



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

August 13, 2025

CALL NO. 100
CONTRACT ID NO. 251115
ADDENDUM # 4

Subject: Marshall County, NHPP 0241(095)
Letting August 21, 2025

(1) Revised - Proposal Detail Sheets - Pages 107-113 of 296

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

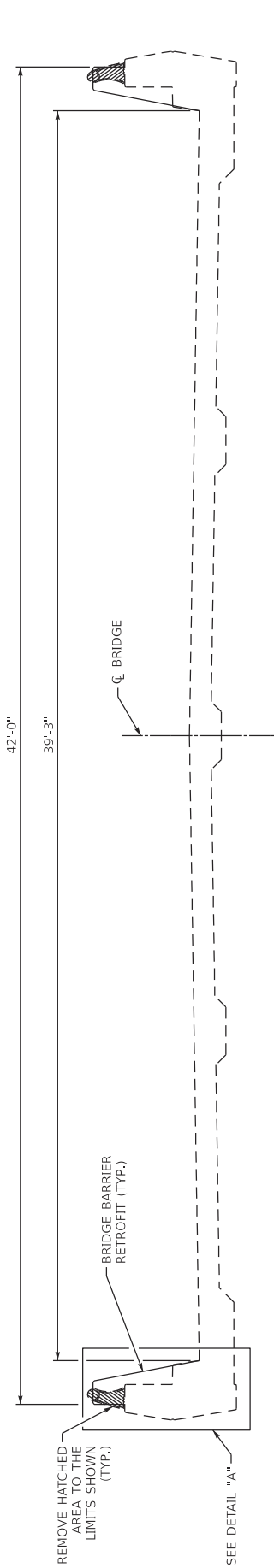
Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

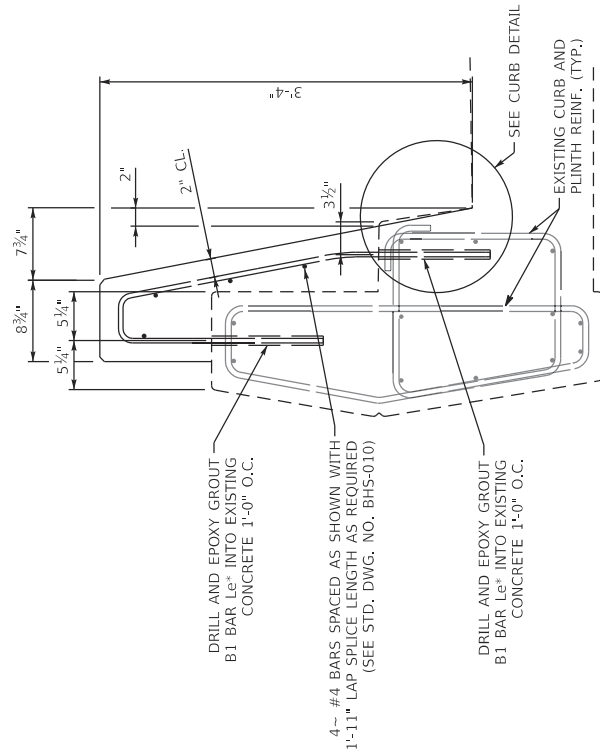
SPECIAL NOTES

SPECIAL NOTES

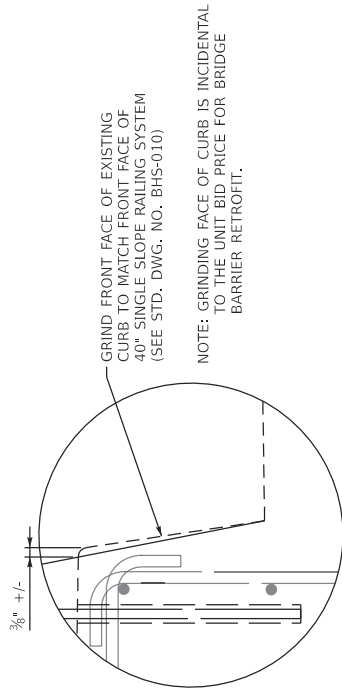
S RIVER	ROUTE	ITEM NO.	COUNTY OF
	I-24	1-20034	MARSHALL
		SHEET NO.	DRAWING NUMBER
		S1	



TYPICAL CROSS SECTION
(LOOKING AHEAD STATION)



* Le = EMBEDMENT LENGTH AS RECOMMENDED BY EPOXY MANUFACTURER



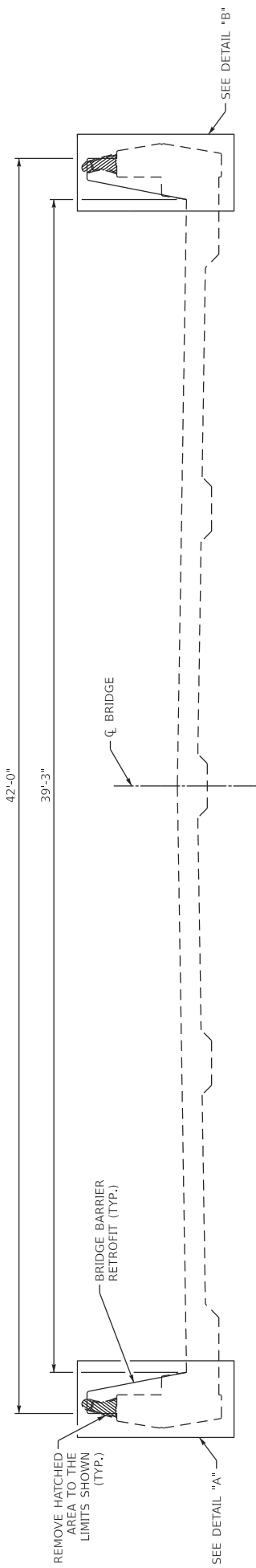
CURB DETAIL

DETAIL "A"
(TYPICAL EACH BARRIER)

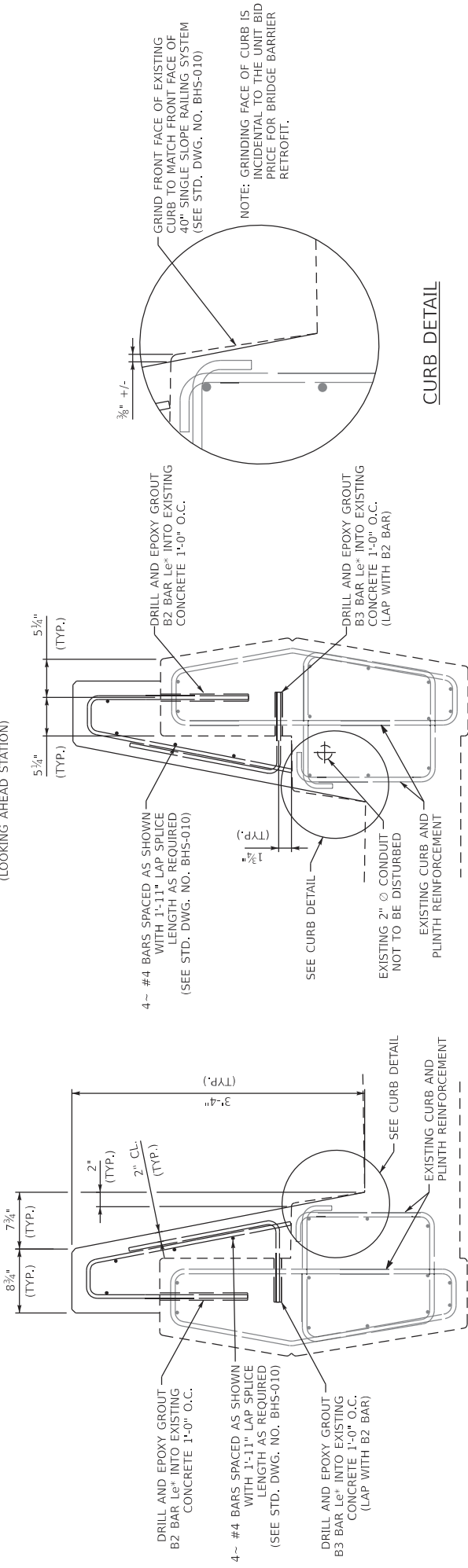
	COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	USER: BILE	DATE PLOTTED: \$\$\$		HMB PROFESSIONAL ENGINEERS, LLC	RECORDED BY DESIGNED BY: B, KLE DATE: 07/2025	CHECKED BY L. BOLLER B. RED	BARRIER RETROFIT LAYOUT & DETAILS	ROUTE I-24	SHEET NO. S2	DRAWING NO. 1-20034	DRAWING OF MARSHALL

[illegible]

NOTE: CONTRACTOR TO ADJUST LEG LENGTHS AS
NEEDED TO ACCOUNT FOR EPOXY MANUFACTURER
RECOMMENDED EMBEDMENT DEPTH.



TYPICAL CROSS SECTION
(LOOKING AHEAD STATION)



* Le = EMBEDMENT LENGTH AS RECOMMENDED BY EPOXY MANUFACTURER

DETAIL "B"

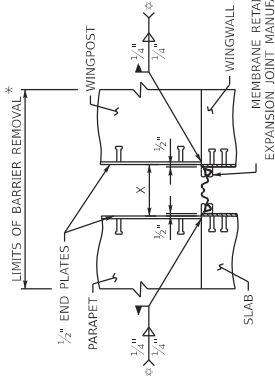
DETAIL "A"

	COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	USER: BRLE	DATE PLOTTED: \$\$\$		PREPARED BY		COUNTY OF
					HMB PROFESSIONAL ENGINEERS, LLC		
REVISION	DATE	DATE: 07/2025		CHECKED BY		ROUTE	PROJECT NO.
		DESIGNED BY: B. KYLE		I. BOLLER		I-24	1-20034
		DETAILED BY: B. KYLE		B. REID		S4	
				BARRIER RETROFIT LAYOUT & DETAILS			
				CROSSING			
				TENNESSEE RIVER			
				FILE: \$\$\$			

NOTES:

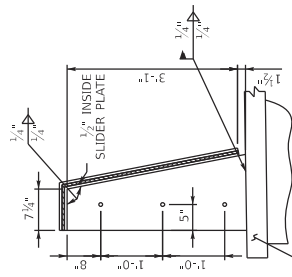
1. ALL METAL PLATE MATERIAL SHALL BE ASTM A709 GRADE 36.
2. ALL WELDING, INCLUDING STUDS, SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE CONCRETE. ALL WELDING SHALL BE DONE BY A WELDER QUALIFIED TO WELD TO THE JOINT ASSEMBLY. THE JOINT ASSEMBLY SHALL BE PAINTED WITH 4 MILS OF INORGANIC ZINC OR GALVANIZED IN ACCORDANCE WITH ASTM A123 UNLESS SHOWN OTHERWISE ON PLANS.
3. ALL CONCRETE POURS SHALL BE WELL CONSOLIDATED AROUND THE SLIDER PLATE ASSEMBLIES.
4. COST OF STRUCTURAL STEEL, FORMING, LABOR, AND ALL MISCELLANEOUS MATERIALS NECESSARY TO COMPLETE THE INSTALLATION OF SLIDER PLATE ASSEMBLIES IS INCIDENTAL TO THE UNIT BID PRICE FOR BRIDGE BARRIER RETROFIT.

* REMOVE EXISTING STEEL SLIDER PLATE ASSEMBLY, INCLUDING EXISTING CURB AND PLINTH DOWN TO THE EXISTING CONCRETE. THE EXISTING CURB AND PLINTH SHALL BE REMOVED TO THE EXISTING CONCRETE TO FACILITATE PLACEMENT OF NEW STEEL SLIDER PLATES INTO FRESH CONCRETE. TAKE EXTREME CARE TO PRESERVE THE EXISTING REINFORCEMENT. THE REINFORCEMENT SHALL BE CLEANED AND STRAIGHTENED AS NECESSARY, PRIOR TO PLACEMENT OF STEEL SLIDER PLATE ASSEMBLY.



SECTION G - G

NOTE: WELD WIDTH OF CONTACT POINT
(BRIDGE END JOINTS SHOWN, SLIDER PLATE
DETAILS AT MODULAR JOINTS SIMILAR)



SECTION B - B

(SHOWING STUD SPACING IN END PLATE)

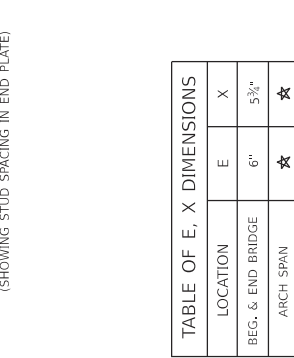
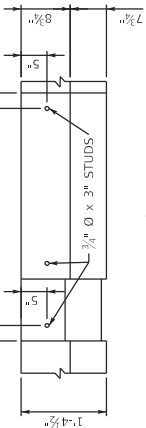


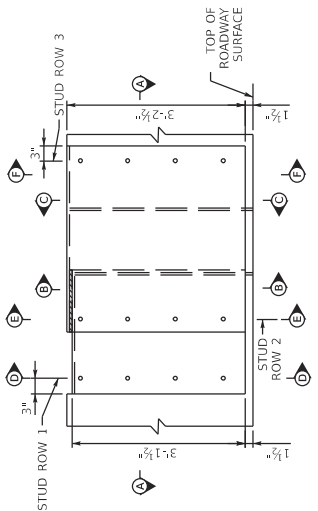
TABLE OF E, X DIMENSIONS		
LOCATION	E	X
BEG. & END BRIDGE	6"	5 3/4"
ARCH SPAN	★	★

★ CONTRACTOR TO CONSULT KYTC DISTRICT 1
FOR SHOP DRAWINGS TO VERIFY "E" AND "X"
DIMENSIONS ON MODULAR JOINTS AT ARCH SPAN

PLAN VIEW OF PARAPET

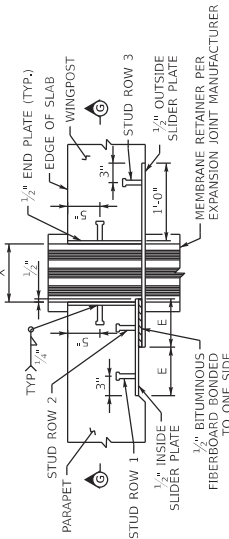


ELEVATION VIEW OF PARAPET



SECTION A - A

(BRIDGE END JOINTS SHOWN, SLIDER PLATE
DETAILS AT MODULAR JOINTS SIMILAR)



E DENOTES: ONE HALF OF THE TOTAL
EXPANSION JOINT MOVEMENT PLUS (+)
THREE (3) INCHES, AT MID TEMPERATURE.

IF E IS LESS THAN 6 1/2" OMIT STUD ROW 2

X DENOTES: EXPANSION JOINT + 1"

	COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	REVISION	DATE	RECHECKED BY	HMB PROFESSIONAL ENGINEERS, LLC	DATE: 07/2025 DESIGNED BY: B. KLE CHECKED BY: L. BOLLER DETAILED BY: B. KLE	STEEL SLIDER PLATE ASSEMBLY	ROUTE	I-24	PROJECT NO.	1-20034	DRAWING NUMBER	S5
	TENNESSEE RIVER												

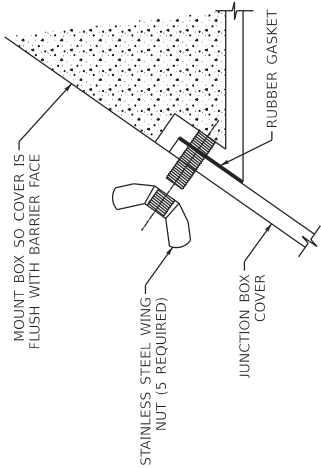
GENERAL NOTES

CONSTRUCT JUNCTION BOXES FROM 1/2" A36 STEEL PLATE AND THE JUNCTION BOX COVER FROM 3/8" A36 PLATE. HOT DIP GALVANIZE BOX AND COVER AFTER FABRICATION AND IN ACCORDANCE WITH ASTM A123 AND THE STANDARD SPECIFICATIONS. COVER PLATE SHALL INCLUDE (5) STAINLESS STEEL SCREW TAPS WITH WING NUTS AND A RUBBER GASKET FOR ALL SIDES WHERE SCREWS ARE INSTALLED.

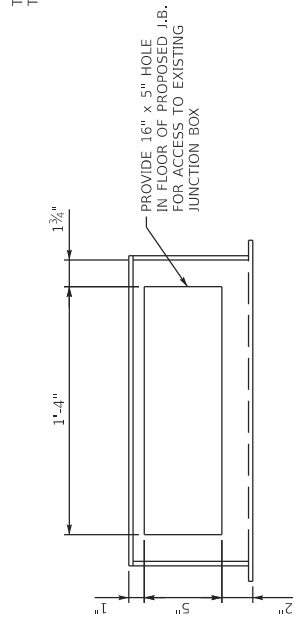
FITTINGS SHALL BE UL LISTED AND CSA-CERTIFIED CONCRETE TIGHT ON THE OUTSIDE OF THE JUNCTION BOX CONDUIT CONNECTION. USE A SEALING LOCK NUT AND A RIGID PVC CONDUIT BUSHING ON THE INSIDE FOR ALL CONDUIT PENETRATIONS. LIBERALLY COAT THE THREADS OF THE COVER FASTENERS WITH ANTI-SEIZE COMPOUND DURING CONSTRUCTION AND BEFORE FINAL CLOSURE.

PROTECT COVER OF JUNCTION BOX FROM DAMAGE/DISFIGUREMENT FROM CONCRETE SEALING APPLICATION AND OTHER SOURCES BY TAPING OR WRAPPING DURING CONSTRUCTION. REMOVE PROTECTION PRIOR TO FINAL ELECTRICAL INSPECTION AND REPAIR ANY DAMAGE OR DISFIGUREMENT TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE DEPARTMENT.

WHEN PROPERLY INSTALLED, BOX COVER WILL BE FLUSH WITH BARRIER FACE AND BOX BOTTOM WILL SLOPE TO DRAIN APPROXIMATE 1/4" / FT. IN ALL CASES. THE COST TO FURNISH AND INSTALL THE JUNCTION BOX IN ACCORDANCE WITH THESE PLANS IS INCIDENTAL TO THE UNIT BID PRICE FOR BRIDGE BARRIER RETROFIT.

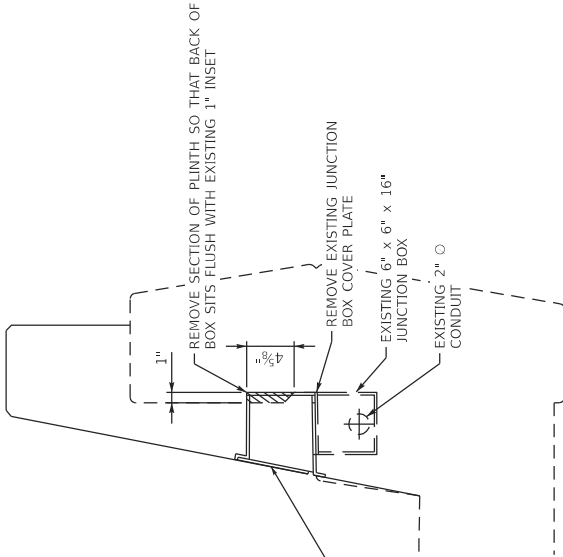


DETAIL "A"

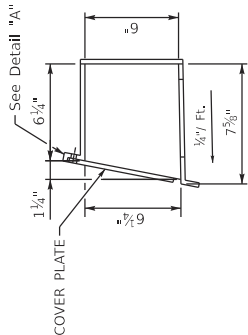


SECTION A - A

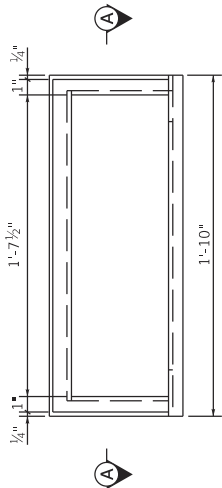
MOUNT BOX FLUSH WITH BARRIER FACE. BOTTOM OF BOX WILL SLOPE APPROXIMATELY 1/4" PER FOOT TO DRAIN WHEN PROPERLY INSTALLED



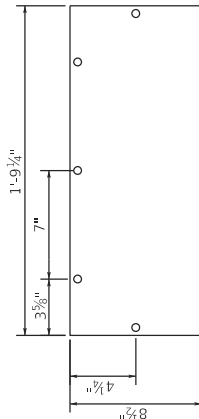
INSTALLATION DETAIL



SIDE ELEVATION

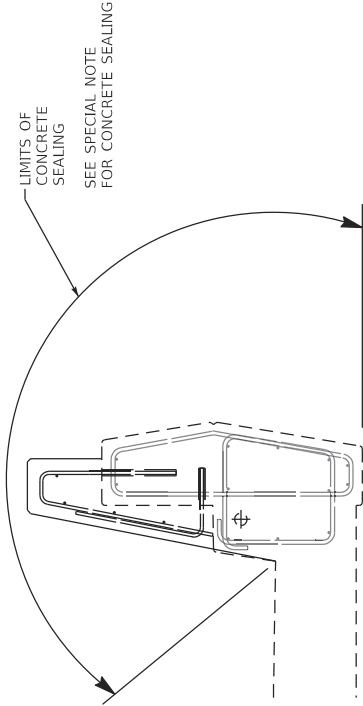


FRONT ELEVATION

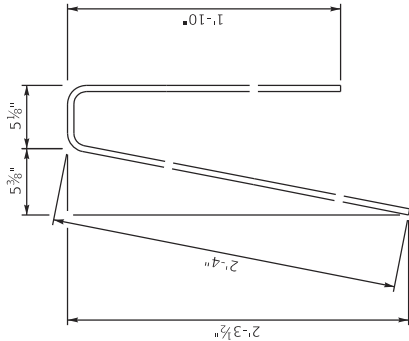


COVER PLATE

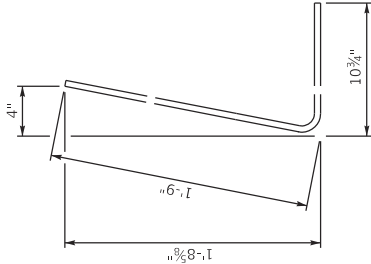
	COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	REVISION	DATE		DESIGNED BY: B. KILE CHECKED BY: L. BOLLER	DATE: 07/2025	HMB PROFESSIONAL ENGINEERS, LLC	STEEL SUDER PLATE ASSEMBLY	ROUTE I-24	SHEET NO. S6	DRAWING NUMBER MARSHALL



LIMITS OF CONCRETE SEALING



B2 BAR
(#4 EPOXY COATED)



B3 BAR
(#4 EPOXY COATED)

NOTE: CONTRACTOR TO ADJUST LEG LENGTHS AS
NEEDED TO ACCOUNT FOR EPOXY MANUFACTURER
RECOMMENDED EMBEDMENT DEPTH.

ESTIMATE OF QUANTITIES			
BID ITEM CODE	23032EN	23378EC	
BID ITEM	BRIDGE BARRIER RETROFIT	CONCRETE SEALING	
UNIT	LF	SQ FT	
TOTALS	8648.0	76967	

COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	REVISION	DATE	HMB	HMB PROFESSIONAL ENGINEERS, LLC	DESIGNED BY: B. NILE CHECKED BY: L. BOLLER	ROUTE I-24	PROJECT NO. 1-20034	DRAWING NUMBER S7	MARSHALL DRAWING NUMBER
USERS: BILE	DATE PLOTTED: 8/8	FILE: 8/8							