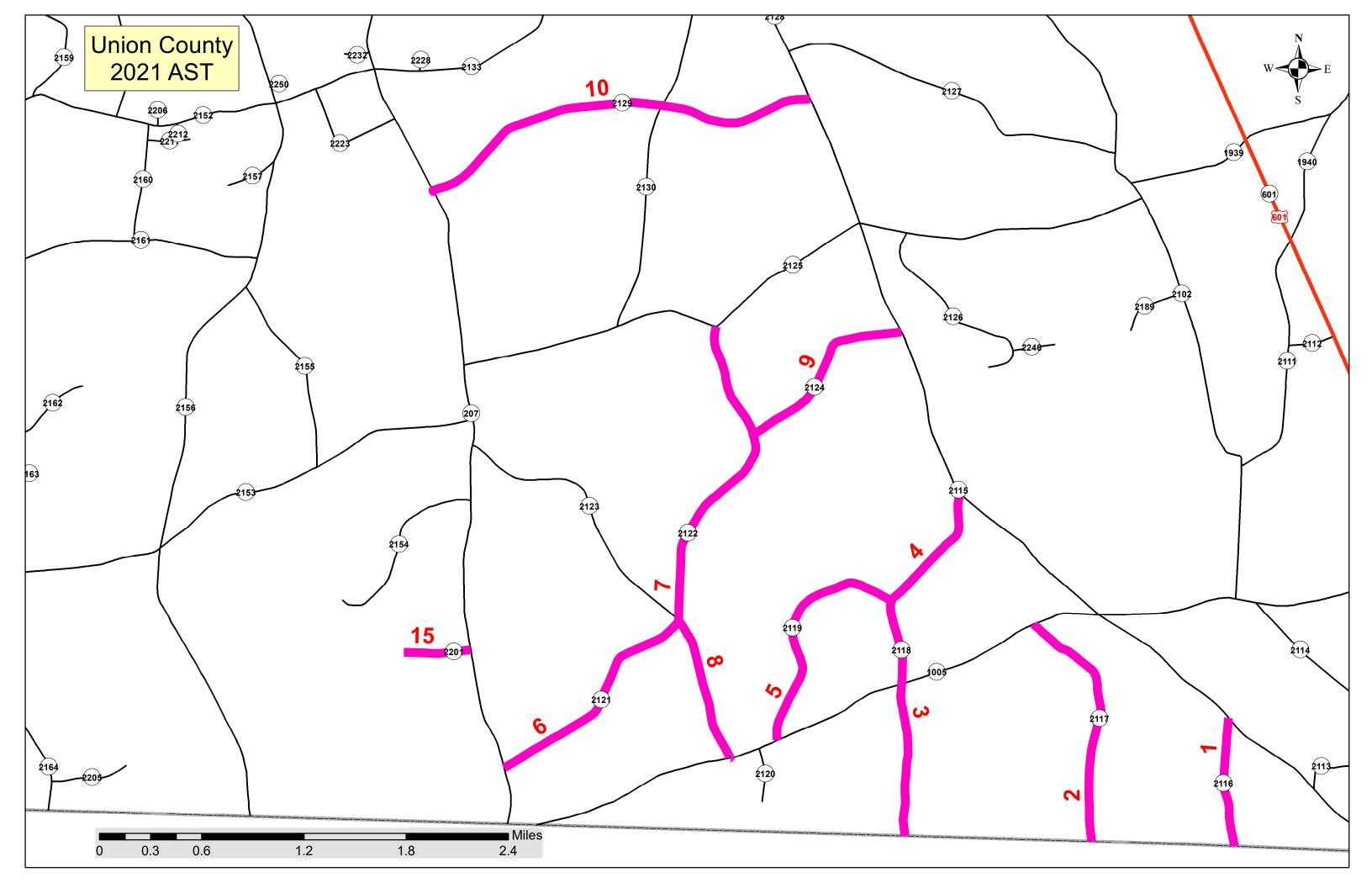
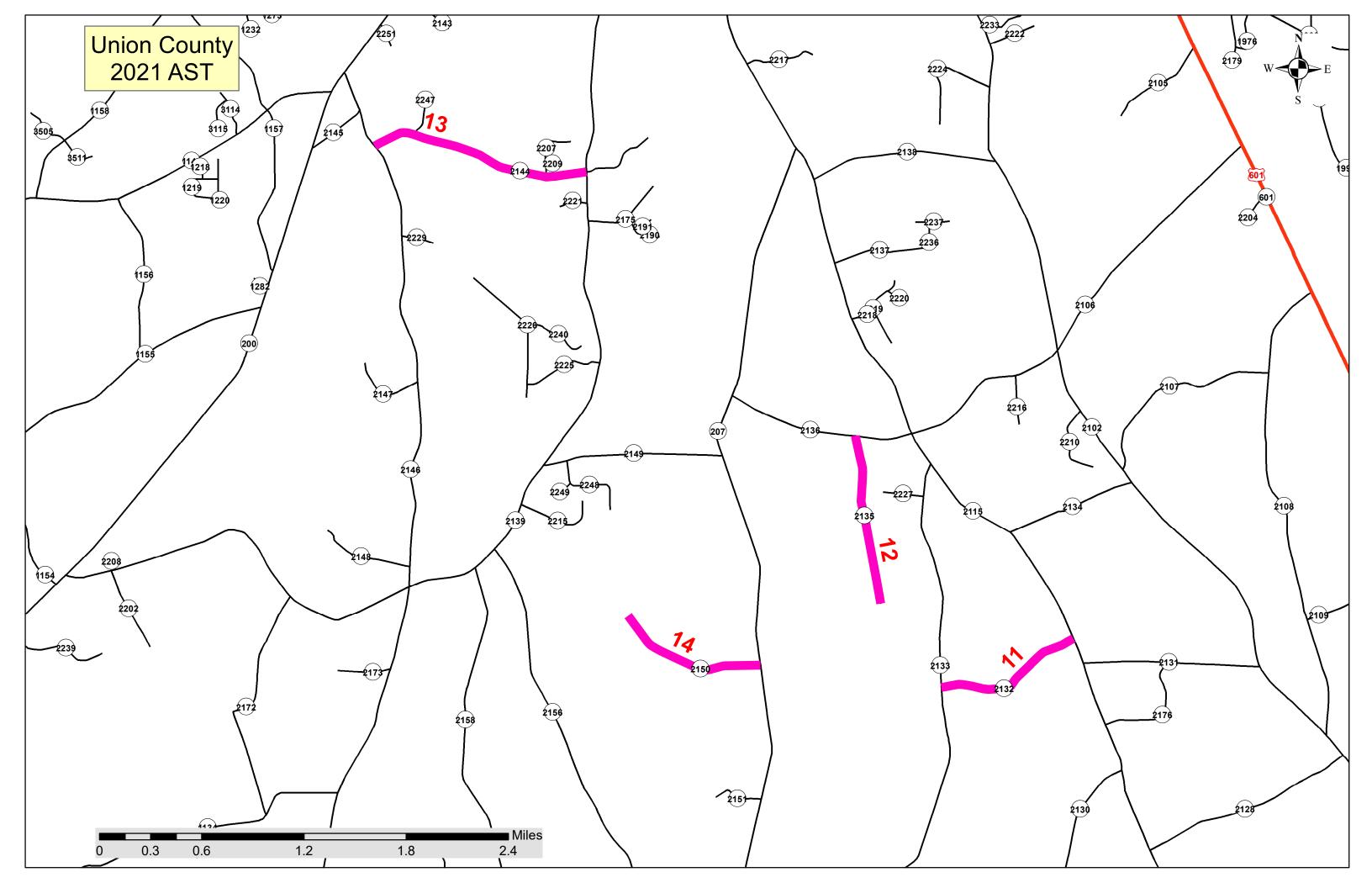
PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.10.11.20902	1	6

SUMMARY OF QUANTITIES

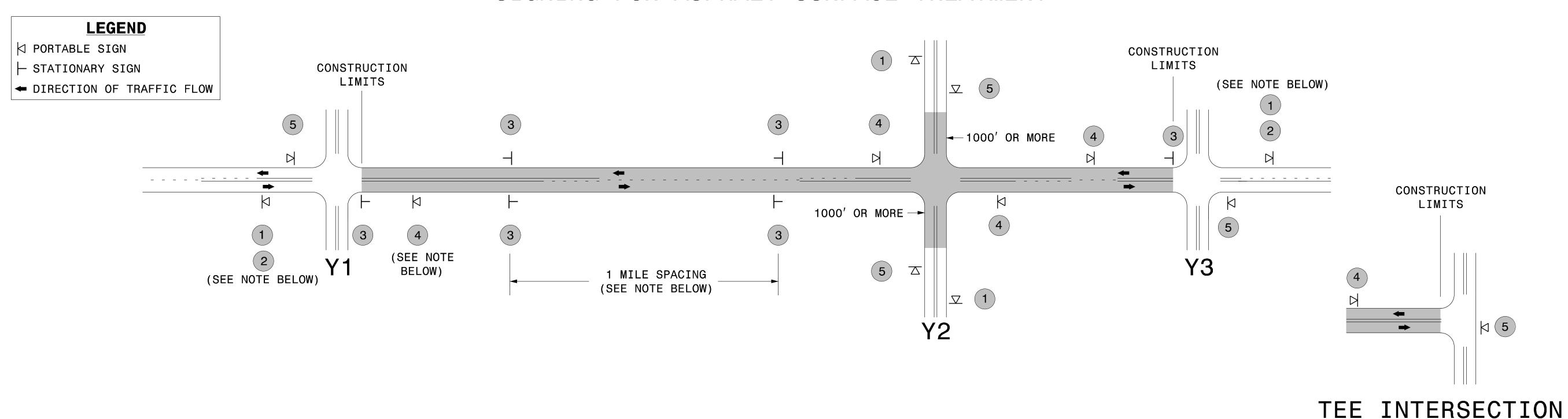
											1803500000-E	1838000000-E	1838500000-N	2143000000-E	4413000000-E	4457000000-N
PROJECT NO	COUNTY MAP NO	ROUTE	DESCRIPTION	TYP NO		TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT		BLOTTING SAND	WORK ZONE ADVANCE/GE NERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
									MI	FT	SY	GAL	WK	TON	SF	LS
2021CPT.10.11.20902	Union 1	BUD PLYLER RD (SR 2116)	FROM SC LINE TO STACK RD (SR 2115)		2		NO	NO	0.75	18	8,316	4,574			40	
20220: ::20:22:20002	TOTAL FOR MA	, ,	(0.1222)		_				0.75	10	8,316	4,574			40	
																·
2021CPT.10.11.20902		ARANT RD (SR 2117)	FROM SC LINE TO LANDSFORD RD (SR 2254)		2		NO	NO	1.46	20	17,987	9,893			40	
	TOTAL FOR MA	P NO. 2							1.46		17,987	9,893			40	
2021CPT.10.11.20902	Union 3	DUDLEY RD (SR 2118)	FROM SC LINE TO LANDSFORD RD (SR 2254)		2		NO	NO	0.9	20	11,088	6,098			40	
	TOTAL FOR MA								0.9		11,088	6,098			40	
	l															
2021CPT.10.11.20902	Union 4 TOTAL FOR MA	DUDLEY RD (SR 2118)	FROM LANDSFORD RD (SR 2254) TO STACK RD (SR 2115)		2		NO	NO	1.28 1.28	20	15,770 15,770	8,674 8,674			80 80	•
	TOTAL FOR WIA	F 140. 4							1.20		13,770	8,074			80	
2021CPT.10.11.20902	Union 5	WALTERS RD (SR 2119)	FROM LANDSFORD RD (SR 2254) TO DUDLEY RD (SR 2118)		2		NO	NO	1.42	18	15,745	8,660			40	
	TOTAL FOR MA	P NO. 5							1.42		15,745	8,660			40	
2021CPT.10.11.20902	Union 6	EUBANKS RD (SR 2121)	FROM NC 207 TO WALTERS MILL RD (SR 2122)		2		NO	NO	1.39	18	15,412	8,477			40	
2021CP1.10.11.20902	TOTAL FOR MA	, ,	PROBLING 207 TO WALTERS WILL RD (SR 2122)				NO	NO	1.39	10	15,412	8,477			40	
			FROM JACK DAVIS RD (SR 2125) TO WALTERS MILL RD									9,117				
2021CPT.10.11.20902	· · · · · · · · · · · · · · · · · · ·	RAPE RD (SR 2122)	(SR2122)		2		NO	NO	1.95	18	21,622	11,892			40	
	TOTAL FOR MA	P NO. 7							1.95		21,622	11,892			40	
2021CPT.10.11.20902	Union 8	WALTERS MILL RD (SR 2122)	FROM LANDSFORD RD (SR 2254) TO RAPE RD (SR 2122)		2		NO	NO	0.85	18	9,425	5,184			40	
2021011.10.11.20302	TOTAL FOR MA		THOM ENABLI OND ND (SN 2234) TO NATE ND (SN 2122)				NO	140	0.85	10	9,425	5,184			40	
											•	,				•
2021CPT.10.11.20902		SARA HINSON RD (SR 2124)	FROM STACK RD (SR 2115) TO RAPE RD (SR 2122)		2		NO	NO	1.14	18	12,038	6,621			40	
	TOTAL FOR MA	P NO. 9							1.14		12,038	6,621			40	
2021CPT.10.11.20902	Union 10	JUG BROOME RD (SR 2129)	FROM STACK RD (SR 2115) TO NC 207		2		NO	NO	2.4	20	28,160	15,488			120	
	TOTAL FOR MAR		(2.4		28,160	15,488			120	
			FROM STACK RD (SR 2115) TO E SANDY RIDGE RD (SR													·
2021CPT.10.11.20902		BRUCE THOMAS RD (SR 2132)	2133)		2		NO	NO	0.88	18	9,293	5,111			40	
	TOTAL FOR MAR	P NO. 11							0.88		9,293	5,111			40	
2021CPT.10.11.20902	Union 12	WG MEDLIN RD (SR 2135)	FROM MACEDONIA CH RD (SR 2136) TO EOM		2		NO	NO	0.94	18	9,926	5,459			40	
	TOTAL FOR MAR								0.94		9,926	5,459			40	
			FROM PLYLER MILL RD (SR 2136) TO GRIFFITH RD (SR		_]	Ţ	7			_]						
2021CPT.10.11.20902		HELMS SHORTCUT RD (SR 2144)	2139)		2		NO	NO	1.3 1.3	20	15,253 15,253	8,389			40 40	
	TOTAL FOR MAR	- NO. 13							1.3		13,233	8,389			40	
2021CPT.10.11.20902	Union 14	JOE COLLINS RD (SR 2150)	FROM NC 207 TO EOM		2		NO	NO	0.89	20	10,443	5,744			40	
	TOTAL FOR MAR	P NO. 14							0.89		10,443	5,744			40	•
2021CPT.10.11.20902	Union 15	BAKER RD (SR 2201)	FROM NC 207 TO EOM		2		NO	NO	0.39	18	4,118	2,265			40	
10110.111.20502	TOTAL FOR MAR				-				0.39	10	4,118	2,265			40	
тот	AL FOR PROJ NO. 202								17.94		204,596	112,529	2.00	10.00	720	1
									4= ==		201 = 55	442		40.00		
	GRAND TO	IAL							17.94	<u> </u>	204,596	112,529	2.00	10.00	720	1





PROJ. REFERENCE NO. SHEET NO.

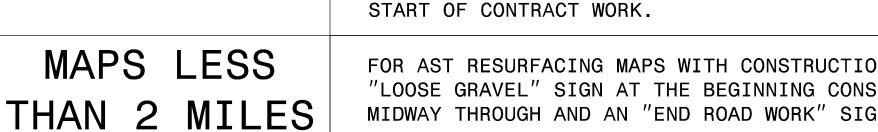
SIGNING FOR ASPHALT SURFACE TREATMENT



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

STATIONARY SIGNING NOT REQUIRED FOR ROAD` - PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y-THE FOLLOWING -Y- LINE CONDITIONS: LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. AHEAD W20-1 48" X 48" 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH 2) SUBDIVISION ROADS ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL 3) DEAD END ROADS ON NUMBERS. ND WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS LOOSE - ALTERNATE THE FOLLOWING TWO SIGNS: AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS **GRAVEL** Ш SHALLE BE USED ALONG THE -Y- LINE AS SHOWN BELOW. - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". \mathbf{T} REMOVE UPON COMPLETION OF WORK. SH - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. UNMARKED ` 0 - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION PAVEMENT AND SPACE 1 MILE APART THEREAFTER. ZШ WORK AHEAD NG T - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND PLACED 250' IN ADVANCE PLACED 500' IN ADVANCE IGNIP EMEN SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. OF FLAGGER. OF FLAGGER. **ROAD** - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. UNDER - 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 ω WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN



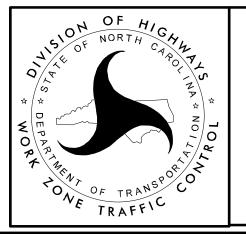
ROAD WORK

G20–2 A 48'' X 24''

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.

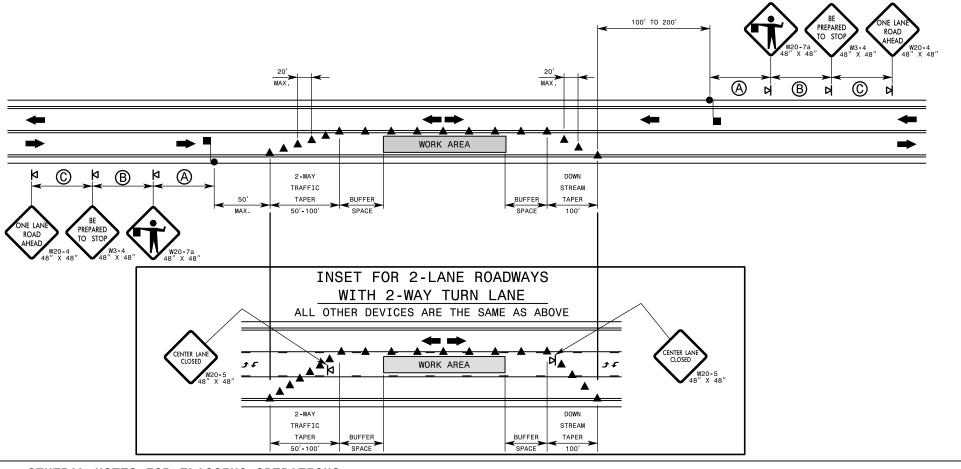
WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

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



ADVANCE WARNING SIGNS
FOR
2-LANE ROADWAY
ASPHALT SURFACE TREATMENT

ZICIKESUFTACINGIZLZW & ASI KESUFTACING DETAHSIKESUFTACING_AAVWAFN_ZLN = A nis



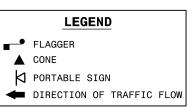
GENERAL NOTES FOR FLAGGING OPERATIONS

- 1- 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. 2-
- 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 RSD. 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 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.
- 9- 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.

11- 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

- 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.
- 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.
- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.



CLOSED FOR RE 080 DRAWING OADWAY N STANDARD ĕ *IEMPORAR* ROADWAY α

NORTH CAROLINA OF TRANSPORTATION /ISION OF HIGHWAYS RALEIGH, N.C.

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INTERSECTION EMULSION PLACEMENT TWO LANE TWO WAY ROADWAY

PROJECT NO. SHEET NO.

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F.A. PROJECT NO.

INTERSECTION EMULSION PLACEMENT

N/A 9-2019

