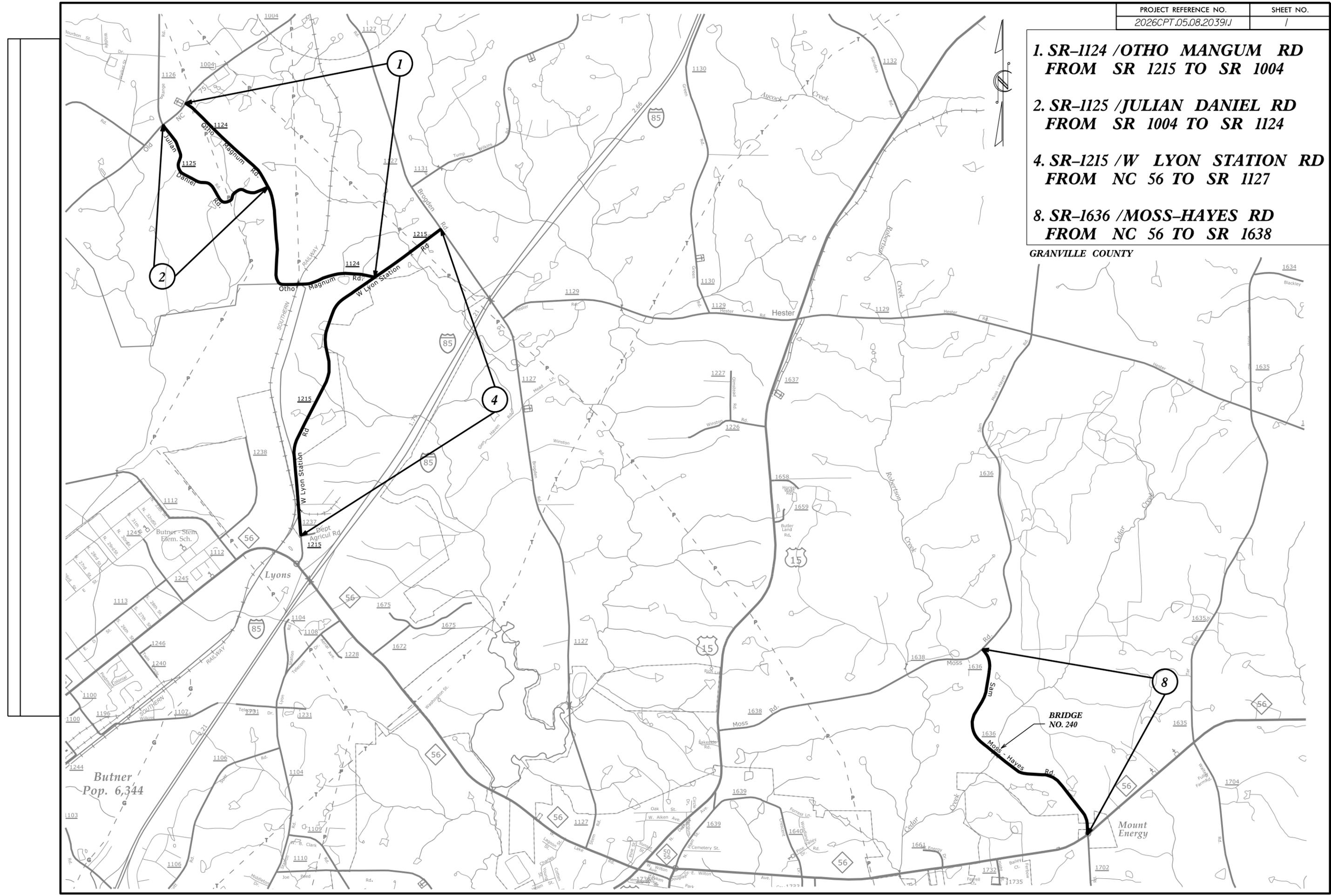


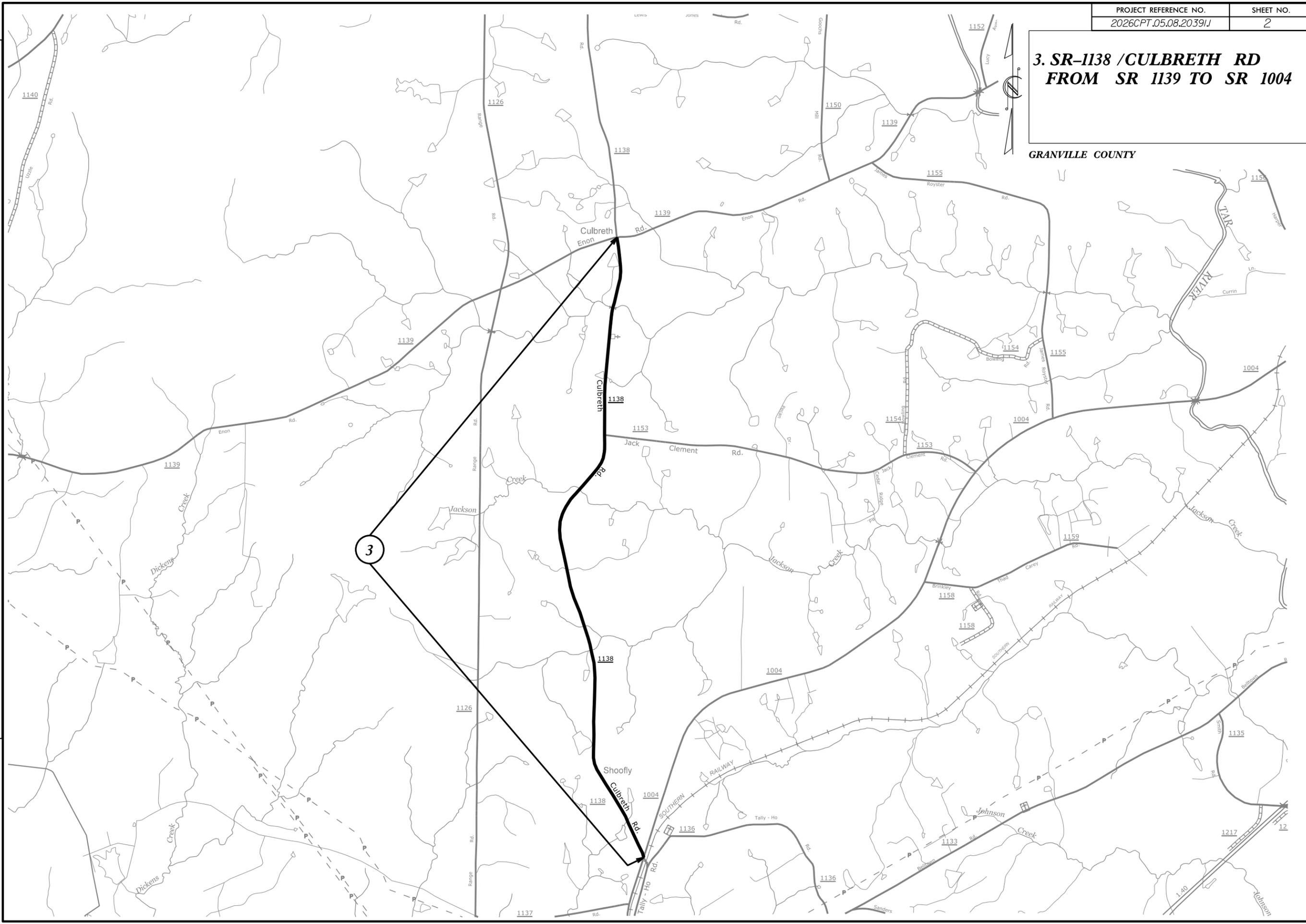
- 1. SR-1124 / OTHO MANGUM RD  
FROM SR 1215 TO SR 1004**
- 2. SR-1125 / JULIAN DANIEL RD  
FROM SR 1004 TO SR 1124**
- 4. SR-1215 / W LYON STATION RD  
FROM NC 56 TO SR 1127**
- 8. SR-1636 / MOSS-HAYES RD  
FROM NC 56 TO SR 1638**

GRANVILLE COUNTY



**3. SR-1138 /CULBRETH RD  
FROM SR 1139 TO SR 1004**

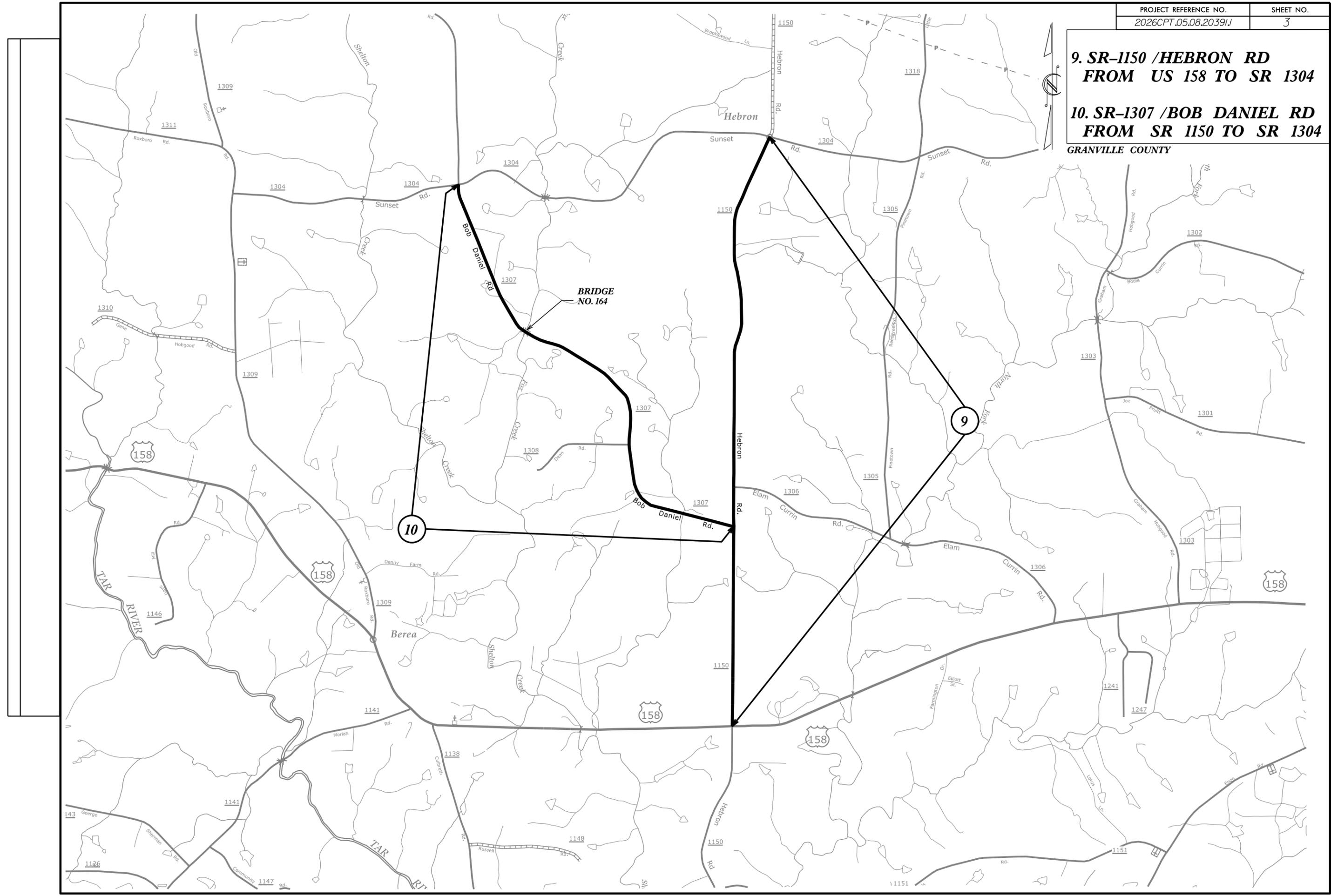
GRANVILLE COUNTY



**9. SR-1150 / HEBRON RD  
FROM US 158 TO SR 1304**

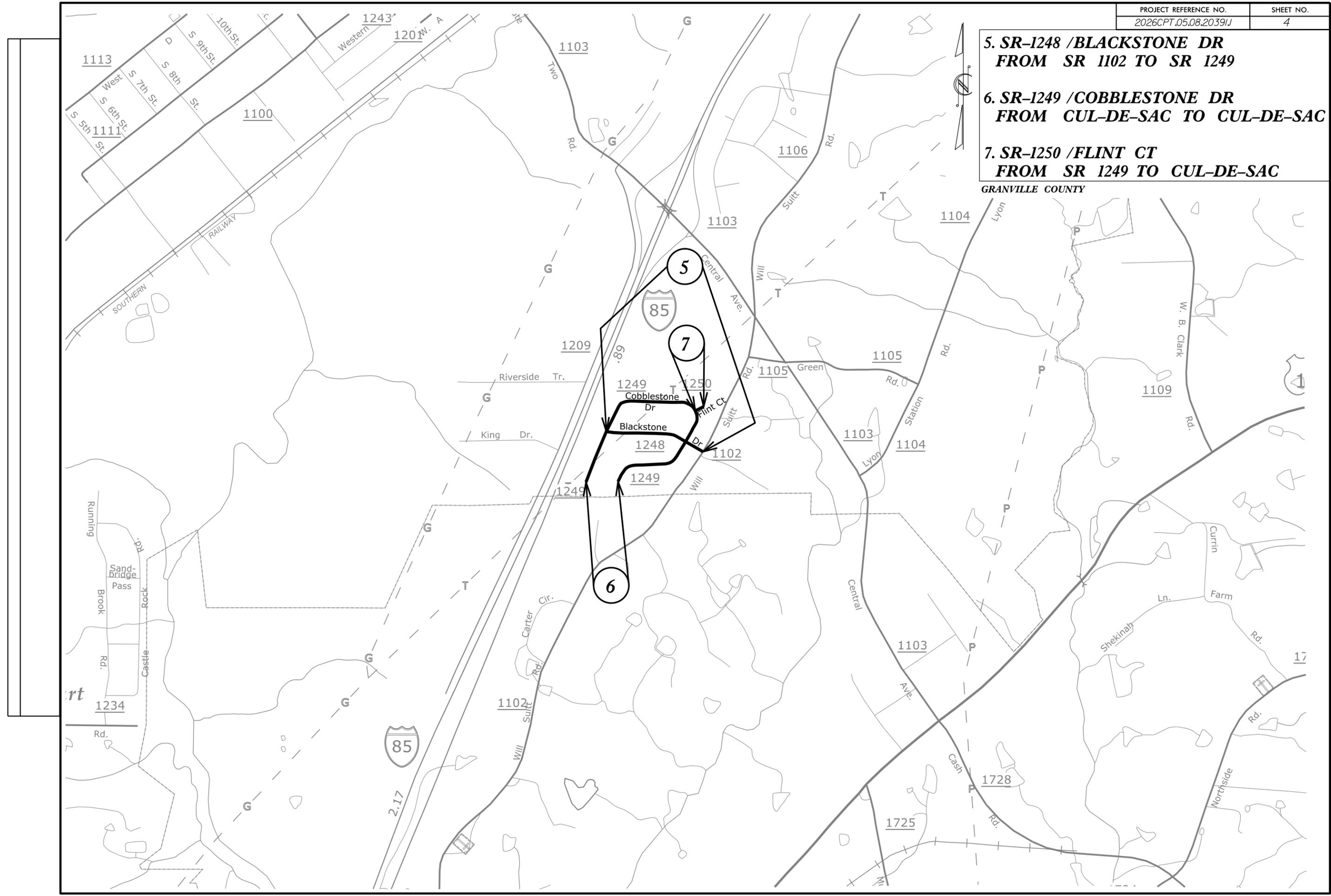
**10. SR-1307 / BOB DANIEL RD  
FROM SR 1150 TO SR 1304**

**GRANVILLE COUNTY**



- 5. SR-1248 /BLACKSTONE DR  
FROM SR 1102 TO SR 1249**
- 6. SR-1249 /COBBLESTONE DR  
FROM CUL-DE-SAC TO CUL-DE-SAC**
- 7. SR-1250 /FLINT CT  
FROM SR 1249 TO CUL-DE-SAC**

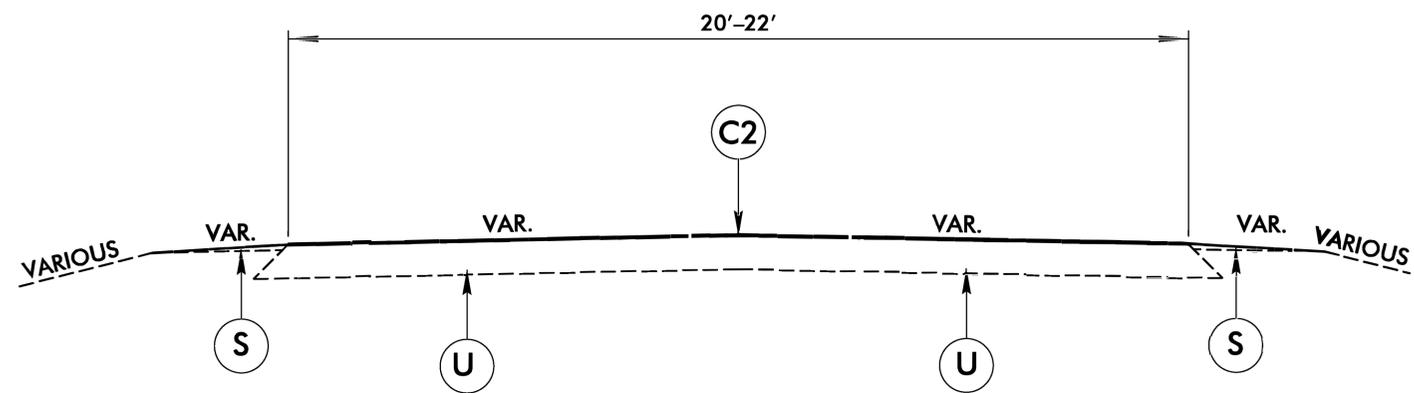
GRANVILLE COUNTY



8/17/99

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
J1	6" CLASS IV SUBGRADE STABILIZATION
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION
V1	MILLING OF EXISTING ASPHALT PAVEMENT, 10.5"
S	SHOULDER RECONSTRUCTION, ASB REQUIRED
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.08.2039/J	5



**TYPICAL SECTION NO. 1**

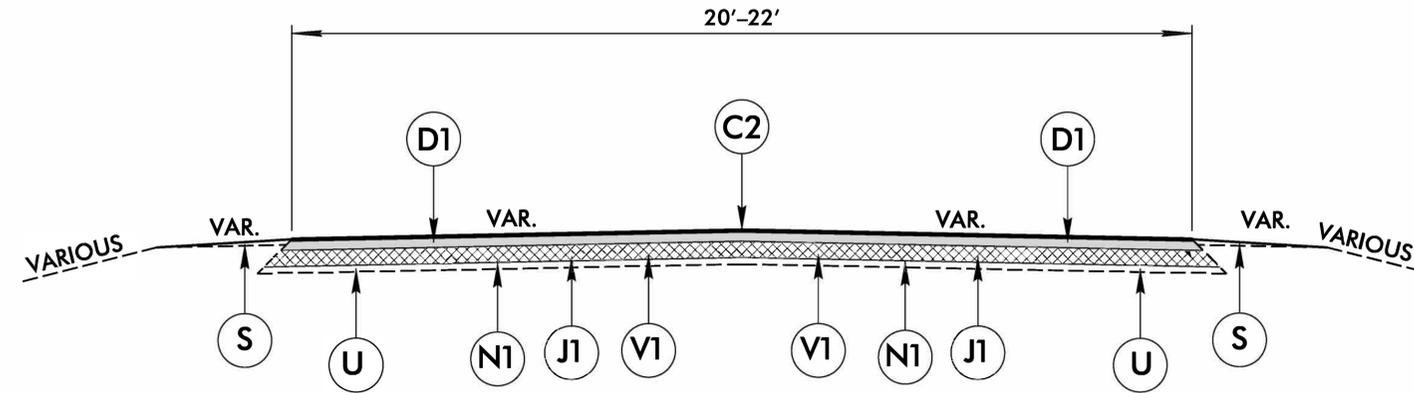
- MAP 1 – SR-1124 /OTHO MANGUM RD
- MAP 2 – SR-1125 /JULIAN DANIEL RD
- MAP 3 – SR-1138 /CULBRETH RD
- MAP 4 – SR-1215 /W LYON STATION RD
- MAP 8 – SR-1636 /MOSS-HAYES RD

**NOTE:**  
MILL 1 1/2" ON MAP 8, BRIDGE NO. 240  
AS DIRECTED BY THE ENGINEER  
TO RESURFACE AND NOT ADD ANY ADDITIONAL WEIGHT ON THE BRIDGE.  
TO BE PAID FOR AS INCIDENTAL MILLING.

8/17/99

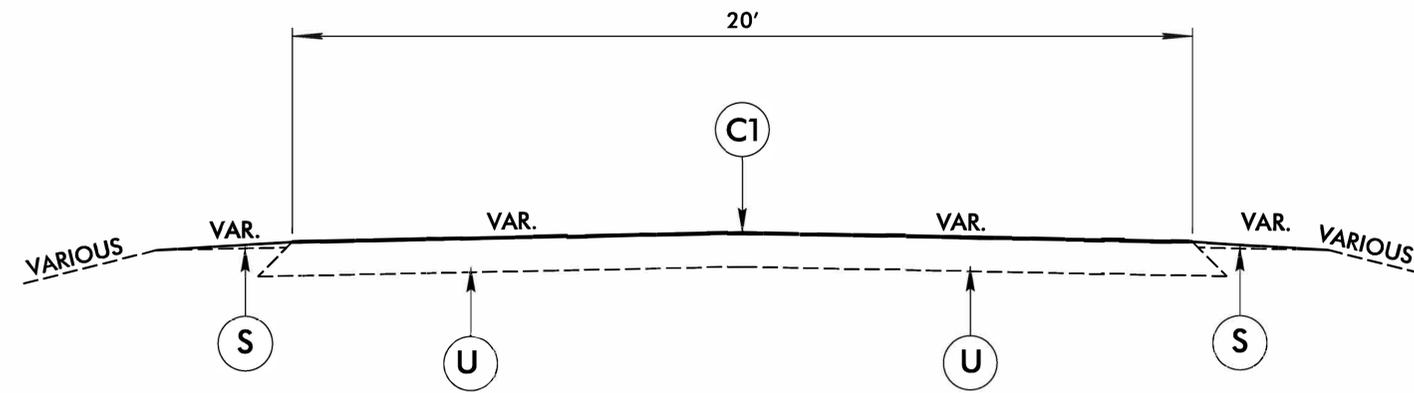
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
J1	6" CLASS IV SUBGRADE STABILIZATION
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION
V1	MILLING OF EXISTING ASPHALT PAVEMENT, 10.5"
S	SHOULDER RECONSTRUCTION, ASB REQUIRED
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.08.2039/J	6



**TYPICAL SECTION NO. 2**

- MAP 5 - SR-1248 /BLACKSTONE DR
- MAP 6 - SR-1249 /COBBLESTONE DR
- MAP 7 - SR-1250 /FLINT CT

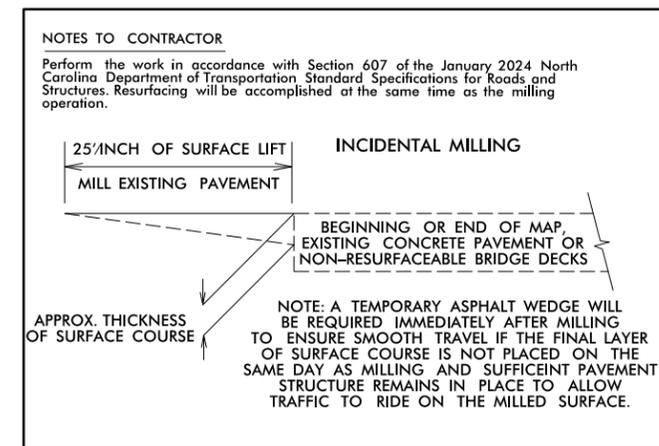
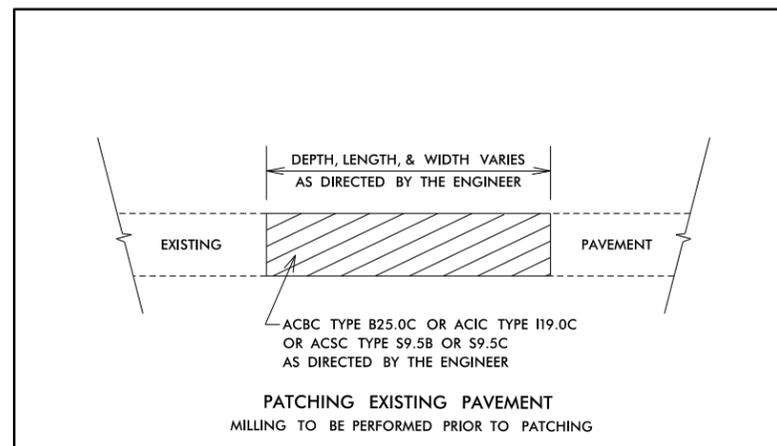


**TYPICAL SECTION NO. 3**

- MAP 9 - SR-1150 /HEBRON RD
- MAP 10 - SR-1307 /BOB DANIEL RD

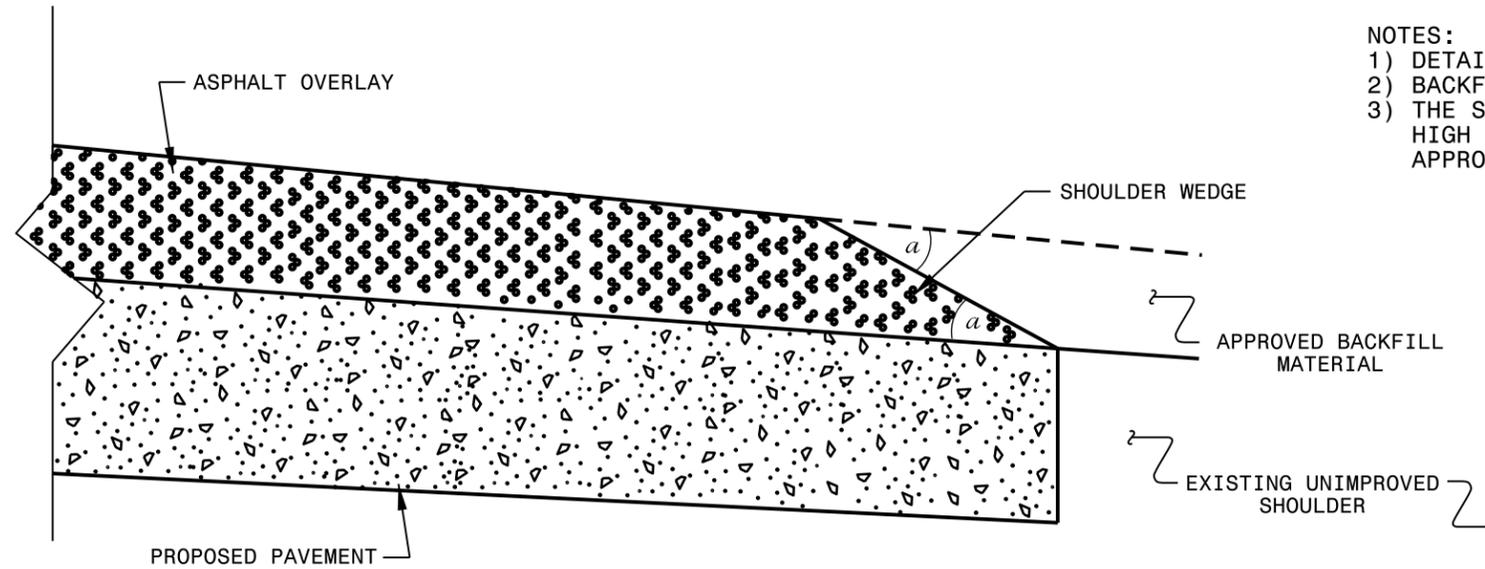
**NOTES**

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.  
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.  
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.  
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

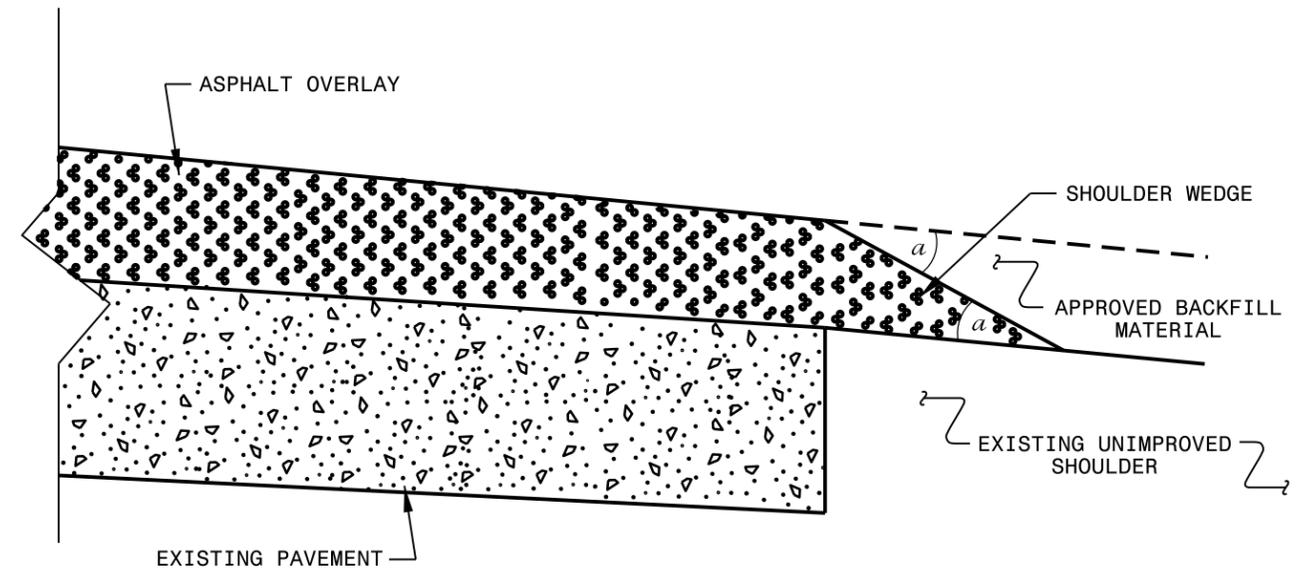


NOTES:

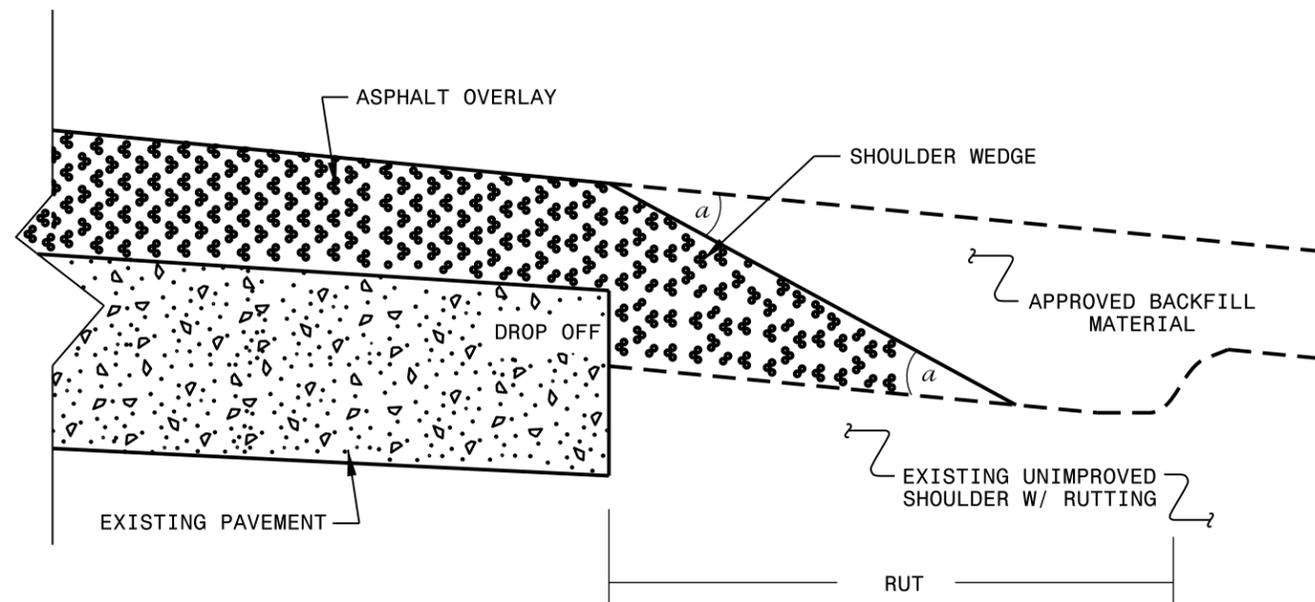
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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 AND DEVELOPMENT UNIT</b>	
Office 919-707-6950 FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.:	s:\usr\detatl1\stand\shoulderwedgedetatl1.dgn

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

\$\$\$\$SYTIME\$\$\$\$  
 \$\$\$USERNAME\$\$\$



PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.05.08.20391.1	10	

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	1112000000-E	1099700000-E	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1503000000-E	1519000000-E	1575000000-E	1704000000-E	2830000000-N		
										GEOTEXTILE FOR SUBGRADE STABILIZATION	CLASS IV SUBGRADE STABILIZATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	10.5" MILLING	INCIDENTAL MILLING	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJUST MANHOLES		
										SY	TONS	TONS	SMI	TON	SY	SY	TONS	TONS	TON	TONS	EA		
2026CPT.05.08.20391.1	Granville	1	SR-1124 / OTHO MANGUM RD	FROM SR 1215 TO SR 1004	1	2	2WU	1.887	20			95	3.78	350		250		1,889	153	626			
<b>TOTAL FOR MAP NO. 1</b>								<b>1.887</b>				<b>95</b>	<b>3.78</b>	<b>350</b>		<b>250</b>		<b>1,889</b>	<b>153</b>	<b>626</b>			
2026CPT.05.08.20391.1	Granville	2	SR-1125 / JULIAN DANIEL RD	FROM SR 1004 TO SR 1124	1	2	2WU	0.963	20			48	1.92	178		84		974	70	141			
<b>TOTAL FOR MAP NO. 2</b>								<b>0.963</b>				<b>48</b>	<b>1.92</b>	<b>178</b>		<b>84</b>		<b>974</b>	<b>70</b>	<b>141</b>			
2026CPT.05.08.20391.1	Granville	3	SR-1138 / CULBRETH RD	FROM SR 1139 TO SR 1004	1	2	2WU	3.501	20			175	7.00	647		65		3,541	230				
<b>TOTAL FOR MAP NO. 3</b>								<b>3.501</b>				<b>175</b>	<b>7.00</b>	<b>647</b>		<b>65</b>		<b>3,541</b>	<b>230</b>				
2026CPT.05.08.20391.1	Granville	4	SR-1215 / W LYON STATION RD	FROM NC 56 TO SR 1127	1	2	2WU	2.403	22			120	4.80	444		440		2,474	161	4	1		
<b>TOTAL FOR MAP NO. 4</b>								<b>2.403</b>				<b>120</b>	<b>4.80</b>	<b>444</b>		<b>440</b>		<b>2,474</b>	<b>161</b>	<b>4</b>	<b>1</b>		
2026CPT.05.08.20391.1	Granville	5	SR-1248 / BLACKSTONE DR	FROM SR 1102 TO SR 1249	2	2	2WU	0.288	20	3,302.00	1,116	15	0.58	54	2,833	470	593	287	49		1		
<b>TOTAL FOR MAP NO. 5</b>								<b>0.288</b>		<b>3,302.00</b>	<b>1,116</b>	<b>15</b>	<b>0.58</b>	<b>54</b>	<b>2,833</b>	<b>470</b>	<b>593</b>	<b>287</b>	<b>49</b>		<b>1</b>		
2026CPT.05.08.20391.1	Granville	6	SR-1249 / COBBLESTONE DR	FROM CUL-DE-SAC TO CUL-DE-SAC	2	2	2WU	0.811	20	10,112.00	3,414	41	1.62	150	10,112		1,816	876	147				
<b>TOTAL FOR MAP NO. 6</b>								<b>0.811</b>		<b>10,112.00</b>	<b>3,414</b>	<b>41</b>	<b>1.62</b>	<b>150</b>	<b>10,112</b>		<b>1,816</b>	<b>876</b>	<b>147</b>				
2026CPT.05.08.20391.1	Granville	7	SR-1250 / FLINT CT	FROM SR 1249 TO CUL-DE-SAC	2	2	2WU	0.031	20	579.00	197	2	0.06	6	579		104	51	8				
<b>TOTAL FOR MAP NO. 7</b>								<b>0.031</b>		<b>579.00</b>	<b>197</b>	<b>2</b>	<b>0.06</b>	<b>6</b>	<b>579</b>		<b>104</b>	<b>51</b>	<b>8</b>				
2026CPT.05.08.20391.1	Granville	8	SR-1636 / MOSS-HAYES RD	FROM NC 56 TO SR 1638	1	2	2WU	1.520	20			76	3.03	280		469		1,511	99	7			
<b>TOTAL FOR MAP NO. 8</b>								<b>1.520</b>				<b>76</b>	<b>3.03</b>	<b>280</b>		<b>469</b>		<b>1,511</b>	<b>99</b>	<b>7</b>			
2026CPT.05.08.20391.1	Granville	9	SR-1150 / HEBRON RD	FROM US 158 TO SR 1304	3	2	2WU	3.300	20			166	6.62	612		398		2,820	185	25			
<b>TOTAL FOR MAP NO. 9</b>								<b>3.300</b>				<b>166</b>	<b>6.62</b>	<b>612</b>		<b>398</b>		<b>2,820</b>	<b>185</b>	<b>25</b>			
2026CPT.05.08.20391.1	Granville	10	SR-1307 / BOB DANIEL RD	FROM SR 1150 TO SR 1304	3	2	2WU	2.700	20			134	5.34	494		363		2,251	148	39			
<b>TOTAL FOR MAP NO. 10</b>								<b>2.700</b>				<b>134</b>	<b>5.34</b>	<b>494</b>		<b>363</b>		<b>2,251</b>	<b>148</b>	<b>39</b>			
<b>TOTAL FOR PROJ NO. 2026CPT.05.08.20391.1</b>								<b>17.404</b>				<b>134</b>	<b>5.34</b>	<b>494</b>		<b>363</b>		<b>2,251</b>	<b>148</b>	<b>39</b>			
<b>GRAND TOTAL</b>								<b>17.404</b>				<b>13,993.00</b>	<b>4,727</b>	<b>872</b>	<b>34.75</b>	<b>3,215</b>	<b>13,524</b>	<b>2,539</b>	<b>2,513</b>	<b>16,674</b>	<b>1,250</b>	<b>842</b>	<b>2</b>

# SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	441300000-E	445700000-N	468500000-E		470400000-E	470900000-E	472000000-E			
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	16" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	THERMO MSG RXR 90 M	THERMO MSG STOP 90 M	THERMO MSG AHEAD 90 M	
										MI	FT	SF	LS	LF	LF	LF	LF	EA	EA
2026CPT.05.08.20391.1	Granville	1	SR-1124 / OTHO MANGUM RD	FROM SR 1215 TO SR 1004	1	2	2WU	1.887	20	212	0.1086	21,750	21,620	100	70	4			
<b>TOTAL FOR MAP NO. 1</b>									<b>1.887</b>		<b>212</b>	<b>0.1086</b>	<b>21,750</b>	<b>21,620</b>	<b>100</b>	<b>70</b>	<b>4</b>		
2026CPT.05.08.20391.1	Granville	2	SR-1125 / JULIAN DANIEL RD	FROM SR 1004 TO SR 1124	1	2	2WU	0.963	20	103	0.0552	11,100	10,960						
<b>TOTAL FOR MAP NO. 2</b>									<b>0.963</b>		<b>103</b>	<b>0.0552</b>	<b>11,100</b>	<b>10,960</b>					
2026CPT.05.08.20391.1	Granville	3	SR-1138 / CULBRETH RD	FROM SR 1139 TO SR 1004	1	2	2WU	3.501	20	392	0.2011	40,110	40,110						
<b>TOTAL FOR MAP NO. 3</b>									<b>3.501</b>		<b>392</b>	<b>0.2011</b>	<b>40,110</b>	<b>40,110</b>					
2026CPT.05.08.20391.1	Granville	4	SR-1215 / WLYON STATION RD	FROM NC 56 TO SR 1127	1	2	2WU	2.403	22	269	0.1379	25,520	25,460	100	80	4			
<b>TOTAL FOR MAP NO. 4</b>									<b>2.403</b>		<b>269</b>	<b>0.1379</b>	<b>25,520</b>	<b>25,460</b>	<b>100</b>	<b>80</b>	<b>4</b>		
2026CPT.05.08.20391.1	Granville	5	SR-1248 / BLACKSTONE DR	FROM SR 1102 TO SR 1249	2	2	2WU	0.288	20	32	0.0167								
<b>TOTAL FOR MAP NO. 5</b>									<b>0.288</b>		<b>32</b>	<b>0.0167</b>							
2026CPT.05.08.20391.1	Granville	6	SR-1249 / COBBLESTONE DR	FROM CUL-DE-SAC TO CUL-DE-SAC	2	2	2WU	0.811	20	91	0.0466								
<b>TOTAL FOR MAP NO. 6</b>									<b>0.811</b>		<b>91</b>	<b>0.0466</b>							
2026CPT.05.08.20391.1	Granville	7	SR-1250 / FLINT CT	FROM SR 1249 TO CUL-DE-SAC	2	2	2WU	0.031	20	3	0.0017								
<b>TOTAL FOR MAP NO. 7</b>									<b>0.031</b>		<b>3</b>	<b>0.0017</b>							
2026CPT.05.08.20391.1	Granville	8	SR-1636 / MOSS-HAYES RD	FROM NC 56 TO SR 1638	1	2	2WU	1.52	20	170	0.0874	17,280	17,270				4	5	
<b>TOTAL FOR MAP NO. 8</b>									<b>1.52</b>		<b>170</b>	<b>0.0874</b>	<b>17,280</b>	<b>17,270</b>				<b>4</b>	<b>5</b>
2026CPT.05.08.20391.1	Granville	9	SR-1150 / HEBRON RD	FROM US 158 TO SR 1304	3	2	2WU	3.3	20	370	0.1897	38,170	38,140						
<b>TOTAL FOR MAP NO. 9</b>									<b>3.3</b>		<b>370</b>	<b>0.1897</b>	<b>38,170</b>	<b>38,140</b>					
2026CPT.05.08.20391.1	Granville	10	SR-1307 / BOB DANIEL RD	FROM SR 1150 TO SR 1304	3	2	2WU	2.7	20	302	0.1552	30,730	30,710						
<b>TOTAL FOR MAP NO. 10</b>									<b>2.7</b>		<b>302</b>	<b>0.155</b>	<b>30,730</b>	<b>30,710</b>					
<b>TOTAL FOR PROJ NO. 2026CPT.05.08.20391.1</b>									<b>17.404</b>		<b>1,949</b>	<b>1.000</b>	<b>184,660</b>	<b>184,270</b>	<b>200</b>	<b>150</b>	<b>8</b>	<b>4</b>	<b>5</b>
											<b>368,930</b>		<b>17</b>						
<b>GRAND TOTAL</b>									<b>17.404</b>		<b>1,949</b>	<b>1.000</b>	<b>184,660</b>	<b>184,270</b>	<b>200</b>	<b>150</b>	<b>8</b>	<b>4</b>	<b>5</b>
											<b>368,930</b>		<b>17</b>						

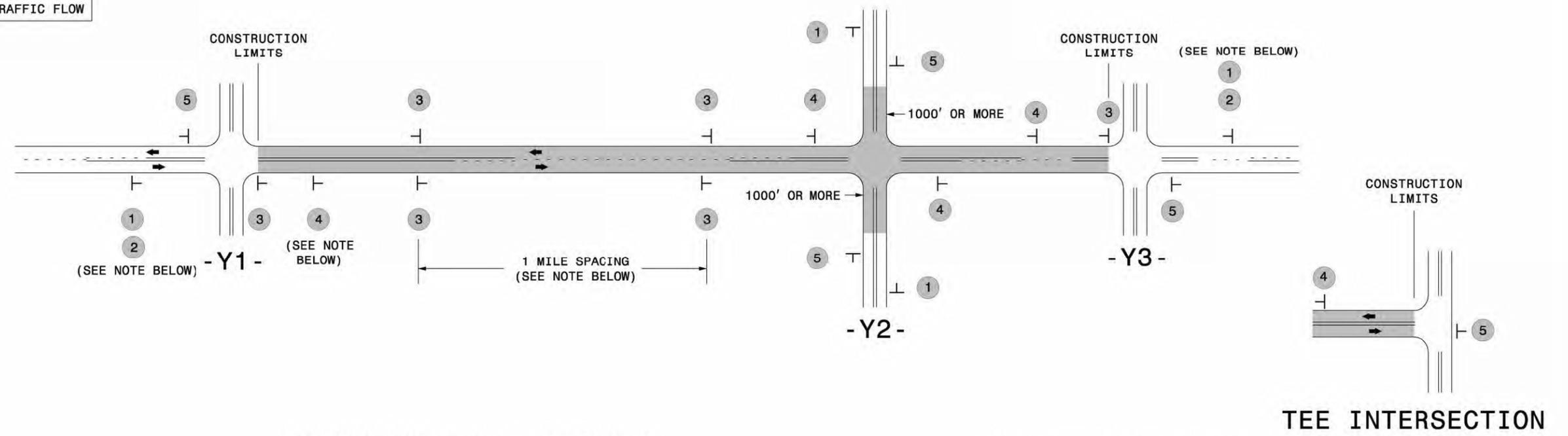
REVISIONS

8/17/99

12/15/2025 12:26:26 CPT.05.08.20391.1\_S00\_PSH.dgn  
J:RHS:kennedi

# 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>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, 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;">   <small>W20-1 48" X 48"</small>              PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">   <small>W20-7 A 48" X 48"</small>              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		<ul style="list-style-type: none"> <li>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</li> <li>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</li> </ul>	
	4		<ul style="list-style-type: none"> <li>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</li> <li>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li> <li>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li> <li>- 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.</li> <li>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li> <li>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</li> </ul>	
	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**

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