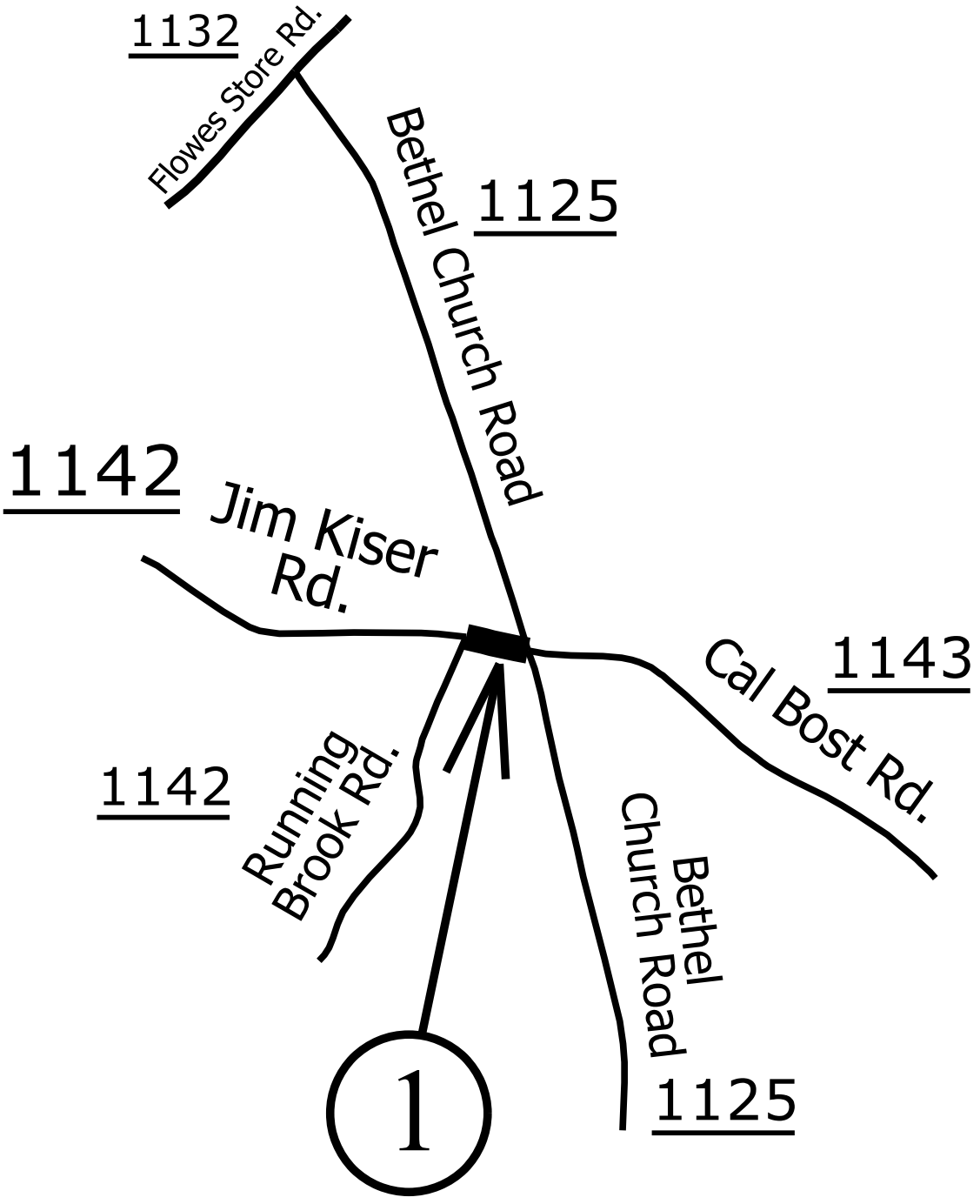


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	1	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

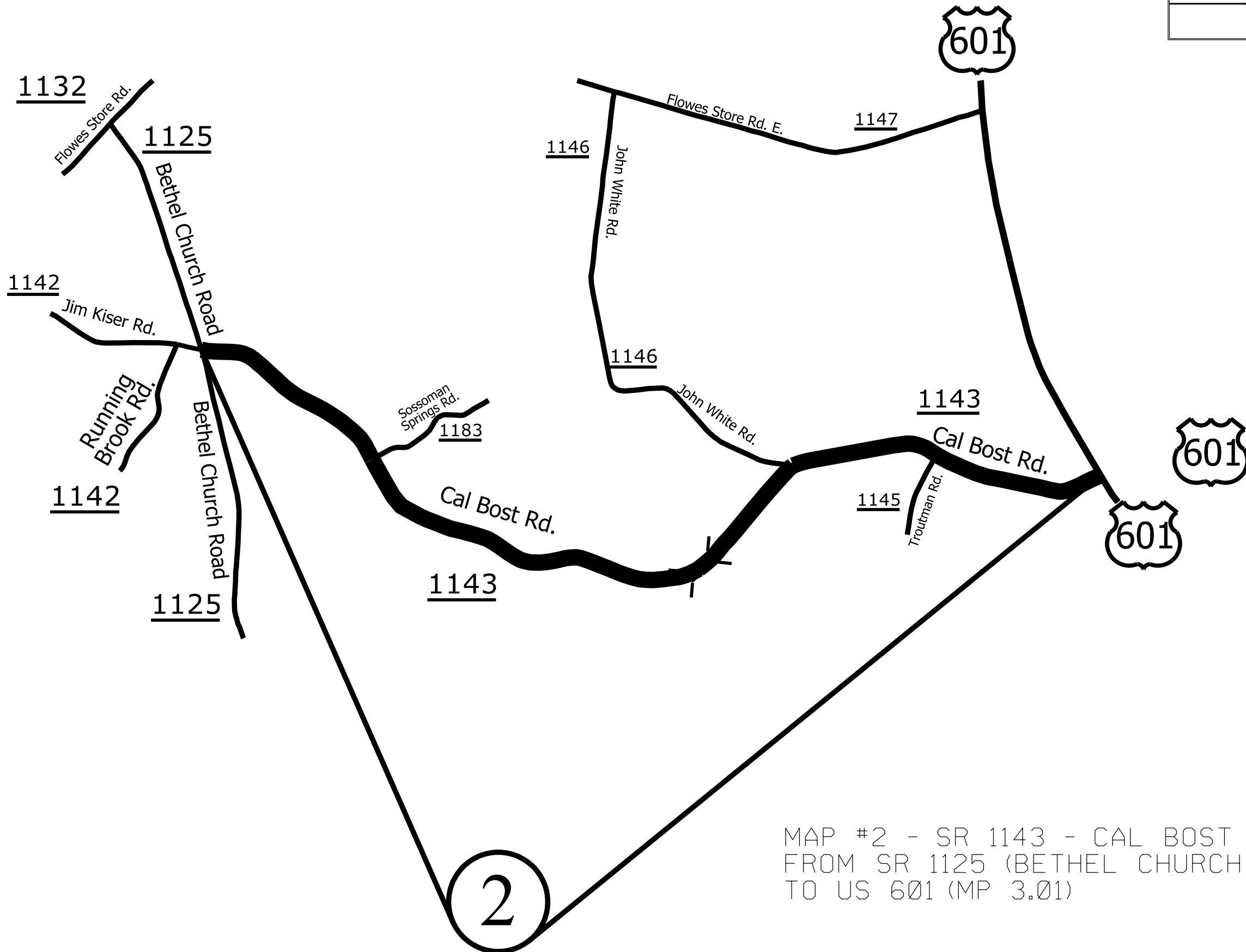


MAP #1 - SR 1143 - JIM KISER ROAD 0.07 MILES  
 FROM SR 1142 (RUNNING BROOK ROAD) (MP 0.00)  
 TO SR 1125 (BETHEL CHURCH ROAD) (MP 0.07)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	2	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

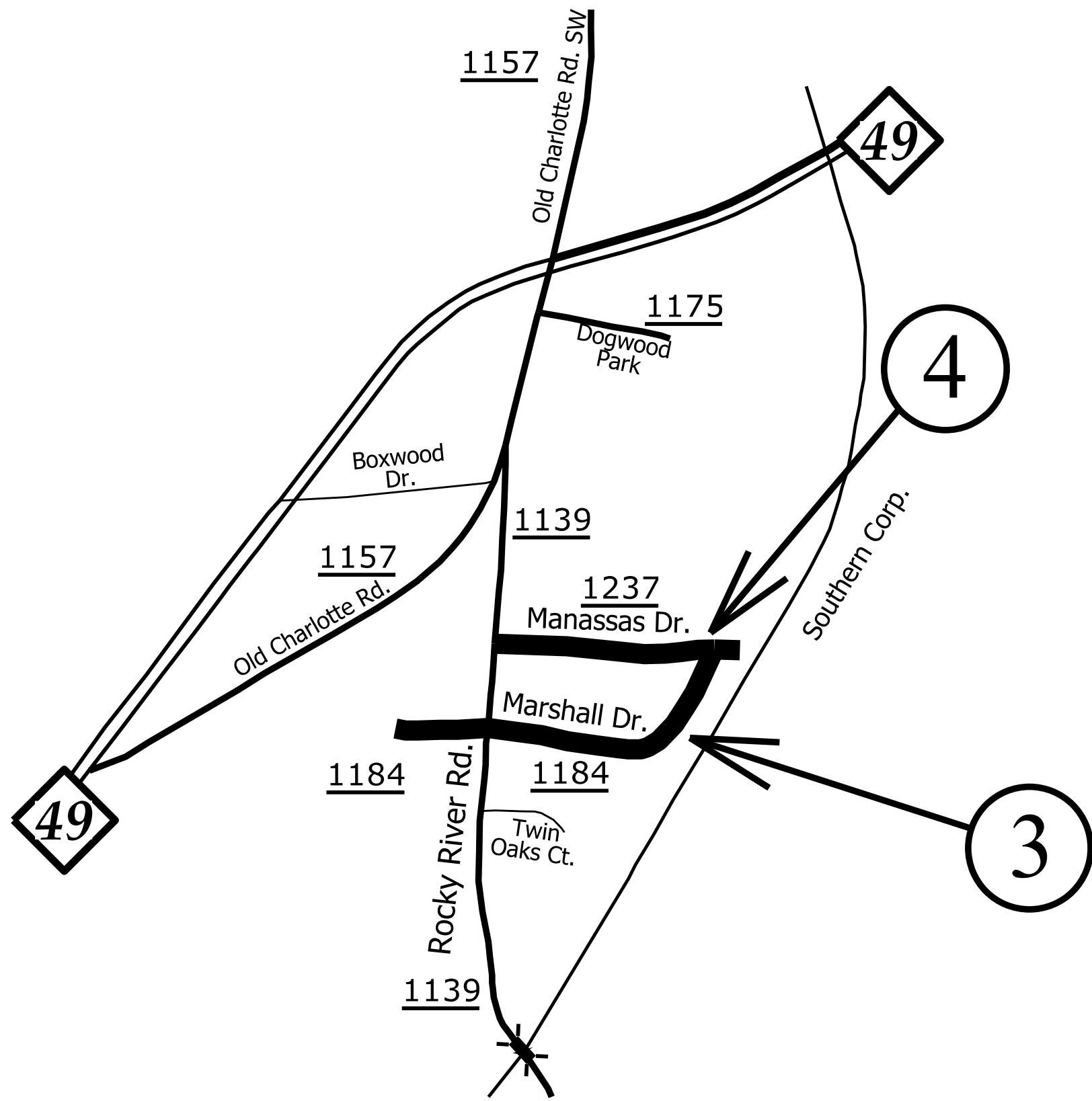


MAP #2 - SR 1143 - CAL BOST ROAD 2.93 MILES  
 FROM SR 1125 (BETHEL CHURCH ROAD) (MP 0.08)  
 TO US 601 (MP 3.01)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	3	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY:  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



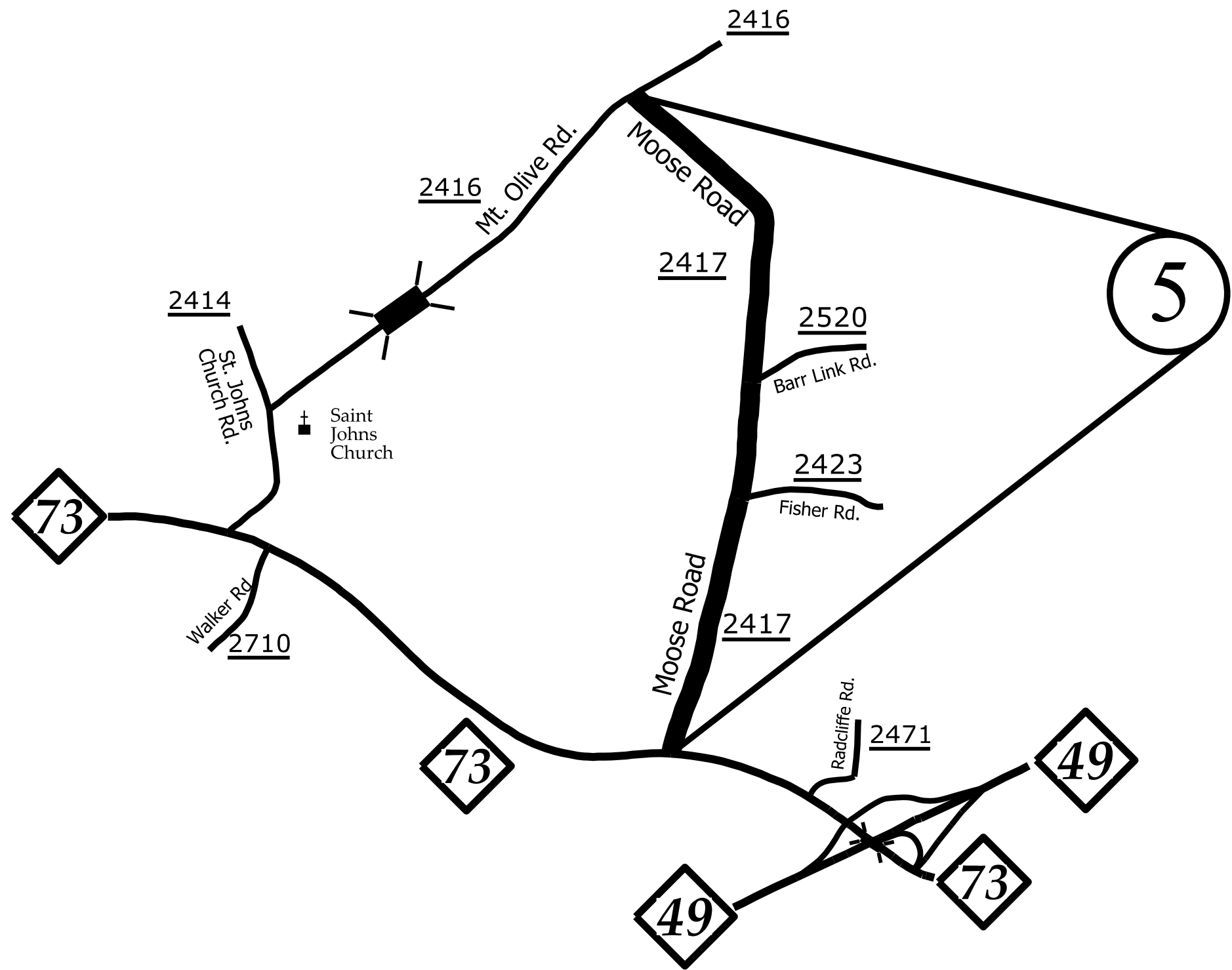
MAP #3 - SR 1184 - MARSHALL DRIVE 0.40 MILES  
 FROM SR 1237 (MANASSAS DRIVE) (MP 0.00)  
 TO DEAD END (MP 0.40)

MAP #4 - SR 1237 - MANASSAS DRIVE 0.25 MILES  
 FROM SR 1139 (ROCKY RIVER ROAD) (MP 0.00)  
 TO DEAD END (MP 0.25)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	4	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

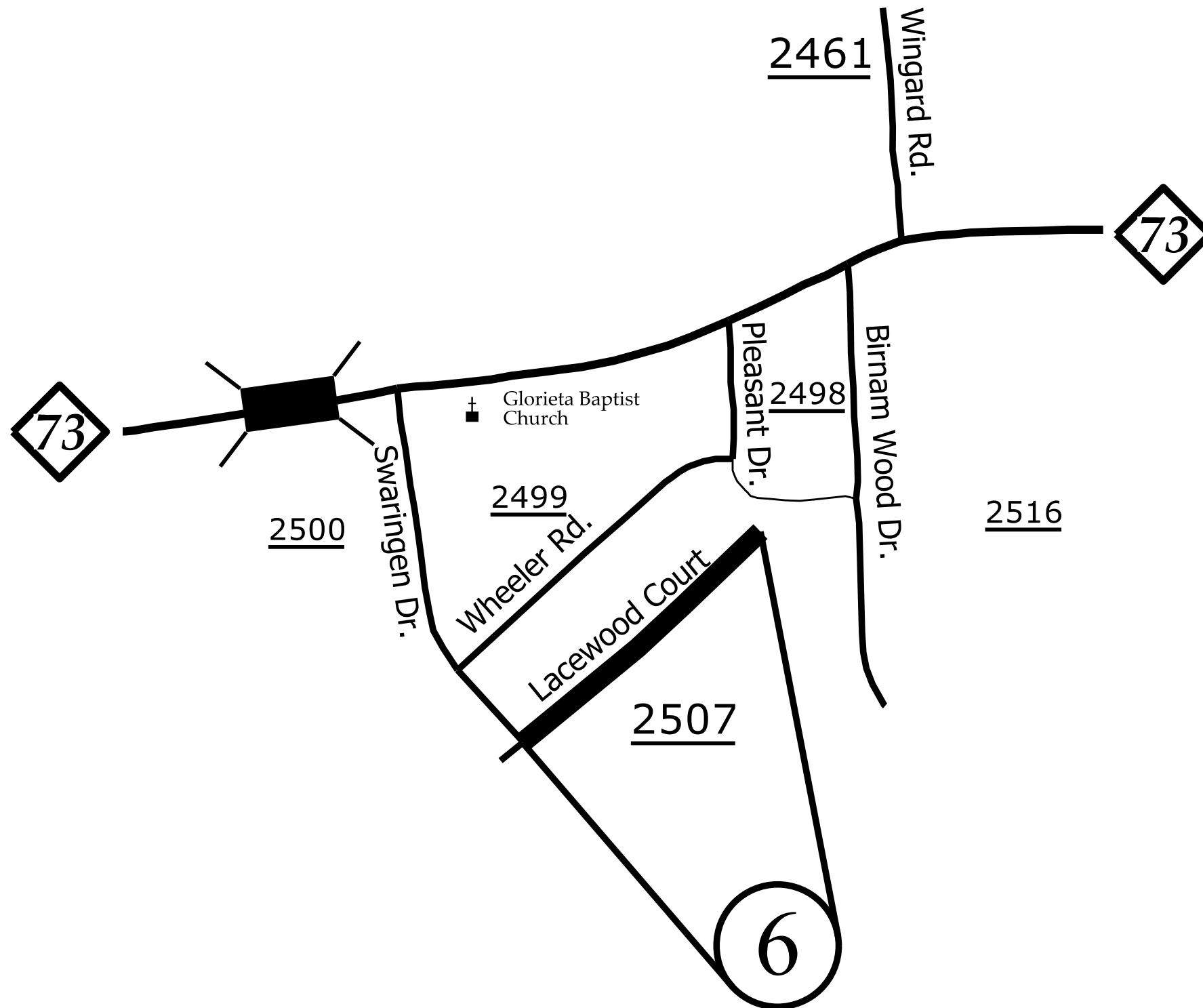


MAP #5 - SR 2417 - MOOSE ROAD 1.57 MILES  
 FROM NC 73 (MP 0.00)  
 TO SR 2416 (MT. OLIVE ROAD) (MP 1.57)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	5	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

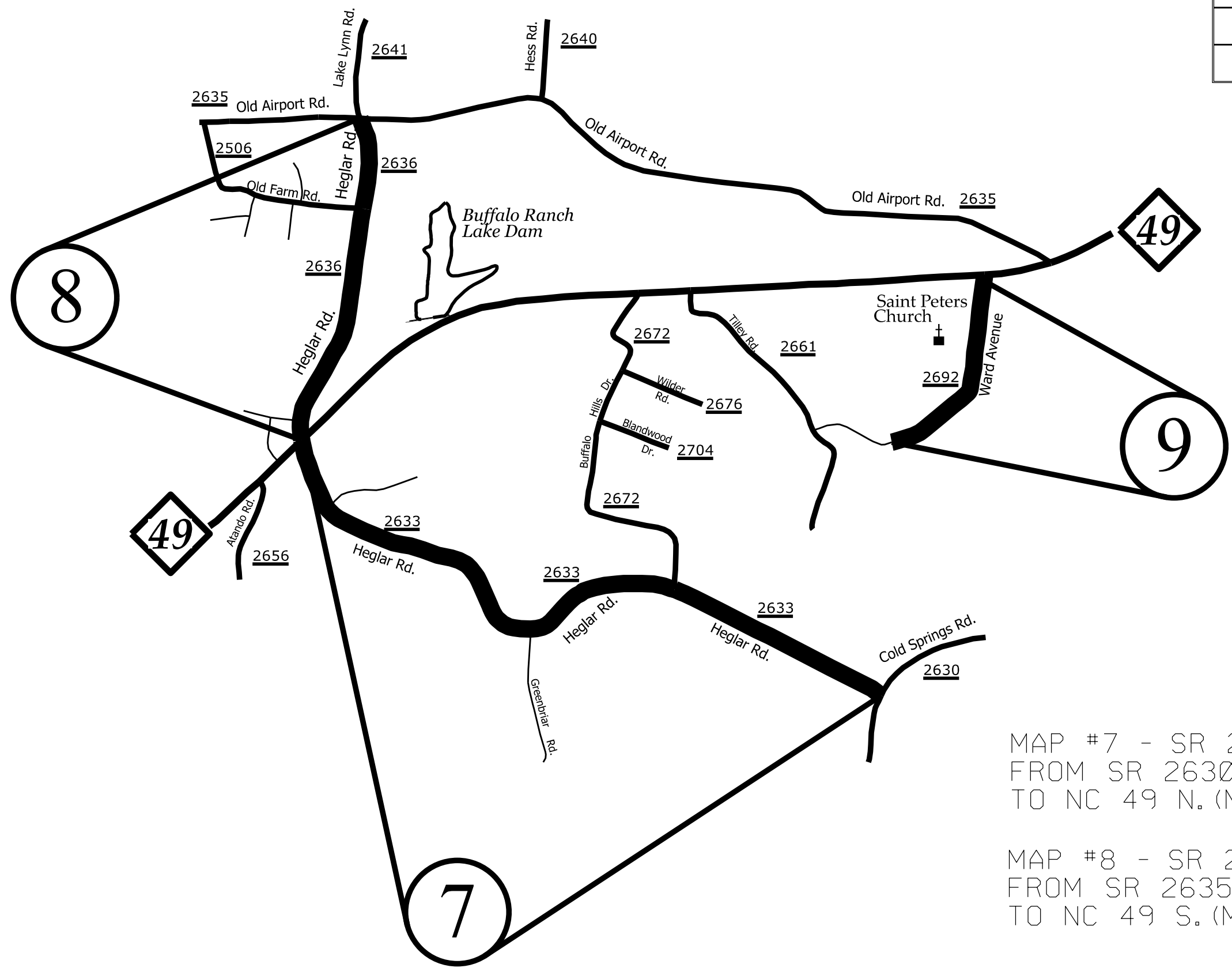


MAP #6 - SR 2507 - LACEWOOD COURT 0.26 MILES  
 FROM SR 2500 (SWARINGEN DRIVE) (MP 0.00)  
 TO DEAD END (MP 0.26)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	6	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**CABARRUS COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



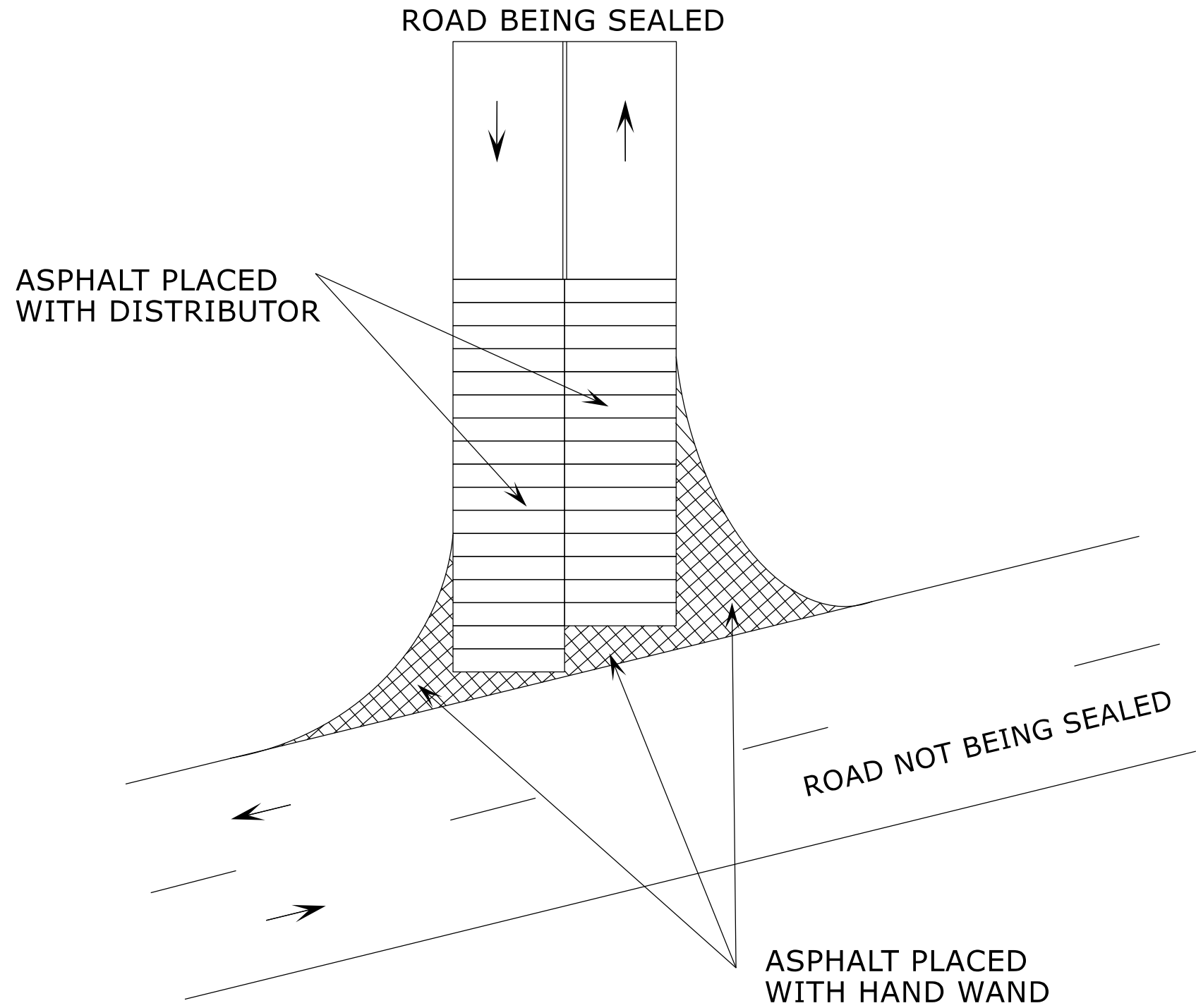
MAP #7 - SR 2633 - HEGLAR ROAD 1.63 MILES  
 FROM SR 2630 (COLD SPRINGS RD. S.) (MP 0.00)  
 TO NC 49 N. (MP 1.63)

MAP #8 - SR 2636 - HEGLAR ROAD 0.78 MILES  
 FROM SR 2635 (OLD AIRPORT ROAD) (MP 0.00)  
 TO NC 49 S. (MP 0.78)

MAP #9 - SR 2692 - WARD AVENUE 0.49 MILES  
 FROM NC 49 (MP 0.00)  
 TO END MAINTENANCE (MP 0.49)

# INTERSECTION EMULSION PLACEMENT TWO LANE TWO WAY ROADWAY

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	7	10
F.A. PROJECT NO.			



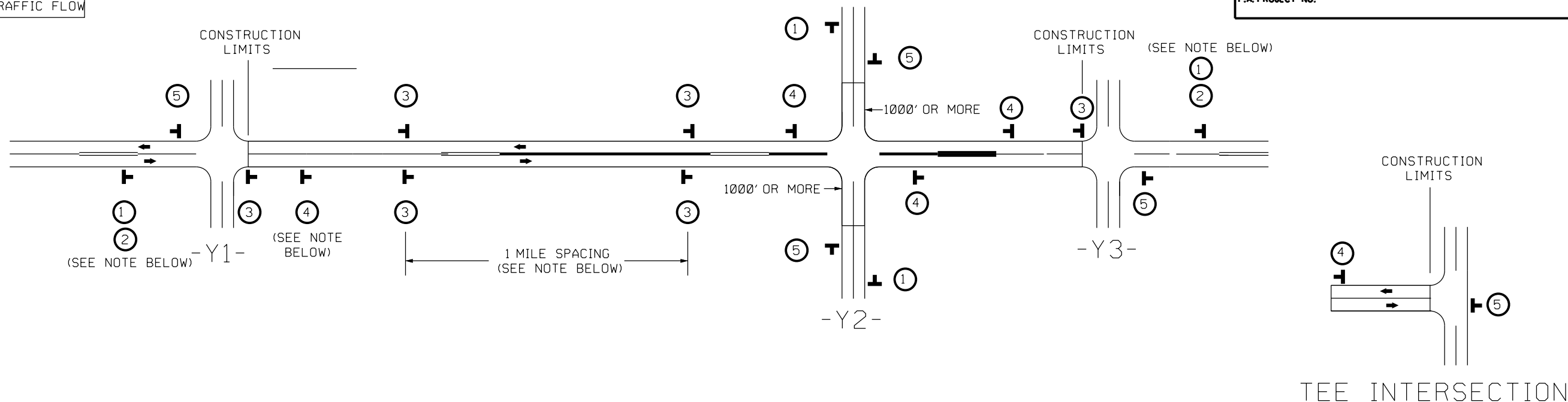
### LEGEND

- DIRECTION OF TRAFFIC FLOW
- SKIP LINES
- == DOUBLE YELLOW LINES

# SIGNING FOR ASPHALT SURFACE TREATMENT

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.12.20132	8	10
F.A. PROJECT NO.			

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 CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</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> PLACED 500' IN ADVANCE OF FLAGGER.	
	 	<p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT"</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>		 PLACED 250' IN ADVANCE OF FLAGGER.
		<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- 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>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>		
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>		
	<p>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.</p>			

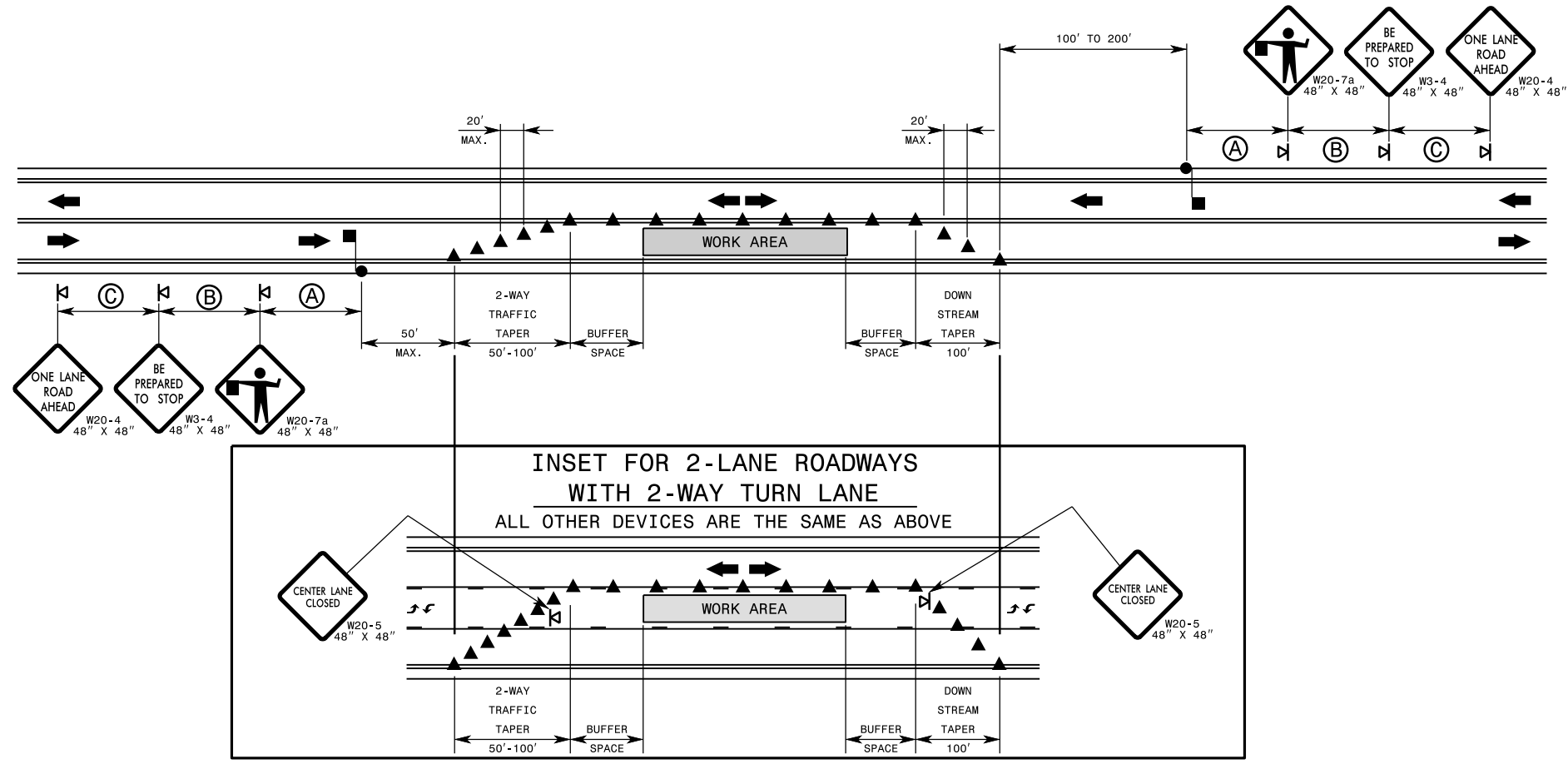
MAPS LESS THAN 2 MILES

FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.



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





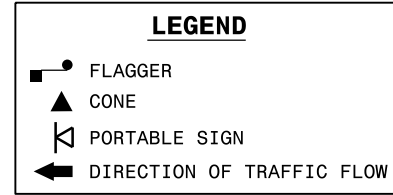
**GENERAL NOTES FOR FLAGGING OPERATIONS**

- 1- REFER TO RSD. 1101.11, SHEETS 1 & 4, FOR "L" DISTANCE AND SIGN SPACING.
- 2- INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC.
- 3- REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 4- PLACE CONES THRU THE WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- 5- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER (REFER TO RSD. 1101.11, SHEET 2).
- 6- DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
- 7- DRUMS OR SKINNY DRUMS MAY BE USED IN LIEU OF CONES. REFER TO RSD. 1180.01 FOR SKINNY DRUM REQUIREMENTS.
- 8- USE FLAGGERS TO CONTROL TRAFFIC AT INTERSECTIONS AFFECTED BY THE LANE CLOSURE. SUPPLEMENT FLAGGERS LOCATED AT INTERSECTIONS WITH FLAGGER AHEAD SIGNS (W20-7a) PLACED APPROXIMATELY 250 FT. IN ADVANCE OF THE FLAGGER. FOR SIGNALIZED INTERSECTIONS PLACE SIGNALS IN THE FLASH MODE AND USE LAW ENFORCEMENT.
- 9- REFER TO THE CURRENT MUTCD FOR FLAGGER CONTROL, REQUIREMENTS, AND PROCEDURES.
- 10- DO NOT EXCEED A 1 MILE LANE CLOSURE LENGTH UNLESS OTHERWISE SHOWN IN THE TMP OR AS DIRECTED BY THE ENGINEER.

- 11- IF VEHICLE QUEUES WILL REACH WITHIN 15' OF EITHER SIDE OF ACTIVE RAILROAD TRACKS, PROVIDE A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER TO PREVENT VEHICLES FROM STOPPING WITHIN THE GRADE CROSSING. PROVIDE OFFICER OR FLAGGER EVEN IF AUTOMATIC WARNING MEASURES ALREADY EXIST.

**GENERAL NOTES FOR PILOT CAR OPERATIONS**

- 1- USE PILOT CARS WHEN DIRECTED BY THE ENGINEER.
- 2- IF ROADWAY WIDTH IS LESS THAN 22 FEET (EOP TO EOP), CONES MAY NOT BE REQUIRED ALONG WORK AREA, AND AT THE DISCRETION OF THE ENGINEER, CONES MAY BE OMITTED ALONG THE WORK AREA IF USING A PILOT CAR.
- 3- CONES ARE ALWAYS REQUIRED IN THE UPSTREAM AND DOWNSTREAM TAPERS.
- 4- MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A CONSPICUOUS POSITION ON THE REAR OF THE PILOT VEHICLE.
- 5- DO NOT INSTALL MORE THAN ONE (1) MILE OF LANE CLOSURE, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- 6- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.



PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.12.20132	10	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	BEGIN MP	END MP	1803500000-E	1820000000-E	1838000000-E	1838500000-N	2143000000-E	4413000000-E	4457000000-N				
														ASPHALT SURFACE TREATMENT, DOUBLE SEAL	ASPHALT SURFACE TREATMENT, FOG SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK	BLOTTING SAND	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL				
														MI	FT			SY	SY	GAL	WK	TON	SF	LS
2024CPT.10.12.20132	Cabarrus	1	SR-1143 - JIM KISER RD 40001143013	FROM SR 1142 (RUNNING BROOK ROAD) (MP 0.00) TO SR 1125 (BETHEL CHURCH ROAD) (MP 0.07)		2		NO	NO	0.07	20	0	0.07	1,155	1,155	775	0.20	0.50	80.0	0.01				
<b>TOTAL FOR MAP NO. 1</b>										<b>0.07</b>				<b>1,155</b>	<b>1,155</b>	<b>775</b>	<b>0.20</b>	<b>0.50</b>	<b>80.0</b>	<b>0.01</b>				
2024CPT.10.12.20132	Cabarrus	2	SR-1143 - CAL BOST RD 40001143013	FROM SR 1125 (BETHEL CHURCH ROAD) (MP 0.08) TO US 601 (MP 3.01)		2		NO	NO	2.93	20	0.08	3.01	35,410	35,410	23,725	0.80	0.50	352.0	0.35				
<b>TOTAL FOR MAP NO. 2</b>										<b>2.93</b>				<b>35,410</b>	<b>35,410</b>	<b>23,725</b>	<b>0.80</b>	<b>0.50</b>	<b>352.0</b>	<b>0.35</b>				
2024CPT.10.12.20132	Cabarrus	3	SR-1184 - MARSHALL DR 40001184	FROM SR 1237 (MANASSAS DRIVE) (MP 0.00) TO DEAD END (MP 0.40)		2		NO	NO	0.40	20	0	0.4	4,986	4,986	3,345	0.20	0.50	80.0	0.05				
<b>TOTAL FOR MAP NO. 3</b>										<b>0.40</b>				<b>4,986</b>	<b>4,986</b>	<b>3,345</b>	<b>0.20</b>	<b>0.50</b>	<b>80.0</b>	<b>0.05</b>				
2024CPT.10.12.20132	Cabarrus	4	SR-1237 - MANASSAS DR 40001237013	FRPM SR 1139 (ROCKY RIVER ROAD) (MP 0.00) TO DEAD END (MP 0.25)		2		NO	NO	0.25	20	0	0.25	3,080	3,080	2,065	0.20	0.50	80.0	0.03				
<b>TOTAL FOR MAP NO. 4</b>										<b>0.25</b>				<b>3,080</b>	<b>3,080</b>	<b>2,065</b>	<b>0.20</b>	<b>0.50</b>	<b>80.0</b>	<b>0.03</b>				
2024CPT.10.12.20132	Cabarrus	5	SR-2417 - MOOSE RD 40002417013	FROM NC 73 (MP 0.00) TO SR 2416 (MT. OLIVE ROAD) (MP 1.57)		2		NO	NO	1.57	20	0	1.57	19,122	19,122	12,815	0.60	0.50	80.0	0.19				
<b>TOTAL FOR MAP NO. 5</b>										<b>1.57</b>				<b>19,122</b>	<b>19,122</b>	<b>12,815</b>	<b>0.60</b>	<b>0.50</b>	<b>80.0</b>	<b>0.19</b>				
2024CPT.10.12.20132	Cabarrus	6	SR-2507 - LACEWOOD COURT 40002507013	FROM SR 2500 (SWARINGEN DRIVE) (MP 0.00) TO DEAD END (MP 0.26)		2		NO	NO	0.26	20	0	0.26	4,296	4,296	2,880	0.20	0.50	80.0	0.03				
<b>TOTAL FOR MAP NO. 6</b>										<b>0.26</b>				<b>4,296</b>	<b>4,296</b>	<b>2,880</b>	<b>0.20</b>	<b>0.50</b>	<b>80.0</b>	<b>0.03</b>				
2024CPT.10.12.20132	Cabarrus	7	SR-2633 - HEGLAR ROAD 40002633013	FROM SR 2630 (COLD SPRINGS ROAD S.) (MP 0.00) TO NC 49 N (MP 1.63)		2		NO	NO	1.63	20	0	1.63	21,797	21,797	14,605	0.60	0.50	80.0	0.19				
<b>TOTAL FOR MAP NO. 7</b>										<b>1.63</b>				<b>21,797</b>	<b>21,797</b>	<b>14,605</b>	<b>0.60</b>	<b>0.50</b>	<b>80.0</b>	<b>0.19</b>				
2024CPT.10.12.20132	Cabarrus	8	SR-2636 - HEGLAR ROAD 40002636013	FROM JOINT AT SR 2635 (OLD AIRPORT ROAD) (MP 0.01) TO NC 49 S. (MP 0.77)		2		NO	NO	0.76	20	0.01	0.77	12,701	12,701	8,510	0.40	0.50	80.0	0.09				
<b>TOTAL FOR MAP NO. 8</b>										<b>0.76</b>				<b>12,701</b>	<b>12,701</b>	<b>8,510</b>	<b>0.40</b>	<b>0.50</b>	<b>80.0</b>	<b>0.09</b>				
2024CPT.10.12.20132	Cabarrus	9	SR-2692 - WARD AVENUE 40002692013	FROM NC 49 (MP 0.00) TO END MAINTENANCE (MP 0.49)		2		NO	NO	0.49	20	0	0.49	6,924	6,924	4,640	0.20	0.25	80.0	0.06				
<b>TOTAL FOR MAP NO. 9</b>										<b>0.49</b>				<b>6,924</b>	<b>6,924</b>	<b>4,640</b>	<b>0.20</b>	<b>0.25</b>	<b>80.0</b>	<b>0.06</b>				
<b>TOTAL FOR PROJ NO. 2024CPT.10.12.20132</b>										<b>8.36</b>				<b>109,471</b>	<b>109,471</b>	<b>73,360</b>	<b>3.40</b>	<b>4.25</b>	<b>992.0</b>	<b>1.00</b>				
<b>GRAND TOTAL</b>										<b>8.36</b>				<b>109,471</b>	<b>109,471</b>	<b>73,360</b>	<b>3.40</b>	<b>4.25</b>	<b>992.0</b>	<b>1.00</b>				