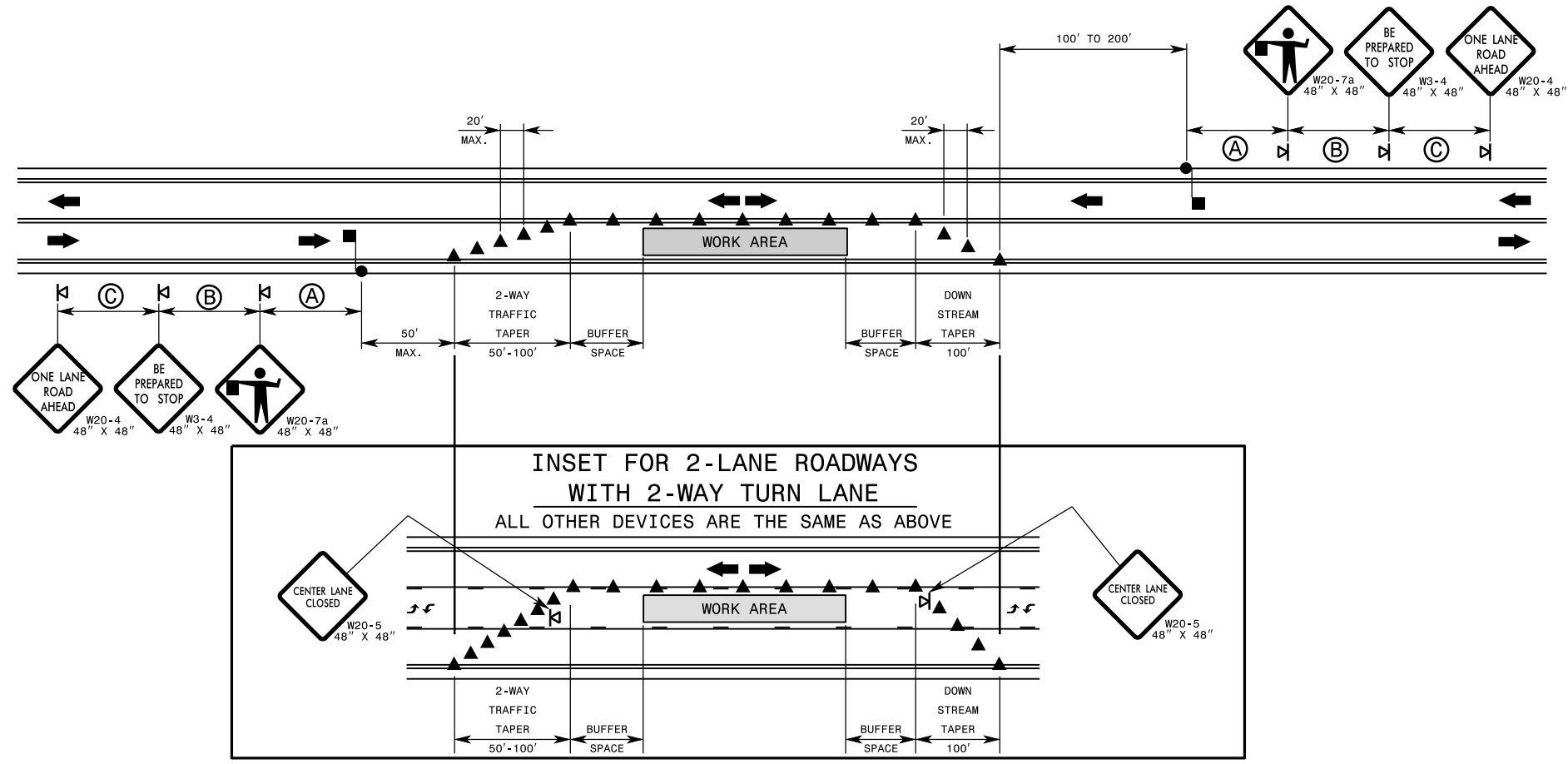
SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 	<ul style="list-style-type: none"> - PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS. 	<p>STATIONARY SIGNING NOT REQUIRED 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>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.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	3	 	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION. 	
	<p>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.</p>			

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.



ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT



GENERAL NOTES FOR FLAGGING OPERATIONS

- REFER TO RSD. 1101.11, SHEETS 1 & 4, FOR "L" DISTANCE AND SIGN SPACING.
- INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC.
- REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- PLACE CONES THRU THE WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER (REFER TO RSD. 1101.11, SHEET 2).
- DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
- DRUMS OR SKINNY DRUMS MAY BE USED IN LIEU OF CONES. REFER TO RSD. 1180.01 FOR SKINNY DRUM REQUIREMENTS.
- USE FLAGGERS TO CONTROL TRAFFIC AT INTERSECTIONS AFFECTED BY THE LANE CLOSURE. SUPPLEMENT FLAGGERS LOCATED AT INTERSECTIONS WITH FLAGGER AHEAD SIGNS (W20-7a) PLACED APPROXIMATELY 250 FT. IN ADVANCE OF THE FLAGGER. FOR SIGNALIZED INTERSECTIONS PLACE SIGNALS IN THE FLASH MODE AND USE LAW ENFORCEMENT.
- REFER TO THE CURRENT MUTCD FOR FLAGGER CONTROL, REQUIREMENTS, AND PROCEDURES.
- DO NOT EXCEED A 1 MILE LANE CLOSURE LENGTH UNLESS OTHERWISE SHOWN IN THE TMP OR AS DIRECTED BY THE ENGINEER.

- IF VEHICLE QUEUES WILL REACH WITHIN 15' OF EITHER SIDE OF ACTIVE RAILROAD TRACKS, PROVIDE A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER TO PREVENT VEHICLES FROM STOPPING WITHIN THE GRADE CROSSING. PROVIDE OFFICER OR FLAGGER EVEN IF AUTOMATIC WARNING MEASURES ALREADY EXIST.

GENERAL NOTES FOR PILOT CAR OPERATIONS

- USE PILOT CARS WHEN DIRECTED BY THE ENGINEER.
- IF ROADWAY WIDTH IS LESS THAN 22 FEET (EOP TO EOP), CONES MAY NOT BE REQUIRED ALONG WORK AREA, AND AT THE DISCRETION OF THE ENGINEER, CONES MAY BE OMITTED ALONG THE WORK AREA IF USING A PILOT CAR.
- CONES ARE ALWAYS REQUIRED IN THE UPSTREAM AND DOWNSTREAM TAPERS.
- MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A CONSPICUOUS POSITION ON THE REAR OF THE PILOT VEHICLE.
- DO NOT INSTALL MORE THAN ONE (1) MILE OF LANE CLOSURE, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.

