

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

# PLANS

**Let Date: January 16, 2019**

**CONTRACT ID: DF00243**

**WBS ELEMENT NO.: 2020CPT.06.07.20782.1**

**FEDERAL AID NO.: STATE FUNDED**

**COUNTY: ROBESON**

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

**LENGTH OF PROJECT: 47.785 MILES**

**ROUTE NO.: VARIOUS SECONDARY ROUTES**

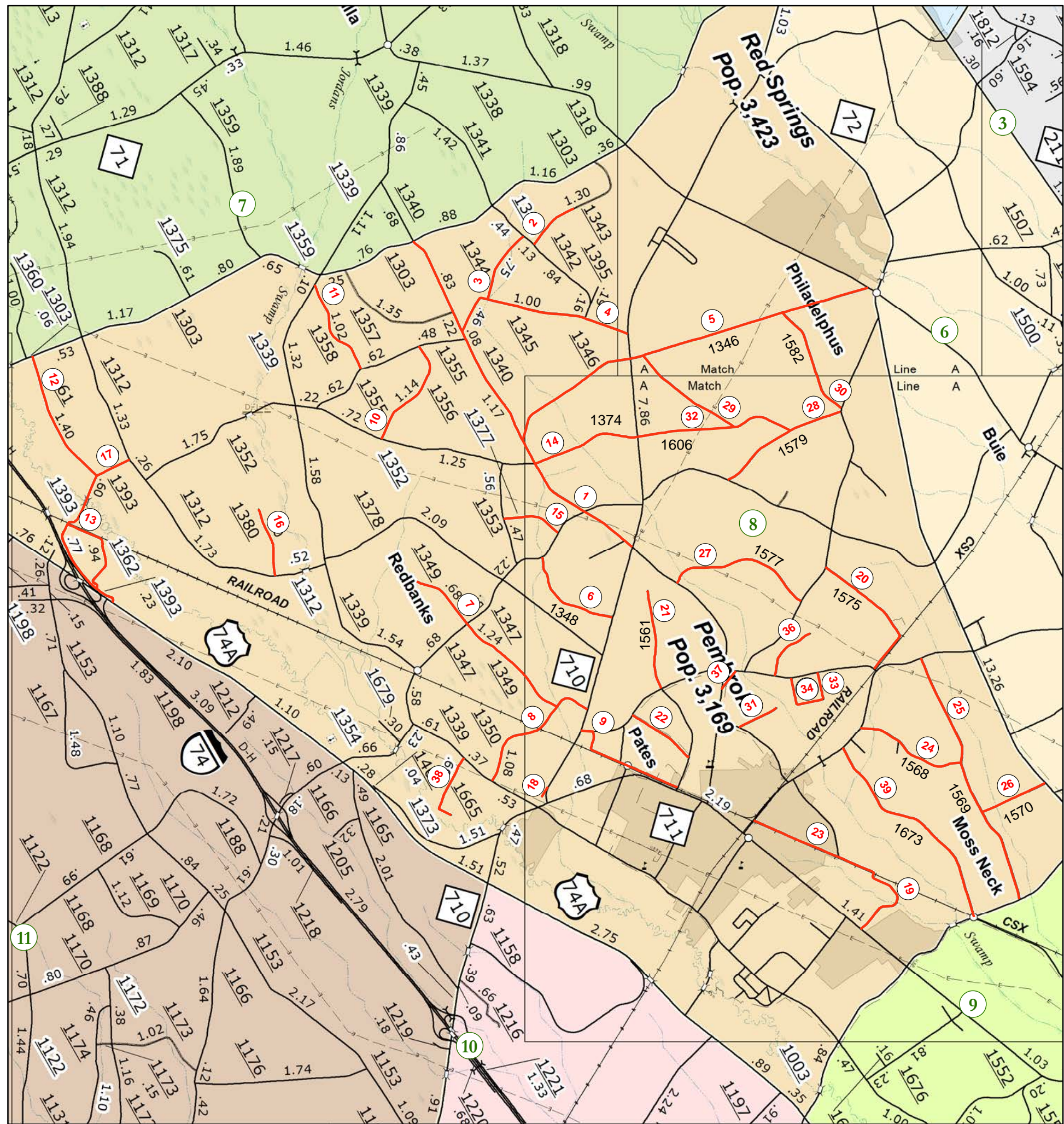
**LOCATION: VARIOUS**

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

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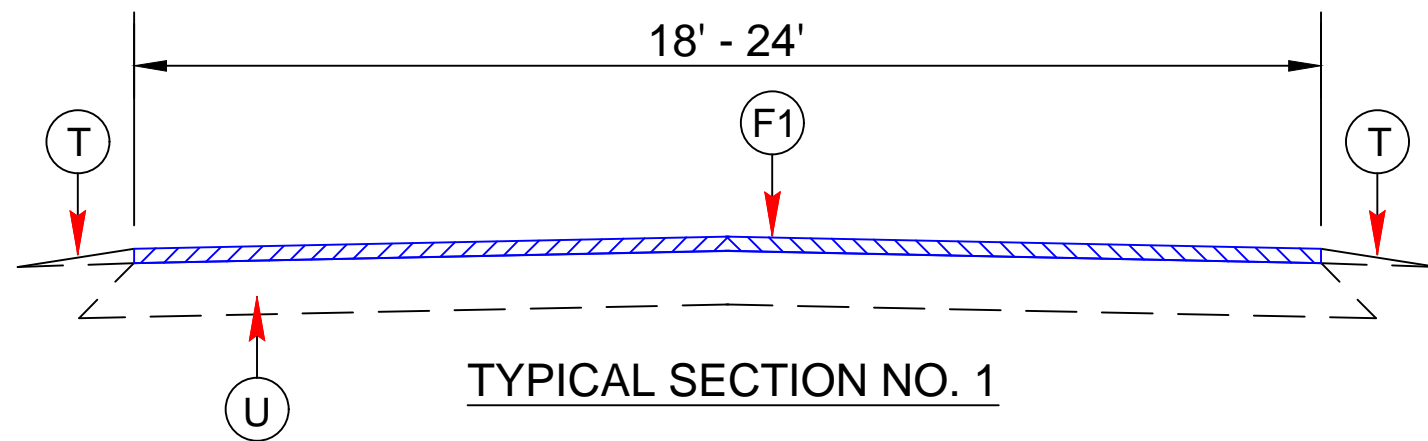
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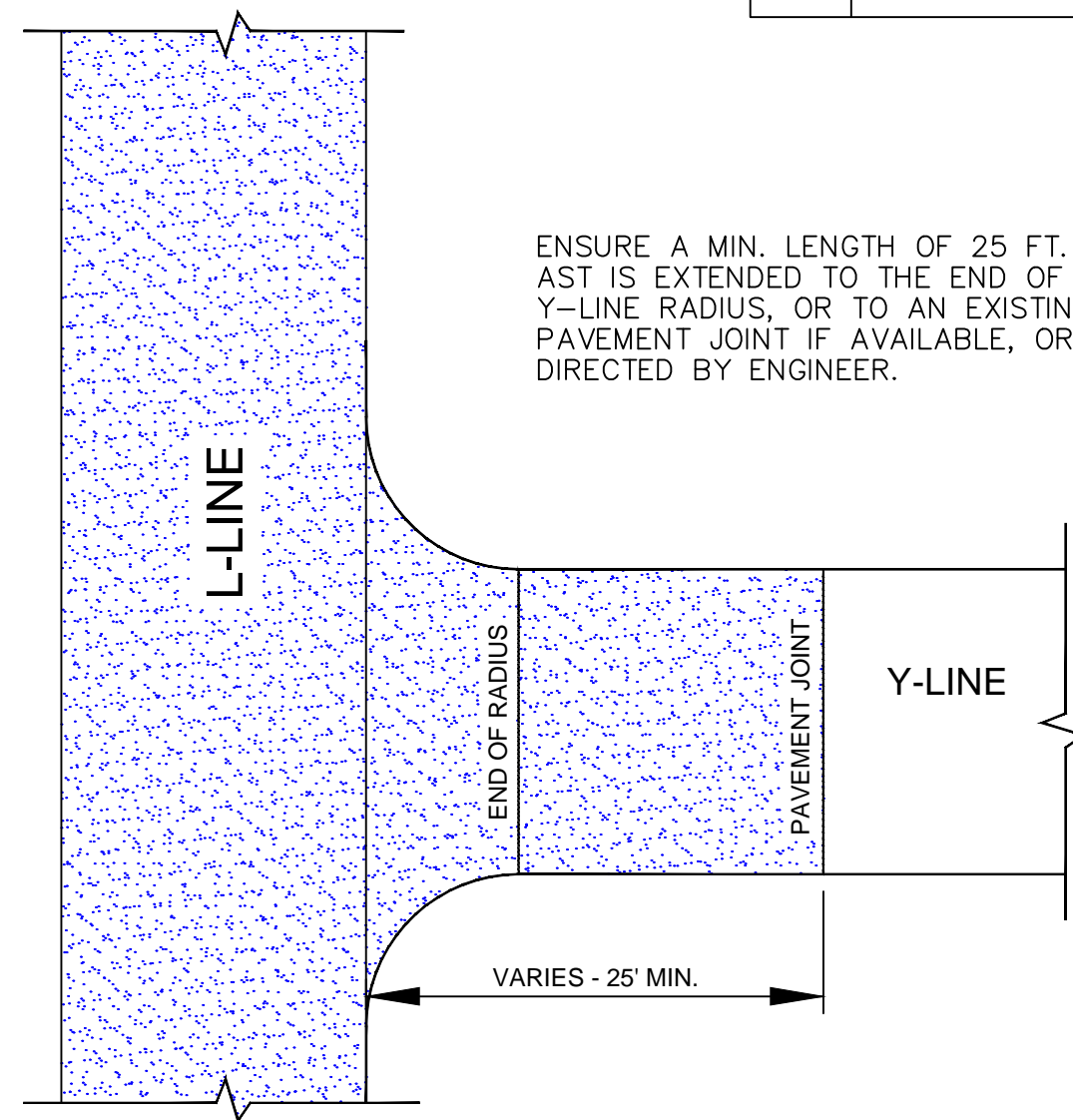


Contract #: **DF00243**  
 WBS: **2020CPT.06.07.20782.1**  
 Division : **6**  
 County: **Robeson**  
 Description: **AST - Double Seals**

Map	Route	From	Begin MP	To	End MP	CL Length (Mile)	Width (Ft.)	Yardage + 10% (SY)	Emulsion (GAL)	WZ Signs (SF)	Treatment
1	SR 1340	SR 1303	0.680	NC 710	4.540	3.860	24	59,784	32,881	272	Double
2	SR 1343	SR 1342	0.000	END PVMT	0.550	0.550	20	7,099	3,904	112	Double
3	SR 1344	SR 342	0.000	SR 1345	0.750	0.750	20	9,680	5,324	112	Double
4	SR 1345	SR 1340	0.000	NC 710	1.920	1.920	20	24,781	13,630	112	Double
5	SR 1346	SR 1340	0.000	SR 1318	3.920	3.920	20	50,594	27,827	276	Double
6	SR 1348	NC 710	0.000	SR 1347	1.040	1.040	20	13,423	7,383	112	Double
7	SR 1349	SR 1350	0.000	DEAD END	1.920	1.920	20	24,781	13,630	84	Double
8	SR 1350	NC 710	0.000	SR 1339	1.450	1.450	20	18,715	10,293	112	Double
9	SR 1351	NC 710	0.000	SR 1561	1.254	1.254	20	16,185	8,902	112	Double
10	SR 1356	SR 1352	0.000	SR 1355	1.140	1.140	20	14,714	8,093	112	Double
11	SR 1358	SR 1339	0.000	SR 1355	1.010	1.010	20	13,036	7,170	112	Double
12	SR 1361	SR 1303	0.000	SR 1393	1.400	1.400	20	18,069	9,938	112	Double
13	SR 1362	SR 1393	0.000	SR 1393	0.940	0.940	20	12,132	6,673	112	Double
14	SR 1374	NC 710	0.000	SR 1340	1.100	1.100	20	14,197	7,808	112	Double
15	SR 1377	SR 1347	0.000	SR 1353	0.610	0.610	20	7,873	4,330	112	Double
16	SR 1380	SR 1312	0.000	DEAD END	0.700	0.700	20	9,035	4,969	84	Double
17	SR 1393	SR 1312	0.000	US 74	1.975	1.975	18	22,942	12,618	112	Double
18	SR 1394	NC 710	0.000	DEAD END	0.120	0.120	20	1,549	852	84	Double
19	SR 1571	NC 711	0.000	MP 1.55	0.668	0.668	22	9,484	5,216	112	Double
20	SR 1575	SR 1515	0.000	SR 1578	1.453	1.453	20	18,753	10,314	112	Double
21	SR 1561	SR 1515	1.149	DEAD END	2.157	1.008	20	13,010	7,156	84	Double
22	SR 1562	SR 1561	0.000	SR 1515	0.711	0.711	20	9,177	5,047	112	Double
23	SR 1564	SR 1563	0.000	MP 1.55	1.550	1.550	20	20,005	11,003	112	Double
24	SR 1568	SR 1569	0.000	SR 1563	1.140	1.140	20	14,714	8,093	112	Double
25	SR 1569	SR 1515	0.000	SR 1003	2.655	2.655	20	34,267	18,847	205	Double
26	SR 1570	NC 72	0.000	SR 1569	0.700	0.700	20	9,035	4,969	112	Double
27	SR 1577	SR 1340	0.000	SR 1578	1.500	1.500	20	19,360	10,648	112	Double
28	SR 1579	SR 1578	0.000	R 1576	1.350	1.350	20	17,424	9,583	112	Double
29	SR 1580	SR 1346	0.000	SR 1579	1.800	1.800	20	23,232	12,778	112	Double
30	SR 1582	SR 1578	0.000	SR 1346	1.160	1.160	20	14,972	8,235	112	Double
31	SR 1584	SR 1566	0.000	DEAD END	0.420	0.420	20	5,421	2,982	84	Double
32	SR 1606	NC 710	0.000	SR 1580	0.980	0.980	20	12,649	6,957	112	Double
33	SR 1626	SR 1515	0.000	SR 1627	0.280	0.280	20	3,614	1,988	112	Double
34	SR 1627	SR 1626	0.000	SR 1628	0.270	0.270	20	3,485	1,917	112	Double
35	SR 1628	SR 1515	0.000	SR 1627	0.270	0.270	20	3,485	1,917	112	Double
36	SR 1636	SR 1515	0.000	DEAD END	0.600	0.600	20	7,744	4,259	84	Double
37	SR 1663	SR 1515	0.000	SR 1340	0.230	0.230	20	2,969	1,633	112	Double
38	SR 1665	SR 1339	0.000	DEAD END	0.711	0.711	20	9,177	5,047	84	Double
39	SR 1673	SR 1563	0.000	SR 1003	2.270	2.270	20	29,298	16,114	183	Double
<b>TOTALS:</b>						<b>47.385</b>		<b>619,864</b>	<b>340,928</b>	<b>4,660</b>	



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



**DETAIL 1**  
Y-LINE INTERSECTION TREATMENT

**Schedule of Quantities**

Date: 12/20/2018  
 Contract #: DF00243  
 WBS: 2020CPT.06.07.20782.1

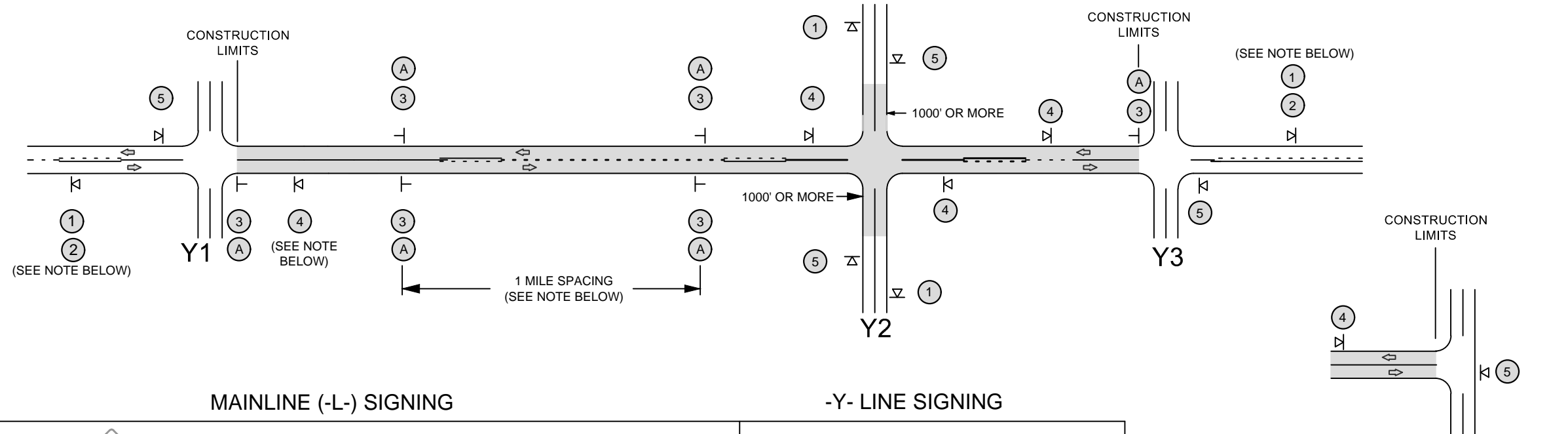
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# SIGNING FOR ASPHALT SURFACE TREATMENT

**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>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>A SPEED LIMIT 35 W13-1P 18" X 18"</p>	<p>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.</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>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>

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

- LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- SUBDIVISION ROADS
- 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.

W20-1 48" X 48"

PLACED 500' IN ADVANCE OF FLAGGER.

W20-7 A 48" X 48"

PLACED 250' IN ADVANCE OF FLAGGER.

**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.

**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.

REVISED - 12-13-2018

NCDOT - DIVISION 6

ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

