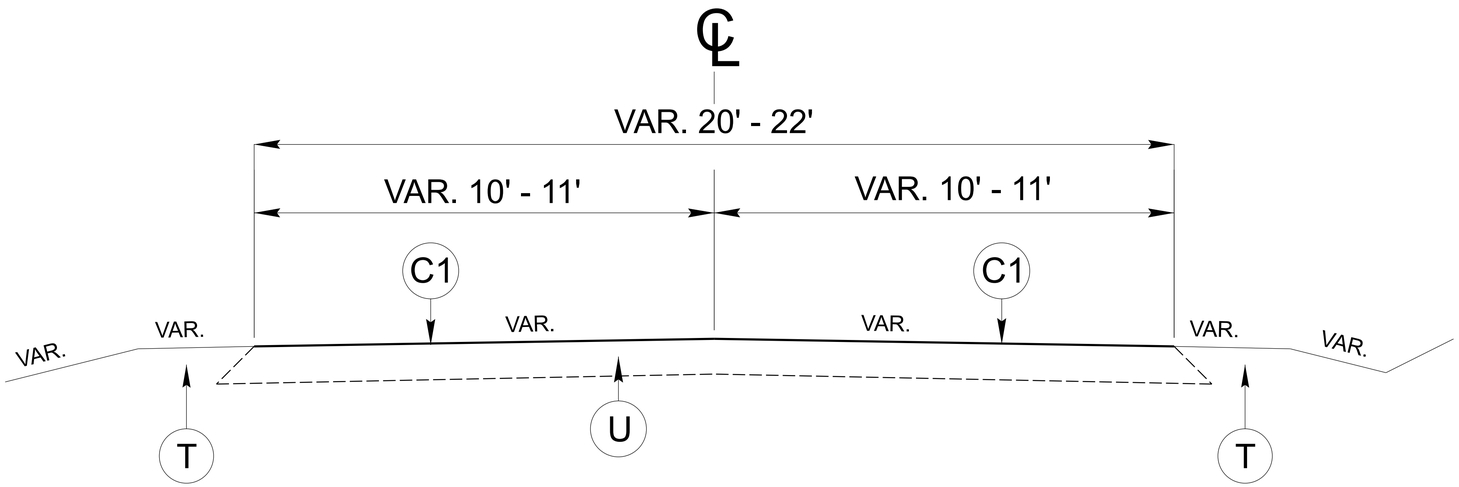
5/26/20

* "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.

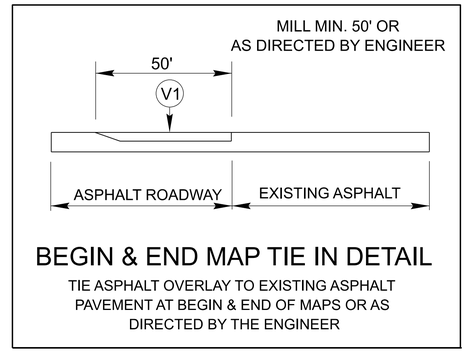
* INCIDENTAL MILLING AT LOCATIONS AS DIRECTED BY THE ENGINEER

PAVEMENT SCHEDULE	
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	INCIDENTAL MILLING (See Tie in Detail)



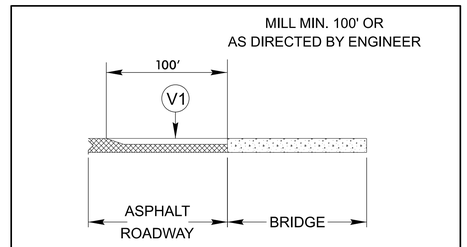
TYPICAL SECTION NO. 1

MAP 1 - SR 1133 COUNTRY CLUB DR FROM US 21 TO SR 1001
MAP 2 - SR 1350 RED BRUSH RD FROM SR 1352 TO SR 1345
MAP 3 - SR 1350 RED BRUSH RD FROM SR 1345 TO SR 1350
MAP 4 - SR 1533 BETTY AVE FROM SR 1350 TO DEAD END
MAP 5 - SR 1605 ROUND PEAK CHURCH RD FROM SR 1607 TO SR 1397
MAP 6 - SR 1618 MAPLE GROVE CHURCH RD FROM SR 1622 TO SR 1602
MAP 7 - SR 1702 PARKER RD FROM SR 1701 TO VA STATE LINE



BEGIN & END MAP TIE IN DETAIL

TIE ASPHALT OVERLAY TO EXISTING ASPHALT PAVEMENT AT BEGIN & END OF MAPS OR AS DIRECTED BY THE ENGINEER



BRIDGE TIE IN DETAIL

TIE ASPHALT OVERLAY TO BRIDGE APPROACH SLABS OR AS DIRECTED BY THE ENGINEER

NOTE: TYPICALS ARE NOT TO SCALE

DK00503
001

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION of HIGHWAYS

DIVISION ELEVEN

SURRY COUNTY

SECONDARY ROADS

2027
ASPHALT
RESURFACING

DATE: 11/12/2026
PREPARED BY: DLH

REVISIONS

CONTRACT NUMBER	SHEET NUMBER
DK00503	2

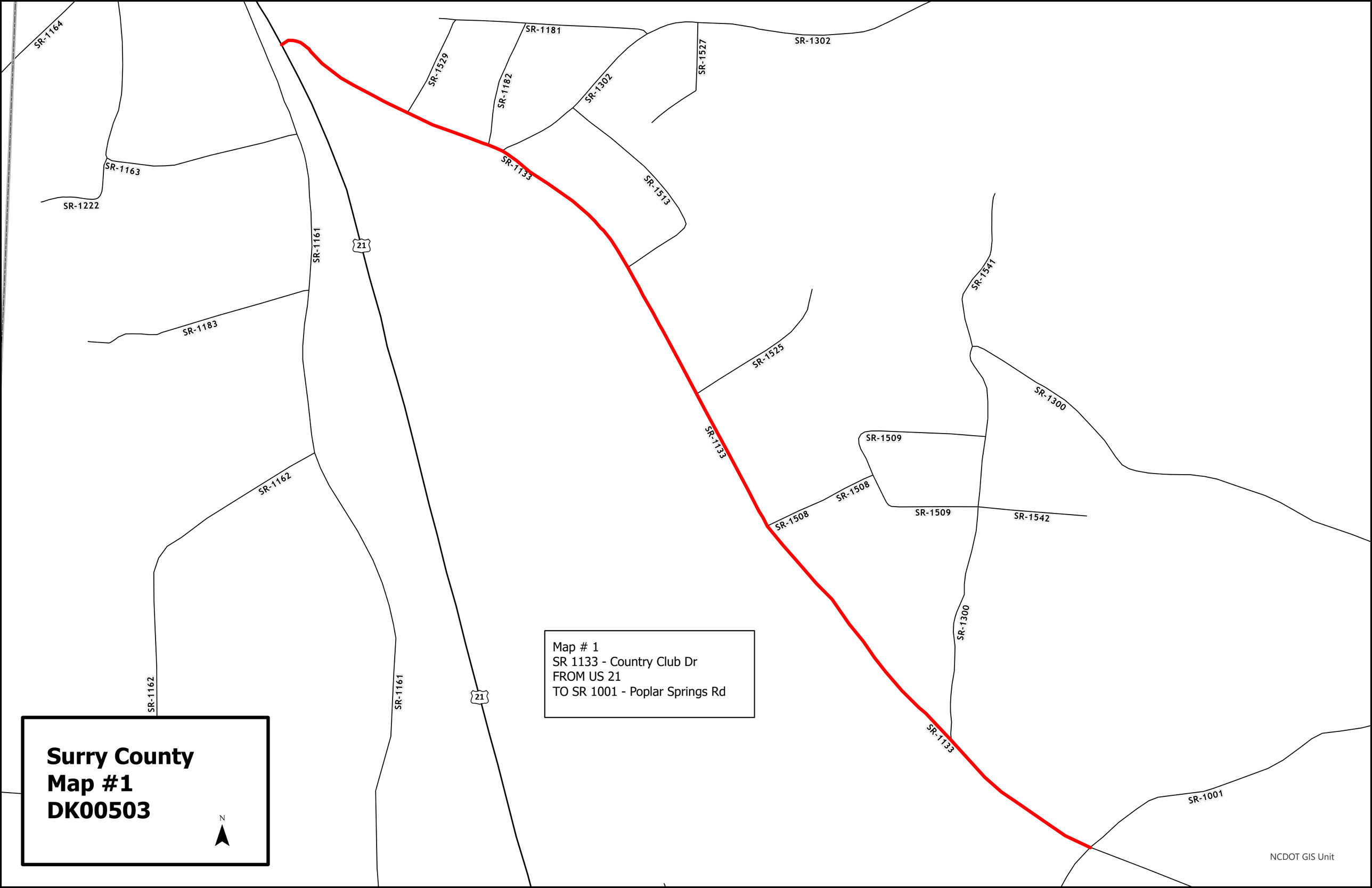
SUMMARY OF QUANTITIES

												1220000000-E	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT
								MI	FT			TONS	SMI	TON	SY	TONS	TON	TONS
2027CPT.11.07.20861	Surry	1	SR-1133 / COUNTRY CLUB DRIVE	FROM US 21 TO SR 1001	1	2	2WU	1.540	20	0.000	1.540	64	3.1	308	556	1,650	110	50
2027CPT.11.07.20861	Surry	2	SR-1350 / RED BRUSH ROAD	FROM SR 1352 TO SR 1345	1	2	2WU	1.000	22	7.000	8.000	48	2.0	200	122	1,178	79	50
2027CPT.11.07.20861	Surry	3	SR-1350 / RED BRUSH ROAD	FROM SR 1345 TO SR 1350	1	2	2WU	0.260	22	8.000	8.260	48	0.5	52	122	306	22	50
2027CPT.11.07.20861	Surry	4	SR-1533 / BETTY AVENUE	FROM SR 1350 TO DEAD END	1	2	2WU	0.118	20	0.000	0.118	40	0.2	24	122	126	8	50
2027CPT.11.07.20861	Surry	5	SR-1605 / ROUND PEAK CHURCH ROAD	FROM SR 1607 TO SR 1397	1	2	2WU	1.180	20	2.720	3.900	160	2.4	236	222	1,264	85	50
2027CPT.11.07.20861	Surry	6	SR-1618 / MAPLE GROVE CHURCH ROAD	FROM SR 1622 TO SR 1602	1	2	2WU	2.050	20	1.830	3.880	164	4.1	410	700	2,196	145	50
2027CPT.11.07.20861	Surry	7	SR-1702 / PARKER ROAD	FROM SR 1701 TO VIRGINIA STATE LINE	1	2	2WU	1.310	20	0.000	1.310	72	2.6	262	222	1,404	94	50
TOTAL FOR PROJ NO. 2027CPT.11.07.20861								**7.458**				**596**	**15.0**	**1,492**	**2,066**	**8,124**	**543**	**350**
GRAND TOTAL								**7.458**				**596**	**15.0**	**1,492**	**2,066**	**8,124**	**543**	**350**

CONTRACT NUMBER	SHEET NUMBER
DK00503	3

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4890000000-E	4895000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 65 MIL	POLYCARBONATE H-SHAPED MARKER
								MI	FT			SF	LF	EA
2027CPT.11.07.20861	Surry	1	SR-1133 / COUNTRY CLUB DRIVE	FROM US 21 TO SR 1001	1	2	2WU	1.54	20	0	1.54		32,600	
2027CPT.11.07.20861	Surry	2	SR-1350 / RED BRUSH ROAD	FROM SR 1352 TO SR 1345	1	2	2WU	1	22	7	8		21,200	66
2027CPT.11.07.20861	Surry	3	SR-1350 / RED BRUSH ROAD	FROM SR 1345 TO SR 1350	1	2	2WU	0.26	22	8	8.26		5,500	18
2027CPT.11.07.20861	Surry	4	SR-1533 / BETTY AVENUE	FROM SR 1350 TO DEAD END	1	2	2WU	0.118	20	0	0.118			
2027CPT.11.07.20861	Surry	5	SR-1605 / ROUND PEAK CHURCH ROAD	FROM SR 1607 TO SR 1397	1	2	2WU	1.18	20	2.72	3.9		25,000	
2027CPT.11.07.20861	Surry	6	SR-1618 / MAPLE GROVE CHURCH ROAD	FROM SR 1622 TO SR 1602	1	2	2WU	2.05	20	1.83	3.88	242	43,300	
2027CPT.11.07.20861	Surry	7	SR-1702 / PARKER ROAD	FROM SR 1701 TO VIRGINIA STATE LINE	1	2	2WU	1.31	20	0	1.31		27,700	
TOTAL FOR PROJ NO. 2027CPT.11.07.20861								**7.458**				**242**	**155,300**	**84**
GRAND TOTAL								**7.458**				**242**	**155,300**	**84**


SR-1164
SR-1163
SR-1222
SR-1161
21
SR-1183
SR-1162
SR-1162
SR-1161
21
SR-1529
SR-1181
SR-1182
SR-1302
SR-1527
SR-1302
SR-1133
SR-1513
SR-1525
SR-1133
SR-1541
SR-1300
SR-1509
SR-1508
SR-1508
SR-1509
SR-1542
SR-1300
SR-1133
SR-1001
Map # 1
SR 1133 - Country Club Dr
FROM US 21
TO SR 1001 - Poplar Springs Rd
Surry County
Map #1
DK00503
N
NCDOT GIS Unit

SR-1423

SR-1350

SR-1352

Map # 2
SR 1350 - Red Brush Rd
FROM SR 1352 - Fish River Church Rd
TO SR 1345 - Prison Camp Rd

Map # 3
SR 1350 - Red Brush Rd
FROM SR 1345 - Prison Camp Rd
TO SR 1350 - Red Brush Rd

850057

SR-1350

SR-1352

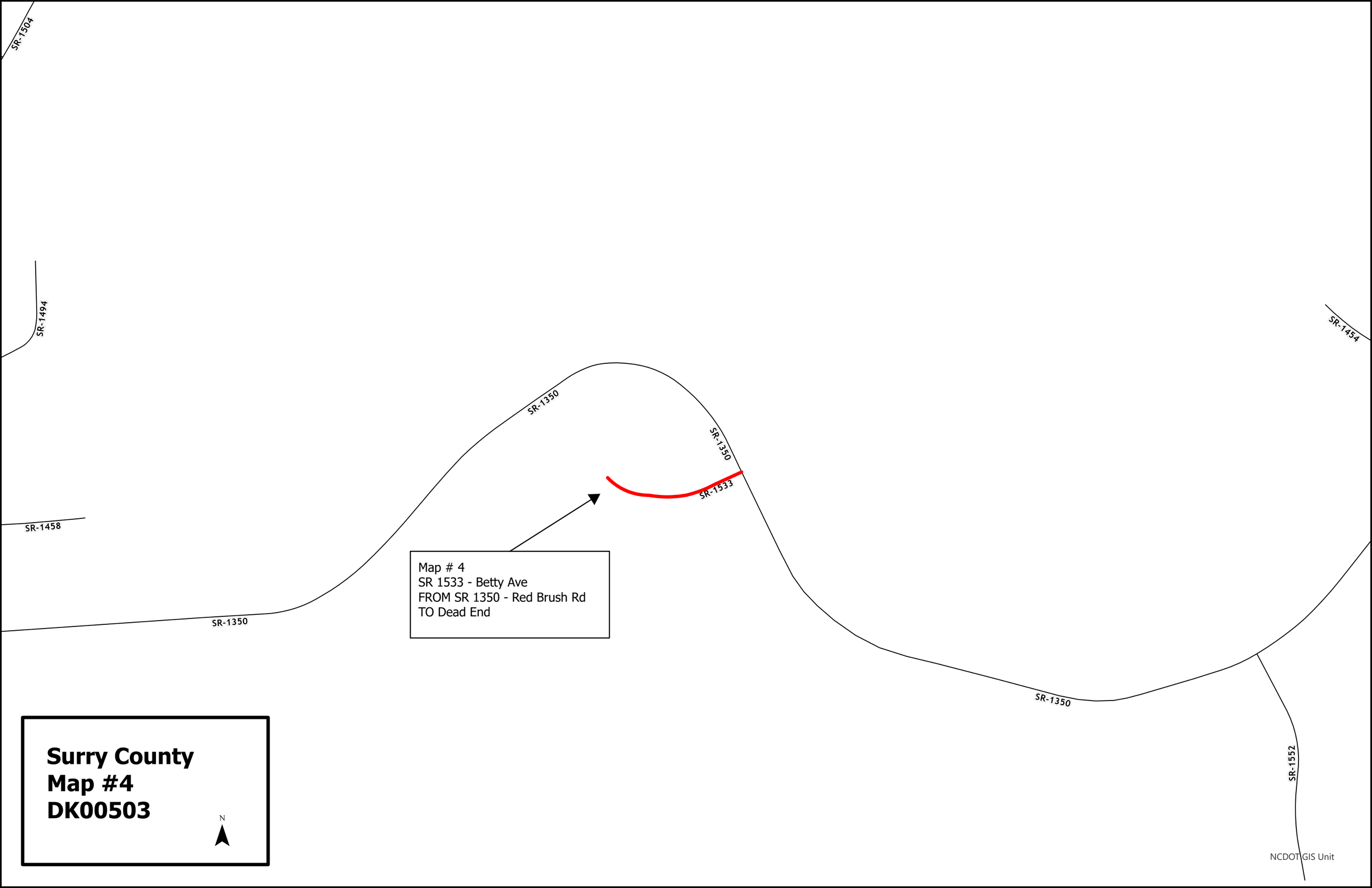
SR-1345

Surry County
Map #2 and 3
DK00503

N

SR-1346

NCDOT GIS Unit


SR-1504
SR-1494
SR-1454
SR-1350
SR-1350
SR-1533
SR-1458
SR-1350
SR-1350
SR-1552
Map # 4
SR 1533 - Betty Ave
FROM SR 1350 - Red Brush Rd
TO Dead End
Surry County
Map #4
DK00503
N
NCDOT GIS Unit

Map # 5
SR 1605 - Round Peak Church Rd
FROM SR 1606 - Dock Golding Rd
TO SR 1397 - Bryant Rd

Surry County
Map #5
DK00503

N

NCDOT GIS Unit

Map # 6
SR 1618 - Maple Grove Church Rd
FROM SR 1622 - Beamer Rd
TO SR 1602 - W. Imogene Church Rd

Surry County
Map #6
DK00503

N

NCDOT GIS Unit

Virginia

Surry County

SR-1862

SR-1862

SR-1905

SR-1701

SR-1702

SR-1702

SR-1719

SR-1891

SR-1717

SR-1720

SR-1721

SR-1909

SR-1721

SR-1909

SR-1722

SR-1717

SR-1700

SR-1701

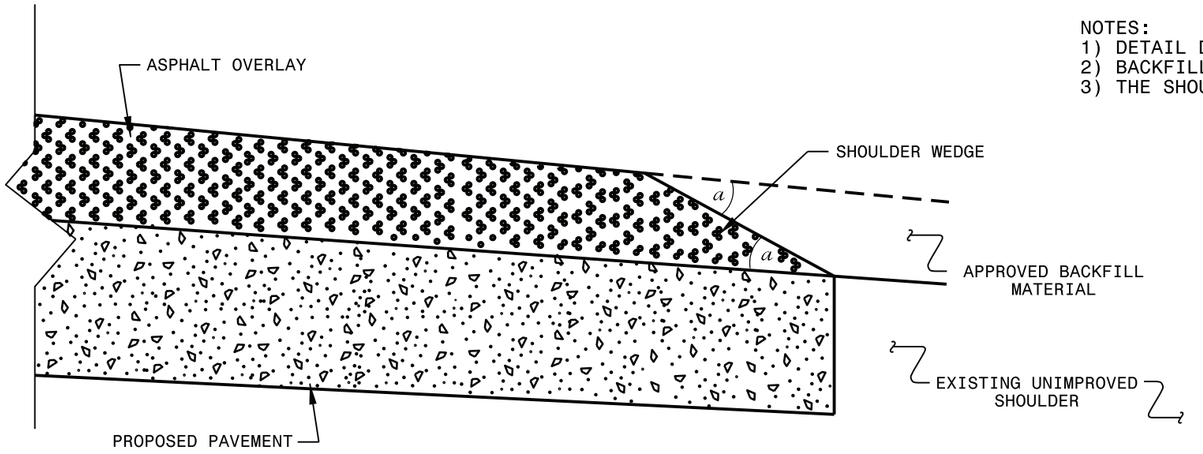
SR-1702

Map # 7
SR 1702 - Parker Rd
FROM SR 1701 - Greenhill Rd
TO VA State Line

Surry County
Map #7
DK00503

N

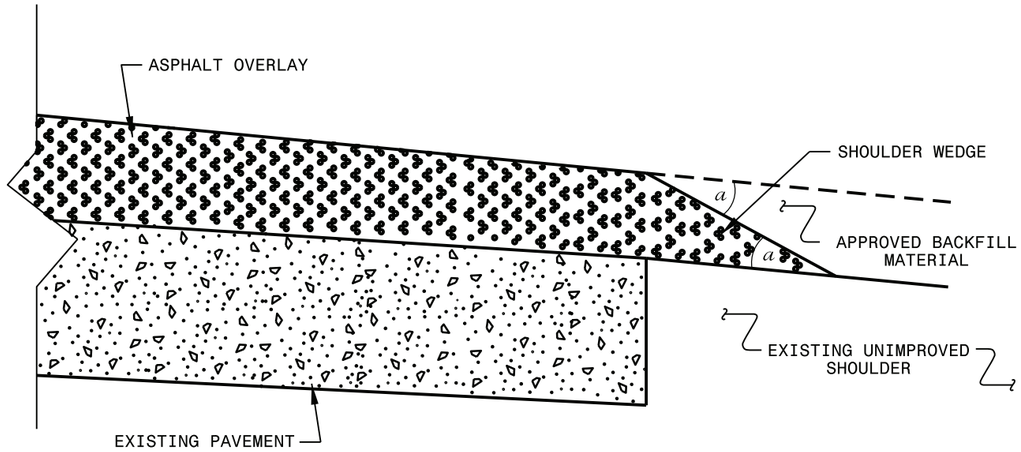
PROJECT REFERENCE NO.	SHEET NO.
DK00503	10



NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC 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.

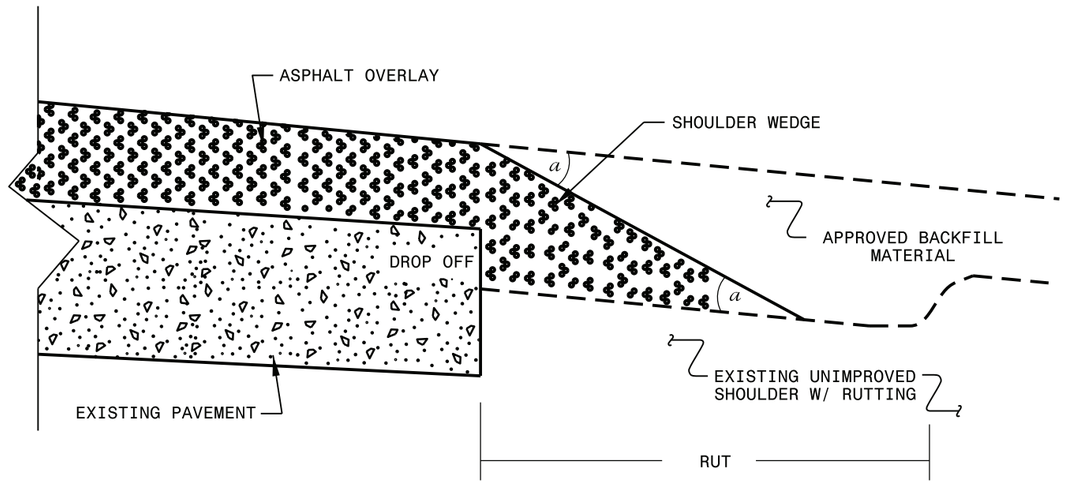
SHOULDER WEDGE DETAIL

(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°

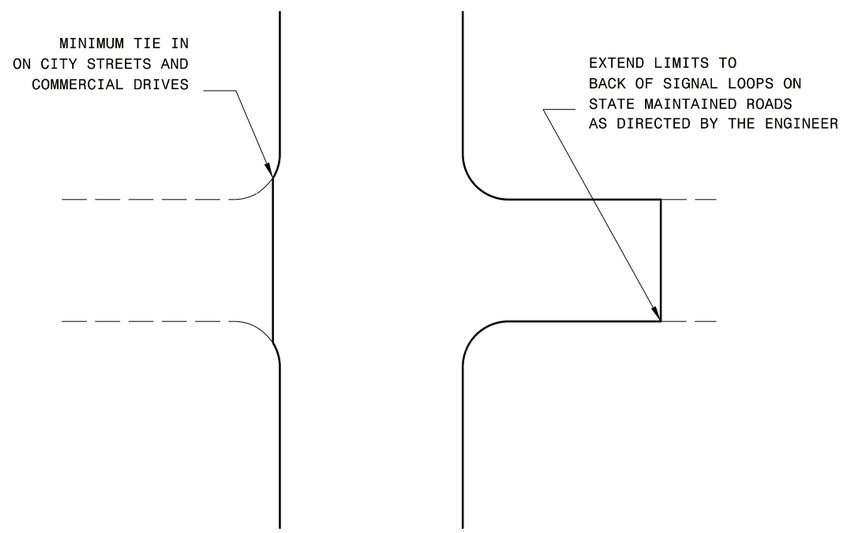
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAILS

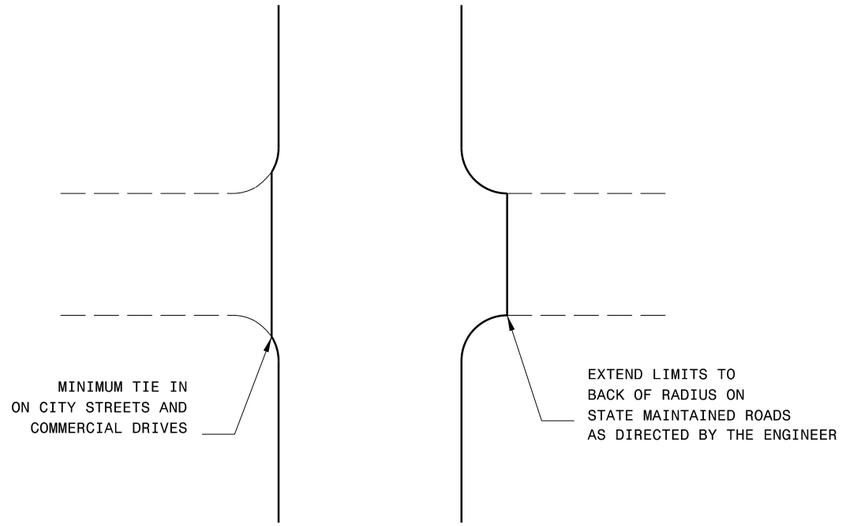
ORIGINAL BY:	T.SPELL	DATE:	7-19-11
MODIFIED BY:		DATE:	10/16/12
CHECKED BY:		DATE:	
FILE SPEC.:	s:usr/details/stand/shoulderwedgedetail.dgn		

$$$$SYSTIME$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
DK0503	11



TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



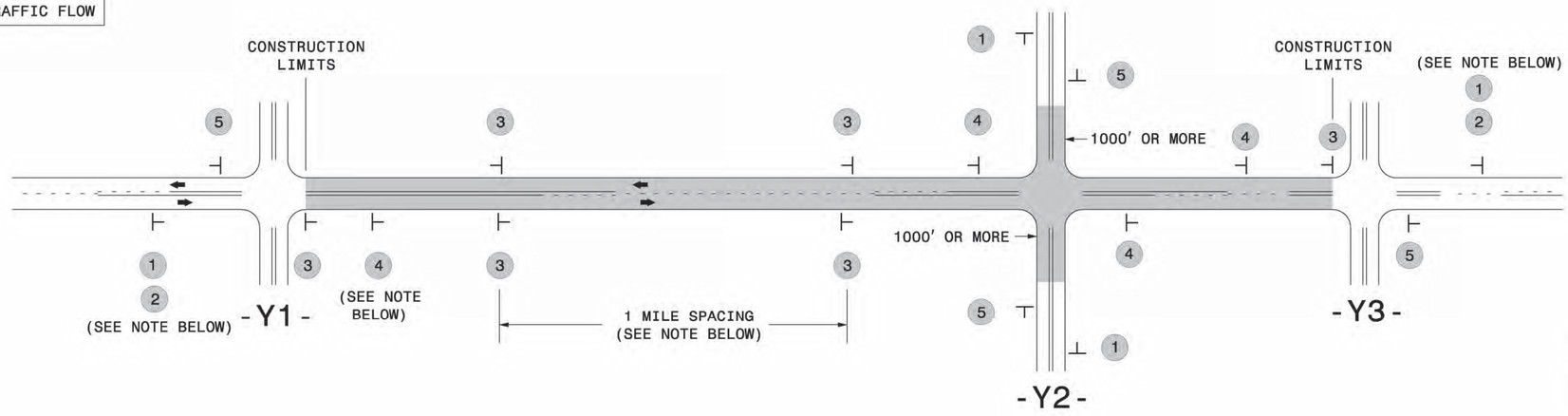
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

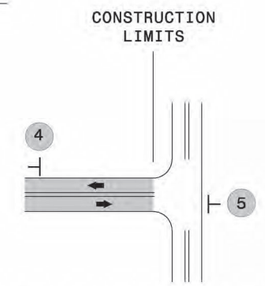
ADDITIONAL INTERSECTIONS (NON-TYPICAL)		
Extend paving limits to back of radius or loop on the following intersections:		
MAP#	STREET NAME	COMMENTS

PROJ. REFERENCE NO.	SHEET NO.
DK00503	12

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD, W20-1, 48″ X 48″
PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

2 — NEXT XX MILES, W7-3aP, 24″ X 18″
#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 — LOW SOFT SHOULDER, SP 13107, 48″ X 48″
- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST, SP 13106, 48″ X 48″
- 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 — END ROAD WORK, G20-2 A, 48″ X 24″
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.

-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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

ROAD WORK AHEAD, W20-1, 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

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

5/15/2017
S:\TMD\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kreddis