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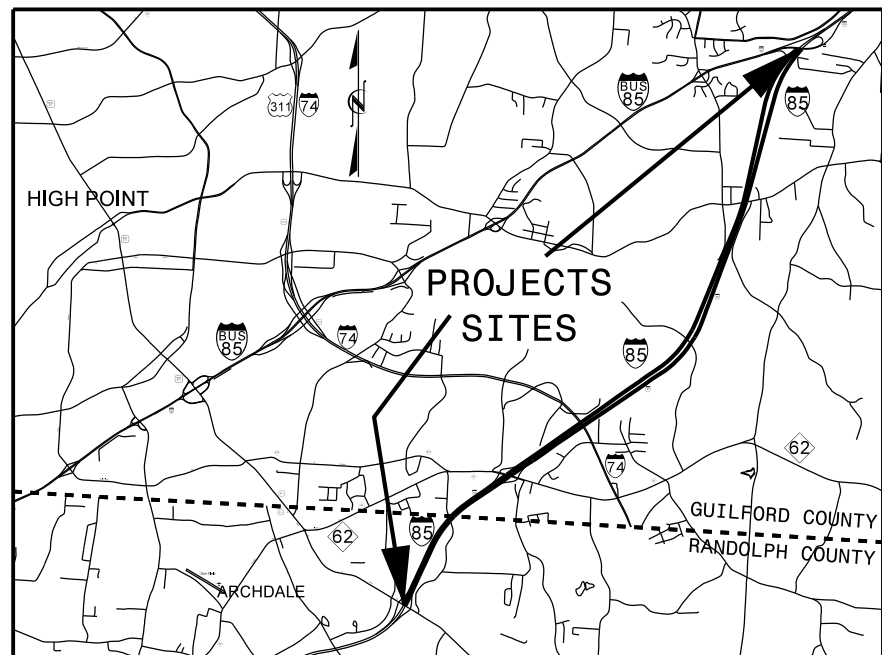
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08-JUL-2016 12:16  
 S:\Contracts\Resurfacing Projects\Division 7\15738 15821\5738 I-5821\5738\_I-5789 Title.dgn  
 09/28/99

**CONTRACT: C203914 TIP PROJECT: I-5821,I-5738,I-5789**

VICINITY



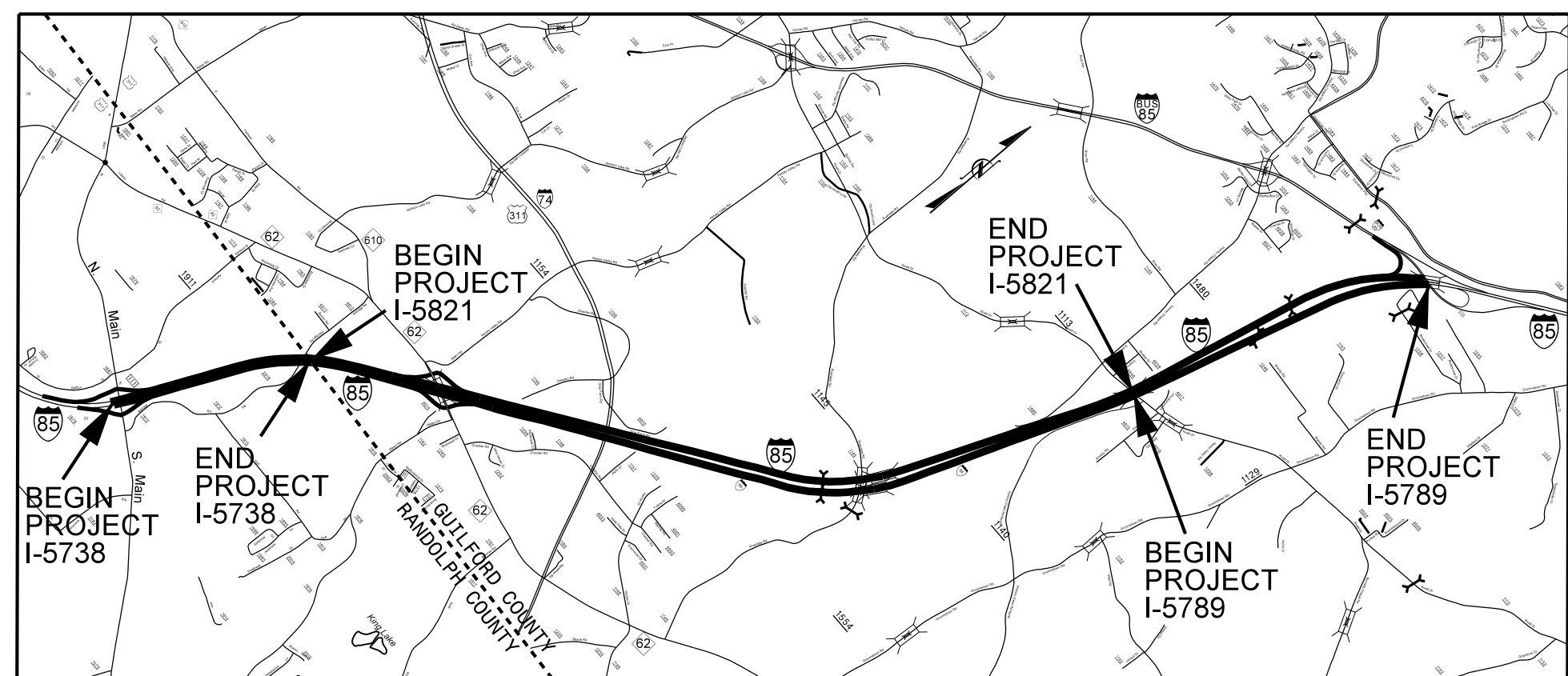
STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

# GUILFORD AND RANDOLPH COUNTIES

**LOCATION: I-85 FROM 0.05 MILE SOUTH OF MAIN STREET IN ARCHDALE TO I-85 BUSINESS IN HIGH POINT**

**TYPE OF WORK: PAVEMENT AND BRIDGE REHABILITATION**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5821,I-5738,I-5789	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50464.1.1	NHPIM-0085(5)116	I-5821 (P.E.)	
53029.3.1	NHPIM-0085(3)117	I-5821 (CONST.)	
52020.1.1	NHPP-0085(12)	I-5738 (P.E.)	
53029.3.1	NHPIM-0085(3)117	I-5738 (CONST.)	
53029.1.1	NHPIM-0085(3)117	I-5789 (P.E.)	
53029.3.1	NHPIM-0085(3)117	I-5789 (CONST.)	

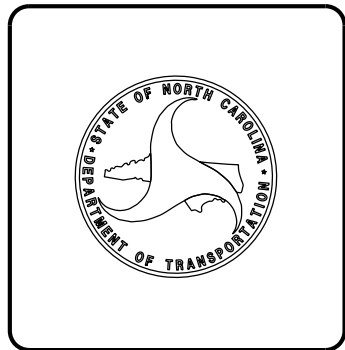


**GRAPHIC SCALES**  
 NOT TO SCALE

**DESIGN DATA**  
 NA

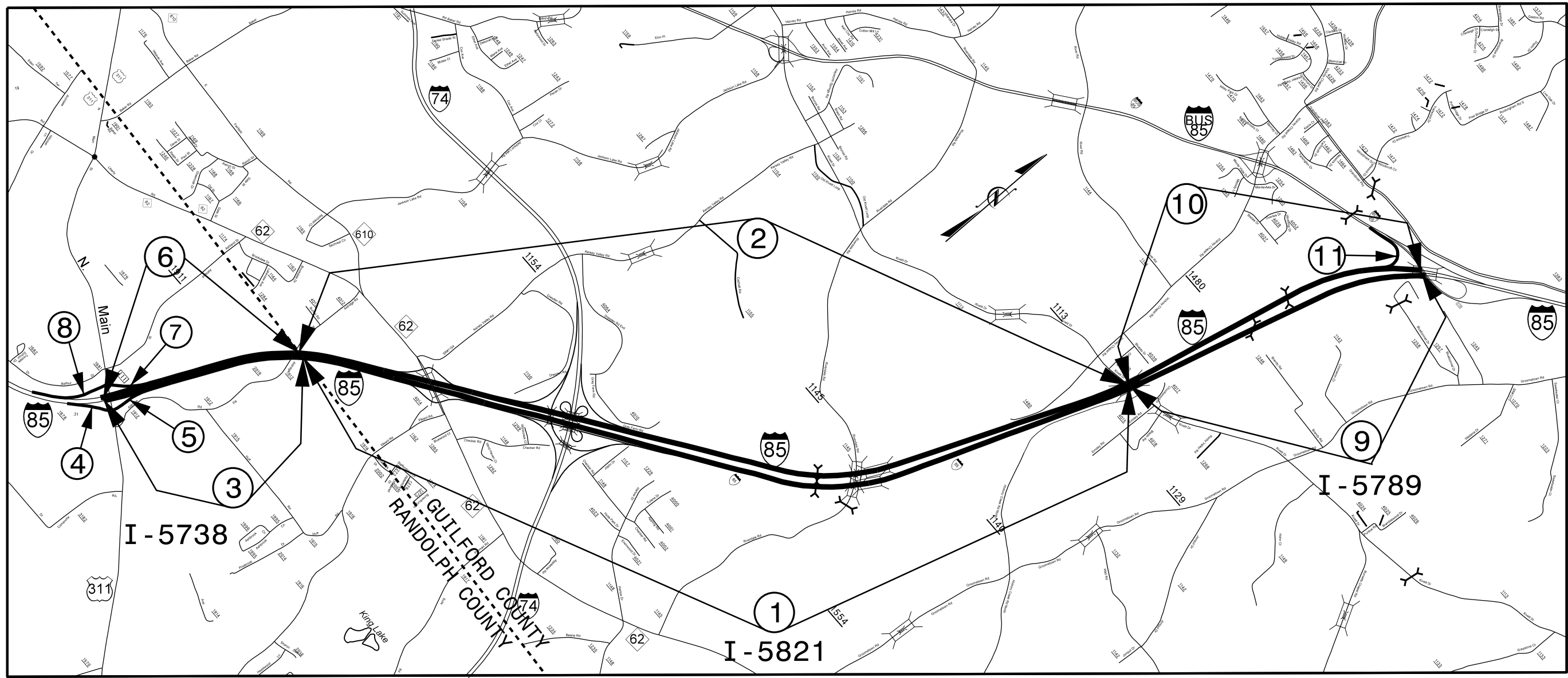
**PROJECT LENGTH**  
 I-5821 = 4.49 miles  
 I-5738 = 1.08 miles  
 I-5789 = 1.70 miles  
 Total Project Length = 7.27

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
 1584 Yanceyville St. Greensboro, NC, 27405  
 2012 STANDARD SPECIFICATIONS  
**C. B. SMITHERMAN, P.E.**  
 PROJECT ENGINEER  
**CLINTON A. WILES**  
 ENGINEERING TECHNICIAN  
 LETTING DATE:  
 August 16, 2016

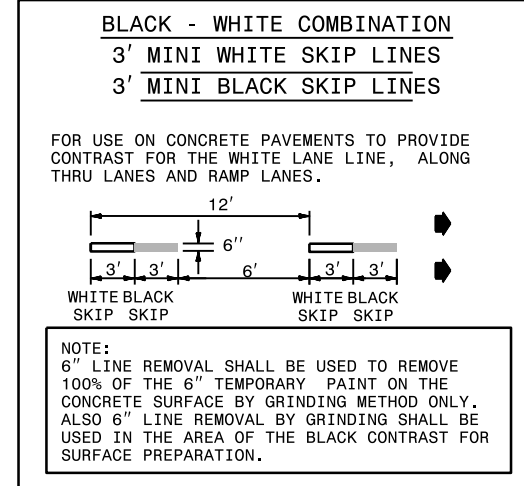
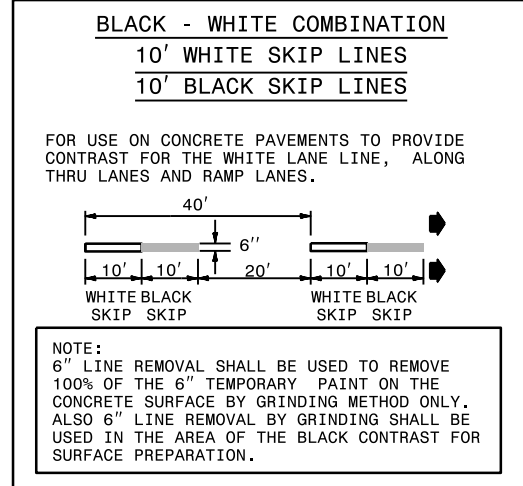


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5821, I-5738, I-5789	2	

# GUILFORD AND RANDOLPH COUNTIES



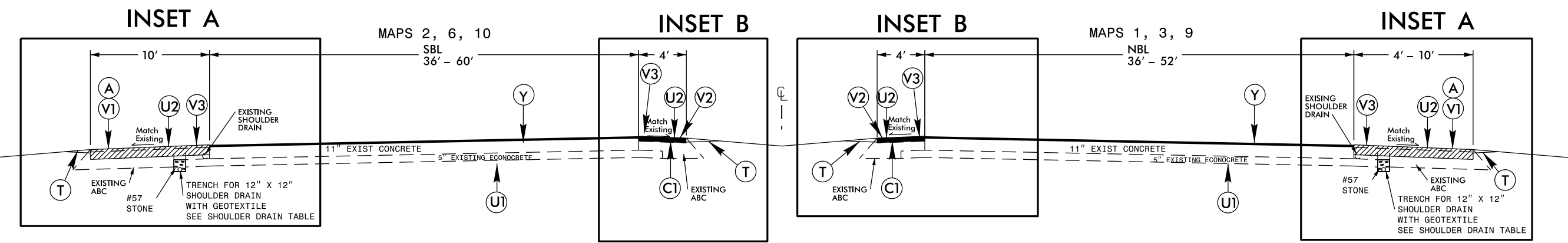
05-APR-2016 11:29  
 S:\Contracts\Resurfacing Projects\Division 7\I5738 I5821 I5789 Guilford Randolph June 2016\I-5821\_I-5738\_I-5789\_vicinity.dgn  
 Supporter AT CSN-2016-02



**NOTES:**

1. SHOULDER DRAIN SHALL BE INSTALLED PRIOR TO CONSTRUCTING THE PROPOSED 10' ROLLER COMPACTED CONCRETE (RCC) SHOULDER.
2. CONCRETE REPAIRS SHALL BE COMPLETED ADJACENT TO THE SHOULDER PRIOR TO CONSTRUCTING THE PROPOSED 4' ASPHALT SHOULDER OR 10' RCC SHOULDER.
3. CONCRETE REPAIRS & PROPOSED SHOULDERS SHALL BE COMPLETE PRIOR TO DIAMOND GRINDING.
4. LONGITUDINAL JOINTS IN EXISTING CONCRETE PAVEMENT SHALL BE SAWED & SEALED IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS. PLEASE NOTE, LONGITUDINAL JOINTS IN OLD PAVEMENT WERE NOT SAWED & SEALED.

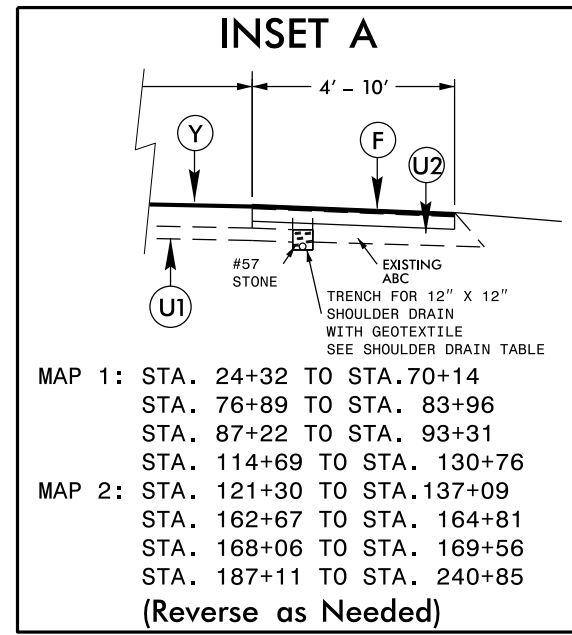
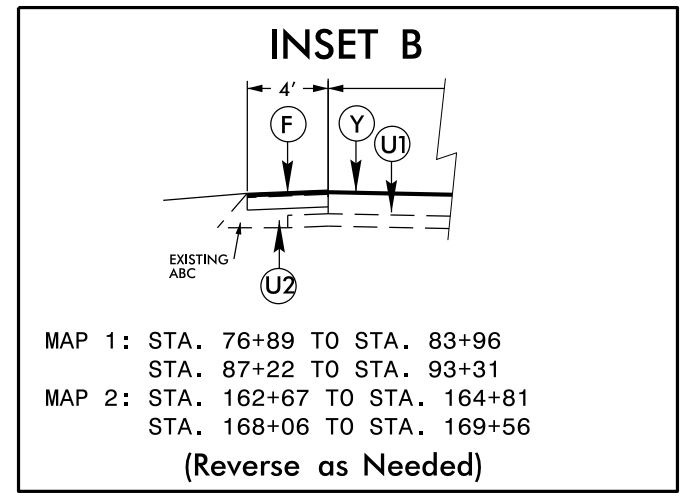
5. TIE BARS SHALL NOT BE INSTALLED AT LOCATIONS WHERE ROLLER COMPACTED CONCRETE SHOULDER IS PLACED.
6. TRANSVERSE JOINTS IN ROLLER COMPACTED CONCRETE SHOULDER SHALL MATCH TRANSVERSE JOINTS IN EXISTING CONCRETE PAVEMENT. IF TRANSVERSE JOINTS ARE MORE THAN 20' APART, PLACE AN ADDITIONAL TRANSVERSE JOINT MIDWAY OF SLAB.
7. PRIOR TO PLACING FINAL PAVEMENT MARKING MATERIAL ON CONCRETE SURFACES THAT ARE DIAMOND GROUND, THE CONTRACTOR SHALL USE AN ACCEPTABLE METHOD TO GRIND RIDGES SMOOTH ONLY WHERE PAVEMENT MARKINGS WILL BE INSTALLED.



**TYPICAL SECTION NO. 1**

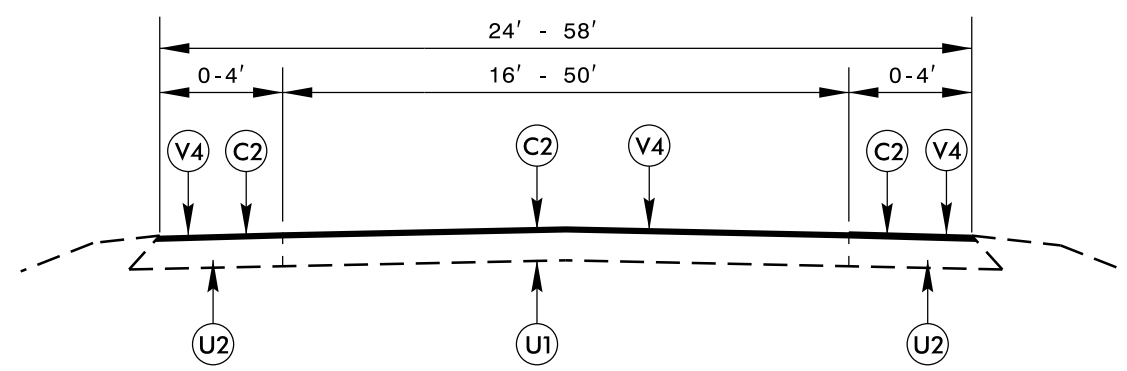
TO BE USED ON MAPS 2, 6, 10  
 MAP 2: STA. 7+81 TO STA. 10+00 (Bridge)  
 STA. 10+00 TO STA. 79+54  
 STA. 79+54 TO STA. 83+19 (Bridge)  
 STA. 83+19 TO STA. 164+81  
 STA. 164+81 TO STA. 168+06 (Bridge)  
 STA. 168+06 TO STA. 242+16

TO BE USED ON MAPS 1, 3, 9  
 MAP 1: STA. 10+00 TO STA. 83+96  
 STA. 83+96 TO STA. 87+22 (Bridge)  
 STA. 87+22 TO STA. 168+11  
 STA. 168+11 TO STA. 171+11 (Bridge)  
 STA. 171+11 TO STA. 244+74  
 STA. 244+74 TO STA. 246+97 (Bridge)



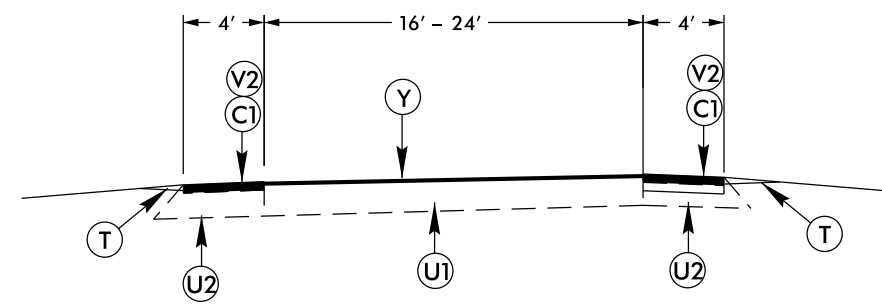
PAVEMENT SCHEDULE			
A	8" ROLLED COMPACTED CONCRETE (RCC).		
C1	PROP. APPROX. 4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. IN TWO LIFTS		
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.		
E	PROP. APPROX. 6½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 741 LBS. PER SQ. YD. IN ONE LIFT		
F	PROPOSED FOG SEAL TO BE APPLIED TO THE EXISTING ASPHALT SHOULDER		
R	EXISTING CONCRETE STRUCTURE		
T	SHOULDER RECONSTRUCTION		
U1	EXISTING TRAVELWAY	U2	EXISTING PAVED SHOULDER.
V1	8¼" TRENCHING	V2	4" TRENCHING
V3	MILLED RUMBLE STRIP	V4	1½" MILLING
Y	PROPOSED DIAMOND GRINDING		

REVISIONS  
 98-JUL-2016 14:32  
 S:\Contractors\Resurfacing Projects\Division 7\I5738 15821 15789 Gullford-Randolph\I-582I\I-5789 typicals.dgn  
 Revised 7/6/2016, Changed median shoulders from PCP to Asphalt  
 5/14/99



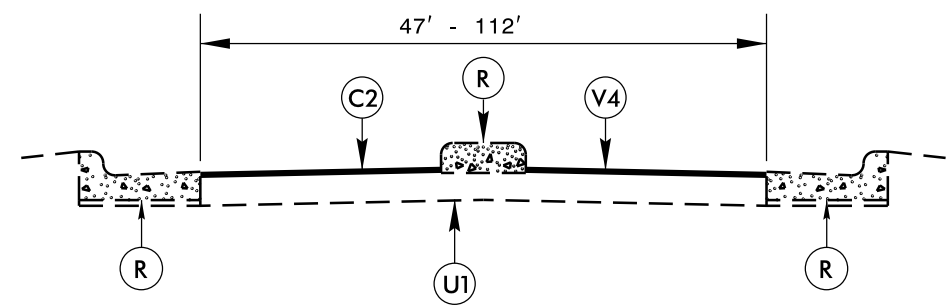
### TYPICAL SECTION NO. 2

TO BE USED ON MAPS: 4, 7, 8  
 MAP 4: STA. 10+00 TO STA. 17+37  
 MAP 7: STA. 16+27 TO STA. 17+87  
 MAP 8: STA. 10+64 TO STA. 20+64



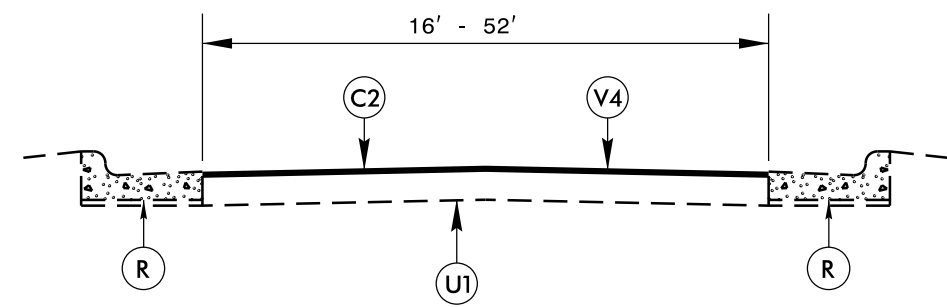
### TYPICAL SECTION NO. 5

TO BE USED ON MAPS 5, 7, 11  
 MAP 5: STA. 9+70 TO STA. 18+34  
 MAP 7: STA. 10+00 TO STA. 16+27  
 MAP 11: STA. 10+00 TO STA. 17+18



### TYPICAL SECTION NO. 3

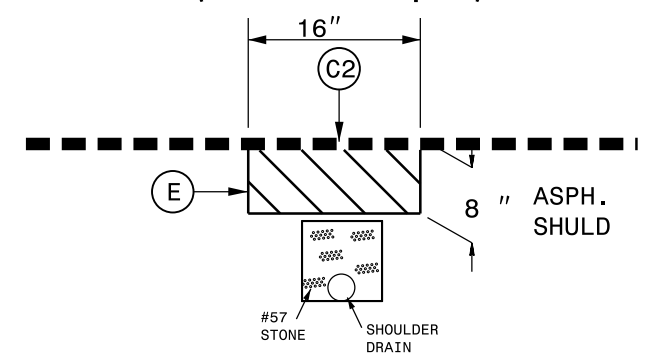
TO BE USED ON MAPS 4, 7  
 MAP 4: STA. 17+37 TO STA. 17+57  
 MAP 7: STA. 17+87 TO STA. 18+37



### TYPICAL SECTION NO. 4

TO BE USED ON MAPS 5, 8  
 MAP 5: STA. 9+18 TO STA. 9+70  
 MAP 8: STA. 10+00 TO STA. 10+64

### PATCHING DETAIL FOR SHOULDER DRAIN (Pavement Repair)



REMOVE EXISTING ASPHALT PAVEMENT 8" IN DEPTH AND FILL WITH 6 1/2" BASE COURSE TYPE B25.0B IN ONE LIFT AND 1 1/2" SURFACE COURSE, TYPE S9.5C AT LOCATIONS AS DIRECTED BY THE ENGINEER.

TO BE USED IN CONJUNCTION WITH MAPS 1 AND 2 (SEE SHOULDER DRAIN SHEET)

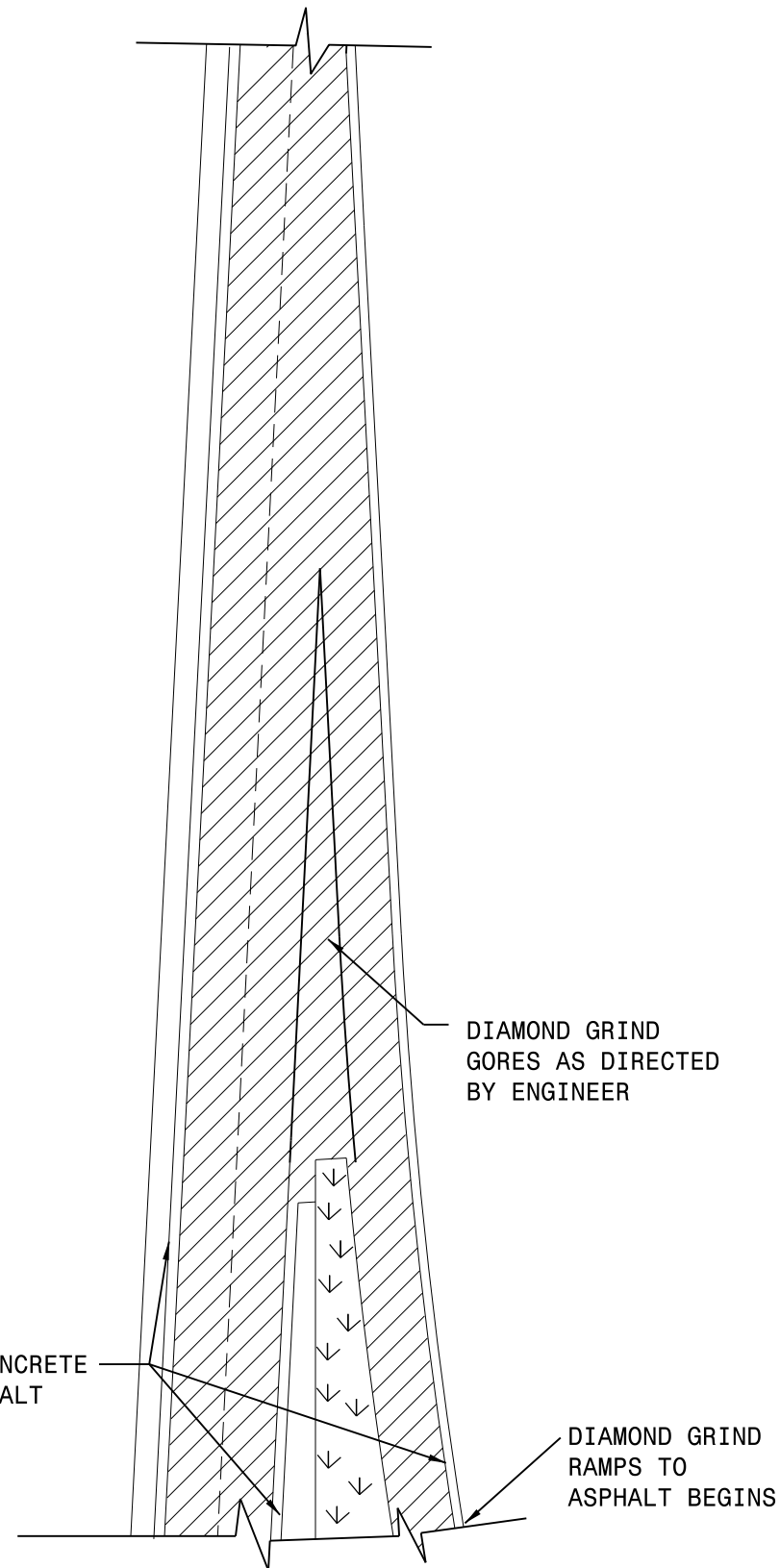
APPROXIMATE LOCATIONS  
 MAP 1: STA. 55+50 TO STA. 70+14  
 MAP 1: STA. 114+76  
 MAP 2: STA. 136+15  
 MAP 2: STA. 187+11 TO STA. 200+76

PAVEMENT SCHEDULE			
A	8" ROLLED COMPACTED CONCRETE (RCC).		
C1	PROP. APPROX. 4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD. IN TWO LIFTS		
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.		
E	PROP. APPROX. 6 1/2" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 741 LBS. PER SQ. YD. IN ONE LIFT		
F	PROPOSED FOG SEAL TO BE APPLIED TO THE EXISTING ASPHALT SHOULDER		
R	EXISTING CONCRETE STRUCTURE		
T	SHOULDER RECONSTRUCTION		
U1	EXISTING TRAVELWAY	U2	EXISTING PAVED SHOULDER.
V1	8 1/4" TRENCHING	V2	4" TRENCHING
V3	MILLED RUMBLE STRIP	V4	1 1/2" MILLING
Y	PROPOSED DIAMOND GRINDING		

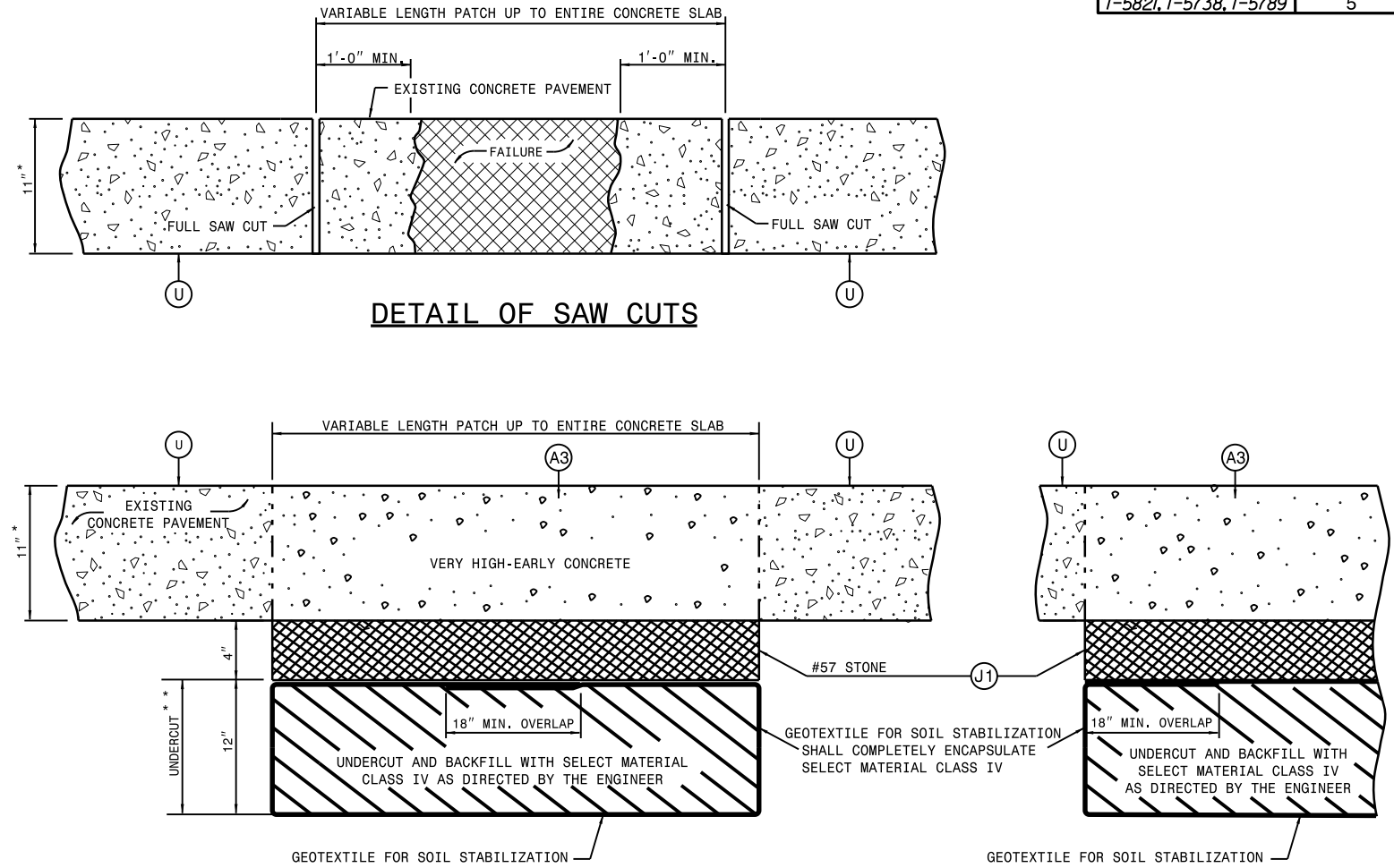
REVISIONS

Revised 7/16/2016: Changed median shoulders from PCCP to Asphalt.  
 Randelph.VI-5821.1-5738.1-5789.tjpt.cals.dgn

08-Jul-2015 11:28 AM  
 Projects\Division 1\5821 15789 Guilford  
 P:\p\at\cals\5821 15789



**DETAIL FOR LIMITS OF MILLING AND DIAMOND GRINDING AT GORE AREAS**



**DETAIL OF CONCRETE PAVEMENT REPAIR**

- \* DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED
- \*\* UNDERCUT REQUIRED IN AREAS AS DIRECTED BY THE ENGINEER

PAVEMENT SCHEDULE	
A3	11" VERY HIGH-EARLY CONCRETE
J1	#57 STONE
U	EXISTING PAVEMENT

Refer to the North Carolina Department of Transportation "Partial and Full Depth Repair Manual" when Replacing Slabs and when Repairing Concrete Pavement.

**DETAIL FOR REPAIR OF CONCRETE PAVEMENT**

PROJECT REFERENCE NO.	SHEET NO.
I-5821, I-5738, I-5789	6

# SHOULDER DRAIN SUMMARY

PROJECT #	AGGREGATE SHOULDER DRAIN							SHOULDER DRAIN OUTLET LOCATIONS					Remove & Replace Concrete Apron EA	FLOWABLE FILL CY	ASPHALT PLANT MIX, PAVEMENT REPAIR TON		
	MAP #	STATION	STATION	LOCATION		SHOULDER DRAIN FT	4" SHOULDER DRAIN PIPE FT	STATION	LOCATION		LENGTH OF OUTLET PIPE FT	OUTLET TYPE					
				LANE	LT or RT				LANE	LT or RT		TIE TO DI				PAD EA	
I-5821	1	10+00	24+32	NB	RT	1,432	1,432										
I-5821	1							11+20	NB	RT	30	X		1			
I-5821	1							16+20	NB	RT	30		1				
I-5821	1							21+70	NB	RT	30	X		1			
I-5821	1	24+32	55+50					NO SHOULDER DRAIN NEEDED IN THIS LOCATION									
I-5821	1	55+50	82+38	NB	RT	2,688	2,688	55+50 to 70+14 in new Asp. Sh.							94		
I-5821	1							61+07	NB	RT	30	X		1			
I-5821	1							66+32	NB	RT	30	X		1			
I-5821	1							70+09	NB	RT	30	X		1			
I-5821	1							74+50	NB	RT	30		1				
I-5821	1							78+78	NB	RT	30	X		1			
I-5821	1							82+38	NB	RT	30	X		1			
I-5821	1	82+38	93+31					NO SHOULDER DRAIN NEEDED IN THIS LOCATION									
I-5821	1	93+31	114+69	NB	RT	2,138	2,138										
I-5821	1							97+14	NB	RT	30	X		1			
I-5821	1							101+86	NB	RT	30	X		1			
I-5821	1							108+60	NB	RT	30	X		1			
I-5821	1							114+76	NB	RT		X		1		2	
								NO OUTLET PIPE NEEDED, DI IN ASPHALT GORE (On-ramp from I-74/NC 62)									
I-5821	1	114+69	130+76					NO SHOULDER DRAIN NEEDED IN THIS LOCATION									
I-5821	1	130+76	143+76	NB	RT	1,300	1,300										
I-5821	1							136+00	NB	RT	30		1				
I-5821	1							140+00	NB	RT	30		1				
I-5821	1							143+76	NB	RT	30		1				
I-5821	1	143+76	179+00					NO NEW SHOULDER DRAIN NEEDED IN THIS LOCATION									
I-5821	1	Concrete Apron Repair							159+00	NB	LT			1			
I-5821	1	179+00	236+75	NB	RT	5,775	5,775										
I-5821	1							179+00	NB	RT	30		1				
I-5821	1							184+00	NB	RT	30		1				
I-5821	1							187+00	NB	RT	30	X		1			
I-5821	1							194+50	NB	RT	30	X		1	2		
I-5821	1							201+50	NB	RT	30	X		1			
I-5821	1							204+75	NB	RT	30	X		1	2		
I-5821	1							210+25	NB	RT	30	X		1			
I-5821	1							215+25	NB	RT	30		1				
I-5821	1							220+25	NB	RT	30		1				
I-5821	1							225+25	NB	RT	30		1				
I-5821	1							230+25	NB	RT	30		1				
I-5821	1							236+75	NB	RT	30		1				
I-5821	1	236+75	244+75					NO NEW SHOULDER DRAIN NEEDED IN THIS LOCATION									
MAP 1 TOTALS						13,333	13,333				810		12	17	4	96	

# SHOULDER DRAIN SUMMARY

PROJECT #	MAP #	STATION	STATION	AGGREGATE SHOULDER DRAIN				SHOULDER DRAIN OUTLET LOCATIONS					Remove & Replace Concrete Apron EA	FLOWABLE FILL CY	ASPHALT PLANT MIX, PAVEMENT REPAIR TON	
				LOCATION		SHOULDER DRAIN	4" SHOULDER DRAIN PIPE	STATION	LOCATION		LENGTH OF OUTLET PIPE	OUTLET TYPE				
				LANE	LT or RT	FT	FT		LANE	LT or RT	FT	TIE TO DI				PAD EA
I-5821	2	10+00	79+54	NB	RT	6,954	6,954									
I-5821	2							10+00	SB	RT	30		1			
I-5821	2							14+00	SB	RT	30		1			
I-5821	2							21+00	SB	RT	30		1			
I-5821	2							26+00	SB	RT	30		1			
I-5821	2							31+00	SB	RT	30		1			
I-5821	2							36+00	SB	RT	30		1			
I-5821	2							41+00	SB	RT	30		1			
I-5821	2							46+00	SB	RT	30		1			
I-5821	2							51+00	SB	RT	30		1			
I-5821	2							56+00	SB	RT	30		1			
I-5821	2							60+25	SB	RT	30	X		1		
I-5821	2							65+25	SB	RT	30		1			
I-5821	2							70+50	SB	RT	30	X		1		
I-5821	2							75+00	SB	RT	30		1			
I-5821	2							79+25	SB	RT	30		1			
I-5821	2	79+54	83+19					BRIDGE OVER DEEP RIVER								
I-5821	2	83+19	121+30	SB	RT	3,811	3,811									
I-5821	2							88+00	SB	RT	30		1			
I-5821	2							93+00	SB	RT	30		1			
I-5821	2							97+00	SB	RT	30		1			
I-5821	2							100+00	SB	RT	30		1			
I-5821	2							105+00	SB	RT	30		1			
I-5821	2							110+00	SB	RT	30		1			
I-5821	2							115+25	SB	RT	30	X		1		
I-5821	2							120+50	SB	RT	30	X		1		
I-5821	2	121+30	136+15					NO SHOULDER DRAIN NEEDED IN THIS LOCATION								
I-5821	2	136+15	162+67	SB	RT	2,652	2,652									
I-5821	2							136+15	SB	RT		X			11	
I-5821	2							140+00	SB	RT	30	X		1		
I-5821	2			Concrete Apron Repair				143+50	SB	LT				1		
I-5821	2							145+00	SB	RT	30		1			
I-5821	2							150+00	SB	RT	30		1			
I-5821	2			Concrete Apron Repair				150+00	SB	LT				1	2	
I-5821	2							154+75	SB	RT	30	X		1		
I-5821	2	162+67	169+56					NO SHOULDER DRAIN NEEDED IN THIS LOCATION								
I-5821	2	169+56	200+76	SB	RT	3,120	3,120	187+11 to 200+76 in new Asp. Sh.							96	
I-5821	2							169+50	SB	RT	30		1			
I-5821	2							175+00	SB	RT	30	X		1		
I-5821	2							178+00	SB	RT	30	X		1		
I-5821	2							185+00	SB	RT	30	X		1		
I-5821	2							190+23	SB	RT		X				
I-5821	2	200+76	242+16					NO NEW SHOULDER DRAIN NEEDED IN THIS LOCATION								
I-5821	2			Concrete Apron Repair				237+25	NB	LT				1		
I-5821	2			Concrete Apron Repair				240+75	NB	LT				1		
MAP 2 TOTALS						16,537	16,537				930		22	13	2	107
I-5821 TOTALS						29,870	29,870				1,740		34	30	6	203



<b>PROJECT REFERENCE NO.</b>	<b>SHEET NO.</b>
I-5821, I-5738, I-5789	8

# SHOULDER DRAIN SUMMARY

PROJECT #	MAP #	STATION	AGGREGATE SHOULDER DRAIN					SHOULDER DRAIN OUTLET LOCATIONS						Remove & Replace Concrete Apron EA	FLOWABLE FILL CY	ASPHALT PLANT MIX, PAVEMENT REPAIR TON
			STATION	LOCATION		SHOULDER DRAIN	4" SHOULDER DRAIN PIPE	STATION	LOCATION		LENGTH OF OUTLET PIPE	OUTLET TYPE				
				LANE	LT or RT	FT	FT		LANE	LT or RT	FT	TIE TO DI	PAD EA			
I-5738	3	10+00	15+00													
I-5738	3	Concrete Apron Repair					13+20	NB	LT					1		
I-5738	3	15+00	65+13	NB	RT	5,013	5,013									
I-5738	3							15+00	NB	RT	30		1			
I-5738	3							17+40	NB	RT	30	X		1		
I-5738	3							26+80	NB	RT	30	X		1		
I-5738	3							32+30	NB	RT	30	X		1		
I-5738	3							37+30	NB	RT	30		1			
I-5738	3							42+30	NB	RT	30		1			
I-5738	3							47+30	NB	RT	30		1			
I-5738	3							53+60	NB	RT	30		1			
I-5738	3							55+60	NB	RT	30		1			
I-5738	3							60+60	NB	RT	30	X		1		
<b>MAP 3 TOTALS</b>						<b>5,013</b>	<b>5,013</b>				<b>300</b>		<b>6</b>	<b>5</b>	<b>0</b>	<b>0</b>
I-5738	6	10+00	31+50													
I-5738	6	Concrete Apron Repair					12+00	SB	LT					1		
I-5738	6	Concrete Apron Repair					15+50	SB	LT					1		
I-5738	6	Concrete Apron Repair					18+50	SB	LT					1		
I-5738	6	Concrete Apron Repair					22+50	SB	LT					1		
I-5738	6	31+50	52+00	SB	RT	2,050	2,050									
I-5738	6							31+50	SB	RT	30		1			
I-5738	6							36+50	SB	RT	30		1			
I-5738	6							40+50	SB	RT	30		1			
I-5738	6							44+50	SB	RT	30	X		1		
I-5738	6							49+50	SB	RT	30	X		1		
I-5738	6	52+00	55+50													
I-5738	6	55+00	67+13	SB	RT	1,213	1,213									
I-5738	6							59+50	SB	RT	30		1			
I-5738	6							62+50	SB	RT	30	X		1		
I-5738	6							67+50	SB	RT	100		1			
<b>MAP 6 TOTALS</b>						<b>3,263</b>	<b>3,263</b>				<b>310</b>		<b>5</b>	<b>7</b>	<b>0</b>	<b>0</b>
<b>I-5738 TOTALS</b>						<b>8,276</b>	<b>8,276</b>				<b>610</b>		<b>11</b>	<b>12</b>	<b>0</b>	<b>0</b>

PROJECT REFERENCE NO.	SHEET NO.
I-5821, I-5738, I-5789	9

# SHOULDER DRAIN SUMMARY

PROJECT #	MAP #	AGGREGATE SHOULDER DRAIN						SHOULDER DRAIN OUTLET LOCATIONS						Remove & Replace Concrete Apron EA	FLOWABLE FILL CY	ASPHALT PLANT MIX, PAVEMENT REPAIR TON
		STATION	STATION	LOCATION		SHOULDER DRAIN FT	4" SHOULDER DRAIN PIPE FT	STATION	LOCATION		LENGTH OF OUTLET PIPE FT	OUTLET TYPE				
				LANE	LT or RT				LANE	LT or RT		TIE TO DI	PAD EA			
I-5789	9	10+00	13+00					NO NEW SHOULDER DRAIN NEEDED IN THIS LOCATION								
I-5789	9	13+00	95+00	NB	RT	8,200	8,200									
I-5789	9							18+00	NB	RT	30		1			
I-5789	9							23+00	NB	RT	30		1			
I-5789	9							28+00	NB	RT	30		1			
I-5789	9							32+00	NB	RT	30		1			
I-5789	9							37+00	NB	RT	30		1			
I-5789	9				LOW PT.			42+00	NB	RT	30		1			
I-5789	9							46+00	NB	RT	30		1			
I-5789	9							49+50	NB	RT	30		1			
I-5789	9							53+50	NB	RT	30		1			
I-5789	9							57+50	NB	RT	30	X		1		
I-5789	9							62+00	NB	RT	30	X		1		
I-5789	9							65+50	NB	RT	30		1			
I-5789	9							69+00	NB	RT	30	X		1		
I-5789	9							74+00	NB	RT	30	X		1		
I-5789	9							79+00	NB	RT	30		1			
I-5789	9				HP 89+00			84+00	NB	RT	30		1			
I-5789	9							92+50	NB	RT	30		1			
I-5789	9							95+00	NB	RT	30		1			
MAP 9 TOTALS						8,200	8,200				540		14	4	0	0
I-5789	10	9+80	47+00					NO NEW SHOULDER DRAIN NEEDED IN THIS LOCATION								
I-5789	10	Concrete Apron Repair						09+80	SB	LT				1		
I-5789	10	Concrete Apron Repair						20+00	SB	LT				1		
I-5789	10	Concrete Apron Repair						25+00	SB	LT				1		
I-5789	10	Concrete Apron Repair						31+25	SB	LT				1		
I-5789	10	Concrete Apron Repair						39+00	SB	LT				1		
I-5789	10	Concrete Apron Repair						41+00	SB	LT				1		
I-5789	10	47+00	96+87	SB	RT	4,987	4,987									
I-5789	10							49+75	SB	RT	30		1			
I-5789	10				LOW PT.			53+75	SB	RT	30		1			
I-5789	10							58+75	SB	RT	30		1			
I-5789	10							63+75	SB	RT	30		1			
I-5789	10							69+00	SB	RT	30	X		1		
I-5789	10							74+00	SB	RT	30		1			
I-5789	10							79+00	SB	RT	30		1			
I-5789	10							84+00	SB	RT	30		1			
I-5789	10							88+00	SB	RT	30		1			
I-5789	10							92+00	SB	RT	30		1			
MAP 10 TOTALS						4,987	4,987				300		9	7	0	0
I-5789 TOTALS						13,187	13,187				840		23	11	0	0
PROJECT GRAND TOTALS						51,333	51,333				3,190		68	53	6	203

PROJECT REFERENCE NO.	SHEET NO.
I-5821, I-5738, I-5789	10

**REMOVAL OF EXISTING SHOULDER DRAIN OUTLET PIPE & CONCRETE PADS FOR SHOULDER DRAIN PIPE OUTLET**

EXISTING SHOULDER DRAIN OUTLET LOCATIONS							
PROJECT #	MAP #	STATION	LOCATION		REMOVAL OF EXISTING SHOULDER DRAIN OUTLET PIPE	REMOVAL OF EXISTING CONCRETE PADS FOR SHOULDER DRAIN PIPE OUTLETS	REMARKS
			LANE	LT or RT	FT	EA	
I-5821	1	11+00	NB	RT	30		OUTLET PIPE TIED TO DI
I-5821	1	15+25	NB	RT	30	1	
I-5821	1	20+25	NB	RT	30	1	
I-5821	1	134+65	NB	RT	30	1	
I-5821	1	139+65	NB	RT	30	1	
I-5821	1	143+00	NB	RT	30	1	
I-5821	1	179+35	NB	RT	30	1	
I-5821	1	184+35	NB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5821	1	189+50	NB	RT	30	1	
I-5821	1	194+50	NB	RT	30	1	
I-5821	1	199+50	NB	RT	30	1	OUTLET NOT FOUND
I-5821	1	205+35	NB	RT	30		OUTLET PIPE TIED TO DI
I-5821	1	211+35	NB	RT	30		OUTLET PIPE TIED TO DI
I-5821	1	215+35	NB	RT	30	1	
I-5821	1	219+35	NB	RT	30	1	
I-5821	1	223+35	NB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5821	1	227+50	NB	RT	30	1	OUTLET NOT FOUND
I-5821	1	231+50	NB	RT	30	1	
I-5821	1	237+00	NB	RT	30	1	OUTLET NOT FOUND
MAP 1 TOTALS					570	14	
I-5821	2	10+00	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5821	2	13+70	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5821	2	20+95	SB	RT	30	1	
I-5821	2	24+90	SB	RT	30	1	
I-5821	2	28+85	SB	RT	30	1	
I-5821	2	32+90	SB	RT	30	1	
I-5821	2	33+70	SB	RT	30	1	
I-5821	2	36+90	SB	RT	30	1	
I-5821	2	40+85	SB	RT	30	1	
I-5821	2	45+90	SB	RT	30	1	
I-5821	2	50+90	SB	RT	30	1	
I-5821	2	55+90	SB	RT	30	1	
I-5821	2	60+90	SB	RT	30	1	
I-5821	2	65+90	SB	RT	30	1	
I-5821	2	70+90	SB	RT	30	1	
I-5821	2	75+90	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5821	2	79+25	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5821	2	85+20	SB	RT	30	1	
I-5821	2	89+20	SB	RT	30	1	
I-5821	2	92+40	SB	RT	30	1	
I-5821	2	96+40	SB	RT	30	1	OUTLET NOT FOUND
I-5821	2	99+90	SB	RT	30	1	OUTLET NOT FOUND
I-5821	2	102+90	SB	RT	30	1	OUTLET NOT FOUND
I-5821	2	107+90	SB	RT	30	1	OUTLET NOT FOUND
I-5821	2	112+55	SB	RT	30	1	
I-5821	2	117+55	SB	RT	30	1	
I-5821	2	149+55	SB	RT	30		OUTLET PIPE TIED TO DI
MAP 2 TOTALS					810	22	
<b>I-5821 TOTALS</b>					<b>1,380</b>	<b>36</b>	

**REMOVAL OF EXISTING SHOULDER DRAIN OUTLET PIPE & CONCRETE PADS FOR SHOULDER DRAIN PIPE OUTLET**

EXISTING SHOULDER DRAIN OUTLET LOCATIONS							
PROJECT #	MAP #	STATION	LOCATION		REMOVAL OF EXISTING SHOULDER DRAIN OUTLET PIPE	REMOVAL OF EXISTING CONCRETE PADS FOR SHOULDER DRAIN PIPE OUTLETS	REMARKS
			LANE	LT or RT	FT	EA	
I-5738	3	15+00	NB	RT	30	1	OUTLET NOT FOUND
I-5738	3	17+53	NB	RT	30		OUTLET PIPE TIED TO DI
I-5738	3	26+72	NB	RT	30		OUTLET PIPE TIED TO DI
I-5738	3	27+77	NB	RT	30	1	
I-5738	3	32+60	NB	RT	30	1	
I-5738	3	36+75	NB	RT	30	1	OUTLET NOT FOUND
I-5738	3	41+75	NB	RT	30	1	
I-5738	3	46+80	NB	RT	30	1	
I-5738	3	53+70	NB	RT	30	1	
I-5738	3	57+45	NB	RT	30	1	OUTLET NOT FOUND
I-5738	3	62+45	NB	RT	30	1	OUTLET NOT FOUND
MAP 3 TOTALS					330	9	
I-5738	6	31+59	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5738	6	35+59	SB	RT	30	1	OUTLET NOT FOUND
I-5738	6	39+59	SB	RT	30	1	OUTLET NOT FOUND
I-5738	6	44+47	SB	RT	30		OUTLET PIPE TIED TO DI
I-5738	6	49+50	SB	RT	30		OUTLET PIPE TIED TO DI
I-5738	6	57+25	SB	RT	30	1	OUTLET NOT FOUND
I-5738	6	59+86	SB	RT	30	1	
I-5738	6	62+40	SB	RT	30		OUTLET PIPE TIED TO DI
I-5738	6	66+75	SB	RT	30	1	OUTLET NOT FOUND
MAP 6 TOTALS					270	5	
I-5738 TOTALS					600	14	
I-5789	9	18+25	NB	RT	30	1	
I-5789	9	23+24	NB	RT	30	1	
I-5789	9	28+22	NB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5789	9	33+21	NB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5789	9	38+15	NB	RT	30	1	
I-5789	9	41+90	NB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5789	9	45+85	NB	RT	30	1	
I-5789	9	50+80	NB	RT	30	1	
I-5789	9	55+80	NB	RT	30	1	
I-5789	9	60+80	NB	RT	30	1	
I-5789	9	65+75	NB	RT	30	1	
I-5789	9	70+70	NB	RT	30	1	
I-5789	9	75+65	NB	RT	30	1	
I-5789	9	80+65	NB	RT	30	1	
I-5789	9	84+65	NB	RT	30	1	
I-5789	9	91+97	NB	RT	30	1	
I-5789	9	94+50	NB	RT	30	1	
MAP 9 TOTALS					510	14	
I-5789	10	49+70	SB	RT	30	1	
I-5789	10	53+30	SB	RT	30	1	
I-5789	10	56+45	SB	RT	30	1	
I-5789	10	60+40	SB	RT	30	1	
I-5789	10	65+40	SB	RT	30	1	
I-5789	10	70+35	SB	RT	30	1	
I-5789	10	75+40	SB	RT	30	1	
I-5789	10	80+30	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5789	10	85+35	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
I-5789	10	90+45	SB	RT	30		NO EXISTING CONCRETE OUTLET PAD
MAP 10 TOTALS					300	7	
I-5789 TOTALS					810	21	
PROJECT GRAND TOTALS					2,790	71	











PROJECT NO.	SHEET NO.	TOTAL NO.
I-5821, I-5738, I-5789	16	

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4697000000-E	4710000000-E	4725000000-E			4800000000-N	4805000000-N					4815000000-E		4820000000-E	4825000000-E					
										8" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO RAMP ARROW EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, "ONLY" TYPE II EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, MERGE LT, TYPE II EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, RT ARROW, TYPE II EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, RAMP ARROW, TYPE II EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, LT ARROW, TYPE II EA	6" WHITE PAINT LF	6" YELLOW PAINT LF	8" WHITE PAINT LF	12" WHITE PAINT LF						
50464.3.1	Guilford	1	I-85 NB	FROM RANDOLPH COUNTY LINE TO KIVETT DR.	1	3	MD	0.271	36						8	3	4				72,832	47,394		7,084					
					1	3	MD	0.261	42																				
					1	4	MD	0.041	48																				
					1	4	MD	0.236	48																				
					1	4	MD	0.052	48																				
					1	3	MD	0.277	36																				
					1	3	MD	0.128	36																				
					1	3	MD	0.115	36																				
					1	3	MD	0.019	36																				
					1	3	MD	0.062	36																				
					1	3	MD	0.028	36																				
					1	3	MD	0.087	36																				
					1	3	MD	0.405	36																				
					1	4	MD	0.073	48																				
					1	4	MD	0.232	48																				
					1	3	MD	0.707	36																				
					1	3	MD	0.057	36																				
	1	3	MD	1.395	36																								
	1	3	MD	0.042	36																								
<b>TOTAL FOR MAP NO. 1</b>								<b>4.488</b>						<b>8</b>	<b>3</b>	<b>4</b>				<b>72,832</b>	<b>47,394</b>		<b>7,084</b>						
50464.3.1	Guilford	2	I-85 SB	FROM KIVETT DR. TO RANDOLPH COUNTY LINE (BRIDGE OVER KIVETT DR.)	1	3	MD	0.041	36							8					73,102	46,870		4,300					
					1	3	MD	1.317	36																				
					1	3	MD	0.069	36																				
					1	3	MD	0.059	36																				
					1	3	MD	0.009	36																				
					1	3	MD	0.018	36																				
					1	3	MD	0.015	36																				
					1	3	MD	0.62	36																				
					1	4	MD	0.299	48																				
					1	3	MD	0.484	36																				
					1	3	MD	0.041	36																				
					1	3	MD	0.062	36																				
					1	3	MD	0.028	36																				
					1	3	MD	0.332	36																				
					1	3	MD	0.259	36																				
					1	3	MD	0.069	48																				
					1	4	MD	0.014	48																				
					1	4	MD	0.034	48																				
					1	4	MD	0.013	48																				
					1	4	MD	0.143	48																				
	1	4	MD	0.033	48																								
	1	5	MD	0.114	60																								
	1	4	MD	0.055	54																								
	1	3	MD	0.285	42																								
	1	3	MD	0.025	36																								
<b>TOTAL FOR MAP NO. 2</b>								<b>4.438</b>							<b>8</b>						<b>73,102</b>	<b>46,870</b>		<b>4,300</b>					
<b>TOTAL FOR PROJ NO. I-5821</b>								<b>8.926</b>							<b>8</b>	<b>11</b>	<b>4</b>				<b>145,934</b>	<b>94,264</b>		<b>11,384</b>					
															15					240,198									





