

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.11.03.10031	1	2
2020CPT.11.03.20031		

**SUMMARY OF QUANTITIES**

PROJECT NO.	COUNTY	MAP NO.	ROUTE	ROUTE NAME	FROM DESCRIPTION	TO DESCRIPTION	MILEPOST FROM	MILEPOST TO	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1330000000-E	1519000000-E	1520000000-E	1575000000-E	1704000000-E	2830000000-N	2845000000-N	6084000000-E	
														BORROW	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADI. OF MANHOLES	ADI. OF METER OR VALVE BOX	SEED & MULCHING	
													MI	FT	CY	TONS	SMI	SY	TONS	TONS	TONS	TONS	EA	EA	AC
2020CPT.11.03.10031	Allegheny	1	NC 18	NC 18	SR 1173	Sparta StreetScape Project Limits	14.38	16.30	1	2	2WU	1.92	26	384	38	3.84	500	2,658		178	266	6	3	1.40	
2020CPT.11.03.10031	Allegheny	2A	NC 93	NC 93	US 221	SR 1344	0.00	1.91	1	2	2WU	1.91	18	382	38	3.82	100	1,830		123	183			1.39	
2020CPT.11.03.10031	Allegheny	2B	NC 93	NC 93	SR 1344	SR 1338	1.91	3.74	1	2	2WU	1.83	18	366	37	3.66	500	1,754		117	175			1.33	
<b>TOTAL FOR PROJECT NO. 2020CPT.11.03.10031</b>													<b>5.66</b>		<b>1,132</b>	<b>113</b>	<b>11.32</b>	<b>1100</b>	<b>6,242</b>	<b>()</b>	<b>418</b>	<b>624</b>	<b>6</b>	<b>3</b>	<b>4.12</b>

2020CPT.11.03.20031	Allegheny	3	SR 1338	Mount Carmel Rd	NC 93	SR 1317	0.00	0.57	1	2	2WU	0.57	17		10			513	156	45					
2020CPT.11.03.20031	Allegheny	4	SR 1317	Mt. Carmel Rd	SR 1358	SR 1338	5.06	5.19	1	2	2WU	0.13	18		10		100	125							
2020CPT.11.03.20031	Allegheny	5	SR 1358	Turkey Knob Rd	SR 1317	VA State Line	0.00	1.20	1	2	2WU	1.20	18		10			1,150	348	100					
2020CPT.11.03.20031	Allegheny	6	SR 1143	Elk Knob Rd	NC 18	Blue Ridge Parkway	0.00	3.21	1	2	2WU	3.21	19		10		100	3,247	984	283					
2020CPT.11.03.20031	Allegheny	7	SR 1416	Cross Creek Rd	NC 18	SR 1417	0.00	0.54	1	2	2WU	0.54	18		10		100	517	157	45					
2020CPT.11.03.20031	Allegheny	8	SR 1439	Jarvis Rd	Cul-de-Sac	NC 18	0.00	1.35	1	2	2WU	1.35	18		10		100	1,294	392	113					
2020CPT.11.03.20031	Allegheny	9	SR 1498	Connector Rd	NC 18	SR 1439	0.00	0.08	1	2	2WU	0.08	18		10		100	77	23	7					
2020CPT.11.03.20031	Allegheny	10A	SR 1444	Glade Valley Rd	SR 1486	SR 1464	4.33	5.40	1	2	2WU	1.07	21		10		125	1,196		80					
2020CPT.11.03.20031	Allegheny	10B	SR 1444	Glade Valley Rd	SR 1464	SR 1454	5.40	6.28	1	2	2WU	0.88	19		10		125	890		60					
2020CPT.11.03.20031	Allegheny	10C	SR 1444	Glade Valley Rd	SR 1460	SR 1486	2.27	4.33	1	2	2WU	2.06	19		0										
2020CPT.11.03.20031	Allegheny	11	SR 1328	Longbottom Rd	NC 113	END PAVEMENT	0.00	0.78	1	2	2WU	0.78	18		10		100	747							
2020CPT.11.03.20031	Allegheny	12	SR 1182	Moxley Rd	SR 1136	EOM	0.00	0.28	1	2	2WU	0.28	18		10		100	268							
2020CPT.11.03.20031	Allegheny	13	SR 1203	Pineview Crt	SR 1172	Cul-de-Sac	0.00	0.04	1	2	2WU	0.04	18		10			38	12	3					
2020CPT.11.03.20031	Allegheny	14	SR 1139	Fender Mountain Rd	END PAVEMENT	SR 1135	1.67	2.24	1	2	2WU	0.57	16		10		100	486	147	42					
<b>TOTAL FOR PROJECT NO. 2020CPT.11.03.20031</b>													<b>12.76</b>		<b>0</b>	<b>130</b>	<b>0.00</b>	<b>1,050</b>	<b>10,549</b>	<b>2,219</b>	<b>779</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>

<b>GRAND TOTAL</b>													<b>18.42</b>		<b>1,132</b>	<b>243</b>	<b>11.32</b>	<b>2,150</b>	<b>16,791</b>	<b>2,219</b>	<b>1,197</b>	<b>624</b>	<b>6</b>	<b>3</b>	<b>4.12</b>
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For mileposting information, please visit [ncdot.maps.arcgis.com](http://ncdot.maps.arcgis.com), then select NCDOT Distance Hatches & Structures Map

Map 10C - Work consists of Snowplowable Marker Installation Only

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.11.03.10031	2	2
2020CPT.11.03.20031		

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	ROUTE NAME	FROM DESCRIPTION	TO DESCRIPTION	MILEPOST FROM	MILEPOST TO	TYP NO	LANES	LANE TYPE	LENGTH		WIDTH	441300000-E	445700000-N	481000000-E		482000000-E	483500000-E	484500000-N		490500000-N	
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL		4" WHITE PAINT	4" YELLOW PAINT	8" YELLOW PAINT	24" WHITE PAINT	PAINT LT ARROW	PAINT STR & RT ARROW	SNOW PLOWABLE MARKERS			
												SF	LS		LF	LF	LF	LF	EA	EA	EA			
2020CPT.11.03.10031	Allegheny	1	NC 18	NC 18	SR 1173	Sparta StreetScape Project Limits	14.38	16.30	1	2	2WU	1.92	26		208	1	40,550	40,550	500	160	12	8	127	
2020CPT.11.03.10031	Allegheny	2A	NC 93	NC 93	US 221	SR 1344	0.00	1.91	1	2	2WU	1.91	18		208		40,339	40,339						126
2020CPT.11.03.10031	Allegheny	2B	NC 93	NC 93	SR 1344	SR 1338	1.91	3.74	1	2	2WU	1.83	18		208		38,650	38,650						121
<b>TOTAL FOR PROJECT NO. 2020CPT.11.03.10031</b>												<b>5.66</b>			<b>624</b>	<b>1</b>	<b>119,539</b>	<b>119,539</b>	<b>500</b>	<b>160</b>	<b>12</b>	<b>8</b>	<b>374</b>	
														<b>239,078</b>				<b>20</b>						

2020CPT.11.03.20031	Allegheny	3	SR 1338	Mount Carmel Rd	NC 93	SR 1317	0.00	0.57	1	2	2WU	0.57	17											
2020CPT.11.03.20031	Allegheny	4	SR 1317	Mt. Carmel Rd	SR 1358	SR 1338	5.06	5.19	1	2	2WU	0.13	18											
2020CPT.11.03.20031	Allegheny	5	SR 1358	Turkey Knob Rd	SR 1317	VA State Line	0.00	1.20	1	2	2WU	1.20	18		200									
2020CPT.11.03.20031	Allegheny	6	SR 1143	Elk Knob Rd	NC 18	Blue Ridge Parkway	0.00	3.21	1	2	2WU	3.21	19		400									
2020CPT.11.03.20031	Allegheny	7	SR 1416	Cross Creek Rd	NC 18	SR 1417	0.00	0.54	1	2	2WU	0.54	18											
2020CPT.11.03.20031	Allegheny	8	SR 1439	Jarvis Rd	Cul-de-Sac	NC 18	0.00	1.35	1	2	2WU	1.35	18		200									
2020CPT.11.03.20031	Allegheny	9	SR 1498	Connector Rd	NC 18	SR 1439	0.00	0.08	1	2	2WU	0.08	18											
2020CPT.11.03.20031	Allegheny	10A	SR 1444	Glade Valley Rd	SR 1486	SR 1464	4.33	5.40	1	2	2WU	1.07	21											71
2020CPT.11.03.20031	Allegheny	10B	SR 1444	Glade Valley Rd	SR 1464	SR 1454	5.40	6.28	1	2	2WU	0.88	19											58
2020CPT.11.03.20031	Allegheny	10C	SR 1444	Glade Valley Rd	SR 1460	SR 1486	2.27	4.33	1	2	2WU	2.06	19		400									136
2020CPT.11.03.20031	Allegheny	11	SR 1328	Longbottom Rd	NC 113	END PAVEMENT	0.00	0.78	1	2	2WU	0.78	18											
2020CPT.11.03.20031	Allegheny	12	SR 1182	Moxley Rd	SR 1136	EOM	0.00	0.28	1	2	2WU	0.28	18											
2020CPT.11.03.20031	Allegheny	13	SR 1203	Pineview Crt	SR 1172	Cul-de-Sac	0.00	0.04	1	2	2WU	0.04	18											
2020CPT.11.03.20031	Allegheny	14	SR 1139	Fender Mountain Rd	END PAVEMENT	SR 1135	1.67	2.24	1	2	2WU	0.57	16											
<b>TOTAL FOR PROJECT NO. 2020CPT.11.03.20031</b>												<b>12.76</b>			<b>1,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>265</b>

<b>GRAND TOTAL</b>												<b>18.42</b>			<b>1,824</b>	<b>1</b>	<b>119,539</b>	<b>119,539</b>	<b>500</b>	<b>160</b>	<b>12</b>	<b>8</b>	<b>638</b>
														<b>239,078</b>				<b>20</b>					

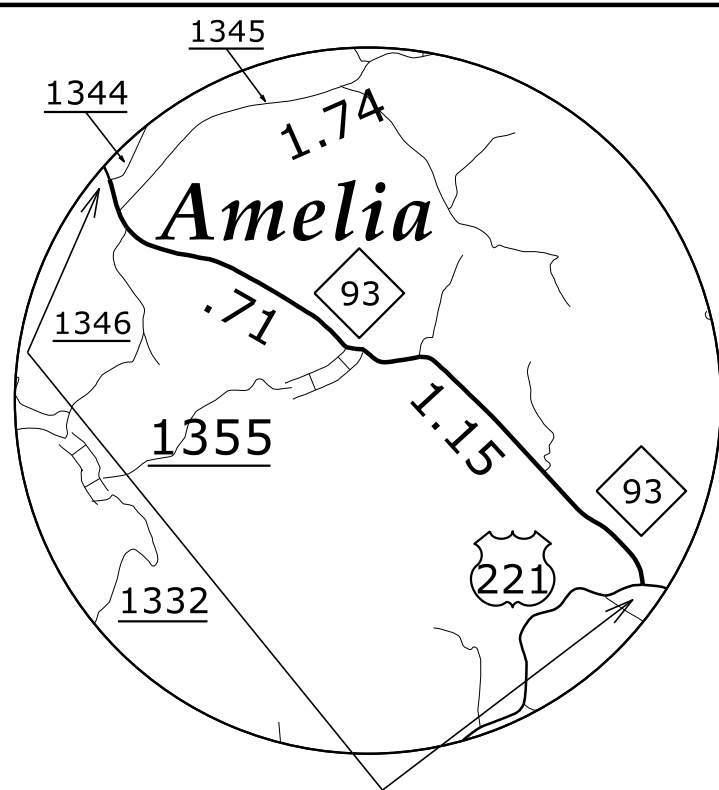
For mileposting information, please visit [ncdot.maps.arcgis.com](http://ncdot.maps.arcgis.com), then select NCDOT Distance Hatches & Structures Map

Map 10C - Work consists of Snowplowable Marker Installation Only



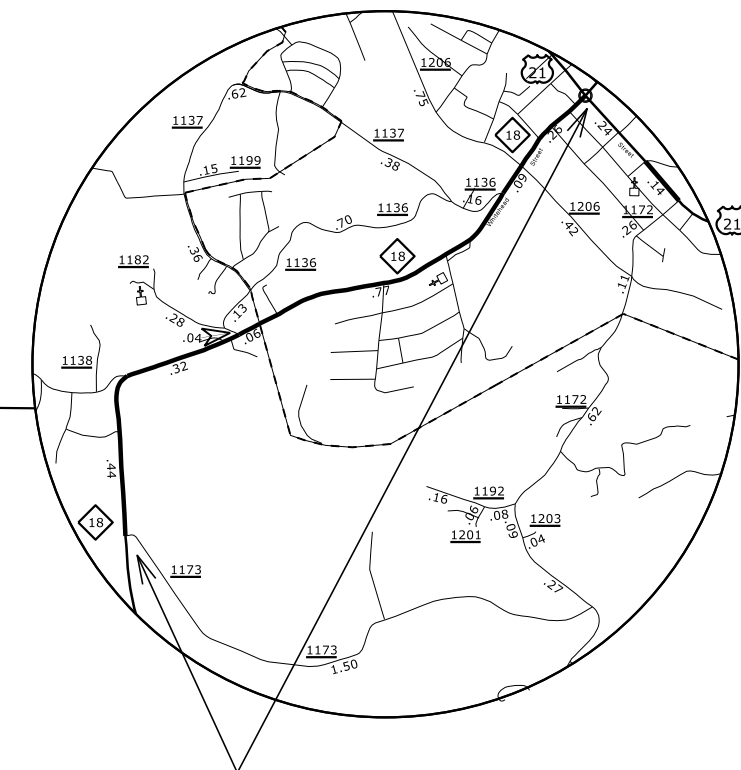
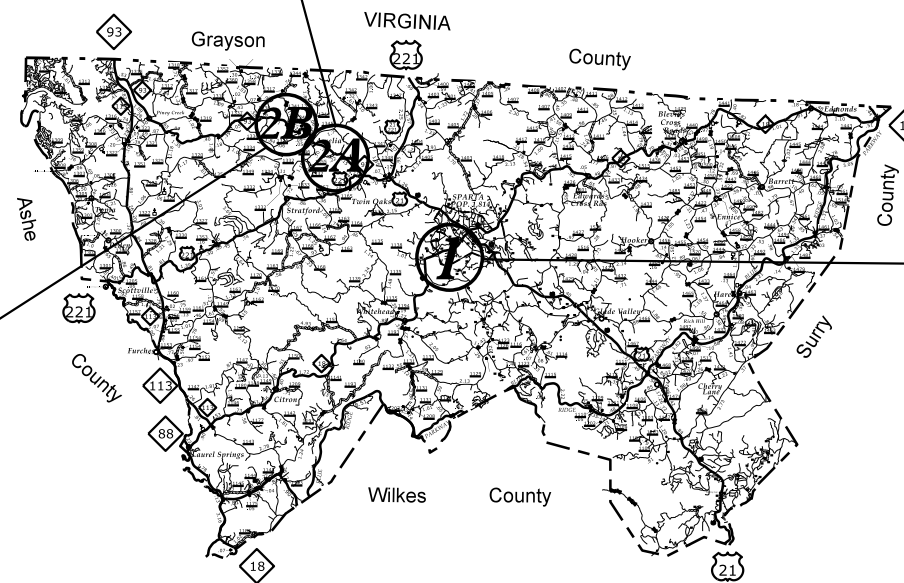
# ALLEGHANY COUNTY

2020 RESURFACING  
MAP # 1 THROUGH # 2B



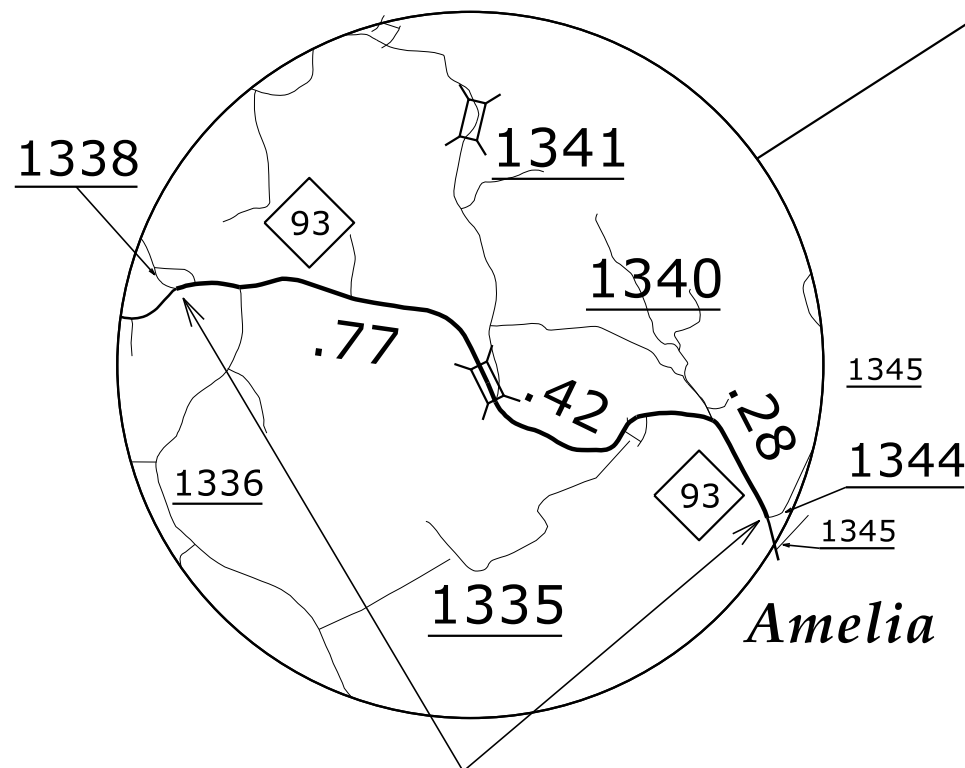
MAP #2A

\* NC 93 - (1.91 mi.)  
(FROM US 221 TO SR 1344)



MAP #1

\* NC 18 - (1.92 mi.)  
(FROM SR 1173 TO SPARTA  
STREETScape LIMITS)



MAP #2B

\* NC 93 - (1.83 mi.)  
(FROM SR 1344 TO SR 1338)

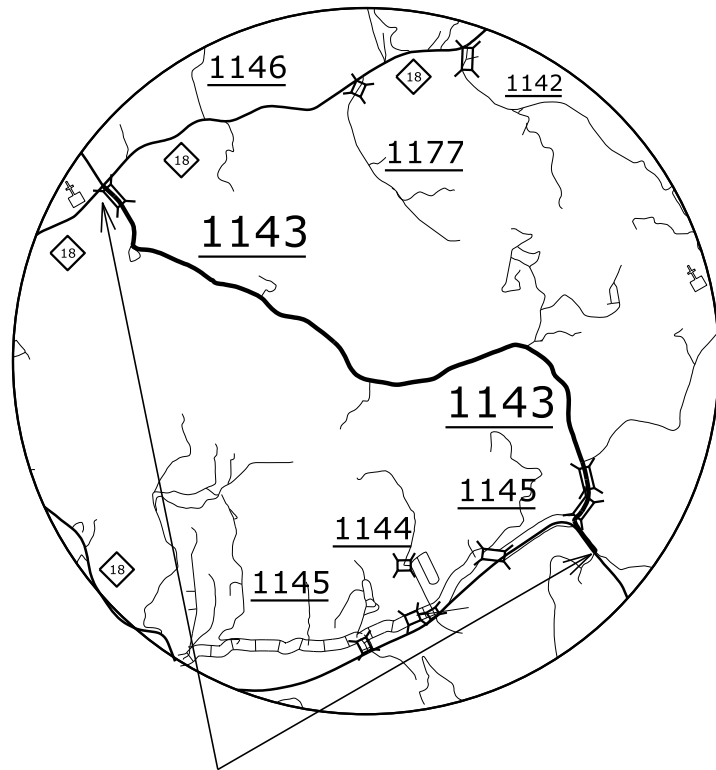
8/17/99

SYSTEMS  
DESIGN  
INC.



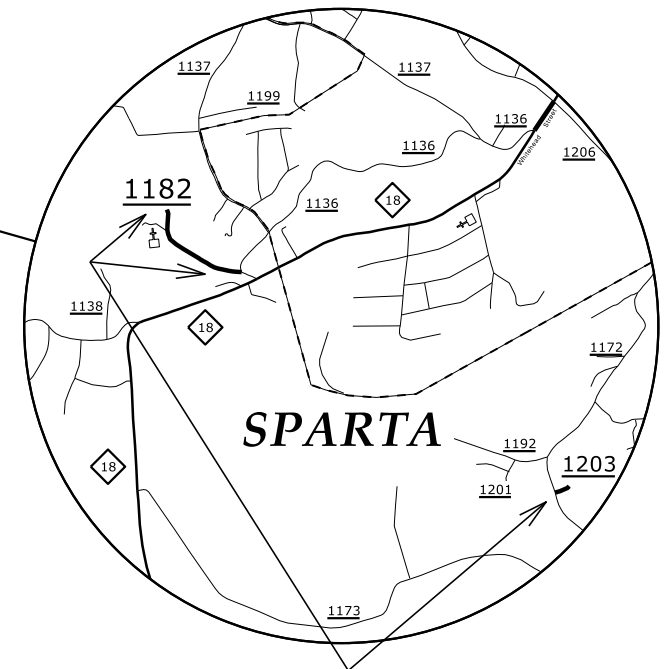
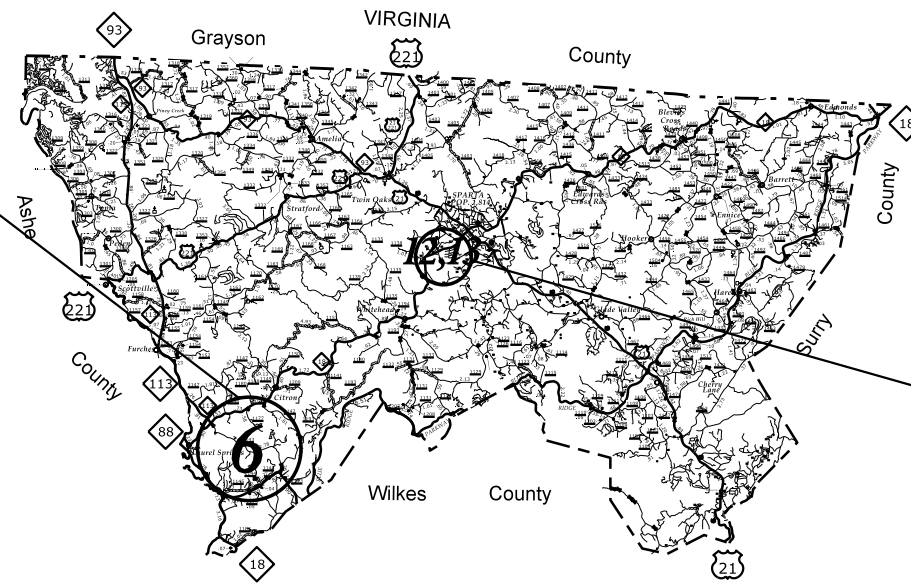
# ALLEGHANY COUNTY

2020 RESURFACING  
MAP # 6, #12, AND MAP #13



MAP #6

★ **SR 1143 ELK KNOB RD. - (3.21 mi.)**  
**(FROM NC 18 TO BLUE RIDGE PARKWAY)**



MAP #12 & MAP #13

★ **SR 1182 MOXLEY RD - (0.28 mi.)**  
**(FROM SR 1136 TO END OF MAINT.)**  
★ **SR 1203 PINEVIEW COURT - (0.04 mi.)**  
**(FROM SR 1172 TO CUL-DE-SAC)**

8/17/99

SYSTEMS DIVISION  
CITY OF SPARTA  
PLANNING DEPARTMENT

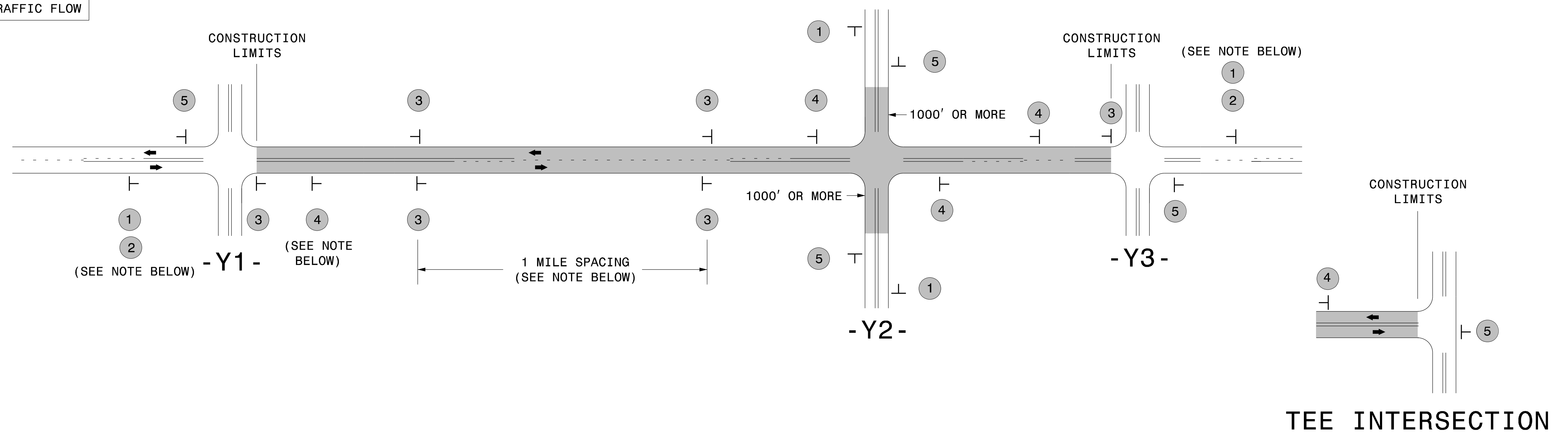


# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

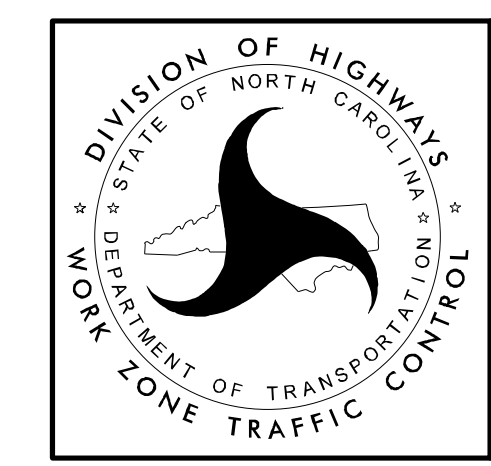
## -Y- LINE SIGNING

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><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol> <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**

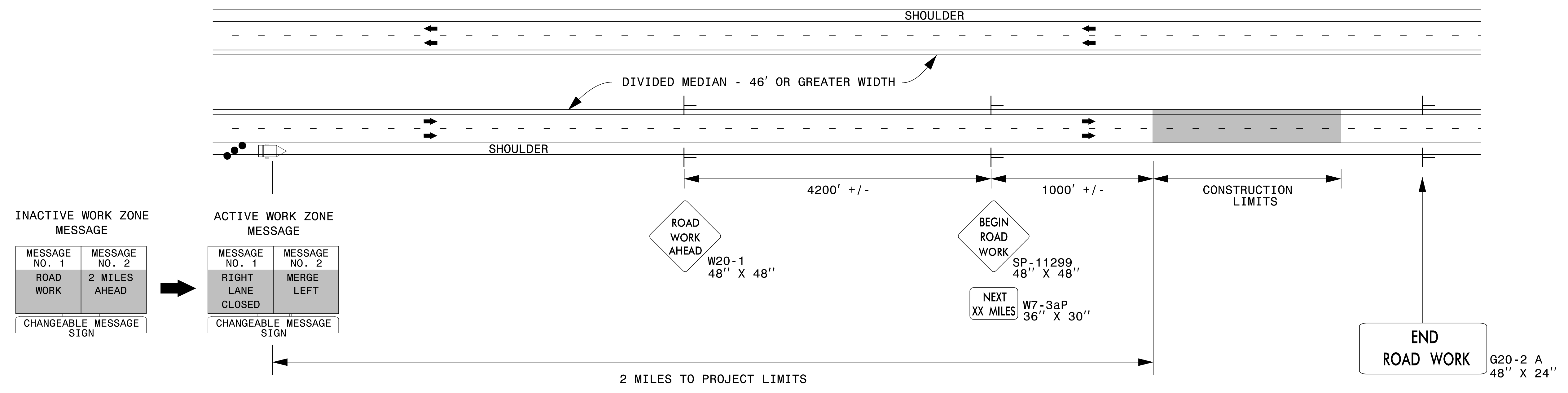
FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



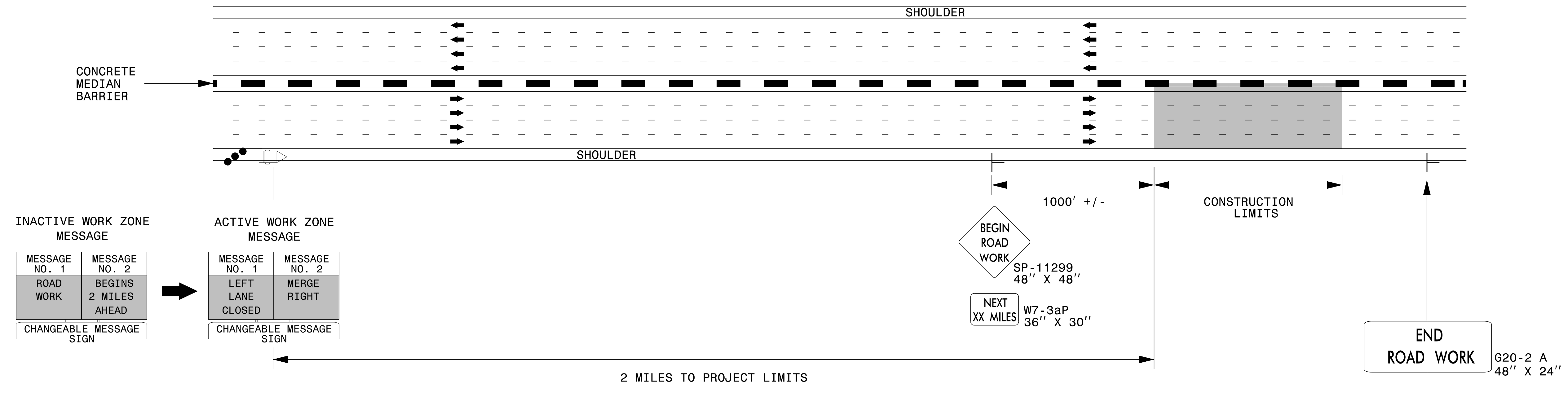
**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**



## DIVIDED MEDIANS WITH WIDTHS 46' OR GREATER



## DIVIDED MEDIANS WITH WIDTHS LESS THAN 46' OR WITH PERMANENT MEDIAN BARRIER

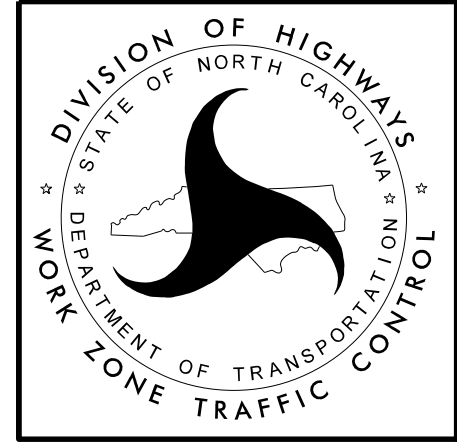


**NOTES:**

- 1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6' AS MEASURED FROM THE EDGE OF PAVEMENT.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) FOR MEDIAN WIDTHS LESS THAN 46' (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
- 4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 5) INSTALL "ROAD WORK AHEAD" (W20-1) ALONG ENTRANCE RAMP 500' PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMP WITHIN THE WORK ZONE.
- 6) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER AND WITH DIVIDED MEDIANS OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

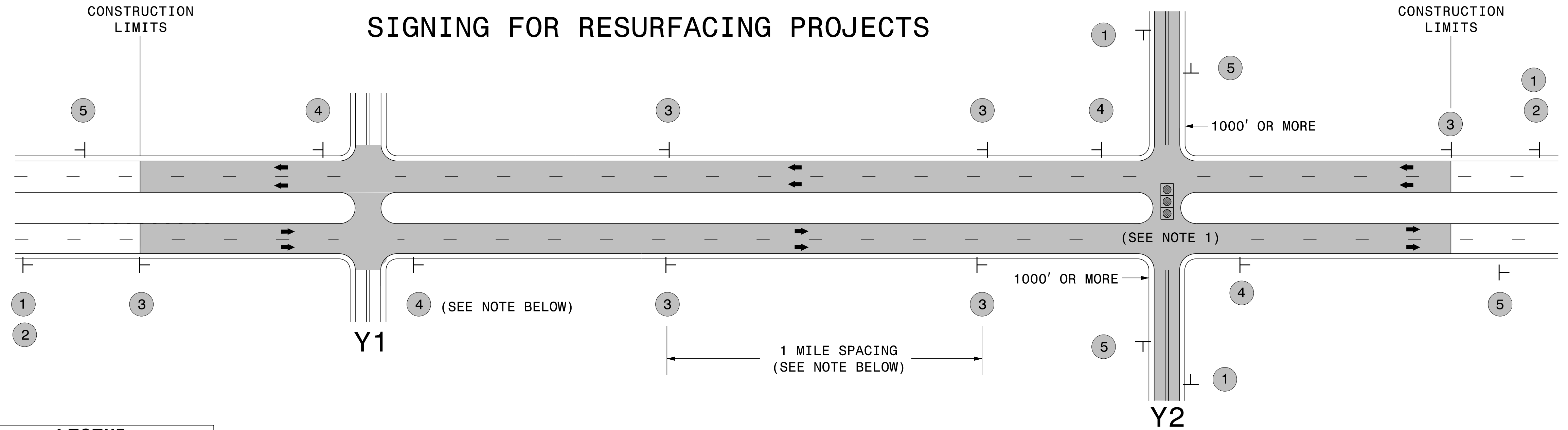
**LEGEND**

- CHANGEABLE MESSAGE SIGN (CMS)
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW
- TRAFFIC DRUM



**RESURFACING ADVANCE  
WARNING SIGNS FOR  
HIGH SPEED FACILITIES  
≥ 60 MPH**

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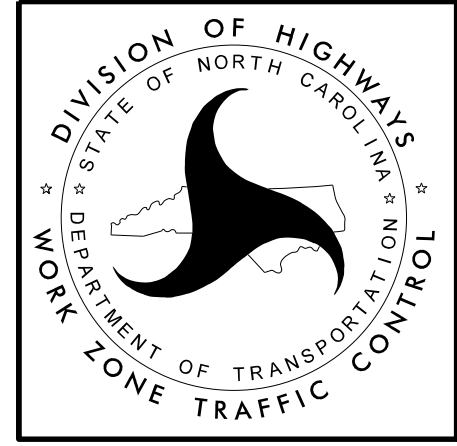
**LEGEND**  
 ┆ STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW

**MAINLINE (-L-) SIGNING**

**-Y- LINE SIGNING**

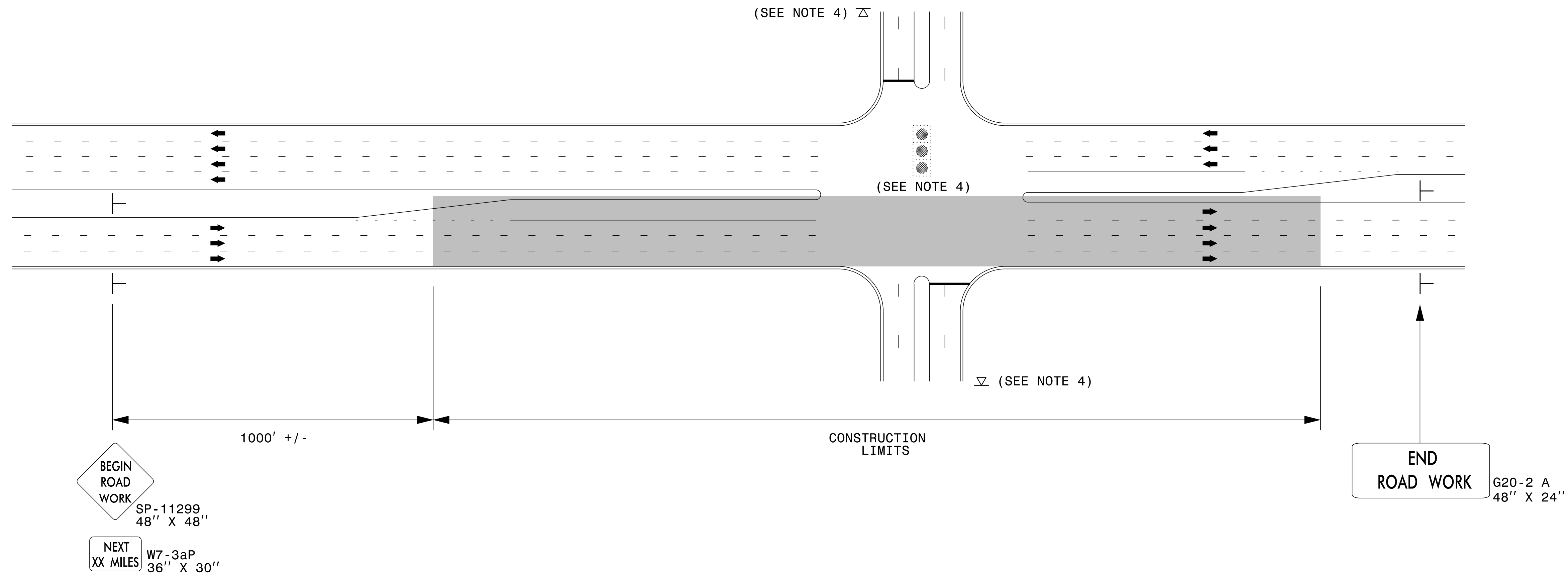
SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p><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>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;">   <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;">   <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</li> </ol>
		<p>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.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

3/23/2015  
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 User:rmgarrrett



**RESURFACING  
 ADVANCE WARNING SIGNS  
 FOR RURAL AND SUBURBAN  
 MULTI-LANE ROADWAYS  
 W/ SHOULDER SECTIONS**

## URBAN / SUBURBAN WORKZONES

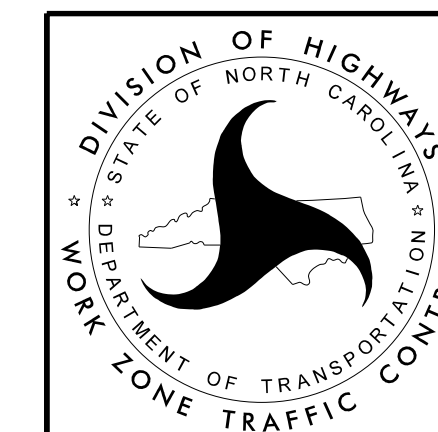


### NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

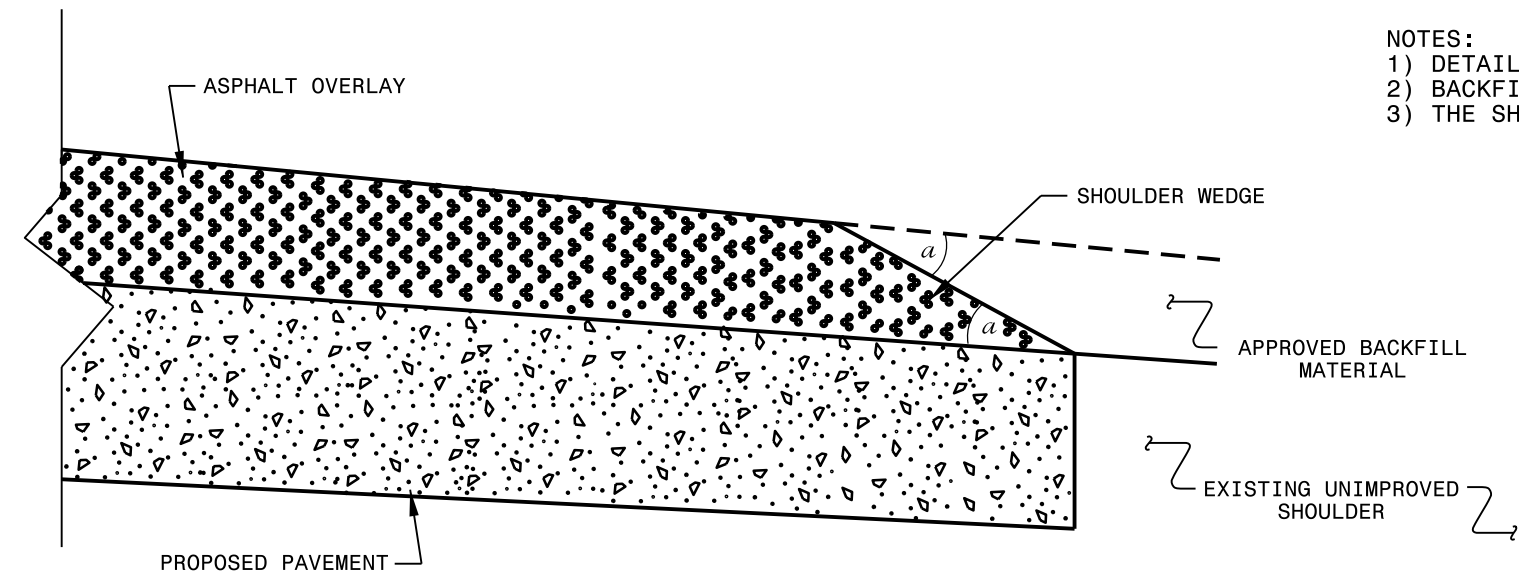
### LEGEND

- ├ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW

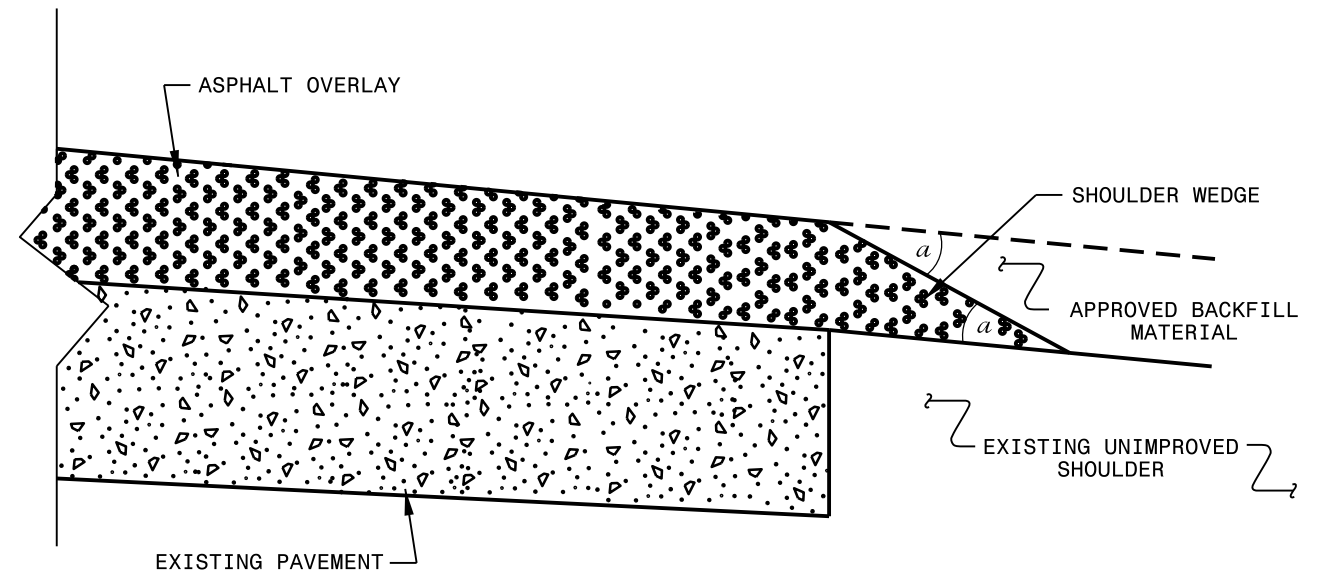


**RESURFACING ADVANCE  
WARNING SIGNS FOR  
URBAN / SUBURBAN  
FACILITIES**

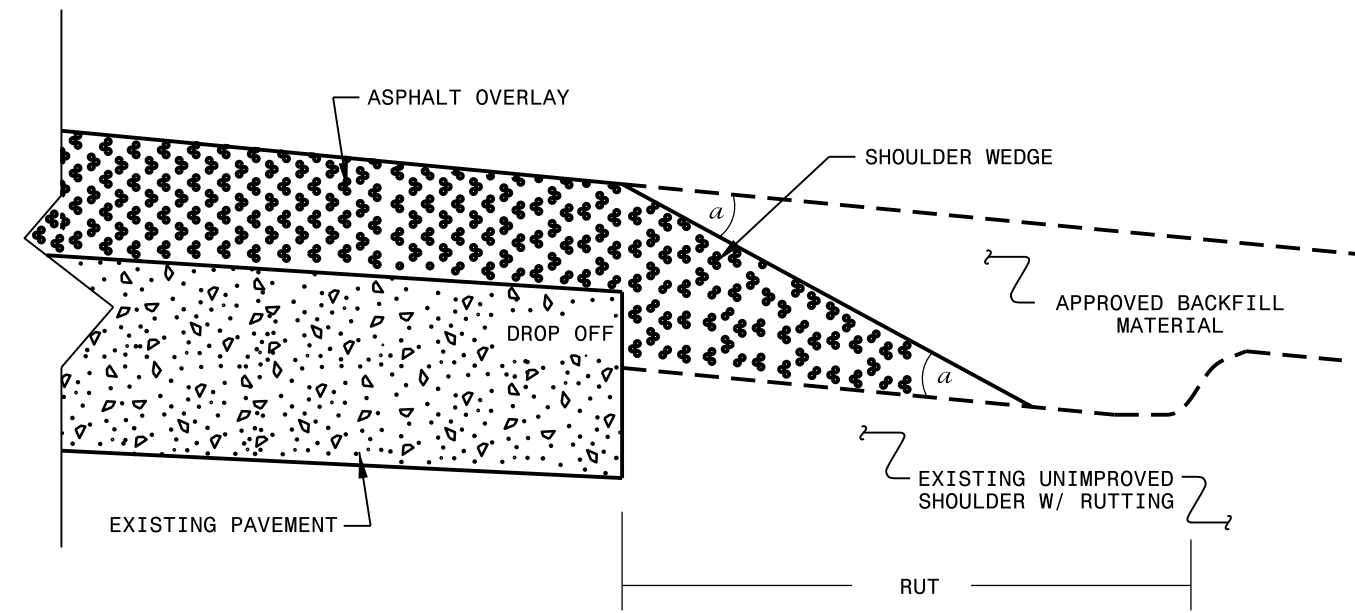
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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.: susr/details/stand/shoulderwedgedetail.dgn

SYSTEMS DESIGN  
 USER NAME