

WBS NO: 2024CPT.01.11.20082, ETC.

CONTRACT: DA00582

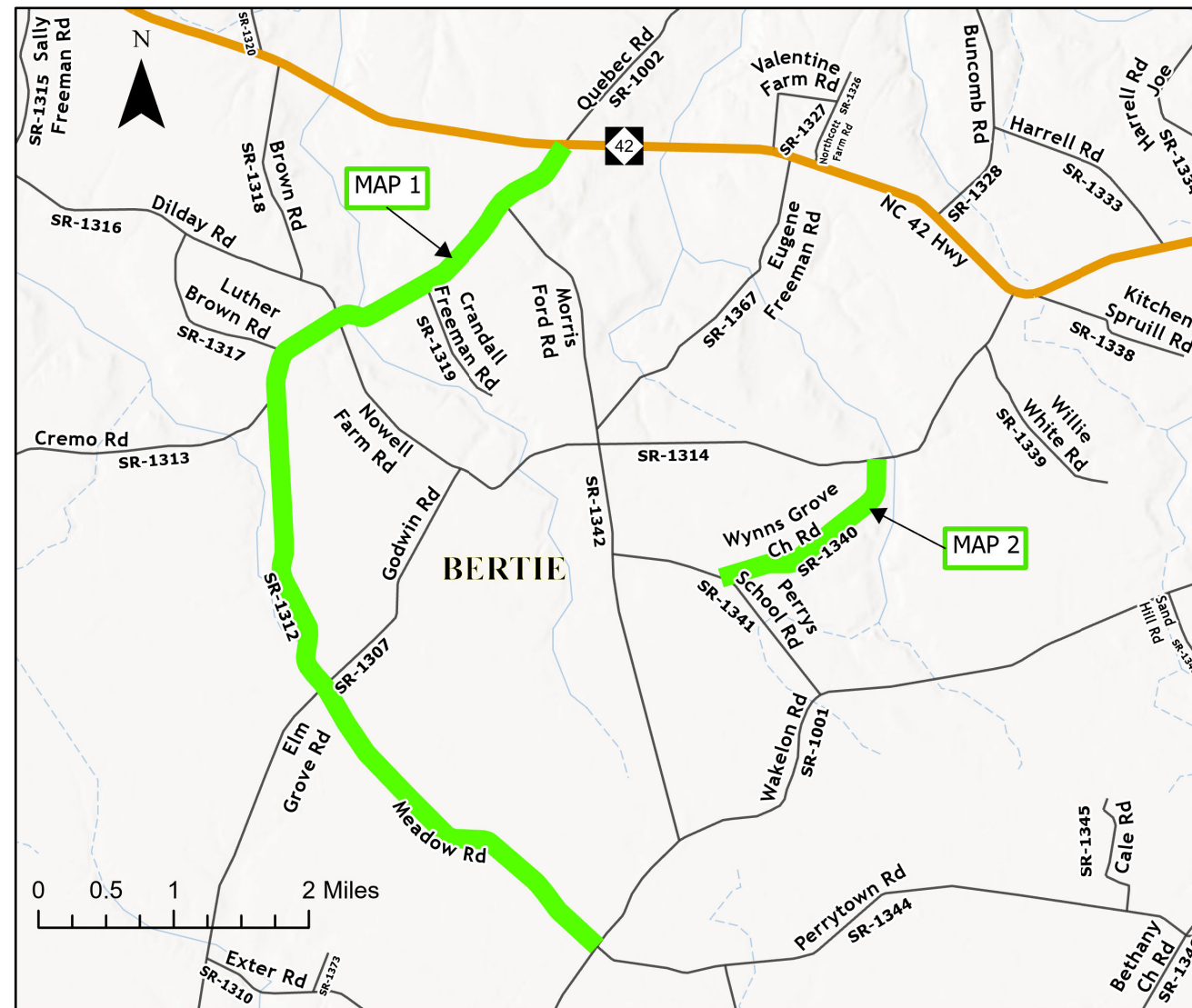
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BERTIE

TYPE OF WORK: ASPHALT SURFACE TREATMENT, DOUBLE SEAL

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.01.11.20082, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION
2024CPT.01.11.20082		P.E., CONST.

MAP	ROUTE	FROM	TO
01	SR 1312 (Meadow Rd.)	SR 1001 (Wakelon Rd.)	NC 42
02	SR 1340 (Wynns Grove Rd.)	SR 1341 (Perrys School Rd.)	SR 1314 (Nowell Farm Rd.)



PROJECT LENGTH

MAP	LENGTH
01	6.54
02	1.29

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 AIRPORT DR., EDENTON, NC 27932

B. N. BRASWELL, PE
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C. E. SLACHTA
DIVISION CONTRACT ENGINEER

J. S. ABEL, JR.
DIVISION PROJECT TEAM LEAD

D. H. STALLINGS
DIVISION DESIGN ENGINEER



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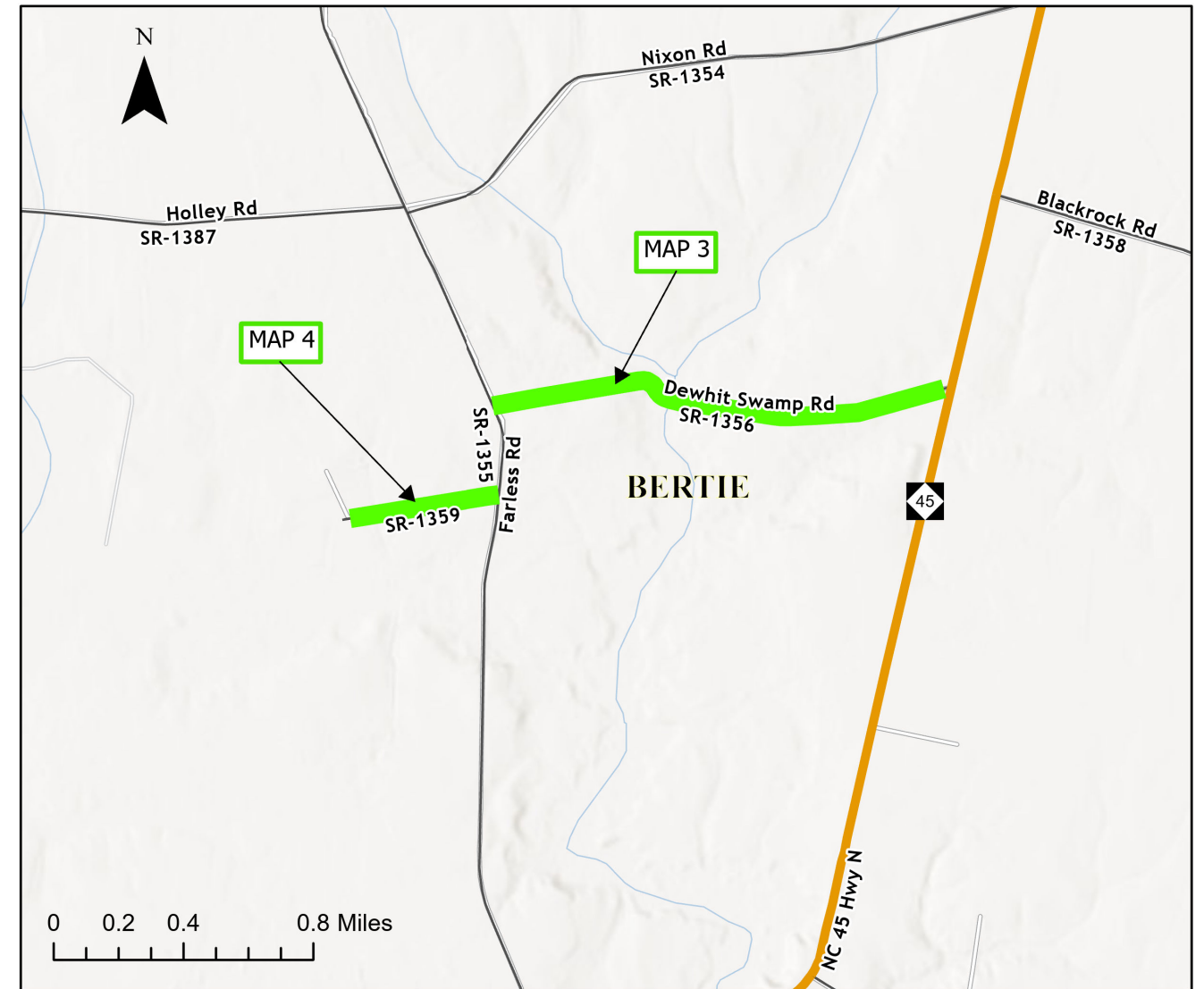
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DIVISION OF HIGHWAYS

BERTIE

TYPE OF WORK: ASPHALT SURFACE TREATMENT, DOUBLE SEAL

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.01.11.20082, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION
2024CPT.01.11.20082		P.E., CONST.

MAP	ROUTE	FROM	TO
03	SR 1356 (Dewhit Swamp Rd.)	SR 1355 (Farless Rd.)	NC 45
04	SR 1359 (Ellie Hughes Rd.)	SR 1355 (Farless Rd.)	Dead End



PROJECT LENGTH

MAP	LENGTH
03	1.16
04	0.38

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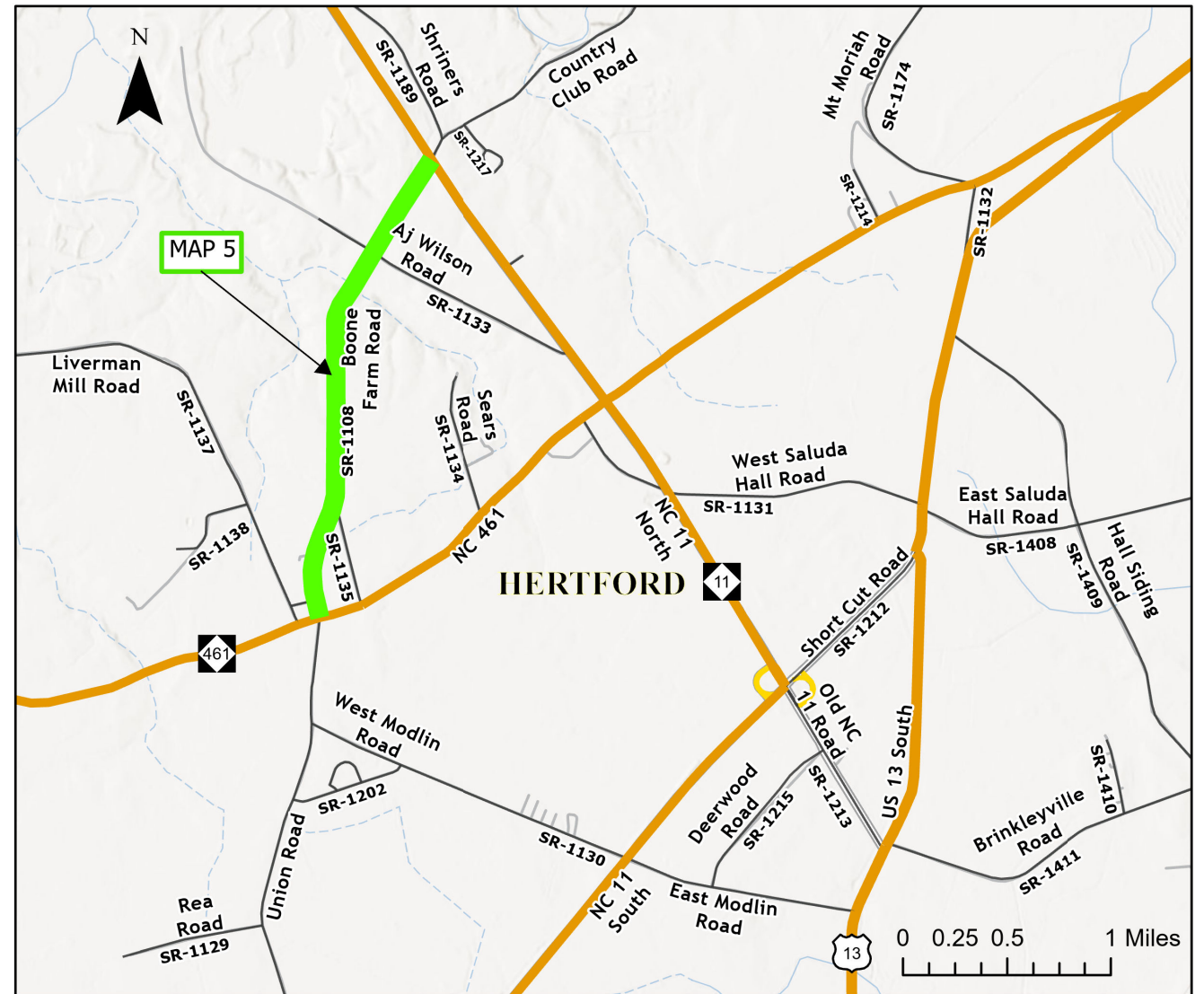
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD

TYPE OF WORK: ASPHALT SURFACE TREATMENT, DOUBLE SEAL

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.01.11.20082, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION
2024CPT.01.11.20462		P.E., CONST.

MAP	ROUTE	FROM	TO
05	SR 1108 (Boone Farm Rd.)	NC 461	NC 11



PROJECT LENGTH

MAP	LENGTH
05	1.89

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CONTRACT: DA00582

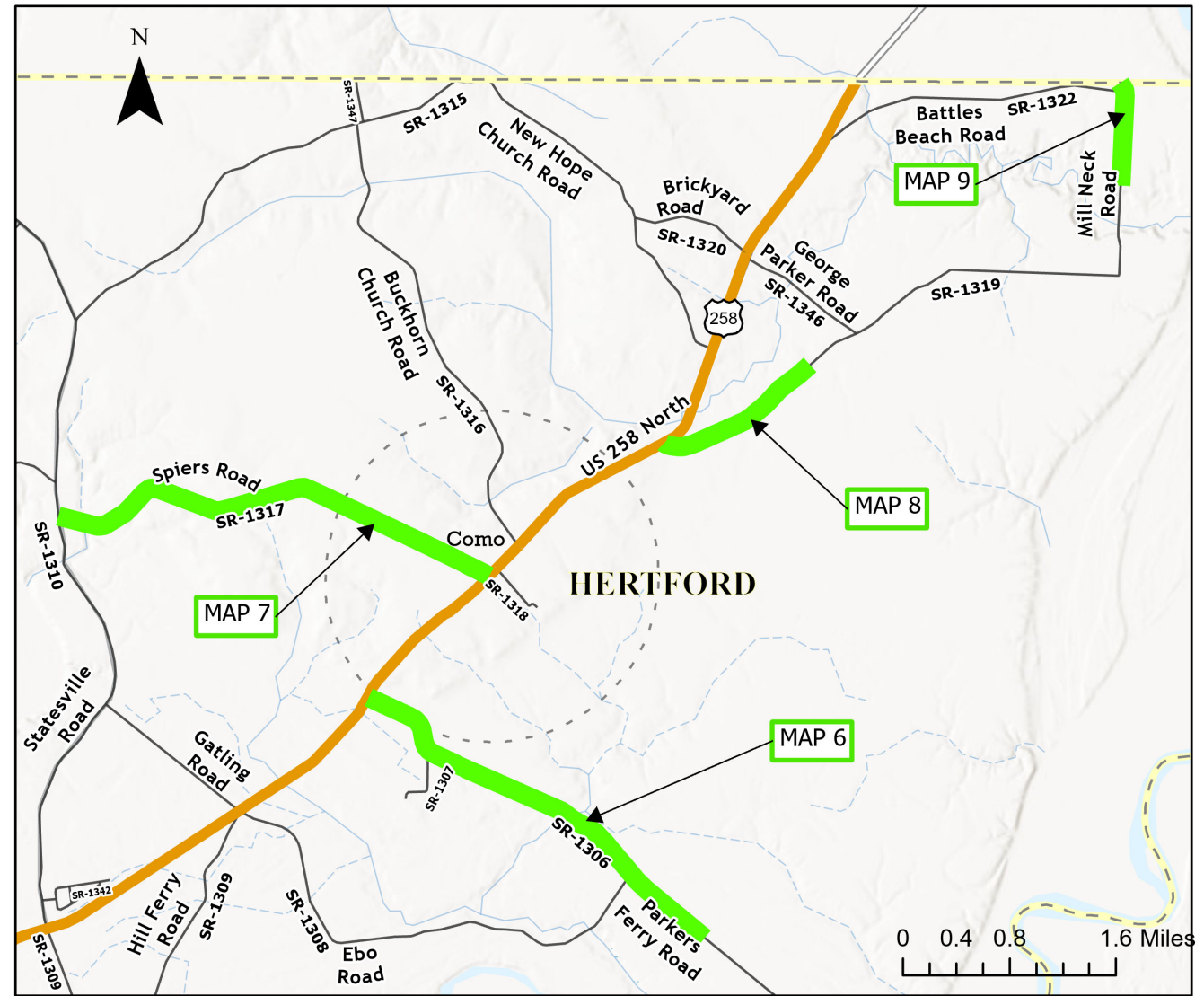
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD

TYPE OF WORK: ASPHALT SURFACE TREATMENT, DOUBLE SEAL

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.01.11.20082, ETC.	4
STATE PROJECT NUMBER		DESCRIPTION
2024CPT.01.11.20462		P.E., CONST.

MAP	ROUTE	FROM	TO
06	SR 1306 (Parkers Ferry Rd.)	End Pavement	US 258
07	SR 1317 (Spiers Rd.)	SR 1310 (Statesville Rd.)	US 258
08	SR 1319 (Mill Neck Rd.)	US 258	End of Pavement
09	SR 1319 (Mill Neck Rd.)	Beginning of Pavement	Virginia State Line



PROJECT LENGTH

MAP	LENGTH
06	2.57
07	2.86
08	1.04
09	0.63

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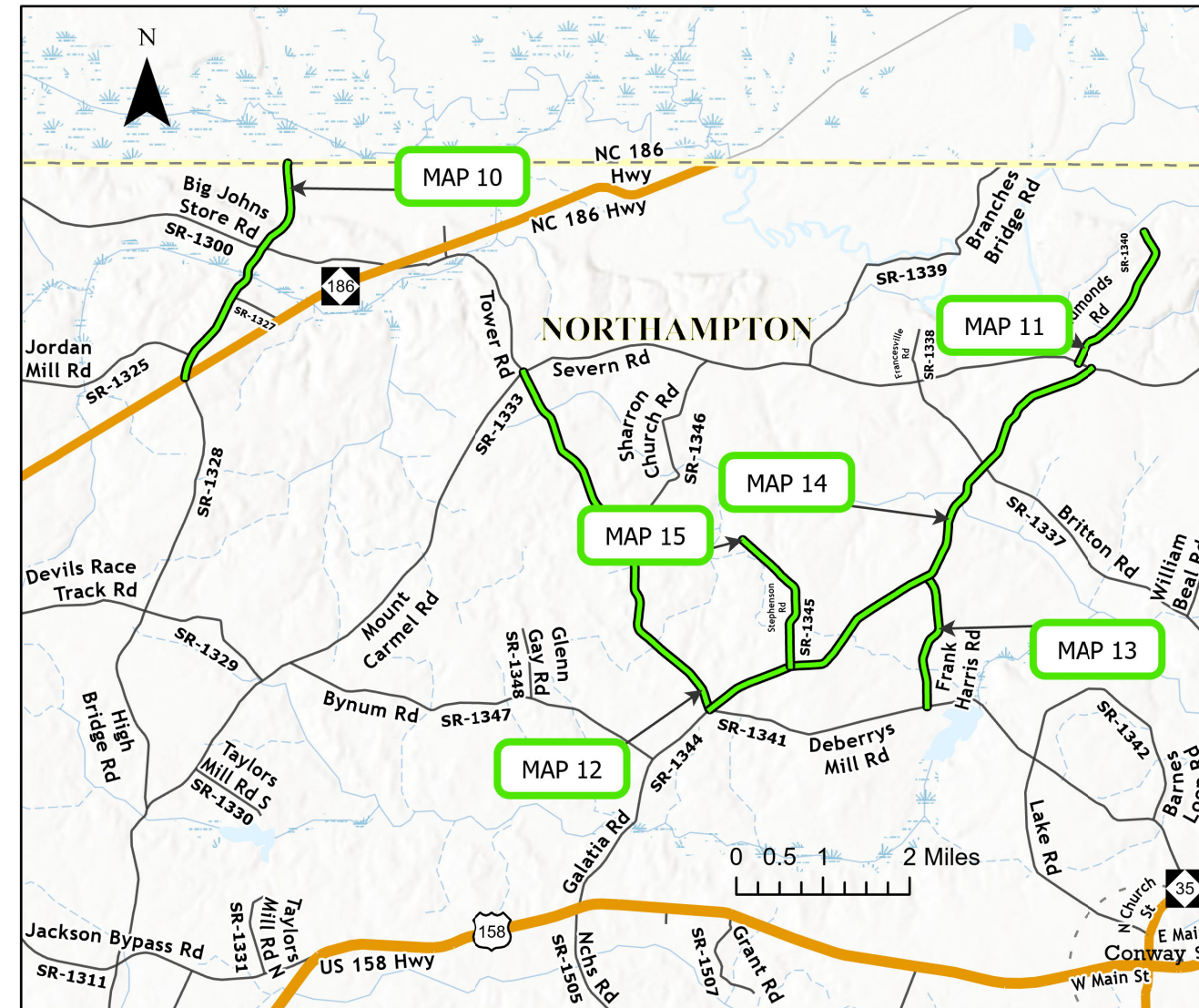
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**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
NORTHAMPTON**

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.01.11.20082, ETC.	5
STATE PROJECT NUMBER		DESCRIPTION
2024CPT.01.11.20662		P.E., CONST.

TYPE OF WORK: ASPHALT SURFACE TREATMENT, DOUBLE SEAL

MAP	ROUTE	FROM	TO
10	SR 1328 (Mt. Zion Church Rd.)	VA Line	NC 186
11	SR 1340 (Edmonds Rd.)	Dead End (2.1 miles)	SR 1333 (Severn Rd.)
12	SR 1341 (Tower Rd.)	SR 1333 (Severn Rd.)	SR 1344 (Galatia Rd.)
13	SR 1343 (Frank Harris Rd.)	SR 1341 (Deberry Mill Rd.)	SR 1344 (Galatia Rd.)
14	SR 1344 (Galatia Rd.)	SR 1333 (Severn Rd.)	SR 1341 (Tower Rd.)
15	SR 1345 (Stephenson Rd.)	SR 1344 (Galatia Rd.)	Dead End



PROJECT LENGTH

MAP	MILES	MAP	MILES
10	2.31	13	1.28
11	1.50	14	5.07
12	3.74	15	1.40

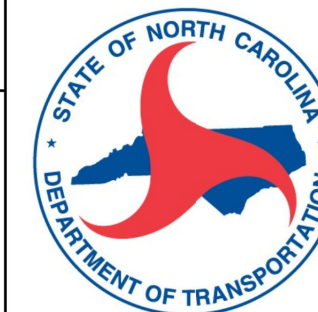
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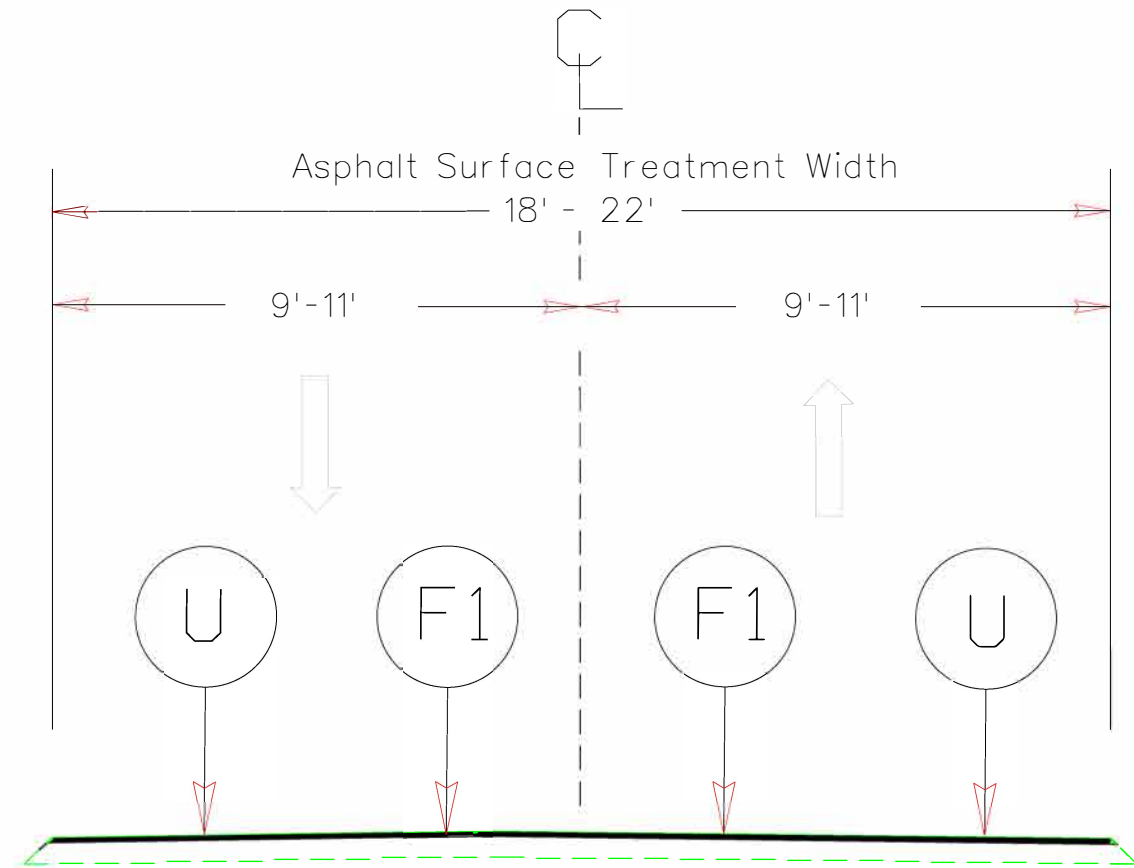


P A V E M E N T S C H E D U L E

F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
U	EXISTING PAVEMENT

NOTES:

- * ALL INTERSECTING ROADS ARE TO BE TREATED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * PAVEMENT MARKINGS ARE TO BE PERFORMED BY OTHERS
- * ASPHALT SURFACE TREATMENT (DOUBLE SEAL) CONSISTS OF TWO LAYERS OF TREATMENT: BOTTOM LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF 0.30± GAL/SY AND A LAYER OF #78M STONE AT A RATE OF 18± LBS/SY. TOP LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF 0.25± GAL/SY AND A LAYER OF 5/16" LIGHTWEIGHT AGGREGATE AT A RATE OF APPROX. 9± LBS/SY.
CONSTRUCT THE ASPHALT SURFACE TREATMENT, DOUBLE SEAL IN ACCORDANCE WITH SUBARTICLE 660-8(A) OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- * FOR AST DOUBLE SEAL, CONTRACTOR MUST PROVIDE A SPREADER CAPABLE OF SPREADING UP TO 12' WIDE FOR IRREGULAR AREAS ALONG THESE MAPS.
- * CONTRACTOR SHALL PROVIDE AN ADEQUATE NUMBER OF STEEL DRUM ROLLERS TO ENSURE THAT 1 COMPLETE ROLLING COVERAGE HAS BEEN COMPLETED WITHIN 5 MINUTES OF THE APPLICATION OF EMULSION THROUGHOUT THE PROJECT IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.



TYPICAL SECTION NO. 1
USE WITH MAPS 1-14




PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.01.11.20082, ETC.	7	

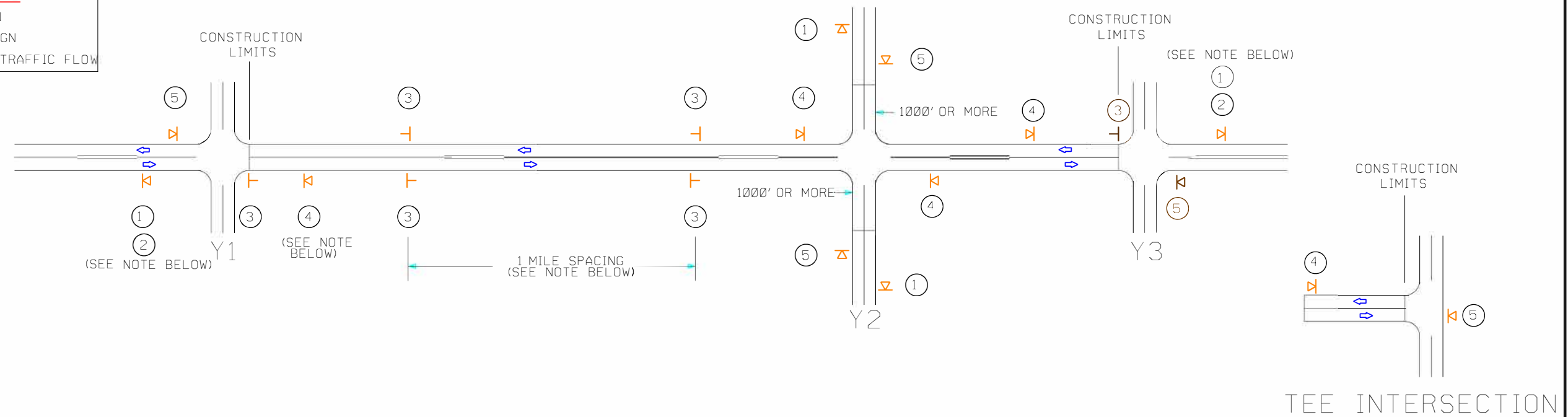
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1803500000-E	1838000000-E	4413000000-E	4457000000-N		
														ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	WORK ZONE ADVANCE / GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)		
														MI	FT	SY	GAL	SF	LS
2024CPT.01.11.20082	Bertie	1	SR-1312 / MEADOW ROAD	FROM SR 1001 (WAKELON ROAD) (MP 0.00) TO NC 42 (MP 6.55)	1	2	2WU	NO	NO	6.55	20	0.00	6.55	78,693	47,216	615	1		
2024CPT.01.11.20082	Bertie	2	SR-1340 / WYNNS GROVE CHURCH ROAD	FROM SR 1341 (PERRYS SCHOLL ROAD) (MP 0.00) TO SR 1314 (NOWELL FARM ROAD) (MP 1.29)	1	2	2WU	NO	NO	1.29	22	0.00	1.29	16,650	9,990	150	*		
2024CPT.01.11.20082	Bertie	3	SR-1356 / DEWHIT SWAMP ROAD	FROM SR 1355 (PINE RIDGE ROAD) (MP 0.00) TO NC 45 (MP 1.18)	1	2	2WU	NO	NO	1.18	21	0.00	1.18	14,538	8,723	150	*		
2024CPT.01.11.20082	Bertie	4	SR-1359 / LELLIE HUGHES ROAD	FROM SR 1355 (FARLESS ROAD) (MP 0.00) TO DEAD END (MP 0.38)	1	2	2WU	NO	NO	0.38	19	0.00	0.38	4,236	2,609	85	*		
TOTAL FOR PROJ NO. 2024CPT.01.11.20082														9.40		114,117	68,538	1,000	*
2024CPT.01.11.20462	Hertford	5	SR-1108 / BOONE FARM ROAD	FROM NC 461 (MP 3.83) TO NC 11 (MP 5.72)	1	2	2WU	NO	NO	1.89	20	3.83	5.72	23,161	13,897	310	*		
2024CPT.01.11.20462	Hertford	6	SR-1306 / PARKERS FERRY ROAD	FROM EOP (MP 2.86) TO US 258 (MP 5.43)	1	2	2WU	NO	NO	2.57	20	2.86	5.43	30,900	18,540	230	*		
2024CPT.01.11.20462	Hertford	7	SR-1317 / SPIERS ROAD	FROM SR 1310 (STATESVILLE ROAD) (MP 0.00) TO US 258 (MP 2.86)	1	2	2WU	NO	NO	2.86	20	0.00	2.86	33,557	20,135	182	*		
2024CPT.01.11.20462	Hertford	8	SR-1319 / MILL NECK ROAD	FROM US 258 (M,P 0.00) TO EOP (MP 1.04)	1	2	2WU	NO	NO	1.04	20	0.00	1.04	12,203	7,322	86	*		
2024CPT.01.11.20462	Hertford	9	SR-1319 / MILL NECK ROAD	FROM EOP (MP 3.63) TO VIRGINIA STATE LINE (MP 4.258)	1	2	2WU	NO	NO	0.63	20	3.63	4.258	7,609	4,566	78	*		
TOTAL FOR PROJ NO. 2024CPT.01.11.20462														8.99		107,430	64,460	886	*
2024CPT.01.11.20662	Northampton	10	SR-1328 / MT ZION CHURCH RD	FROM VA LINE (MP 0.00) TO NC 186 (MP 2.31)	1	2	2WU	NO	NO	2.31	18	0.00	2.31	24,394	15,856	166	*		
2024CPT.01.11.20662	Northampton	11	SR-1340 / EDMONDS ROAD	FROM SR 1333 (SEVERN ROAD) (MP 0.00) TO VIRGINIA STATE LINE (MP 1.50)	1	2	2WU	NO	NO	2.10	20	0.00	2.1	24,640	14,784	150	*		
2024CPT.01.11.20662	Northampton	12	SR-1341 / TOWER ROAD	FROM NC 186 (MP 2.04) TO SR 1344 (GALATIA ROAD) (MP 5.781)	1	2	2WU	NO	NO	3.74	20	2.04	5.781	48,271	31,376	166	*		
2024CPT.01.11.20662	Northampton	13	SR-1343 / FRANK HARRIS ROAD	FROM SR 1341 (DEBERRY MILL ROAD) (MP 0.00) TO SR 1344 (GALATIA ROAD) (MP 1.278)	1	2	2WU	NO	NO	1.28	20	0.00	1.278	14,995	8,998	118	*		
2024CPT.01.11.20662	Northampton	14	SR-1344 / GALATIA ROAD	FROM SR 1333 (SEVERN ROAD) (MP 0.00) TO SR 1341 (TOWER ROAD) (MP 5.07)	1	2	2WU	NO	NO	5.07	18	0.00	5.07	54,214	32,529	510	*		
2024CPT.01.11.20662	Northampton	15	SR-1345 / STEPHENSON ROAD	FROM SR 1344 (GALATIA ROAD) (MP 0.00) TO DEAD END (MP 1.4)	1	2	2WU	NO	NO	1.40	18	0.00	1.4	14,784	8,870	86	*		
TOTAL FOR PROJ NO. 2024CPT.01.11.20662														15.90		181,298	112,413	1,196	*
GRAND TOTAL														34.29		402,845	245,411	3,082	1

SIGNING FOR ASPHALT SURFACE TREATMENT


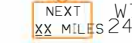





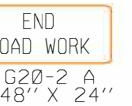
LEGEND

-  PORTABLE SIGN
-  STATIONARY SIGN
-  DIRECTION OF TRAFFIC FLOW



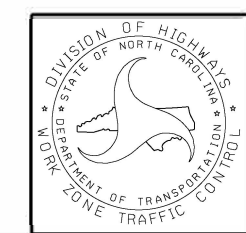
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>①  ROAD WORK AHEAD W20-1 48" X 48"</p> <p>②  NEXT XX MILES W7-3aP 24" X 18"</p>	<p>- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>- 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>	<p>STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <p>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS</p>
	<p>③  LOOSE GRAVEL W8-7 48" X 48"</p> <p> UNMARKED PAVEMENT SP 48" X 48"</p>	<p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	<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>
	<p>④  ROAD UNDER CONST SP 13106 48" X 48"</p>	<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	<p> ROAD WORK AHEAD W20-1 48" X 48"</p> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> <p> W20-7 A 48" X 48"</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p>
	<p>⑤  END ROAD WORK G20-2 A 48" X 24"</p>	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	
	<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 ASPHALT 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

\$\$\$\$SYTIME\$\$\$\$
\$\$\$\$SUBSERVNAME\$\$\$\$