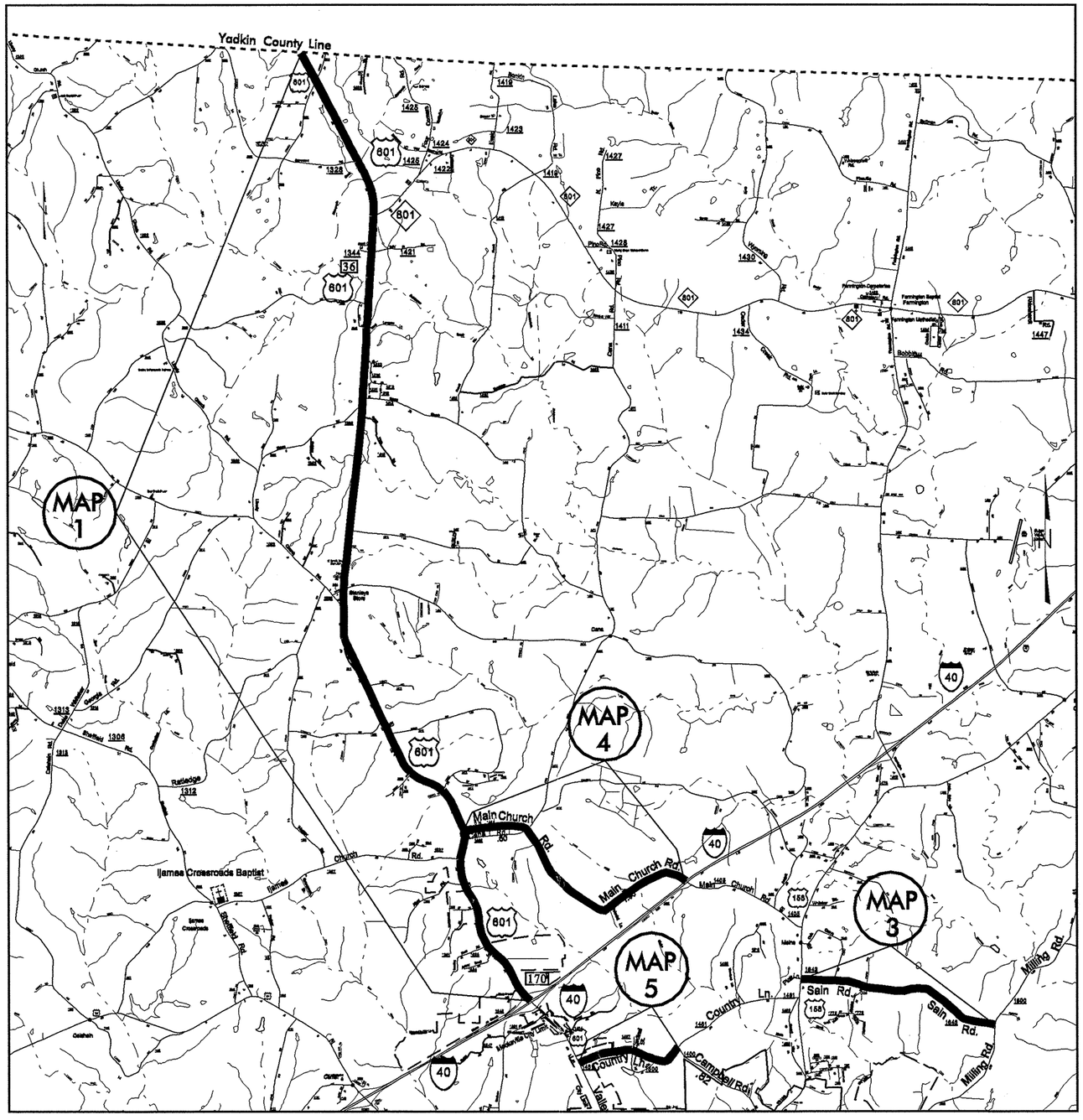
SHEET NO. 1
DAVIE COUNTY
9CR.10301.7
9CR.20301.7



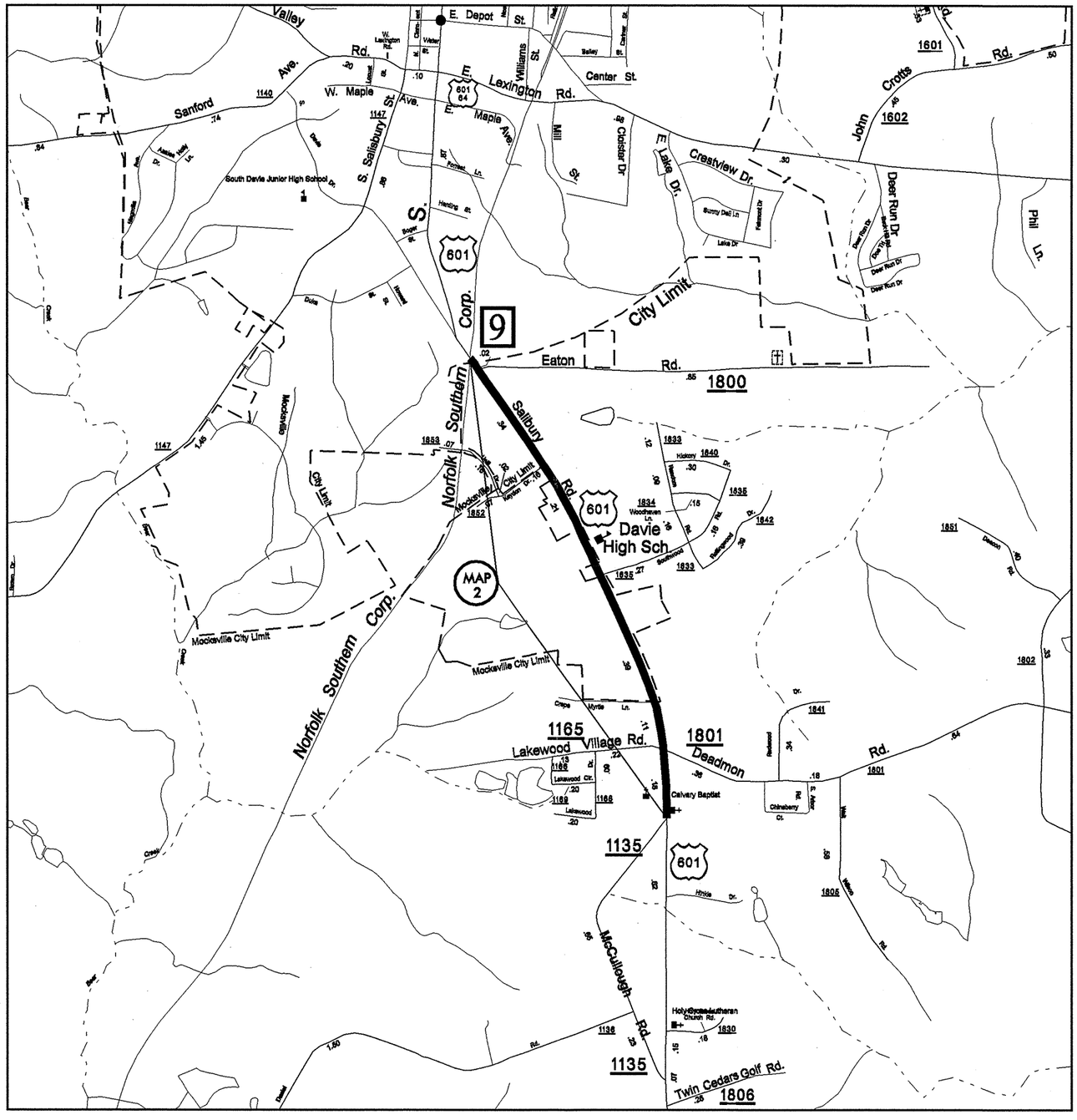
N

MAP 1
MAP 3
MAP 4
MAP 5

DAVIE COUNTY

NORTH CAROLINA

SHEET NO. 2
DAVIE COUNTY
9CR.10301.7
9CR.20301.7

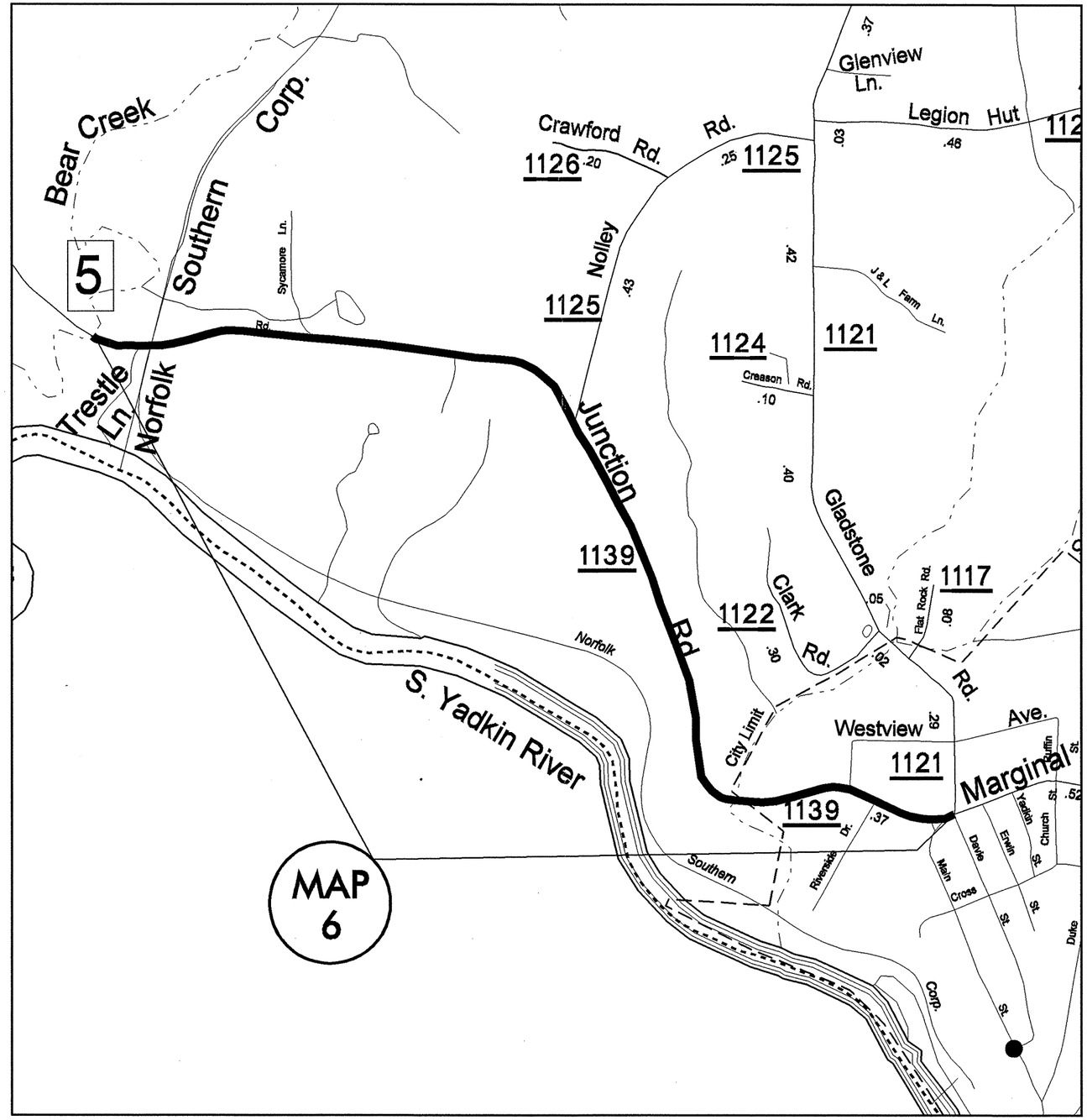


MAP 2

DAVIE COUNTY

NORTH CAROLINA

SHEET NO. 3
DAVIE COUNTY
9CR.10301.7
9CR.20301.7



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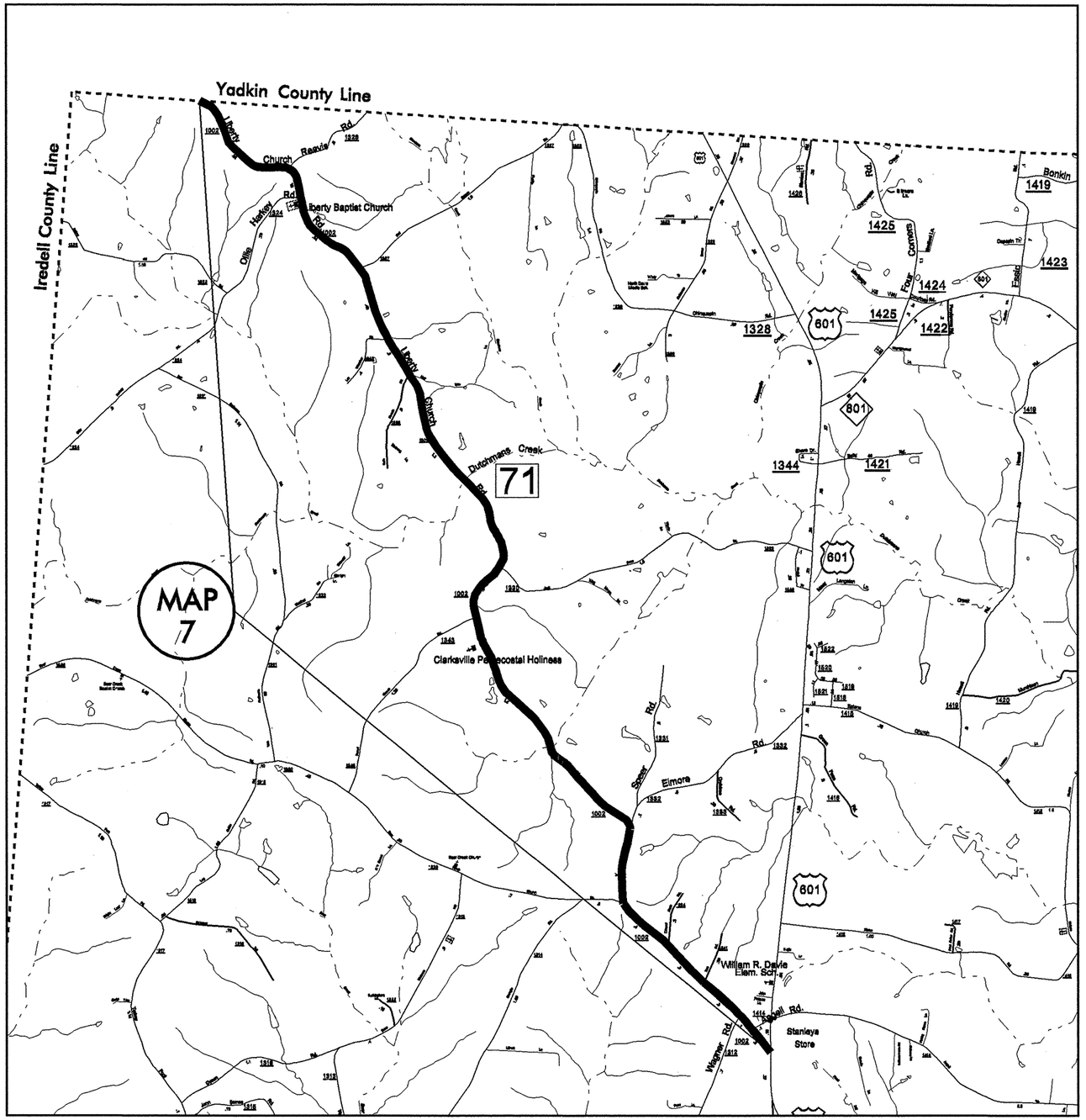
MAP 6

DAVIE COUNTY

NORTH CAROLINA

SHEET NO. 4
DAVIE COUNTY
9CR.10301.7
9CR.20301.7



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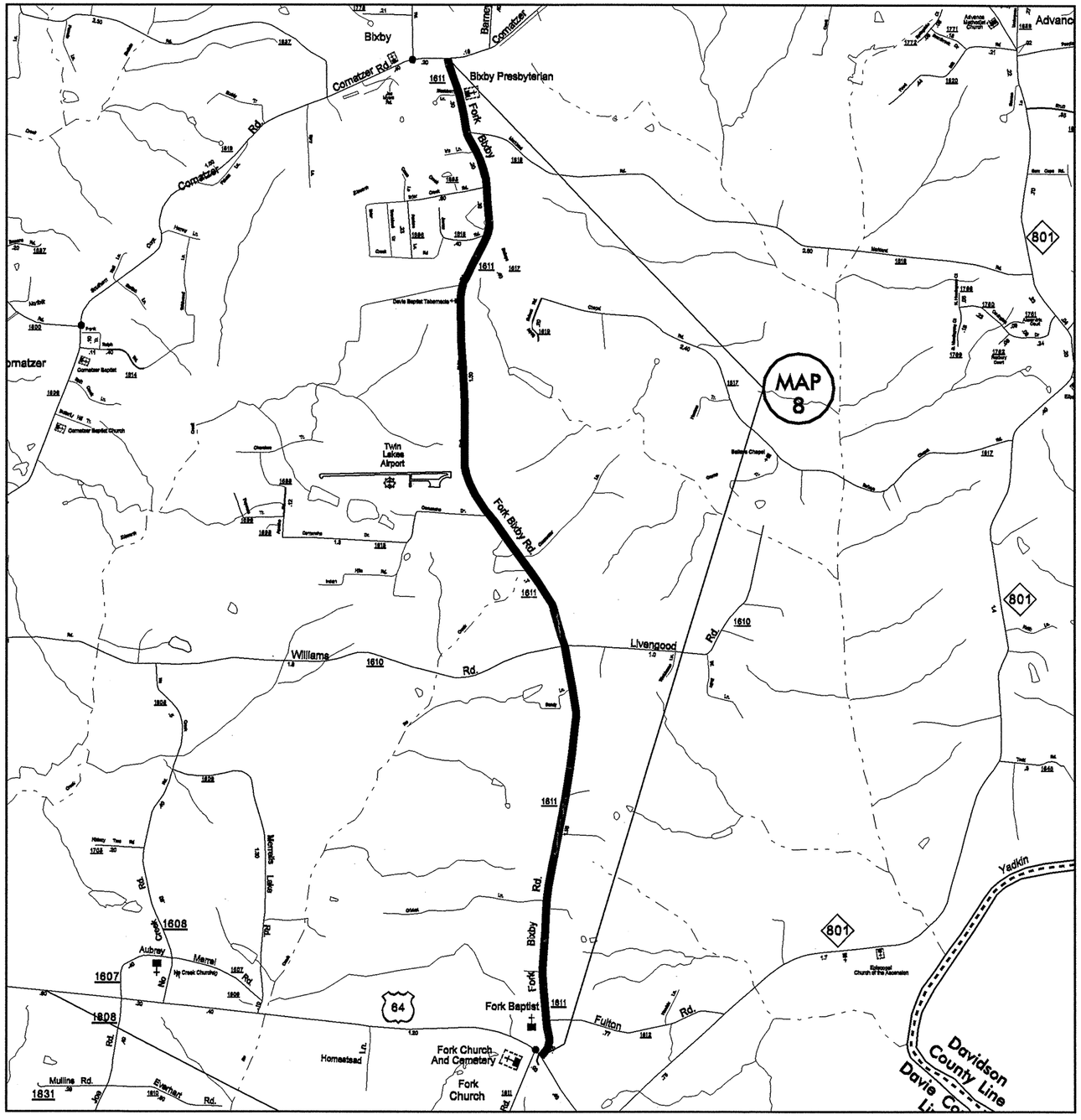
MAP 7

DAVIE COUNTY

NORTH CAROLINA

SHEET NO. 5
DAVIE COUNTY
9CR.10301.7
9CR.20301.7



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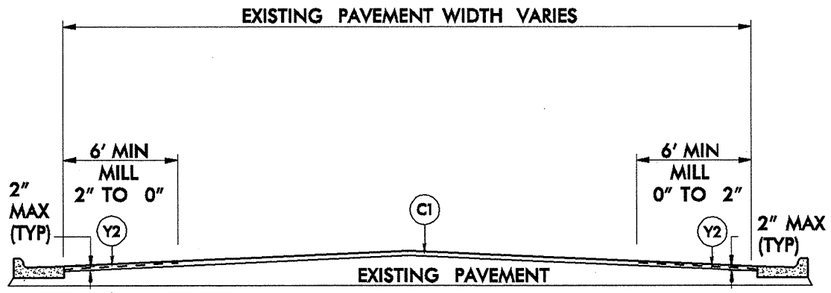
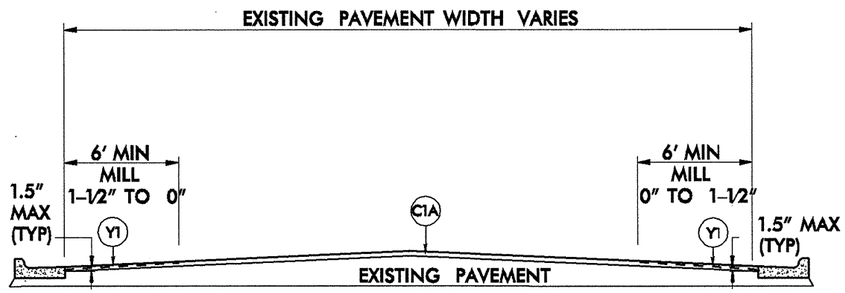
MAP 8

DAVIE COUNTY

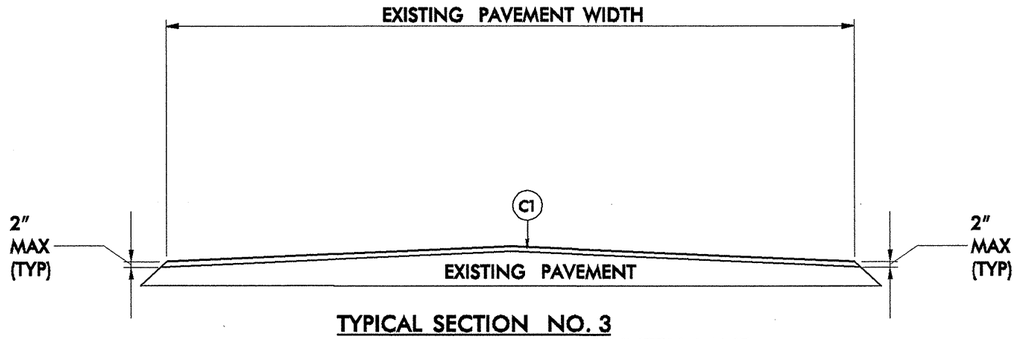
NORTH CAROLINA



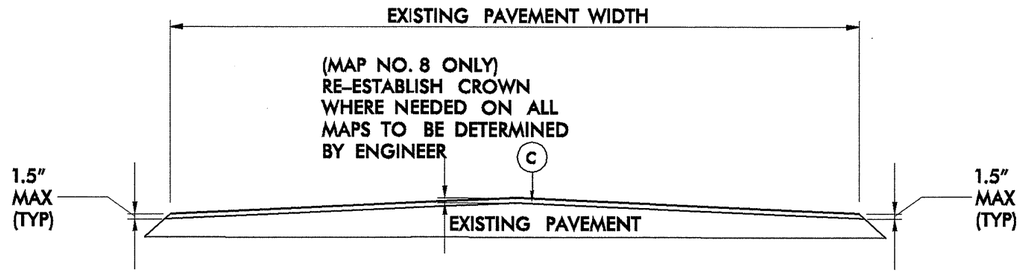
TYPICAL SECTION NO. 1
MAP NO 5 SR 1461 COUNTRY LANE



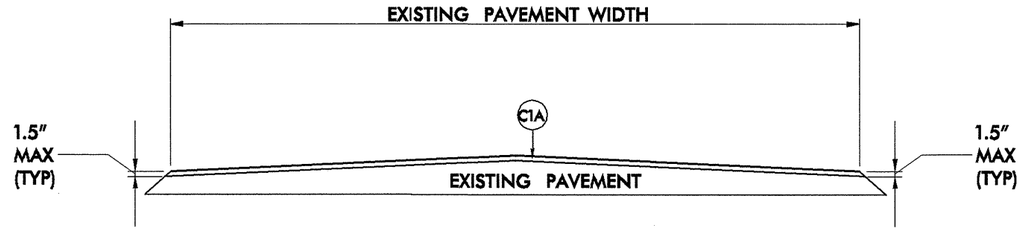
TYPICAL SECTION NO. 2
MAP NO 1 US HWY 601
MAP NO 2 US HWY 601



TYPICAL SECTION NO. 3
MAP NO 5 SR 1461 COUNTRY LANE

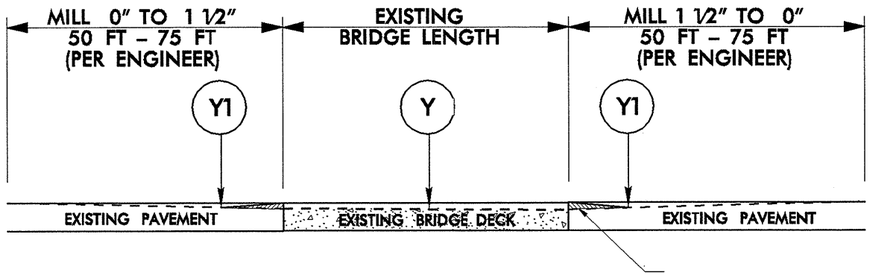


TYPICAL SECTION NO. 4
MAP NO 3 SR 1636 SAIN RD
MAP NO 4 SR 1405 MAIN CHURCH RD
MAP NO 6 SR 1139 JUNCTION RD
MAP NO 7 SR 1002 LIBERTY CHURCH RD
MAP NO 8 SR 1601 FORK BIXBY RD



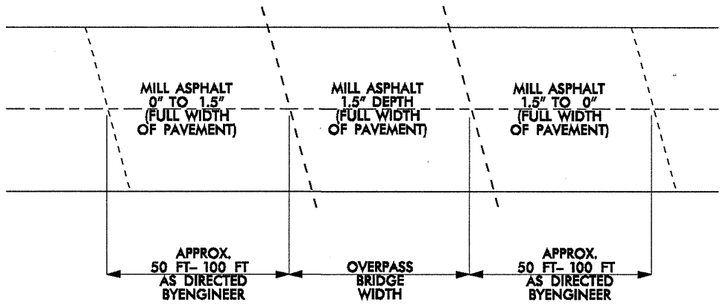
TYPICAL SECTION NO. 5
MAP NO 1 US 601
MAP NO 2 US 601

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1A	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE LEVELING COURSE, TYPE S9.5B
Y	MILL ASPHALT PAVEMENT, 1.5" DEPTH
Y1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH
Y2	MILL ASPHALT PAVEMENT, 0" TO 2" DEPTH

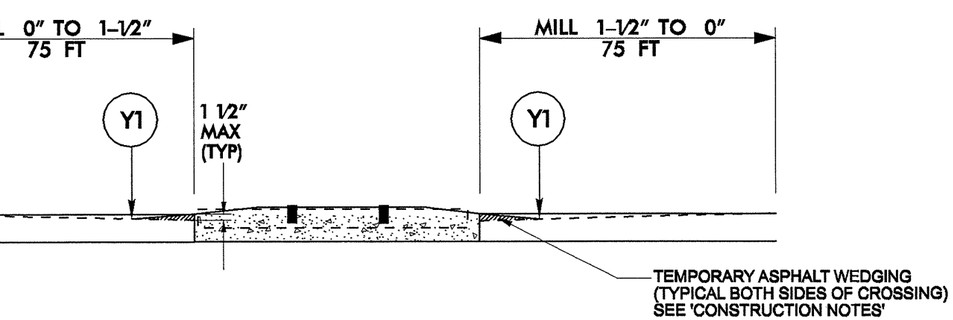


DETAIL A
MILL BRIDGE DECK AND APPROACHES
(SEE BRIDGE DATA SHEET (SHEET 11) FOR PAVING INSTRUCTIONS)

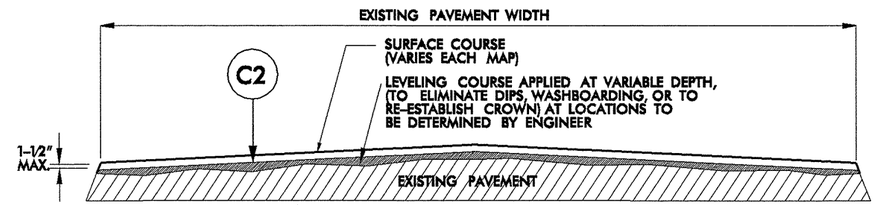
MAP NO 1 US HWY 601
MAP NO 7 SR 1002 LIBERTY CHURCH RD



PLAN VIEW FOR MILLING
ASPHALT PAVEMENT UNDER OVERPASS

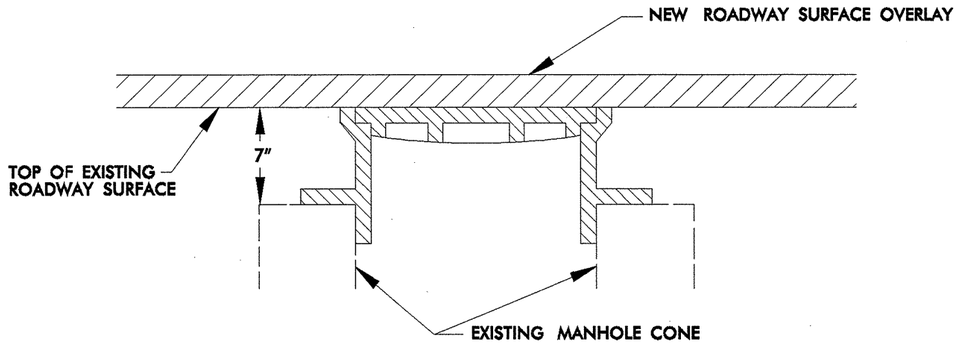


DETAIL B
MILLING RAILROAD CROSSING APPROACHES

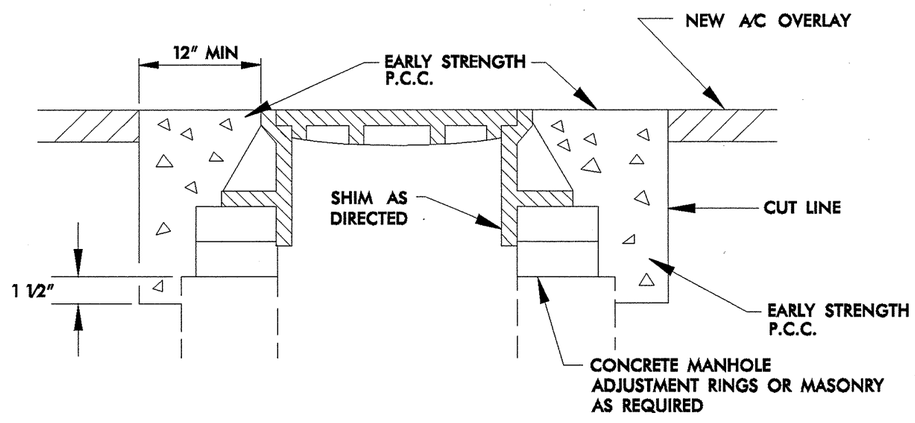


LEVELING DETAIL
(MAP NO. 8 ONLY- FOR USE ON TYPICAL SECTION NO. 4)

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1A	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE LEVELING COURSE, TYPE S9.5B
Y	MILL ASPHALT PAVEMENT, 1.5" DEPTH
Y1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH
Y2	MILL ASPHALT PAVEMENT, 0" TO 2" DEPTH



STEP 1



STEPS 2,3, & 4

STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE

STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.

STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.

STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

MANHOLE ADJUSTMENT DETAIL

CONSTRUCTION NOTES:

1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".

2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:

   PHASE 1 – MILLING AND PATCHING (WHEN REQUIRED)
   PHASE 2 – SURFACE OVERLAY
   PHASE 3 – SHOULDER DROP–OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
   PHASE 4 – UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.

3. BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.

4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).

5. FOR TWO–LANE ROADWAYS – IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

6. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTIO 610–11.

7. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.

8. REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y–LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLIDERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION

PROJECT NO.	SHEET NO.	TOTAL NO.
9CR.10301.7, 9CR.20301.7	9	11

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SHOULDER RECONST. SMI	INCIDENTAL STONE BASE TONS	1½" MILLING SY	0" TO 1½" MILLING SY	0" TO 2" MILLING SY	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA
9CR.10301.7	Davie	1	US 601	FROM BRIDGE @ I-40 TO YADKIN COUNTY LINE	2, 5	NO	9.324	28	18.65	975	420	7655				15,368		922	20		1
TOTAL FOR MAP NO. 1							**9.324**		**18.65**	**975**	**420**	**7655**				**15,368**		**922**	**20**		**1**
		2	US 601	FROM RR BRIDGE TO SR 1135 MCCULLOUGH RD	2, 5	NO	1.479	26	2.96	20		13822				2,317		139	20	2	10
TOTAL FOR MAP NO. 2							**1.479**		**2.96**	**20**	**0**	**13822**				**2,317**		**139**	**20**	**2**	**10**
TOTAL FOR PROJ NO. 9CR.10301.7							**10.803**		**21.61**	**995**	**420**	**21477**				**17,685**		**1,061**	**40**	**2**	**11**
9CR.20301.7	Davie	3	SR 1636 SAIN ROAD	FROM US 158 TO SR 1600 MILLING ROAD	4	NO	1.874	22	3.75	155		367		2277			137		20		
TOTAL FOR MAP NO. 3							**1.874**		**3.75**	**155**	**0**	**367**		**2277**			**137**		**20**		
		4	SR 1405 MAIN CHURCH ROAD	FROM US 601 TO I-40	4	NO	2.48	20	4.96	320		500		2706			162		20		
TOTAL FOR MAP NO. 4							**2.48**		**4.96**	**320**	**0**	**500**		**2706**			**162**		**20**		
		5	SR 1461 COUNTRY LANE	FROM US 601 TO SR 1400 CAMPBELL ROAD	1, 3	NO	0.985	26	1.97	75			710	1979			119		20		2
TOTAL FOR MAP NO. 5							**0.985**		**1.97**	**75**	**0**	**0**	**710**	**1979**			**119**		**20**		**2**
		6	SR 1139 JUNCTION ROAD	MARGINAL STREET TO BRIDGE	4	NO	1.849	22	3.7	265		1050		2218			133		20		1
TOTAL FOR MAP NO. 6							**1.849**		**3.7**	**265**	**0**	**1050**	**0**	**2218**			**133**		**20**		**1**
		7	SR 1002 LIBERTY CHURCH ROAD		4	NO	6.7	22	13.4	685	135	1200		8036			482		20		
TOTAL FOR MAP NO. 7							**6.7**		**13.4**	**685**	**135**	**1200**	**0**	**8036**			**482**		**20**		
		8	SR 1611 FORK BIXBY ROAD	FROM SR 1616 CORNATZER ROAD TO US 64	4	NO	4.37	22	8.74	515				5241	60		318		60		
TOTAL FOR MAP NO. 8							**4.37**		**8.74**	**515**	**0**	**0**	**0**	**5241**	**60**		**318**		**60**		
TOTAL FOR PROJ NO. 9CR.20301.7							**18.258**		**36.52**	**2,015**	**135**	**3,117**	**710**	**22,457**	**60**		**1,351**		**160**		**3**
GRAND TOTAL							**29.061**		**58.13**	**3,010**	**555**	**24,594**	**710**	**22,457**	**60**	**17,685**	**1,351**	**1,061**	**200**	**2**	**14**

PROJECT NO.	SHEET NO.	TOTAL NO.
9CR.10301.7, 9CR.20301.7	10	11

THERMOPLASTIC AND PAINT QUANTITIES

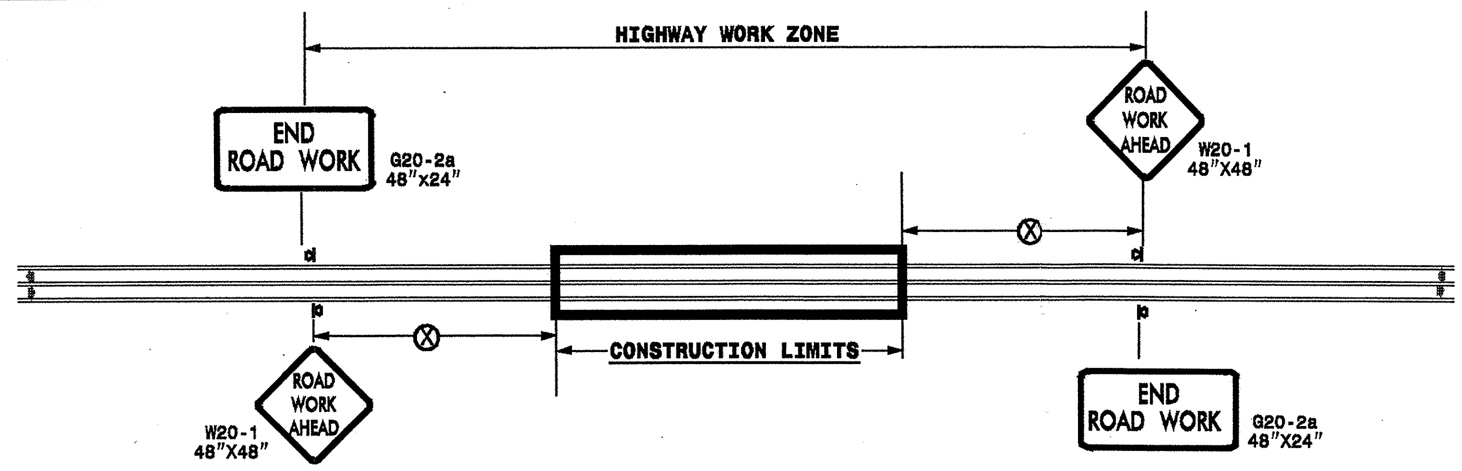
PROJECT NO	COUNTY	MAP NO	ROUTE		4510000000-N LAW ENFORCEMENT HR	4685000000-E 4" X 90 M WHITE THERMO LF	4" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4705000000-E 16" X 120 M WHITE THERMO LF	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG ONLY 120 M EA	THERMO MSG SCHOOL 120 M EA	THERMO RXR 120 M EA	4725000000-E THERMO STR ARROW 90 M EA	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	4905000000-N SNOW PLOWABLE MARKERS EA
9CR.10301.7	Davie	1	US 601	FROM BRIDGE @ I-40 TO YADKIN COUNTY LINE	60	100,326	750	98,461	1,300			340	12	6		18	16	12	2	645
TOTAL FOR MAP NO. 1					60	100,326	750	98,461	1,300			340	12	6		18	16	12	2	645
		2	US 601	FROM RR BRIDGE TO SR 1135 MCCULLOUGH RD	60	15,618		19,523	984	100		100		12			34	4	2	133
TOTAL FOR MAP NO. 2					60	15,618		19,523	984	100		100		12			34	4	2	133
TOTAL FOR PROJ NO. 9CR.10301.7					120	115,944	750	117,984	2,284	100		440	12	18		18	50	16	4	778
						116,694		120,268						30			88			
9CR.20301.7	Davie	3	SR 1636 SAIN ROAD	FROM US 158 TO SR 1600 MILLING ROAD		20,164		19,789	100			22								
TOTAL FOR MAP NO. 3						20,164		19,789	100			22								
		4	SR 1405 MAIN CHURCH ROAD	FROM US 601 TO I-40		26,685		26,189												
TOTAL FOR MAP NO. 4						26,685		26,189												
		5	SR 1461 COUNTRY LANE	FROM US 601 TO SR 1400 CAMPBELL ROAD		10,596		11,019	100			26					6		2	
TOTAL FOR MAP NO. 5						10,596		11,019	100			26					6		2	
		6	SR 1139 JUNCTION ROAD	MARGINAL STREET TO BRIDGE		19,895		19,525			50	38			2					
TOTAL FOR MAP NO. 6						19,895		19,525			50	38			2					
		7	SR 1002 LIBERTY CHURCH ROAD			72,092		70,752				40								
TOTAL FOR MAP NO. 7						72,092		70,752				40								
		8	SR 1611 FORK BIXBY ROAD	FROM SR 1616 CORNATZER ROAD TO US 64		47,021		46,147			100	62			4					
TOTAL FOR MAP NO. 8						47,021		46,147			100	62			4					
TOTAL FOR PROJ NO. 9CR.20301.7						196,454		193,422	200		150	188			6		6		2	
						196,454		193,622						6			8			
GRAND TOTAL					120	312,398	750	311,406	2,484	100	150	628	12	18	6	18	56	16	6	778
						313,148		313,890						36			96			

Davie County 2010 Resurfacing Bridges

Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
1	US 601	US 601	36	Dutchmans Creek	7.5 RC 4" AWS	23.8'	N/A	N/A	150	N/P	Mill 1 1/2" & Pave
7	SR 1002	Liberty Church Rd.	71	Dutchmans Creek	Cored Slab 5 1/2" AWS	24.8'	N/A	N/A	46	N/P	Mill 1 1/2" & Pave

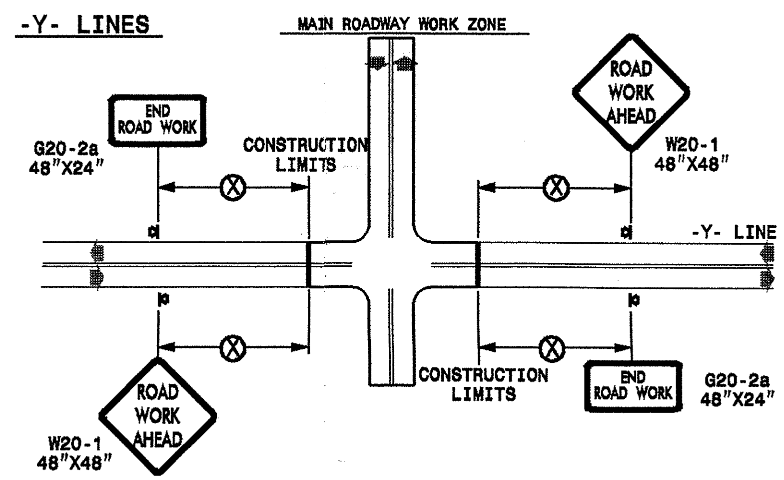
PROJ. REFERENCE NO.	SHEET NO.
9CR.10301.7 & 9CR.20301.7	TCP-1

TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING Ⓧ
≤ 50	500′
≥ 55	1000′

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

- PORTABLE SIGN
- DIRECTION OF TRAFFIC FLOW

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

APPROVED:______ DATE:______

SEAL

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
ADVANCED WORK ZONE WARNING SIGNS

SCALE: NONE
DATE:
DWG. BY:
DESIGN BY:
REVIEWED BY:

REVISIONS	
7-98	10/01
10-98	03/04
01/01	11/04
CADD FILE	

01-DEC-2009 17:39
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