

**CONTRACT: DA00385 WBS ELEMENT: 2018CPT.01.15.20082.1, ETC.**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

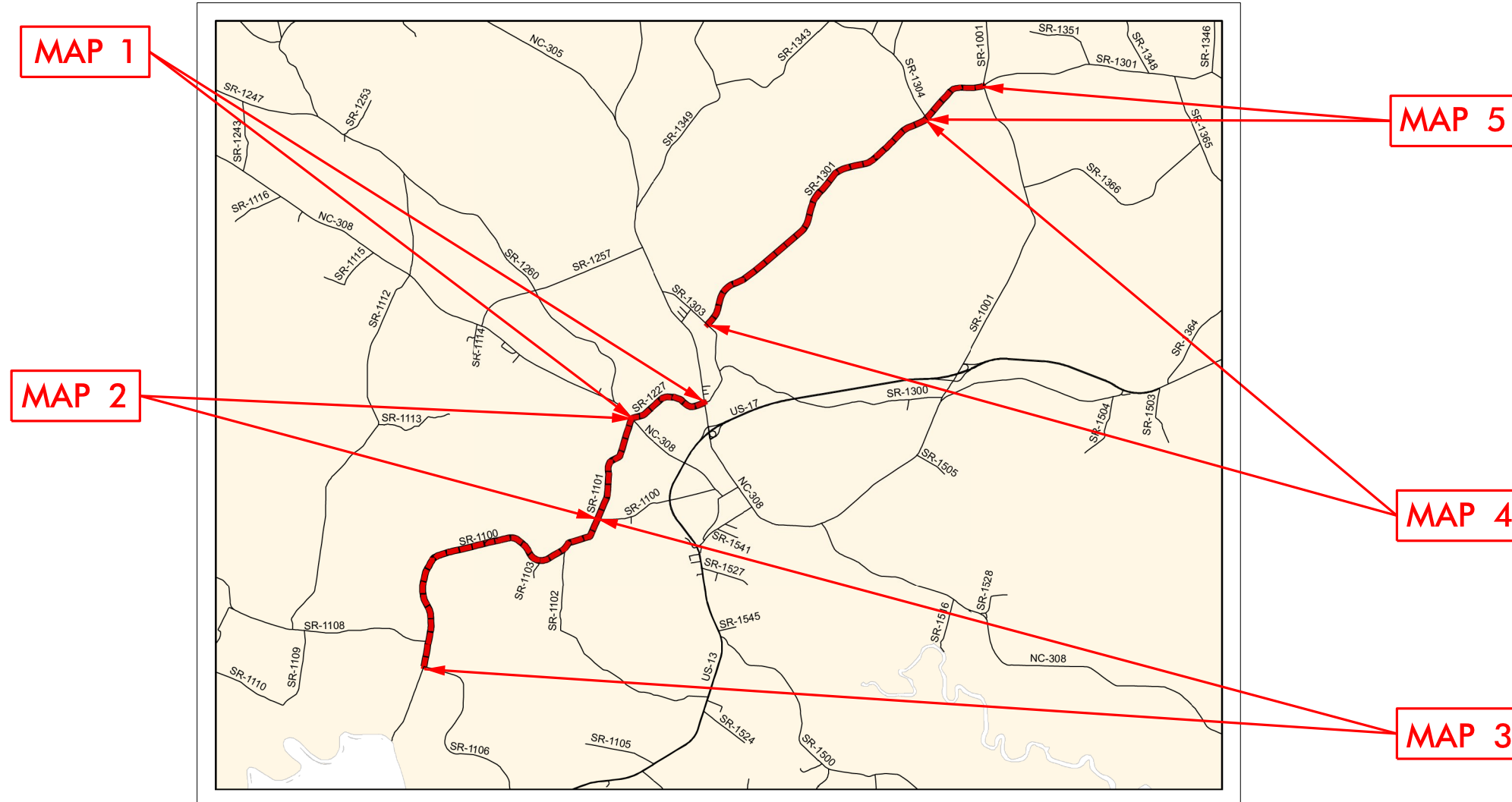
**BERTIE COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2018CPT.01.15.20082.1, ETC.	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2018CPT.01.15.20082.1		MAP 1	
2018CPT.01.15.20082.1		MAP 2	
2018CPT.01.15.20082.1		MAP 3	
2018CPT.01.15.20082.1		MAP 4	
2018CPT.01.15.20082.1		MAP 5	

LOCATION: MAP 1 – SR 1227 – FROM US 13 TO NC 308  
 MAP 2 – SR 1101 – FROM NC 308 TO SR 1100  
 MAP 3 – SR 1100 – FROM SR 1101 TO END PAVEMENT

MAP 4 – SR 1301 – FROM SR 1303 TO SR 1304  
 MAP 5 – SR 1301 – FROM SR 1001 TO SR 1304

TYPE OF WORK: ASPHALT SURFACE TREATMENT, DOUBLE SEAL



NOT TO SCALE

**PROJECT LENGTH**

LENGTH OF MAP 1 = 1.28 MI.  
 LENGTH OF MAP 2 = 1.69 MI.  
 LENGTH OF MAP 3 = 4.75 MI.  
 LENGTH OF MAP 4 = 4.80 MI.  
 LENGTH OF MAP 5 = 1.10 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
 113 Airport Dr., Edenton NC, 27932

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2018 STANDARD SPECIFICATIONS

LETTING DATE: \_\_\_\_\_

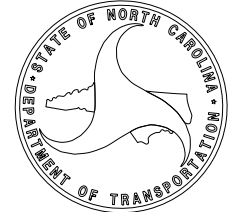
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**W.B. HOBBS, P.E.**  
 DIVISION PROJECT MANAGER

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**C.E. SLACHTA**  
 DIVISION PROPOSALS ENGINEER

**DIVISION OF HIGHWAYS**  
 STATE OF NORTH CAROLINA



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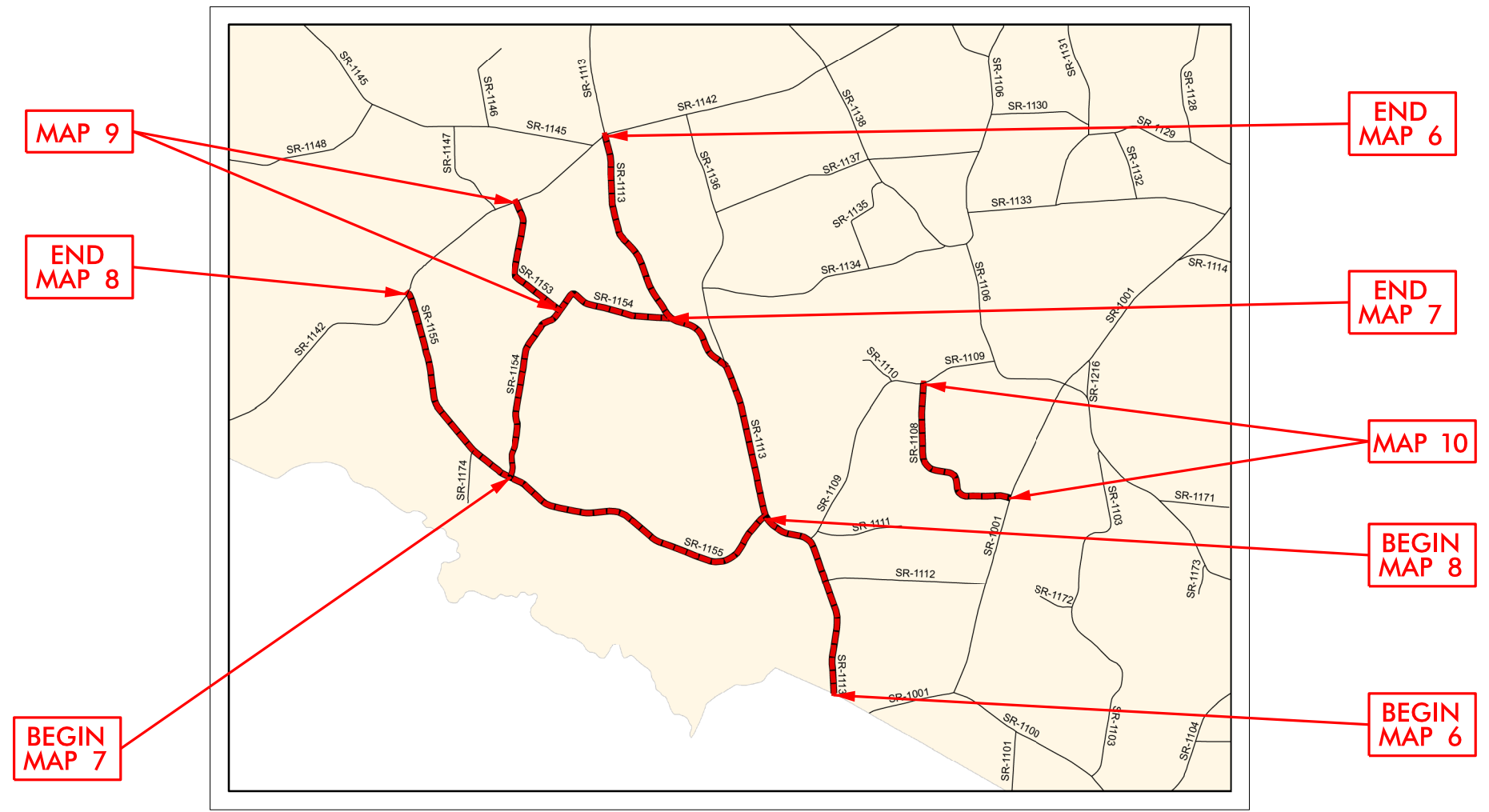


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**MARTIN COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2018CPT.01.15.20082.1, ETC.	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2018CPT.01.15.20582.1		MAP 6	
2018CPT.01.15.20582.1		MAP 7	
2018CPT.01.15.20582.1		MAP 8	
2018CPT.01.15.20582.1		MAP 9	
2018CPT.01.15.20582.1		MAP 10	

**LOCATION:** MAP 6 – SR 1113 – FROM BEAUFORT CO. TO SR 1142  
 MAP 7 – SR 1154 – FROM SR 1155 TO SR 1113  
 MAP 8 – SR 1155 – FROM SR 1113 TO SR 1142  
 MAP 9 – SR 1153 – FROM SR 1154 TO SR 1142  
 MAP 10 – SR 1108 – FROM SR 1109 TO SR 1001

**TYPE OF WORK:** ASPHALT SURFACE TREATMENT, DOUBLE SEAL



**NOT TO SCALE**

**PROJECT LENGTH**

- LENGTH OF MAP 6 = 4.29 MI.
- LENGTH OF MAP 7 = 2.05 MI.
- LENGTH OF MAP 8 = 3.48 MI.
- LENGTH OF MAP 9 = 0.89 MI.
- LENGTH OF MAP 10 = 1.22 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

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2018 STANDARD SPECIFICATIONS

LETTING DATE: \_\_\_\_\_

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**DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**

NOTES:

\*ALL PAVED S.R. ROADS TO BE TREATED TO THE ENDS OF THE RADII.,  
OR AS DIRECTED BY THE ENGINEER

\*PAVEMENT MARKINGS 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 APPROX  
0.30 ± GAL/SY AND A LAYER OF 78M AGGREGATE AT A RATE OF APPROX. 18 ± LBS/SY.

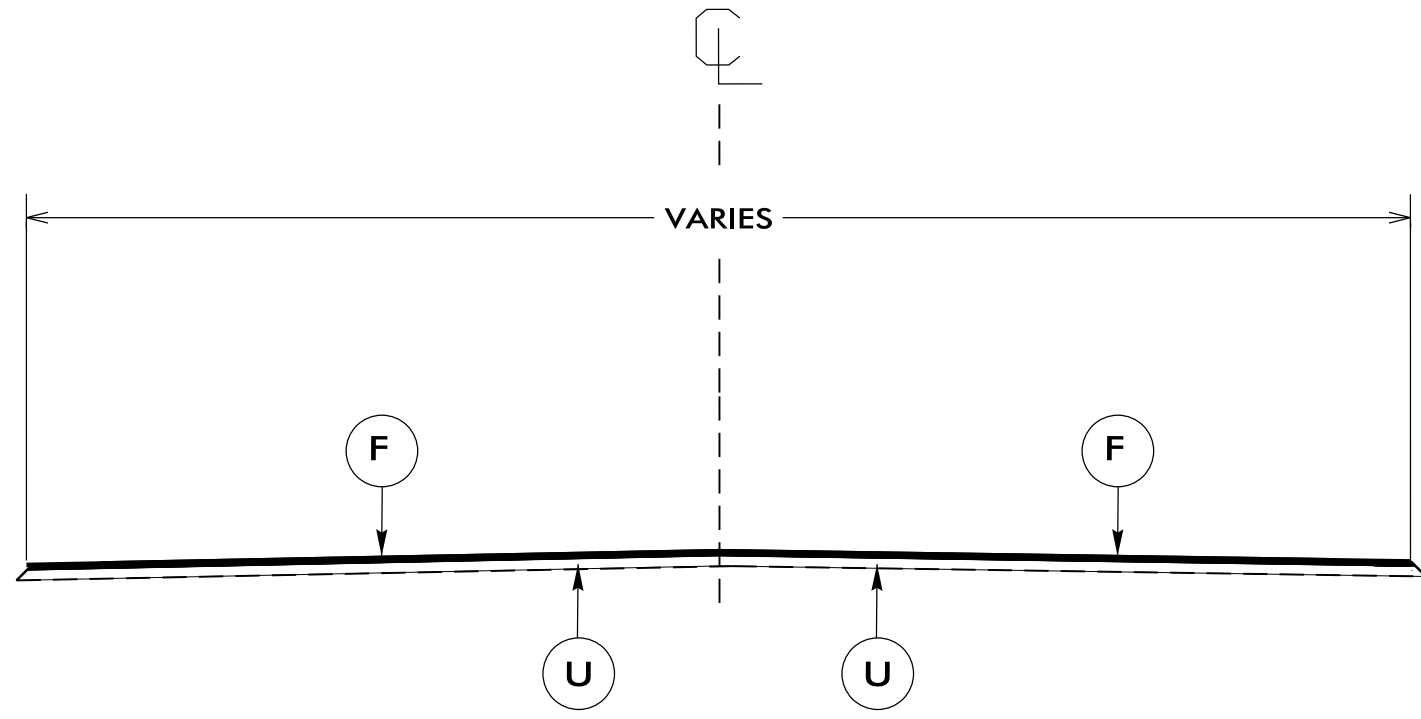
TOP LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF APPROX  
0.25 ± GAL/SY AND A LAYER OF: 5/16" LIGHTWEIGHT AGGREGATE AT A RATE OF APPROX. 9± LBS/SY.

\*ALL AGGREGATE MATERIAL IS TO BE PROVIDED BY THE DEPARTMENT

\*THE DEPARTMENT WILL SUPPLY A LOADER AND AN OPERATOR AT WINDSOR MAINTENANCE YARD ONLY  
FOR LOADING OF LIGHTWEIGHT AGGREGATE MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR  
LOADING OF ALL OTHER AGGREGATE MATERIALS AT ALL OTHER LOCATIONS.

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

F	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, AT AN APPLICATION RATE TO BE DETERMINED BY FIELD CONDITIONS IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS (SEE NOTES)
U	EXISTING PAVEMENT.



**TYPICAL SECTION NO. 1**

USE WITH MAPS 1 - 10

16-FEB-2018 12:13 C:\Division Maintenance\ST\_Contracts 18-19\Bertie South Martin\Bertie S Martin.dgn

NTS

<b>PROJECT NO.</b>	<b>SHEET NO.</b>	<b>TOTAL NO.</b>
2018CPT.01.15.20082.1,ETC.	4	

**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	TEMPORARY TRAFFIC CONTROL
										MI	FT					
2018CPT.01.15.20082.1	Bertie	1	SR1227 POWELL AND STOKES RD	US13 TO NC308	1	2	2WU	NO	NO	1.28	20	20	1	15,019	9,011.00	1
2018CPT.01.15.20082.1	Bertie	2	SR1101 MADRE RD	NC308 TO SR1100	1	2	2WU	NO	NO	1.69	20	20	*	19,829	11,897.00	*
2018CPT.01.15.20082.1	Bertie	3	SR1100 GRABTOWN RD	SR1101 TO END OF PAVEMENT	1	2	2WU	NO	NO	4.75	20	20	*	55,733	61,332.00	*
2018CPT.01.15.20082.1	Bertie	4	SR1301 BULL HILL RD	SR1303 TO SR1304	1	2	2WU	NO	NO	4.8	20	20	*	56,320	33,792.00	*
2018CPT.01.15.20082.1	Bertie	5	SR1301 BULL HILL RD	SR1001 TO SR1304	1	2	2WU	NO	NO	1.1	20	20	*	12,907	7,744.00	*
2018CPT.01.15.20582.1	Martin	6	SR1113 LEGGETT MILL RD	BEAUFORT CO LINE TO SR1142	1	2	2WU	NO	NO	4.29	20	20	*	50,336	30,201.00	*
2018CPT.01.15.20582.1	Martin	7	SR1154 OSBOURNE RD	SR1155 TO SR1113	1	2	2WU	NO	NO	2.05	20	20	*	24,053	14,432.00	*
2018CPT.01.15.20582.1	Martin	8	SR1155 RACE TRACK RD	SR1113 TO SR1142	1	2	2WU	NO	NO	3.48	20	20	*	40,832	44,934.00	*
2018CPT.01.15.20582.1	Martin	9	SR1153 GUS'S LANE	SR1154 TO SR1142	1	2	2WU	NO	NO	0.89	20	20	*	10,443	6,266.00	*
2018CPT.01.15.20582.1	Martin	10	SR1108 COWAN RD	SR1109 TO SR1001	1	2	2WU	NO	NO	1.22	20	20	*	14,315	8,589.00	*
<b>GRAND TOTAL</b>										<b>25.55</b>			<b>1</b>	<b>299,787</b>	<b>228,198.00</b>	<b>1</b>

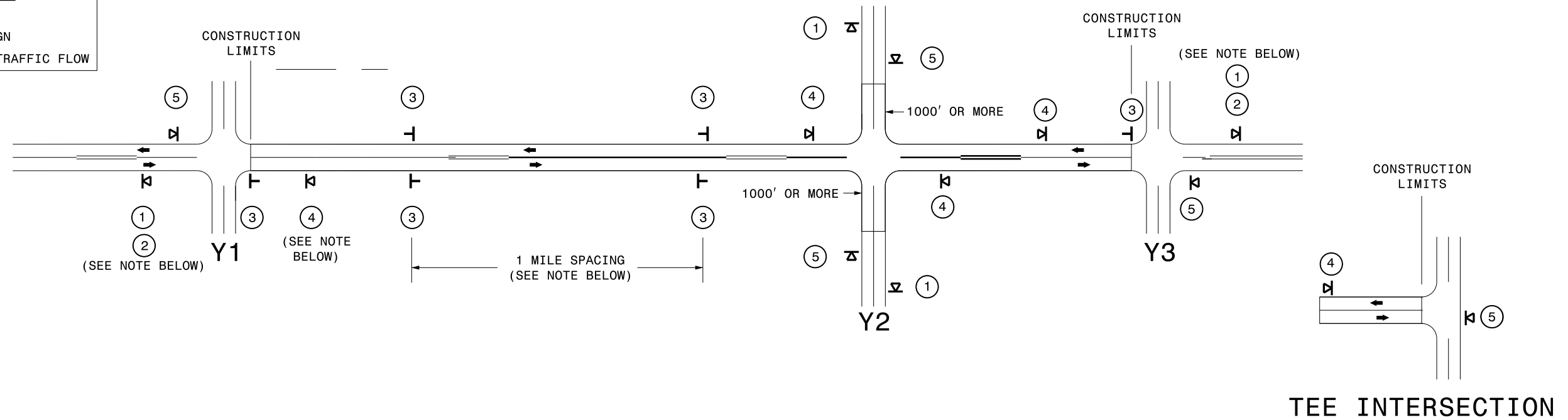
## SIGNING FOR ASPHALT SURFACE TREATMENT

**LEGEND**

PORTABLE SIGN

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

<b>SIGNING NOTES AND PLACEMENT PER DIRECTION</b>	①		- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p><b>STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <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; align-items: center;"> <div style="text-align: center;">   <small>W20-1 48" X 48"</small>              PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">   <small>W20-7 A 48" X 48"</small>              PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	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.	
	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.	

**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.

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.



**ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT**





