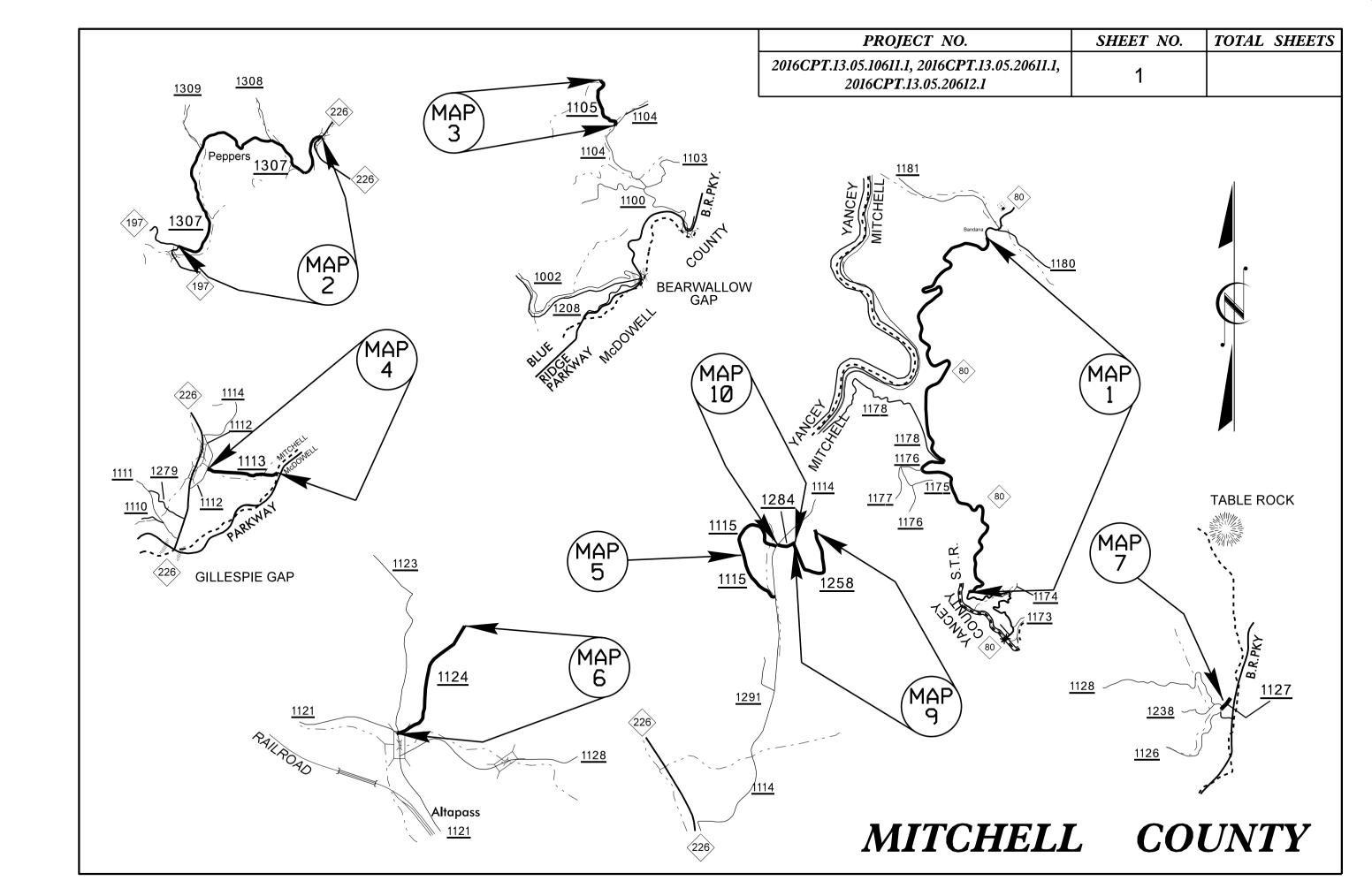
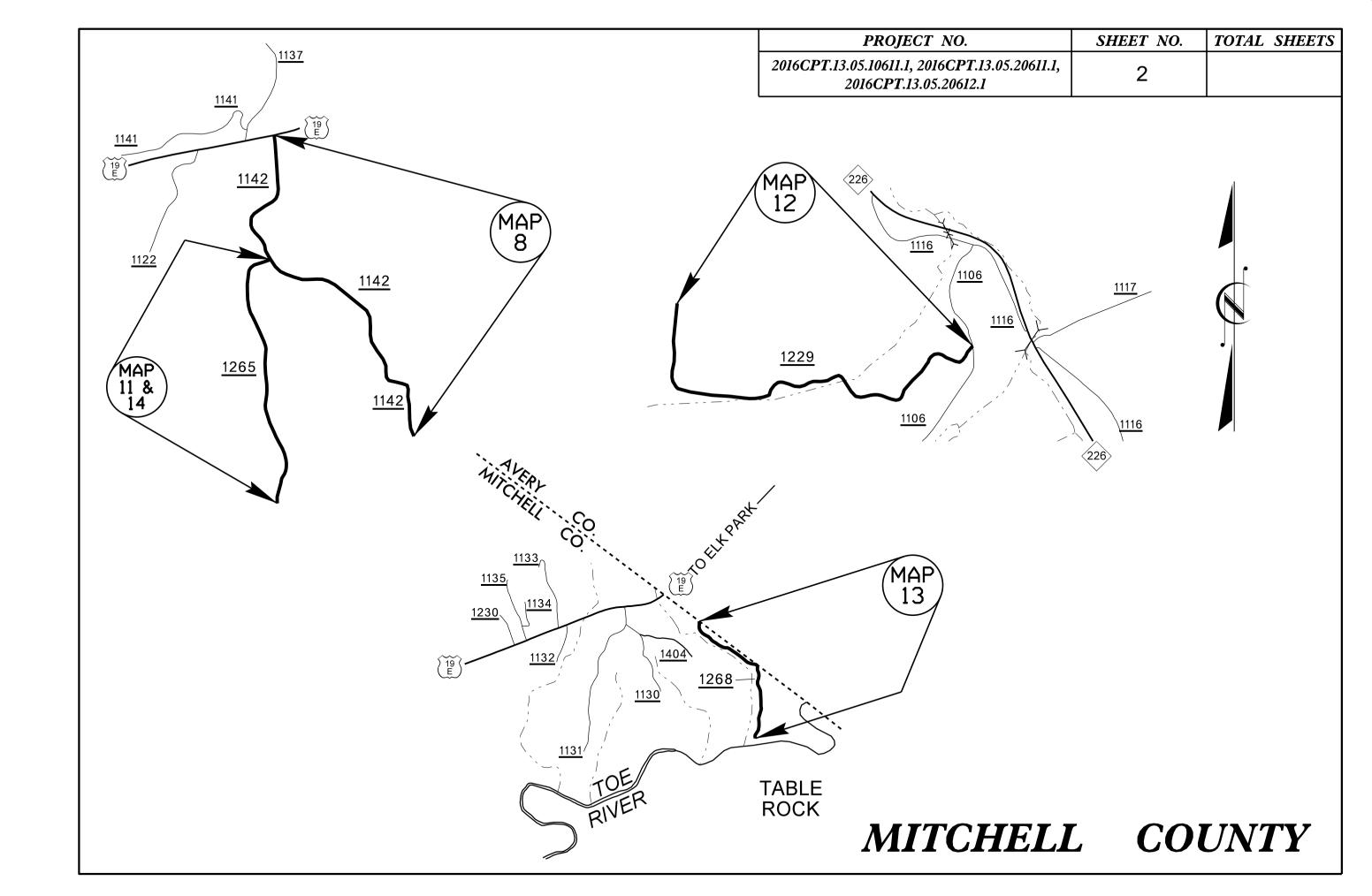
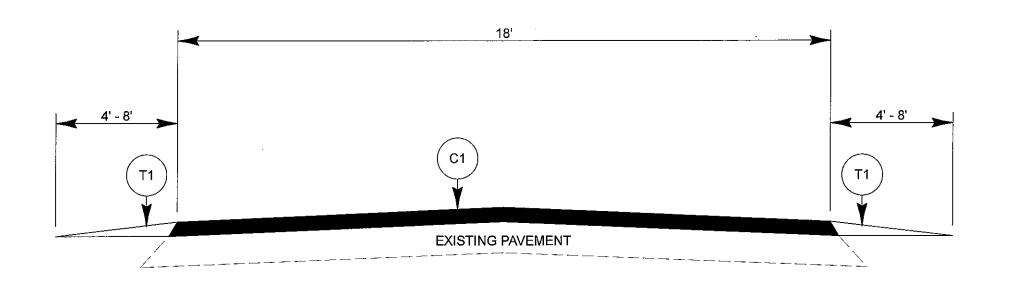
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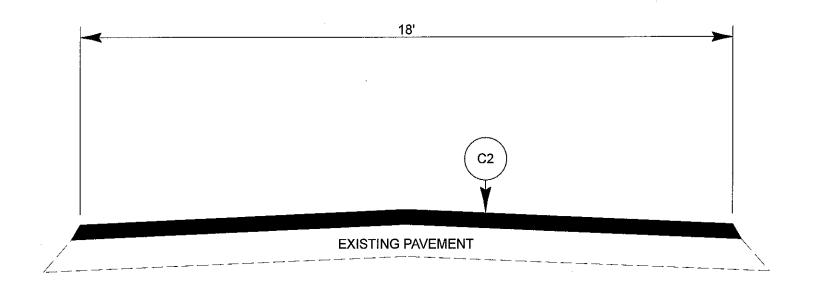
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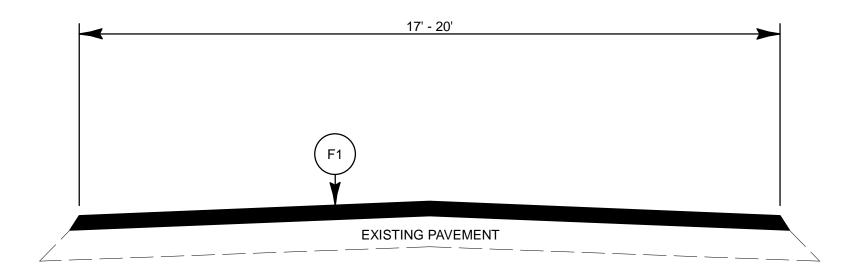
TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2

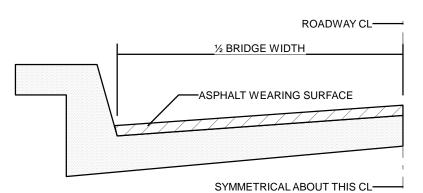
PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.05.10611.1, 2016CPT.13.05.20611.1, 2016CPT.13.05.20612.1,	3	
DEPTH, LENGTH & WILLIAM AS DIRECTED BY THE ACBC OR ACSC AS DIRECTED BY THE	ENGINEER	

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL (LIGHTWEIGHT AGGREGATE)
T1	SHOULDER RECONSTRUCTION
V1	INCIDENTAL MILLING



TYPICAL SECTION NO. 3

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.05.10611.1, 2016CPT.13.05.20611.1,	4	
2016CPT.13.05.20612.1.		



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A ½", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A ½", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C ½". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5", S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C ½".

NOTES

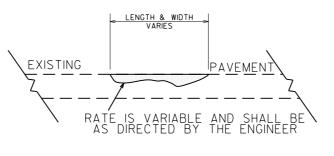
ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.

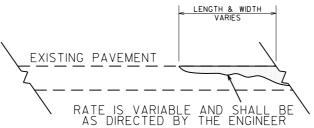
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF

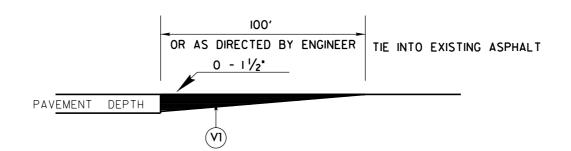
QUANTITIES.
SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.
BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CPT.13.05.10611.1, 2016CPT.13.05.20611.1, 2016CPT.13.05.20612.1	5	



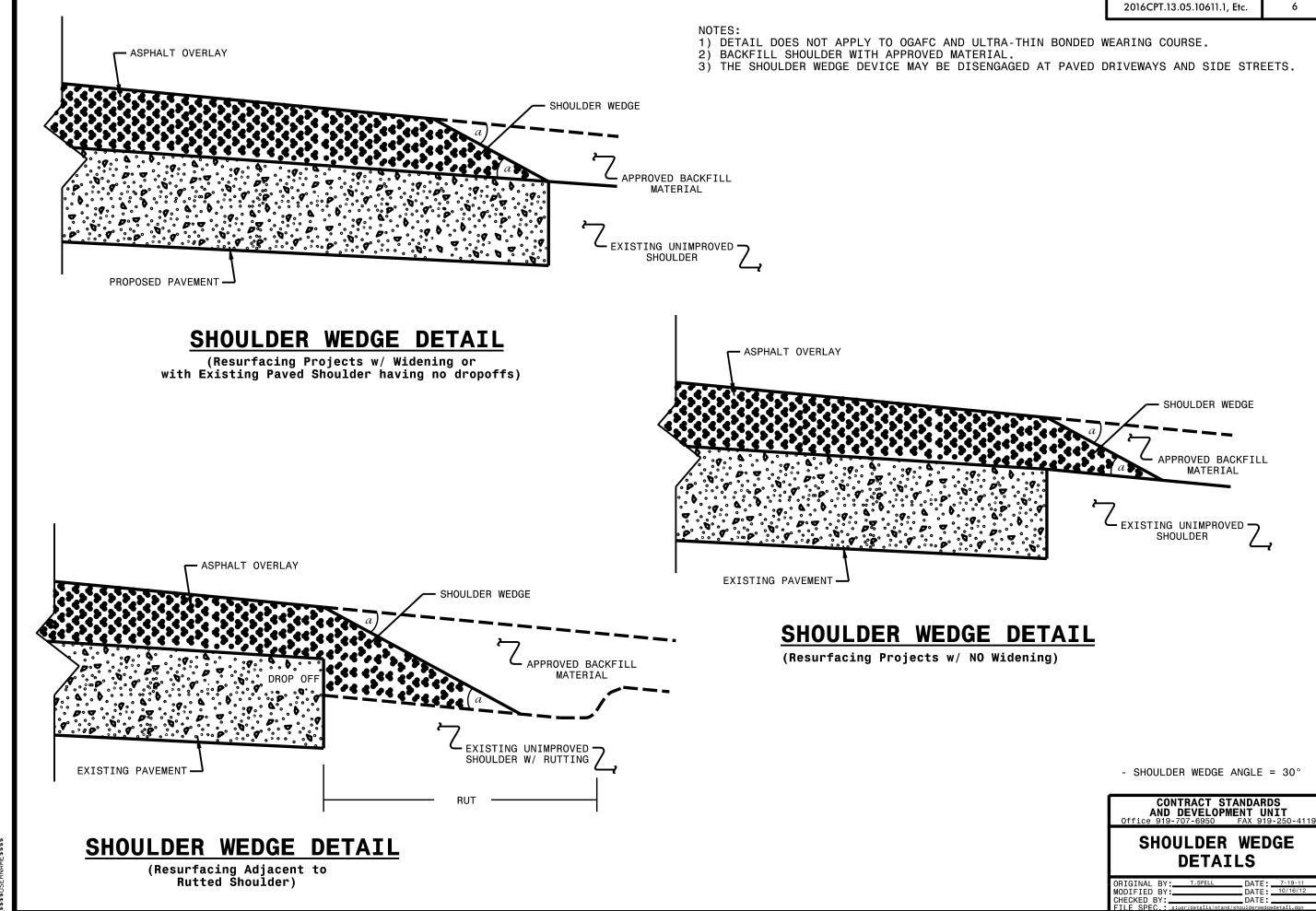


DETAIL SHOWING METHOD OF WEDGING



DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO
THE FACT THAT HE WILL BE REQUIRED TO MILL
THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER
TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END
AND Y LINES OF EACH MAP TO BE RESURFACED WITH
ASPHALT CONC SURFACE COURSE, TYPE \$9.5B.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.13.05.10611.1, 2016CPT.13.05.20611.1,	7	
2016CPT.13.05.20612.1		

SUMMARY OF QUANTITIES

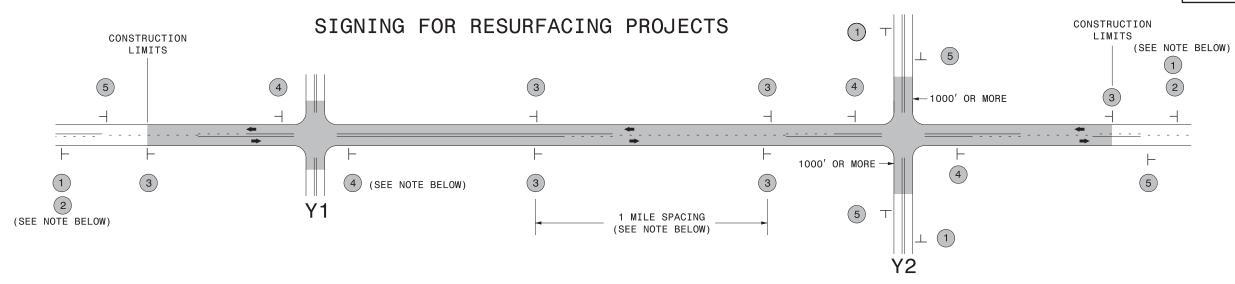
PROJECT COUNTY		MAP	MAP	МАР	MAP	МАР	ROUTE	OUTE DESCRIPTION		LANES	TYPE		WARM MIX ASPHALT REQUIRED		WIDTH FT	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT
NO		NO			NO					МІ	FT	TON	SMI	SY	TON	TON	TON	TON	SY	GAL				
				FROM 0.82 MILES NORTH OF SR 1174 TO																				
				2.0 MILES NORTH OF SR 1178																				
2016CPT.13.05.10611.1	Mitchell	1	NC 80	(MP 1.99 - MP 5.39)	1	2	2WU	NO	NO	3.4	18	170	6.80	665	3,341		200	450						
TOTAL FOR PROJ NO. 2	2016CPT.13	3.05.1	0611.1							3.4		170	6.80	665	3,341		200	450						
				FROM NC 226 TO NC 197																				
2016CPT.13.05.20611.1	Mitchell	2	SR 1307	(MP 0.00 - MP 3.11)	2	2	2WU	NO	NO	3.11	18	156				3,001	201	480						
				FROM SR 1104 TO EOM																				
		3	SR 1105	(MP 0.00 - MP 0.70)	3	2	2WU	NO	NO	0.7	18							240	7,392	4,070				
				FROM SR 1112 TO EOP																				
		4	SR 1113	(MP 0.00 - MP 0.66)	3	2	2WU	NO	NO	0.66	20							120	7,744	4,260				
				FROM SR 1114 TO SR 1114																				
		5	SR 1115	(MP 0.00 - MP 0.73)	3	2	2WU	NO	NO	0.73	18							160	7,709	4,240				
				FROM SR 1121 TO DEAD END																				
		6	SR 1124	(MP 0.00 - MP 0.41)	3	2	2WU	NO	NO	0.41	17							100	4,089	2,250				
				FROM SR 1128 TO EOP																				
		7	SR 1127	(MP 0.00 - MP 0.14)	3	2	2WU	NO	NO	0.14	18							40	1,478	815				
				FROM US 19E TO EOM																				
		8	SR 1142	(MP 0.00 - MP 1.21)	3	2	2WU	NO	NO	1.21	18							155	12,778	7,030				
				FROM SR 1284 TO EOM																				
		9	SR 1258	(MP 0.00 - MP 0.52)	3	2	2WU	NO	NO	0.52	18							100	5,491	3,025				
				FROM SR 1114 TO EOP																				
		10	SR 1284	(MP 0.00 - MP 0.09)	3	2	2WU	NO	NO	0.09	18							35	950	525				
				FROM SR 1142 TO DEAD END																				
		11	SR 1265	(MP 0.00 - MP 0.79)		2	2WU	NO	NO	0.79	18							210						
				FROM SR 1106 TO DEAD END																				
		12	SR 1229	(MP 0.00 - MP 1.30)	3	2	2WU	NO	NO	1.3	18							120	13,728	7,555				
				FROM AVERY COUNTY LINE TO EOM																				
			SR 1268	(MP 0.00 - MP 0.97)	3	2	2WU	NO	NO	0.97	18							185	10,243	5,635				
TOTAL FOR PROJ NO. 2	2016CPT.13	3.05.2	0611.1							10.63		156				3,001	201	1,945	71,602	39,405				
	1	1	1					 								T	<u> </u>							
				FROM SR 1142 TO DEAD END																				
2016CPT.13.05.20612.1			L	(MP 0.00 - MP 0.79)	3	2	2WU	NO	NO	0.79	18								8,342	4,590				
TOTAL FOR PROJ NO. 2	2016CPT.13	3.05.2	0612.1							0.79									8,342	4,590				
00.000			1		1					14.00	1	225			2 244	2.004	404	2 205	70.044	42.005				
GKANL	TOTAL						1			14.82		326	6.80	665	3,341	3,001	401	2,395	79,944	43,995				

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.13.05.10611.1, 2016CPT.13.05.20611.1,	8	
2016CPT.13.05.20612.1		

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	48100	00000-E	484700000-E		4905000000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	LENGTH	WIDTH	WORK ZONE	TEMPORARY	PAINT PAVEMENT	PAINT PAVEMENT	POLYUREA	POLYUREA	SNOWPLOWABLE
							TYPE			ADVANCE/	TRAFFIC CONTROL	MARKING LINES	MARKING LINES	PAVEMENT	PAVEMENT	PAVEMENT
										GENERAL		(4") WHITE	(4") YELLOW	MARKING LINES	MARKING LINES	MARKERS
										WARNING		(, ,	(, , , , , , , , , , , , , , , , , , ,	(4") WHITE	(4") YELLOW	
										SIGNING				(HIGHLY	(HIGHLY	
										Sidivilla				REFLECTIVE	REFLECTIVE	
														ELEMENTS)	ELEMENTS)	
NO		NO			NO					C.E.	10	LF	LF	LF	LF	EA
INO		NO		FROM 0.82 MILES NORTH OF SR 1174 TO	NO					SF	LS	LF	LF	LF	LF	EA
				2.0 MILES NORTH OF SR 1178												
2016CPT.13.05.10611.1	Mitchall	1	NC 80	(MP 1.99 - MP 5.39)	1	2	2WU	3.4	18	382	1			35,904	35,904	450
2010CF1.13.03.10011.1	MITCHEII	1	INC 80	(IVIF 1.33 - IVIF 3.33)	1		2000	3.4	10	382	1					450
TOTAL FOR PROJ NO. 2	016CPT.1	3.05.10	0611.1					3.4		382	1			35,904	35,904	450
														71,	808	
				FROM NC 226 TO NC 197												
2016CPT.13.05.20611.1	Mitchell	2	SR 1307	(MP 0.00 - MP 3.11)	2	2	2WU	3.11	18	1,192	1			32,842	32,842	
201001 1.13.03.20011.1	MILCHEI		2IV 1307	FROM SR 1104 TO EOM			2000	J.11	10	1,132	1			32,042	32,042	
		2	SR 1105	(MP 0.00 - MP 0.70)	3	,	2WU	0.7	18					7,392	7,392	
		3	3K 1103	FROM SR 1112 TO EOP	3	2	2000	0.7	10					7,592	7,592	
		4	SR 1113	(MP 0.00 - MP 0.66)	2	1	214/11	0.00	20							
		4	2K 1113		3	2	2WU	0.66	20							
		_	CD 111F	FROM SR 1114 TO SR 1114			214/11	0.72	10					7 700	7 700	
		5	SR 1115	(MP 0.00 - MP 0.73)	3	2	2WU	0.73	18					7,709	7,709	
				FROM SR 1121 TO DEAD END												
		6	SR 1124	(MP 0.00 - MP 0.41)	3	2	2WU	0.41	17							
				FROM SR 1128 TO EOP												
		7	SR 1127	(MP 0.00 - MP 0.14)	3	2	2WU	0.14	18							
				FROM US 19E TO EOM												
		8	SR 1142	(MP 0.00 - MP 1.21)	3	2	2WU	1.21	18					12,778	12,778	
				FROM SR 1284 TO EOM												
		9	SR 1258	(MP 0.00 - MP 0.52)	3	2	2WU	0.52	18							
				FROM SR 1114 TO EOP												
		10	SR 1284	(MP 0.00 - MP 0.09)	3	2	2WU	0.09	18							
				FROM SR 1142 TO DEAD END												
		11	SR 1265	(MP 0.00 - MP 0.79)		2	2WU	0.79	18							
				FROM SR 1106 TO DEAD END												
		12	SR 1229	(MP 0.00 - MP 1.30)	3	2	2WU	1.3	18					13,728	13,728	
				FROM AVERY COUNTY LINE TO EOM												
		13	SR 1268	(MP 0.00 - MP 0.97)	3	2	2WU	0.97	18							
TOTAL FOR PROJ NO. 2	016CDT 1	2 05 24	2611 1					10.63		1,192	1			74,449	74,449	
TOTAL FOR PROJ NO. 2	.010CF 1.13	J.UJ.ZI	7011.1											148	,898	
Т		I						Т	, ,		1	T	T	T		T
				FROM SR 1142 TO DEAD END				_		_						
2016CPT.13.05.20612.1	Mitchell	14	SR 1265	(MP 0.00 - MP 0.79)	3	2	2WU	0.79	18	90	1	16,685	16,685			
TOTAL FOR PROJ NO. 2	016CPT.1	3.05.20	0612.1		_			0.79		90	1	16,685	16,685			
					<u> </u>	ļ	<u> </u>				1	33,	370	<u> </u>		<u> </u>
			1					14.82	<u> </u>	1,664	1	16,685	16,685	110,353	110,353	450
GRAND	TOTAL		-		1	-		14.02		1,004	1					430
					<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>	33,	,370	220	,706]

PROJ. REFERENCE NO. SHEET NO. 2016CPT.13.05.10611.1 TMP-1 Etc.



LEGEND

- STATIONARY SIGN

SIGNING PLACEMENT P

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

ROAD WORK NOTES AND PER DIRECTION AHEAD / W20-1

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

LOW/SOFT SHOULDER

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.



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 SP 13106
48" X 48" INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

ROAD WORK G20-2 A 48" X 24"

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

NO REQUIRED STATIONARY SIGNING 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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



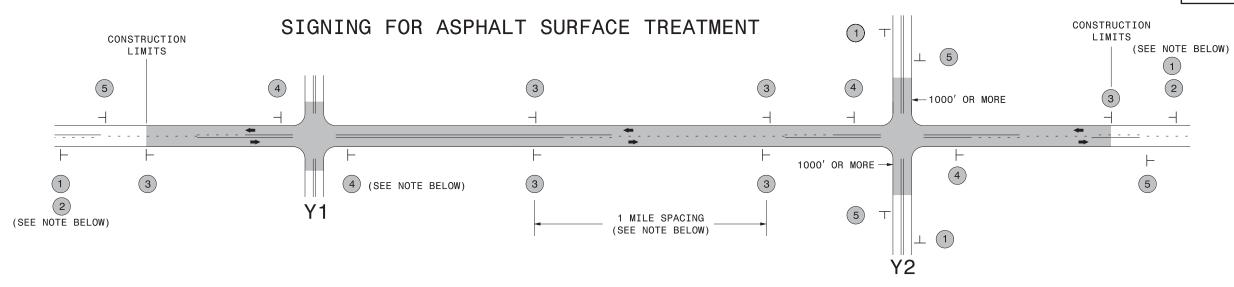


PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.



RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

PROJ. REFERENCE NO. SHEET NO. 2016CPT.13.05.10611.1 TMP-2 Etc.



LEGEND

- STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.

-Y- LINE SIGNING

NO REQUIRED STATIONARY SIGNING 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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

TES AND DIRECTION NOTES ER DIF Д SIGNING PLACEMENT P

LOOSE (3) ALTERNATE THE FOLLOWING TWO SIGNS: GRAVEL

SP 48" X 48"

ROAD

WORK

AHEAD / W20-1

STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".

ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH.

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.

ROAD UNDER CONST

END

UNMARKED

PAVEMENT

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.

ROAD WORK G20-2 A

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

ADVANCE WARNING SIGNS FOR ASPHALT SURFACE TREATMENTS 2 LANE ROADWAYS