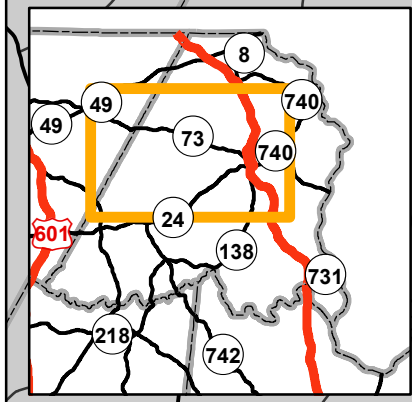
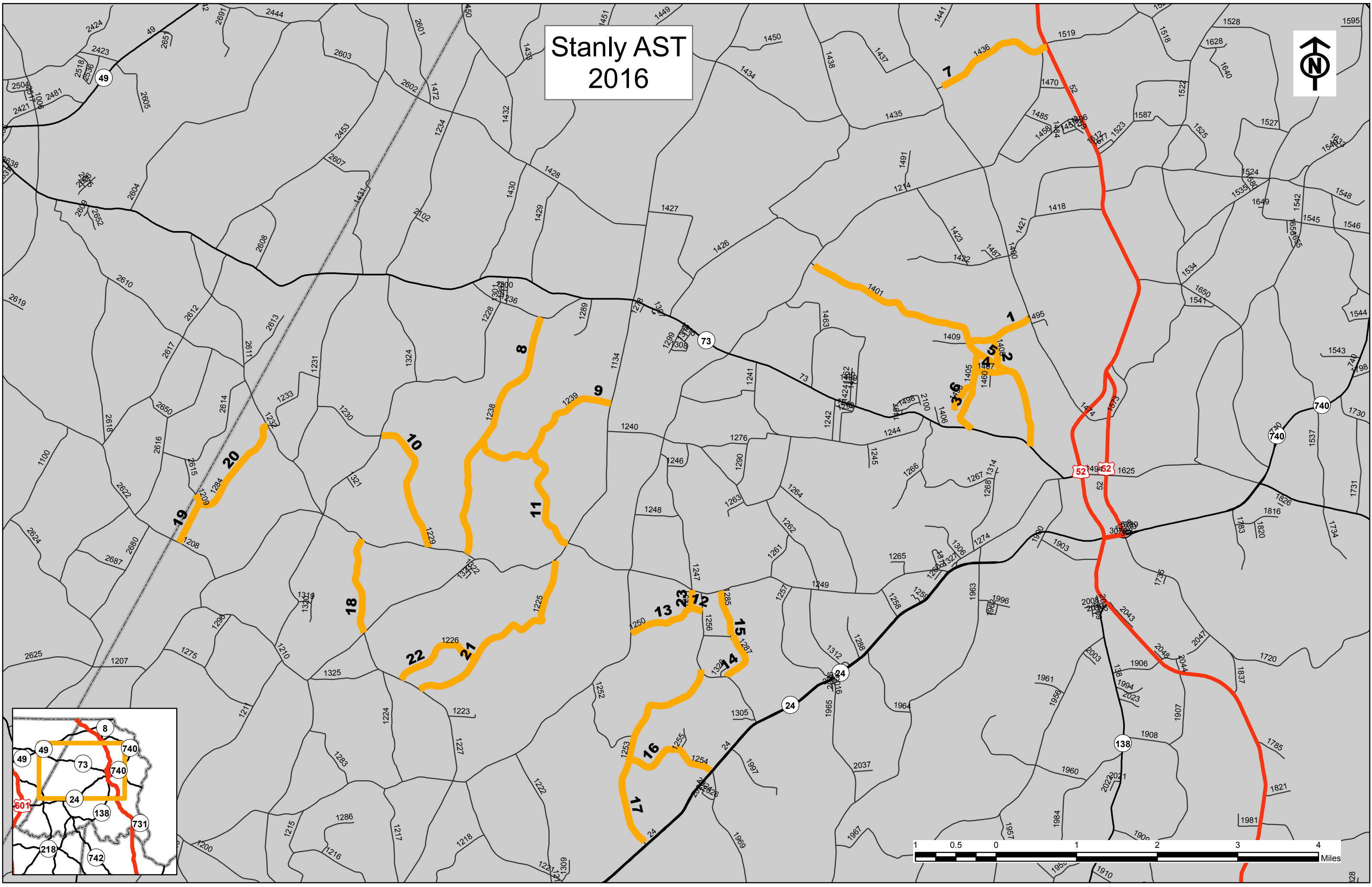


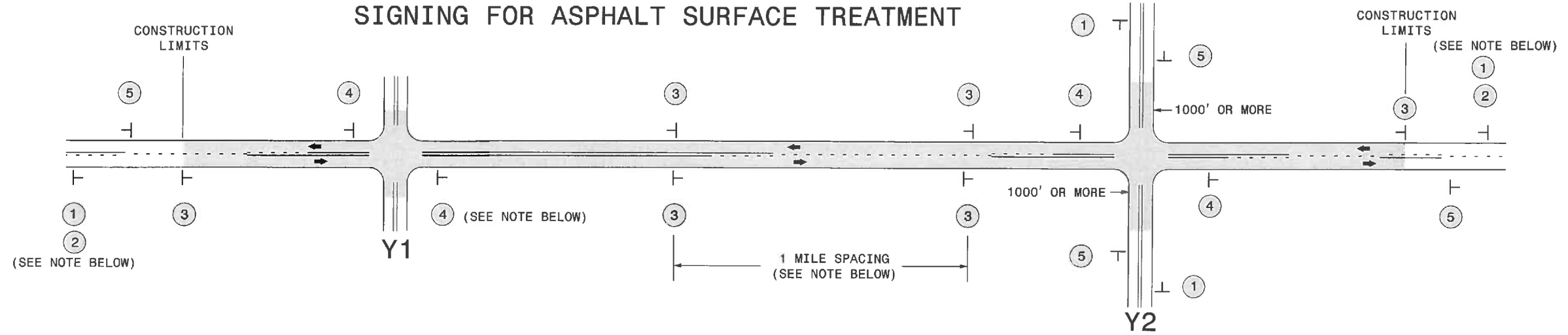
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL	BLOTTING SAND TON	WORK ZONE ADVANCE/ GENERAL WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS
2016CPT.10.43.20842.3	Stanly	1	MANN RD (SR 1409)	FROM OLD SALISBURY RD (SR 1400) TO PENNINGTON RD (SR 1401)	2	NO	NO	0.83	18	8,765	4,821		80	
TOTAL FOR MAP NO. 1														
2016CPT.10.43.20842.3	Stanly	2	CHARLIE RD (SR 1408)	FROM PENNINGTON RD (SR 1401) TO MANN RD (SR 1409)	2	NO	NO	0.34	18	3,590	1,975		64	
TOTAL FOR MAP NO. 2														
2016CPT.10.43.20842.3	Stanly	3	OLD PARKER RD (SR 1405)	PENNINGTON RD (SR 1401) TO NC 73	2	NO	NO	1.03	16	9,668	5,318		80	
TOTAL FOR MAP NO. 3														
2016CPT.10.43.20842.3	Stanly	4	HOBE RD (SR 1407)	FROM OLD PARKER RD (SR 1405 TO PENNINGTON RD (SR 1401)	2	NO	NO	0.4	16	3,755	2,065		64	
TOTAL FOR MAP NO. 4														
2016CPT.10.43.20842.3		5	PENNINGTON RD (SR 1401)	FROM NC 73 TO AUSTIN RD (1214)	2	NO	NO	3.92	16	36,796	20,238		182	
TOTAL FOR MAP NO. 5														
2016CPT.10.43.20842.3	Stanly	6	APEX RD (SR 1493)	FROM OLD PARKER (SR 1405) TO END OF MAINTENANCE	2	NO	NO	0.4	20	4,693	2,581		64	
TOTAL FOR MAP NO. 6														
2016CPT.10.43.20842.3	Stanly	7	HENDERSON RD (SR 1436)	FROM OLD SALISBURY RD (SR 1400) TO AUSTIN RD (SR 1214)	2	NO	NO	1.54	20	18,069	9,938		176	
TOTAL FOR MAP NO. 7														
2016CPT.10.43.20842.3	Stanly	8	FLINT RIDGE RD (SR 1238)	FROM OLD CONCORD RD (SR 1236) TO FIVE POINT RD (SR 1206)	2	NO	NO	3.26	20	38,251	21,038		182	
TOTAL FOR MAP NO. 8														
2016CPT.10.43.20842.3	Stanly	9	BILES RD (SR 1239)	FROM MILLINGPORT RD (SR 1134) TO FLINT RIDGE RD (SR 1238)	2	NO	NO	2.09	18	22,070	12,139		80	
TOTAL FOR MAP NO. 9														
2016CPT.10.43.20842.3	Stanly	10	POLE RUNNING RD (SR 1229)	FROM FIVE POINT RD (SR 1206) TO ROWLAND RD (SR 1228)	2	NO	NO	1.72	20	20,181	11,100		176	
TOTAL FOR MAP NO. 10														
2016CPT.10.43.20842.3	Stanly	11	CANTON RD (SR 1249)	FROM BILES RD (SR 1239) TO MILLINGPORT RD (SR 1134)	2	NO	NO	1.41	20	16,544	9,099		80	
TOTAL FOR MAP NO. 11														
2016CPT.10.43.20842.3	Stanly	12	RAMSEY RD (SR 1251)	FROM ENDY RD (SR 1256) TO MCSWAIN RD (SR 1247)	2	NO	NO	0.15	16	1,408	774		80	
TOTAL FOR MAP NO. 12														
2016CPT.10.43.20842.3	Stanly	13	RAMSEY RD (SR 1250)	FROM MCSWAIN RD (SR 1247) TO AUSTIN RD (SR 1214)	2	NO	NO	0.84	20	9,856	5,421		80	
TOTAL FOR MAP NO. 13														
2016CPT.10.43.20842.3	Stanly	14	HELMS RD (SR 1287)	FROM ENDY RD (SR 1256) TO APRIL LN (SR 1285)	2	NO	NO	0.68	20	7,979	4,388		56	
TOTAL FOR MAP NO. 14														
2016CPT.10.43.20842.3	Stanly	15	APRIL LN (SR 1285)	FROM CANTON RD (SR 1249) TO HELMS RD (SR 1287)	2	NO	NO	0.58	20	6,805	3,743		56	
TOTAL FOR MAP NO. 15														
2016CPT.10.43.20842.3	Stanly	16	CHEROKEE RD (SR 1254)	FROM SAM RD (SR 1253) TO NC 24/27	2	NO	NO	1.24	20	14,549	8,002		80	
TOTAL FOR MAP NO. 16														
2016CPT.10.43.20842.3	Stanly	17	SAM RD (SR 1253)	FROM ENDY RD (SR 1256) TO NC 24/27	2	NO	NO	2.72	20	31,915	17,553		182	
TOTAL FOR MAP NO. 17														
2016CPT.10.43.20842.3	Stanly	18	RIDGECREST RD (SR 1227)	FROM FIVE POINT RD (SR 1206) TO MILLINGPORT RD (SR 1134)	2	NO	NO	1.22	20	14,315	7,873		112	
TOTAL FOR MAP NO. 18														
2016CPT.10.43.20842.3	Stanly	19	LEWIS RD (SR 1209)	FROM BARRIER STORE RD (SR 1208) TO THE CABARRUS COUNTY LINE	2	NO	NO	0.71	20	8,331	4,582		80	
TOTAL FOR MAP NO. 19														
2016CPT.10.43.20842.3	Stanly	20	HERRON GROVE RD (SR 1284)	FROM LEWIS RD (SR 1209) TO LAMBERT RD (SR 1232)	2	NO	NO	1.4	20	16,427	9,035		176	
TOTAL FOR MAP NO. 20														
2016CPT.10.43.20842.3	Stanly	21	OLD MILL RD (SR 1225)	FROM RIDGECREST RD (SR 1227) TO MILLINGPORT RD (SR 1134)	2	NO	NO	2.7	20	31,680	17,424		182	
TOTAL FOR MAP NO. 21														
2016CPT.10.43.20842.3	Stanly	22	DUSTY RD (SR 1226)	FROM RIDGECREST RD (SR 1227) TO OLD MILL RD (SR 1225)	2	NO	NO	1.17	20	13,728	7,550		80	
TOTAL FOR MAP NO. 22														
2016CPT.10.43.20842.3	Stanly	23	MCSWAIN RD (SR 1251)	FROM RAMSEY RD (SR 1250) TO CANTON RD (SR 1249)	2	NO	NO	0.22	18	2,323	1,278		80	
TOTAL FOR MAP NO. 23														
TOTAL FOR PROJ NO. 2016CPT.10.43.20842.3								30.57		341,698	187,935	20.00	2,472	1
GRAND TOTAL								30.57		341,698	187,935	20.00	2,472	1

Stanly AST 2016



SIGNING FOR ASPHALT SURFACE TREATMENT



LEGEND	
—	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
	②		#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)
	③	 	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. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.
	④		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		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

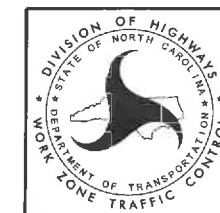
NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

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

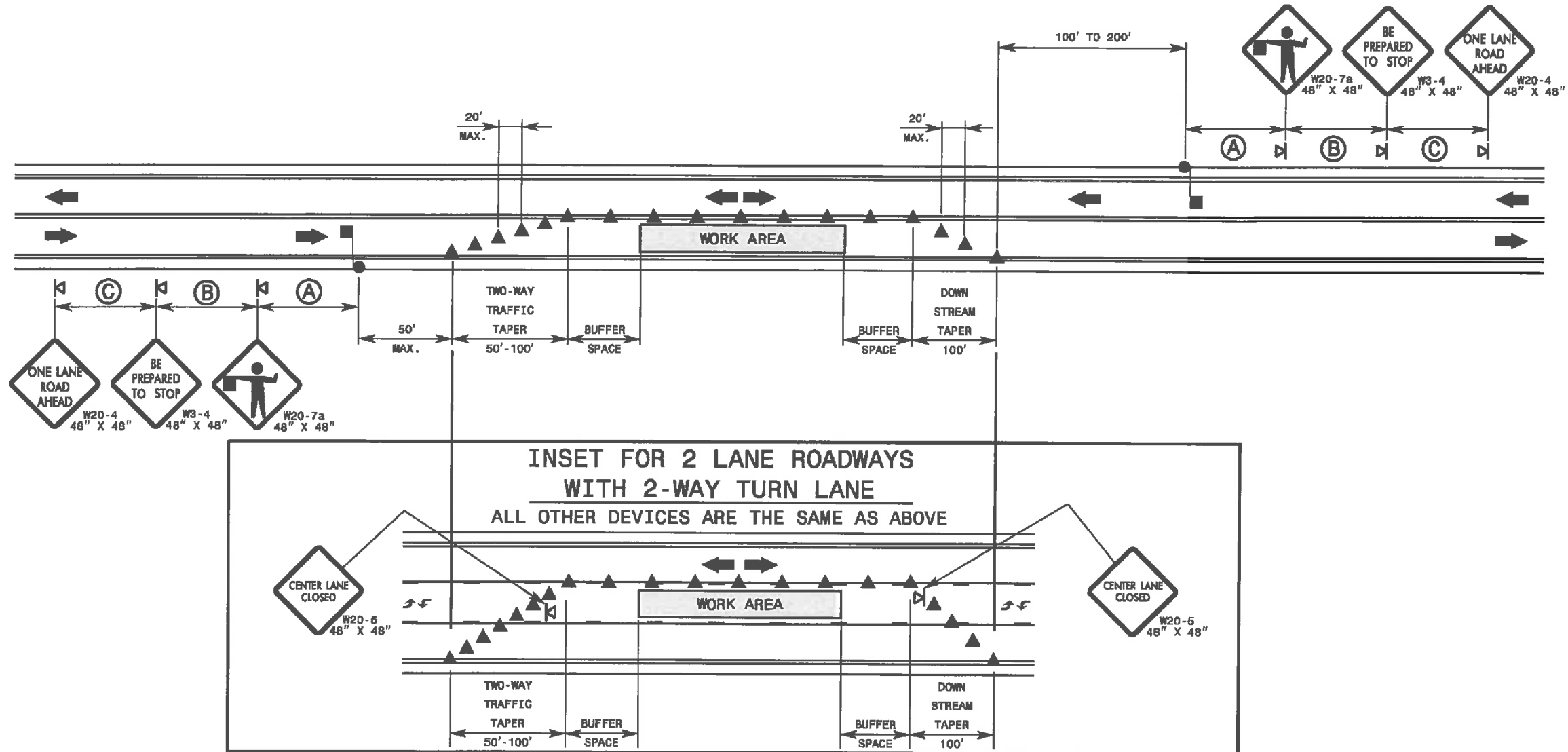
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



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



ADVANCE WARNING SIGNS FOR ASPHALT SURFACE TREATMENTS 2 LANE ROADWAYS



GENERAL NOTES FOR FLAGGER OPERATIONS

- 1- REFER TO STD. 1101.11 SHEET 4 FOR SIGN SPACING.
- 2- INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC.
- 3- REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 4- PLACE CONES THRU THE WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- 5- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER (REFER TO STD. 1101.11 SHEET 2).
- 6- DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
- 7- DRUMS OR SKINNY-DRUMS MAY BE USED IN LIEU OF CONES. REFER TO ROADWAY STANDARD DRAWING 1180.01 FOR SKINNY-DRUM REQUIREMENTS.
- 8- 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 RECOMMEND THE USE OF LAW ENFORCEMENT.
- 9- REFER TO 2009 MUTCD, CHAPTER 6, FOR FLAGGER CONTROL, REQUIREMENTS, AND PROCEDURES.
- 10- DO NOT EXCEED A 1 MILE LANE CLOSURE LENGTH UNLESS OTHERWISE SHOWN IN THE TMP OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES FOR PILOT CAR OPERATIONS

- 1- USE PILOT CARS WHEN DIRECTED BY THE ENGINEER.
- 2- 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.
- 3- CONES ARE ALWAYS REQUIRED IN THE UPSTREAM AND DOWNSTREAM TAPERS.
- 4- MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A CONSPICUOUS POSITION ON THE REAR OF THE PILOT VEHICLE.
- 5- 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.
- 6- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.

LEGEND

- FLAGGER
- CONE
- PORTABLE SIGN
- DIRECTION OF TRAFFIC FLOW