DL00308

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2024CPT.12.04.20361

GASTON COUNTY
2024CPT.12.04.20361

MAP 4
Dick Beam Rd.

MAP 5
Wallaby Rd.

MAP 1
Aderholdt Rd.

MAP 2
Rudisill Rd.

MAP 3
Hephzibah Ch. Rd.

N

GASTON COUNTY
2024CPT.12.04.20361

MAP 6
Killian Rd.

LINCOLN CO LINE

NC-16

NC-16 BUS

NC-273

Timber Brook Trl

Beatty Rd.

Jaramie Dr

Ridgecrest Dr

(Ridgecrest Dr.)

Orchard Ct.

Catalytuff Ln.

Robert Keever Rd

Oakmont Subdiv

Olivia Ct.

Griffin St.

Drew Rd

Kimberly Dr

Crystal Ct

Gloria Acres Rd

Woodys Ln

Lillie Rd.

Woodland St

Lillie Rd

Stilwell Rd

Killian Rd.

Killian Farm Rd

Pine Valley Dr

Lucia

Underwood Dr.

Bell St.

Gray Fox Ln.

Silver Fox Ct.

Red Fox Ct.

Old Wagon Rd

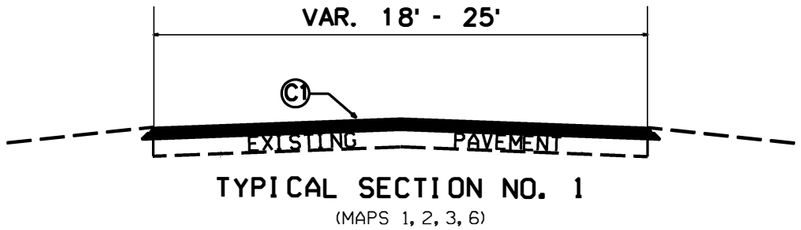
1949 1785 1786 1994 1995 1980 1999 3311 3310 1396 1909 1981 1947 1949 1982 1956 1948 1962 1949 1983 1993 1909 1969 1968 3323 1984 1908 1905 1970 1971 1914 1987 1915 1989 1905 1986 1990

.78 .50 .05 .47 .37 .60

N

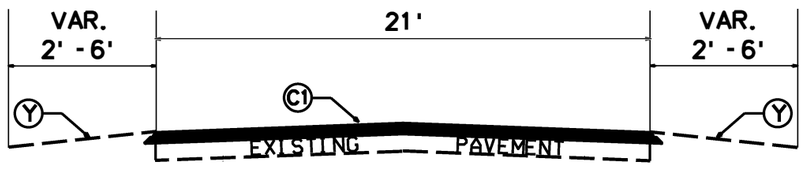
PROJ. REFERENCE NO.		SHEET NO.	TOTAL SHEETS
STATE PROJ. NO.	F.A. PROJ. NO.		DESCRIPTION
2024CPT.12.04.20361			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
Y	SHOULDER RECONSTRUCTION
Z	INCIDENTAL MILLING AS DIRECTED BY THE ENGINEER.



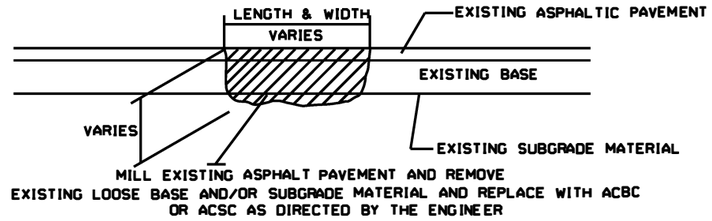
TYPICAL SECTION NO. 1

(MAPS 1, 2, 3, 6)

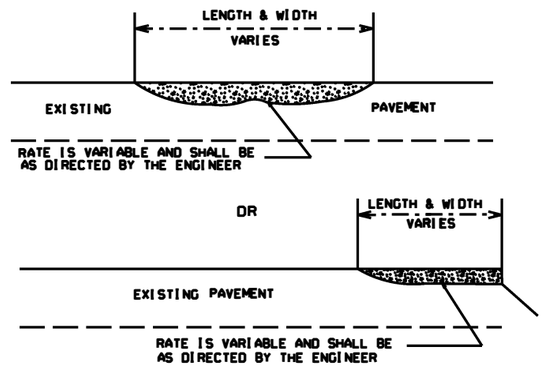


TYPICAL SECTION NO. 2

(MAPS 4, 5)



PATCHING EXISTING PAVEMENT DETAIL



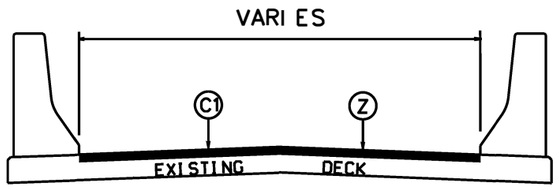
ASPHALT CONC. SURFACE COURSE, TYPE S9.5C (LEVELING COURSE) DETAIL

NOTES:

1. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
2. MILL BRIDGE APPROACHES & RXR APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.
3. MILL INTO GUTTER LINE WHERE SHOWN AND AS DIRECTED.
4. MAINTAIN PROPER CROWN FOR DRAINAGE OF THE ROAD SURFACE.
5. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
6. BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

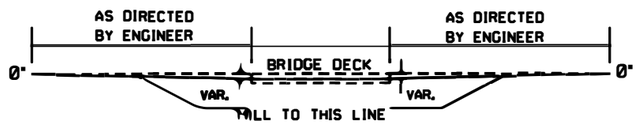
PROJ. REFERENCE NO.		SHEET NO.	TOTAL SHEETS
STATE PROJ. NO.	F. A. PROJ. NO.		DESCRIPTION
2024CPT.12.04.20361			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
Y	SHOULDER RECONSTRUCTION
Z	INCIDENTAL MILLING AS DIRECTED BY THE ENGINEER.

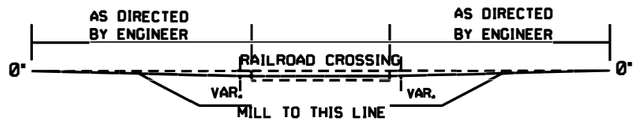


ASPHALT BRIDGE SECTION
Use for all asphalt bridges

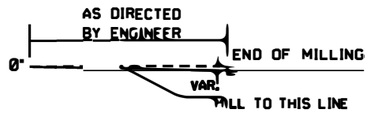
INCIDENTAL MILLING DETAILS



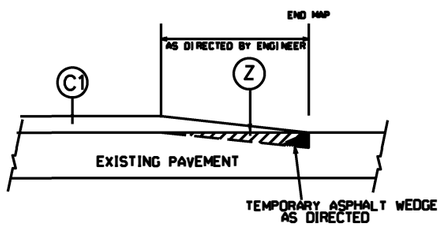
BRIDGE PROFILE



RAILROAD PROFILE



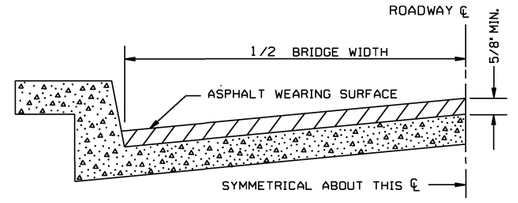
END OF MILLING PROFILE



TIE-IN MILLING DETAIL

DETAIL E

BRIDGE HALF TYPICAL SECTION



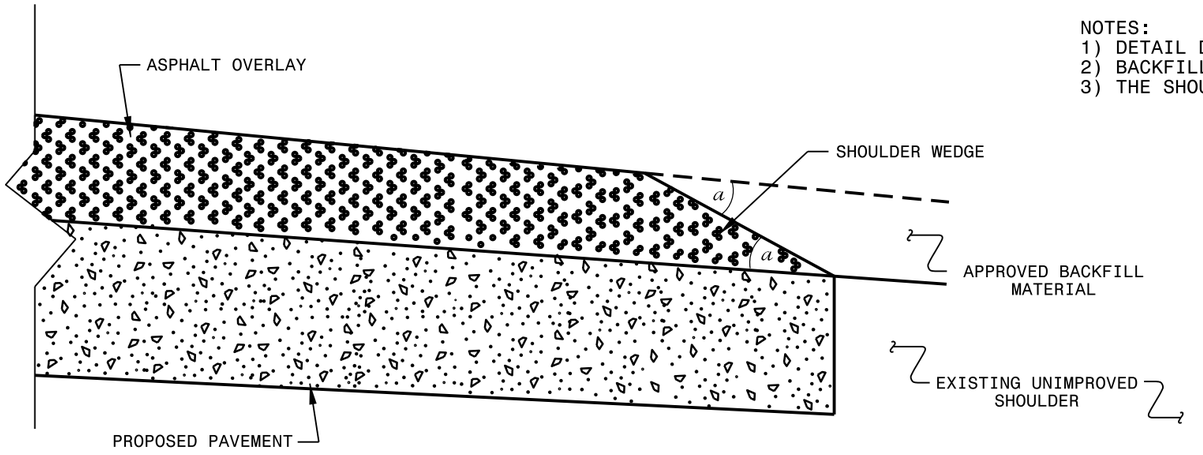
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

NOTES:

1. PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
2. MILL BRIDGE APPROACHES & RXR APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.
3. MILL INTO GUTTER LINE WHERE SHOWN AND AS DIRECTED.
4. MAINTAIN PROPER CROWN FOR DRAINAGE OF THE ROAD SURFACE.
5. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
6. BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

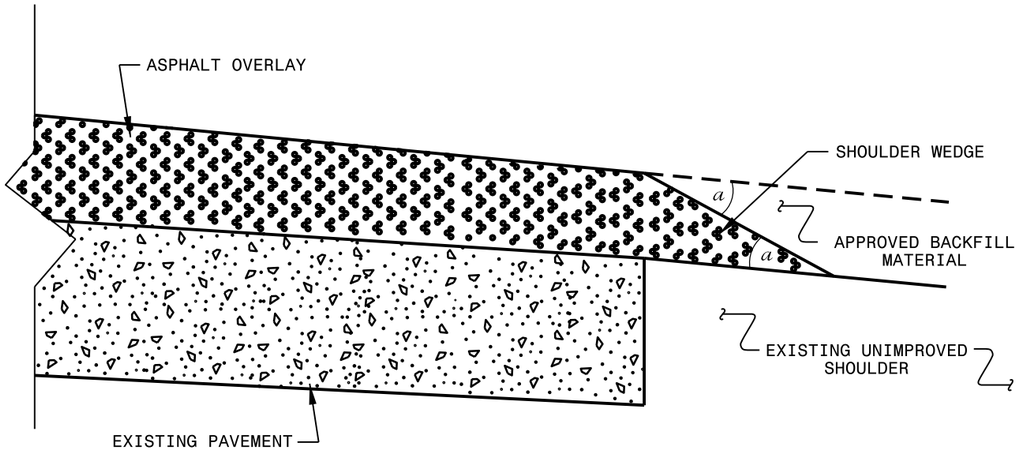
PROJECT REFERENCE NO.	SHEET NO.
2024CPT.12.04.20361	6



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.

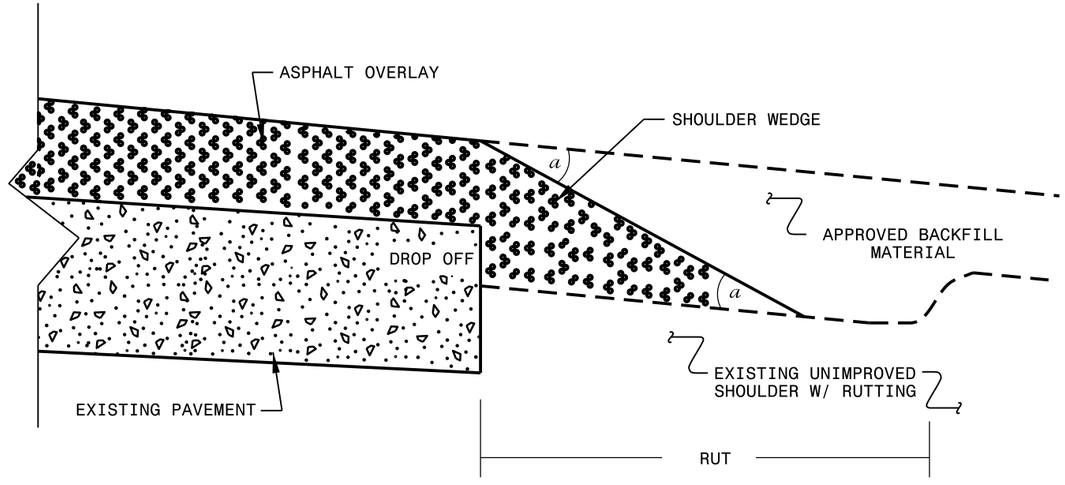
SHOULDER WEDGE DETAIL

(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.: $:usr/details/stand/shoulderwedgedetail.dgn

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.12.04.20361		

SUMMARY OF QUANTITIES

										0255000000-E	1220000000-E	1245000000-E	1330000000-E	1523000000-E	1524000000-E	1575000000-E	1704000000-E
PROJECT NO	**COUNTY**	**MAP NO**	**ROUTE**	**DESCRIPTION**	**TYP NO**	**LANES**	**LANE TYPE**	**LENGTH**	**WIDTH**	**AGGREGATE SHOULDER BORROW**	**INCIDENTAL STONE BASE**	**SHOULDER RECONSTRUCTION**	**INCIDENTAL MILLING**	**SURFACE COURSE, S9.5C**	**LEVELING COURSE, S9.5C**	**ASPHALT BINDER FOR PLANT MIX**	**PATCHING EXISTING PAVEMENT**
								MI	**FT**	**TON**	**TONS**	**SMI**	**SY**	**TONS**	**TONS**	**TONS**	**TONS**
2024CPT.12.04.20361	Gaston	1	SR-1620 / ADERHOLDT RD	FROM SR-1617 GASTON-WEBBS CHAPEL RD TO SR-1666 MAUNEY RD	1	2	2WU	2.81	18		169		666	2,761	499	221	607
2024CPT.12.04.20361	Gaston	2	SR-1621 / RUDISILL RD	FROM SR-1620 ADERHOLDT RD TO SR-1609 LONG SHOALS RD	1	2	2WU	1.49	20		89		120	1,625	164	124	390
2024CPT.12.04.20361	Gaston	3	SR-1622 / HEPHZIBAH CHURCH RD	FROM SR-1625 WILL KISER RD TO NC-279 DALLAS-CHERRYVILLE HWY	1	2	2WU	3.8	VAR. 19-20		144		645	4,043	401	303	849
2024CPT.12.04.20361	Gaston	4	SR-1630 / DICK BEAM RD	FROM NC-150 LINCOLNTON HWY TO NC-279 E. MAIN ST	2	2	2WU	0.9	21	315	50	1.80	747	1,031	83	80	299
2024CPT.12.04.20361	Gaston	5	SR-1631 / WALLABY RD	FROM SR-1630 DICK BEAM RD TO NC-279 DALLAS-CHERRYVILLE HWY	2	2	2WU	0.35	21	123	10	0.70	140	401	73	38	211
2024CPT.12.04.20361	Gaston	6	SR-1909 / KILLIAN RD	FROM NC-16BUS OLD NC-16 TO LINCOLN CL	1	2	2WU	2.8	VAR. 18-25		75		1,867	2,979	281	231	799
TOTAL FOR PROJ NO. 2024CPT.12.04.20361								**12.15**		**438**	**537**	**2.50**	**4,185**	**12,840**	**1,501**	**997**	**3,155**
GRAND TOTAL								**12.15**		**438**	**537**	**2.50**	**4,185**	**12,840**	**1,501**	**997**	**3,155**

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.12.04.20361		

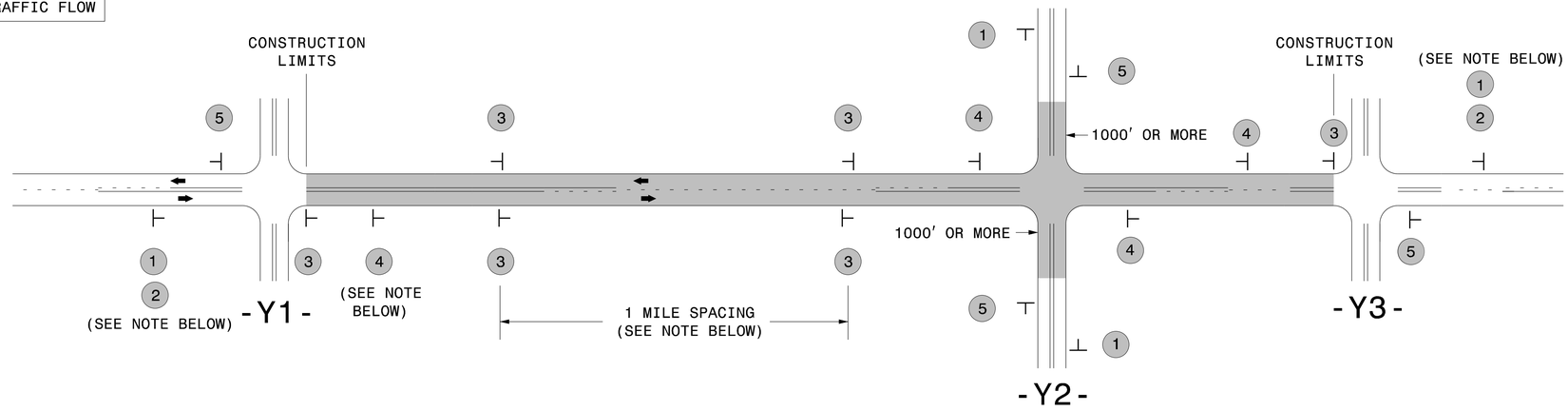
THERMOPLASTIC AND PAINT QUANTITIES

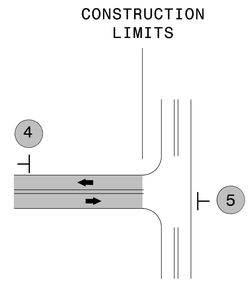
										4413000000-E	4457000000-N	4704000000-E	4709000000-E	4720000000-E	4810000000-E	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADV/GEN WARNING SIGNS	TEMPORARY TRAFFIC CONTROL	16" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	THERMO MSG RXR 90 M	4" WHITE PAINT	4" YELLOW PAINT
								MI	FT	SF	LS	LF	LF	EA	LF	LF
2024CPT.12.04.20361	Gaston	1	SR-1620 / ADERHOLDT RD	FROM SR-1617 GASTON-WEBBS CHAPEL RD TO SR-1666 MAUNEY RD	1	2	2WU	2.81	18	196					60,471	60,471
2024CPT.12.04.20361	Gaston	2	SR-1621 / RUDISILL RD	FROM SR-1620 ADERHOLDT RD TO SR-1609 LONG SHOALS RD	1	2	2WU	1.49	20	116					32,065	32,065
2024CPT.12.04.20361	Gaston	3	SR-1622 / HEPHZIBAH CHURCH RD	FROM SR-1625 WILL KISER RD TO NC-279 DALLAS-CHERRYVILLE HWY	1	2	2WU	3.8	VAR. 19-20	228	*				81,776	79,155
2024CPT.12.04.20361	Gaston	4	SR-1630 / DICK BEAM RD	FROM NC-150 LINCOLNTON HWY TO NC-279 E. MAIN ST	2	2	2WU	0.9	21	180		50	47	2	19,368	19,368
2024CPT.12.04.20361	Gaston	5	SR-1631 / WALLABY RD	FROM SR-1630 DICK BEAM RD TO NC-279 DALLAS-CHERRYVILLE HWY	2	2	2WU	0.35	21	84					7,424	7,424
2024CPT.12.04.20361	Gaston	6	SR-1909 / KILLIAN RD	FROM NC-16BUS OLD NC-16 TO LINCOLN CL	1	2	2WU	2.8	VAR. 18-25	196		100	70	4	59,136	59,136
TOTAL FOR PROJ NO. 2024CPT.12.04.20361								**12.15**		**1,000**	**1**	**150**	**117**	**6**	**260,240**	**257,619**
															517,859	
GRAND TOTAL								**12.15**		**1,000**	**1**	**150**	**117**	**6**	**260,240**	**257,619**
															517,859	

PROJ. REFERENCE NO.	SHEET NO.
2024CPT.12.04.20361	9

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″
2. NEXT XX MILES — W7-3aP, 24″ X 18″

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 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
SATMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedols