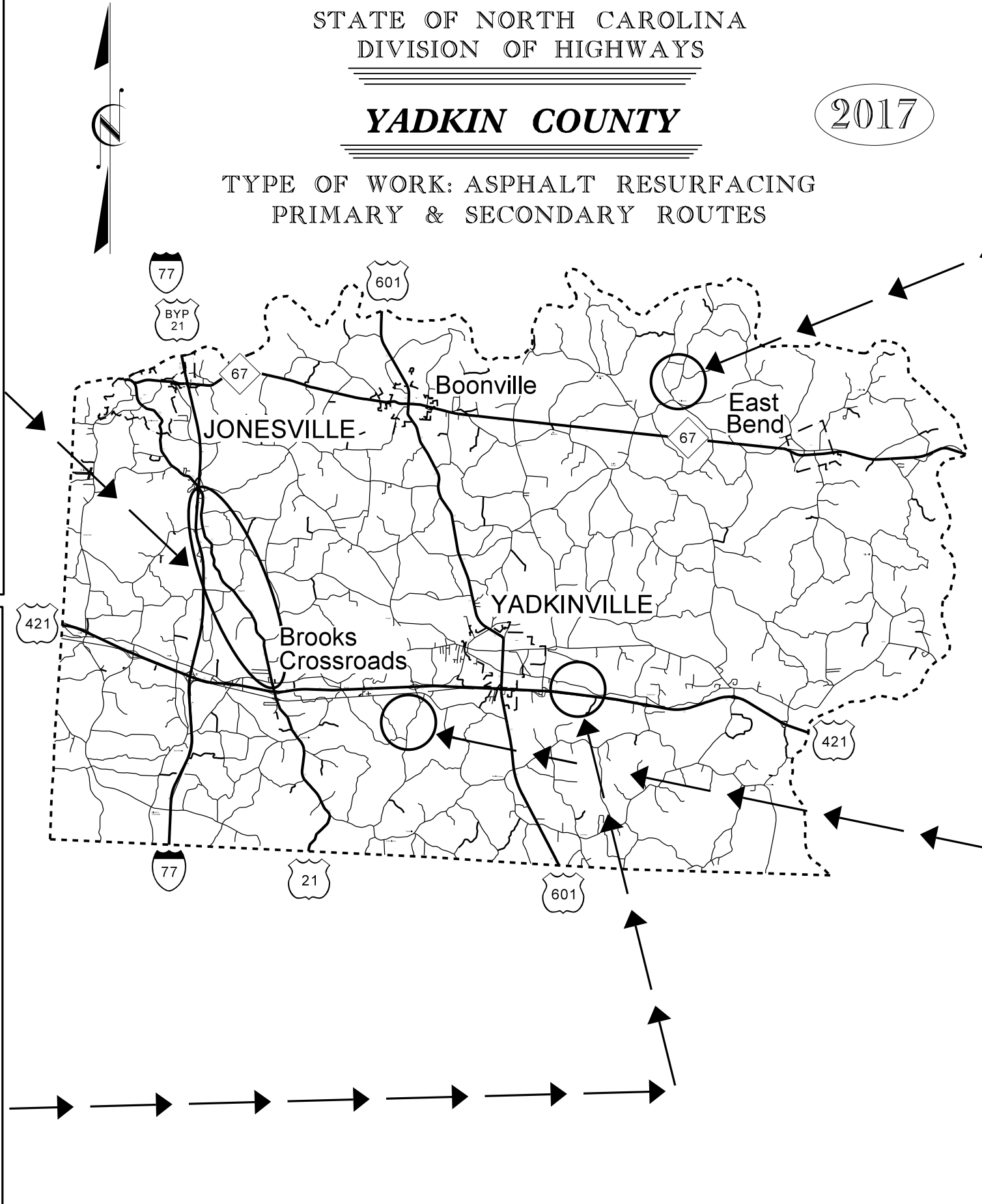
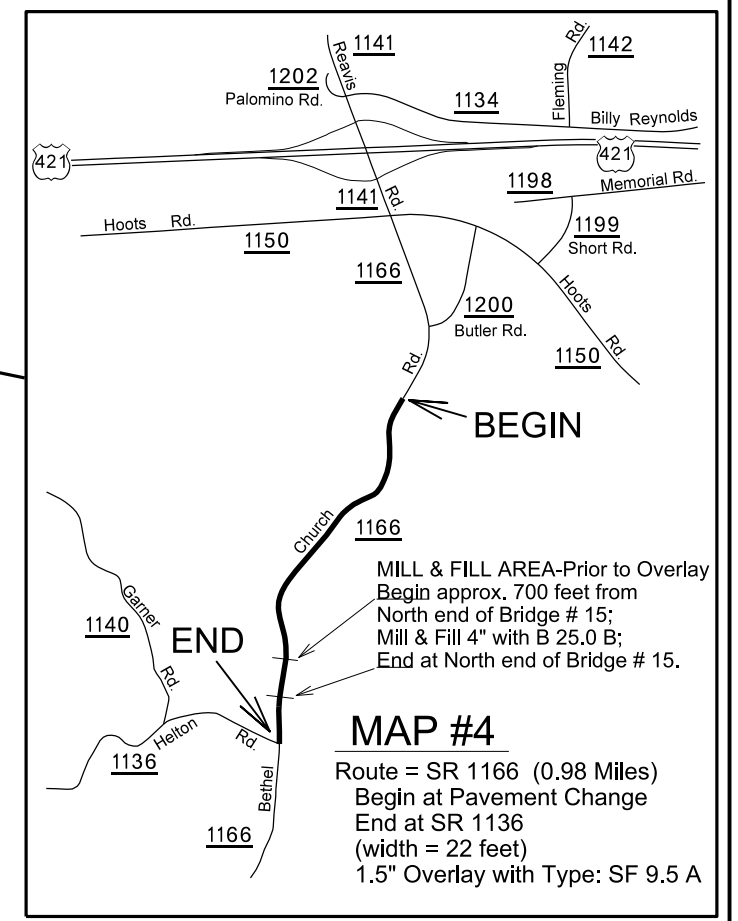
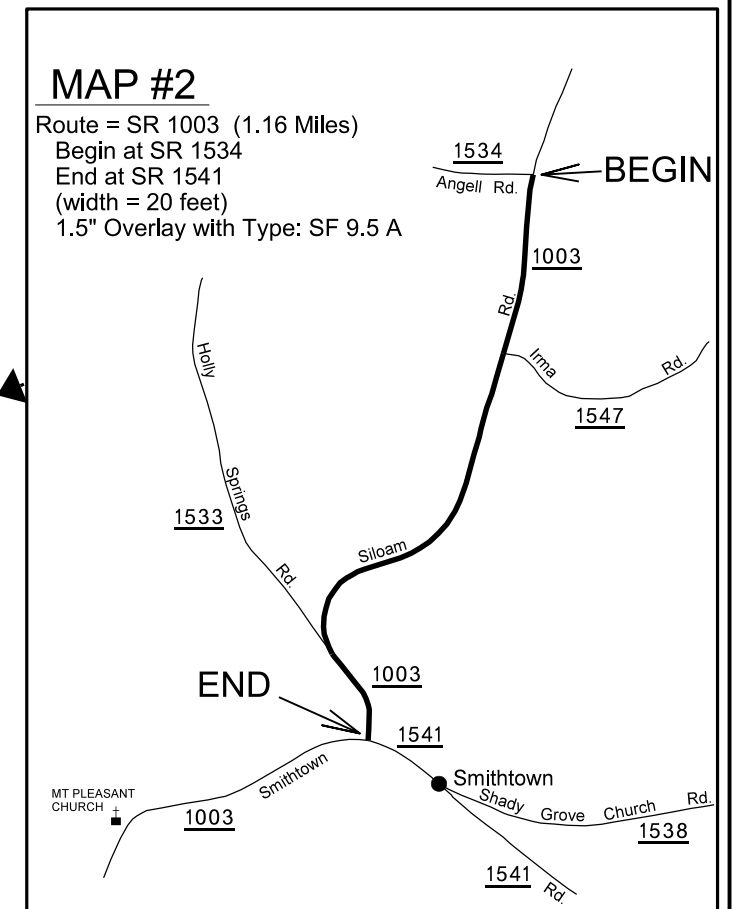
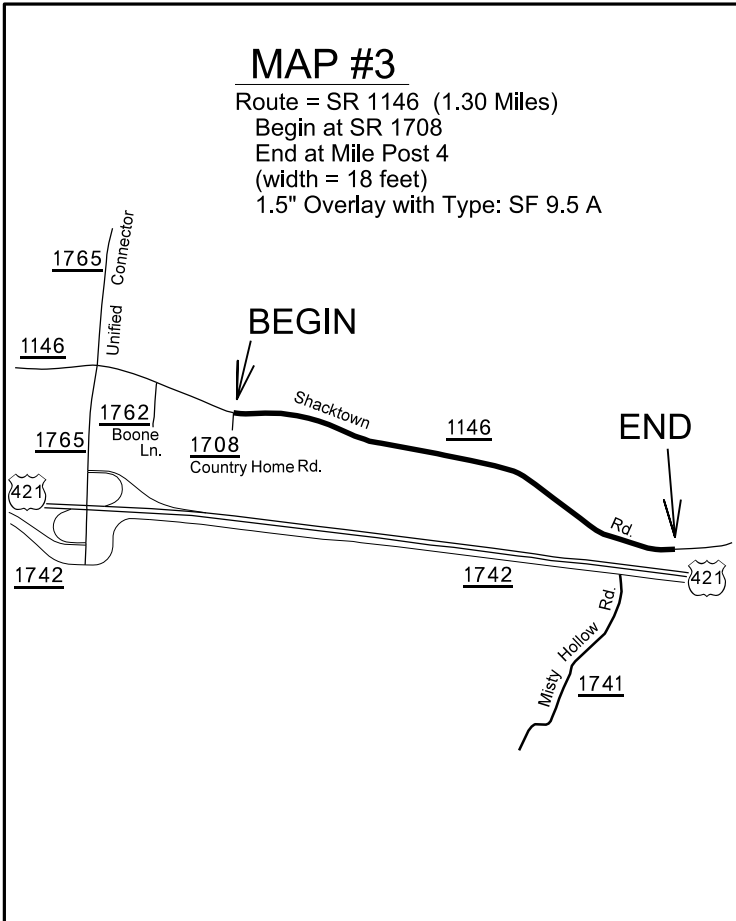
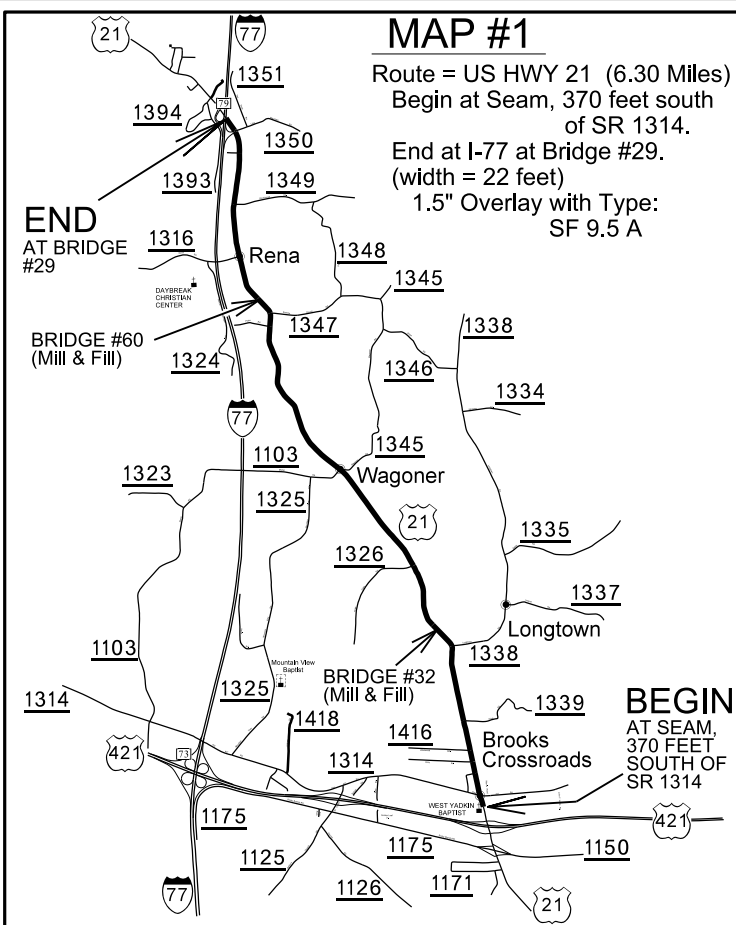


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**YADKIN COUNTY**

2017

TYPE OF WORK: ASPHALT RESURFACING  
PRIMARY & SECONDARY ROUTES

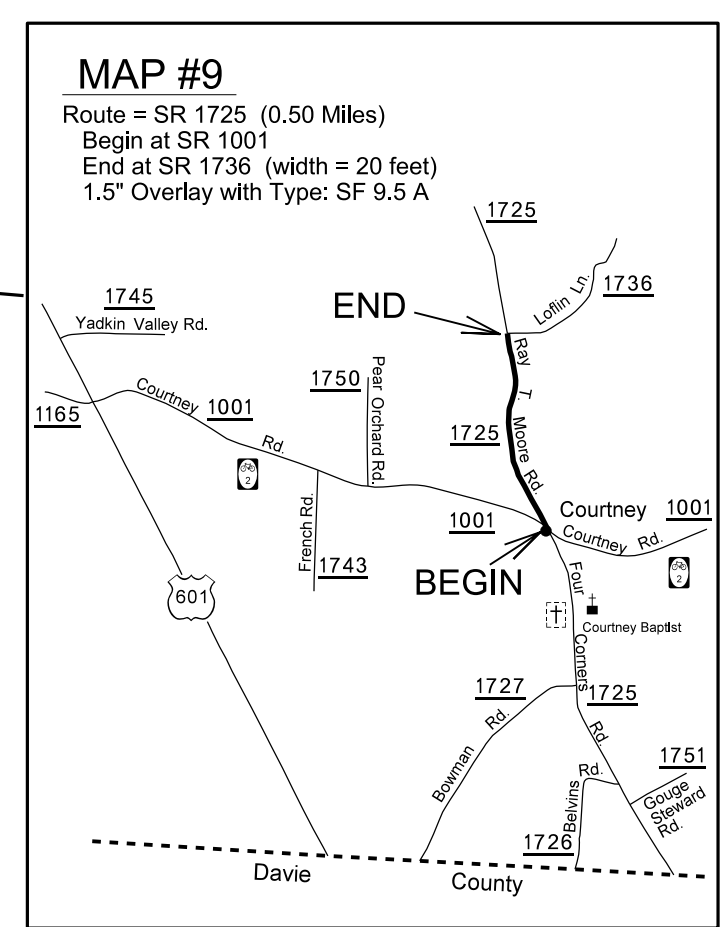
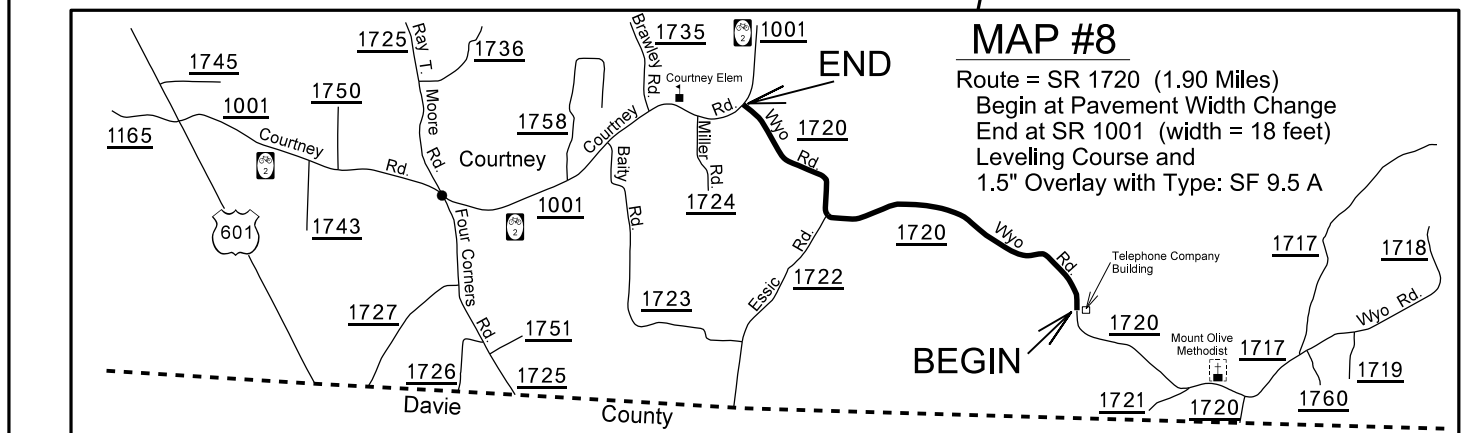
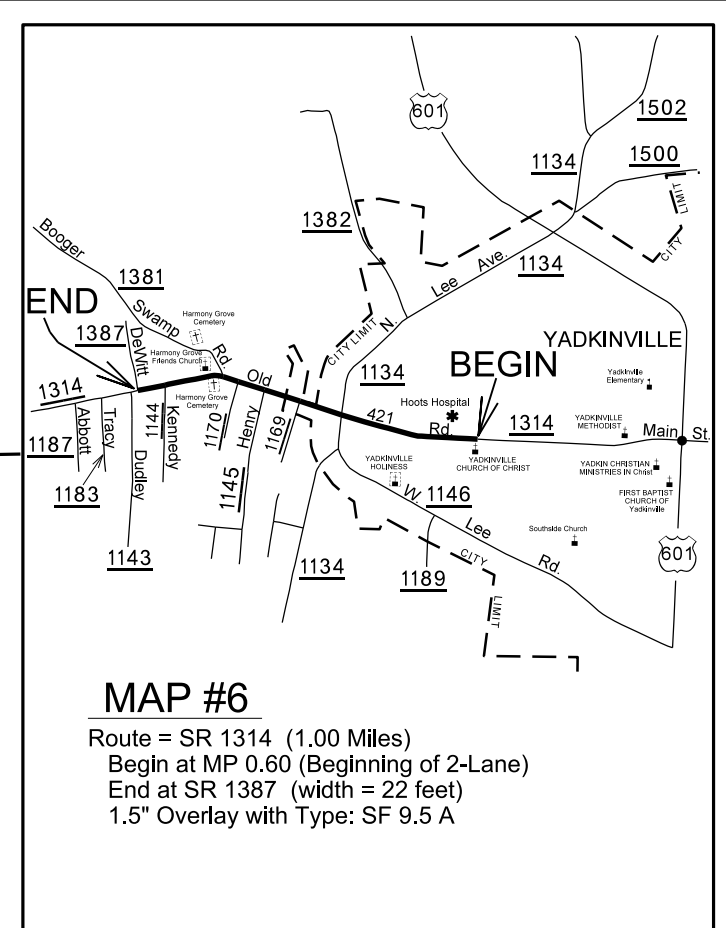
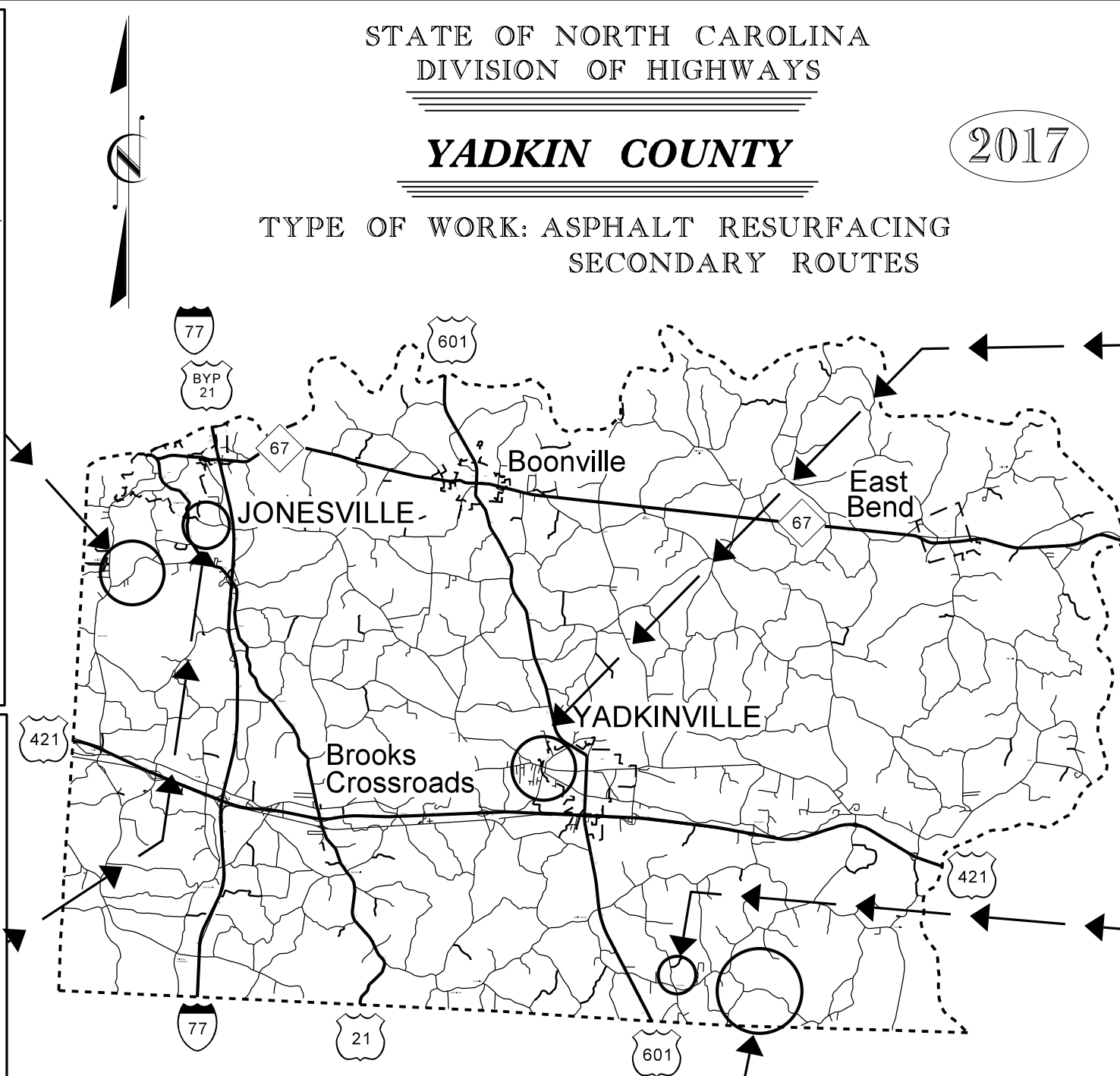
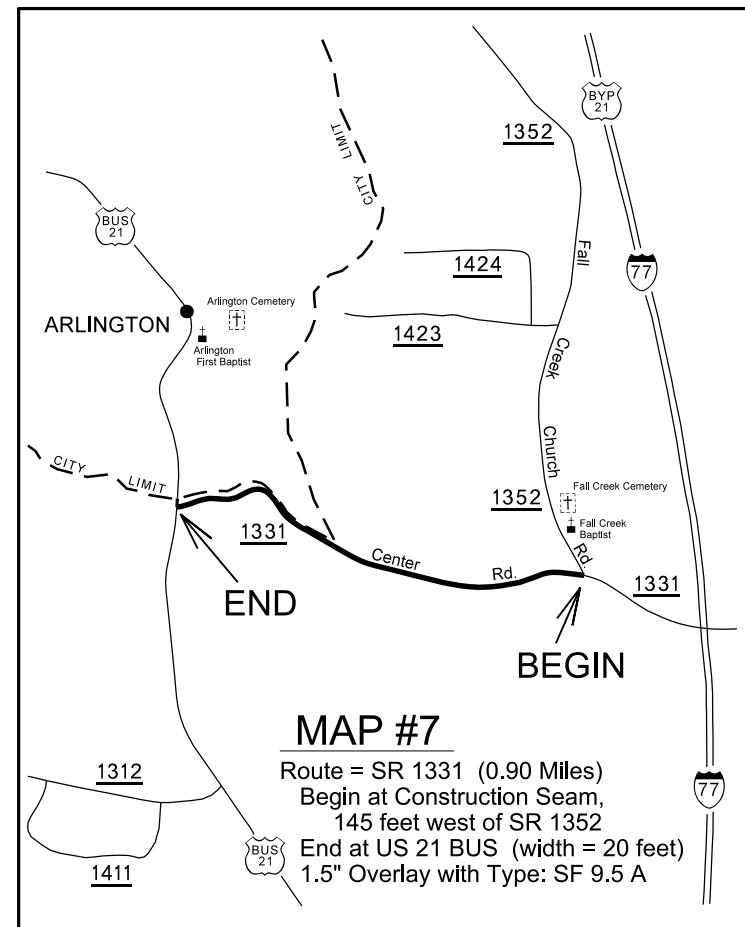
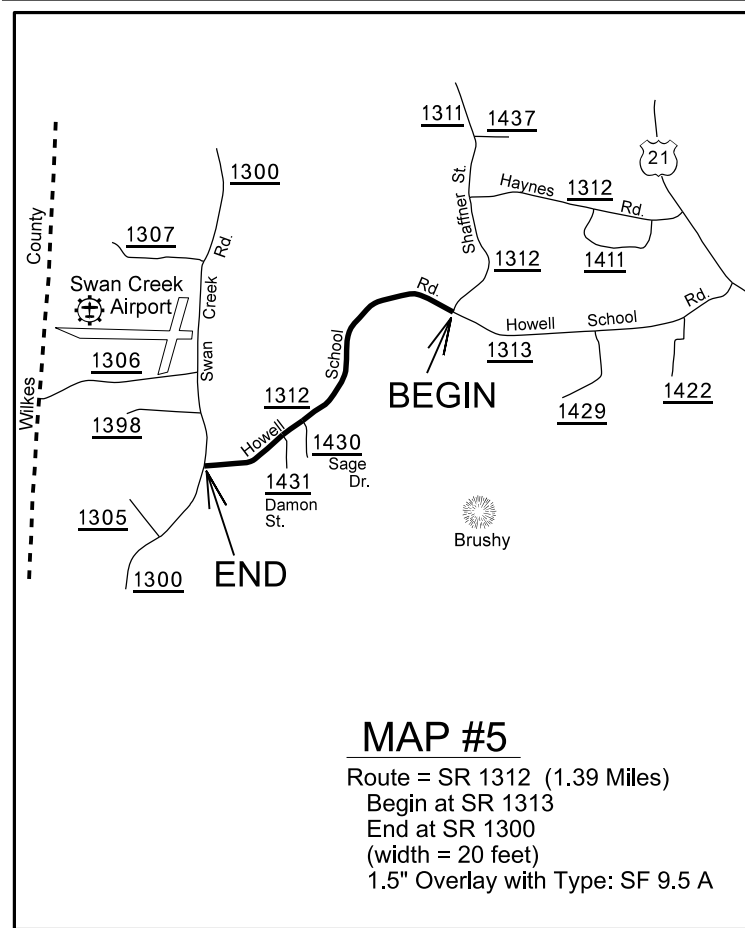


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**YADKIN COUNTY**

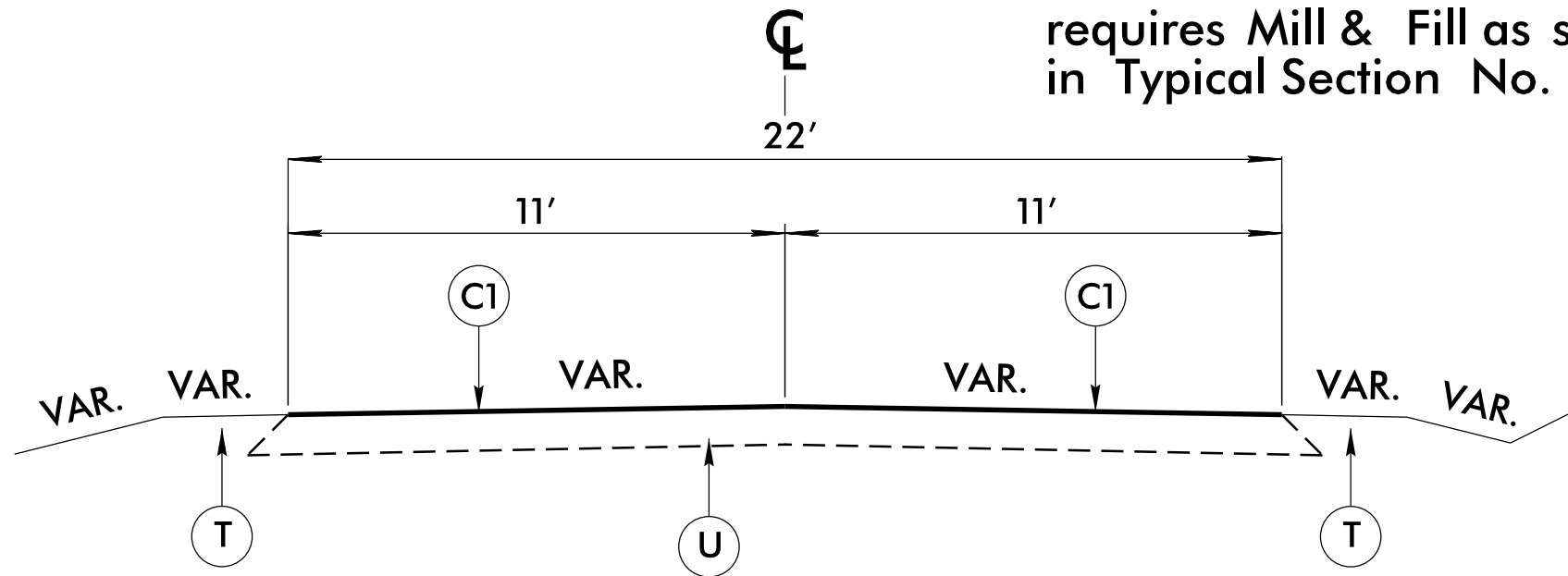
2017

TYPE OF WORK: ASPHALT RESURFACING  
SECONDARY ROUTES



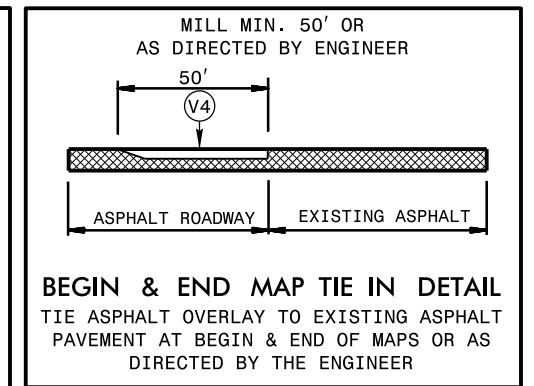
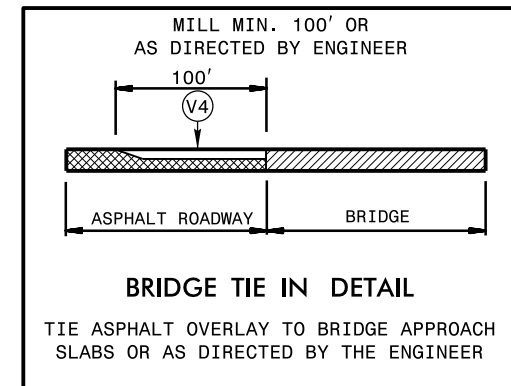
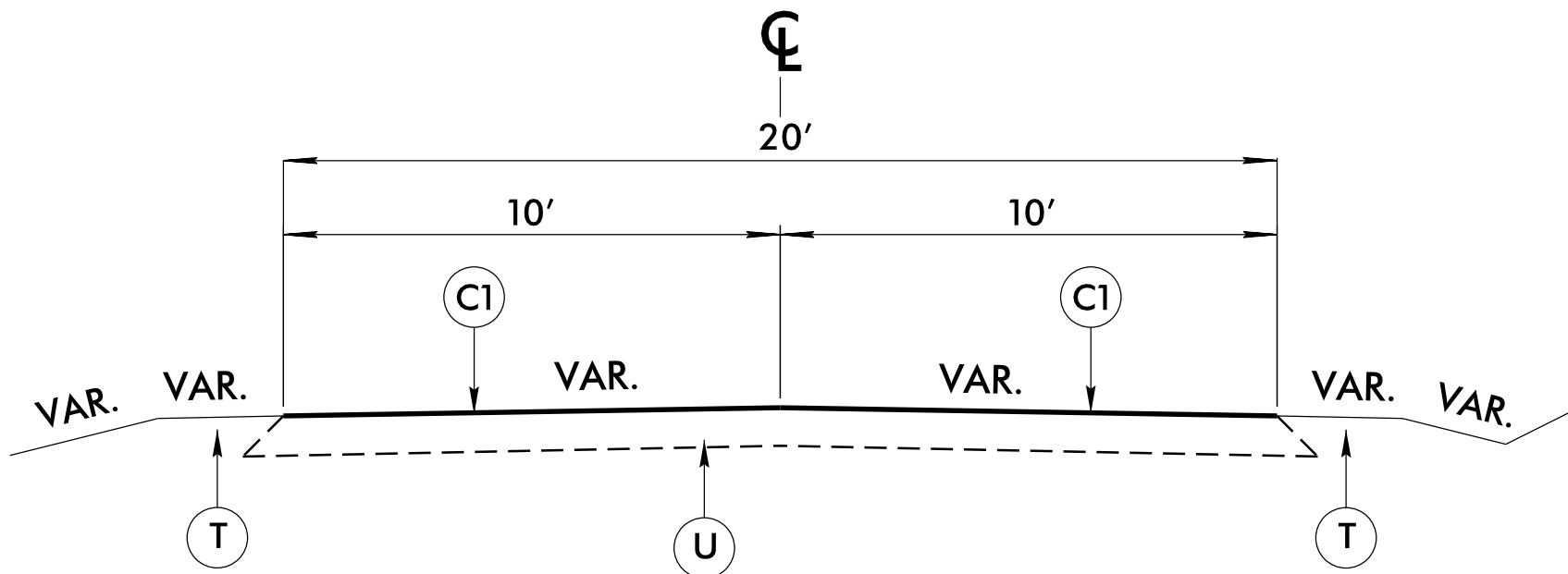
**TYPICAL SECTION NO. 1**  
**REFER TO MAPS: 1, 4 and 6**

**NOTE: A Portion of Map 4 requires Mill & Fill as shown in Typical Section No. 4**



PAVEMENT SCHEDULE	
C1	PROPOSED: 1.5" Overlay, Type SF 9.5 A AVERAGE ASPHALT RATE: 165 lbs. per Sq. Yd.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V4	INCIDENTAL MILLING (See Tie in Detail below)

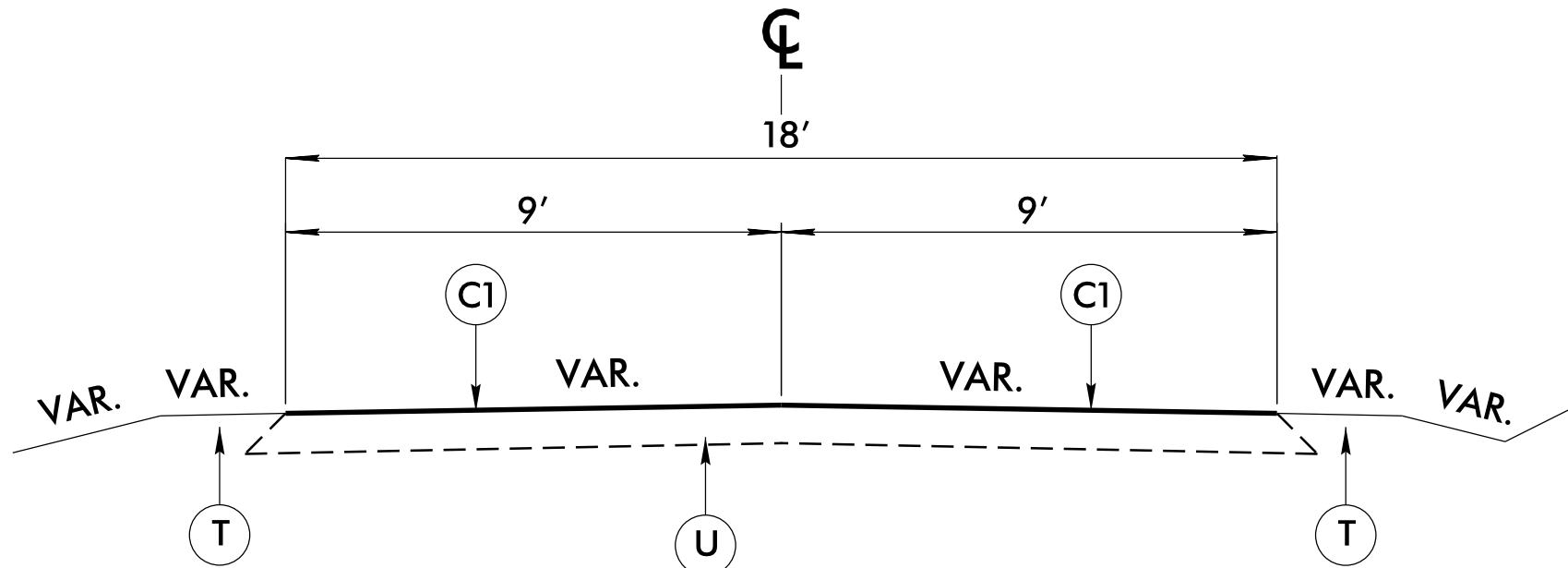
**TYPICAL SECTION NO. 2**  
**REFER TO MAPS: 2, 5, 7 and 9**



<b>YADKIN COUNTY                  PRIMARY &amp; SECONDARY                  ROADS                  ASPHALT RESURFACING</b>			
REVISIONS			
	INIT.	DATE	
<b>N.C. DEPARTMENT of TRANSPORTATION                  DIVISION of HIGHWAYS                  DIVISION ELEVEN</b>			SCALE: N/A    DATE: 01/2016 PREPARED BY: S.B. DARNELL REVIEWED BY: J.D. WOOD REVIEWED BY:

### TYPICAL SECTION NO. 3

REFER TO MAP: 3



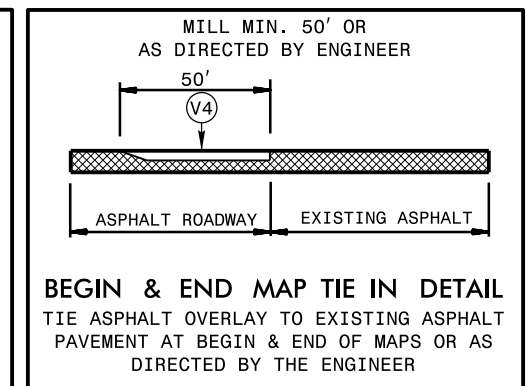
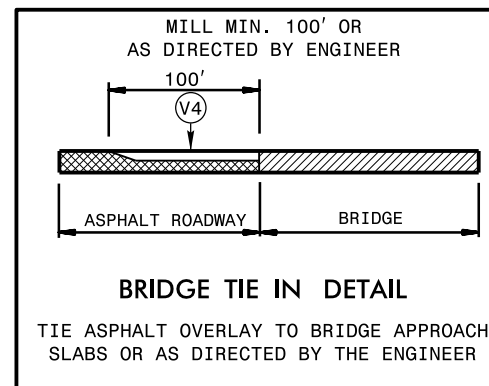
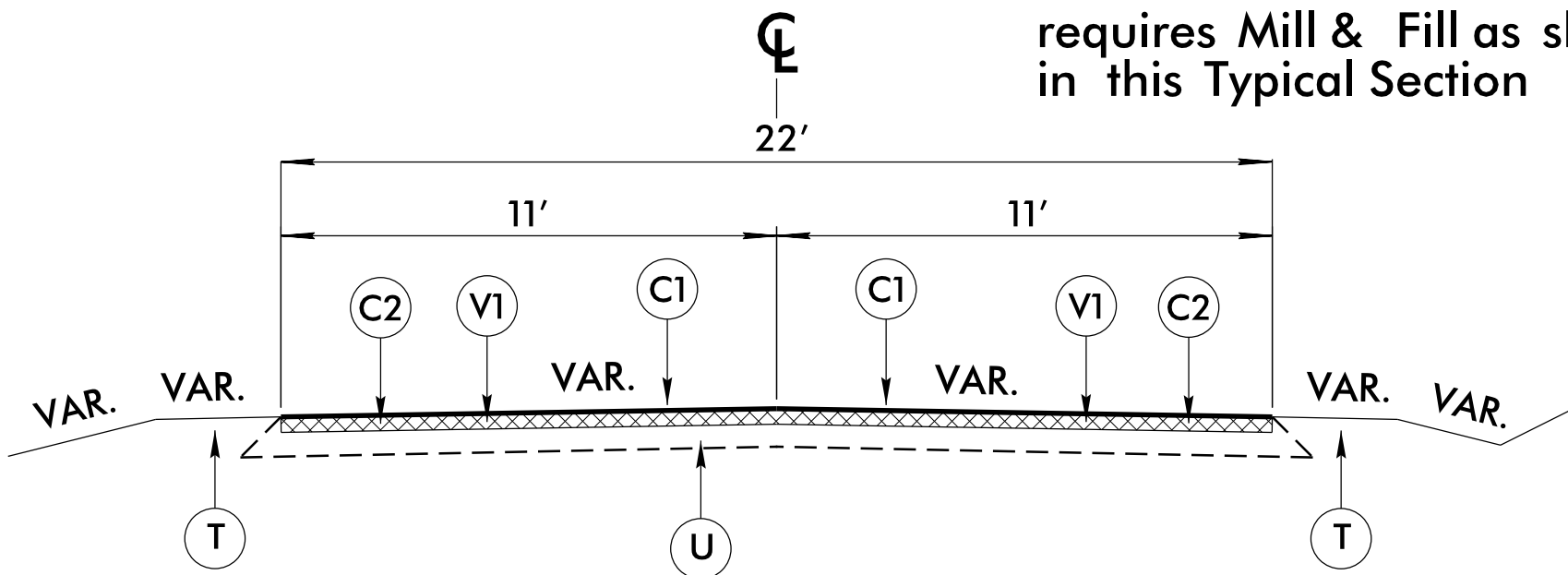
#### PAVEMENT SCHEDULE

C1	PROPOSED: 1.5" Overlay, Type SF 9.5 A AVERAGE ASPHALT RATE: 165 lbs. per Sq. Yd.
C2	PROPOSED: 4" Fill, Type B 25.0 B AVERAGE ASPHALT RATE: 456 lbs. per Sq. Yd.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 4"
V4	INCIDENTAL MILLING (See Tie in Detail below)

### TYPICAL SECTION NO. 4

REFER TO MAP: 4

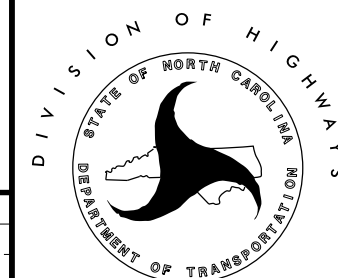
NOTE: A Portion of Map 4  
requires Mill & Fill as shown  
in this Typical Section



### YADKIN COUNTY PRIMARY & SECONDARY ROADS ASPHALT RESURFACING

REVISIONS	INIT.	DATE

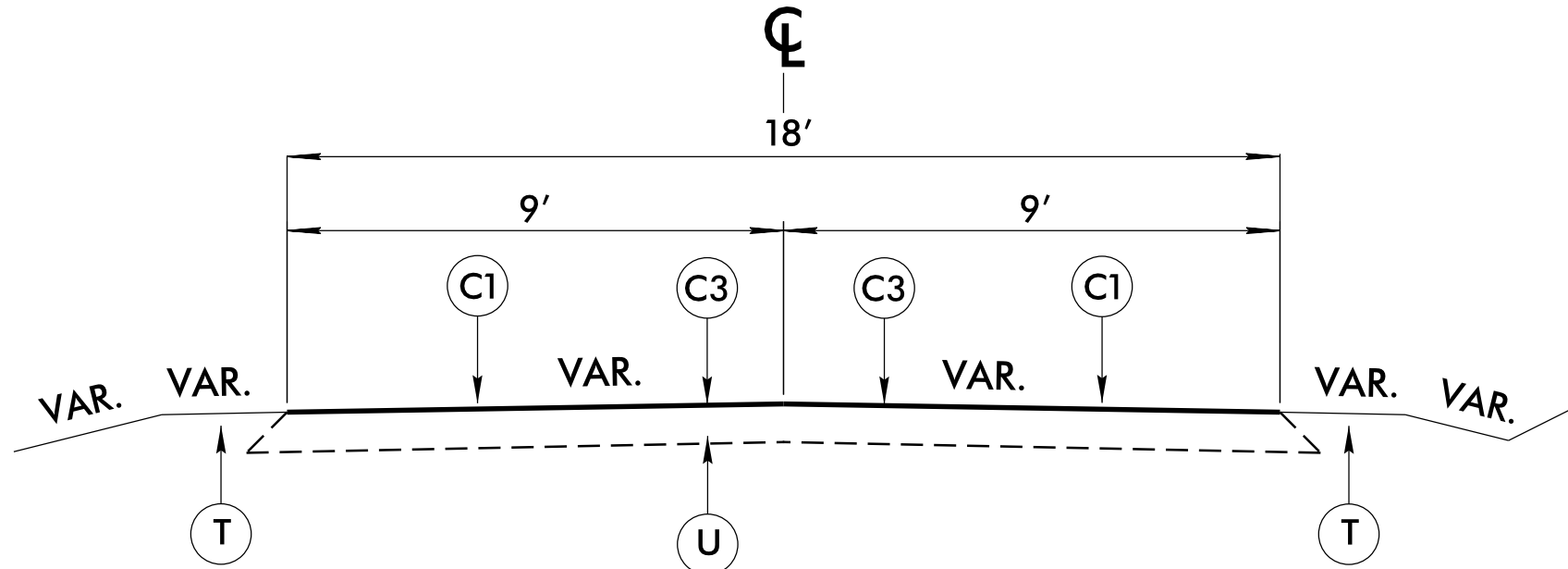
N.C. DEPARTMENT of TRANSPORTATION  
DIVISION of HIGHWAYS  
DIVISION ELEVEN



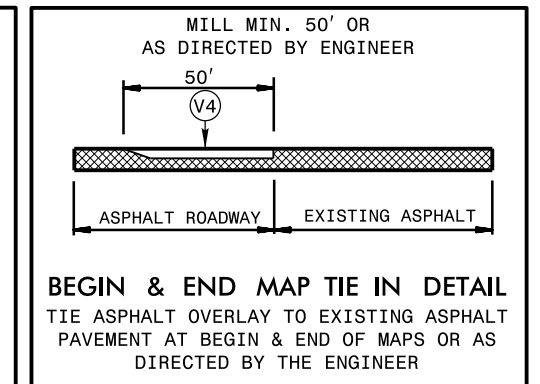
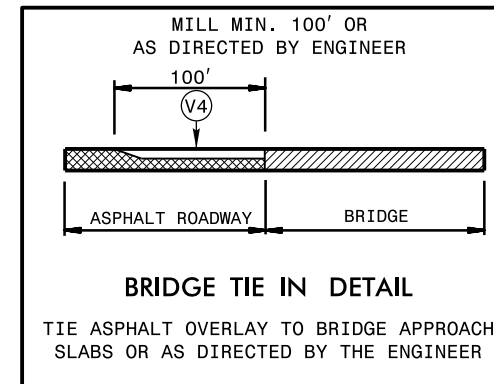
SCALE: N/A DATE: 01/2016  
PREPARED BY: S.B. DARNELL  
REVIEWED BY: J.D. WOOD  
REVIEWED BY:

# TYPICAL SECTION NO. 5

REFER TO MAP: 8



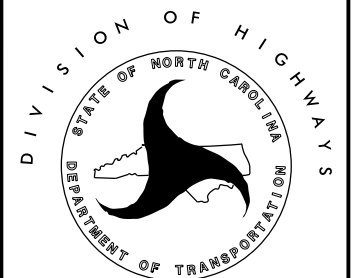
PAVEMENT SCHEDULE	
C1	PROPOSED: 1.5" Overlay, Type SF 9.5 A AVERAGE ASPHALT RATE: 165 lbs. per Sq. Yd.
C3	PROPOSED: LEVELING COURSE
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V4	INCIDENTAL MILLING (See Tie in Detail below)



## YADKIN COUNTY PRIMARY & SECONDARY ROADS ASPHALT RESURFACING

REVISIONS	INIT.	DATE

N.C. DEPARTMENT of TRANSPORTATION  
DIVISION of HIGHWAYS  
DIVISION ELEVEN



SCALE: N/A DATE: 01/2016

PREPARED BY: S.B. DARNELL

REVIEWED BY: J.D. WOOD

REVIEWED BY:

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.11.05.10991, 2017CPT.11.05.20991		

### SUMMARY OF QUANTITIES

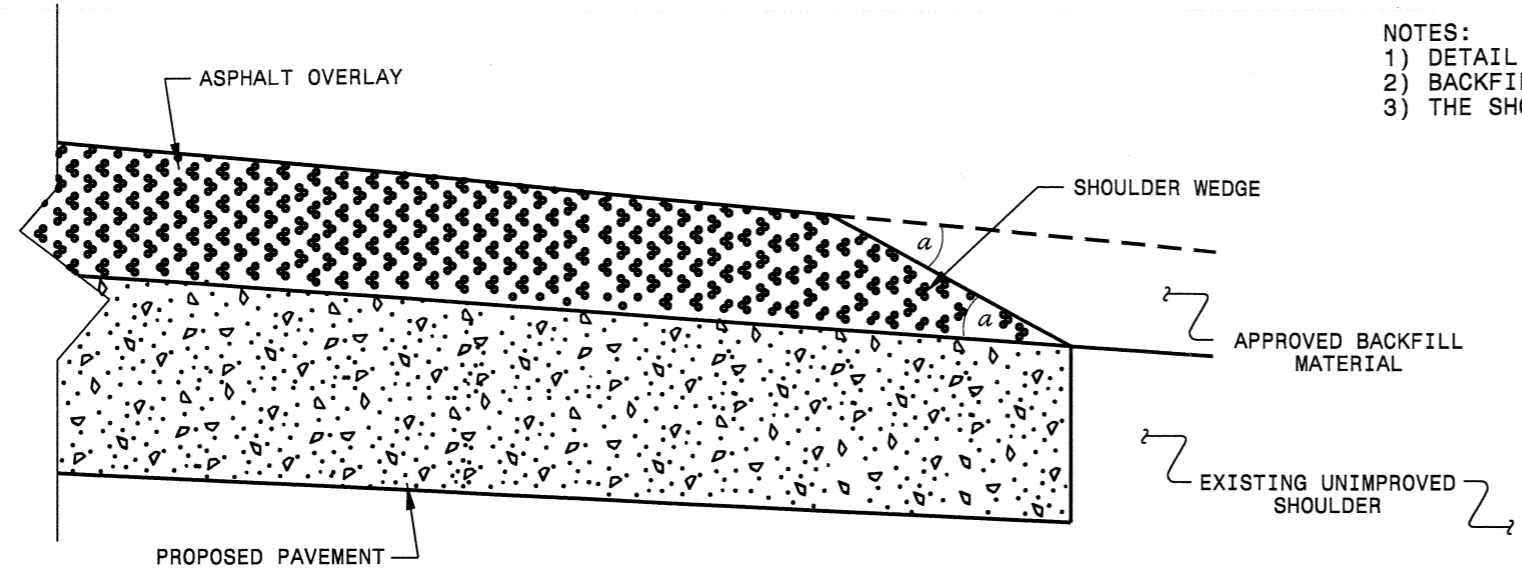
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARMMX ASPHALT REQUIRED	LENGTH M	WIDTH FT	BORROW EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SM	1½" MILLING SY	4" MILLING SY	0" TO 1.5" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, SF9.5A TONS	LEVELING COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MX TONS	PATCHING EXISTING PAVEMENT TONS	ADI. OF MANHOLES EA	ADI. OF METER OR VALVE BOX EA	SEED & MULCHING AC
2017CPT.11.05.10991	Yadkin	1	US 21	FROM CONSTRUCTION JOINT AT US 421 TO I-77	1	2	2WU	NO	NO	6.3	24	1,260	315	12.60	733		244	1,575		7,800		523	100			2.84
<b>TOTAL FOR PROJ NO. 2017CPT.11.05.10991</b>										<b>6.3</b>		<b>1,260</b>	<b>315</b>	<b>12.60</b>	<b>733</b>		<b>244</b>	<b>1,575</b>		<b>7,800</b>		<b>523</b>	<b>100</b>			<b>2.84</b>
2017CPT.11.05.20991	Yadkin	2	SR 1003	FROM SR 1534 TO SR 1541	2	2	2WU	NO	NO	1.16	20	232	58	2.32						1,455		97	100			0.52
2017CPT.11.05.20991	Yadkin	3	SR 1146	FROM SR 1708 TO DOUBLE R TRAIL	3	2	2WU	NO	NO	1.3	20	260	50	2.60				65		1,315		88				0.59
2017CPT.11.05.20991	Yadkin	4	SR 1166	FROM CONSTRUCTION JOINT TO SR 1136	4	2	2WU	NO	NO	0.98	22	196	110	1.96		1,711	122		380	1,125		92				0.44
2017CPT.11.05.20991	Yadkin	5	SR 1312	FROM SR 1313 TO SR 1300	2	2	2WU	NO	NO	1.39	20	278	50	2.78				70		1,450		97	50			0.63
2017CPT.11.05.20991	Yadkin	6	SR 1314	FROM CONSTRUCTION JOINT TO SR 1387	1	2	2WU	NO	NO	1	22	200	120	2.00				50		1,200		80	100	3	5	0.45
2017CPT.11.05.20991	Yadkin	7	SR 1331	FROM SR 1352 TO US 21	2	2	2WU	NO	NO	0.9	21	180	50	1.80				45		970		65	100			0.41
2017CPT.11.05.20991	Yadkin	8	SR 1720	FROM PAVEMENT WIDTH CHANGE TO SR 1001	5	2	2WU	NO	NO	1.8	18	360		3.60				135		1,629	1,069	173	150			0.81
2017CPT.11.05.20991	Yadkin	9	SR 1725	FROM SR 1001 TO SR 1736	2	2	2WU	NO	NO	0.5	20	100		1.00				50		510		34	75			0.23
<b>TOTAL FOR PROJ NO. 2017CPT.11.05.20991</b>										<b>9.03</b>		<b>1,806</b>	<b>438</b>	<b>18.06</b>		<b>1,711</b>	<b>122</b>	<b>415</b>	<b>380</b>	<b>9,654</b>	<b>1,069</b>	<b>726</b>	<b>575</b>	<b>3</b>	<b>5</b>	<b>4.06</b>
<b>GRANDTOTAL</b>										<b>15.33</b>		<b>3,066</b>	<b>753</b>	<b>30.66</b>	<b>733</b>	<b>1,711</b>	<b>366</b>	<b>1,990</b>	<b>380</b>	<b>17,454</b>	<b>1,069</b>	<b>1,249</b>	<b>675</b>	<b>3</b>	<b>5</b>	<b>6.90</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.11.05.10991, 2017CPT.11.05.20991		

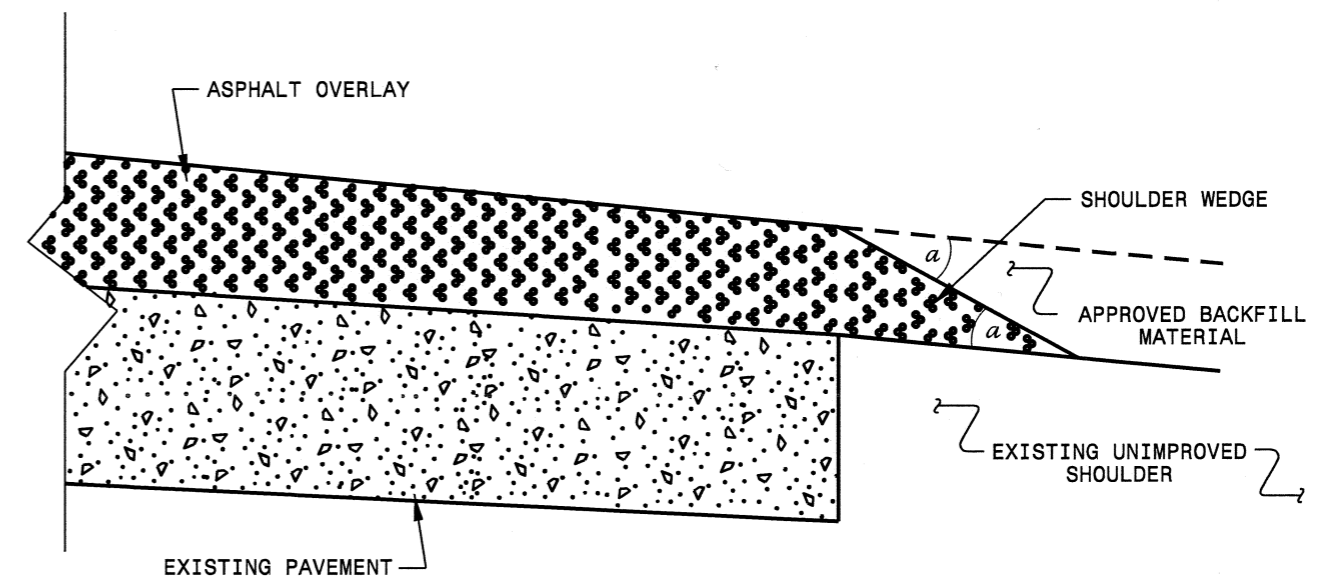
### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4810000000-E		4905000000-N
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS	4" WHITE PAINT LF	4" YELLOW PAINT LF	SNOW PLOWABLE MARKERS EA
2017CPT.11.05.10991	Yadkin	1	US 21	FROM CONSTRUCTION JOINT AT US 421 TO I-77	1	2	2WU	6.3	24	244	1	135,576	135,576	416
<b>TOTAL FOR PROJ NO. 2017CPT.11.05.10991</b>							<b>6.3</b>			<b>244</b>	<b>1</b>	<b>135,576</b>	<b>135,576</b>	<b>416</b>
												<b>271,152</b>		
2017CPT.11.05.20991	Yadkin	2	SR 1003	FROM SR 1534 TO SR 1541	2	2	2WU	1.16	20	72	*	24,963	24,963	77
2017CPT.11.05.20991	Yadkin	3	SR 1146	FROM SR 1708 TO DOUBLE R TRAIL	3	2	2WU	1.3	20	72	*	27,976	27,976	86
2017CPT.11.05.20991	Yadkin	4	SR 1166	FROM CONSTRUCTION JOINT TO SR 1136	4	2	2WU	0.98	22	64	*	21,090	21,090	
2017CPT.11.05.20991	Yadkin	5	SR 1312	FROM SR 1313 TO SR 1300	2	2	2WU	1.39	20	72	*	29,913	29,913	
2017CPT.11.05.20991	Yadkin	6	SR 1314	FROM CONSTRUCTION JOINT TO SR 1387	1	2	2WU	1	22	72	*	21,520	21,520	
2017CPT.11.05.20991	Yadkin	7	SR 1331	FROM SR 1352 TO US 21	2	2	2WU	0.9	21	72	*	19,368	19,368	
2017CPT.11.05.20991	Yadkin	8	SR 1720	FROM PAVEMENT WIDTH CHANGE TO SR 1001	5	2	2WU	1.8	18	72	*	38,736	38,736	
2017CPT.11.05.20991	Yadkin	9	SR 1725	FROM SR 1001 TO SR 1736	2	2	2WU	0.5	20	72	*	10,760	10,760	
<b>TOTAL FOR PROJ NO. 2017CPT.11.05.20991</b>							<b>9.03</b>			<b>568</b>		<b>194,326</b>	<b>194,326</b>	<b>163</b>
												<b>388,652</b>		
<b>GRAND TOTAL</b>							<b>15.33</b>			<b>812</b>	<b>1</b>	<b>329,902</b>	<b>329,902</b>	<b>579</b>
												<b>659,804</b>		

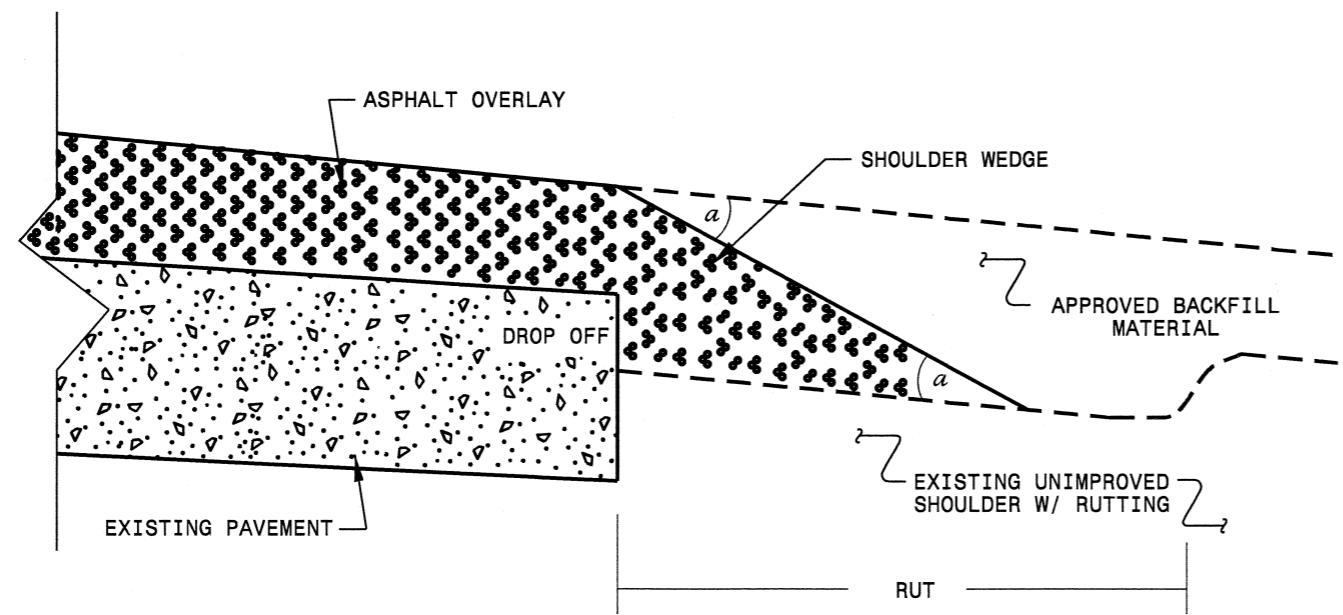
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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

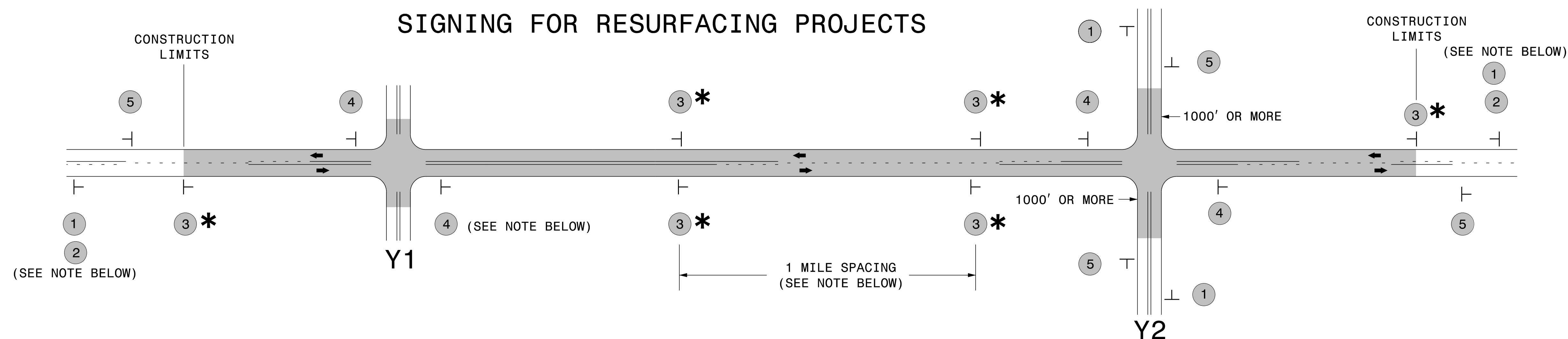
**SHOULDER WEDGE  
DETAILS**

ORIGINAL BY: T.SPELL DATE: 7-19-11  
MODIFIED BY: DATE: 10/18/12  
CHECKED BY: DATE:  
FILE SPEC.: s:\user\details\stand\shoulderwedgedetail.dgn

SYSTEMS CONSULTANTS  
CONSULTANTS



## SIGNING FOR RESURFACING PROJECTS



LEGEND	
	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
1 2		<p style="text-align: center;"><b>NO REQUIRED STATIONARY SIGNING 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 style="text-align: center;">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.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p style="font-size: small;">W20-1 48" X 48"</p> </div> <div style="text-align: center;"> <p style="font-size: small;">W20-7 A 48" X 48"</p> </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
3 *		
4		
5		

### \* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:  
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**