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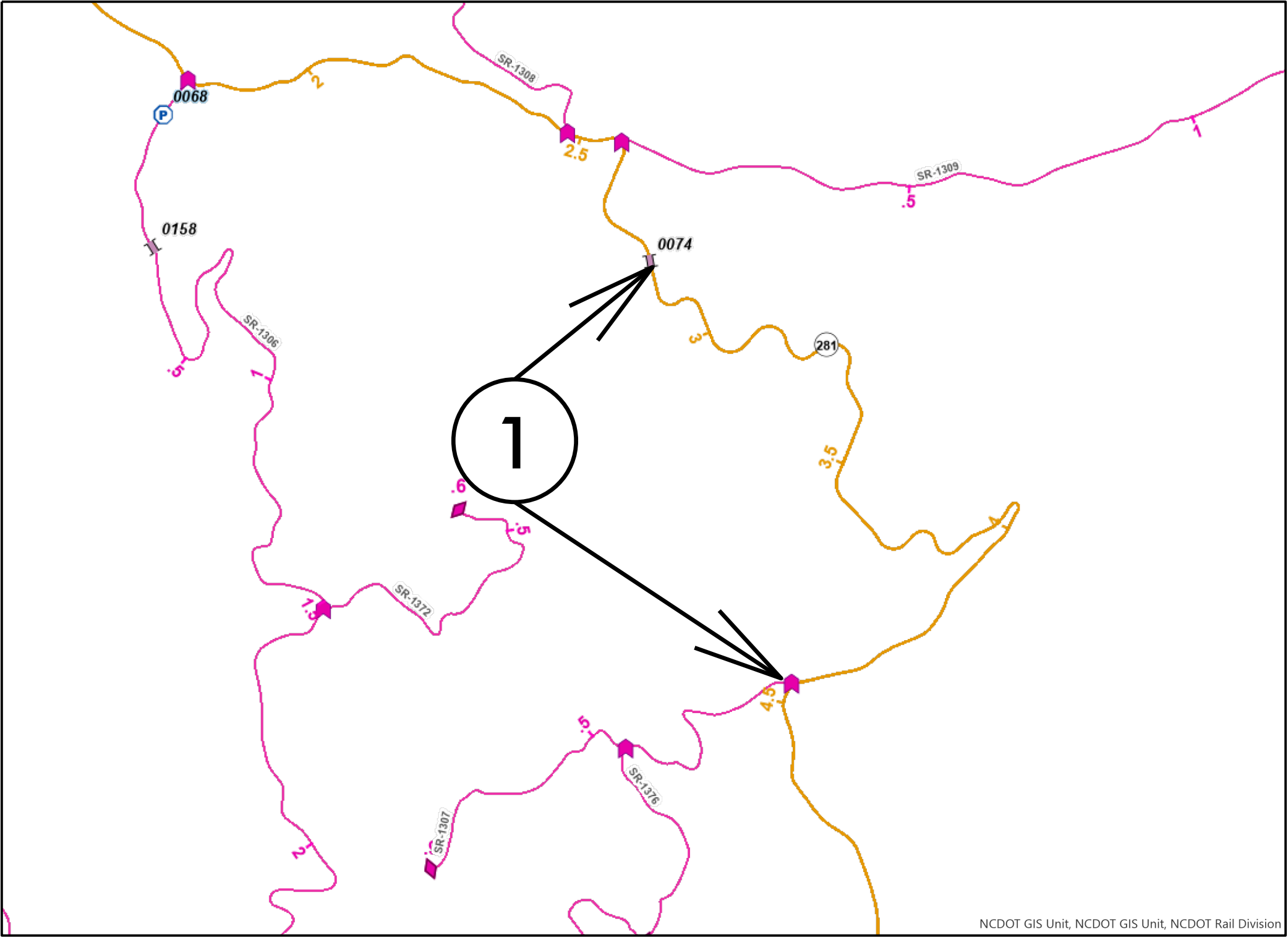
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09/08/09

CONTRACT: DN01111

# TRANSYLVANIA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.13.10881	11	8
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.13.10881		CON	



NCDOT GIS Unit, NCDOT GIS Unit, NCDOT Rail Division

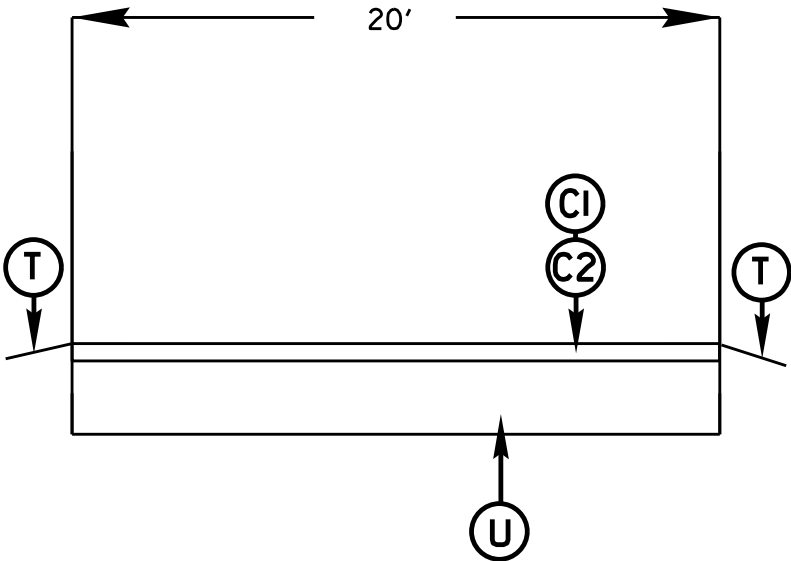
09/08/09

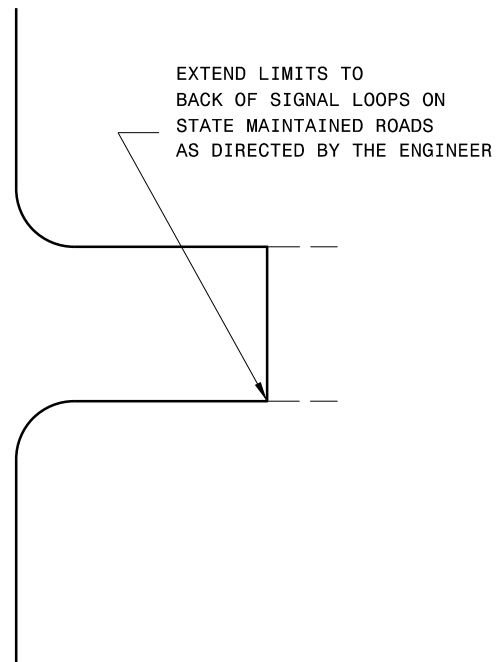
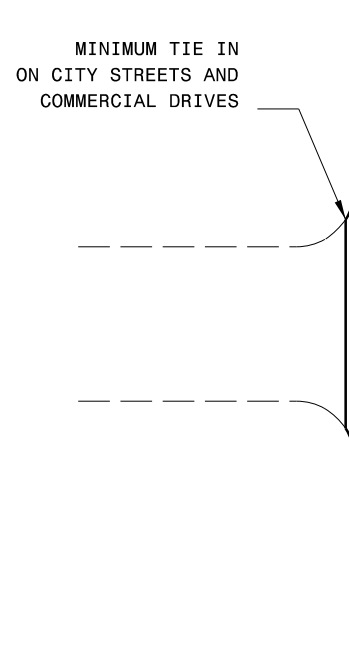
CONTRACT: DN01111

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.13.10881	2	
STATE PROJ. NO.		F. A. PROJ. NO.	DESCRIPTION
2025CPT.14.13.10881			

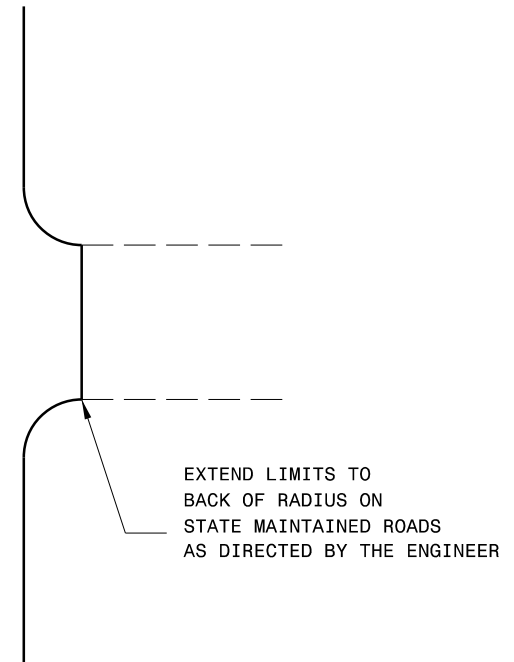
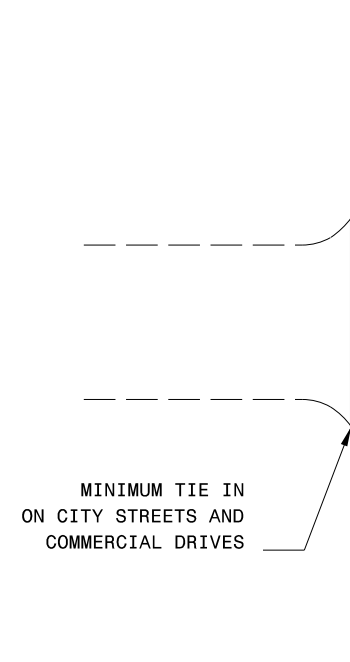
SURFACING SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165LBS. PER SQ. YD.
C2	PROP. APPROX. 1" LEVELING ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT

TYPICAL 1





TYPICAL DETAIL OF PROJECT LIMITS AT  
SIGNALIZED Y LINES



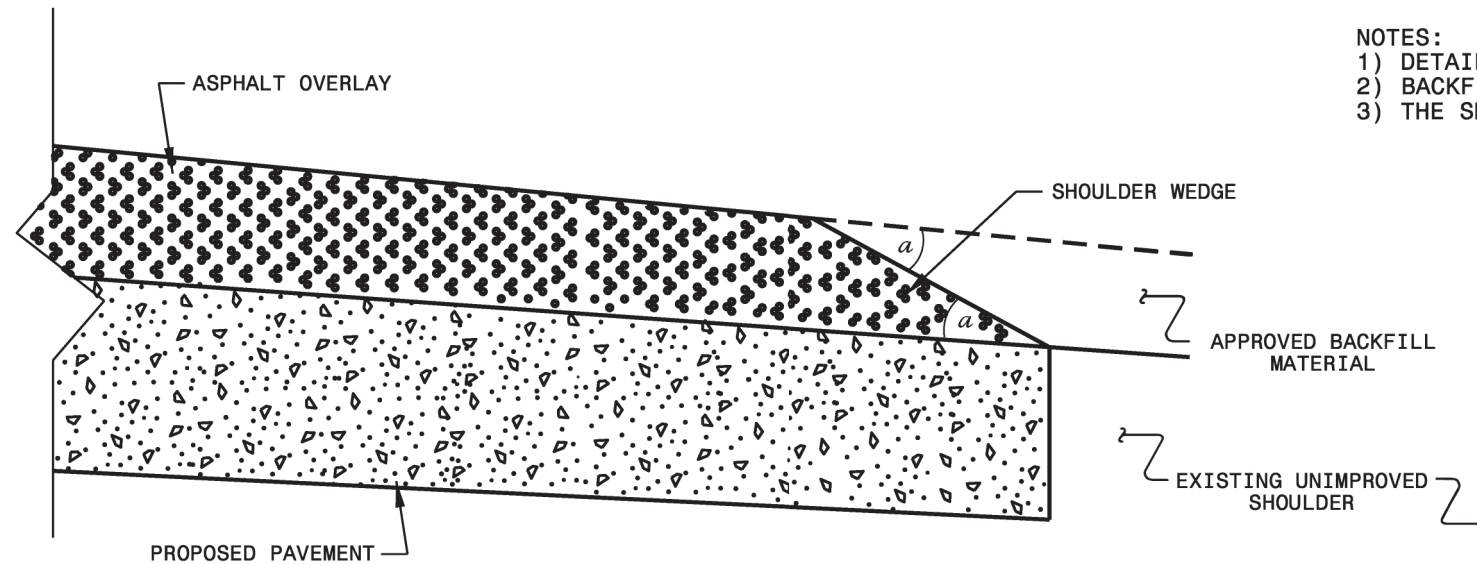
### TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

### ADDITIONAL INTERSECTIONS (NON-TYPICAL)

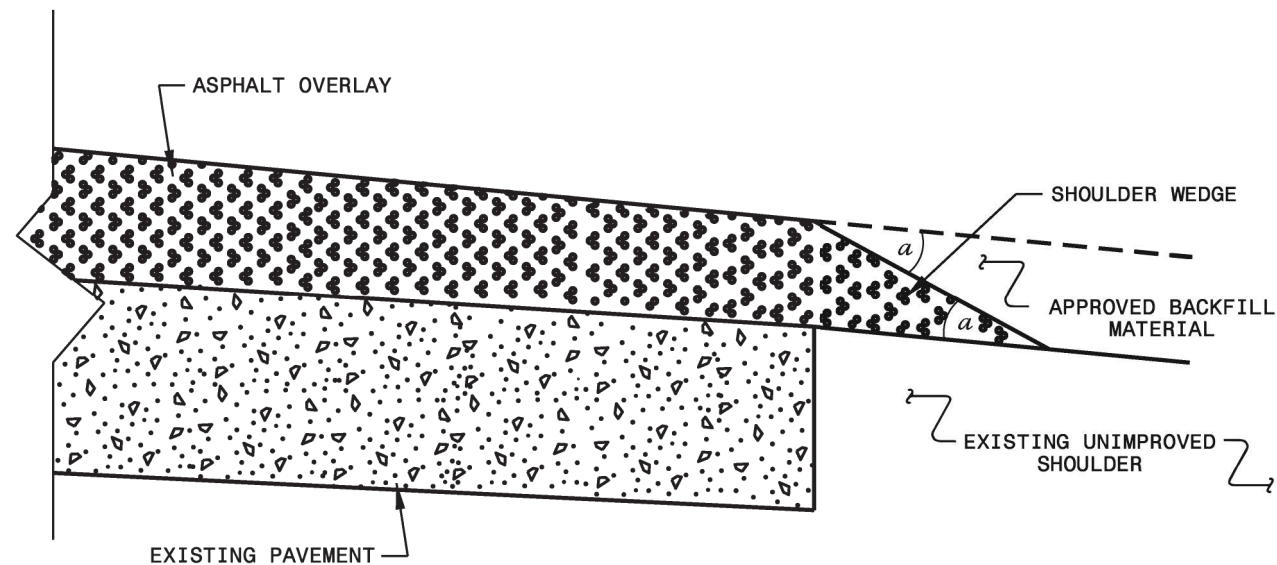
Extend paving limits to back of radius  
or loop on the following intersections:

[illegible]

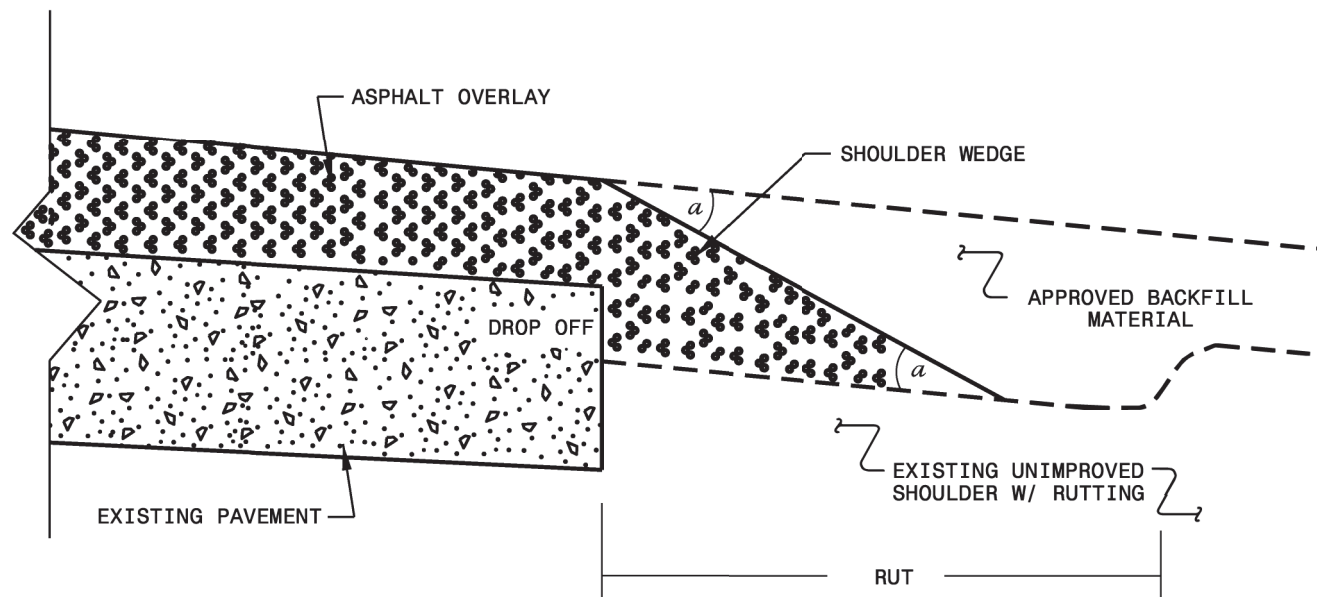
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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°

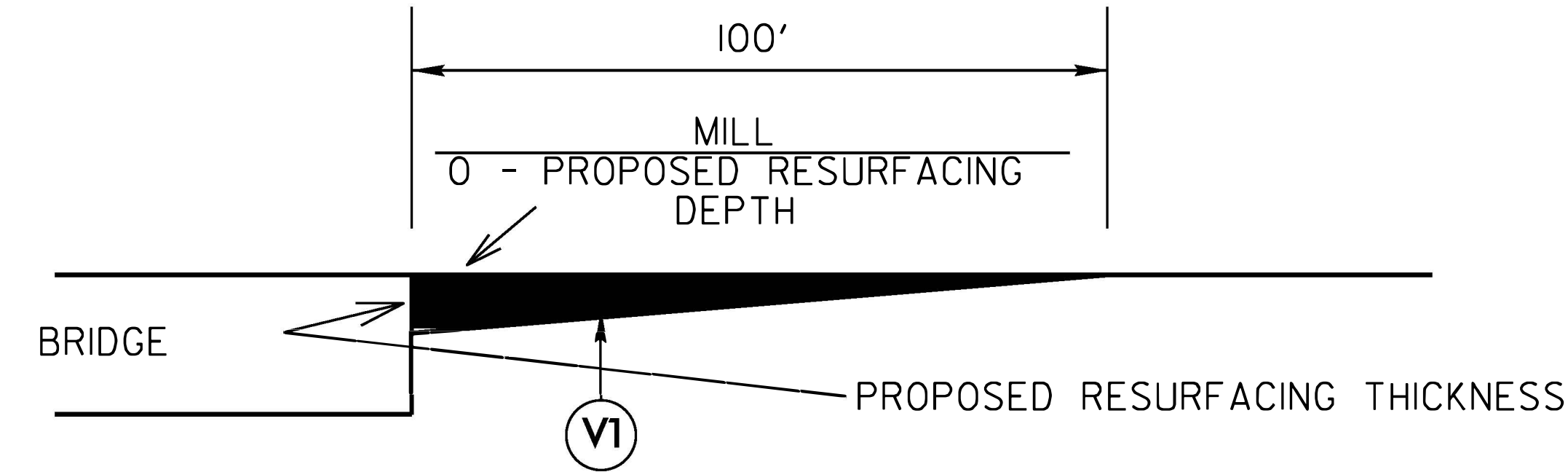
<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY:	T. SPELL	DATE:	7-19-11
MODIFIED BY:		DATE:	10/16/12
CHECKED BY:		DATE:	
FILE SPEC.	s:\usr\det_alls\stand\shoulderwed_detail.dgn		

SYSTEMS  
DESIGN  
GROUP  
CONSULTANTS  
INCORPORATED

CONTRACT: DN01111

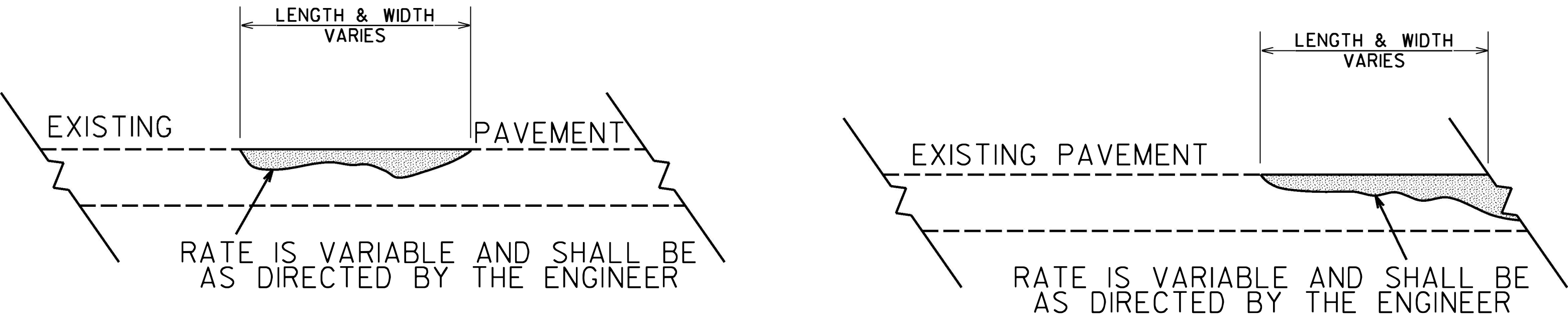
09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.13.10881	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.13.10881			



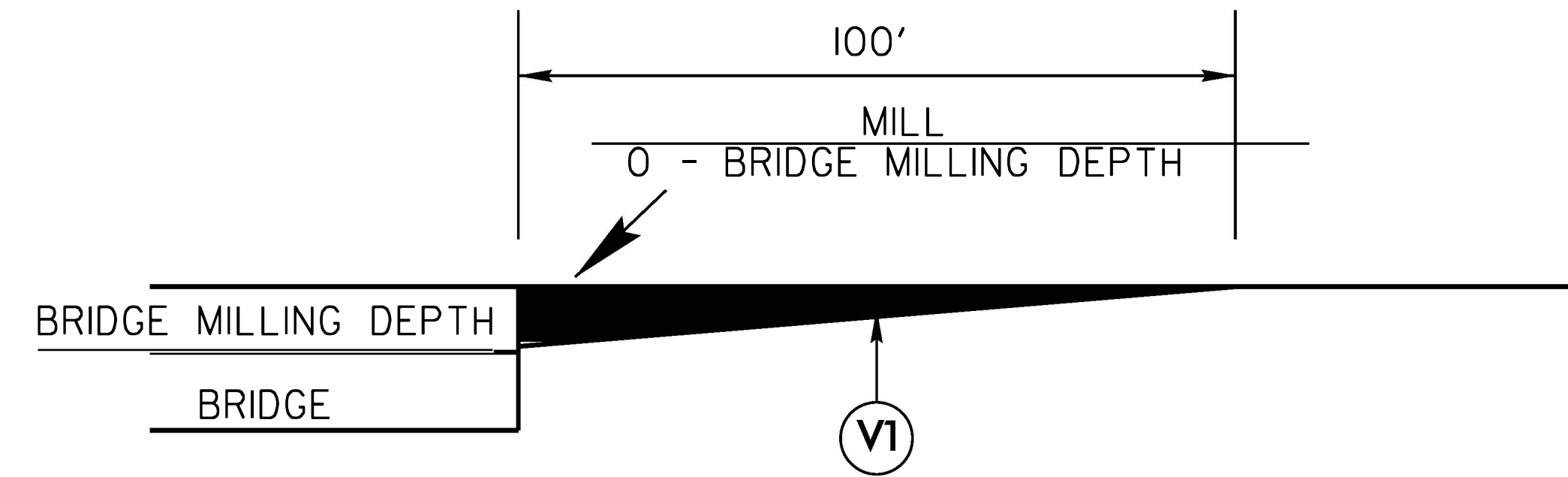
**MILLING DETAIL AT BRIDGE APPROACHES**

**WHERE BRIDGES WILL NOT BE RESURFACED.  
THIS WILL BE PAID FOR AS INCIDENTAL  
MILLING.**



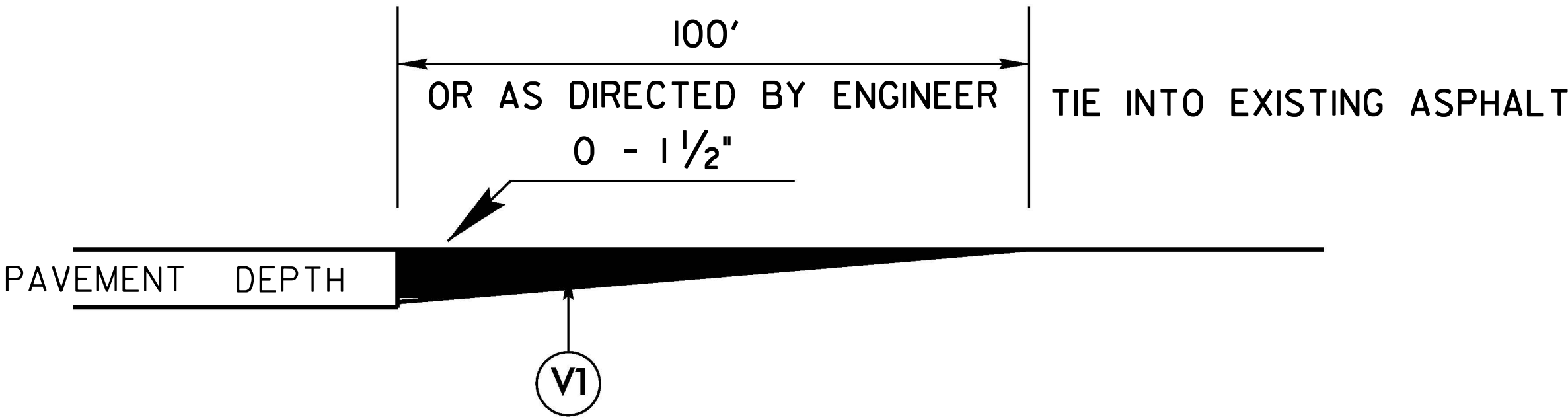
**DETAIL SHOWING METHOD OF WEDGING**

**\*PROPOSED WEDGE COURSE\* ( 114 LBS PER SQ YARD PER 1" DEPTH)**



**MILLING DETAIL AT BRIDGE APPROACHES**

**WHERE BRIDGES WILL BE MILLED THEN RESURFACED.  
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.**



**DETAIL TO TIE INTO EXIST PAVEMENT**

**THE CONTRACTOR'S ATTENTION IS DIRECTED TO  
THE FACT THAT HE WILL BE REQUIRED TO MILL  
THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER  
TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END  
AND Y LINES OF EACH MAP.  
THIS WILL BE PAID FOR AS 1 1/2" MILLING.**

CONTRACT: DN01111

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.13.10881	6	

SUMMARY OF QUANTITIES

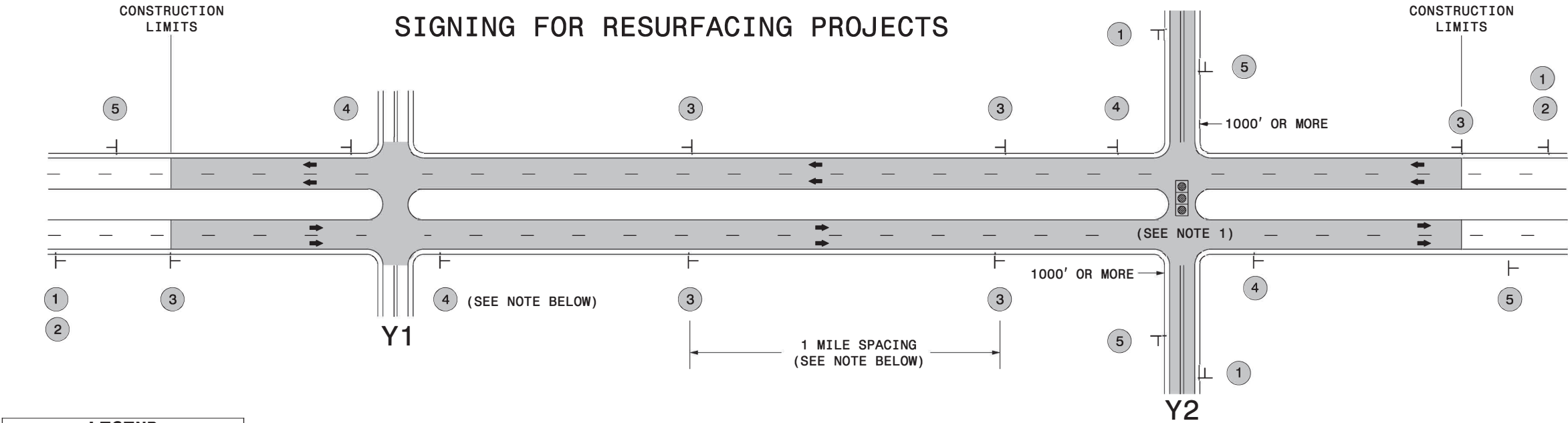
												1245000000-E	1260000000-E	1519000000-E	1520000000-E	1575000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX
								MI	FT			SMI	TON	TONS	TONS	TONS
2025CPT.14.13.10881	Transylvania	1	NC-281	FROM SR 1307 TO BRIDGE 74	1	2	2WU	1.66	20	4.47	2.81	3.22	1,162	1,725	1,350	200
TOTAL FOR MAP NO. 1								1.66				3.22	1,162	1,725	1,350	200
TOTAL FOR PROJ NO. 2025CPT.14.13.10881								1.66				3.22	1,162	1,725	1,350	200
GRAND TOTAL								1.66				3.22	1,162	1,725	1,350	200

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.13.10881	7	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL	4688000000-E THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(WHITE)	4688000000-E THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(YELLOW)
								MI	FT			SF	LS	LF	LF
2025CPT.14.13.10881	Transylvania	1	NC-281	FROM SR 1307 TO BRIDGE 74	1	2	2WU	1.66	20	4.47	2.81	185	1.00	17,324	17,324
TOTAL FOR MAP NO. 1								1.66				185	1.000	17,324	17,324
TOTAL FOR PROJ NO. 2025CPT.14.13.10881								1.66				185	1.000	17,324	17,324
GRAND TOTAL								1.66				185	1.000	17,324	17,324





**LEGEND**

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STATIONARY SIGN

→

DIRECTION OF TRAFFIC FLOW

**MAINLINE (-L-) SIGNING**

**-Y- LINE SIGNING**

SIGNING NOTES AND PLACEMENT PER DIRECTION	<div><div>1</div><div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div></div></div> <div><div>2</div><div><div>NEXT XX MILES</div><div>W7-3aP 24" X 18"</div></div></div> <div>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</div> <div>#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)</div>	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <div>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</div> <div>2) SUBDIVISION ROADS</div> <div>3) DEAD END ROADS</div> <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><div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div></div><div><div><div>ROAD WORK AHEAD</div><div>W20-7 A 48" X 48"</div></div></div><p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p><p><b>NOTES:</b></p><div>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.</div></div>
	<div><div>3</div><div><div>LOWSOFT SHOULDER</div><div>SP 13107 48" X 48"</div></div></div> <div>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</div>	
	<div><div>4</div><div><div>ROAD UNDER CONST</div><div>SP 13106 48" X 48"</div></div></div> <div>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.</div>	
	<div><div>5</div><div><div>END ROAD WORK</div><div>G20-2 A 48" X 24"</div></div></div> <div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</div>	



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