



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

December 1, 2023

**Addendum No. 1**

Contract No.: DA00593

WBS Element: 2024CPT.01.13.10281

*Milling, Widening, Resurfacing, Shoulder Reconstruction, Guardrail & Long Life Pavement Markings on US 64 in Dare County*

To Whom It May Concern:

Reference is made to the proposal and plans previously furnished for this project.

The following revisions have been made to the proposal and plans:

Pages No. 111 - 112 "Bid Form" have been revised. The quantities associated with MAP #1 have been deleted, as this work will be included with the Alligator River Bridge replacement project. Please replace the original Pages No. 111 - 112 "Bid Form" with the attached revised Pages No. 111 - 112 "Bid Form".

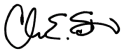
Plan Sheet No. 1 "Title Sheet" has been revised to delete MAP #1 and renumber MAP #2. Please replace the original Plan Sheet No. 1 "Title Sheet" with the attached revised Plan Sheet No. 1 "Title Sheet".

Plan Sheet No. 2 "Original Typical Section #1" has been deleted since MAP #1 quantities have been removed. Original Plan Sheet No. 3 "Typical Section #2" has been renumbered and is now "Typical Section #1". A construction sequence has been included to clarify the responsibilities of the contractor. Please replace the original Plan Sheet No. 2 "Typical Section #1" with the attached revised Plan Sheet No. 2 "Typical Section #1".

Plan Sheets No. 3 - 6 have been revised to update the Page Numbers only. Please replace the original Plan Sheets No. 3 - 6 with the attached revised Plan Sheets No. 3 - 6.

Plan Sheet No. 7 "Summary of Quantities" has been revised. The quantities associated with MAP #1 have been deleted, as this work will be included with the Alligator River Bridge replacement project. The Page Number has also been revised. Please replace the Original Plan Sheet No. 7 with the attached revised Plan Sheet No. 7 "Summary of Quantities".

Sincerely,

DocuSigned by:  
  
CDAEAC77A6394FB...

C. E. Slachta  
Division Planning Engineer

Cc: C. W. Bridgers, Jr., PE  
R. K. Sawyer, PE  
R. W. Midgett, PE  
M. B Gill, PE  
B. N. Braswell, PE  
D. B. Otts, PE  
C. A. Spear, PE  
C. J. Gibbs

County: DARE

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY ITEMS</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	1220000000-E	545	INCIDENTAL STONE BASE	102 TON		
0003	1245000000-E	SP	SHOULDER RECONSTRUCTION	10.2 SMI		
0004	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	83,776 SY		
0005	1330000000-E	607	INCIDENTAL MILLING	1,367 SY		
0006	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	4,809 TON		
0007	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	7,872 TON		
0008	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	681 TON		
0009	3030000000-E	862	STEEL BEAM GUARDRAIL	22,826 LF		
0010	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	62 EA		
0011	3360000000-E	863	REMOVE EXISTING GUARDRAIL	25,926 LF		
0012	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	704 SF		
0013	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0014	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	88,536 LF		
0015	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	88,536 LF		
0016	4905100000-N	SP	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	337 EA		
0017	6000000000-E	1605	TEMPORARY SILT FENCE	100 LF		

County: DARE

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	6071012000-E	SP	COIR FIBER WATTLE	50 LF		
0019	6084000000-E	1660	SEEDING & MULCHING	5.1 ACR		
0020	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	1 EA		

1843/Nov30/Q325702.3/D66903212000/E20

Total Amount Of Bid For Entire Project :

CONTRACT: DA00593 WBS PROJECT: 2024CPT.01.13.10281



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

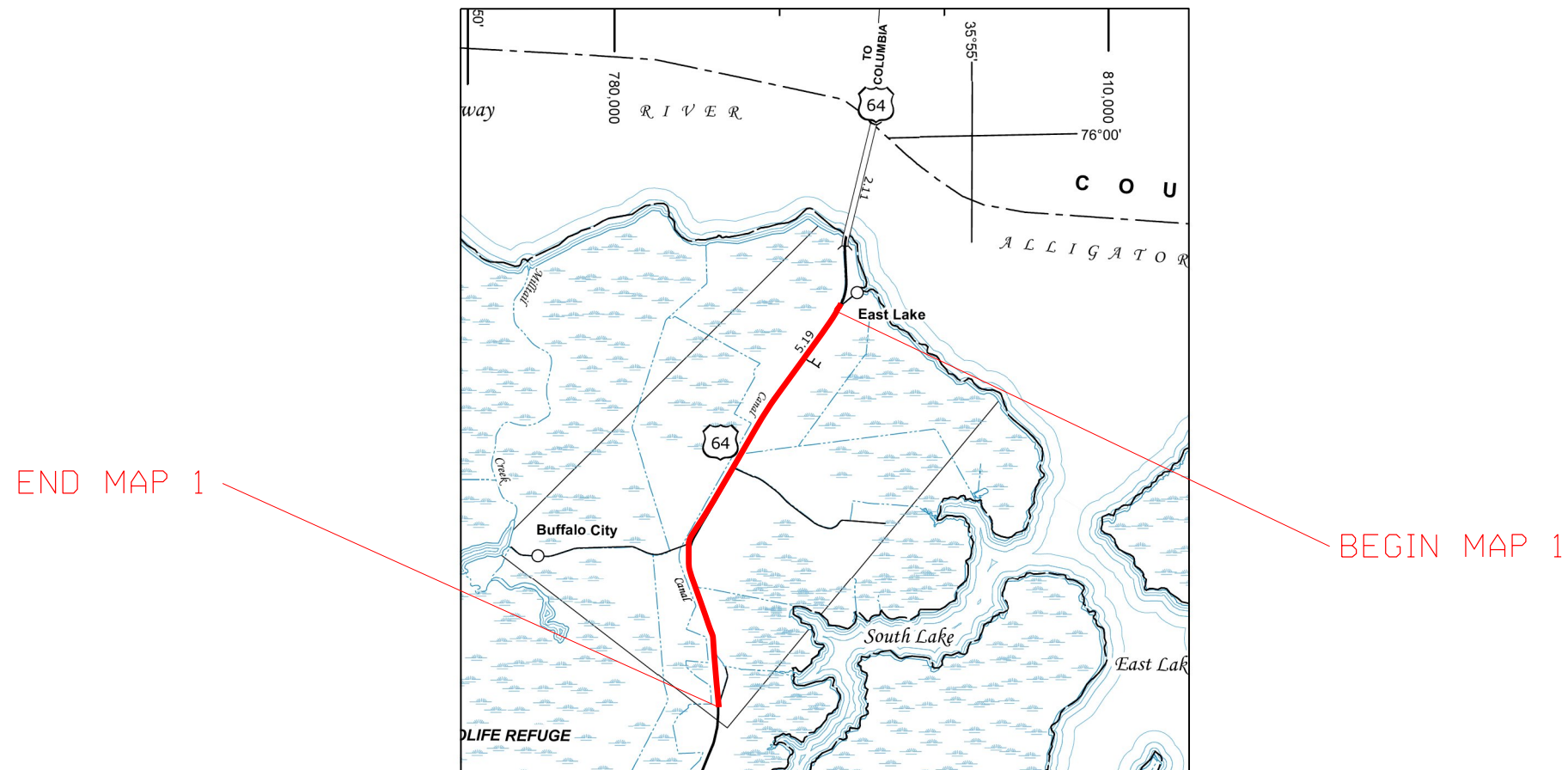
**DARE COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	2024CPT.01.13.10281	1
STATE PROJ. NO.		DESCRIPTION
2024CPT.01.13.10281		PE, CONST.

REVISED 11/30/2023

LOCATION: MAP 1 - HWY 64 FROM SR 1153 (OLD FERRY LANDING RD) TO SR 1169 (ROBERTSON LANDING RD)

TYPE OF WORK: MILLING, WIDENING, RESURFACING, SHOULDER RECONSTRUCTION & GUARDRAIL REPLACEMENT



GRAPHIC SCALES

NTS

PROJECT LENGTH

LENGTH ROADWAY MAP 1 = 5.10 MI.

TOTAL LENGTH WBS 2024CPT.01.13.10281 PROJECT = 5.10 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**

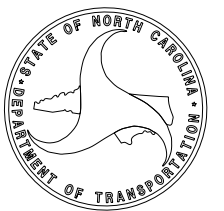
113 Airport Dr., Edenton NC, 27932

2018 STANDARD SPECIFICATIONS

J. S. ABEL, Jr.  
DIVISION PROJECT TEAM LEAD

CHRIS SLACHTA  
DIVISION CONTRACT ENGINEER

D. H. STALLINGS  
DIVISION DESIGN ENGINEER



PAVEMENT SCHEDULE

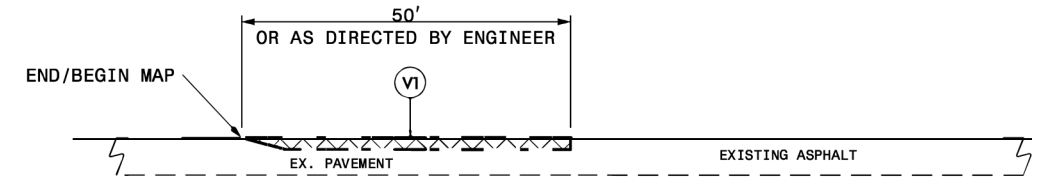
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING ASPHALT PAVEMENT.
V2	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
T	EARTH MATERIAL
U	EXISTING PAVEMENT.

NOTES:

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.01.13.10281	2

REVISED 11.30.23

- \* ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- \* EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.

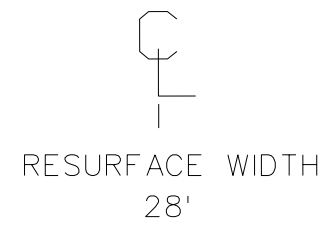


DETAIL 1

MAIN LINE MILLING

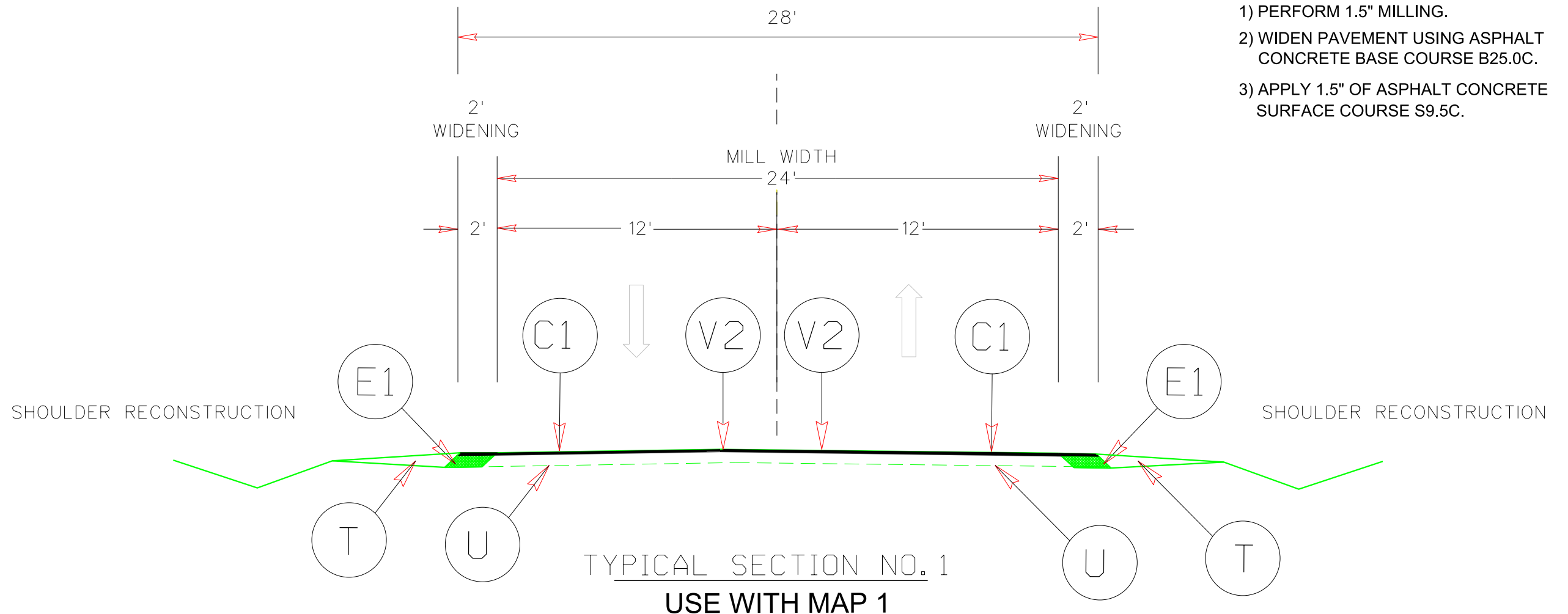
NOTE:

1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



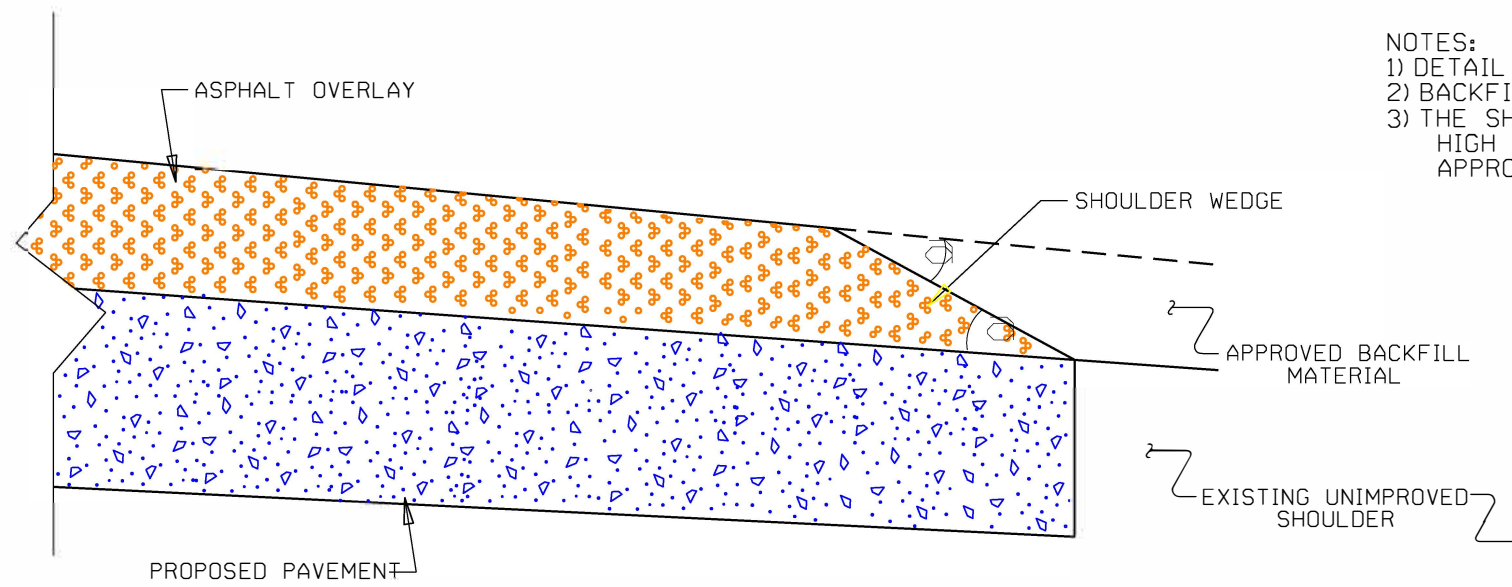
\* CONSTRUCTION SEQUENCE:

- 1) PERFORM 1.5" MILLING.
- 2) WIDEN PAVEMENT USING ASPHALT CONCRETE BASE COURSE B25.0C.
- 3) APPLY 1.5" OF ASPHALT CONCRETE SURFACE COURSE S9.5C.

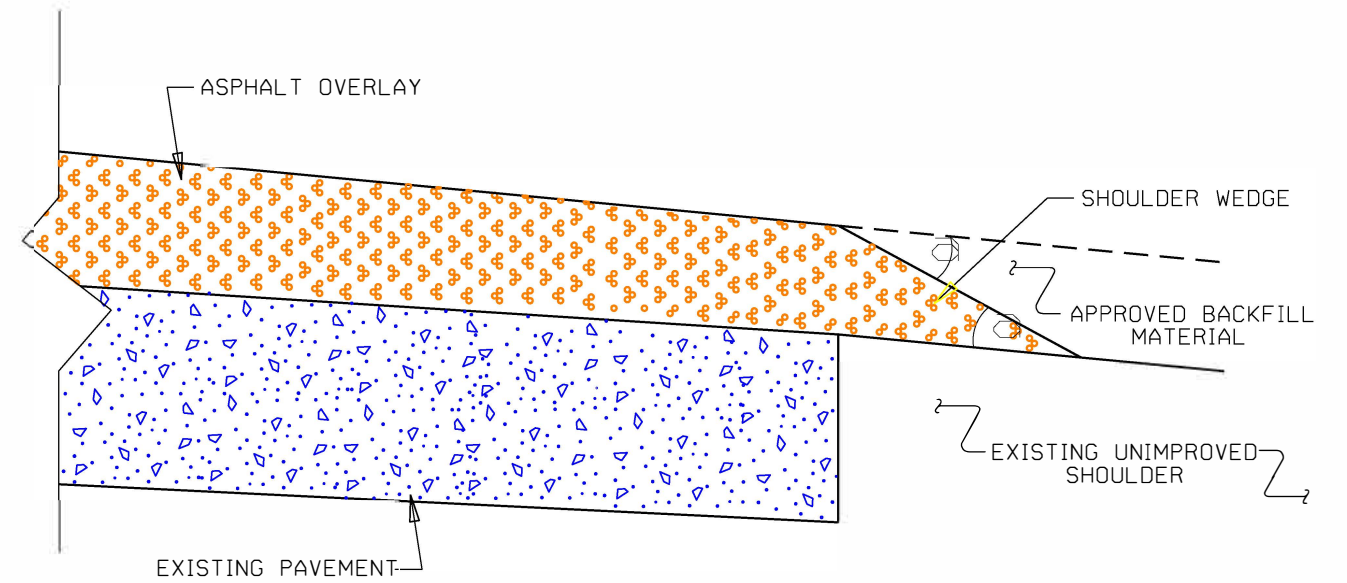


REVISED 11/30/2023

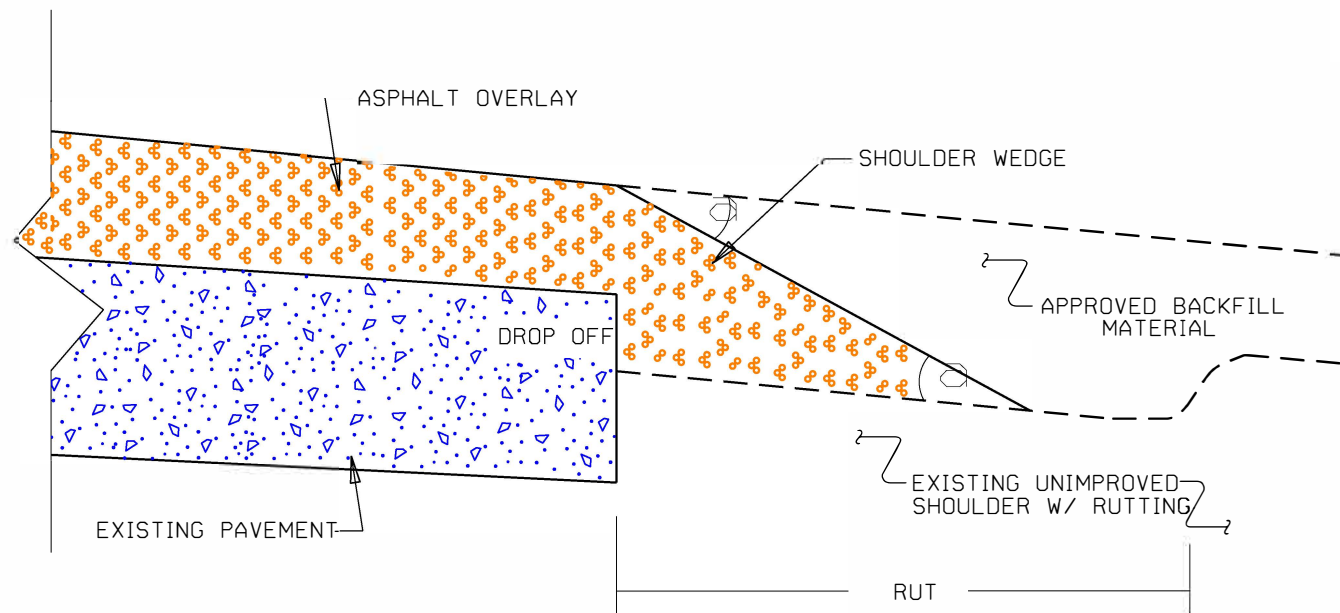
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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°

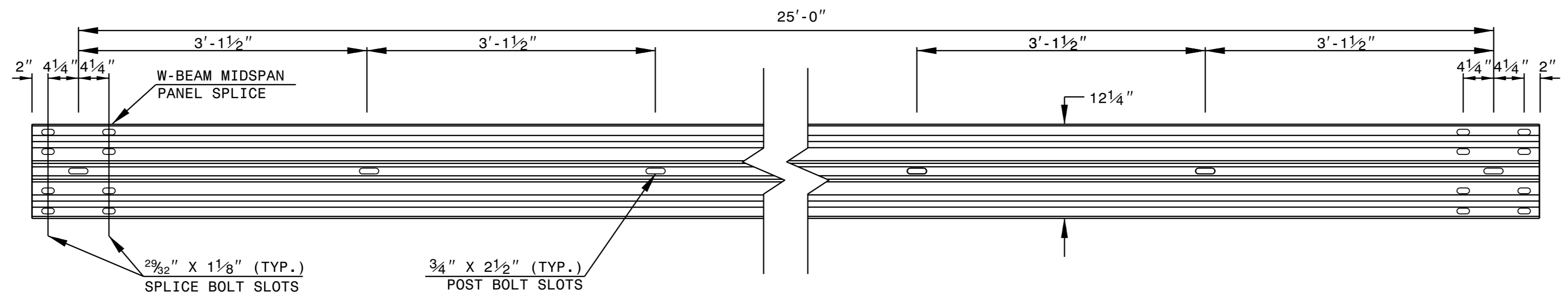
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
<b>SHOULDER WEDGE DETAILS</b>	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: ssur/details/stand/shoulderwedgedetail.dgn	

\$\$\$\$\$\$SYTIME\$\$\$\$\$\$  
 \$\$\$\$\$\$SUBSERNAME\$\$\$\$\$\$

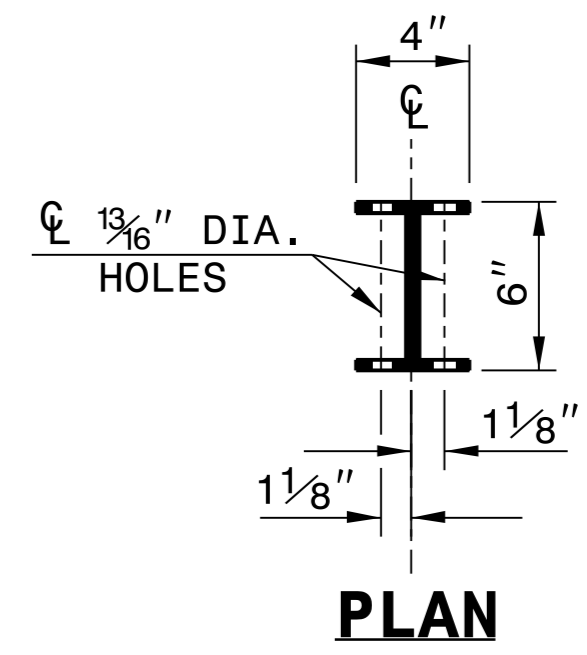
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL INSTALLATION**

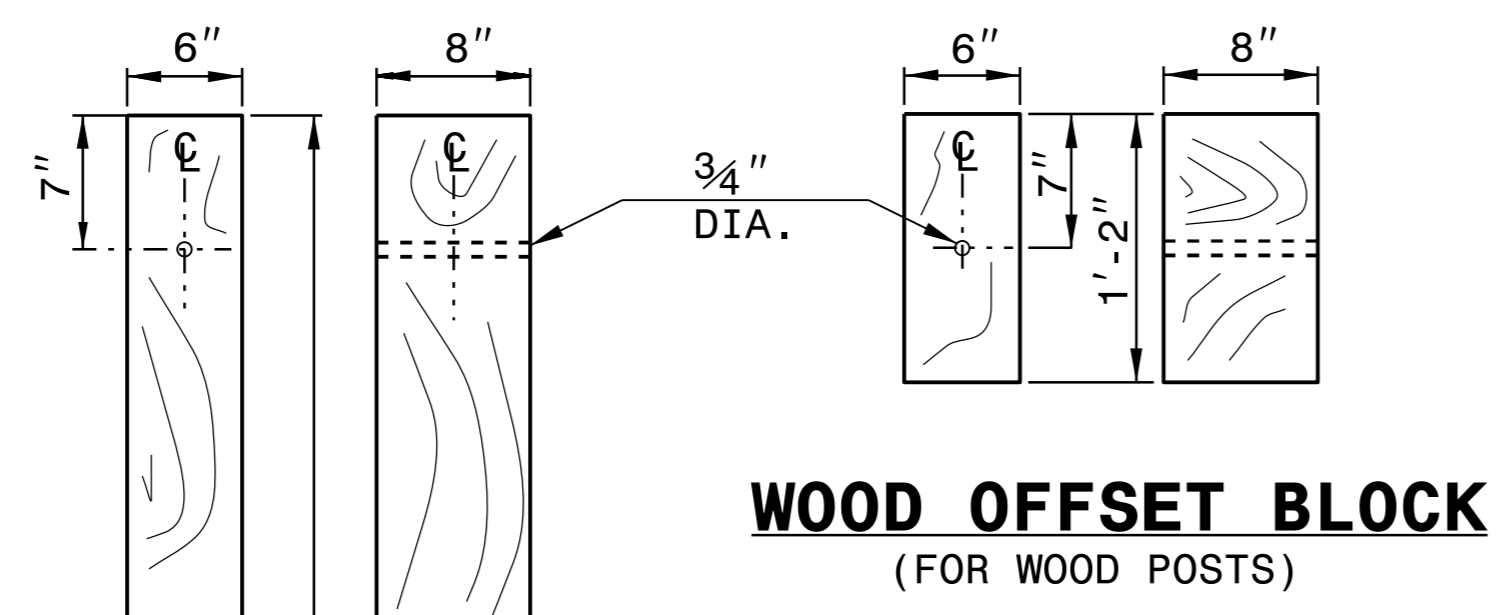
SHEET 6 OF 8  
**862D02**



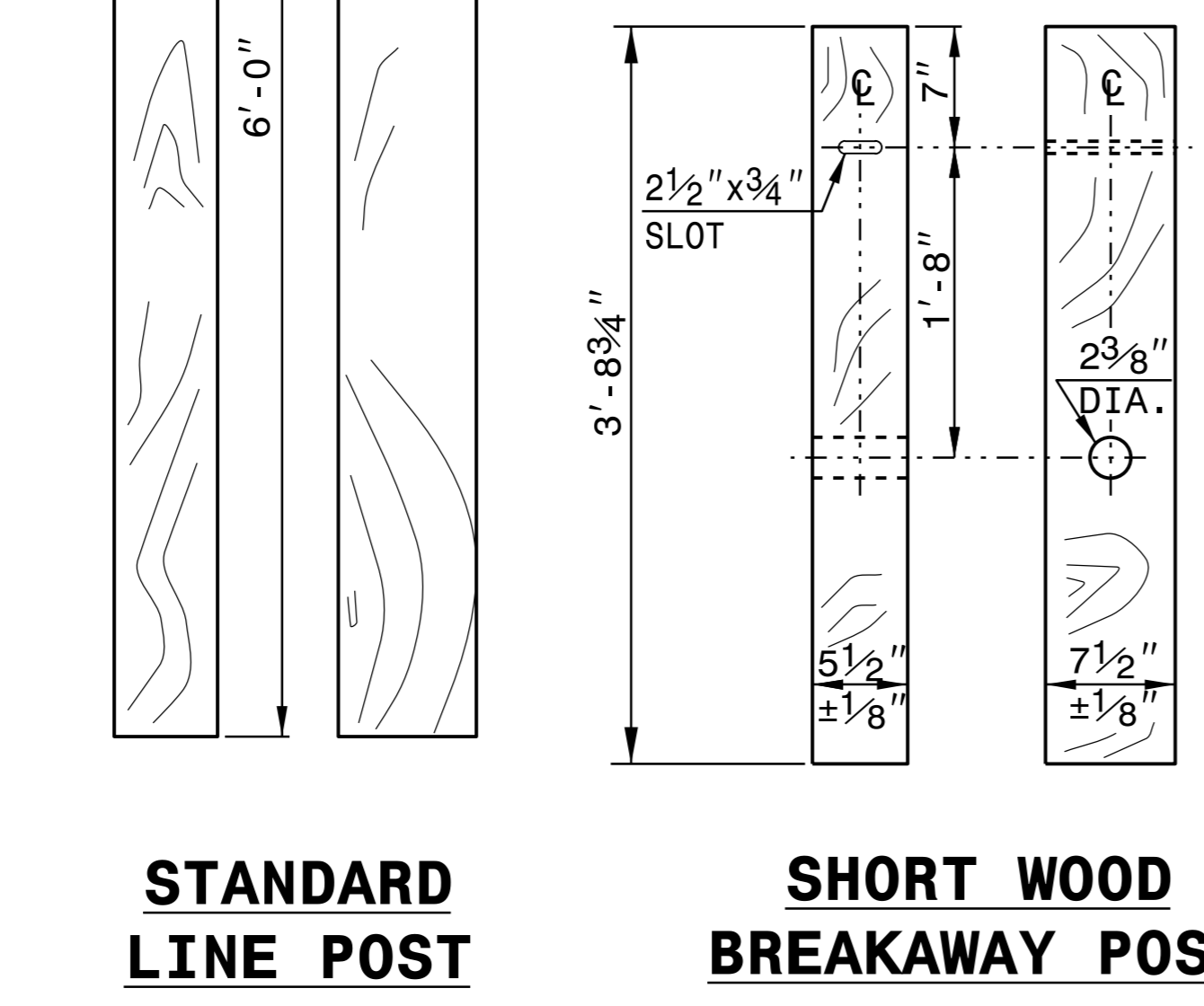
**STANDARD W-BEAM GUARDRAIL**



**PLAN**

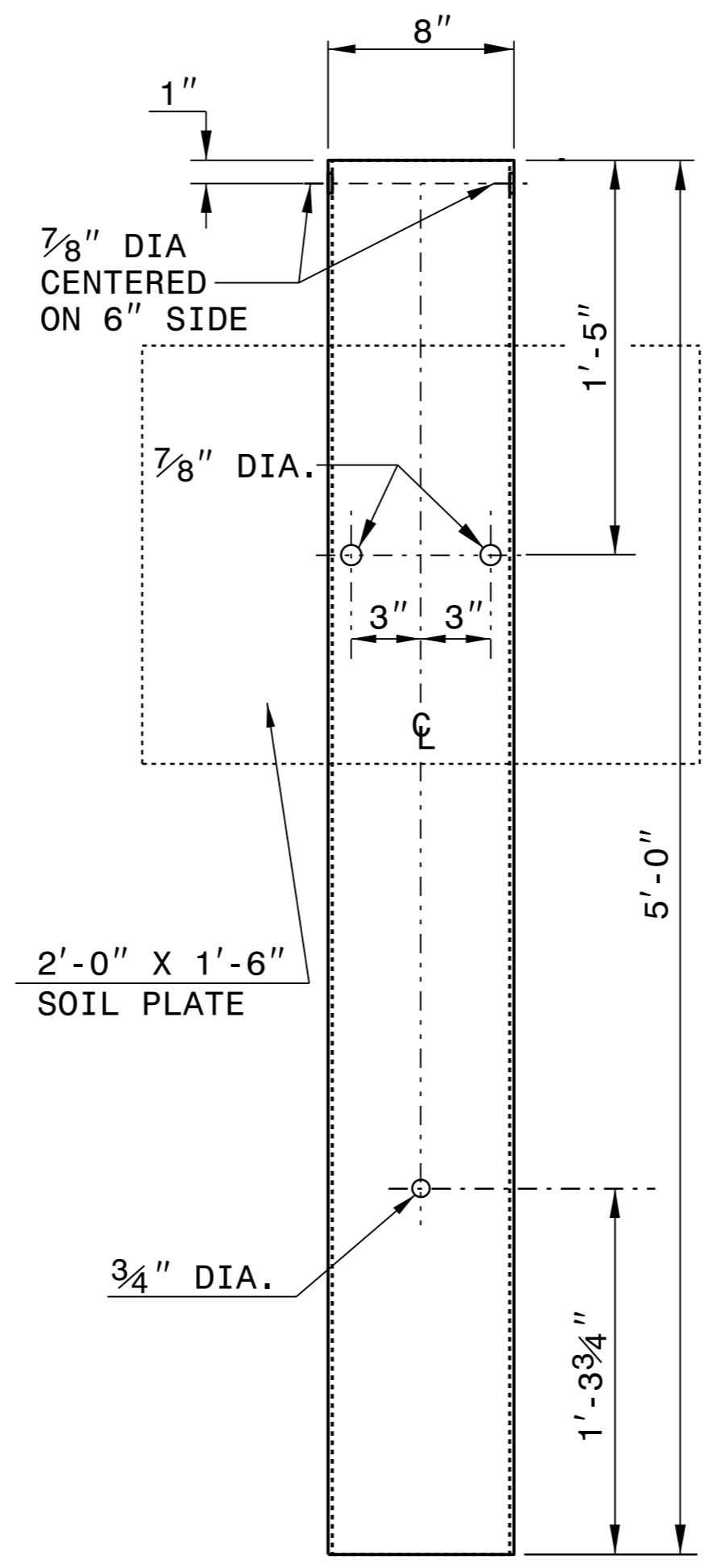


**WOOD OFFSET BLOCK  
(FOR WOOD POSTS)**

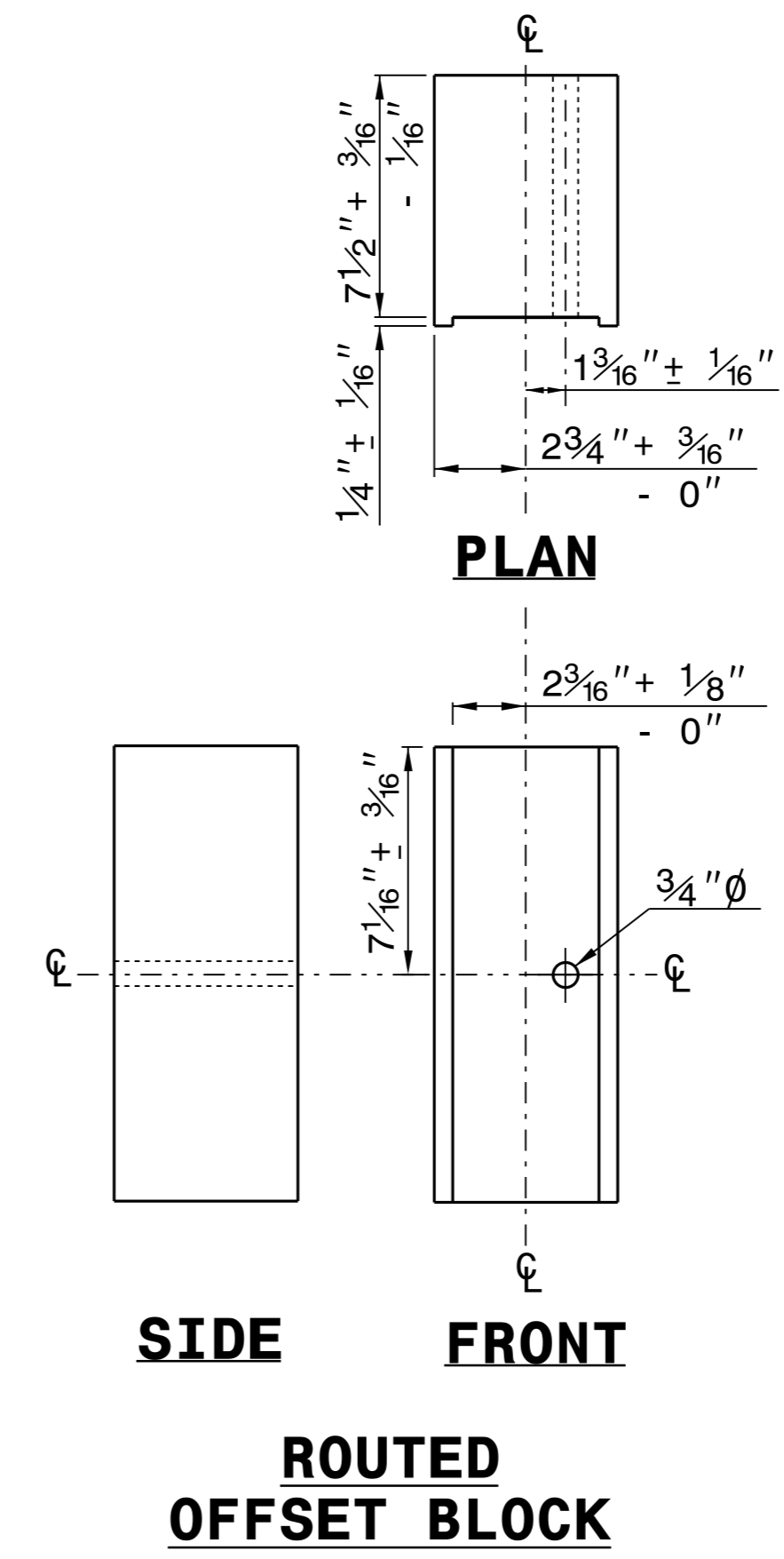


**STANDARD  
LINE POST**

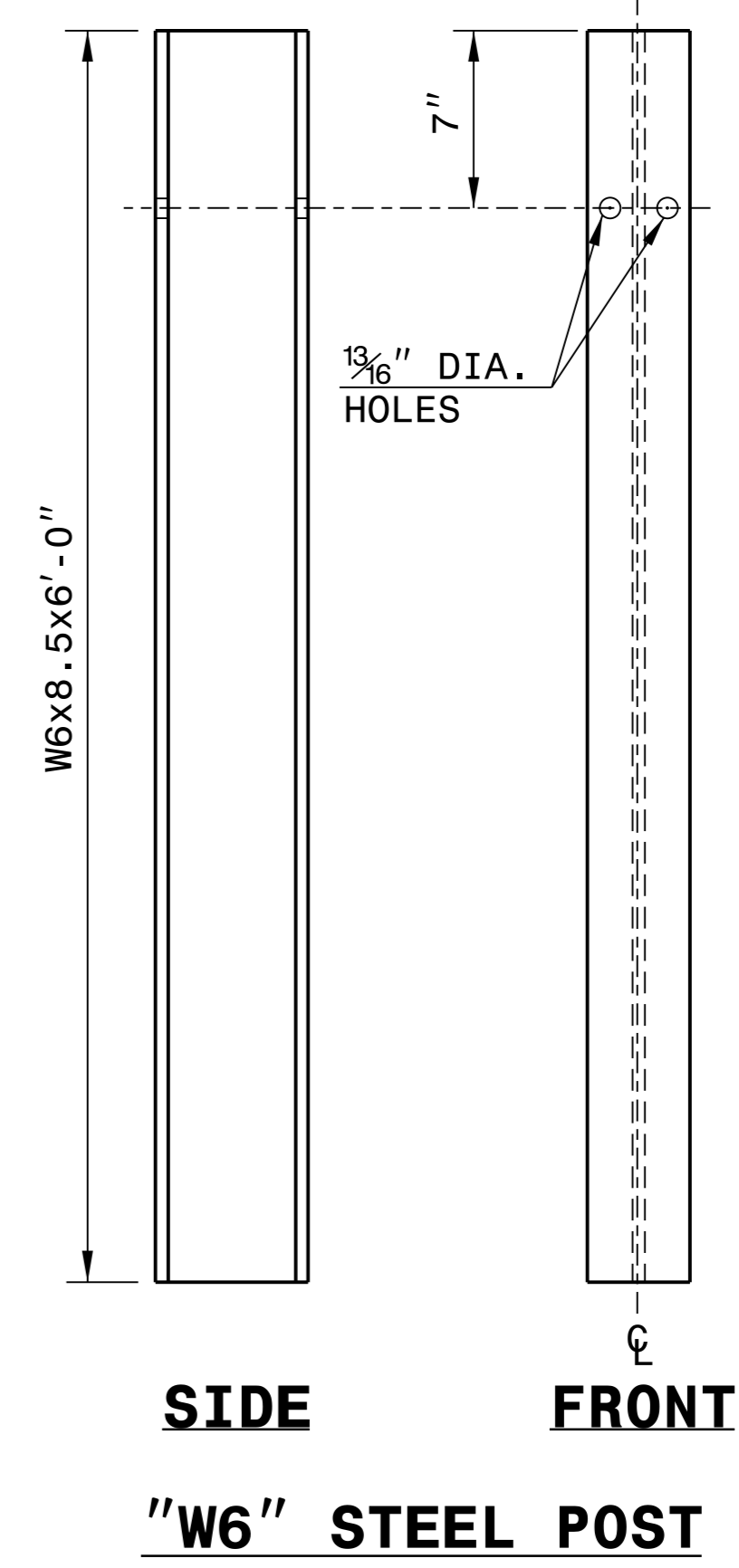
**SHORT WOOD  
BREAKAWAY POST**



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



**SIDE  
FRONT  
ROUTED  
OFFSET BLOCK**



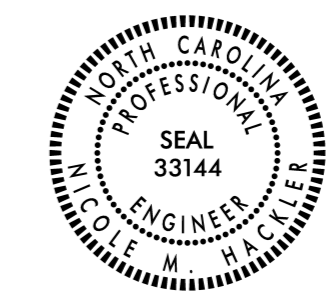
**SIDE  
FRONT  
"W6" STEEL POST**

**SYSTEM PARTS**

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

ROADWAY DETAIL DRAWING FOR  
**GUARDRAIL INSTALLATION**

SHEET 6 OF 8  
**862D02**



**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.: \_\_\_\_\_



REVISED 11/30/23

I4-DEC-2017 10:36 S:\Contracts\2024\Standard Drawings\Special Details\Drawings\Division 8\0862d0301.dgn Jhowerton AT CSU-232855

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

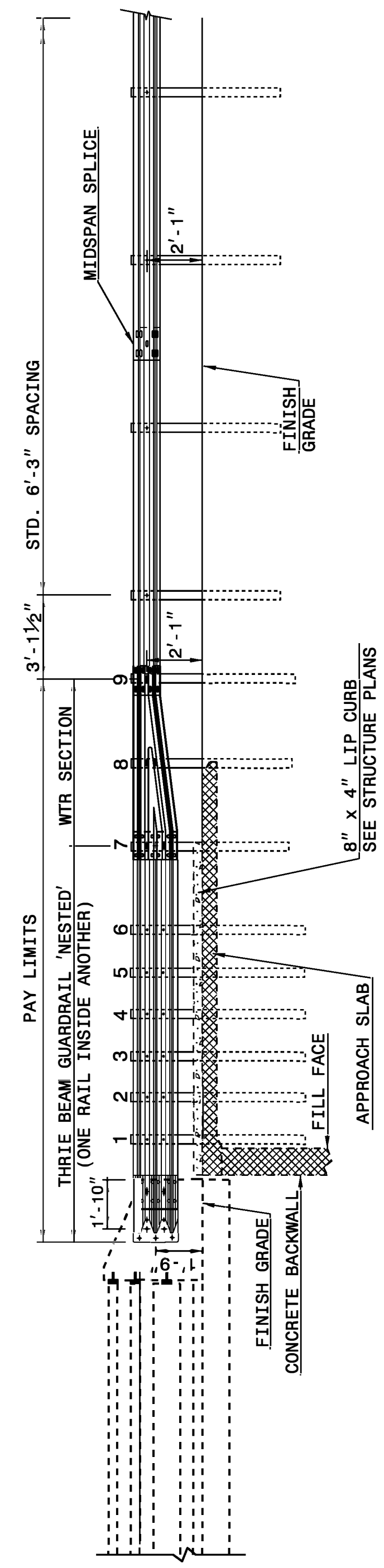
ROADWAY DETAIL DRAWING FOR  
**STRUCTURE ANCHOR UNITS**  
GUARDRAIL ANCHOR UNIT, TYPE III  
FOR ATTACHMENT TO RAIL ON BRIDGE

SHEET 1 OF 7  
**862D03**

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

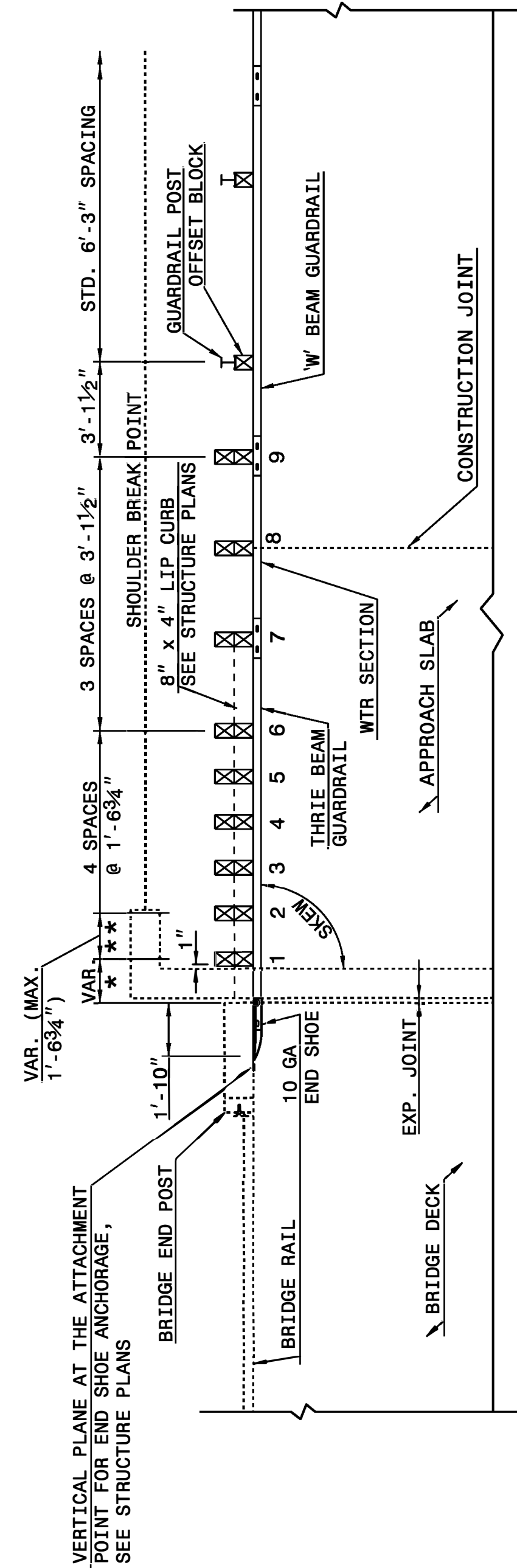
ROADWAY DETAIL DRAWING FOR  
**STRUCTURE ANCHOR UNITS**  
GUARDRAIL ANCHOR UNIT, TYPE III  
FOR ATTACHMENT TO RAIL ON BRIDGE

SHEET 1 OF 7  
**862D03**



**ELEVATION**

NOTE:  
 \*\*POST NOT REQUIRED FOR SKEW ANGLES GREATER THAN 150° OR LESS THAN 30° UNLESS OTHERWISE DIRECTED BY THE ENGINEER.  
 \*THE DISTANCE FROM END OF BRIDGE RAIL TO CENTER LINE OF THE FIRST POST SHOULD BE 11½" IF CONCRETE BACKWALL IS NOT PRESENT.  
 -SHOULDER BERM GUTTER MUST BE INSTALLED TO THE LIMITS 8" x 4" LIP CURB IS SHOWN IF ANCHOR UNIT IS NOT ADJACENT TO AN APPROACH SLAB.  
 -MEASURE GUARDRAIL HEIGHT FROM THE TOP OF ADJACENT SURFACE (SHOULDER, BERM, OR GUTTER).  
 -LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.  
 -SEE SHEET 3 FOR POST SECTIONS 1 THRU 9.



**PLAN VIEW**

**GUARDRAIL ANCHOR UNIT, TYPE III  
FOR ATTACHMENT TO RAIL ON BRIDGE**

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

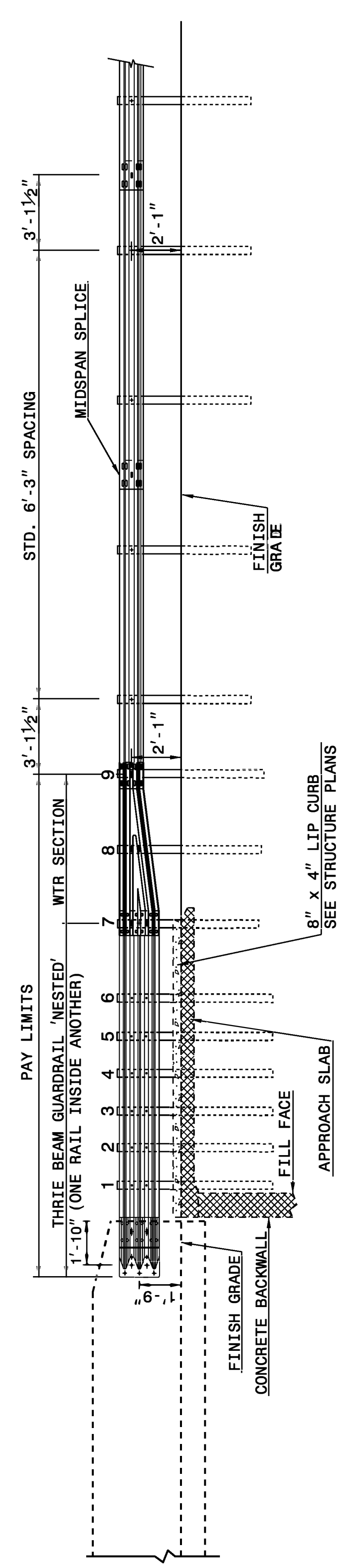
ROADWAY DETAIL DRAWING FOR  
**STRUCTURE ANCHOR UNITS**  
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO  
RAIL ON BRIDGE - SUB REGIONAL TIER

SHEET 2 OF 7  
**862D03**

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

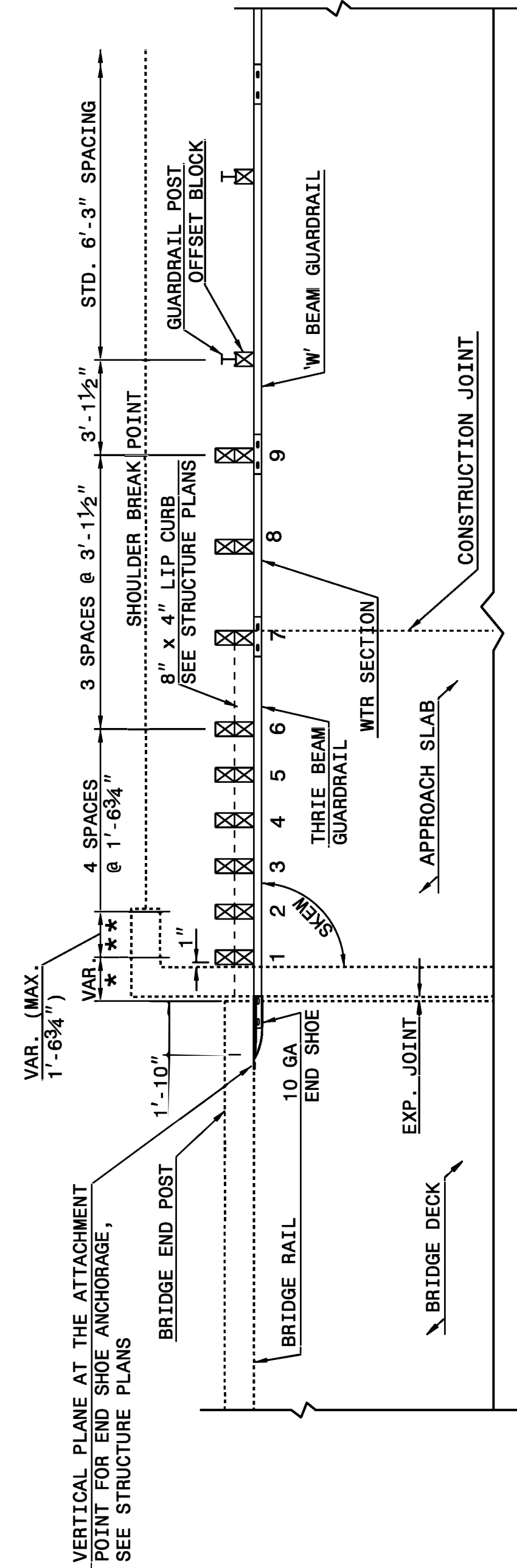
ROADWAY DETAIL DRAWING FOR  
**STRUCTURE ANCHOR UNITS**  
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO  
RAIL ON BRIDGE - SUB REGIONAL TIER

SHEET 2 OF 7  
**862D03**



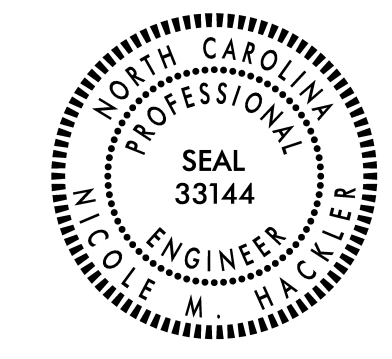
**ELEVATION**

NOTE:  
 \*\*POST NOT REQUIRED FOR SKEW ANGLES GREATER THAN 150° OR LESS THAN 30° UNLESS OTHERWISE DIRECTED BY THE ENGINEER.  
 \*THE DISTANCE FROM END OF BRIDGE RAIL TO CENTER LINE OF THE FIRST POST SHOULD BE 11½" IF CONCRETE BACKWALL IS NOT PRESENT.  
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 -MEASURE GUARDRAIL HEIGHT FROM THE TOP OF ADJACENT SURFACE (SHOULDER, BERM, OR GUTTER).  
 -LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.  
 -SEE SHEET 3 FOR POST SECTIONS 1 THRU 9.



**PLAN VIEW**

**GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO  
RAIL ON BRIDGE - SUB REGIONAL TIER**



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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

SEE TITLE BLOCK

ORIGINAL BY: J. HOWERTON	DATE: 06-22-12
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

**STATE OF NORTH CAROLINA**  
**DIVISION OF HIGHWAYS**  
**GUARDRAIL SUMMARY - MAP 6**

REVISED 11/30/23

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.  
 TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.  
 FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.  
 W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.  
 G = GATING IMPACT ATTENUATOR TYPE 350  
 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS						IMPACT ATTENUATOR TYPE TL-3			REMOVE EXISTING GUARDRAIL	REMARKS			
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE	TL-3	CAT-1	B-83	EA	G	NG							
-E-	39+65.00		LT	532.0																						532.0	BEGIN MAP 6 SR 1153 OLD FERRY LANDING RD	
-E-	45+25.00		LT	226.0																						226.0		
-E-	47+87.00		LT	199.0																						199.0		
-E-	50+28.00		LT	473.0																						473.0		
-E-	55+43.00		LT	306.0																						306.0		
-E-	58+78.00		LT	128.0																						128.0		
-E-	60+36.00		LT	437.0																						437.0		
-E-	65+06.00		LT	139.0																						139.0		
-E-	66+82.00		LT	78.0																						78.0		
-E-	68+38.00		LT	193.0																						193.0		
-E-	70+78.00		LT	75.0																						75.0		
-E-	72+00.00		LT	314.0																						314.0		
-E-	75+88.00		LT	165.0																						165.0		
-E-	77+80.00		LT	50.0																						50.0		
-E-	78+64.00		LT	160.0																						160.0		
-E-	81+00.00		LT	226.0																						226.0		
-E-	204+72.00		LT	2,437.0																						2,437.0		
-E-	86+45.00		RT	377.0																						377.0		
-E-	90+62.00		RT	224.0																						224.0		
-E-	93+30.00		RT	80.0																						80.0		
-E-	94+99.00		RT	291.0																						291.0		
-E-	97+91.00		RT	220.0																						220.0		
-E-	100+52.00		RT	1,048.0																						1,048.0		
-E-	111+42.00		RT	262.0																						262.0		
-E-	114+84.00		RT	668.0																						668.0		
-E-	121+84.00		RT	2,277.0																						2,277.0		
-E-	145+26.00		RT	2,416.0																						2,416.0		
-E-	169+87.00		RT	3,518.0																						3,518.0		
-E-	223+53.00		RT	6,334.0																						6,334.0		
-E-	287+12.00		RT	1,911.0																						1,911.0		
-E-	306+66.00		RT	162.0																						162.0	END MAP 6 SR 1169 ROBERTSON LANDING RD	
SUB-TOTALS				25,926.0																						25,926.0		
LESS ANCHOR DEDUCTIONS																												
	GREU TL-3	62 @ 50.0'		-3,100.0'																								
TOTAL				22,826.0																						22,826.0		

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.01.13.10281	7	

**SUMMARY OF QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH	WIDTH	NEW WIDTH	0000100000-N	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1491000000-E	1523000000-E
											MI	FT	FT	LS	TONS	SMI	SY	SY	TONS	TONS
2024CPT.01.13.10281	Dare	1	US-64 MAINLAND DARE	FROM SR 1153 OLD FERRY LANDING RD TO SR 1169 ROBERSON LANDING RD	1	2	2WU	NO	NO	YES	5.10	24	28	*	102	10.20	83,776	1,367	4,809	7,872
<b>GRAND TOTAL FOR PROJ NO. 2024CPT.01.13.10281</b>											5.10			1	102	10.20	83,776	1,367	4,809	7,872

**SUMMARY OF QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH	WIDTH	NEW WIDTH	1575000000-E	3030000000-E	3287000000-N	3360000000-E	6000000000-E	6071012000-E	6084000000-E	6117000000-N
											MI	FT	FT	ASPHALT BINDER FOR PLANT MIX	STEEL BEAM GUARDRAIL	GUARDRAIL END UNITS, TYPE TL-3	REMOVE EXISTING GUARDRAIL	TEMPORARY SILT FENCE	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL
2024CPT.01.13.10281	Dare	1	US-64 MAINLAND DARE	FROM SR 1153 OLD FERRY LANDING RD TO SR 1169 ROBERSON LANDING RD	1	2	2WU	NO	NO	YES	5.10	24	28	681	22,826.00	62.00	25,926.00	100	50	5.10	1
<b>GRAND TOTAL FOR PROJ NO. 2024CPT.01.13.10281</b>											5.10			681	22,826	62	25,926	100	50	5.10	1

**THERMOPLASTIC AND PAINT QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH	WIDTH	NEW WIDTH	4413000000-E	4457000000-N	4688000000-E		4810000000-E		4905100000-N
											MI	FT	FT	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	THERMO PAVEMENT MARKING LINES (6", 90 MILS) WHITE	THERMO PAVEMENT MARKING LINES (6", 90 MILS) YELLOW	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS
2024CPT.01.13.10281	Dare	1	US-64 MAINLAND DARE	FROM SR 1153 OLD FERRY LANDING RD TO SR 1169 ROBERSON LANDING RD	1	2	2WU	NO	NO	YES	5.10	24	28	704	*	54,876	33,660	54,876	33,660	337
<b>GRAND TOTAL FOR PROJ NO. 2024CPT.01.13.10281</b>											5.10			704	1	54,876	33,660	54,876	33,660	337
															<b>88,536</b>		<b>88,536</b>			