

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

09_08/2019

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

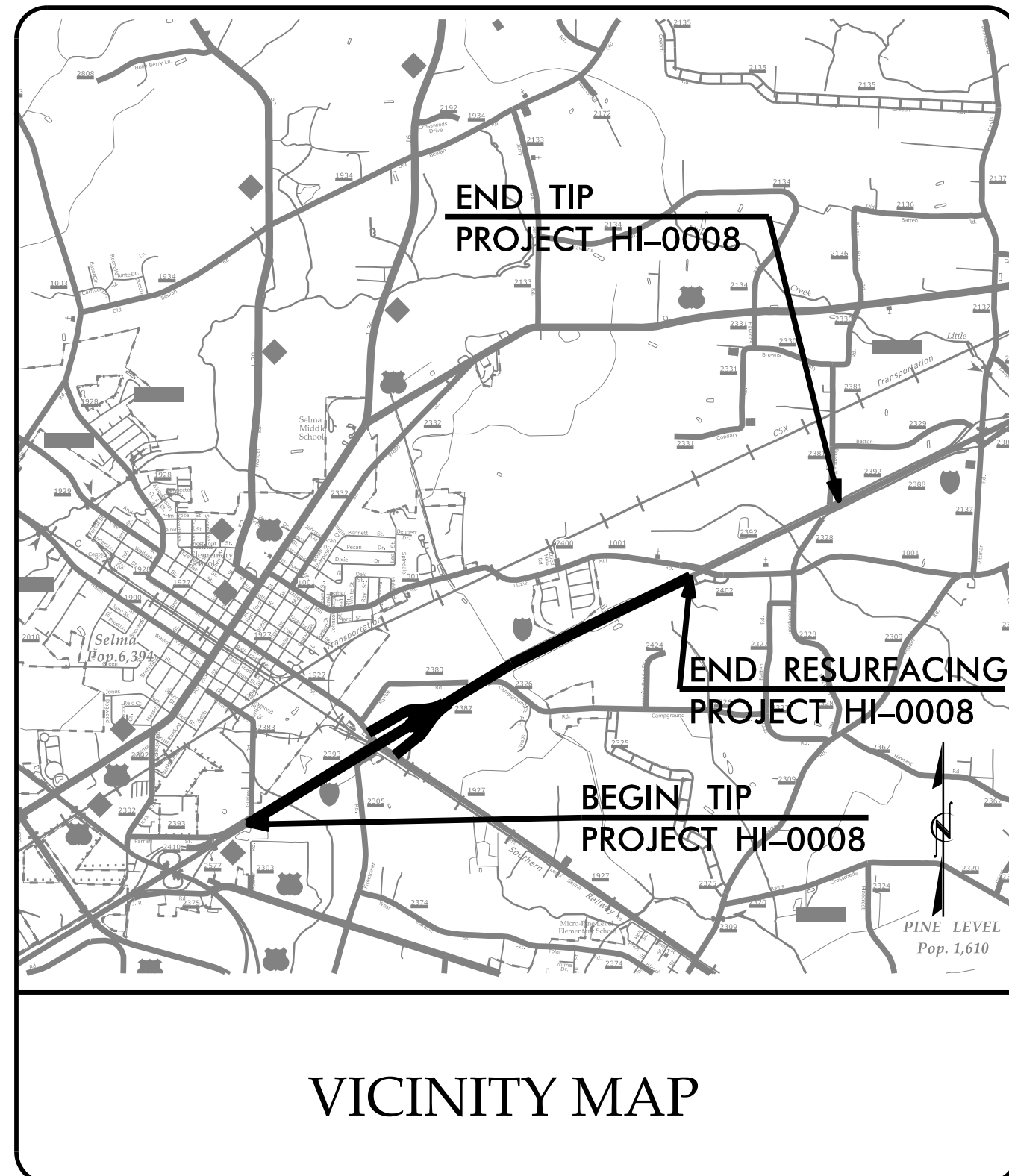
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HI-0008	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49633.1.1	0095077	PE	
49633.3.1	0095077	CONST.	

JOHNSTON COUNTY

LOCATION: HI-0008 - I-95 FROM MILE MARKER 97 TO MILE MARKER 101

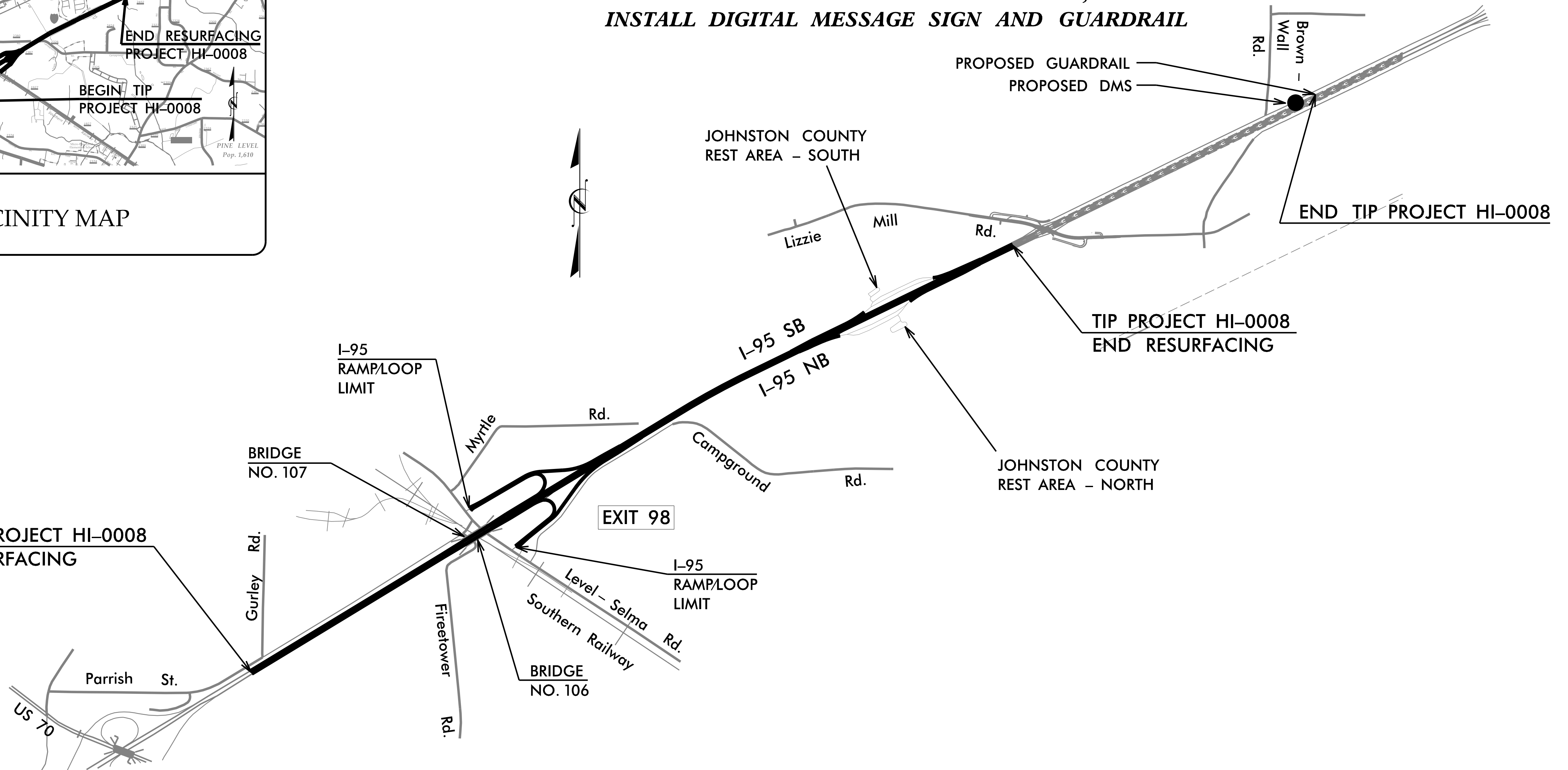
TYPE OF WORK: PAVEMENT AND BRIDGE REHABILITATION,
INSTALL DIGITAL MESSAGE SIGN AND GUARDRAIL

TIP PROJECT: HI-0008

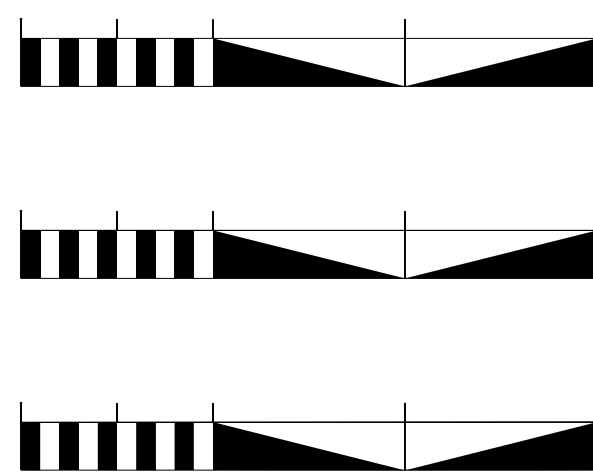


CONTRACT: C204650

BEGIN TIP PROJECT HI-0008
BEGIN RESURFACING



NOT TO SCALE



DESIGN DATA

FUNC CLASS =
INTERSTATE

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT HI-0008 = 2.363 MILES
 LENGTH STRUCTURE TIP PROJECT HI-0008 = 0.154 MILES
 TOTAL LENGTH TIP PROJECT HI-0008 = 2.517 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
 1000 Birch Ridge Dr., Raleigh NC, 27610

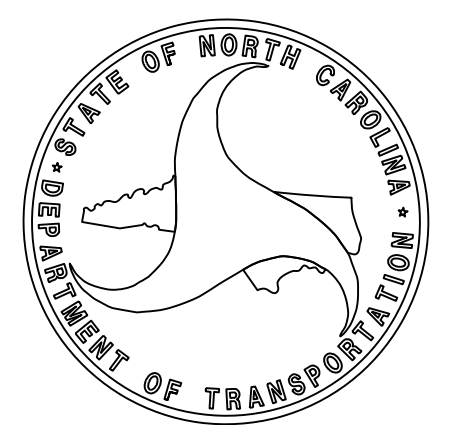
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
SEPTEMBER 20, 2022

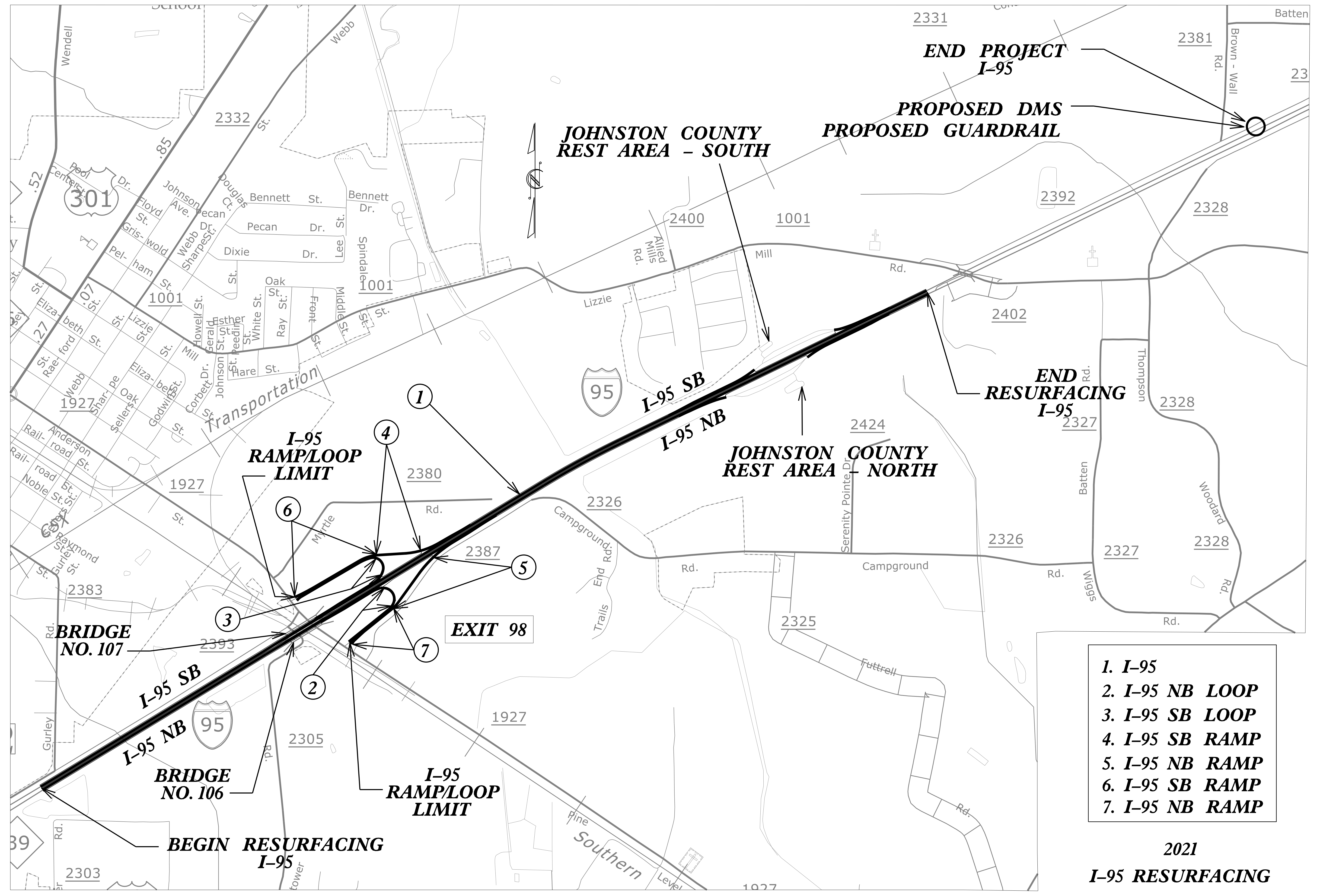
R.K. MURPHY, JR., PE
PROJECT ENGINEER

SCOTT L. KENNEDY
PROJECT DESIGN ENGINEER



8/10/2022
I:\PROJ\HI-0008_Rdy_TSH_01.dgn
USER:SKENNEDY

8/17/99
 REVISIONS
 9/2/2021
 I:\Projects\HI-0008_Rdwy_TSH_02.dgn
 I:\Users\jcm\



- 1. I-95
- 2. I-95 NB LOOP
- 3. I-95 SB LOOP
- 4. I-95 SB RAMP
- 5. I-95 NB RAMP
- 6. I-95 SB RAMP
- 7. I-95 NB RAMP

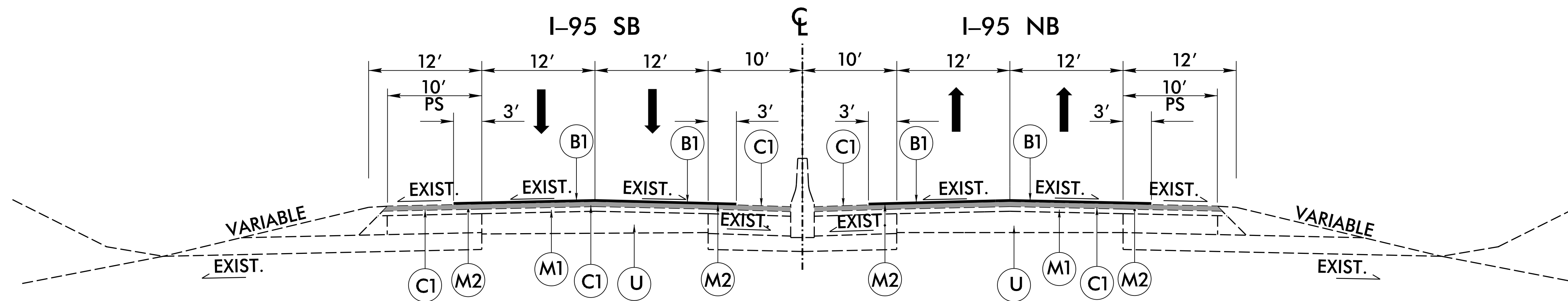
2021
I-95 RESURFACING

PAVEMENT SCHEDULE

(FINAL PAVEMENT DESIGN)

B1	¾" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT A RATE OF 90 LBS. PER SQ. YD.
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
M1	MILL 1.5" OF EXISTING ASPHALT PAVEMENT
M2	MILLED RUMBLE STRIPS
U	EXISTING PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

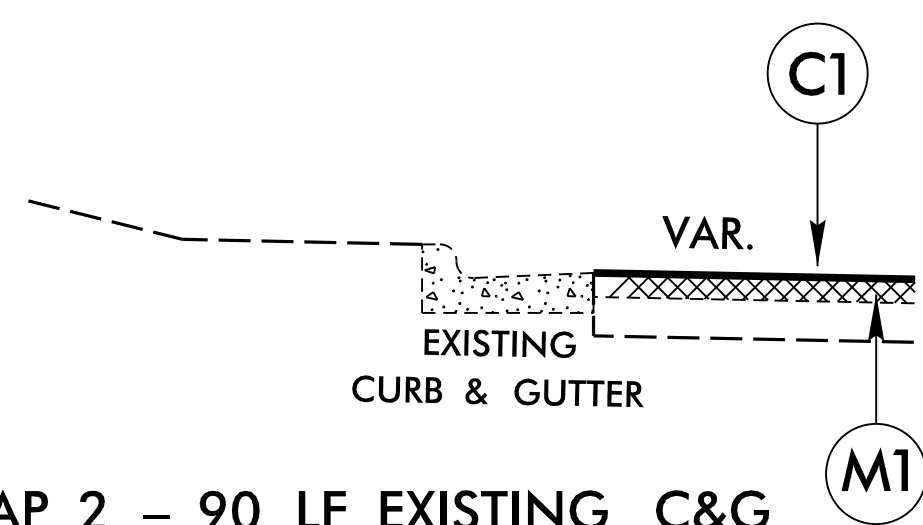


TYPICAL SECTION NO. 1

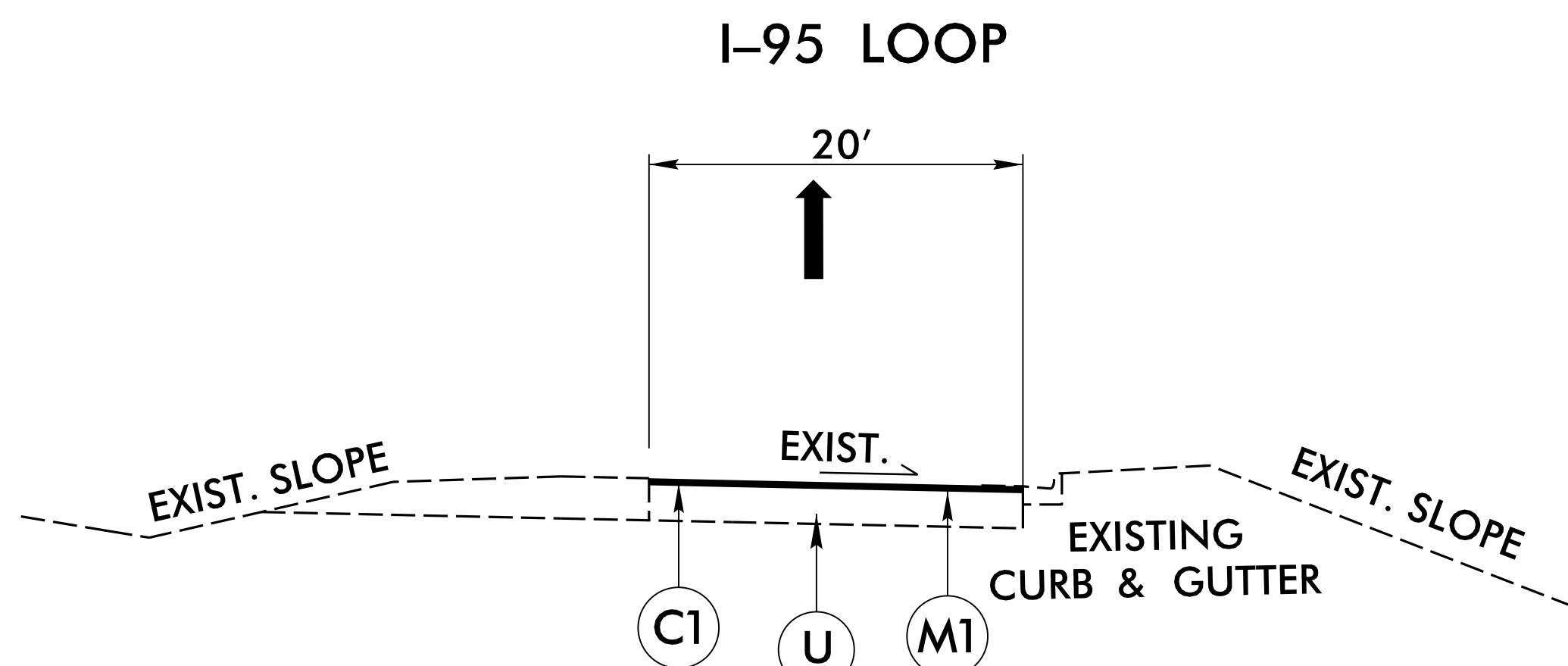
USE TYPICAL SECTION NO. 1

MAP 1

EXIT #98



MAP 2 - 90 LF EXISTING C&G



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

MAP 2

REVISIONS

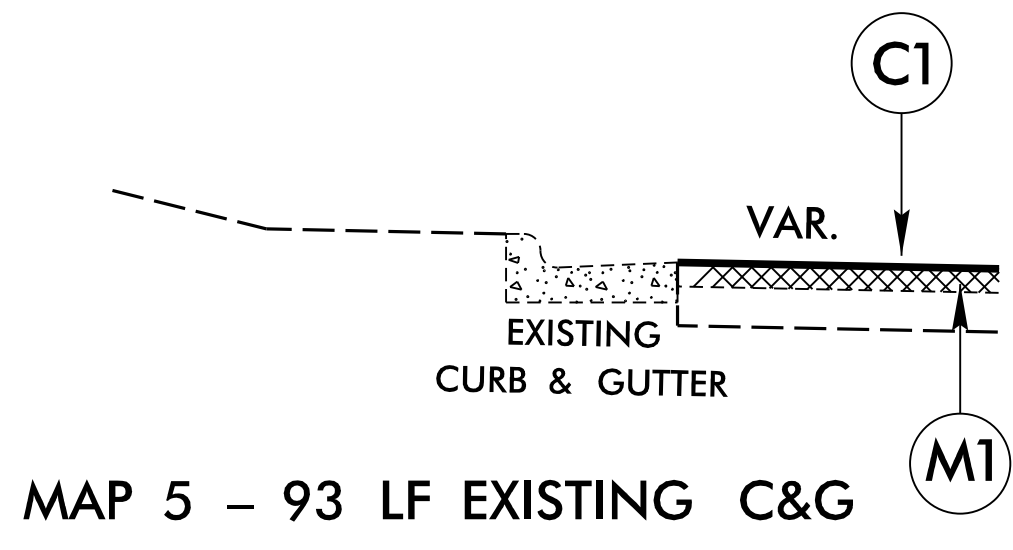
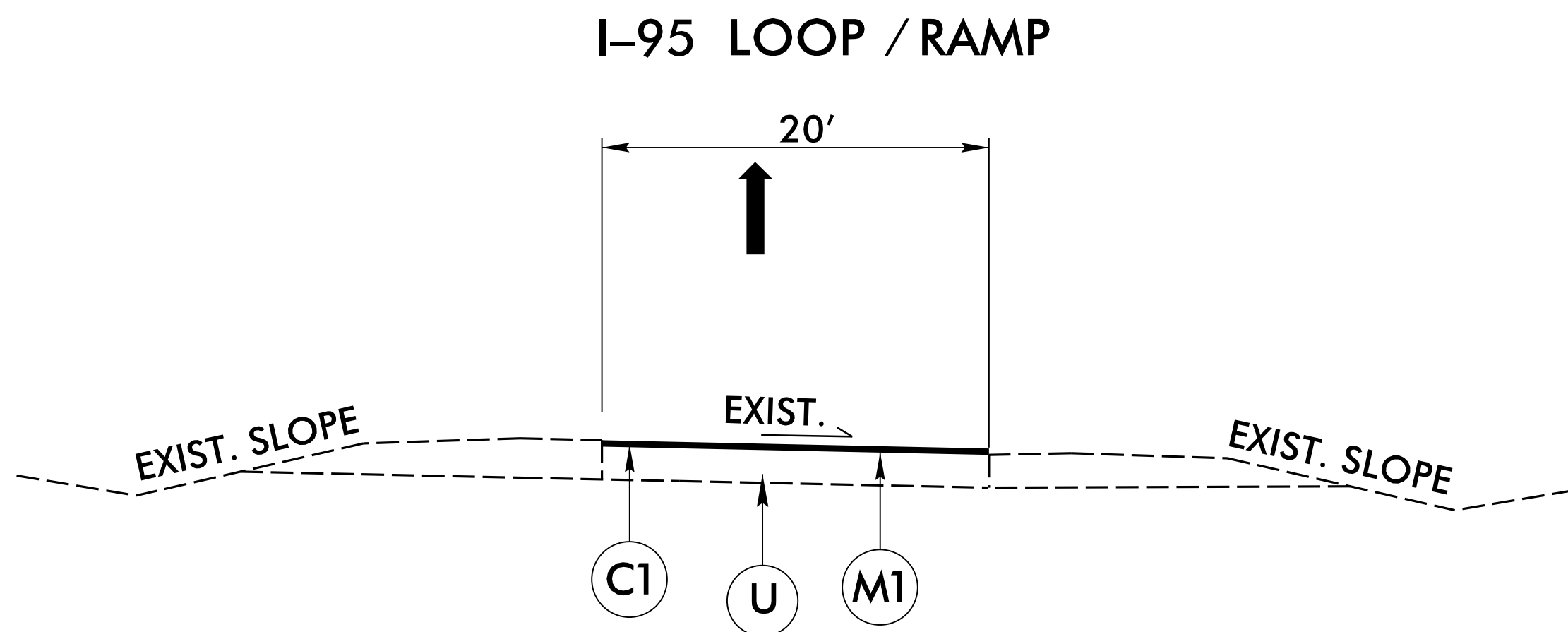
9/21/2008 Bdy_psh02a-1_Type.dgn
11:51:11 AM

PAVEMENT SCHEDULE	
C1	1½" S9.5D
M1	MILL 1½"
U	EX. PAVEMENT

8/17/99

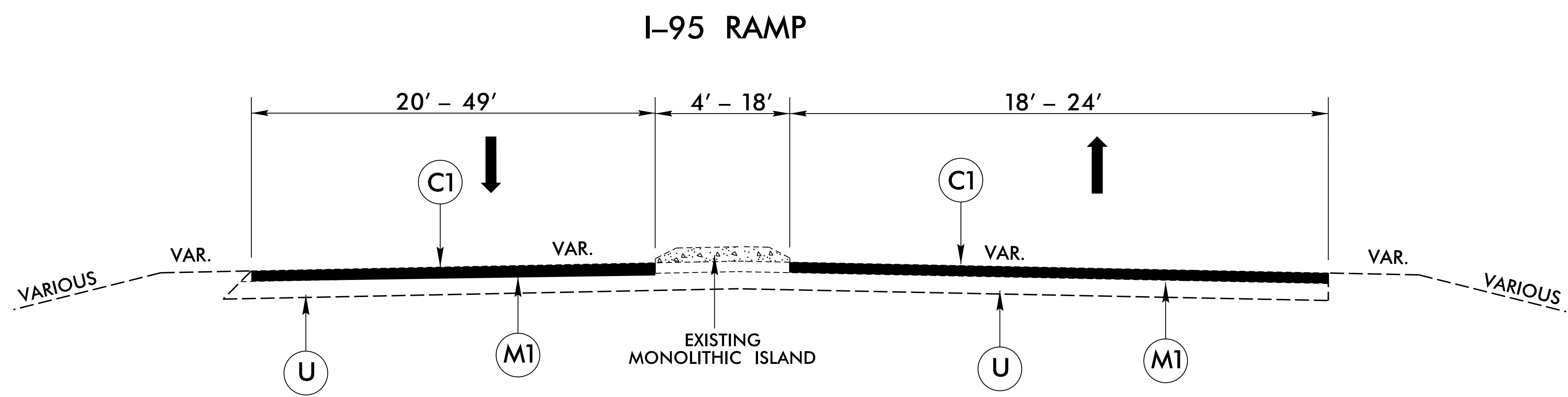
REVISIONS

9/21/2008, Rdy_psh02a-2_Typ.dgn
11:51:11 AM



TYPICAL SECTION NO. 3

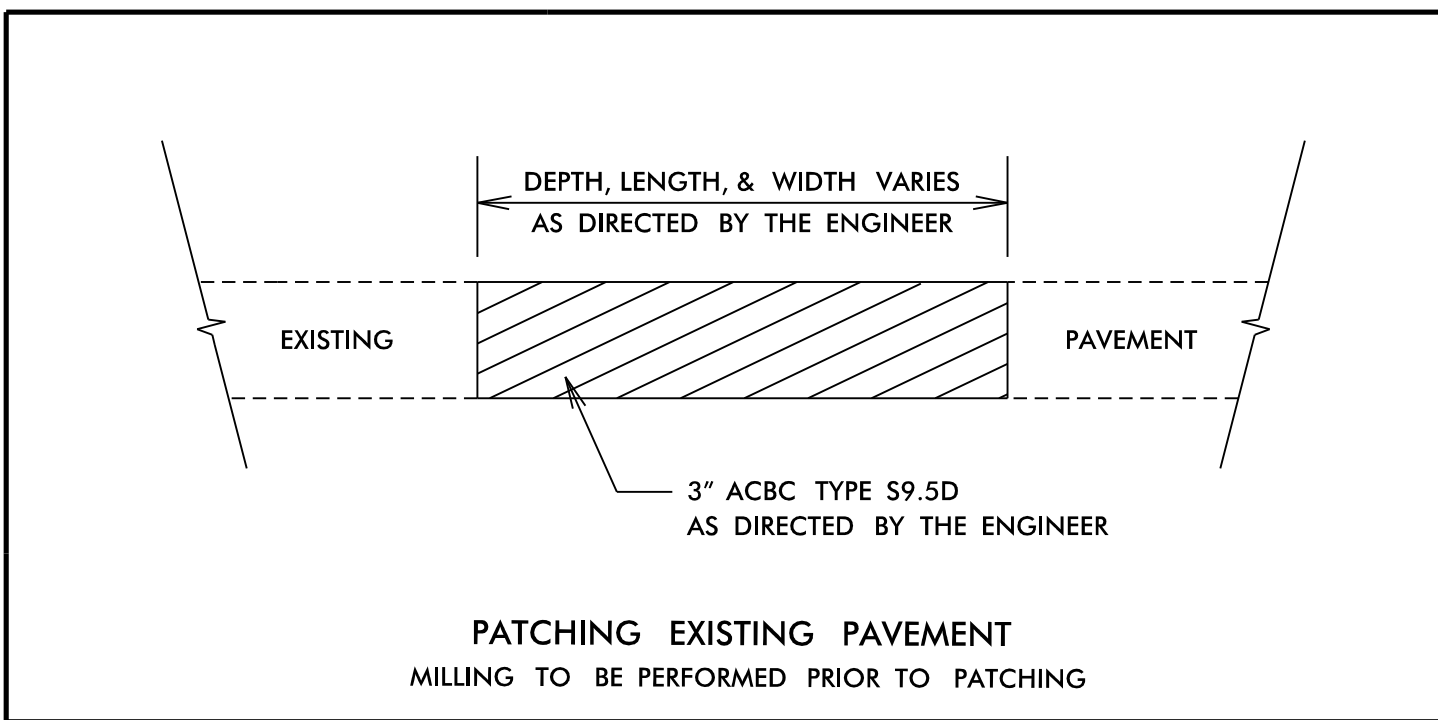
USE TYPICAL SECTION NO. 3
MAP 3, 4 AND 5



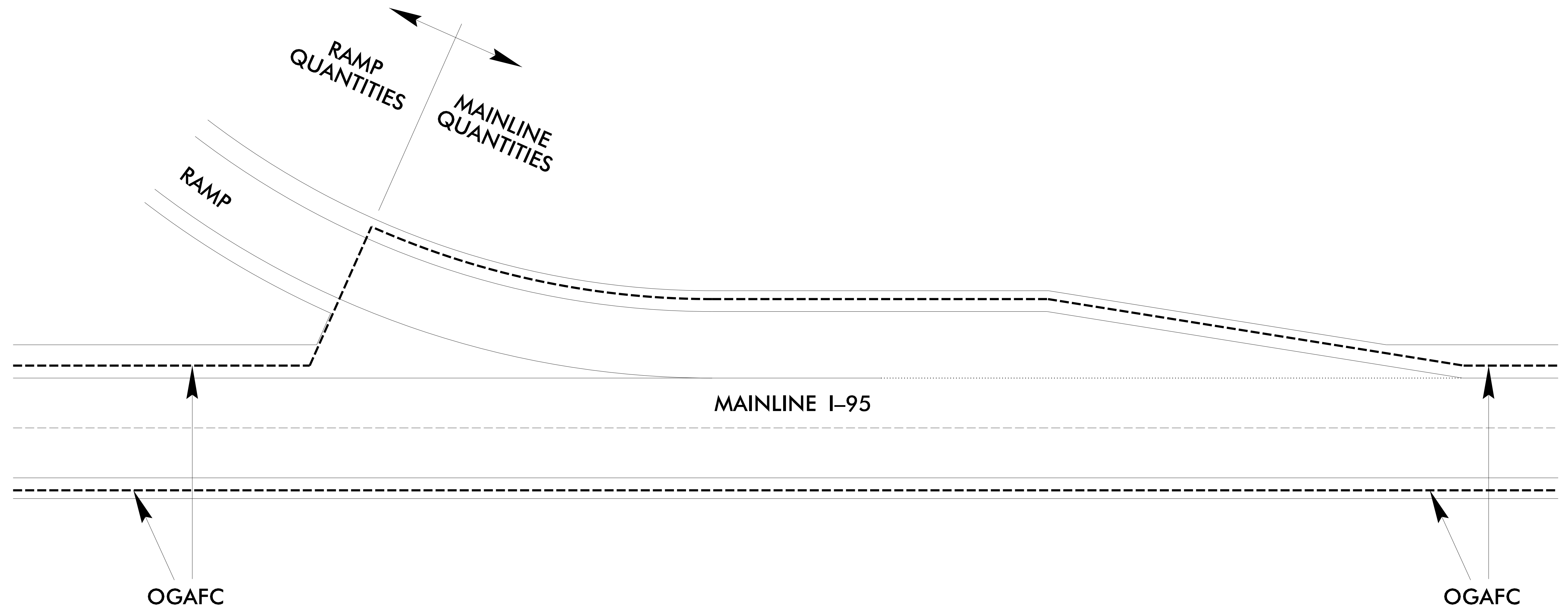
EXIT #98

TYPICAL SECTION NO. 4

USE TYPICAL SECTION NO. 4
MAP 6 AND 7



PAVING LIMITS FOR OPEN-GRADED FRICTION COURSE AT EXIT AND ENTRANCE RAMPS & LOOPS



REVISIONS

NOT TO SCALE

8/17/99
8/14/2001
8/14/2008 Edy_psh02a-3_Typ.dgn
I:\S\Bakken\ed

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

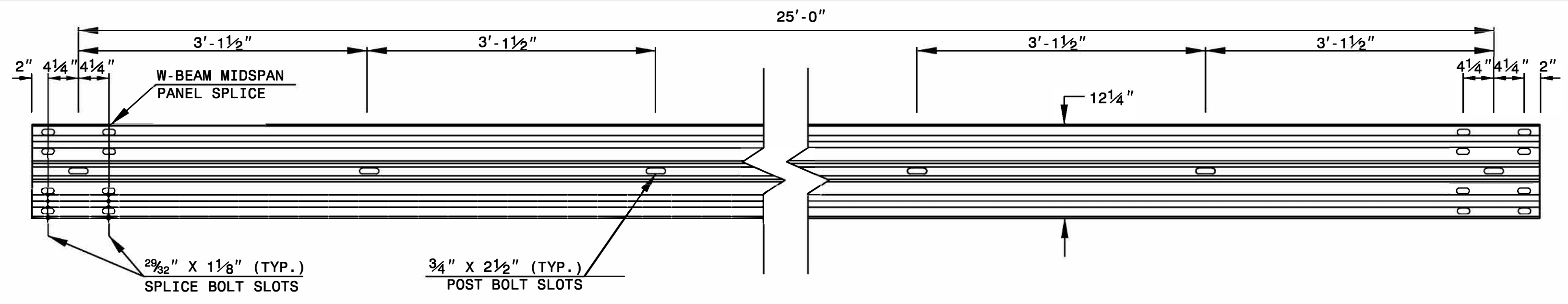
ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 6 OF 8
862D02

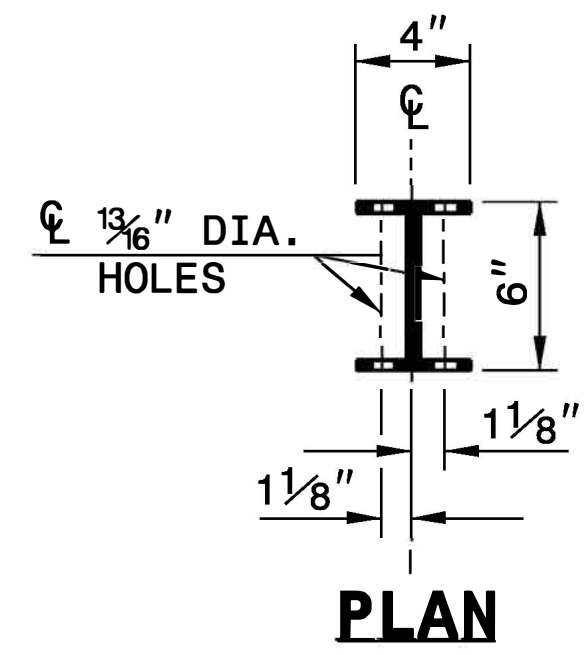
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

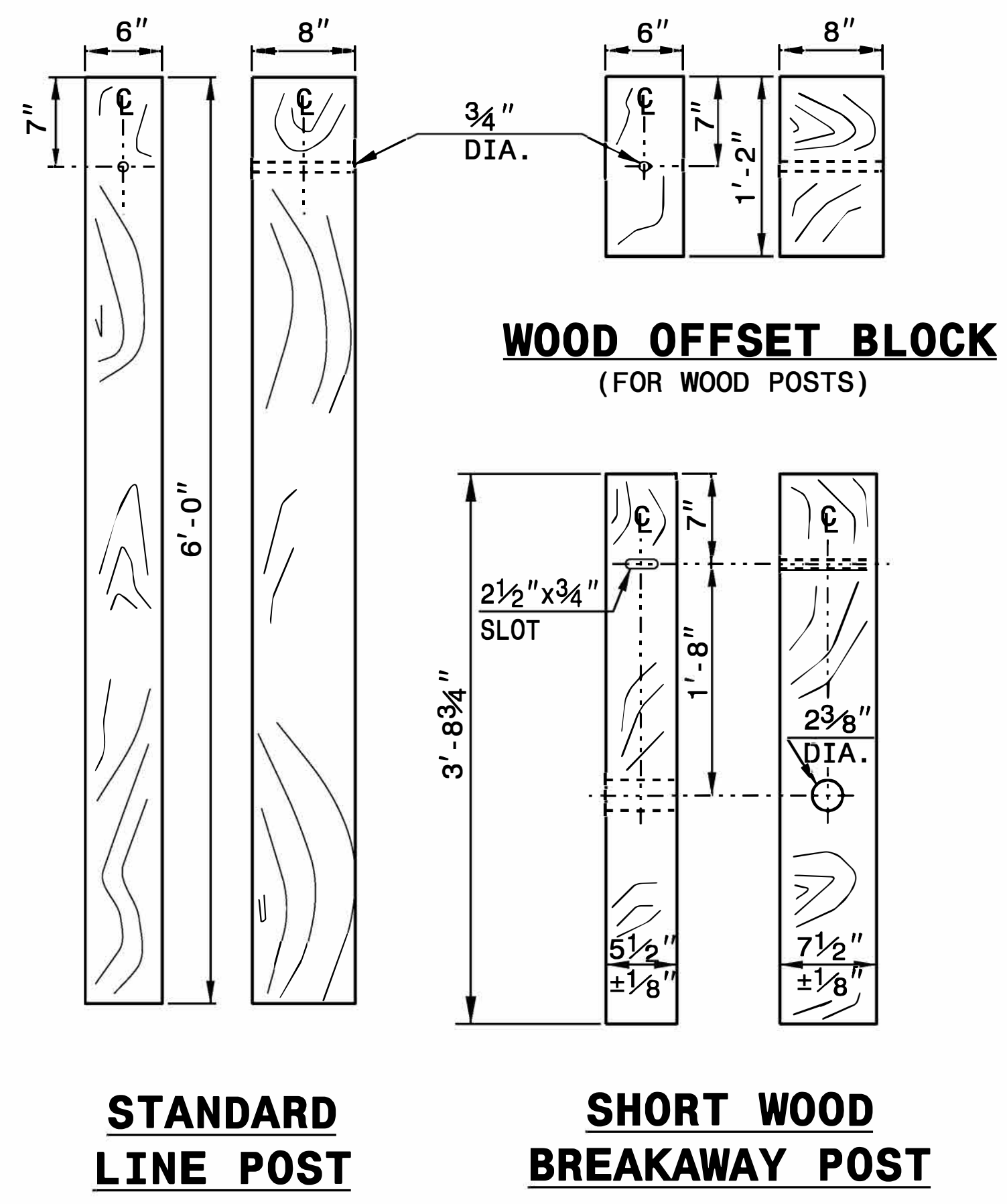
SHEET 6 OF 8
862D02



STANDARD W-BEAM GUARDRAIL



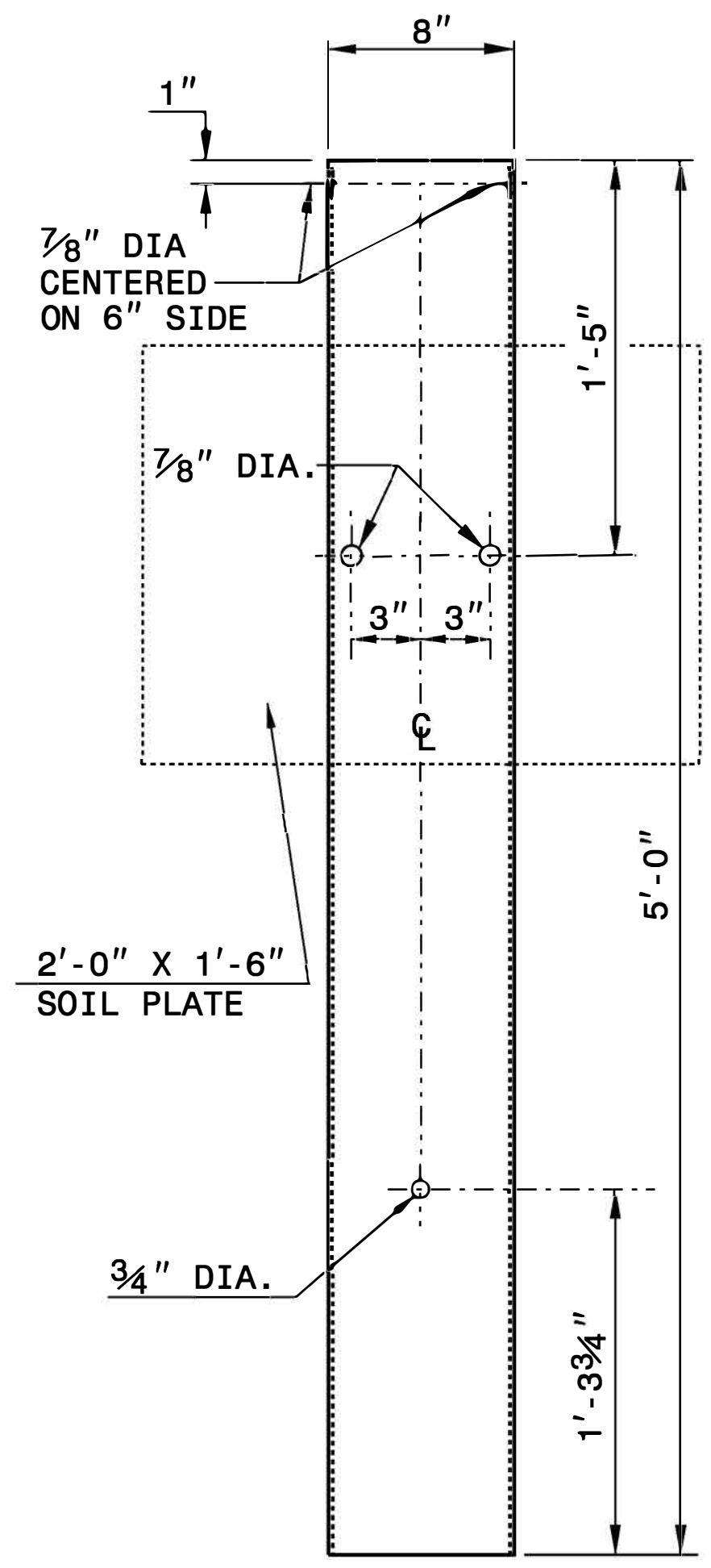
PLAN



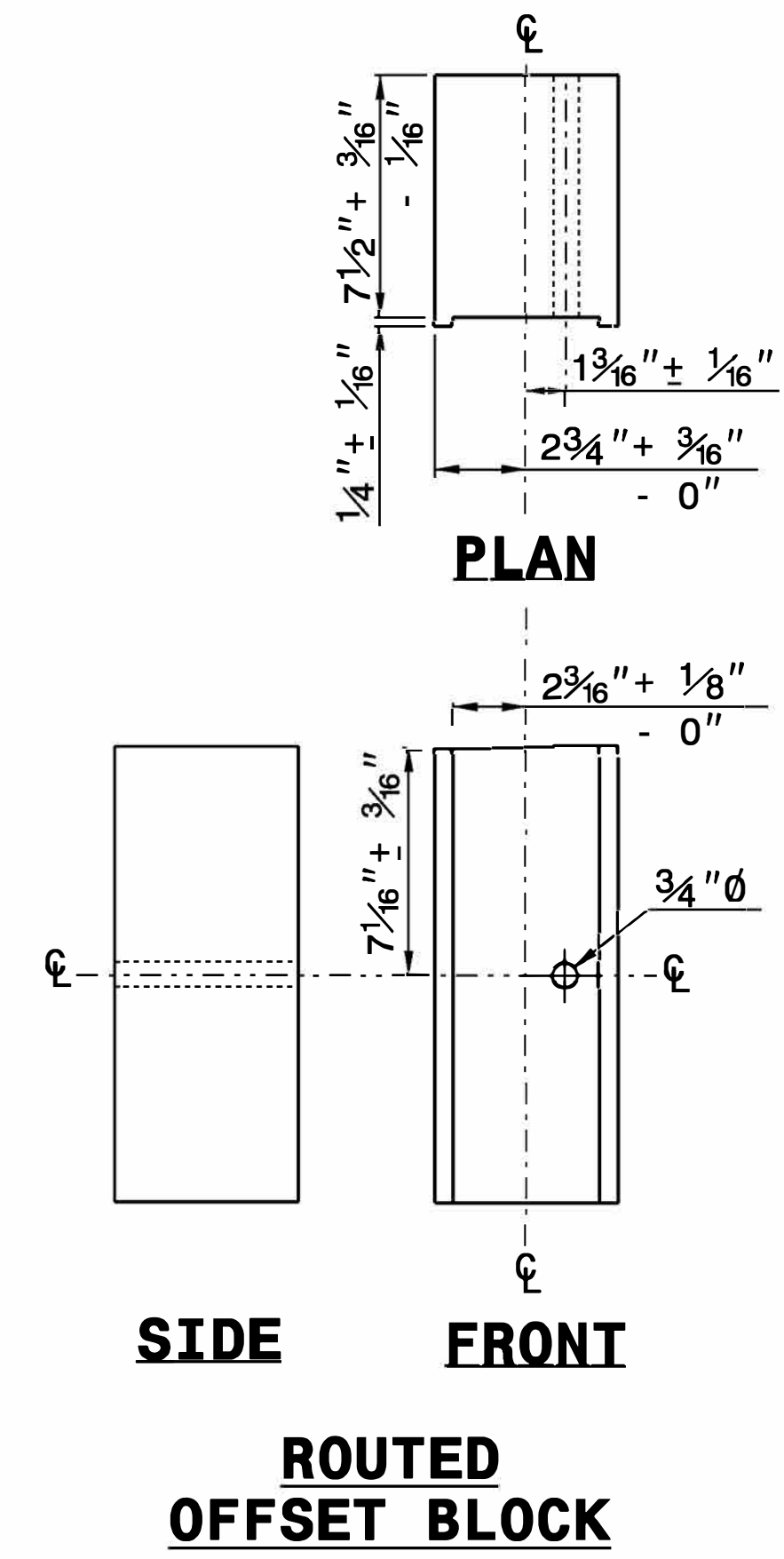
**WOOD OFFSET BLOCK
(FOR WOOD POSTS)**

**STANDARD
LINE POST**

**SHORT WOOD
BREAKAWAY POST**



**STEEL TUBE
TS 6"x8"x0.1875"**

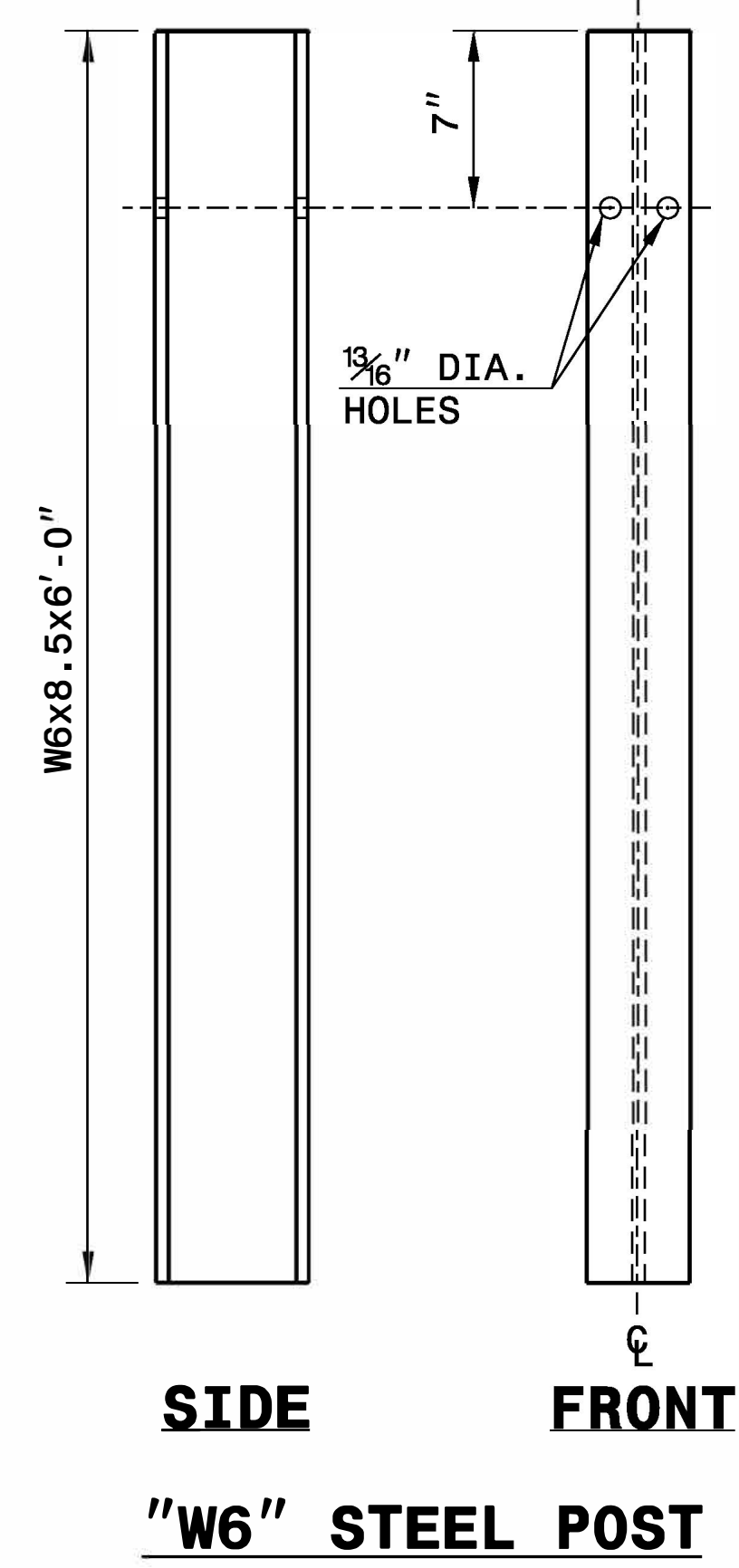


PLAN

SIDE

FRONT

**ROUTED
OFFSET BLOCK**

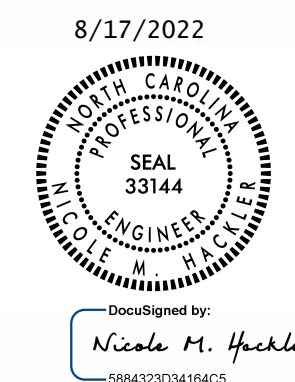


SIDE

FRONT

"W6" STEEL POST

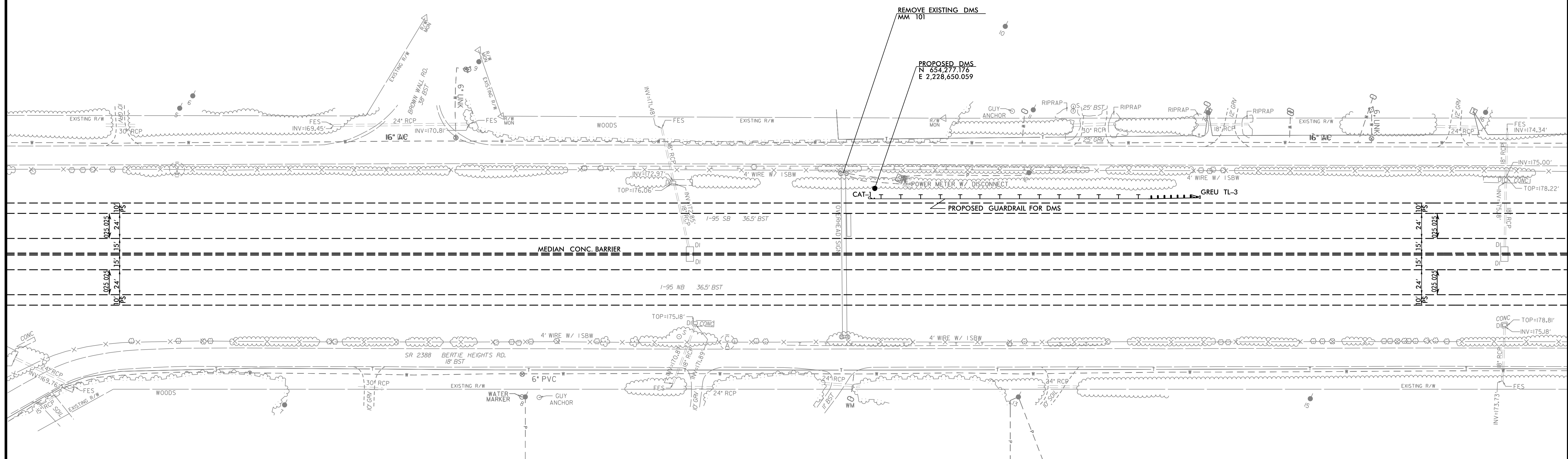
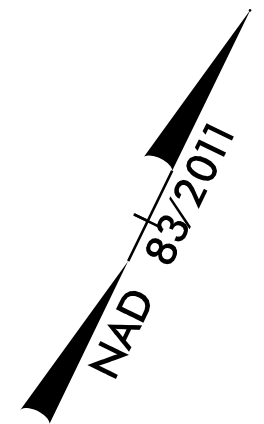
SYSTEM PARTS



**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: J. HOWERTON DATE: 3-7-2018
MODIFIED BY: DATE: _____
CHECKED BY: DATE: _____
FILE SPEC.: _____



NOTE:
REFER TO ROADWAY STANDARD DRAWING 1101.03, SHEET 9 OF 9 OR SHEETS TMP-01 AND TMP-02 FOR MAINTENANCE OF TRAFFIC FOR DMS SIGN RELOCATION OPERATIONS.

9/19/2021 HI-0008_Rdy_psh04.dgn
11:51:11 AM

SUMMARY OF QUANTITIES

																			PROJECT NO.		SHEET NO.	TOTAL NO.					
																			HI-0008	49633.3.1	5						
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL SECTION NO.	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1297000000-E	1524200000-E	1577000000-E	1662000000-E	1704000000-E	1840000000-E	3030000000-E	3150000000-N	3210000000-N	3287000000-N	4400000000-E	4405000000-E	4410000000-E	4413000000-E		
												MILLING ASPHALT PAVEMENT, 1.5" DEPTH	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MOD	PATCHING EXIST PVT	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	STEEL BEAM GUARDRAIL	ADDIT GUARDRAIL POSTS	GR END TYPE CAT-1	GUARDRAIL END UNITS, TYPE TL-3	STATIONARY WORK ZONE SIGNS	WORK ZONE SIGNS (PORTABLE)	WORK ZONE SIGNS (BARRICADE MOUNTED)	WORK ZONE ADVANCE / GENERAL WARNING SIGNING		
										MI	FT	SY	TON	TON	TON	TON	LF	LF	EA	EA	EA	SF	SF	SF	SF		
HI-0008 49633.1.1	JOHNSTON	1	I-95	MILE MARKER 97 TO MILE MARKER 101	1	4		NO	NO	2.44	92	133,777	11,240	850	3,320	570	49,620	262.50	5	1	1	10	1,060	240	224		
TOTAL FOR MAP NO. 1												2.44	133,777	11,240	850	3,320	570	49,620	262.50	5	1	1	10	1,060	240	224	
HI-0008 49633.1.1	JOHNSTON	2	I-95 NB LOOP	I-95 NB LOOP	2	1		NO	NO	0.53	20	746	70	5		6											
TOTAL FOR MAP NO. 2												0.53	746	70	5		6										
HI-0008 49633.1.1	JOHNSTON	3	I-95 SB LOOP	I-95 SB LOOP	3	1		NO	NO	0.53	20	620	60	5		5											
TOTAL FOR MAP NO. 3												0.53	620	60	5		5										
HI-0008 49633.1.1	JOHNSTON	4	I-95 SB RAMP	I-95 SB RAMP	3	1		NO	NO	0.11	20	1,231	110	10		8											
TOTAL FOR MAP NO. 4												0.11	1,231	110	10		8										
HI-0008 49633.1.1	JOHNSTON	5	I-95 NB RAMP	I-95 NB RAMP	3	1		NO	NO	0.16	20	1,846	160	10		10											
TOTAL FOR MAP NO. 5												0.16	1,846	160	10		10										
HI-0008 49633.1.1	JOHNSTON	6	I-95 SB RAMP	I-95 SB RAMP	4	1		NO	NO	0.22	38-73	5,192	440	30		25											
TOTAL FOR MAP NO. 6												0.22	5,192	440	30		25										
HI-0008 49633.1.1	JOHNSTON	7	I-95 NB RAMP	I-95 NB RAMP	4	1		NO	NO	0.13	38-73	3,351	290	20		18											
TOTAL FOR MAP NO. 7												0.13	3,351	290	20		18										
TOTAL										4.12		146,763	12,370	930	3,320	642	49,620	262.50	5	1	1	10	1,060	240	224		
PAY ITEM TOTAL												146,763	12,370	930	3,320	642	49,620	262.50	5	1	1	10	1,060	240	224		

SUMMARY OF QUANTITIES

															PROJECT NO.		SHEET NO.	TOTAL NO.																				
															HI-0008		49633.3.1	7																				
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL SECTION NO.	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH		WIDTH		4688000000-E	4688000000-E	4700000000-E	4725000000-E	4725000000-E	4725000000-E	4725000000-E	4725000000-E	4815000000-E	4815000000-E	4825000000-E	4890000000-E	4890000000-E	4891000000-E	4895000000-N	5255200000-N									
										MI	FT	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
HI-0008 49633.1.1	JOHNSTON	1	I-95	MILE MARKER 97 TO MILE MARKER 101	1	4		NO	NO	2.44	92			36,280	27,420	4,520			12			36,280	27,420	4,520	1,120	890		830										
TOTAL FOR MAP NO. 1										2.44				36,280	27,420	4,520			12			36,280	27,420	4,520	1,120	890		830										
HI-0008 49633.1.1	JOHNSTON	2	I-95 NB LOOP	I-95 NB LOOP	2	1		NO	NO	0.53	20				370																							
TOTAL FOR MAP NO. 2										0.53					370																							
HI-0008 49633.1.1	JOHNSTON	3	I-95 SB LOOP	I-95 SB LOOP	3	1		NO	NO	0.53	20			280	310																							
TOTAL FOR MAP NO. 3										0.53				280	310																							
HI-0008 49633.1.1	JOHNSTON	4	I-95 SB RAMP	I-95 SB RAMP	3	1		NO	NO	0.11	20			620	630																							
TOTAL FOR MAP NO. 4										0.11				620	630																							
HI-0008 49633.1.1	JOHNSTON	5	I-95 NB RAMP	I-95 NB RAMP	3	1		NO	NO	0.16	20			910	910																							
TOTAL FOR MAP NO.5										0.16				910	910																							
HI-0008 49633.1.1	JOHNSTON	6	I-95 SB RAMP	I-95 SB RAMP	4	1		NO	NO	0.22	38-73			2,540	2,550			1	3		1										20							
TOTAL FOR MAP NO. 6										0.22				2,540	2,550			1	3		1														20			
HI-0008 49633.1.1	JOHNSTON	7	I-95 NB RAMP	I-95 NB RAMP	4	1		NO	NO	0.13	38-73			1,430	1,570			1	3		1								40	20								
TOTAL FOR MAP NO. 7										0.13				1,430	1,570			1	3		1											40	20					
TOTAL										4.12				42,060	33,760	4,520	2	6	12	2	36,280	27,420	4,520	1,120	890	40	870	1										
PAY ITEM TOTAL														75,820	4,520	22.00				63,700	4,520		2,010	40	870	1												