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CONTRACT: DA00506 WBS ELEMENT: 2022CPT.01.09.20662.1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	2022CPT.01.09.20662.1	1
STATE PROJ. NO.		DESCRIPTION
2022CPT.01.09.20662.1		PE, CONST

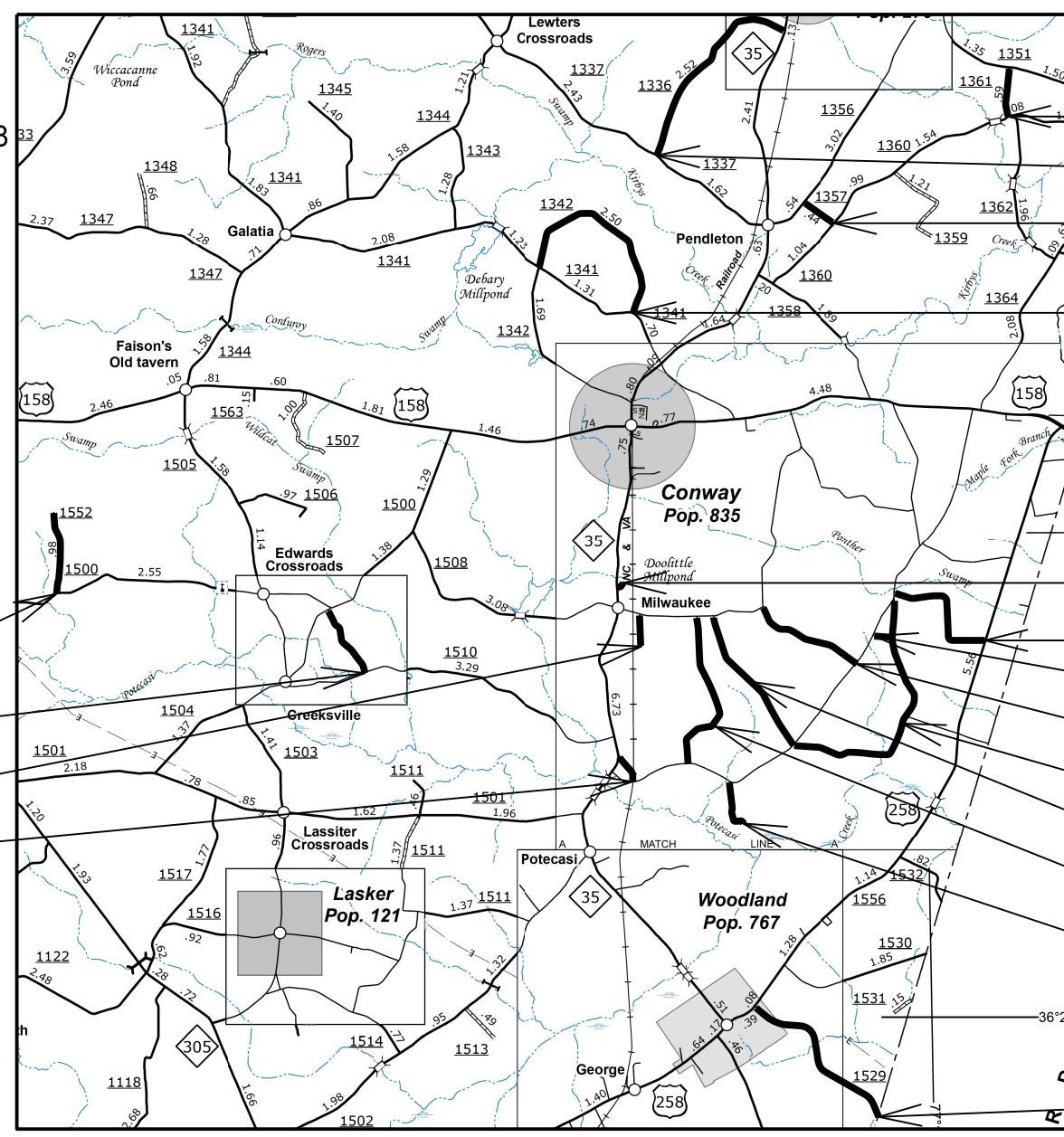


LOCATION:

- MAP 1 - SR 1336 FROM SR 1337 TO NC 35
- MAP 2 - SR 1357 FROM SR 1356 TO SR 1360
- MAP 3 - SR 1361 FROM SR 1360 TO SR 1351
- MAP 4 - SR 1509 FROM SR 1510 TO SR 1504
- MAP 5 - SR 1529 FROM HERTFORD COUNTY LINE TO US 258
- MAP 6 - SR 1535 FROM SR 1536 TO NC 35
- MAP 7 - SR 1540 FROM SR 1536 TO US 258
- MAP 8 - SR 1541 FROM SR 1536 TO SR 1536
- MAP 9 - SR 1541 FROM SR 1536 TO SR 1545
- MAP 10 - SR 1543 FROM SR 1536 TO SR 1545
- MAP 11 - SR 1546 FROM SR 1536 TO SR 1545
- MAP 12 - SR 1547 FROM SR 1541 TO SR 1536
- MAP 13 - SR 1551 FROM NC 35 TO DEAD END
- MAP 14 - SR 1552 FROM SR 1500 TO DEAD END
- MAP 15 - SR 1558 FROM DEAD END TO SR 1536
- MAP 16 - SR 1559 FROM DEAD END TO SR 1545
- MAP 17 - SR 1342 FROM SR 1341 TO SR 1341

TYPE OF WORK:

ASPHALT SURFACE TREATMENT, (DOUBLE SEAL)



MAP 14
MAP 4
MAP 16
MAP 6

MAP 3
MAP 1
MAP 2
MAP 17

MAP 13
MAP 7
MAP 12
MAP 10
MAP 8
MAP 9
MAP 11
MAP 15

MAP 5

GRAPHIC SCALES

NTS

PROJECT LENGTH

MAP 1 = 2.52 MILES	MAP 7 = 1.57 MILES	MAP 13 = 0.04 MILES
MAP 2 = 0.44 MILES	MAP 8 = 3.17 MILES	MAP 14 = 0.98 MILES
MAP 3 = 0.59 MILES	MAP 9 = 1.84 MILES	MAP 15 = 0.60 MILES
MAP 4 = 0.37 MILES	MAP 10 = 1.37 MILES	MAP 16 = 0.38 MILES
MAP 5 = 2.16 MILES	MAP 11 = 2.04 MILES	MAP 17 = 2.50 MILES
MAP 6 = 0.39 MILES	MAP 12 = 0.22 MILES	

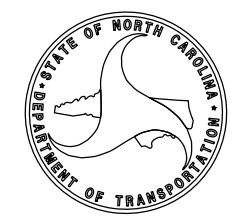
Prepared in the Office of:
DIVISION OF HIGHWAYS

113 Airport Dr., Edenton NC, 27932
2018 STANDARD SPECIFICATIONS

W. B. HOBBS, PE
DIVISION PROJECT TEAM LEAD

C. E. SLACHTA
DIVISION CONTRACT ENGINEER

S. P. FENWICK, PLS
DIVISION DESIGN ENGINEER

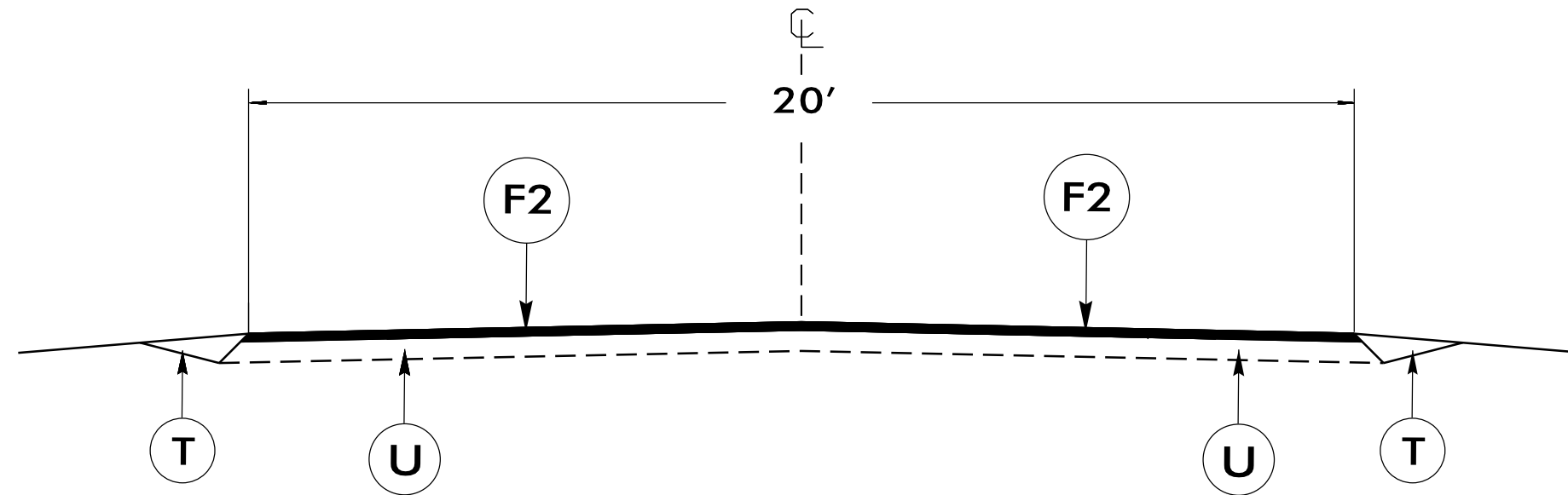


P A V E M E N T S C H E D U L E

F2	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
T	EARTH MATERIAL
U	EXISTING PAVEMENT.

NOTES:

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED 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.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES
- * ASPHALT SURFACE TREATMENT SHALL BE ALLOWED TO SET UP FOR A MINIMUM OF 10 DAYS AND A MAXIMUM OF 60 DAYS BEFORE ANY OTHER WORK CAN BE PERFORMED. ASPHALT SURFACE TREATMENT SHALL BE THOROUGHLY BROOMED TO REMOVE EXCESS AGGREGATE, PRIOR TO FINAL SURFACE LAYER BEING INSTALLED
- * ASPHALT SURFACE TREATMENT (DOUBLE SEAL) CONSISTS OF TWO LAYERS OF TREATMENT: BOTTOM LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF APPROX. 0.30 + GAL/SY AND A LAYER OF 78M AGGREGATE AT A RATE OF APPROX. 18± LBS/SY. TOP LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF APPROX. 0.25 + GAL/SY AND A LAYER OF:5/16" LIGHTWEIGHT AGGREGATE AT A RATE OF APPROX. 9± LBS/SY.



TYPICAL SECTION NO. 1
USE WITH: MAPS 1 - 17

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	MOBILIZATION	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT
										MI	FT	LS	SY	GAL
2022CPT.01.09.20662.1	Northampton	1	SR 1336 WILLIAM BEAL RD	SR 1337 BRITTON RD TO NC 35	1	2	2WU	NO	NO	2.52	20	1	29,568	17,750
2022CPT.01.09.20662.1	Northampton	2	SR 1357 EDWARDS RD	SR 1356 WILLIS HARE RD TO SR 1360 HORNE RD	1	2	2WU	NO	NO	0.44	20	*	5,163	3,100
2022CPT.01.09.20662.1	Northampton	3	SR 1361 WHITES AVE	SR 1360 HORNE RD TO SR 1351 VAUGHANS CREEK RD	1	2	2WU	NO	NO	0.59	20	*	6,923	4,160
2022CPT.01.09.20662.1	Northampton	4	SR 1509 O T HUNT CLUB RD	SR 1510 JENKINS MILL RD TO SR 1504 CREEKSVILLE RD	1	2	2WU	NO	NO	0.37	20	*	4,341	2,610
2022CPT.01.09.20662.1	Northampton	5	SR 1529 FINLEY RD	HERTFORD CO LINE TO US 258	1	2	2WU	NO	NO	2.16	19	*	24,077	14,450
2022CPT.01.09.20662.1	Northampton	6	SR 1535 HOBBS SERVICE RD	SR 1536 ASHLEYS GROVE RD TO NC 35	1	2	2WU	NO	NO	0.39	19	*	4,347	2,610
2022CPT.01.09.20662.1	Northampton	7	SR 1540 INDIAN BRANCH RD	SR 1536 ASHLEYS GROVE RD TO US 258	1	2	2WU	NO	NO	1.57	19	*	17,500	10,500
2022CPT.01.09.20662.1	Northampton	8	SR 1541 BURNT BRIDGES RD	SR 1536 ASHLEYS GROVE RD TO SR 1536 ASHLEYS GROVE RD	1	2	2WU	NO	NO	3.17	20	*	37,820	22,700
2022CPT.01.09.20662.1	Northampton	9	SR 1541 WALTER E MARTIN RD	SR 1536 ASHLEYS GROVE RD TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	1.84	18	*	19,430	11,700
2022CPT.01.09.20662.1	Northampton	10	SR 1543 JOHNNY VANN RD	SR 1536 ASHLEYS GROVE RD TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	1.37	19	*	15,271	9,170
2022CPT.01.09.20662.1	Northampton	11	SR 1546 URIAH MARTIN RD	SR 1536 ASHLEYS GROVE RD TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	2.04	16	*	19,149	11,500
2022CPT.01.09.20662.1	Northampton	12	SR 1547 ASHLEYS GROVE CHURCH RD	SR 1541 BURNT BRIDGES RD TO SR 1536 ASHLEYS GROVE RD	1	2	2WU	NO	NO	0.22	16	*	2,065	1,250
2022CPT.01.09.20662.1	Northampton	13	SR 1551 MILWAUKEE CEMETARY RD	NC 35 TO DEAD END	1	2	2WU	NO	NO	0.04	16	*	375	250
2022CPT.01.09.20662.1	Northampton	14	SR 1552 JONES RD	SR 1500 FIRE TOWER RD TO DEAD END	1	2	2WU	NO	NO	0.98	20	*	11,589	7,000
2022CPT.01.09.20662.1	Northampton	15	SR 1558 WATSON LANE	DEAD END TO SR 1536 ASHLEYS GROVE RD	1	2	2WU	NO	NO	0.60	18	*	6,336	3,810
2022CPT.01.09.20662.1	Northampton	16	SR 1559 BASKET MILL RD	DEAD END TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	0.38	16	*	3,567	2,140
2022CPT.01.09.20662.1	Northampton	17	SR 1342 BARNES LOOP RD	SR 1341 DEBERRYS MILL RD TO SR 1341 DEBERRYS MILL RD	1	2	2WU	NO	NO	2.50	20	*	29,333	17,600
TOTAL FOR PROJ NO. 2022CPT.01.09.20662.1										21.18		1	236,854	142,300
GRAND TOTAL										21.18		1	236,854	142,300

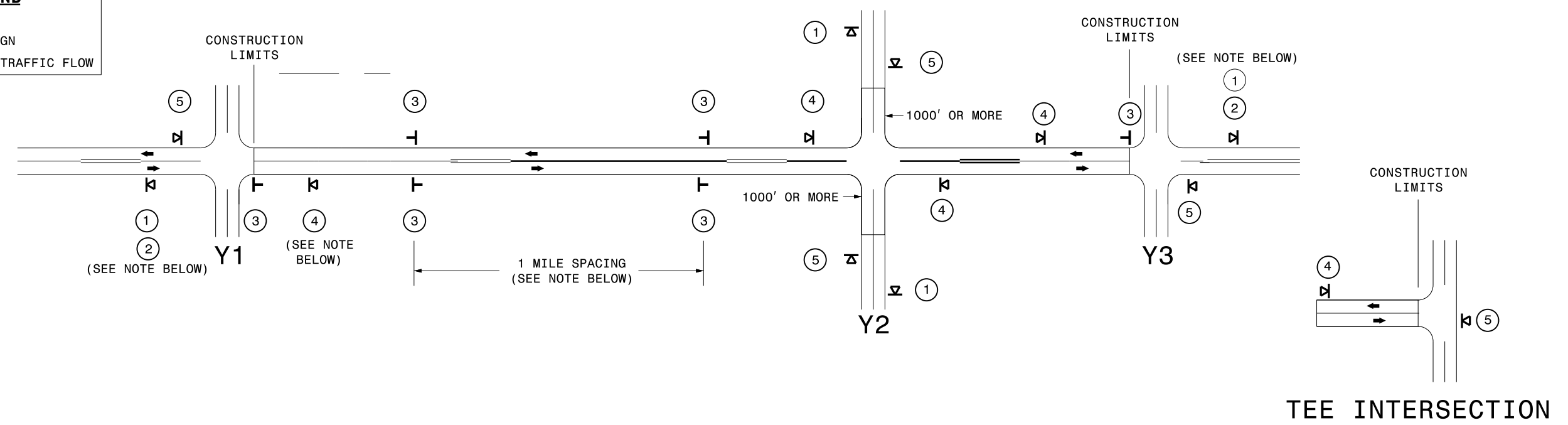
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	WORK ZONE ADV/GEN WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
										MI	FT	SF	LS
2022CPT.01.09.20662.1	Northampton	1	SR 1336 WILLIAM BEAL RD	SR 1337 BRITTON RD TO NC 35	1	2	2WU	NO	NO	2.52	20	344	1
2022CPT.01.09.20662.1	Northampton	2	SR 1357 EDWARDS RD	SR 1356 WILLIS HARE RD TO SR 1360 HORNE RD	1	2	2WU	NO	NO	0.44	20	80	*
2022CPT.01.09.20662.1	Northampton	3	SR 1361 WHITES AVE	SR 1360 HORNE RD TO SR 1351 VAUGHANS CREEK RD	1	2	2WU	NO	NO	0.59	20	80	*
2022CPT.01.09.20662.1	Northampton	4	SR 1509 O T HUNT CLUB RD	SR 1510 JENKINS MILL RD TO SR 1504 CREEKSVILLE RD	1	2	2WU	NO	NO	0.37	20	80	*
2022CPT.01.09.20662.1	Northampton	5	SR 1529 FINLEY RD	HERTFORD CO LINE TO US 258	1	2	2WU	NO	NO	2.16	19	320	*
2022CPT.01.09.20662.1	Northampton	6	SR 1535 HOBBS SERVICE RD	SR 1536 ASHLEYS GROVE RD TO NC 35	1	2	2WU	NO	NO	0.39	19	80	*
2022CPT.01.09.20662.1	Northampton	7	SR 1540 INDIAN BRANCH RD	SR 1536 ASHLEYS GROVE RD TO US 258	1	2	2WU	NO	NO	1.57	19	80	*
2022CPT.01.09.20662.1	Northampton	8	SR 1541 BURNT BRIDGES RD	SR 1536 ASHLEYS GROVE RD TO SR 1536 ASHLEYS GROVE RD	1	2	2WU	NO	NO	3.17	20	456	*
2022CPT.01.09.20662.1	Northampton	9	SR 1541 WALTER E MARTIN RD	SR 1536 ASHLEYS GROVE RD TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	1.84	18	80	*
2022CPT.01.09.20662.1	Northampton	10	SR 1543 JOHNNY VANN RD	SR 1536 ASHLEYS GROVE RD TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	1.37	19	80	*
2022CPT.01.09.20662.1	Northampton	11	SR 1546 URIAH MARTIN RD	SR 1536 ASHLEYS GROVE RD TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	2.04	16	280	*
2022CPT.01.09.20662.1	Northampton	12	SR 1547 ASHLEYS GROVE CHURCH RD	SR 1541 BURNT BRIDGES RD TO SR 1536 ASHLEYS GROVE RD	1	2	2WU	NO	NO	0.22	16	80	*
2022CPT.01.09.20662.1	Northampton	13	SR 1551 MILWAUKEE CEMETARY RD	NC 35 TO DEAD END	1	2	2WU	NO	NO	0.04	16	80	*
2022CPT.01.09.20662.1	Northampton	14	SR 1552 JONES RD	SR 1500 FIRE TOWER RD TO DEAD END	1	2	2WU	NO	NO	0.98	20	80	*
2022CPT.01.09.20662.1	Northampton	15	SR 1558 WATSON LANE	DEAD END TO SR 1536 ASHLEYS GROVE RD	1	2	2WU	NO	NO	0.60	18	80	*
2022CPT.01.09.20662.1	Northampton	16	SR 1559 BASKET MILL RD	DEAD END TO SR 1545 BUCK BOONE RD	1	2	2WU	NO	NO	0.38	16	80	*
2022CPT.01.09.20662.1	Northampton	17	SR 1342 BARNES LOOP RD	SR 1341 DEBERRYS MILL RD TO SR 1341 DEBERRYS MILL RD	1	2	2WU	NO	NO	2.50	20	344	*
TOTAL FOR PROJ NO. 2022CPT.01.09.20662.1										21.18		2,704	1
GRAND TOTAL										21.18		2,704	1

SIGNING FOR ASPHALT SURFACE TREATMENT








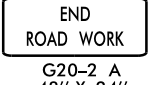
LEGEND

-  PORTABLE SIGN
-  STATIONARY SIGN
-  DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

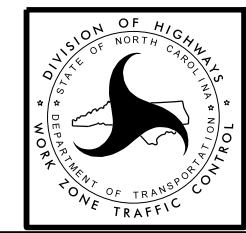
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①		W20-1 48" X 48"	- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<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;"> <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>
	②		W7-3aP 24" X 18"	- 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.	
	③		W8-7 48" X 48"	- 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.	
			SP 48" X 48"	- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	④		SP 13106 48" X 48"	- 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		G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN 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 START OF CONTRACT WORK.

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

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