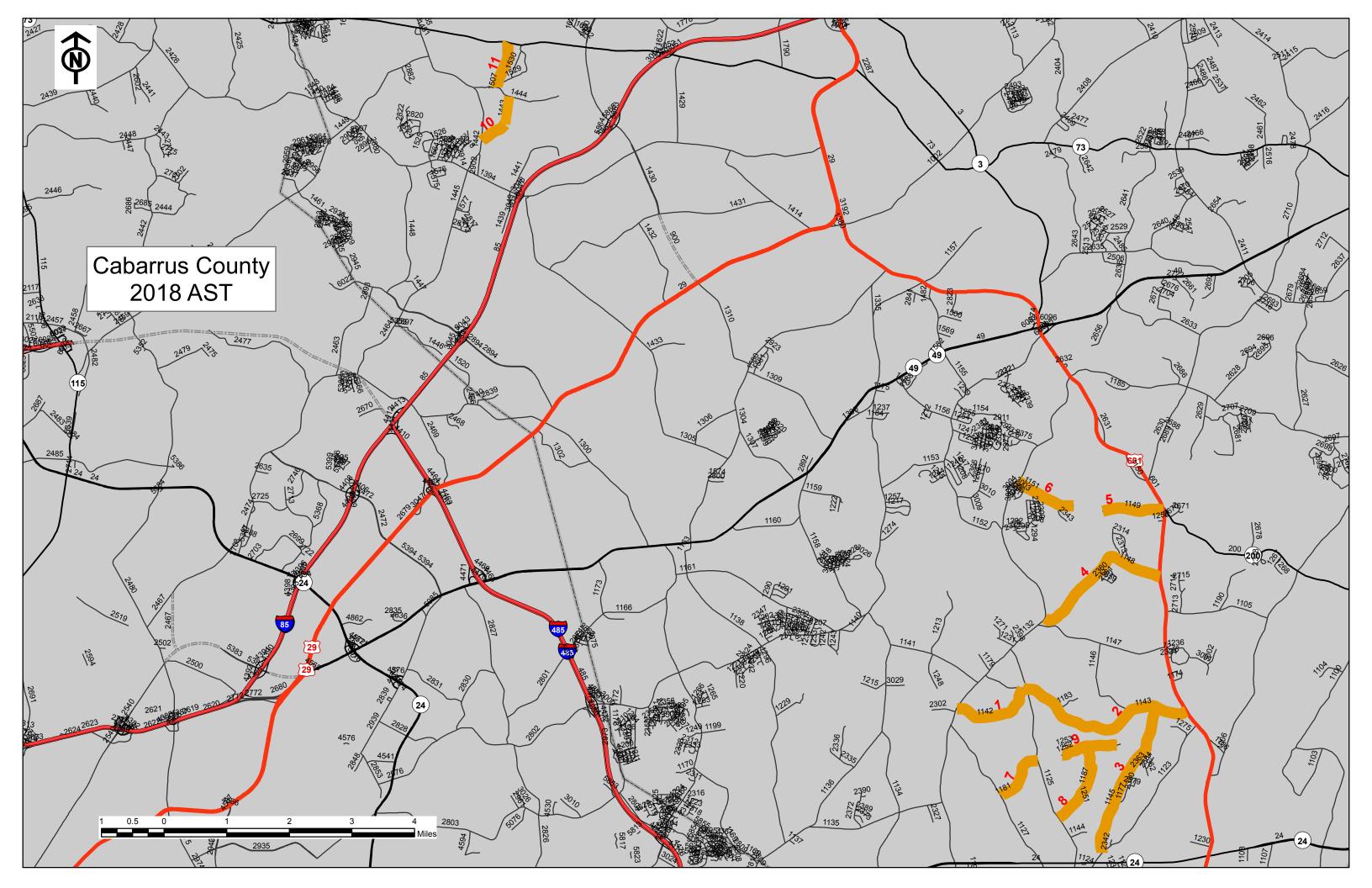
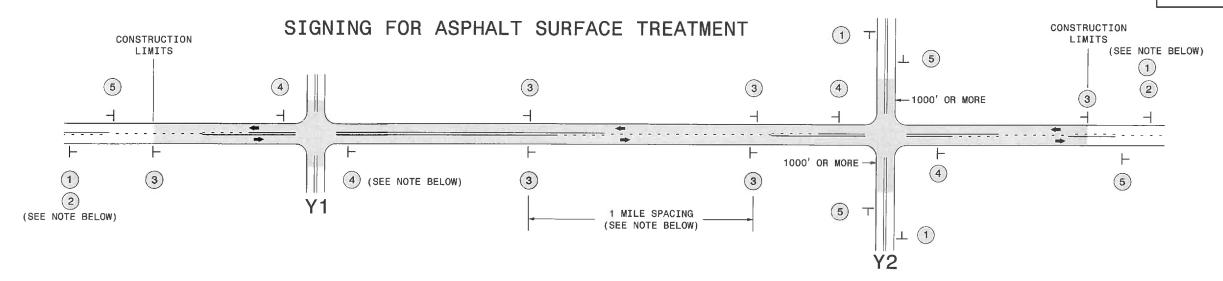
PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.10.13.20132.1	1	4

SUMMARY OF QUANTITIES

-				3 U IVI IVI A K T							1				1	1
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	LANES	BEGIN	END	FINAL SURFACE TESTING	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	BLOTTING SAND	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
								REQUIRED								
NO		NO				MP	MP			MI	FT	SY	GAL	TON	SF	LS
2017CPT.10.13.20132.1	Cabarrus	1	RUNNING BROOK RD (SR 1142)	FROM JIM KISER RD (SR 1143) TO FLOWES STORE RD (SR 1132)	2	0.65	2.01	NO	NO	1.36	18	14,362	7,899		112	
	TOTAL	FOR MAP NO	0.1							1.36		14,362	7,899		112	
2047007 40 42 20422 4	Calaanna	2	CAL DOCT DD (CD 44.42)	EDONA HAN MICED DD (CD 4442) TO LIC CO4	2	0.00	2.02	NO.	NO	2.02	40	24.007	47.500		450	
2017CPT.10.13.20132.1	Cabarrus	FOR MAP NO	CAL BOST RD (SR 1143)	FROM JIM KISER RD (SR 1142) TO US 601	2	0.00	3.03	NO	NO	3.03 3.03	18	31,997 31,997	17,598 17,598		150 150	-
	IOTAL	FOR WAP INC	J. Z							3.03		31,337	17,556		150	
2017CPT.10.13.20132.1	Cabarrus	3	TROUTMAN RD (SR 1145)	FROM JIM SOSSOMAN RD (SR 1123) TO CAL BOST RD (SR 1143)	2	0.00	2.54	NO	NO	2.54	19	28,313	15,572		112	
	TOTAL	FOR MAP NO	0. 3							2.54		28,313	15,572		112	
2017CPT.10.13.20132.1	Cabarrus	4	PARKS LAFFERTY RD (SR 1148)	FROM US 601 TO FLOWES STORE RD (SR 1132)	2	0.00	2.39	NO	NO	2.39	22	30,847	16,966		144	
2017CP1.10.13.20132.1		FOR MAP NO		FROM 03 BOT TO FLOWES STORE RD (5R 1152)		0.00	2.59	NO	NO	2.39	22	30,847	16,966		144	
2017CPT.10.13.20132.1	Cabarrus	5	BIGGERS RD (SR 1149)	FROM US 601 TO CUL DE SAC	2	0.00	0.99	NO	NO	0.99	20	11,616	6,389		56	
		FOR MAP NO	, ,							0.99	-	11,616	6,389		56	
]
2017CPT.10.13.20132.1	Cabarrus	6	SIMPLICITY RD (SR 1151)	FROM FLOWES STORE RD (SR 1132) TO THE DEAD END	2	0.00	1.01	NO	NO	1.01	20	11,851	6,518		56	
	TOTAL	FOR MAP NO	0. 6					+		1.01		11,851	6,518		56	
2017CPT.10.13.20132.1	Cabarrus	7	HELMDALE RD (SR 1181)	FROM SAM BLACK RD (SR 1127) TO BETHEL CH RD (SR 1125)	2	0.00	0.91	NO	NO	0.91	20	10,677	5,872		112	
	TOTAL	FOR MAP NO	0.7							0.91		10,677	5,872		112	1
2017CPT.10.13.20132.1	Cabarrus	8	ROBERT BOST RD (SR 1187)	FROM BETHEL CH RD (SR 1125) TO CUL DE SAC	2	0.00	1.78	NO	NO	1.78	20	20,885	11,487		56	
	TOTAL	FOR MAP NO	0. 8					+		1.78		20,885	11,487		56	
2017CPT.10.13.20132.1	Cabarrus	9	BARKLEY RD (SR 1252)	FROM ROBERT BOST RD (SR 1187) TO THE DEAD END	2	0.00	0.54	NO	NO	0.54	20	6,336	3,485		56	
	TOTAL	FOR MAP NO	0.9	, ,						0.54		6,336	3,485		56	1
]
2017CPT.10.13.20132.1	Cabarrus	10	CESSNA RD (SR 1443)	FROM ODELL SCHOOL RD (SR 1442) TO UNTZ RD (SR 1444)	2	0.00	0.91	NO	NO	0.91	20	10,677	5,872		112	
TOTAL FOR MAP NO. 10					+		0.91		10,677	5,872		112				
2017CPT.10.13.20132.1	Cabarrus	11	LA FOREST LN (SR 1507)	FROM NC 73 TO UNTZ RD (SR 1444)	2	0.00	0.75	NO	NO	0.75	20	8,800	4,840		112	
TOTAL FOR MAP NO. 11								0.75		8,800	4,840		112	1		
T	TOTAL FOR PROJ NO. 2017CPT.10.13.20132.1								16.21		186,361	102,498	20	1,078	1	
	GI	RAND TOTAL								16.21		186,361	102,498	20	1,078	1



PROJ. REFERENCE NO. SHEET NO.



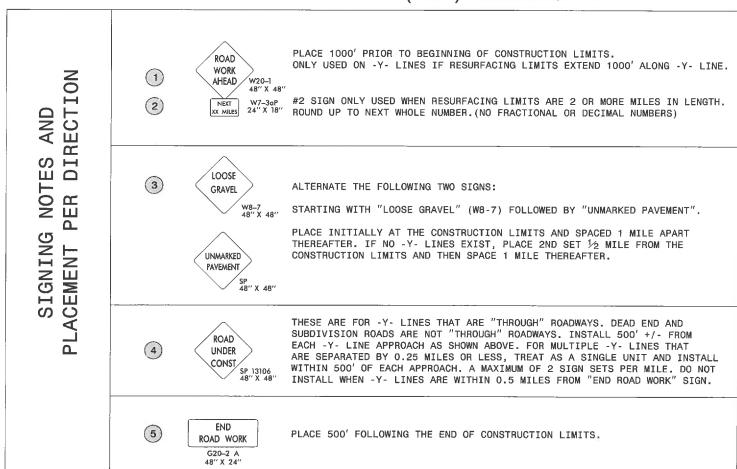
LEGEND

├─ STATIONARY SIGN

◆ DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



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

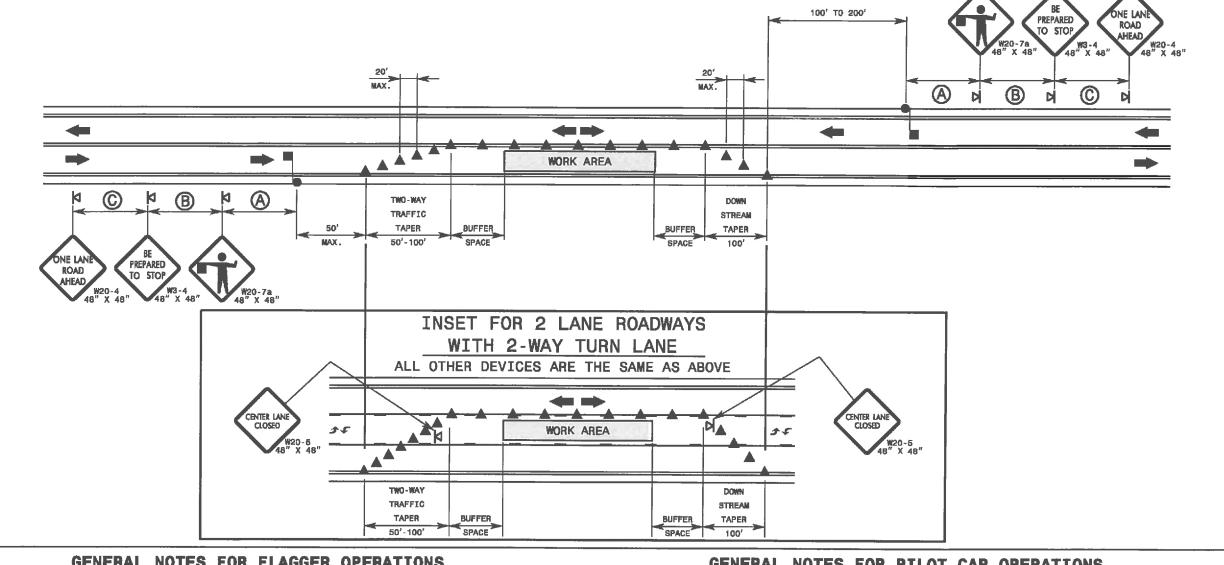
12/22/2014 S:\TMU\WZTC\Apps\Wor STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. 12

> N TEMPORARY **ENGLISH** STANDARD ANI RAWING n

LANE, N -WAY ROADWAY **LOSURES** LANE FOR CLOSED

SHEET 1 OF 15

1101.02

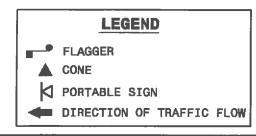


GENERAL NOTES FOR FLAGGER OPERATIONS

- 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.
- 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.
- 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.
- DRUMS OR SKINNY-DRUMS MAY BE USED IN LIEU OF CONES. REFER TO ROADWAY STANDARD DRAWING 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 RECOMMEND THE USE OF LAW ENFORCEMENT.
- 9- REFER TO 2009 MUTCD, CHAPTER 6, 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. 10-

GENERAL NOTES FOR PILOT CAR OPERATIONS

- 1- 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.
- 3- CONES ARE ALWAYS REQUIRED IN THE UPSTREAM AND DOWNSTREAM TAPERS
- ${\tt MOUNT}$ SIGN G20-4 "PILOT CAR FOLLOW ME" AT A CONSPICUOUS POSITION ON THE REAR OF THE PILOT VEHICLE.
- NOT INSTALL MORE THAN ONE (1) MILE OF LANE CLOSURE, MEASURED FROM THE BEGINNING 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.



OF 15

NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

DEPT

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