

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

**PLANS**  
**Let Date: October 5, 2022**

**CONTRACT ID: DF00415**

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

**FEDERAL AID NO.: STATE FUNDED**

**WBS ELEMENT NO.: 2023CPT.06.05.20242.1**

**ROUTE NO.: VARIOUS SR**

**LOCATION: VARIOUS**

**COUNTY: COLUMBUS**

**TYPE OF WORK: ASPHALT SURFACE TREATMENT – DOUBLE SEALS**

**LENGTH OF PROJECT: 15.304 MILES**

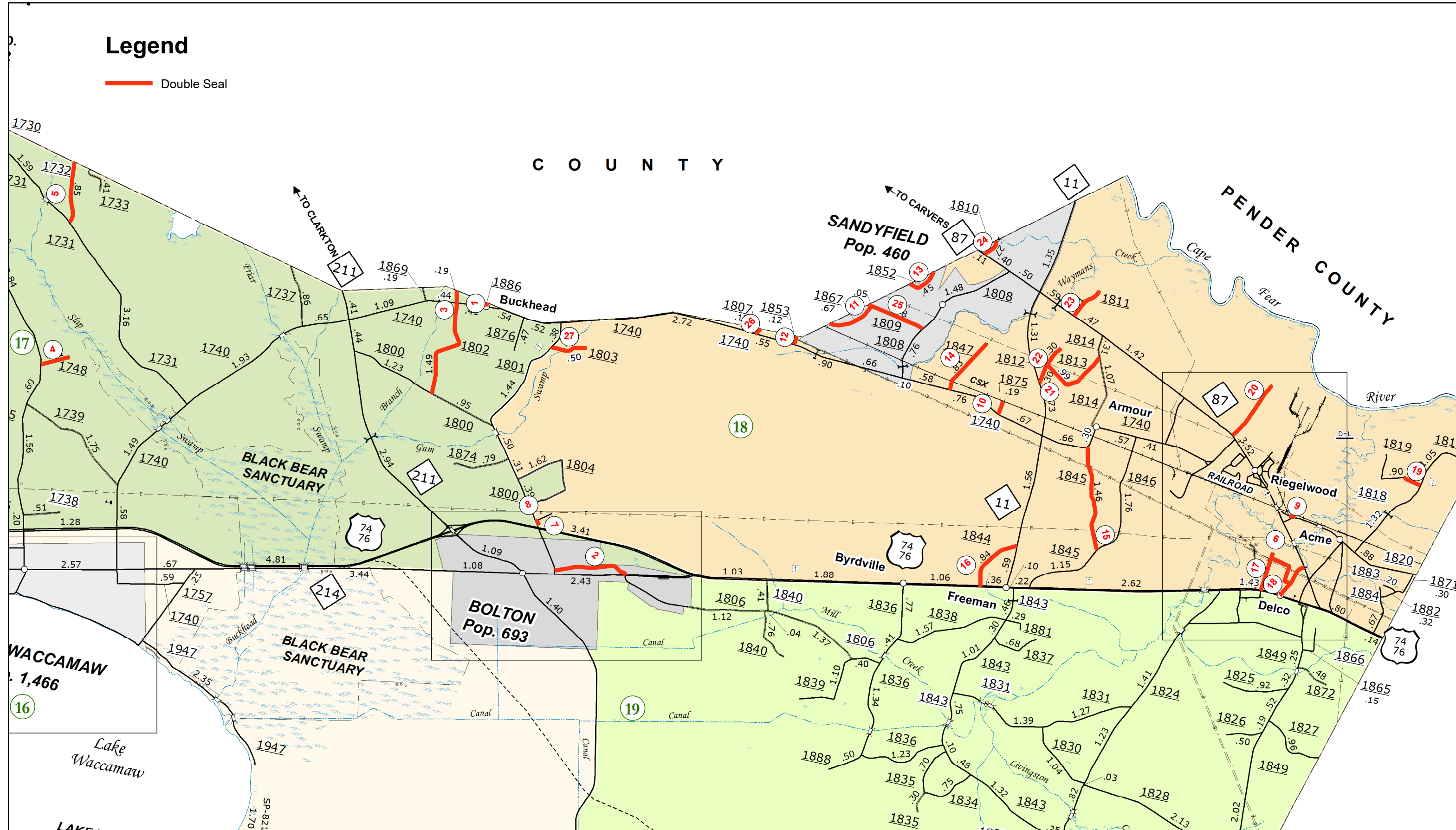
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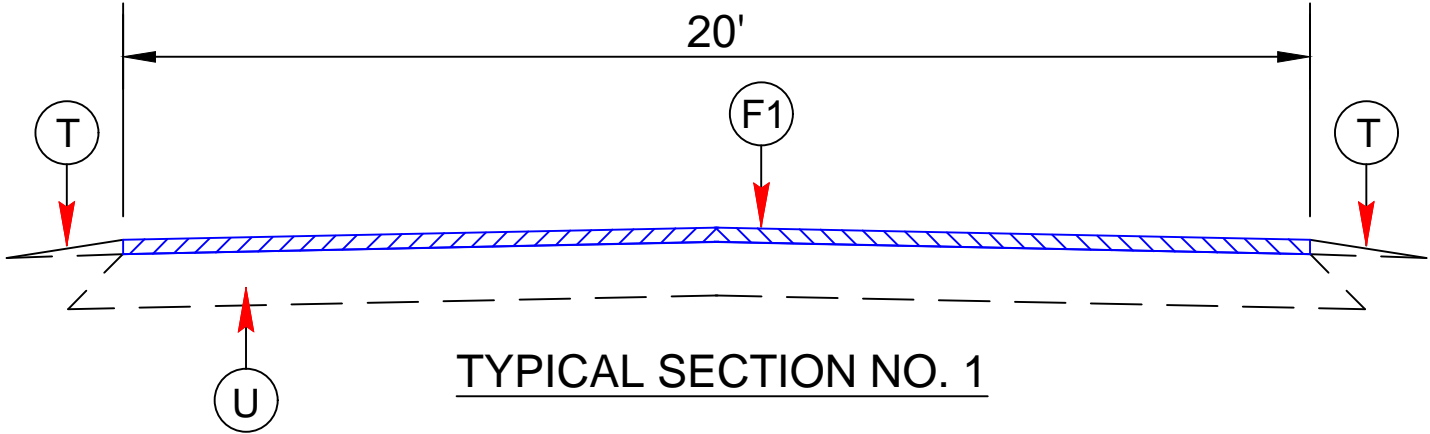
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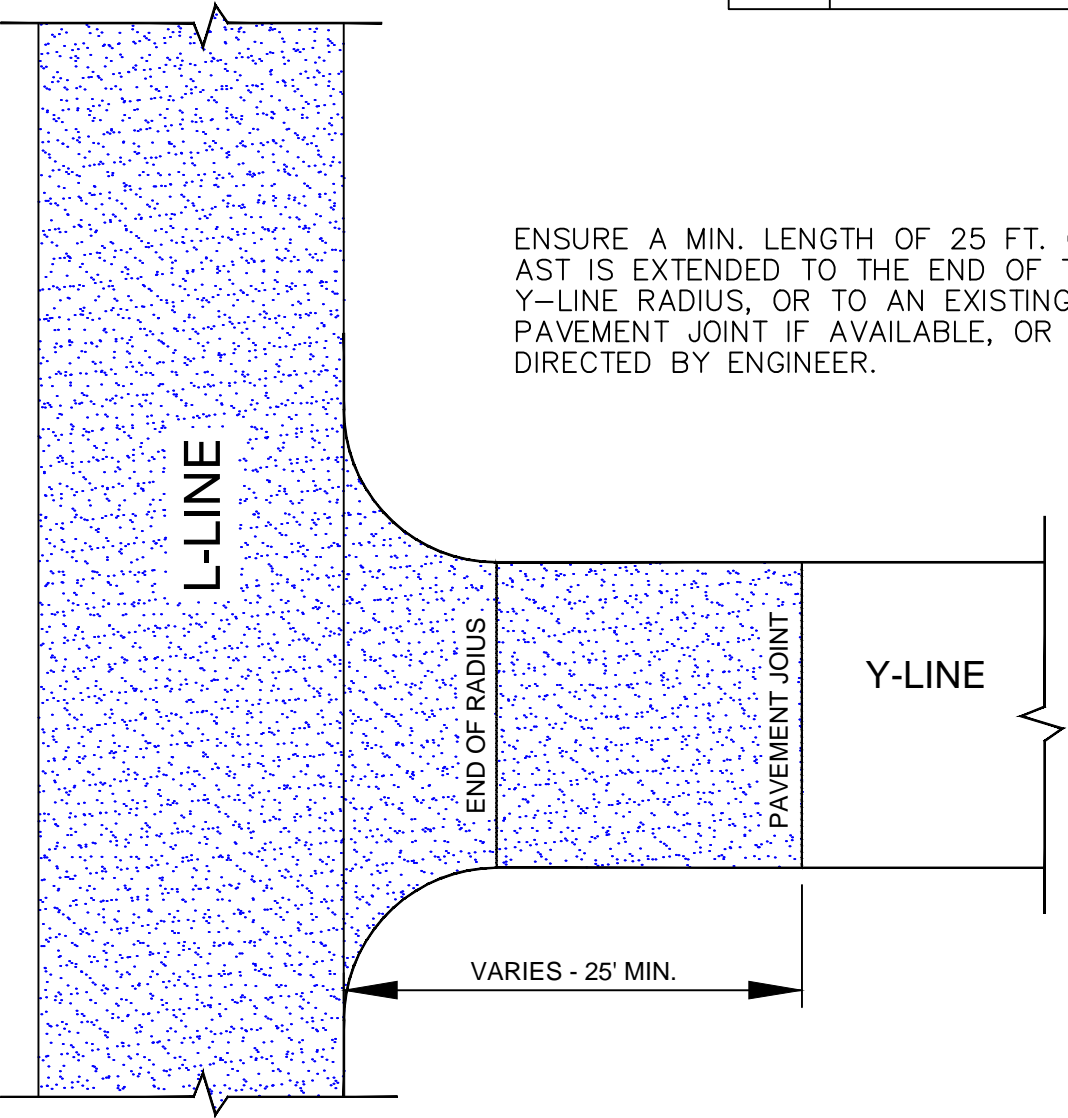
Date: 9/12/2022  
Contract #: DF00415  
WBS: 2023CPT.06.05.20242.1

Division : 6  
County: Columbus  
Description: AST - Double Seals





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



DETAIL 1  
Y-LINE INTERSECTION TREATMENT

SUMMARY OF QUANTITIES												PROJECT NO.		SHEET NO.	TOTAL NO.
												2023CPT.06.05.20242.1			
												1803500000-E	1838000000-E	4413000000-E	4457000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
												SY	GAL	SF	LS
2023CPT.06.05.20242.1	Columbus	1	SR 1886	FROM SR 1740 TO BLADEN CL	1	2	2WU	NO	NO	0.057	20	736	405	112	1
TOTAL FOR MAP NO. 1										0.057		736	405	112	1
2023CPT.06.05.20242.1	Columbus	2	SR 1806	FROM NC 214 TO SR 1800	1	2	2WU	NO	NO	1.040	20	13,423	7,383	112	
TOTAL FOR MAP NO. 2										1.040		13,423	7,383	112	
2023CPT.06.05.20242.1	Columbus	3	SR 1802	FROM BLADEN CL TO SR 1800	1	2	2WU	NO	NO	1.658	20	21,399	11,769	112	
TOTAL FOR MAP NO. 3										1.658		21,399	11,769	112	
2023CPT.06.05.20242.1	Columbus	4	SR 1748	FROMSR 1735 TO END PVMT.	1	2	2WU	NO	NO	0.410	20	5,292	2,911	84	
TOTAL FOR MAP NO. 4										0.410		5,292	2,911	84	
2023CPT.06.05.20242.1	Columbus	5	SR 1732	FROM BLADEN CL TO SR 1731	1	2	2WU	NO	NO	0.850	20	10,971	6,034	112	
TOTAL FOR MAP NO. 5										0.850		10,971	6,034	112	
2023CPT.06.05.20242.1	Columbus	6	SR 1892	FROM SR 1821 TO SR 1822	1	2	2WU	NO	NO	0.570	20	7,357	4,046	112	
TOTAL FOR MAP NO. 6										0.570		7,357	4,046	112	
2023CPT.06.05.20242.1	Columbus	7	SR 1890	FROM SR 1889 TO DEAD END	1	2	2WU	NO	NO	0.068	20	878	483	84	
TOTAL FOR MAP NO. 7										0.068		878	483	84	
2023CPT.06.05.20242.1	Columbus	8	SR 1889	FROM SR 1800 TO END SECT.	1	2	2WU	NO	NO	0.030	20	387	213	112	
TOTAL FOR MAP NO. 8										0.030		387	213	112	
2023CPT.06.05.20242.1	Columbus	9	SR 1877	FROM SR 1878 TO END SECT.	1	2	2WU	NO	NO	0.074	20	955	525	112	
TOTAL FOR MAP NO. 9										0.074		955	525	112	
2023CPT.06.05.20242.1	Columbus	10	SR 1875	FROM SR 1740 TO DEAD END	1	2	2WU	NO	NO	0.190	20	2,452	1,349	84	
TOTAL FOR MAP NO. 10										0.190		2,452	1,349	84	
2023CPT.06.05.20242.1	Columbus	11	SR 1867	FROM SR 1809 TO BLADEN CL	1	2	2WU	NO	NO	0.672	20	8,673	4,770	112	
TOTAL FOR MAP NO. 11										0.672		8,673	4,770	112	
2023CPT.06.05.20242.1	Columbus	12	SR 1853	FROM BLADEN CL TO SR 1740	1	2	2WU	NO	NO	0.121	20	1,562	859	112	
TOTAL FOR MAP NO. 12										0.121		1,562	859	112	
2023CPT.06.05.20242.1	Columbus	13	SR 1852	FROM BLADEN CL TO BLADEN CL	1	2	2WU	NO	NO	0.445	20	5,743	3,159	112	
TOTAL FOR MAP NO. 13										0.445		5,743	3,159	112	
2023CPT.06.05.20242.1	Columbus	14	SR 1847	FROM SR 1740 TO DEAD END	1	2	2WU	NO	NO	0.830	20	10,713	5,892	84	
TOTAL FOR MAP NO. 14										0.830		10,713	5,892	84	
2023CPT.06.05.20242.1	Columbus	15	SR 1845	FROM SR 1740 TO SR 1846	1	2	2WU	NO	NO	1.460	20	18,844	10,364	112	
TOTAL FOR MAP NO. 15										1.460		18,844	10,364	112	
2023CPT.06.05.20242.1	Columbus	16	SR 1844	FROM US 74 TO NC 11	1	2	2WU	NO	NO	0.860	20	11,100	6,105	112	
TOTAL FOR MAP NO. 16										0.860		11,100	6,105	112	
2023CPT.06.05.20242.1	Columbus	17	SR 1822	FROM US 74 TO DEAD END	1	2	2WU	NO	NO	0.552	20	7,124	3,918	84	
TOTAL FOR MAP NO. 17										0.552		7,124	3,918	84	
2023CPT.06.05.20242.1	Columbus	18	SR 1821	FROM US 74 TO DEAD END	1	2	2WU	NO	NO	0.529	20	6,828	3,755	84	
TOTAL FOR MAP NO. 18										0.529		6,828	3,755	84	
2023CPT.06.05.20242.1	Columbus	19	SR 1819	FROM SR 1818 TO END MAINT.	1	2	2WU	NO	NO	0.250	20	3,227	1,775	112	
TOTAL FOR MAP NO. 19										0.250		3,227	1,775	112	
2023CPT.06.05.20242.1	Columbus	20	SR 1816	FROM NC 87 TO END MAINT.	1	2	2WU	NO	NO	0.880	20	11,358	6,247	112	
TOTAL FOR MAP NO. 20										0.880		11,358	6,247	112	
2023CPT.06.05.20242.1	Columbus	21	SR 1813	FROM SR 1812 TO SR 1814	1	2	2WU	NO	NO	0.990	20	12,778	7,028	112	
TOTAL FOR MAP NO. 21										0.990		12,778	7,028	112	
2023CPT.06.05.20242.1	Columbus	22	SR 1812	FROM NC 11 TO CUL-DE-SAC	1	2	2WU	NO	NO	0.580	20	7,486	4,117	84	
TOTAL FOR MAP NO. 22										0.580		7,486	4,117	84	
2023CPT.06.05.20242.1	Columbus	23	SR 1811	FROM NC 87 TO DEAD END	1	2	2WU	NO	NO	0.500	20	6,453	3,549	84	
TOTAL FOR MAP NO. 23										0.500		6,453	3,549	84	
2023CPT.06.05.20242.1	Columbus	24	SR 1810	FROM BLADEN CL TO NC 87	1	2	2WU	NO	NO	0.265	20	3,420	1,881	112	
TOTAL FOR MAP NO. 24										0.265		3,420	1,881	112	
2023CPT.06.05.20242.1	Columbus	25	SR 1809	FROM BLADEN CL TO SR 1808	1	2	2WU	NO	NO	0.827	20	10,674	5,871	112	
TOTAL FOR MAP NO. 25										0.827		10,674	5,871	112	
2023CPT.06.05.20242.1	Columbus	26	SR 1807	FROM BLADEN CL TO SR 1740	1	2	2WU	NO	NO	0.096	20	1,239	681	112	
TOTAL FOR MAP NO. 26										0.096		1,239	681	112	
2023CPT.06.05.20242.1	Columbus	27	SR 1803	FROM SR 1801 TO END MAINT.	1	2	2WU	NO	NO	0.500	20	6,453	3,549	112	
TOTAL FOR MAP NO. 27										0.500		6,453	3,549	112	
TOTAL FOR PROJ NO. 2023CPT.06.05.20242.1										15.304		197,525	108,638	2,800	1
GRAND TOTAL										15.304		197,525	108,638	2,800	1

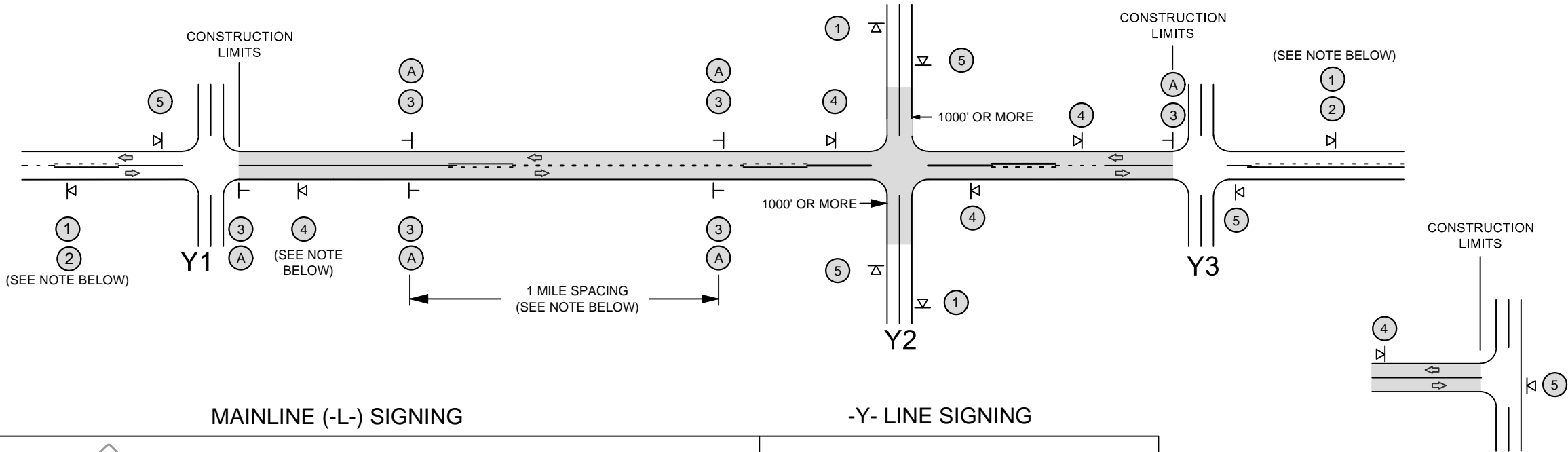
SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

PORTABLE SIGN

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<div>①</div> <div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div></div> <div><div>②</div><div><div>NEXT XX MILES</div><div>W7-3aP 24" X 18"</div></div></div> <div><div>- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</div><div>- 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.</div></div>	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 SHALLE BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.  <div><div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div></div><div>PLACED 500' IN ADVANCE OF FLAGGER.</div></div> <div><div><div>ROAD WORK AHEAD</div><div>W20-7 A 48" X 48"</div></div><div>PLACED 250' IN ADVANCE OF FLAGGER.</div></div>
	<div>③</div> <div><div>LOOSE GRAVEL</div><div>W8-7 48" X 48"</div></div> <div><div>UNMARKED PAVEMENT</div><div>SP 48" X 48"</div></div> <div><div>- ALTERNATE THE FOLLOWING TWO SIGNS:</div><div>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</div><div>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.</div><div>- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</div></div>	
	<div>Ⓐ</div> <div><div>SPEED LIMIT 35</div><div>W13-1P 18" X 18"</div></div> <div>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.</div>	
	<div>④</div> <div><div>ROAD UNDER CONST</div><div>SP 13106 48" X 48"</div></div> <div><div>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</div><div>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</div><div>- 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.</div><div>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</div></div>	
	<div>⑤</div> <div><div>END ROAD WORK</div><div>G20-2 A 48" X 24"</div></div> <div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</div>	
	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.	
LESS 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.	<div>NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE PLACEMENT AND LOCATION OF WORK ZONE SIGNS. NCDOT HAS THE RIGHT TO REVIEW AND APPROVE THE SIGNING PLAN AND REQUIRE ADJUSTMENT BY THE ENGINEER.</div>

TEE INTERSECTION

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