

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.11.05.10861	1	2
2023CPT.11.05.20861		

SUMMARY OF QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	Route Name	DESCRIPTION	Begin Milepost	End Milepost	TYP NO.	LANES	LANE TYPE	FINAL SURFACE TESTING	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	2800000000-N	2815000000-N	2830000000-N	2845000000-N	6084000000-E	7324000000-N	7444000000-E
															BORROW	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCT	1 1/2" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR	PATCHING EXISTING	ASPHALT SURFACE	EMULSION FOR ASPHALT	ADJUST CATCH BASIN	ADJUST DROP INLET	ADJUST MANHOLES	ADJUST METER OR VALVE BOX	SEED & MULCHING	JUNCTION BOX (STANDARD)	INDUCTIVE LOOP SAWCUT
MI	FT	CY	TONS	SMI	SY	SY	TONS	TONS	TON	TONS	GAL	EA	EA	EA	EA	AC	EA	LF														
2023CPT.11.05.10861	Surry	1	US 52		FROM BEGIN AUXILIARY TURN LANE AT SR 1700 TO VA STATE LINE	19.27	20.7	1	2	MU	YES	NO	1.43	26	286	29	2.86	20,973	1,000		2,036	122								1.07	1	450
TOTAL FOR PROJ NO. 2023CPT.11.05.10861													1.43		286	29	2.86	20,973	1,000		2,036	122						1.07	1	450		

2023CPT.11.05.20861	Surry	2	SR 1350	Red Brush Rd	FROM SR 1387 TO SR 1544	0	0.97	2	2	2WU	NO	NO	0.97	20	194	194	1.94		1,333	1,087		78	117	11,381	3,985					0.73		
2023CPT.11.05.20861	Surry	3	SR 1394	N. Franklin Rd	FROM SR 1640 TO NC 89	0	2.89	2	2	2WU	NO	NO	2.89	20	578	58	5.78		222	3,237		247	637				1	1	1	2.17		
2023CPT.11.05.20861	Surry	4	SR 1395	Maple Hollow Rd	FROM NC 89 TO SR 1350	0	1.04	2	2	2WU	NO	NO	1.04	20	208	21	2.08		222	1,165		86	159	12,203	4,270					0.78		
2023CPT.11.05.20861	Surry	5	SR 1640	Fancy Gap Rd	FROM US 52 TO US 52	0	1.77	2	2	2WU	NO	NO	1.77	20	354	35	3.54			1,983		147	305				1	1	1	1.33		
2023CPT.11.05.20861	Surry	6	SR 1669	N. South St	FROM SR 2432 TO EOM	0	0.6	3	4	2WU	NO	NO	0.6	48		6		21,000		1,607		108				4	4	4	4			
2023CPT.11.05.20861	Surry	7	SR 1700	Greenhill Rd	FROM US 52 TO SR 1701	0	1.21	2	2	2WU	NO	NO	1.21	18	242	24	2.42		1,600	1,221		91	185				1	1	1	0.91		
2023CPT.11.05.20861	Surry	8	SR 1871	Frederick St	NC 89 TO US 52	0	0.43	3	2	2WU	NO	NO	0.43	22		10		8,050		806		54				2	2	2	2			
2023CPT.11.05.20861	Surry	9	SR 2432	W. Pine St	FROM MAIN ST TO N/S SOUTH ST/SR 1669	0.09	0.53	3	2	2WU	NO	NO	0.44	36		20		8,870	1,500	885		59					4	2	20	20	3	500
2023CPT.11.05.20861	Surry	10	SR 2432	W. Pine St	FROM N/S SOUTH ST/SR 1669 TO NC 89	0.53	0.84	3	5	M2	NO	NO	0.31	60				11,000	1,000	1,037		70					2	2	20	20	1	
TOTAL FOR PROJ NO. 2023CPT.11.05.20861													9.66		1,576	368	15.76	48,920	5,877	13,028		940	1,403	23,584	8,255	12	13	49	49	5.92	4	500

GRAND TOTAL													11.09		1,862	397	18.62	69,893	6,877	13,028		2,036	1,062	1,403	23,584	8,255	12	13	49	49	6.99	5	950
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PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.11.05.10861	2	2
2023CPT.11.05.20861		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	Route Name	DESCRIPTION	Begin Milepost	End Milepost	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	5255000000-N	4810000000-E		4820000000-E		4830000000-E	4835000000-E	4840000000-N		4845000000-N				4895000000-N		
													WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	PORTABLE LIGHTING	4" YELLOW PAINT	4" WHITE PAINT	8" YELLOW PAINT	8" WHITE PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	PAINT MSG ONLY	PAINT MERGE ARROW	PAINT LT ARROW	PAINT STR ARROW	PAINT RT ARROW	PAINT STR & RT ARROW	PAINT STR & LT ARROW	GENERIC MARKING ITEM NON-CAST IRON SNOW PLOWABLE MARKER
												MI	FT	SF	LS	LS	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA
2023CPT.11.05.10861	Surry	1	US 52		FROM BEGIN AUXILIARY TURN LANE AT SR 1700 TO VA STATE LINE	19.27	20.7	1	2	MU	1.43	26	372	1	1	16,000	18,000							6	4	24	4			94
TOTAL FOR PROJ NO. 2023CPT.11.05.10861												1.43	372	1	1	16,000	18,000						6	4	24	4			94	
												34,000						38												

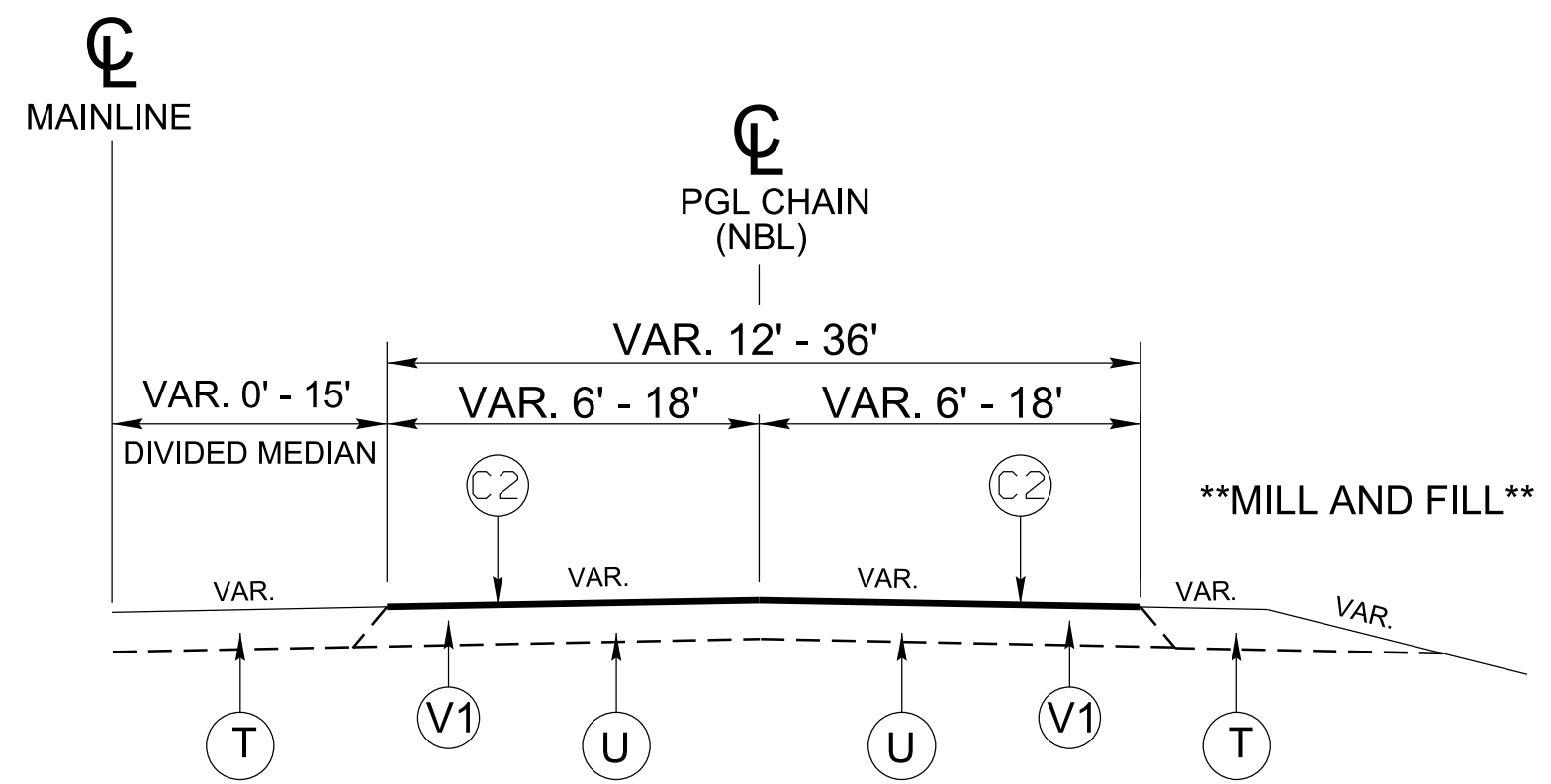
2023CPT.11.05.20861	Surry	2	SR 1350	Red Brush Rd	FROM SR 1387 TO SR 1544	0	0.97	2	2	2WU	0.97	20	126			20,874	20,874													64
2023CPT.11.05.20861	Surry	3	SR 1394	N. Franklin Rd	FROM SR 1640 TO NC 89	0	2.89	2	2	2WU	2.89	20	376			62,193	62,193	200						4		2				
2023CPT.11.05.20861	Surry	4	SR 1395	Maple Hollow Rd	FROM NC 89 TO SR 1350	0	1.04	2	2	2WU	1.04	20	135			22,381	22,381												69	
2023CPT.11.05.20861	Surry	5	SR 1640	Fancy Gap Rd	FROM US 52 TO US 52	0	1.77	2	2	2WU	1.77	20	230			38,090	38,090													
2023CPT.11.05.20861	Surry	6	SR 1669	N. South St	FROM SR 2432 TO EOM	0	0.6	3	4	2WU	0.6	48	78			12,912	1,584			600.00	450	8		6	4	12		8	8	119
2023CPT.11.05.20861	Surry	7	SR 1700	Greenhill Rd	FROM US 52 TO SR 1701	0	1.21	2	2	2WU	1.21	18	157			26,039	26,039													
2023CPT.11.05.20861	Surry	8	SR 1871	Frederick St	NC 89 TO US 52	0	0.43	3	2	2WU	0.43	22	56			9,254	5,280	100						14		4	2	4		
2023CPT.11.05.20861	Surry	9	SR 2432	W. Pine St	FROM MAIN ST TO N/S SOUTH ST/SR 1669	0.09	0.53	3	2	2WU	0.44	36	57			12,000	3,000		1,600		1,500			36	16	10	24	8		
2023CPT.11.05.20861	Surry	10	SR 2432	W. Pine St	FROM N/S SOUTH ST/SR 1669 TO NC 89	0.53	0.84	3	5	M2	0.31	60	40			8,200	1,500			400.00	600	16	16		24	8	8	4		
TOTAL FOR PROJ NO. 2023CPT.11.05.20861												9.66	1,255			211,943	180,941	300	1,600	1,000.00	2,550	24	16	6	82	36	24	38	20	252
												392,884		1,900		1,000.00		2,550		40		206								

GRAND TOTAL												11.09	1,627	1	1	227,943	198,941	300	1,600	1,000.00	2,550	24	16	12	86	60	28	38	20	346
												426,884		1,900		1,000.00		2,550		40		244								

* "PATCHING EXISTING PAVEMENT" HAS BEEN INCLUDED AS A PAY ITEM ON MAPS. PATCHING MAY OR MAY NOT BE NEEDED DEPENDING ON CONDITION OF MAP SURFACE AT TIME THAT PAVING SEASON BEGINS. AREAS TO BE DELINIATED BY THE ENGINEER.

* INCIDENTAL MILLING AT LOCATIONS AS DIRECTED BY THE ENGINEER

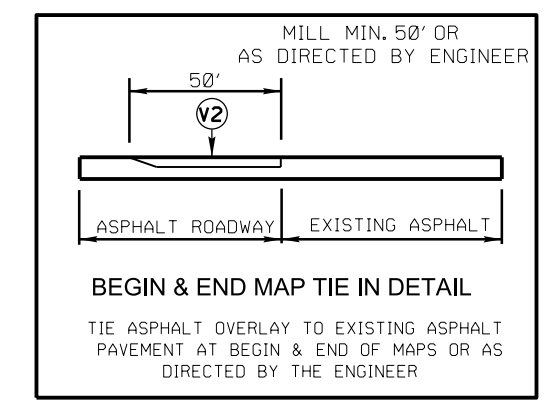
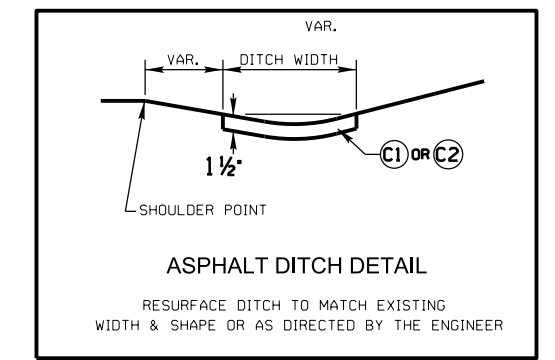
PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V2	INCIDENTAL MILLING (See Tie in Detail)



TYPICAL SECTION NO. 1

MAP 1 - US 52 NBL FROM BEGIN AUXILIARY TURN LN. TO VA STATE LINE

NOTE: Map 1 begins approx. 360' South of SR 1700



NOTE: TYPICALS ARE NOT TO SCALE

<p>SURRY COUNTY PRIMARY & SECONDARY ROADS 2023 ASPHALT RESURFACING</p>													
<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			REVISIONS	INIT.	DATE								
REVISIONS	INIT.	DATE											
<p>N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DIVISION ELEVEN</p>		<p>SCALE: N/A DATE: 11/3/2022</p> <p>PREPARED BY: DLH</p> <p>REVIEWED BY: </p> <p>REVIEWED BY: </p>											

** (Note: Asphalt Ditches may be present on any map. In such cases, the contractor is to clean ditches and refer to the corresponding detail for construction guidance as directed by the engineer.)

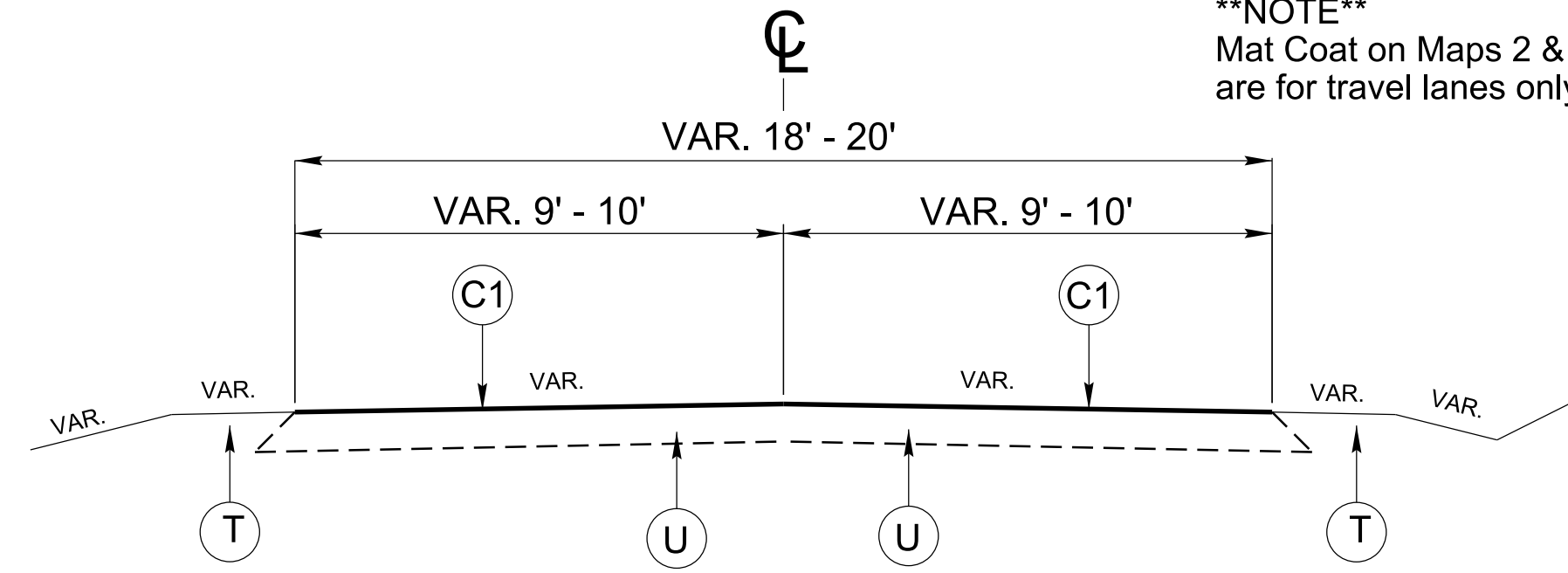
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 8/17/99
 09-NOV-2022 19:11 M:\Surry\DK00342-Surry-Typicals.dgn

* INCIDENTAL MILLING AT LOCATIONS AS DIRECTED BY THE ENGINEER

****NOTE****
Mat Coat on Maps 2 & 4
are for travel lanes only

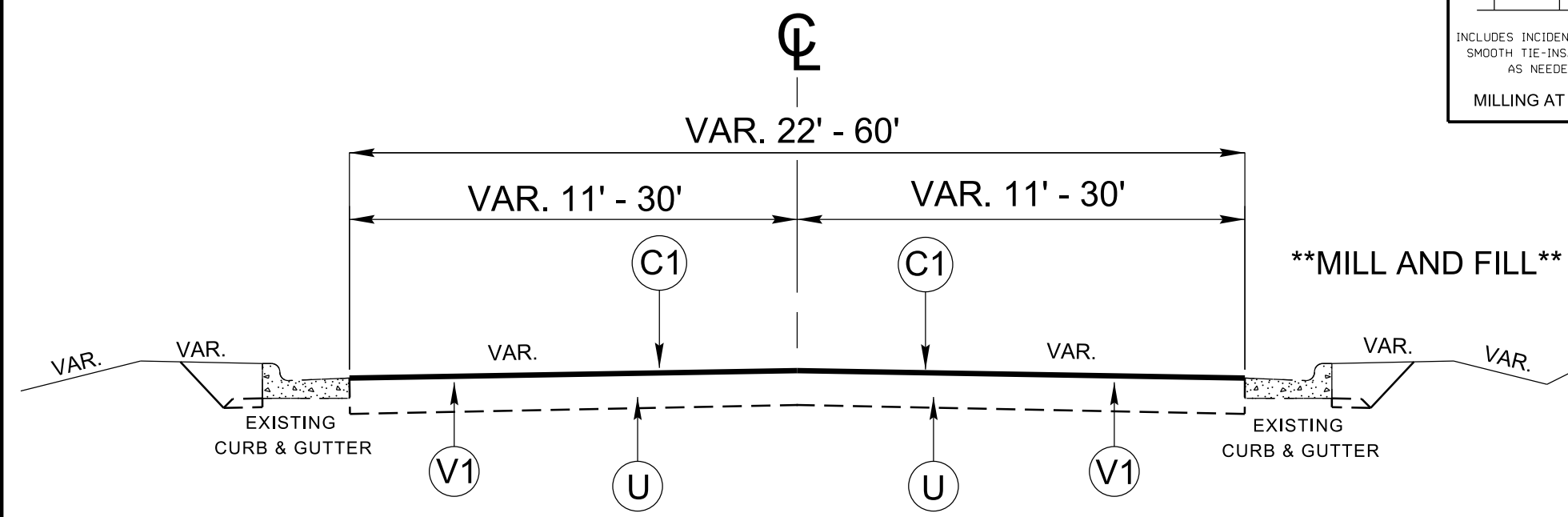
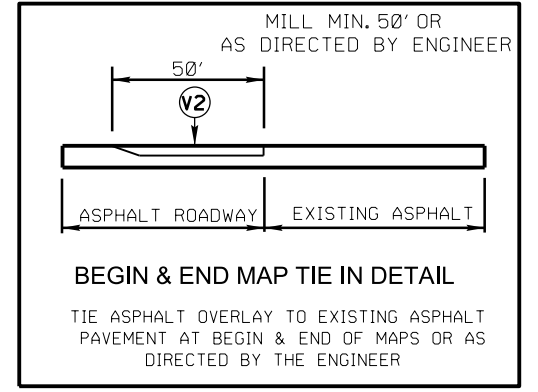
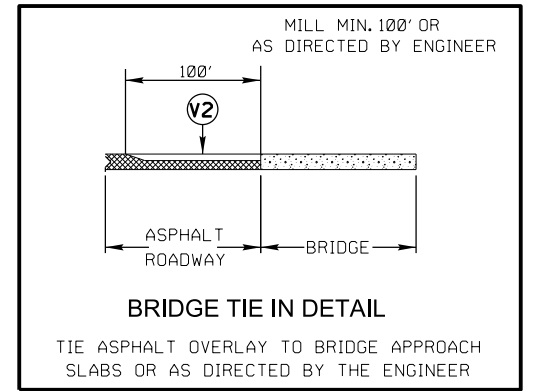
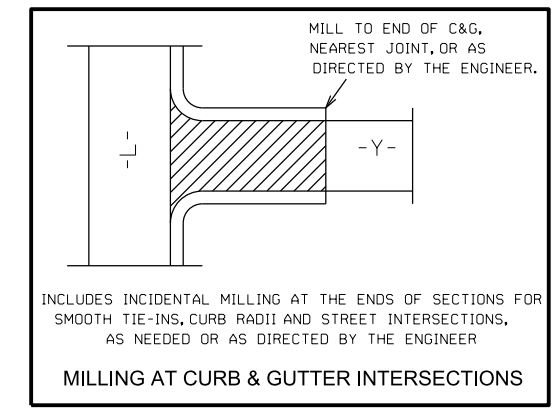
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V2	INCIDENTAL MILLING (See Tie in Detail)

**** ASPHALT SURFACE TREATMENT, MAT COAT, NO.78M STONE**



TYPICAL SECTION NO. 2

- **MAP 2 - SR 1350 FROM SR 1387 TO SR 1544
- MAP 3 - SR 1394 FROM SR 1640 TO NC 89
- **MAP 4 - SR 1395 FROM NC 89 TO SR 1350
- MAP 5 - SR 1640 FROM US 52 TO US 52
- MAP 7 - SR 1700 FROM US 52 TO SR 1701



TYPICAL SECTION NO. 3

- MAP 6 - SR 1669 FROM SR 2432 TO EOM
- MAP 8 - SR 1871 FROM NC 89 TO US 52
- MAP 9 - SR 2432 FROM N/S MAIN ST TO SR 1669
- MAP 10 - SR 2432 FROM SR 1669 TO NC 89

****NOTE:****
Map 10 ends approx. 72' South
of NC 89 (West Independence Blvd)
Map 8 resurface to end of C&G at US 52
intersection, and include slip lane

NOTE: TYPICALS ARE NOT TO SCALE

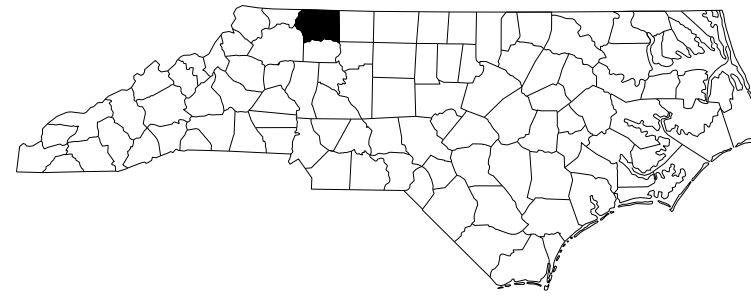
SURRY COUNTY PRIMARY & SECONDARY ROADS 2023 ASPHALT RESURFACING													
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N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DIVISION ELEVEN		SCALE: N/A DATE: 11/3/2022 PREPARED BY: DLH REVIEWED BY:											

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 8/17/99

SURRY COUNTY

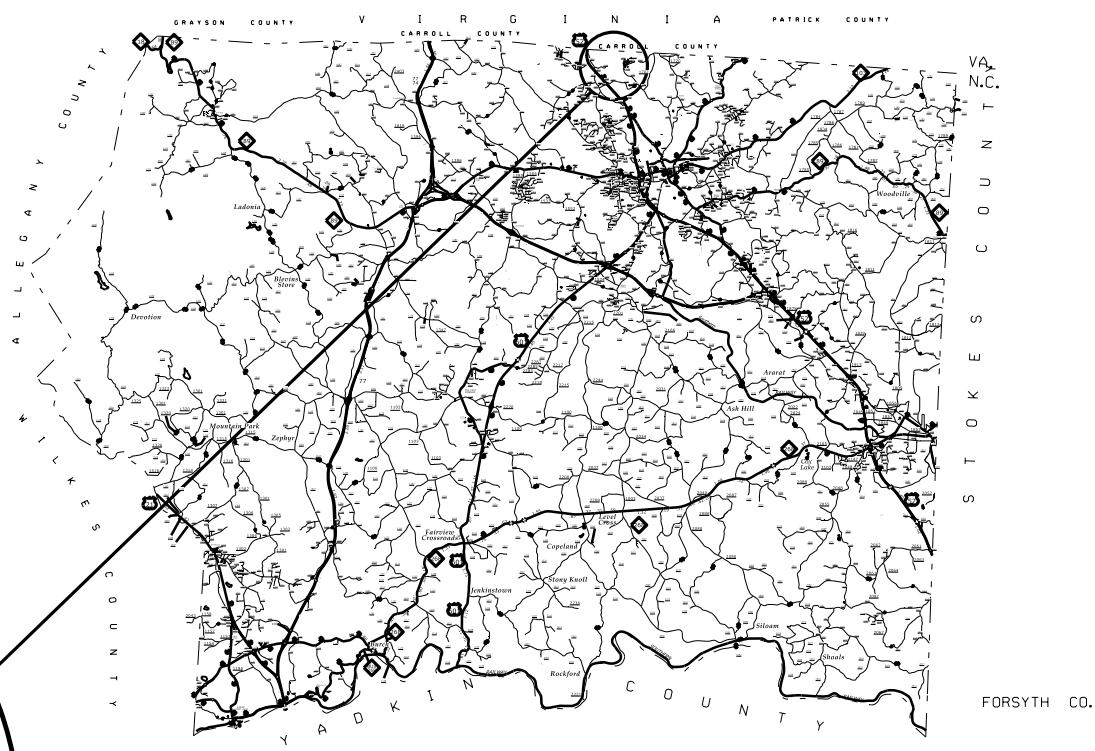
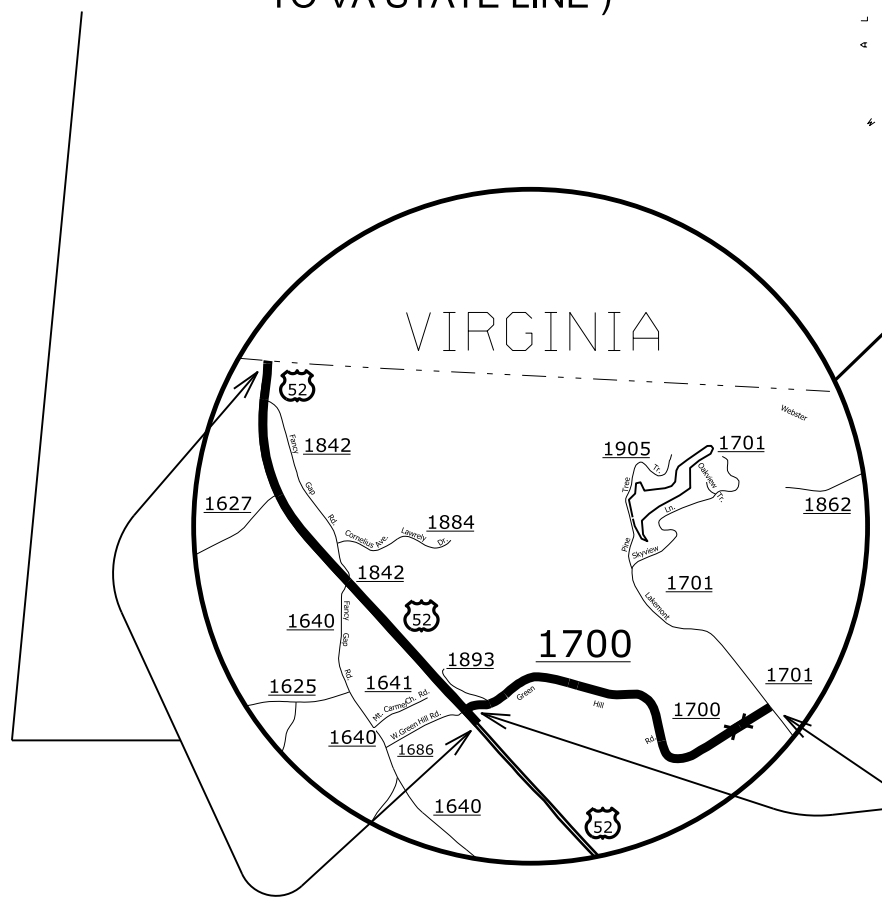
TYPE OF WORK: ASPHALT RESURFACING
MAPS # 1 AND # 7

2023



MAP #1

* US 52 NBL - (1.43mi.)
(FROM BEGIN AUXILIARY TURN LN.
TO VA STATE LINE)

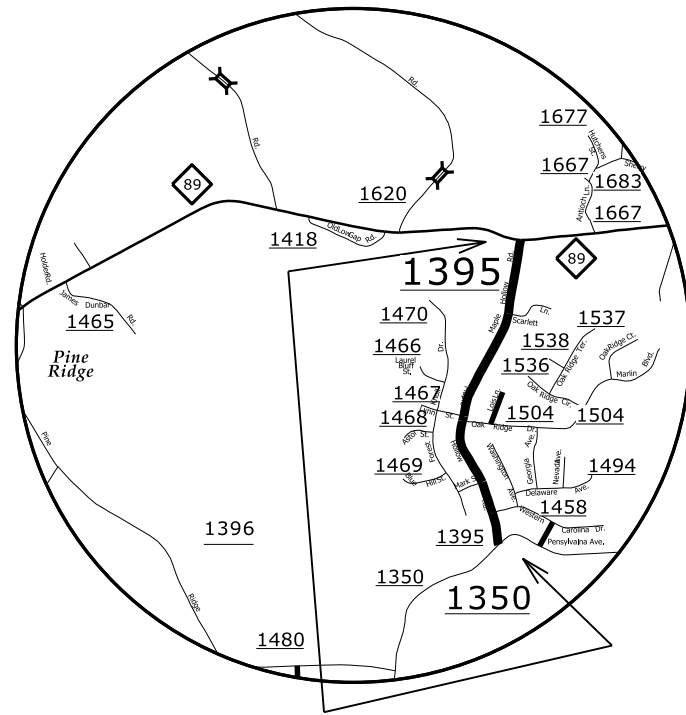


MAP #7

* SR 1700 (GREENHILL RD) - (1.21mi.)
(FROM US 52 TO SR 1701)

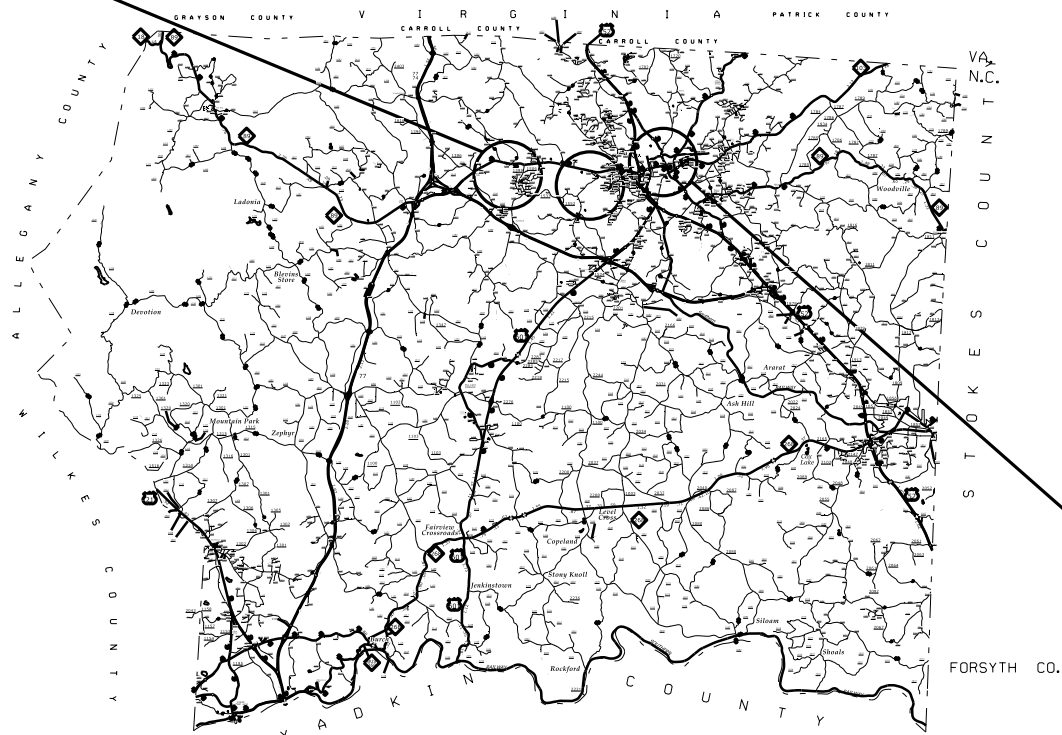
SURRY COUNTY

TYPE OF WORK: ASPHALT RESURFACING
 MAPS # 4, #6, & #8 THRU #10



MAP #4

* SR 1395 (MAPLE HOLLOW RD) - (1.04mi.)
 (FROM NC 89 TO SR 1350)



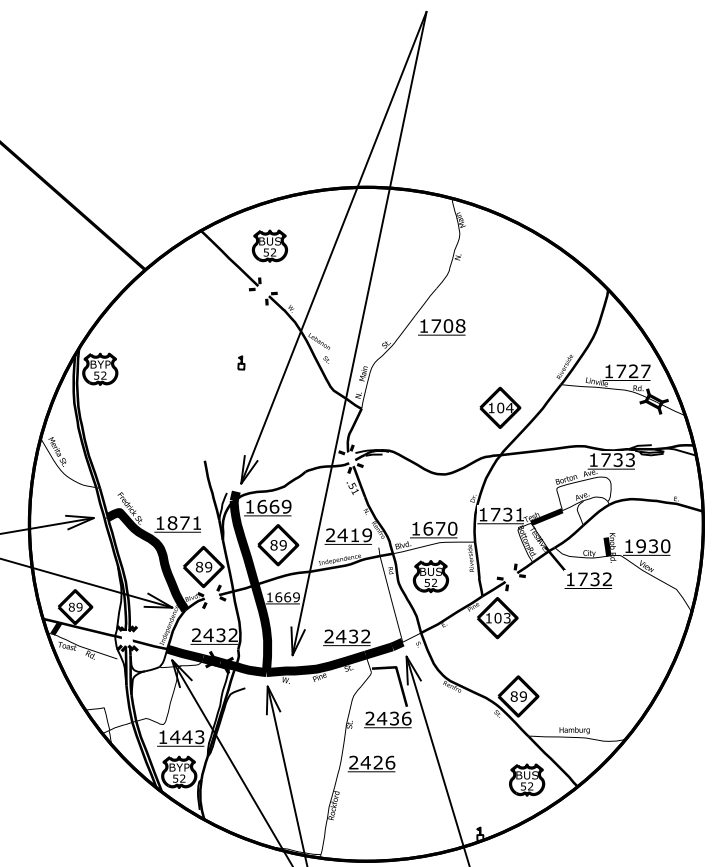
MAP #8

* SR 1871 (FREDERICK ST) - (0.43mi.)
 (FROM NC 89 TO US 52)

MAPS #9 & #10

* SR 2432 (WEST PINE ST) - (0.44mi.)
 (FROM N/S MAIN ST TO SR 1669)

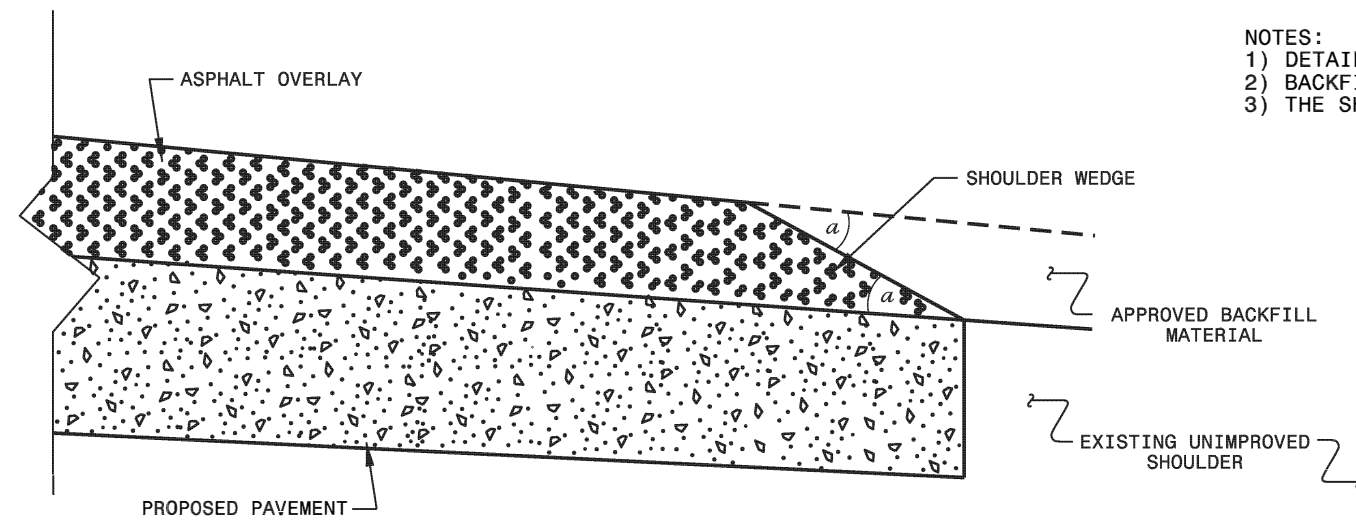
* SR 2432 (WEST PINE ST) - (0.31mi.)
 (FROM SR 1669 TO NC 89)



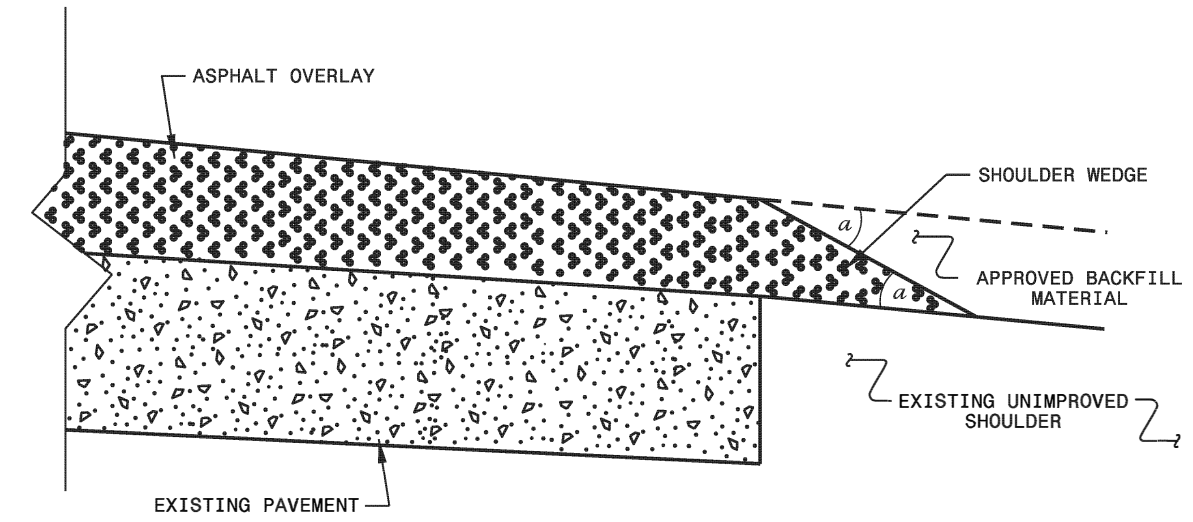
MAP #6

* SR 1669 (N. SOUTH ST) - (0.6mi.)
 (FROM SR 2432 TO EOM)

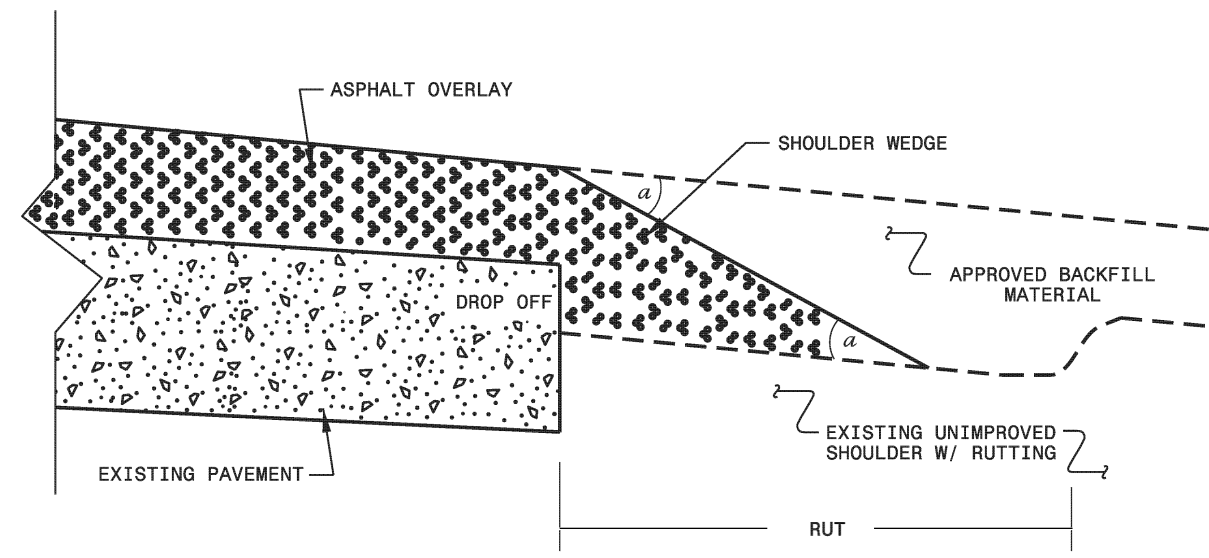
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

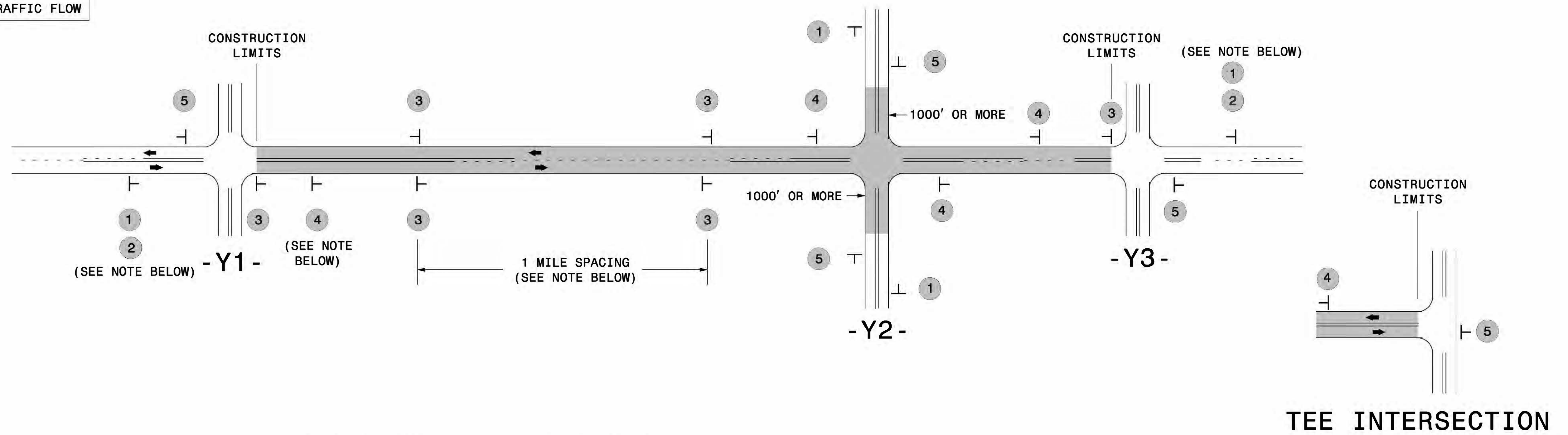
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T. SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/18/12
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

C:\FFB-2008\lbf\...
 S:\NDC\33\...
 .cwlles AT DIV07-3020248

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┃ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

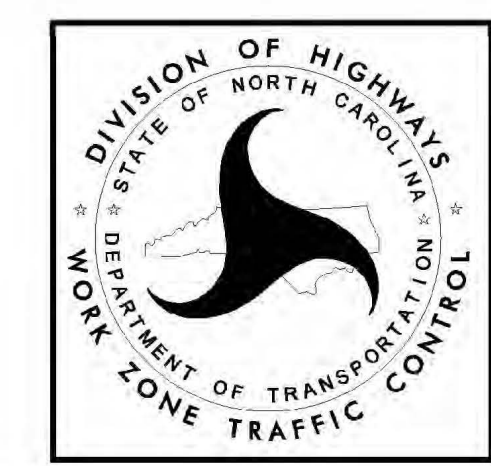
-Y- LINE SIGNING

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.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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;"> <div style="text-align: center;"> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	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 RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017 S:\1\MD\WZ\IC\Resurfacing\2L2W & AS1 Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:keals