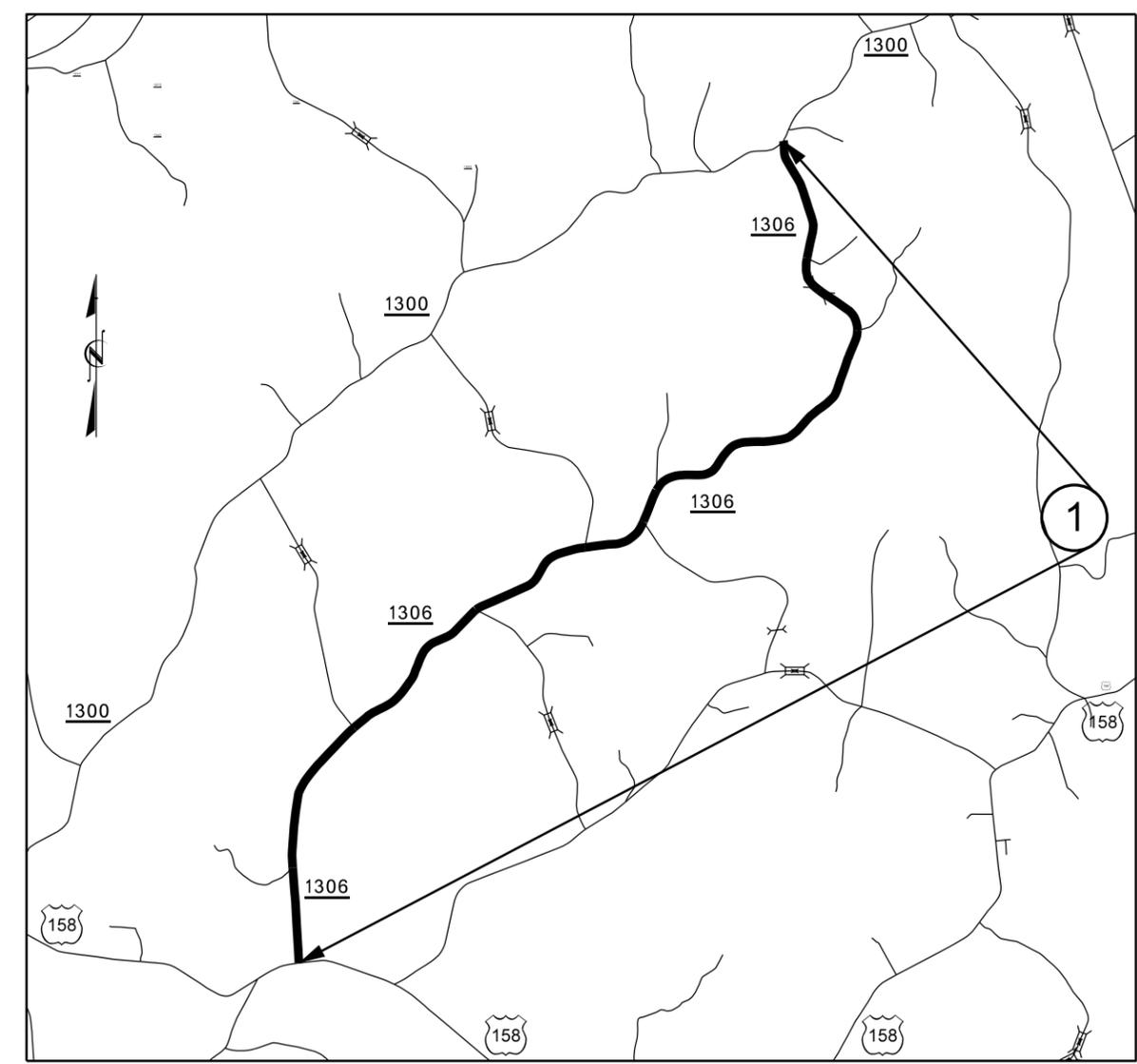
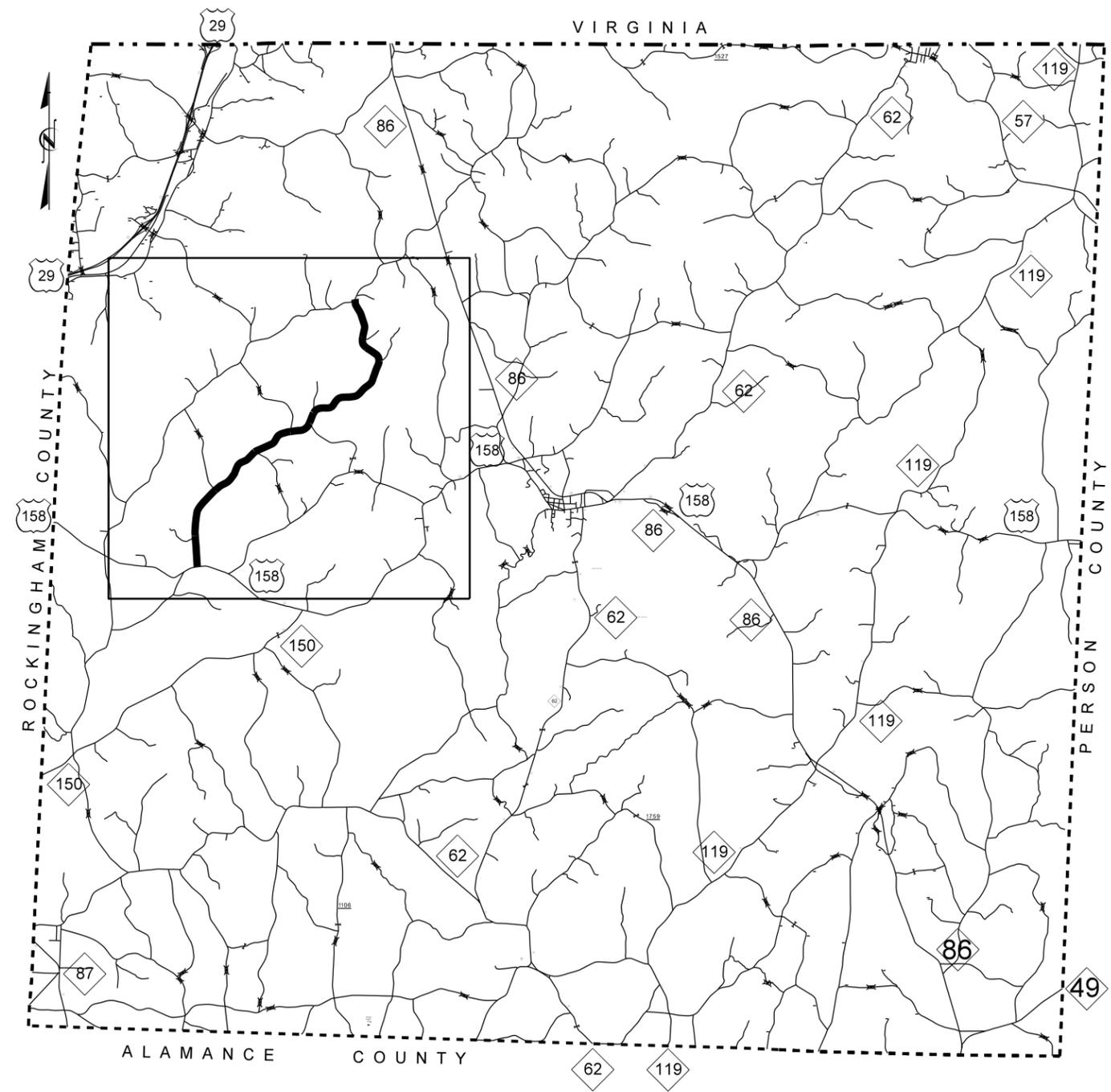


| STATE          | PROJECT NO.  | SHEET NO. | TOTAL SHEETS |
|----------------|--------------|-----------|--------------|
| N.C.           | 7CR.20171.40 | 1         | 5            |
| F.A. PROJ. NO. |              |           |              |

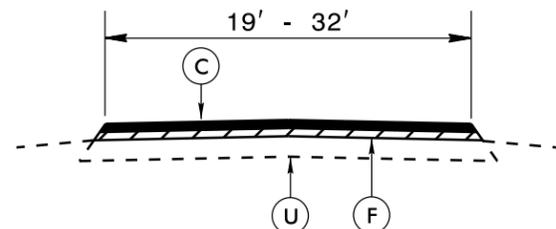
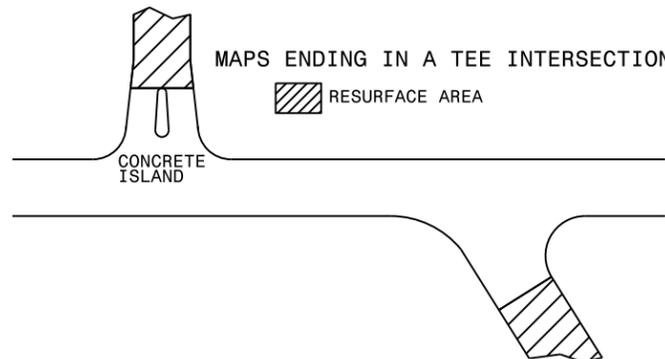
# 2016 CASWELL COUNTY



I3-MAY-2015 09:15  
 S:\DDC\Resur\Locing\_Proj\eggs\2016 PO Contracts\Caswell\7CR.20171.40\CADD\vicinitj1.dgn  
 ctbuskins AT 07/20/17 13:74

| STATE | PROJECT NO.  | SHEET NO. | TOTAL SHEETS |
|-------|--------------|-----------|--------------|
| N.C.  | 7CR.20171.40 | 2         | 5            |

PAVING DETAIL 1  
MAIN LINE IS NOT BEING RESURFACED

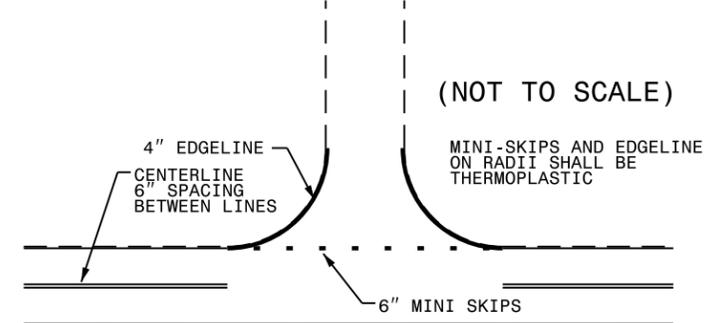


\*NOTE: RESURFACE BRIDGE #45  
STA. 352+40 TO STA. 353+90  
\*\*NOTE: CURB AND GUTTER ON SECTION  
STA. 350+05 TO STA. 354+85

TYPICAL SECTION NO. 1

TO BE USED ON MAP 1

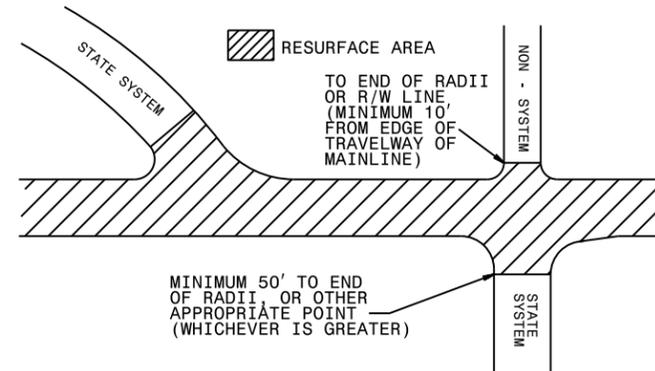
TO BE USED AT ALL  
NON-SIGNALIZED INTERSECTIONS



NOTE: MINI SKIPS SHALL BE PLACED ON A 8' CYCLE, CONTAINING AN 6' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6'.

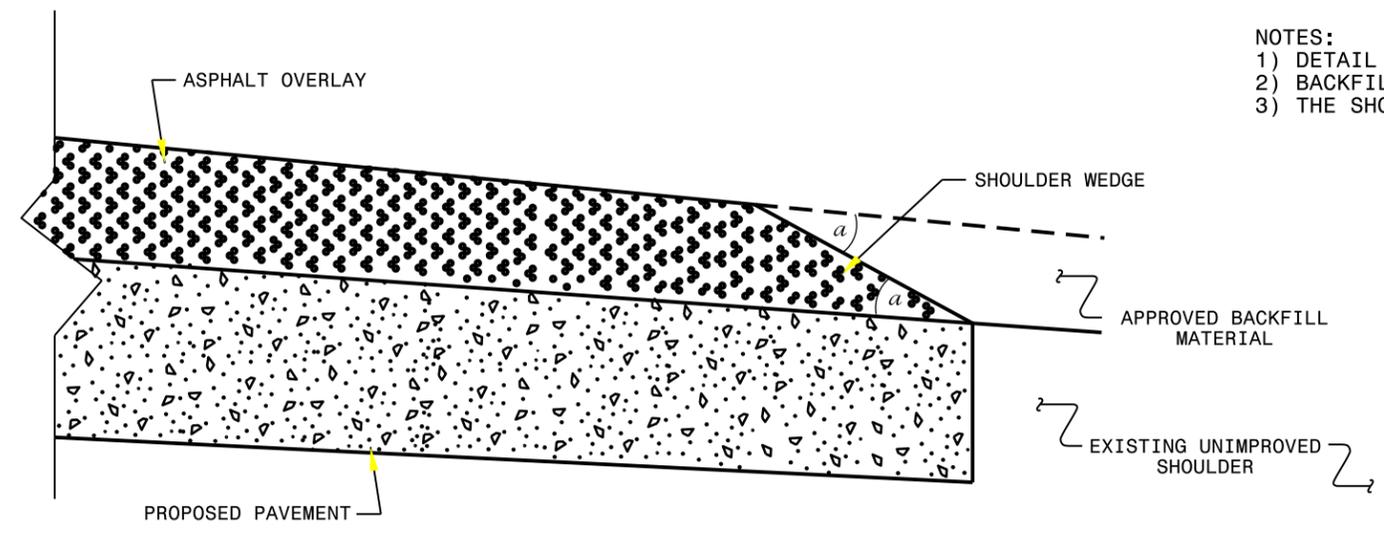
PAVING DETAIL 2  
MAIN LINE IS BEING RESURFACED

NOTE: NON-SYSTEM (CITY STREET, PRIVATE DRIVE,  
SCHOOL BUS DRIVE)



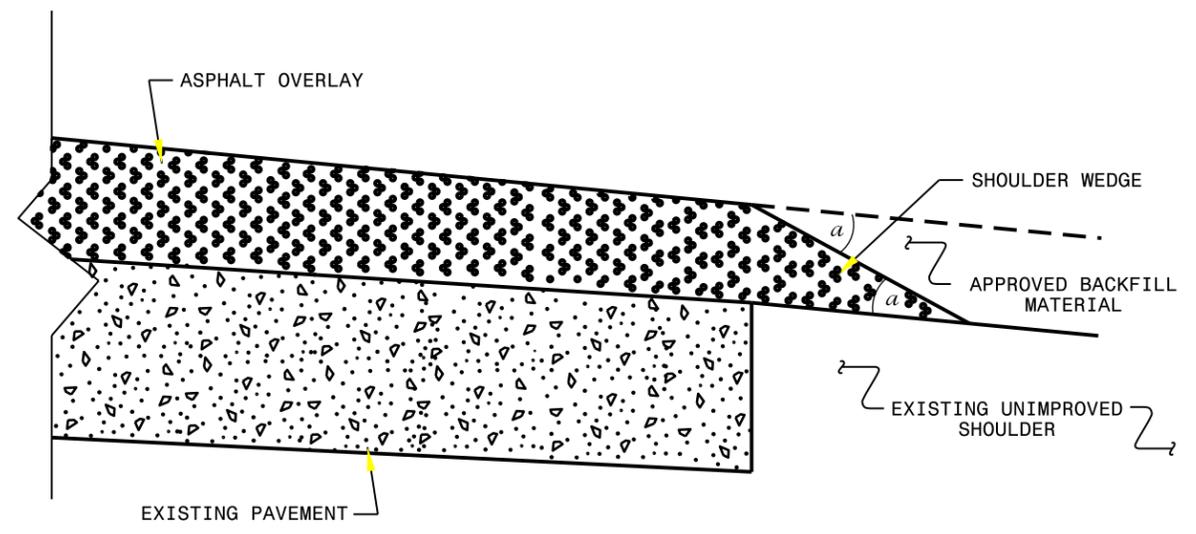
PAVEMENT SCHEDULE

|   |   |
|---|---|
| C | PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD. |
| F | AST MAT COAT, #78M STONE  |
| U | EXISTING PAVEMENT.  |

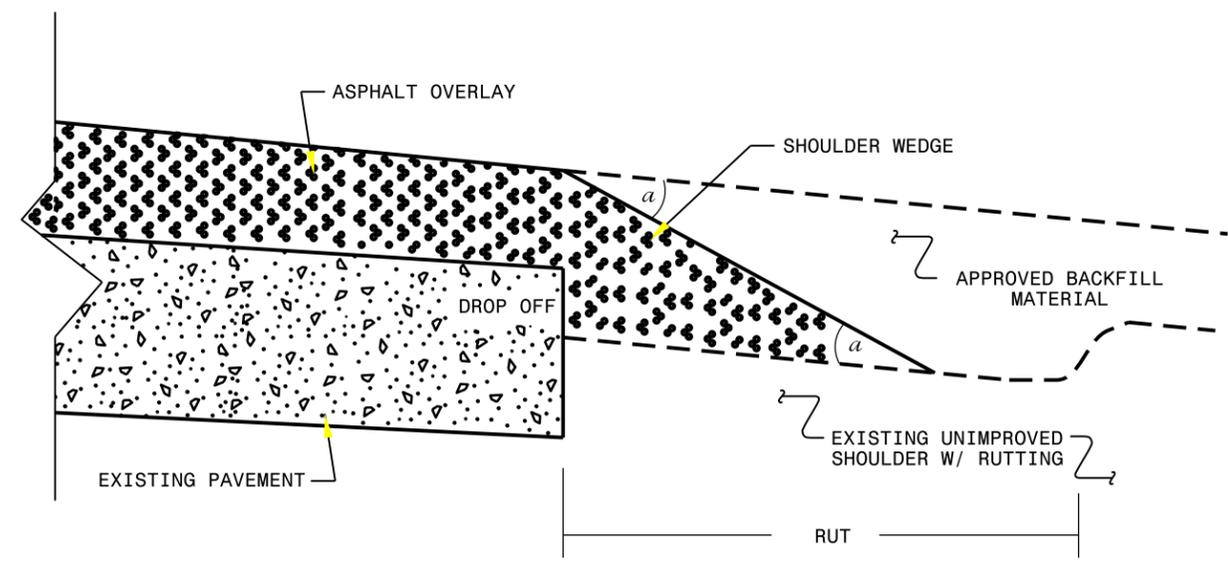


- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

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



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



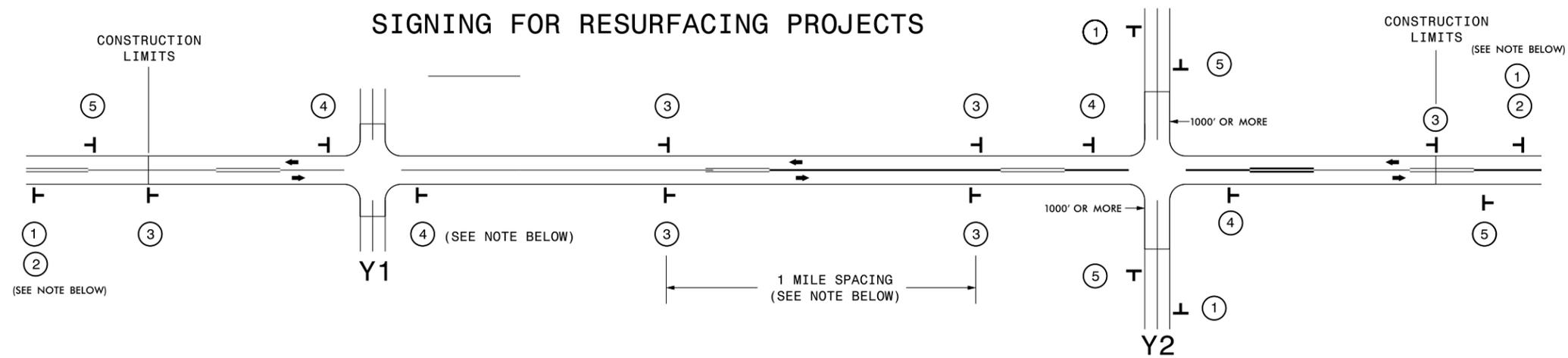
**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

|  |                |                  |  |
|--|----------------|------------------|--|
| <b>CONTRACT STANDARDS<br/>AND DEVELOPMENT UNIT</b>       |                |                  |  |
| Office 919-707-6950                                      |                | FAX 919-250-4119 |  |
| <b>SHOULDER WEDGE<br/>DETAILS</b>                        |                |                  |  |
| 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 |                |                  |  |

13 MAY 2016 09:45  
 S:\MDC\Resurfacing Projects\7CR.20171.40\CA00\upr\col1.dgn  
 .ctb\skins\_A\_17\CA00\21374

## SIGNING FOR RESURFACING PROJECTS



| LEGEND |                           |
|--------|---------------------------|
| T      | STATIONARY SIGN           |
| ←      | DIRECTION OF TRAFFIC FLOW |

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

| SIGNING NOTES AND<br>PLACEMENT PER DIRECTION |   |   |
|--|---|---|
| 1<br>2                                       | <br>W20-1<br>48" X 48"<br>W7-30P<br>24" X 18"<br>NEXT MILES | <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>   |
| 3  | <br>SP 13107<br>48" X 48"                                   | <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>  |
| 4  | <br>SP 13106<br>48" X 48"                                   | <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>  |
| 5  | <br>END ROAD WORK<br>G20-2 A<br>48" X 24"                   | <p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>   |
|  |   | <p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</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;"> <br/>           W20-1<br/>48" X 48"         </div> <div style="text-align: center;"> <br/>           W20-7 A<br/>48" X 48"         </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> |

I:\MAY 2015 09:15 Signing Projects\2016 PO Contracts\Coswell\7CR.20171.40\CADD\typicoll.dgn  
 S:\MAY 2015 09:15 Signing Projects\2016 PO Contracts\Coswell\7CR.20171.40\CADD\typicoll.dgn  
 chruskins AT DTGADD21374



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

|              |           |           |
|--------------|-----------|-----------|
| PROJECT NO.  | SHEET NO. | TOTAL NO. |
| 7CR.20171.40 | 5         | 5         |

## SUMMARY OF QUANTITIES

| PROJECT NO                             | COUNTY  | MAP NO | ROUTE                  | DESCRIPTION  | TYP NO                   | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH MI    | WIDTH FT | INCIDENTAL STONE BASE TONS | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TONS | ASPHALT BINDER FOR PLANT MIX TONS | ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE SY | EMULSION FOR ASPHALT SURFACE TREATMENT GAL |    |   |     |        |
|--|---------|--------|------------------------|--|--------------------------|-------|-----------|--------------------------------|---------------------------|--------------|----------|----------------------------|---|-----------------------------------|--|--|----|---|-----|--------|
| 7CR.20171.40                           | Caswell | 1      | SR 1306 (ALLISON ROAD) | FROM US 158 - 7.72 TO SR 1300 (PARK SPRINGS ROAD) - 0.00 | 1                        | 2     | 2WU       | NO                             | NO                        | 0.009        | 19-30    | 460                        | 9   | 1                                 | 132  | 43.56                                      |    |   |     |        |
|  |         |        |                        |  | 1                        | 2     | 2WU       | NO                             | NO                        | 6.588        | 19       |                            | 5,216   | 349                               | 73,434   | 24,233.22                                  |    |   |     |        |
|  |         |        |                        |  | 1                        | 2     | 2WU       | NO                             | NO                        | 0.021        | 19-32    |                            | 22  | 1                                 | 320  | 105.60                                     |    |   |     |        |
|  |         |        |                        |  | 1                        | 2     | 2WU       | NO                             | NO                        | 0.011        | 32       |                            | 14  | 1                                 | 207  | 68.31                                      |    |   |     |        |
|  |         |        |                        |  | 1                        | 2     | 2WU       | NO                             | NO                        | 0.045        | 29       |                            | 53  | 4                                 | 766  | 252.78                                     |    |   |     |        |
|  |         |        |                        |  | BRIDGE #45 - RESURFACING |       |           |                                | 1                         | 2            | 2WU      | NO                         | NO  | 0.028                             | 30   |  | 34 | 2 | 493 | 162.69 |
|  |         |        |                        |  | 1                        | 2     | 2WU       | NO                             | NO                        | 0.018        | 30       |                            | 22  | 1                                 | 317  | 104.61                                     |    |   |     |        |
|  |         |        |                        |  | 1                        | 2     | 2WU       | NO                             | NO                        | 0.394        | 19-30    |                            | 399   | 27                                | 5,779  | 1,907.07                                   |    |   |     |        |
|  |         |        |                        | 1  | 2                        | 2WU   | NO        | NO                             | 0.61                      | 19           |          | 480                        | 32  | 6,799                             | 158.40   |  |    |   |     |        |
| <b>TOTAL FOR MAP NO. 1</b>             |         |        |                        |  |                          |       |           |                                |                           | <b>7.724</b> |          | <b>460</b>                 | <b>6,249</b>                                  | <b>418</b>                        | <b>88,247</b>                                      | <b>27,036.24</b>                           |    |   |     |        |
| <b>TOTAL FOR PROJ NO. 7CR.20171.40</b> |         |        |                        |  |                          |       |           |                                |                           | <b>7.724</b> |          | <b>460</b>                 | <b>6,249</b>                                  | <b>418</b>                        | <b>88,247</b>                                      | <b>27,036.24</b>                           |    |   |     |        |
| <b>GRAND TOTAL</b>                     |         |        |                        |  |                          |       |           |                                |                           | <b>7.724</b> |          | <b>460</b>                 | <b>6,249</b>                                  | <b>418</b>                        | <b>88,247</b>                                      | <b>27,036.24</b>                           |    |   |     |        |

## THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO         | COUNTY  | MAP NO | ROUTE                  | DESCRIPTION  | TYP NO | LANES | LANE TYPE | LENGTH       | WIDTH | 4400000000-E                           | 4589000000-N                                      | 4685000000-E              | 4690000000-E               | 4810000000-E      | 4810000000-E       |          |            |            |                |                |
|--------------------|---------|--------|------------------------|--|--------|-------|-----------|--------------|-------|--|---|---------------------------|----------------------------|-------------------|--------------------|----------|------------|------------|----------------|----------------|
|                    |         |        |                        |  |        |       |           |              |       | WORK ZONE SIGNS (STATIONARY) SF        | GENERIC TRAFFIC CONTROL ITEM (TRAFFIC CONTROL) LS | 4" X 90 M WHITE THERMO LF | 6" X 120 M WHITE THERMO LF | 4" WHITE PAINT LF | 4" YELLOW PAINT LF |          |            |            |                |                |
| 7CR.20171.40       | Caswell | 1      | SR 1306 (ALLISON ROAD) | FROM US 158 - 7.72 TO SR 1300 (PARK SPRINGS ROAD) - 0.00 | 1      | 2     | 2WU       | 7.724        | 19-32 | 865                                    | 1   | 600                       | 148                        | 161,940           | 148,440            |          |            |            |                |                |
|                    |         |        |                        |  |        |       |           |              |       | <b>TOTAL FOR MAP NO. 1</b>             |   |                           |                            |                   | <b>865</b>         | <b>1</b> | <b>600</b> | <b>148</b> | <b>161,940</b> | <b>148,440</b> |
|                    |         |        |                        |  |        |       |           |              |       | <b>TOTAL FOR PROJ NO. 7CR.20171.40</b> |   |                           |                            |                   | <b>865</b>         | <b>1</b> | <b>600</b> | <b>148</b> | <b>161,940</b> | <b>148,440</b> |
| <b>GRAND TOTAL</b> |         |        |                        |  |        |       |           | <b>7.724</b> |       | <b>865</b>                             | <b>1</b>  | <b>600</b>                | <b>148</b>                 | <b>161,940</b>    | <b>148,440</b>     |          |            |            |                |                |