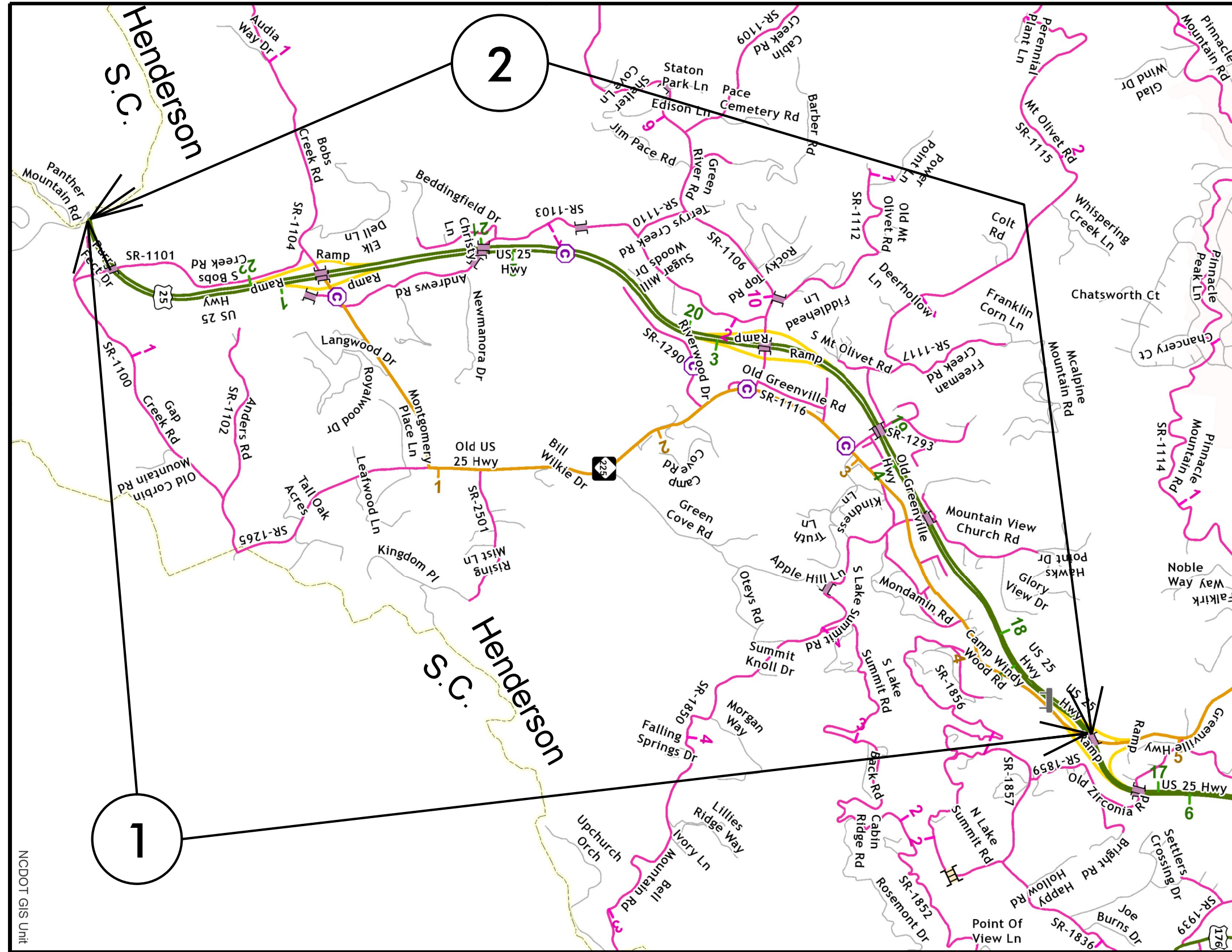


PROJECT REFERENCE NO.		SHEET NO.
2021CPT.14.11.10451		1
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
2021CPT.14.11.10451		

HENDERSON COUNTY

TIP PROJECT: NA

CONTRACT: C204600



MAP 1



BEG

END

MAP 2



BEG

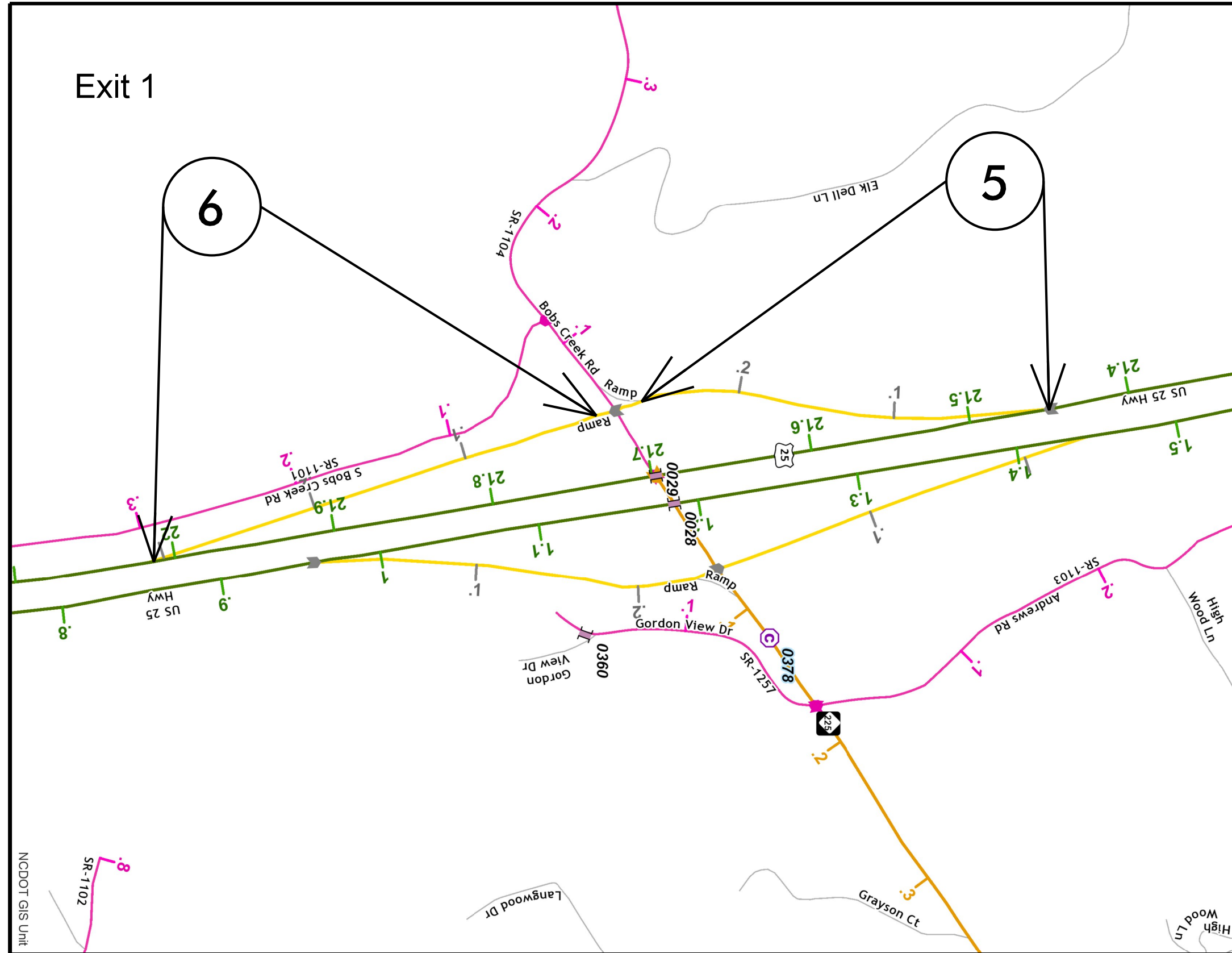
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PROJECT REFERENCE NO.		SHEET NO.
2021CPT.14.11.10451		3
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
2021CPT.14.11.10451		

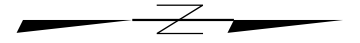
HENDERSON COUNTY

TIP PROJECT: N/A

CONTRACT: C204600



NCDOT GIS Unit



MAP 5



BEG

END

MAP 6



BEG

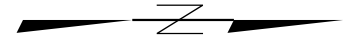
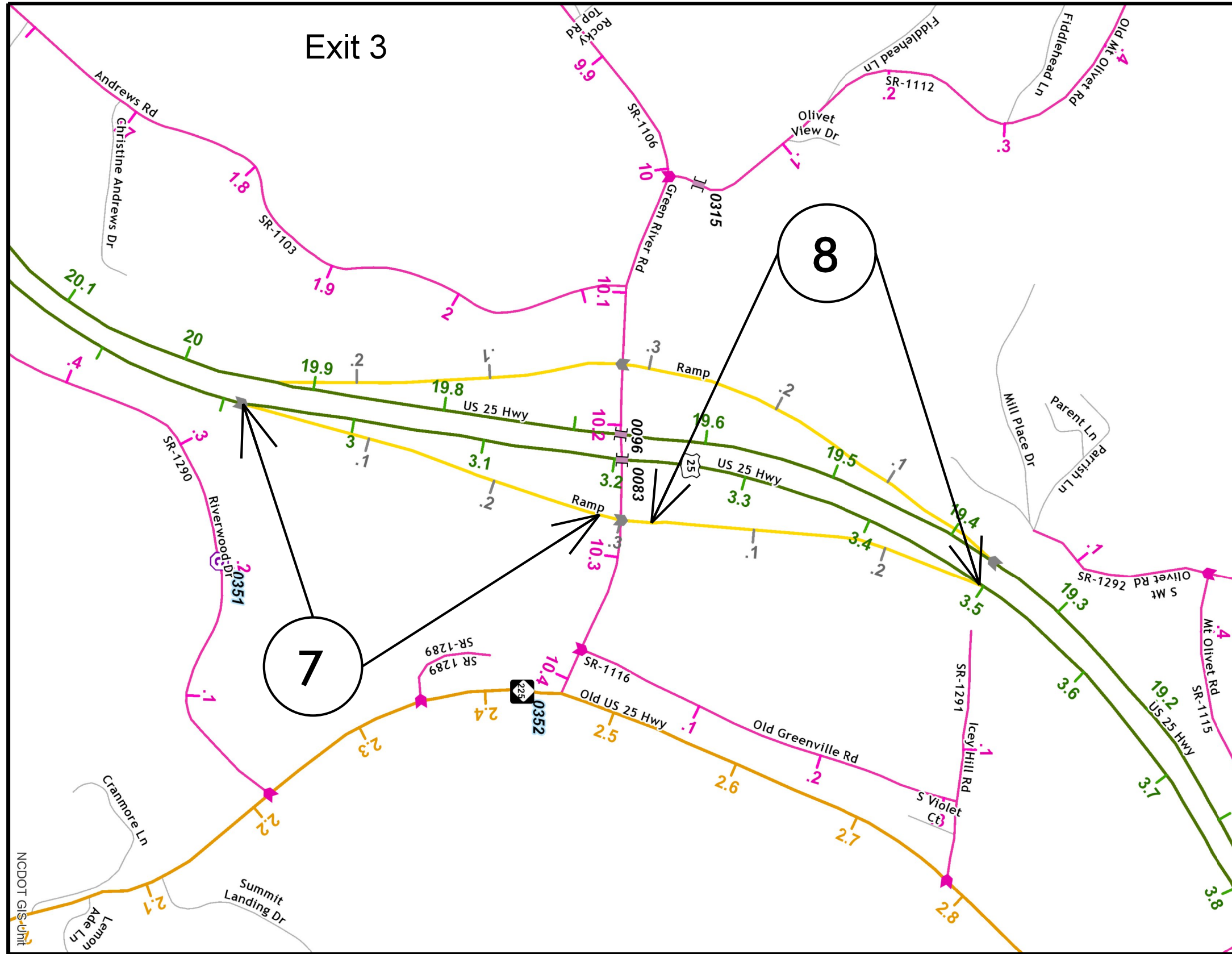
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PROJECT REFERENCE NO.		SHEET NO.
2021CPT.14.11.10451		4
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
2021CPT.14.11.10451		

HENDERSON COUNTY

TIP PROJECT: N/A

CONTRACT: C204600



MAP 7



BEG

END

MAP 8



BEG

END

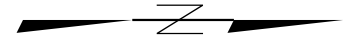
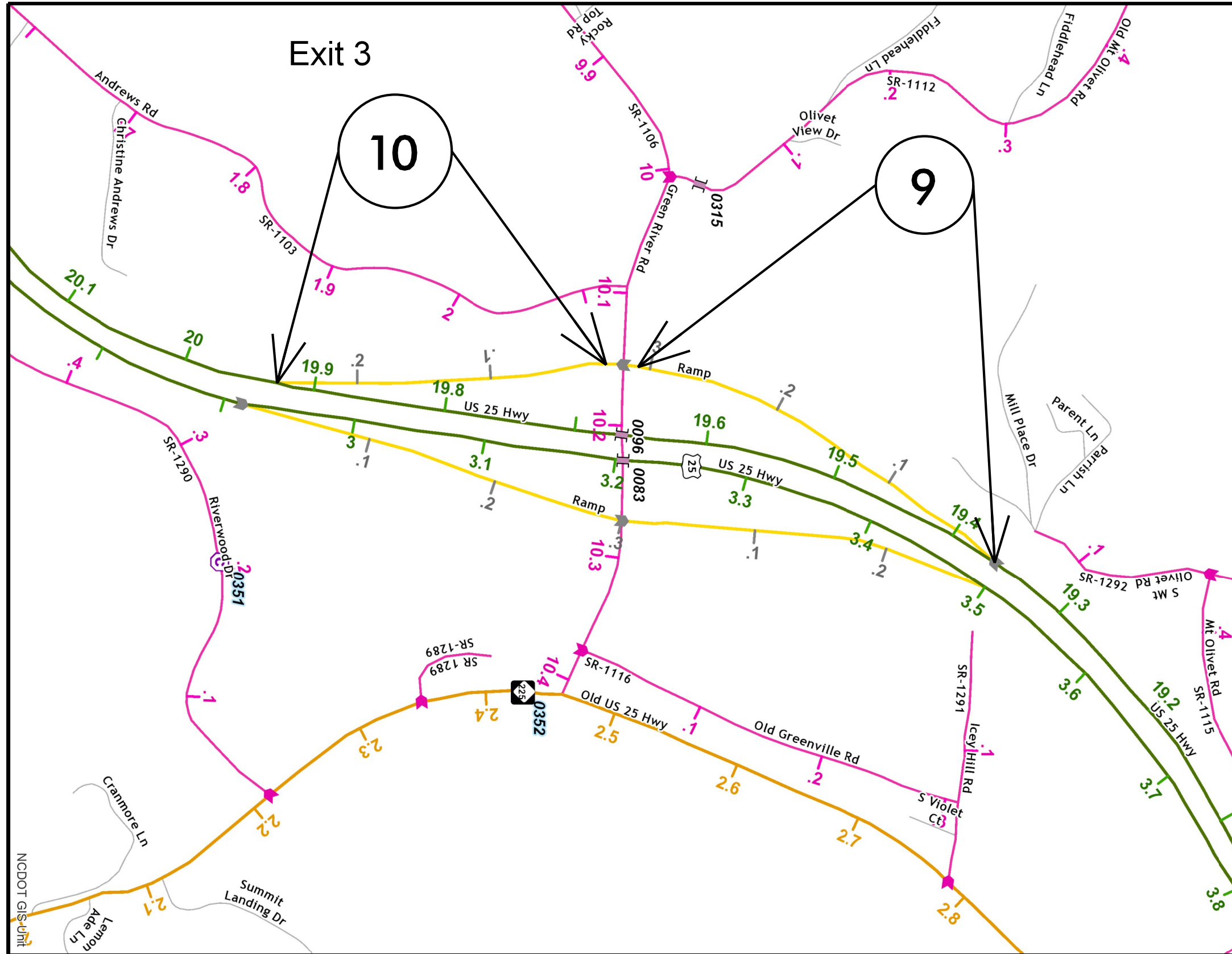
NCDOT GIS Unit

HENDERSON COUNTY

PROJECT REFERENCE NO.		SHEET NO.
2021CPT.14.11.10451		5
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
2021CPT.14.11.10451		

TIP PROJECT: N/A

CONTRACT: C204600



MAP 9



BEG

END

MAP 10



BEG

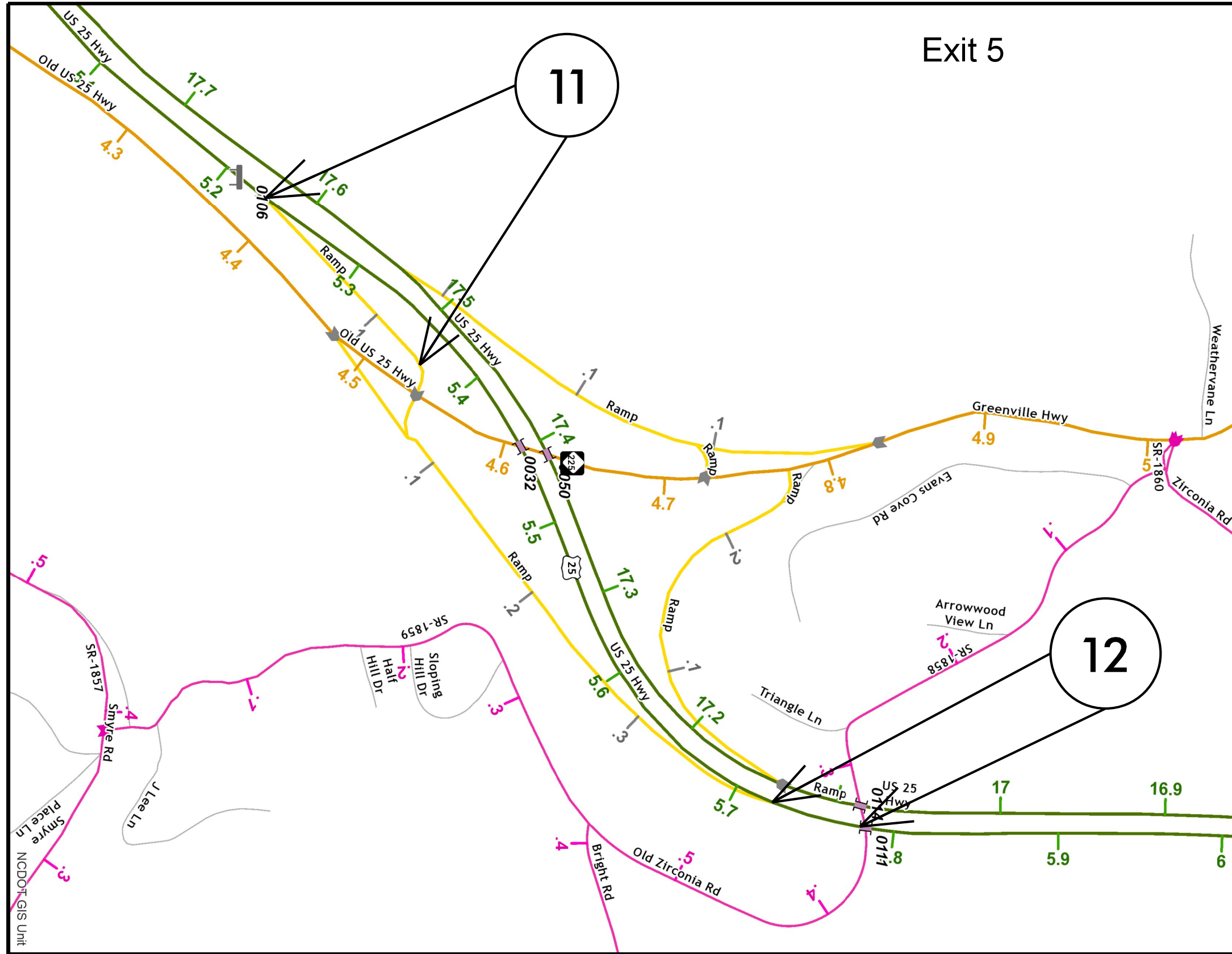
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PROJECT REFERENCE NO.		SHEET NO.
2021CPT.14.11.10451		6
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
2021CPT.14.11.10451		

HENDERSON COUNTY

TIP PROJECT: N/A

CONTRACT: C204600



MAP 11



BEG

END

MAP 12



BEG

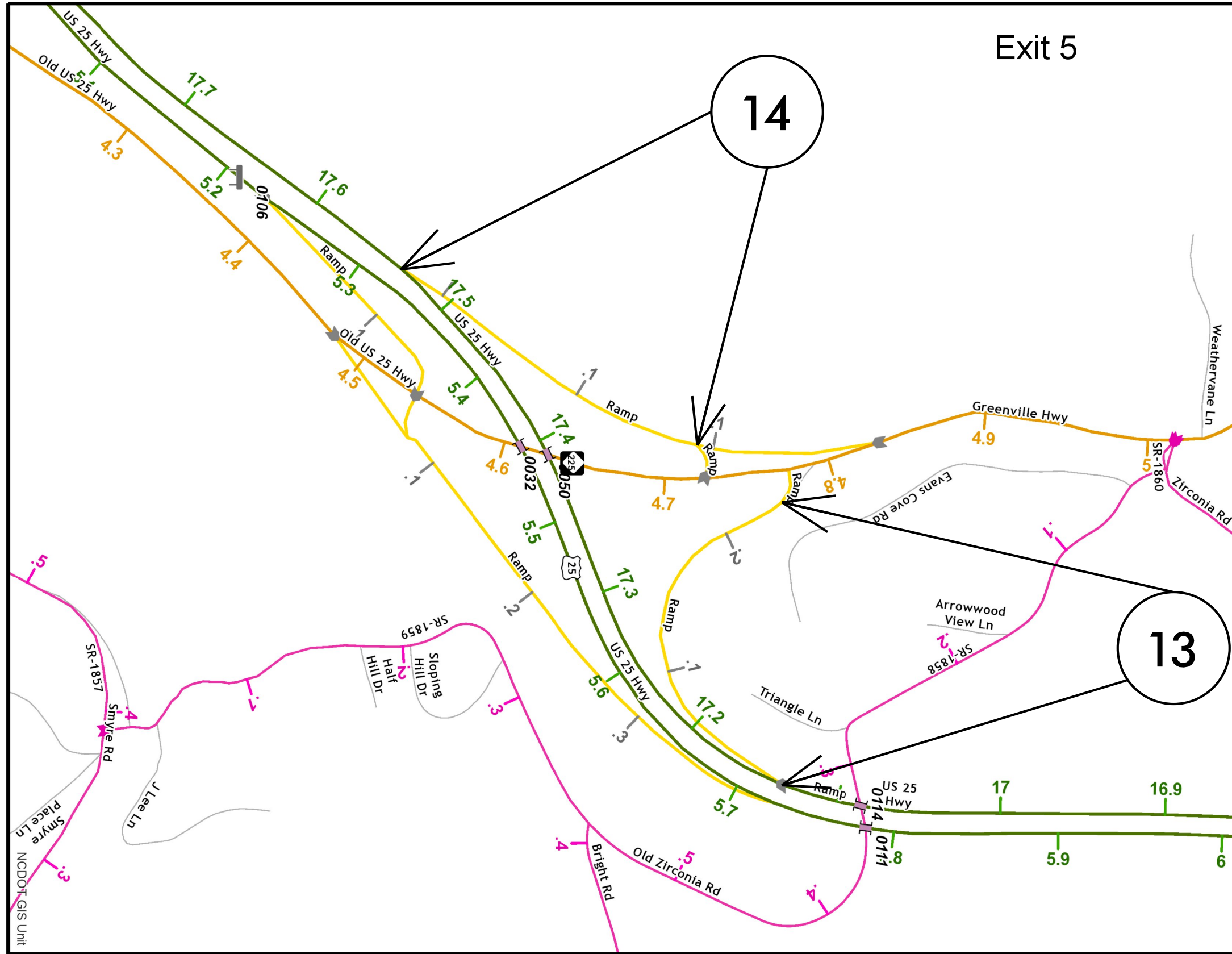
END

HENDERSON COUNTY

PROJECT REFERENCE NO.		SHEET NO.
2021CPT.14.11.10451		7
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
2021CPT.14.11.10451		

TIP PROJECT: N/A

CONTRACT: C204600



MAP 13



BEG

END

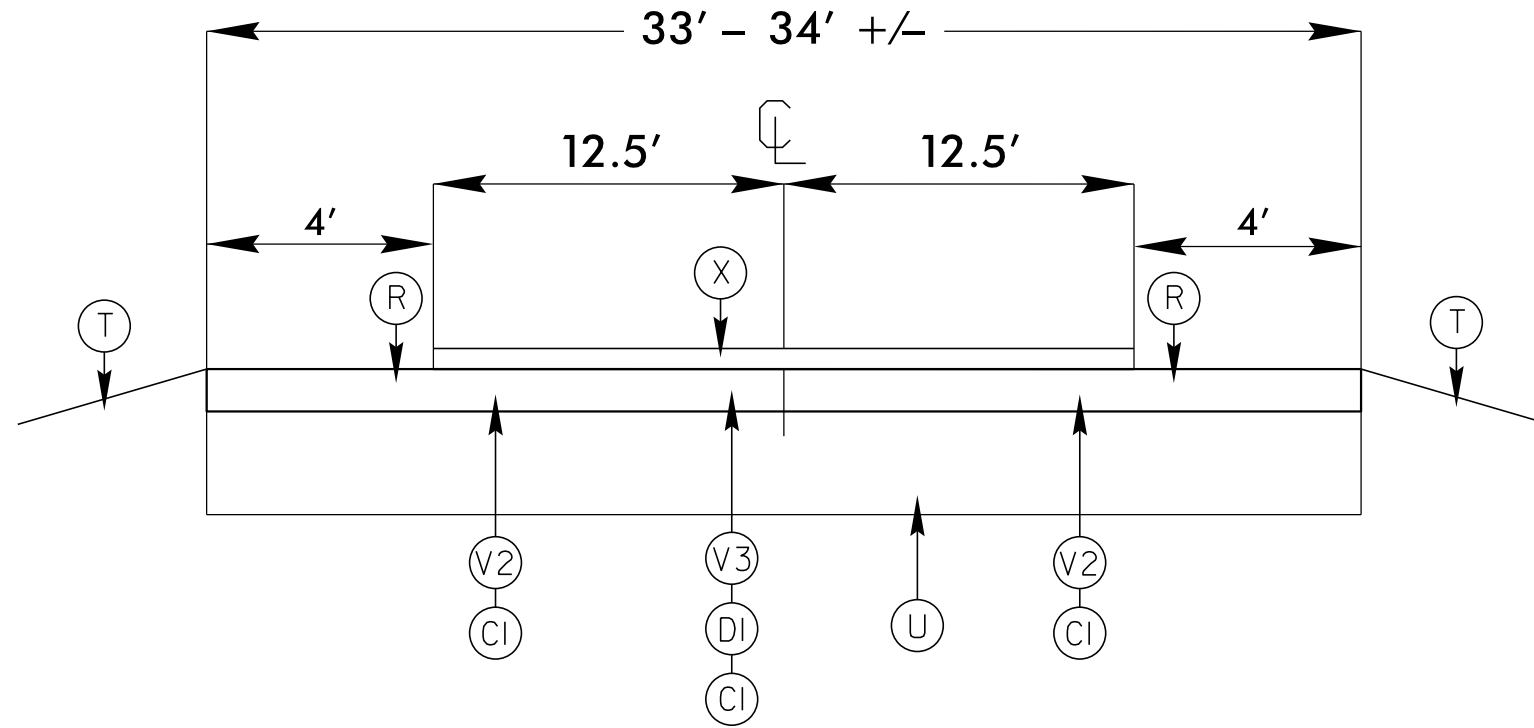
MAP 14



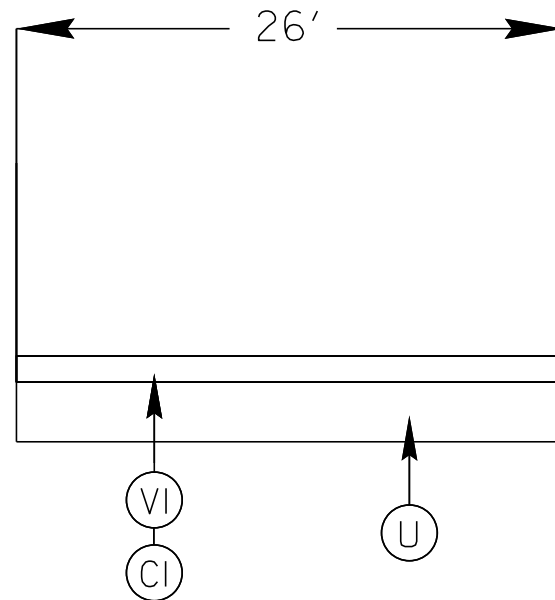
BEG

END

TYPICAL 1



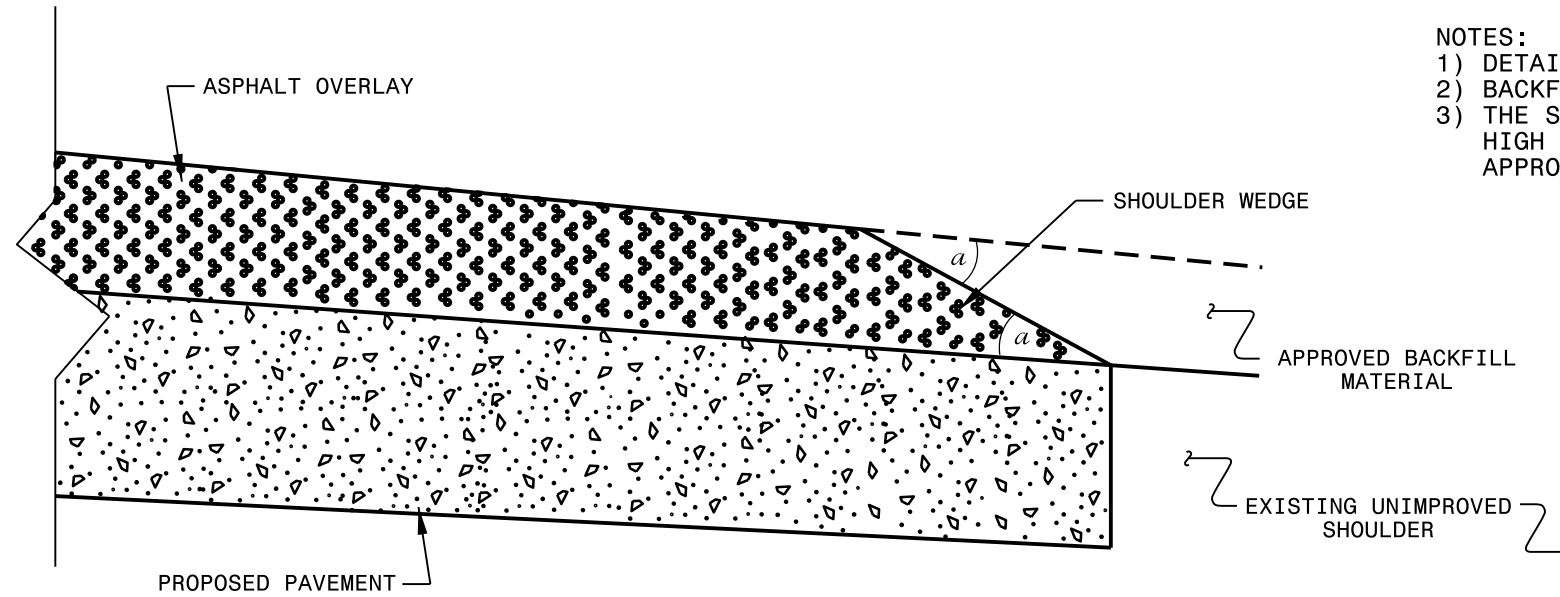
TYPICAL 2



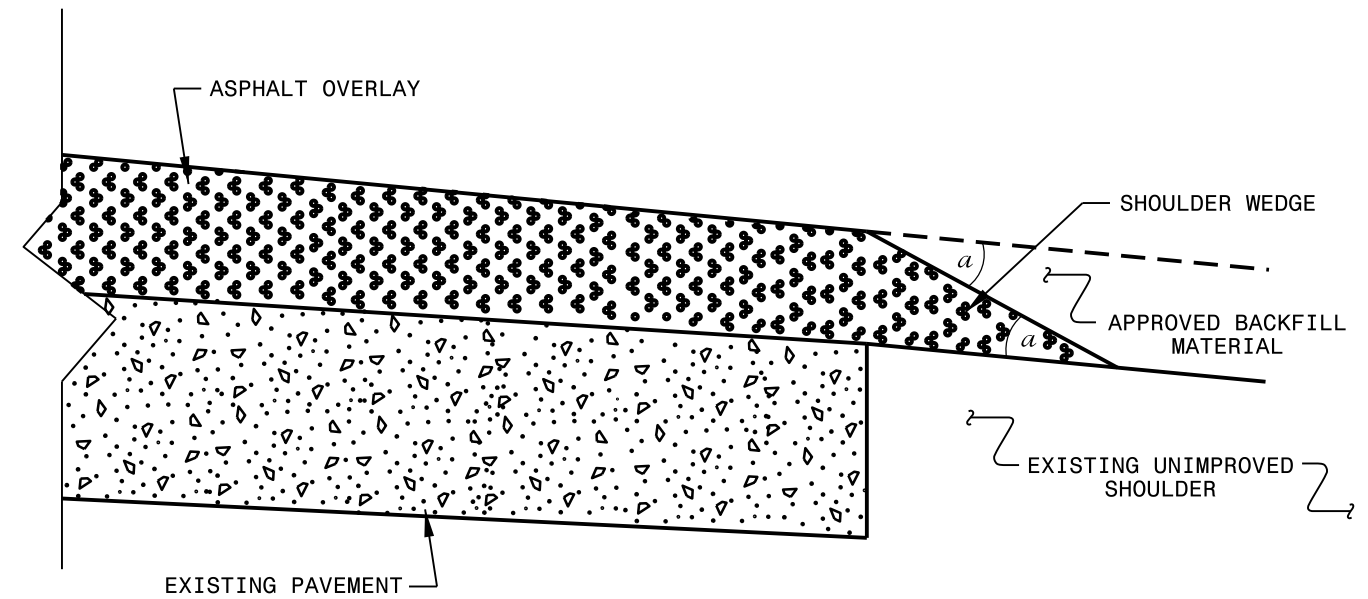
SURFACING SCHEDULE

ITEM NO.	DESCRIPTION
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
R	MILLED RUMBLE STRIPS
U	EXISTING ASPHALT
T	SHOULDER RECONSTRUCTION
V1	MILLED ASPHALT PAVEMENT 1 1/2" IN DEPTH.
V2	MILLED ASPHALT PAVEMENT 2" IN DEPTH IN CONTINUOUS LANE WIDTHS.
V3	MILLED ASPHALT PAVEMENT 4" IN DEPTH IN DISTRESSED AREAS AS DIRECTED BY PROJECT ENGINEER - SEE PROJECT SPECIAL PROVISIONS.
X	OPEN GRADE FRICTION COURSE TYPE FC-1 MOD AT AN AVERAGE RATE OF 90 LBS PER SQ. YD.

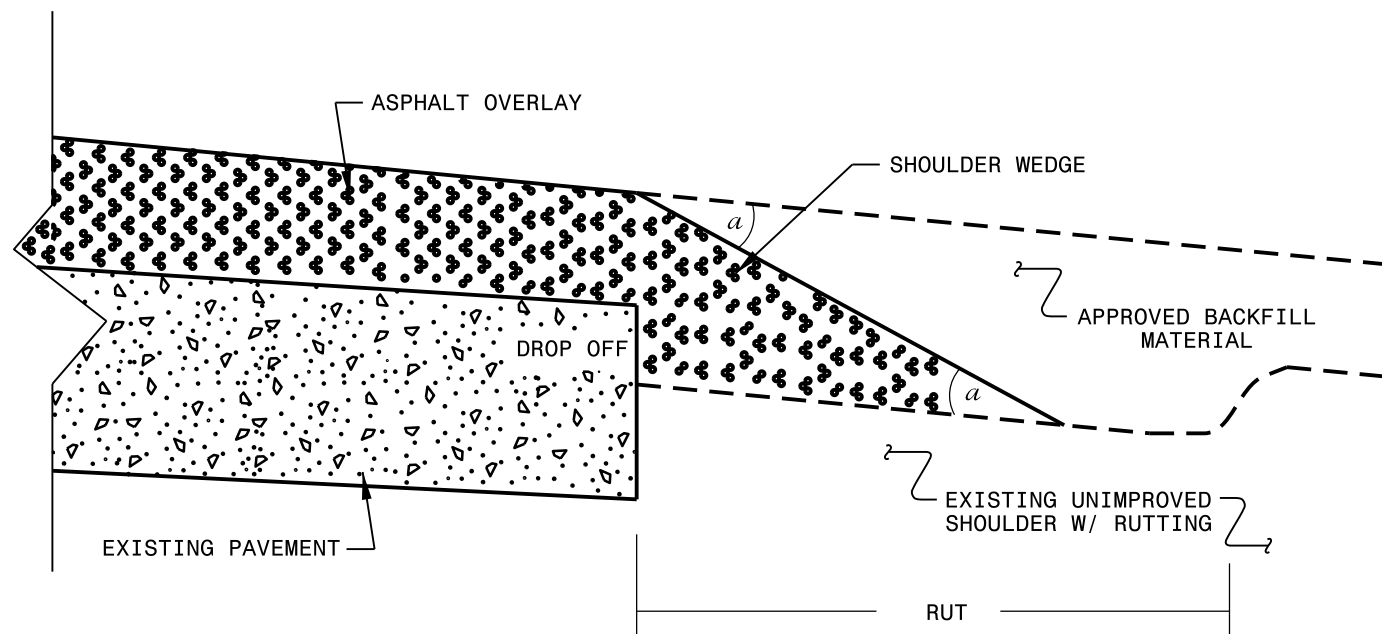
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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°

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: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\detatl1s\stand\shoulderwedgedeta11.dgn	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.14.11.10451	10	

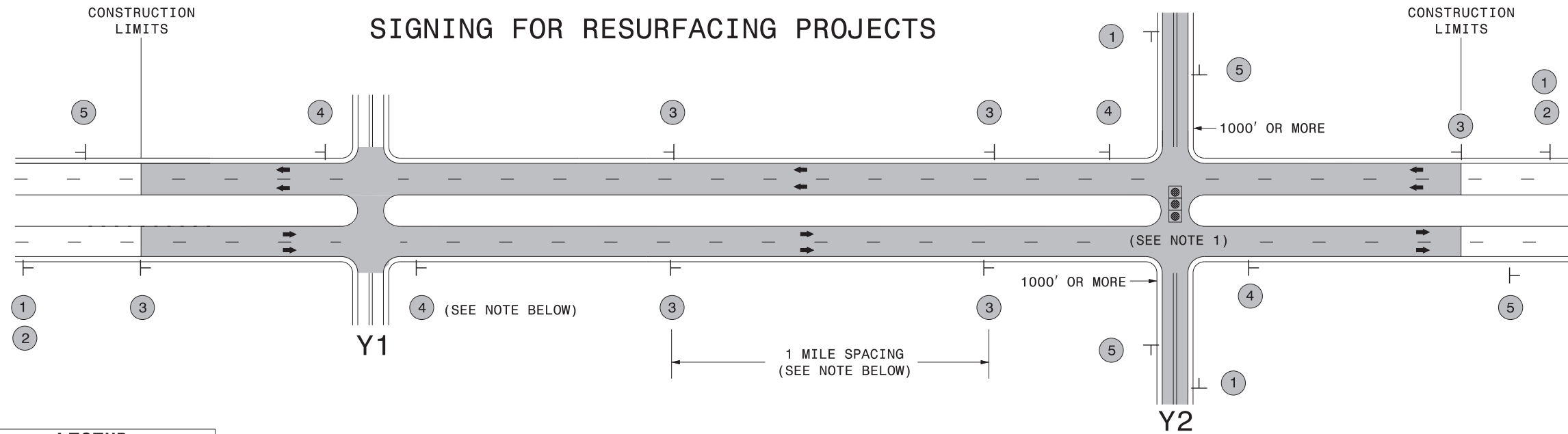
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1245000000-E	1297000000-E			1503000000-E	1523000000-E	1575000000-E	1577000000-E	1662000000-E	1840000000-E	8867000000-E	
												SHOULDER RECONSTRUCTION	4" MILLING	2" MILLING	1½" MILLING	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	ASPHALT PLUG JOINT REPAIR/REPLACEMENT (18"-24" WIDE, W/PLATE)	
											MI	FT	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TON	LF	LF
2021CPT.14.11.10451	Henderson	1	US 25 NORTH	FROM .003 MILES NORTH OF BRIDGE #114 TO SC	1	2	MD	YES	NO	5.81	34	5.25	6,000	115,890		875	11,378	725	258	4,229	61,354	250	
TOTAL FOR MAP NO. 1											5.81		5.25	6,000	115,890		875	11,378	725	258	4,229	61,354	250
2021CPT.14.11.10451	Henderson	2	US 25 SOUTH	FROM SC LINE TO BRIDGE #111	1	2	MD	YES	NO	5.765	34	3.38	6,000	114,993		875	10,664	682	256	4,196	60,878		
TOTAL FOR MAP NO. 2											5.765		3.38	6,000	114,993		875	10,664	682	256	4,196	60,878	
2021CPT.14.11.10451	Henderson	3	EXIT 1 RAMP	FROM NORTH TO US 225	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 3											0.25				3,813		354	21					
2021CPT.14.11.10451	Henderson	4	EXIT 1 RAMP	FROM US 225 TO US 25 NORTH	2	1		NO	NO	0.15	26			2,200		204	12						
TOTAL FOR MAP NO. 4											0.15				2,200		204	12					
2021CPT.14.11.10451	Henderson	5	EXIT 1 RAMP	FROM US 25 SOUTH TO SR 1104 /US 225	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 5											0.25				3,813		354	21					
2021CPT.14.11.10451	Henderson	6	EXIT 1 RAMP	ENTRANCE FROM SR-1104/US 225 TO US 25 SOUTH	2	1		NO	NO	0.3	26			4,576		425	25						
TOTAL FOR MAP NO. 6											0.3				4,576		425	25					
2021CPT.14.11.10451	Henderson	7	EXIT 3 RAMP	FROM US 25 NORTH TO SR-1106	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 7											0.25				3,813		354	21					
2021CPT.14.11.10451	Henderson	8	EXIT 3 RAMP	FROM SR-1106 TO US 25 NORTH	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 8											0.25				3,813		354	21					
2021CPT.14.11.10451	Henderson	9	EXIT 3 RAMP	FROM US 25 SOUTH TO SR-1106	2	1		NO	NO	0.3	26			4,576		425	25						
TOTAL FOR MAP NO. 9											0.3				4,576		425	25					
2021CPT.14.11.10451	Henderson	10	EXIT 3 RAMP	FROM SR-1106 TO US 25 SOUTH	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 10											0.25				3,813		354	21					
2021CPT.14.11.10451	Henderson	11	EXIT 5 RAMP	FROM US 25 NORTH TO .01 MILES SOUTH US 225	2	1		NO	NO	0.095	26			1,449		135	8						
TOTAL FOR MAP NO. 11											0.095				1,449		135	8					
2021CPT.14.11.10451	Henderson	12	EXIT 5 RAMP	FROM .02 MILES SOUTH OF US 25 TO US 25 NORTH	2	1		NO	NO	0.2	26			3,051		283	17						
TOTAL FOR MAP NO. 12											0.2				3,051		283	17					
2021CPT.14.11.10451	Henderson	13	EXIT 5 RAMP	FROM US 25 TO US 225	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 13											0.25				3,813		354	21					
2021CPT.14.11.10451	Henderson	14	EXIT 5 RAMP	FROM US 225 TO US 25 SOUTH	2	1		NO	NO	0.25	26			3,813		354	21						
TOTAL FOR MAP NO. 14											0.25				3,813		354	21					
TOTAL FOR PROJ NO. 2021CPT.14.11.10451											14.37		8.63	12,000	230,883	42,543	1,750	25,992	1,641	514	8,425	122,232	250
GRAND TOTAL											14.37		8.63	12,000	230,883	42,543	1,750	25,992	1,641	514	8,425	122,232	250

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.14.11.10451	11	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4688000000-E	4695000000-E	4700000000-E	4725000000-E	4815000000-E		4895000000-N					
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	12" X 90 M WHITE THERMO	THERMO STR ARROW 90 M	6" WHITE PAINT	6" YELLOW PAINT	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS				
										MI	FT	SF	LS	LF	LF	LF	LF	EA	LF	LF	EA		
2021CPT.14.11.10451	Henderson	1	US 25 NORTH	FROM .003 MILES NORTH OF BRIDGE #114 TO SC	1	2	MD	5.81	34	907													
TOTAL FOR MAP NO. 1								5.81		907													
2021CPT.14.11.10451	Henderson	2	US 25 SOUTH	FROM SC LINE TO BRIDGE #111	1	2	MD	5.765	34	907													
TOTAL FOR MAP NO. 2								5.765		907													
2021CPT.14.11.10451	Henderson	3	EXIT 1 RAMP	FROM NORTH TO US 225	2	1		0.25	26	16													
TOTAL FOR MAP NO. 3								0.25		16													
2021CPT.14.11.10451	Henderson	4	EXIT 1 RAMP	FROM US 225 TO US 25 NORTH	2	1		0.15	26	32													
TOTAL FOR MAP NO. 4								0.15		32													
2021CPT.14.11.10451	Henderson	5	EXIT 1 RAMP	FROM US 25 SOUTH TO SR 1104 /US 225	2	1		0.25	26	16													
TOTAL FOR MAP NO. 5								0.25		16													
2021CPT.14.11.10451	Henderson	6	EXIT 1 RAMP	ENTRANCE FROM SR-1104/US 225 TO US 25 SOUTH	2	1		0.3	26	32													
TOTAL FOR MAP NO. 6								0.3		32													
2021CPT.14.11.10451	Henderson	7	EXIT 3 RAMP	FROM US 25 NORTH TO SR-1106	2	1		0.25	26	16													
TOTAL FOR MAP NO. 7								0.25		16													
2021CPT.14.11.10451	Henderson	8	EXIT 3 RAMP	FROM SR-1106 TO US 25 NORTH	2	1		0.25	26	32													
TOTAL FOR MAP NO. 8								0.25		32													
2021CPT.14.11.10451	Henderson	9	EXIT 3 RAMP	FROM US 25 SOUTH TO SR-1106	2	1		0.3	26	16													
TOTAL FOR MAP NO. 9								0.3		16													
2021CPT.14.11.10451	Henderson	10	EXIT 3 RAMP	FROM SR-1106 TO US 25 SOUTH	2	1		0.25	26	32													
TOTAL FOR MAP NO. 10								0.25		32													
2021CPT.14.11.10451	Henderson	11	EXIT 5 RAMP	FROM US 25 NORTH TO .01 MILES SOUTH US 225	2	1		0.095	26	16													
TOTAL FOR MAP NO. 11								0.095		16													
2021CPT.14.11.10451	Henderson	12	EXIT 5 RAMP	FROM .02 MILES SOUTH OF US 25 TO US 25 NORTH	2	1		0.2	26	32													
TOTAL FOR MAP NO. 12								0.2		32													
2021CPT.14.11.10451	Henderson	13	EXIT 5 RAMP	FROM US 25 TO US 225	2	1		0.25	26	16													
TOTAL FOR MAP NO. 13								0.25		16													
2021CPT.14.11.10451	Henderson	14	EXIT 5 RAMP	FROM US 225 TO US 25 SOUTH	2	1		0.25	26	16													
TOTAL FOR MAP NO. 14								0.25		16													
TOTAL FOR PROJ NO. 2021CPT.14.11.10451								14.37		2,086	1	107,074	95,971	755	6,436	34	108,300	85,536	1,124				
										203,045		193,836											
GRAND TOTAL								14.37		2,086	1	107,074	95,971	755	6,436	34	108,300	85,536	1,124				
										203,045		193,836											

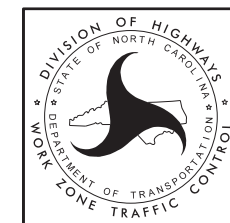


LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1	 W20-1 48" X 48"	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"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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;"> <div style="text-align: center;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 W7-3aP 24" X 18"	#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)	
	3	 SP 13107 48" X 48"	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.	
	4	 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.	
5	 G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.		
			<p>NOTES:</p> <ol style="list-style-type: none"> 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. 	



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