

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

# PLANS

**Let Date: September 4, 2024**

**CONTRACT ID: DF00490**

**TIP NO.: -----**

**FEDERAL AID NO.: STATE FUNDED**

**WBS ELEMENT NO.: 2025CPT.06.04.20262.1**

**ROUTE NO.: VARIOUS**

**LOCATION: VARIOUS**

**COUNTY: CUMBERLAND**

**TYPE OF WORK: ASPHALT SURFACE TREATMENT – DOUBLE SEALS & HOT SPRAY  
THERMOPLASTIC PAVEMENT MARKINGS**

**LENGTH OF PROJECT: 20.54 MILES**

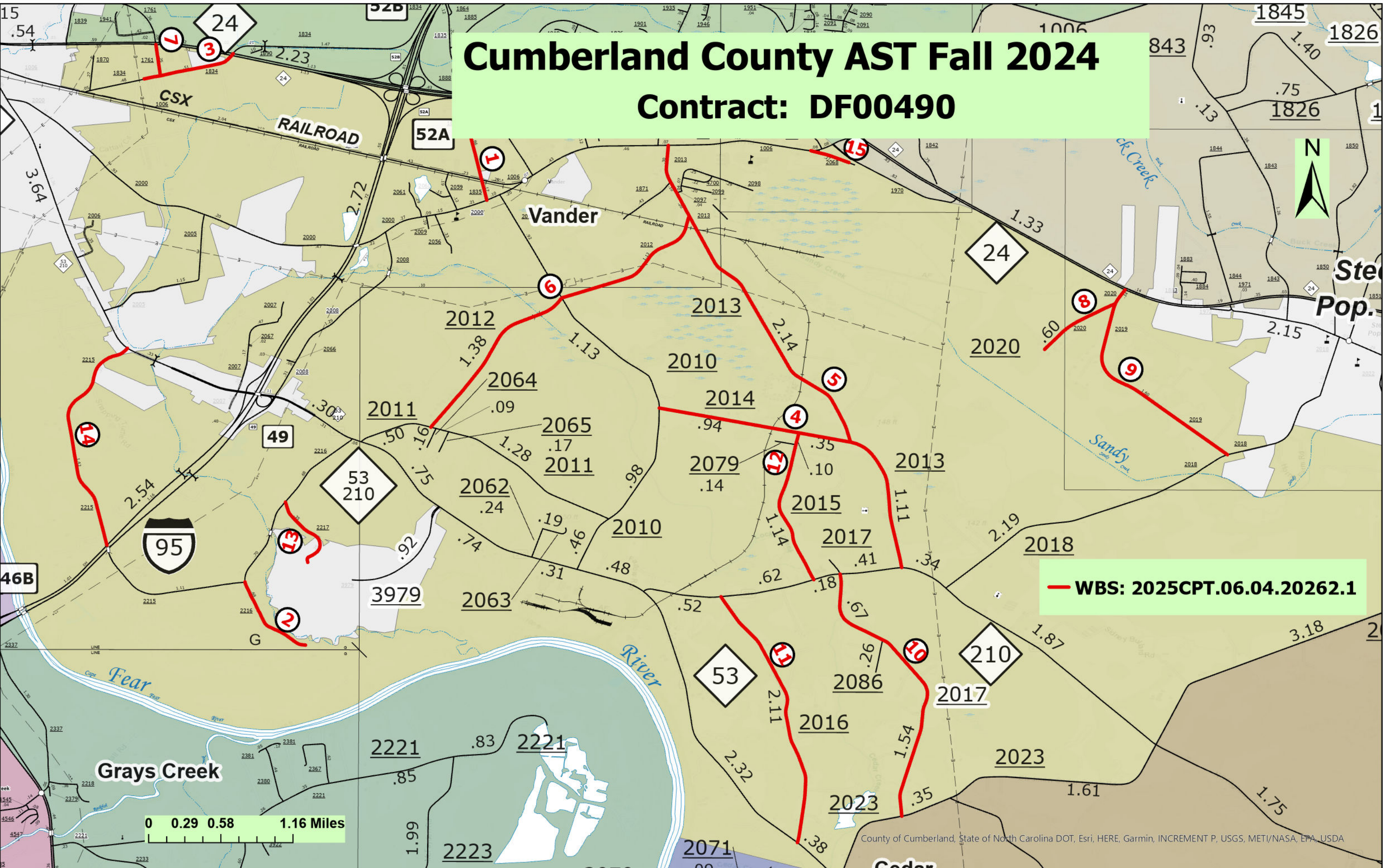
# Cumberland County AST Fall 2024

## Contract: DF00490



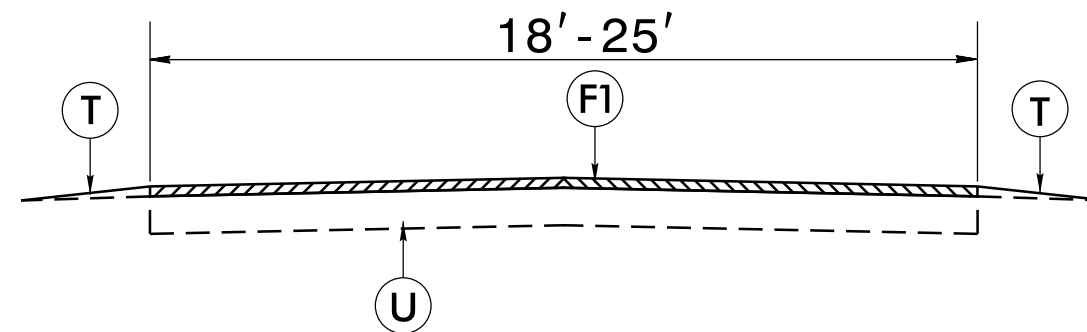
— WBS: 2025CPT.06.04.20262.1

0 0.29 0.58 1.16 Miles

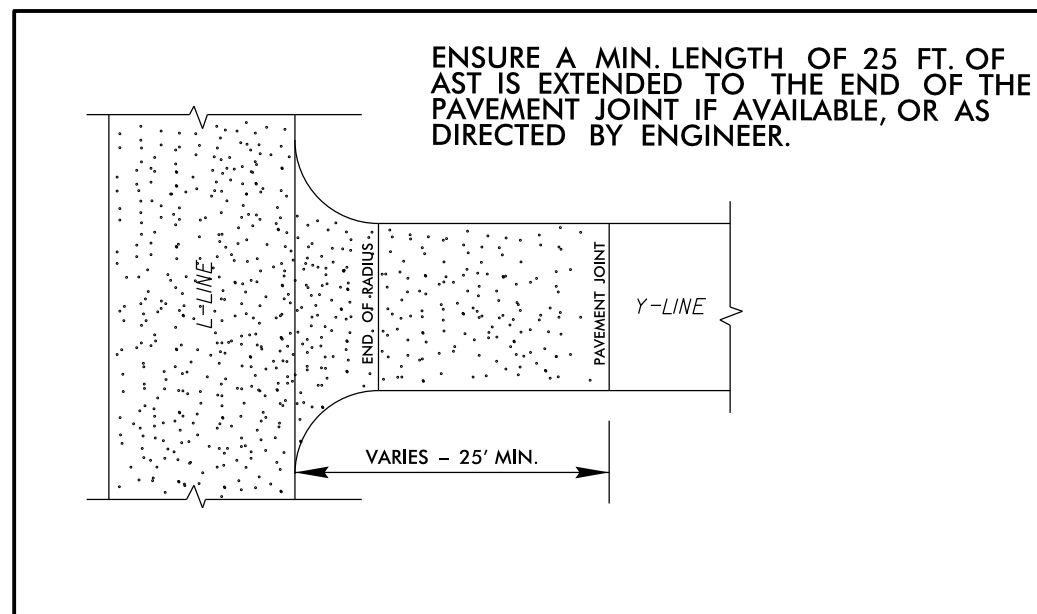


# PAVEMENT SCHEDULE

F1	DOUBLE SEAL PLACED ACCORDING TO THE SPECIAL PROVISION
T	EXISTING SHOULDER
U	EXISTING ASPHALT PAVEMENT



**TYPICAL SECTION NO. 1**

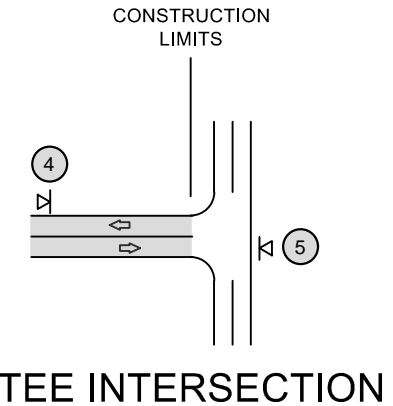
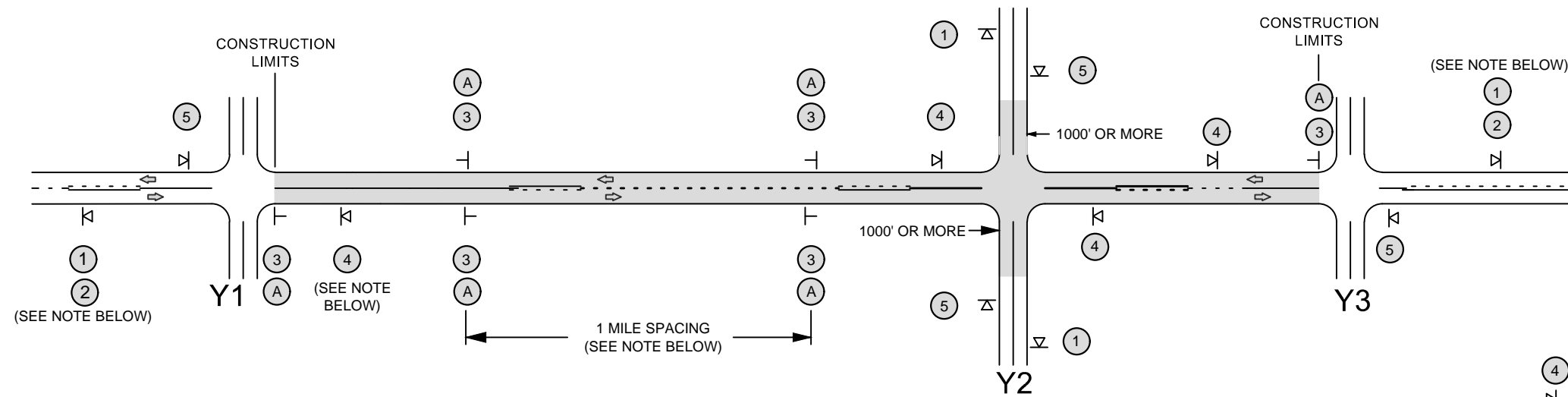


**DETAIL 1  
-Y- LINE INTERSECTION TREATMENT**

12-AUG-2024 16:55  
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 6/2/99

# SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND	
	PORTABLE SIGN
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

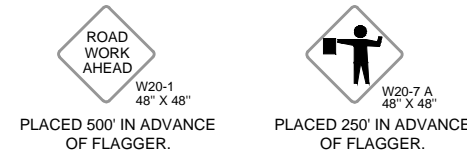
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①		- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
	②		- 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	 	- 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.  - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
	A		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. SPEED LIMIT SIGN MAY BE PLACED ON SAME POST AS LOOSE GRAVEL SIGN, IF DESIRED.
	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 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.		

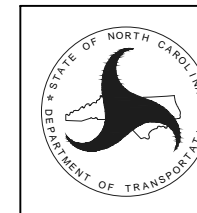
### STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



**NOTE:**  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE PROPER PLACEMENT AND LOCATION OF WORK ZONE SIGNING PER THE STANDARD DRAWING. NCDOT HAS THE RIGHT TO INSPECT THE PLANNED LOCATIONS AND REQUIRE ADJUSTMENT BY THE CONTRACTOR, AS NEEDED, OR AS DIRECTED BY THE ENGINEER.



REVISED - 12-13-2018  
NCDOT - DIVISION 6  
ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.04.20262		

## 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
										MI	FT			ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL
2025CPT.06.04.20262.1	Cumberland	1	SR-1835 / ROCK HILL RD	FROM MP 2.97 TO SR2000	1	2	2WU	NO	NO	0.55	20	2.97	3.52	6,453	3,876
<b>TOTAL FOR MAP NO. 1</b>										<b>0.55</b>				<b>6,453</b>	<b>3,876</b>
2025CPT.06.04.20262.1	Cumberland	2	SR-2216 / EVANS DAIRY RD	FROM SR2215 TO CUL DE SAC	1	2	2WU	NO	NO	0.68	21	1.38	2.06	9,215	5,068
<b>TOTAL FOR MAP NO. 2</b>										<b>0.68</b>				<b>9,215</b>	<b>5,068</b>
2025CPT.06.04.20262.1	Cumberland	3	SR-1834 / DOWNING RD	FROM NC24 TO SR1006	1	2	2WU	NO	NO	0.64	22	1.68	2.32	9,044	4,974
<b>TOTAL FOR MAP NO. 3</b>										<b>0.64</b>				<b>9,044</b>	<b>4,974</b>
2025CPT.06.04.20262.1	Cumberland	4	SR-2014 / MACEDONIA CHURCH RD	FROM SR2010 FROM SR2013	1	2	2WU	NO	NO	1.29	23	0	1.29	19,147	10,531
<b>TOTAL FOR MAP NO. 4</b>										<b>1.29</b>				<b>19,147</b>	<b>10,531</b>
2025CPT.06.04.20262.1	Cumberland	5	SR-2013 / MACEDONIA CHURCH RD	FROM SR1006 TO NC210	1	2	2WU	NO	NO	3.85	24	0	3.85	59,660	32,813
<b>TOTAL FOR MAP NO. 5</b>										<b>3.85</b>				<b>59,660</b>	<b>32,813</b>
2025CPT.06.04.20262.1	Cumberland	6	SR-2012 / SIDS MILL RD	FROM SR2013 TO SR2011	1	2	2WU	NO	NO	2.52	25	0	2.52	40,591	22,325
<b>TOTAL FOR MAP NO. 6</b>										<b>2.52</b>				<b>40,591</b>	<b>22,325</b>
2025CPT.06.04.20262.1	Cumberland	7	SR-1761 / WHITEHEAD RD	FROM SR1834 TO NC24	1	2	2WU	NO	NO	0.25	18	0	0.25	2,927	1,610
<b>TOTAL FOR MAP NO. 7</b>										<b>0.25</b>				<b>2,927</b>	<b>1,610</b>
2025CPT.06.04.20262.1	Cumberland	8	SR-2020 / ROB RD	FROM NC24 TO DEAD END	1	2	2WU	NO	NO	0.94	18	0	0.94	10,919	6,005
<b>TOTAL FOR MAP NO. 8</b>										<b>0.94</b>				<b>10,919</b>	<b>6,005</b>
2025CPT.06.04.20262.1	Cumberland	9	SR-2019 / FRED HALL RD	FROM SR2018 TO SR2020	1	2	2WU	NO	NO	1.6	20	0	1.6	20,676	11,372
<b>TOTAL FOR MAP NO. 9</b>										<b>1.6</b>				<b>20,676</b>	<b>11,372</b>
2025CPT.06.04.20262.1	Cumberland	10	SR-2017 / JOHN HALL RD	FROM SR2023 TO NC210	1	2	2WU	NO	NO	2.21	18	0	2.21	25,648	14,106
<b>TOTAL FOR MAP NO. 10</b>										<b>2.21</b>				<b>25,648</b>	<b>14,106</b>
2025CPT.06.04.20262.1	Cumberland	11	SR-2016 / CULBRETH RD	FROM NC210 TO NC53	1	2	2WU	NO	NO	2.11	18	0	2.11	24,498	13,474
<b>TOTAL FOR MAP NO. 11</b>										<b>2.11</b>				<b>24,498</b>	<b>13,474</b>
2025CPT.06.04.20262.1	Cumberland	12	SR-2015 / SEABROOK SCHOOL RD	FROM NC210 TO SR2014	1	2	2WU	NO	NO	1.24	18	0	1.24	14,381	7,910
<b>TOTAL FOR MAP NO. 12</b>										<b>1.24</b>				<b>14,381</b>	<b>7,910</b>
2025CPT.06.04.20262.1	Cumberland	13	SR-2217 / CLARK WEST RD	FROM SR2216 TO DEAD END	1	2	2WU	NO	NO	0.6	18	0	0.6	6,970	3,834
<b>TOTAL FOR MAP NO. 13</b>										<b>0.6</b>				<b>6,970</b>	<b>3,834</b>
2025CPT.06.04.20262.1	Cumberland	14	SR-2215 / FIELDS RD	FROM NC23 TO BRIDGE	1	2	2WU	NO	NO	1.79	20	0	1.79	23,038	12,671
<b>TOTAL FOR MAP NO. 14</b>										<b>1.79</b>				<b>23,038</b>	<b>12,671</b>
2025CPT.06.04.20262.1	Cumberland	15	SR-2068 / BLUE SAND HILL RD	FROM SR1006 TO DEAD END	1	2	2WU	NO	NO	0.27	18	0	0.27	3,136	1,725
<b>TOTAL FOR MAP NO. 15</b>										<b>0.27</b>				<b>3,136</b>	<b>1,725</b>
<b>TOTAL FOR PROJ NO. 2024CPT.06.04.20262.1</b>										<b>20.54</b>				<b>276,303</b>	<b>152,294</b>
<b>GRAND TOTAL</b>										<b>20.54</b>				<b>276,303</b>	<b>152,294</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.04.20262.1		

# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4890000000-E	4890000000-E
								MI	FT			WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	GENERIC MARKING ITEM 4" X 50 M WHITE THERMO (HOT SPRAY THERMOPLASTIC PAVEMENT MA	GENERIC MARKING ITEM 4" X 50 M YELLOW THERMO (HOT SPRAY THERMOPLASTIC PAVEMENT M
2025CPT.06.04.20262.1	Cumberland	1	SR-1835 / ROCK HILL RD	FROM MP 2.97 TO SR2000	1	2	2WU	0.55	20	2.97	3.52	112	1.00	5,766	4,324
<b>TOTAL FOR MAP NO. 1</b>								<b>0.55</b>				<b>112</b>	<b>1</b>	<b>5,766</b>	<b>4,324</b>
2025CPT.06.04.20262.1	Cumberland	2	SR-2216 / EVANS DAIRY RD	FROM SR2215 TO CUL DE SAC	1	2	2WU	0.68	21	1.38	2.06	112		7,181	5,386
<b>TOTAL FOR MAP NO. 2</b>								<b>0.68</b>				<b>112</b>		<b>7,181</b>	<b>5,386</b>
2025CPT.06.04.20262.1	Cumberland	3	SR-1834 / DOWNING RD	FROM NC24 TO SR1006	1	2	2WU	0.64	22	1.68	2.32	112		6,727	5,046
<b>TOTAL FOR MAP NO. 3</b>								<b>0.64</b>				<b>112</b>		<b>6,727</b>	<b>5,046</b>
2025CPT.06.04.20262.1	Cumberland	4	SR-2014 / MACEDONIA CHURCH RD	FROM SR2010 FROM SR2013	1	2	2WU	1.29	23	0	1.29	180		13,623	10,217
<b>TOTAL FOR MAP NO. 4</b>								<b>1.29</b>				<b>180</b>		<b>13,623</b>	<b>10,217</b>
2025CPT.06.04.20262.1	Cumberland	5	SR-2013 / MACEDONIA CHURCH RD	FROM SR1006 TO NC210	1	2	2WU	3.85	24	0	3.85	174		40,678	30,508
<b>TOTAL FOR MAP NO. 5</b>								<b>3.85</b>				<b>174</b>		<b>40,678</b>	<b>30,508</b>
2025CPT.06.04.20262.1	Cumberland	6	SR-2012 / SIDS MILL RD	FROM SR2013 TO SR2011	1	2	2WU	2.52	25	0	2.52	112		26,569	19,927
<b>TOTAL FOR MAP NO. 6</b>								<b>2.52</b>				<b>112</b>		<b>26,569</b>	<b>19,927</b>
2025CPT.06.04.20262.1	Cumberland	7	SR-1761 / WHITEHEAD RD	FROM SR1834 TO NC24	1	2	2WU	0.25	18	0	0.25	112		2,662	1,996
<b>TOTAL FOR MAP NO. 7</b>								<b>0.25</b>				<b>112</b>		<b>2,662</b>	<b>1,996</b>
2025CPT.06.04.20262.1	Cumberland	8	SR-2020 / ROB RD	FROM NC24 TO DEAD END	1	2	2WU	0.94	18	0	0.94	112			
<b>TOTAL FOR MAP NO. 8</b>								<b>0.94</b>				<b>112</b>			
2025CPT.06.04.20262.1	Cumberland	9	SR-2019 / FRED HALL RD	FROM SR2018 TO SR2020	1	2	2WU	1.6	20	0	1.6	180		18,164	13,625
<b>TOTAL FOR MAP NO. 9</b>								<b>1.6</b>				<b>180</b>		<b>18,164</b>	<b>13,625</b>
2025CPT.06.04.20262.1	Cumberland	10	SR-2017 / JOHN HALL RD	FROM SR2023 TO NC210	1	2	2WU	2.21	18	0	2.21	174		23,317	17,488
<b>TOTAL FOR MAP NO. 10</b>								<b>2.21</b>				<b>174</b>		<b>23,317</b>	<b>17,488</b>
2025CPT.06.04.20262.1	Cumberland	11	SR-2016 / CULBRETH RD	FROM NC210 TO NC53	1	2	2WU	2.11	18	0	2.11	112		22,272	16,704
<b>TOTAL FOR MAP NO. 11</b>								<b>2.11</b>				<b>112</b>		<b>22,272</b>	<b>16,704</b>
2025CPT.06.04.20262.1	Cumberland	12	SR-2015 / SEABROOK SCHOOL RD	FROM NC210 TO SR2014	1	2	2WU	1.24	18	0	1.24	84		13,074	9,805
<b>TOTAL FOR MAP NO. 12</b>								<b>1.24</b>				<b>84</b>		<b>13,074</b>	<b>9,805</b>
2025CPT.06.04.20262.1	Cumberland	13	SR-2217 / CLARK WEST RD	FROM SR2216 TO DEAD END	1	2	2WU	0.6	18	0	0.6	112		6,336	4,752
<b>TOTAL FOR MAP NO. 13</b>								<b>0.6</b>				<b>112</b>		<b>6,336</b>	<b>4,752</b>
2025CPT.06.04.20262.1	Cumberland	14	SR-2215 / FIELDS RD	FROM NC23 TO BRIDGE	1	2	2WU	1.79	20	0	1.79	112		18,850	14,138
<b>TOTAL FOR MAP NO. 14</b>								<b>1.79</b>				<b>112</b>		<b>18,850</b>	<b>14,138</b>
2025CPT.06.04.20262.1	Cumberland	15	SR-2068 / BLUE SAND HILL RD	FROM SR1006 TO DEAD END	1	2	2WU	0.27	18	0	0.27	2,027			
<b>TOTAL FOR MAP NO. 15</b>								<b>0.27</b>				<b>2,027</b>			
<b>TOTAL FOR PROJ NO. 2024CPT.06.04.20262.1</b>								<b>20.54</b>				<b>3,827</b>	<b>1.000</b>	<b>205,219</b>	<b>153,916</b>
<b>GRAND TOTAL</b>								<b>20.54</b>				<b>3,827</b>	<b>1.000</b>	<b>205,219</b>	<b>153,916</b>