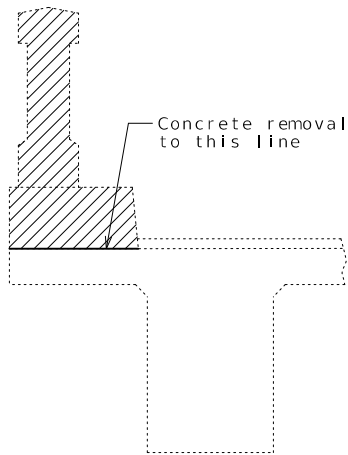
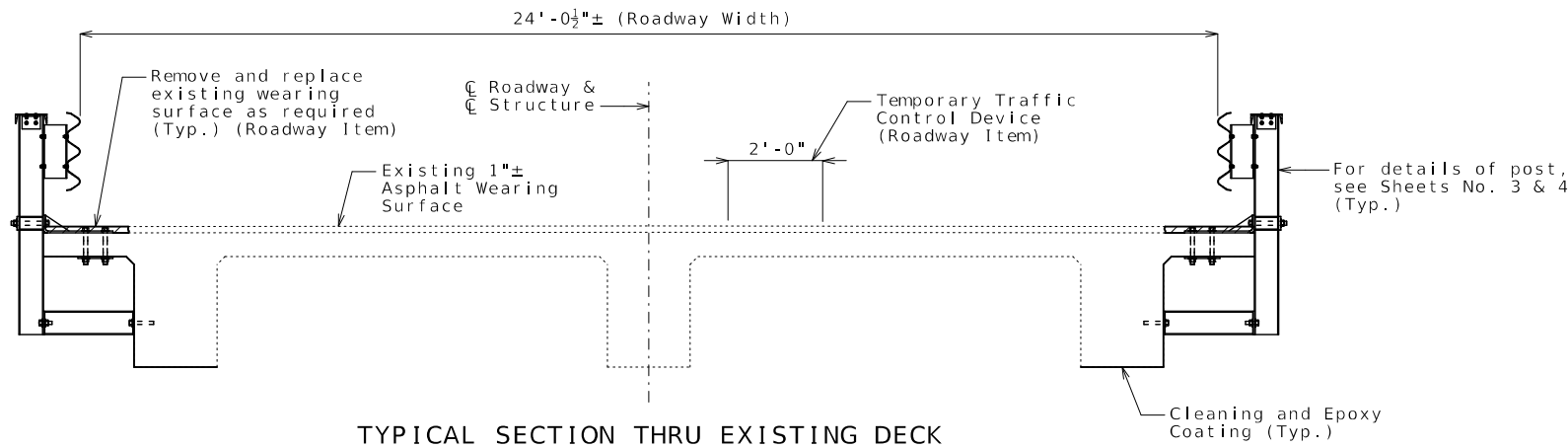
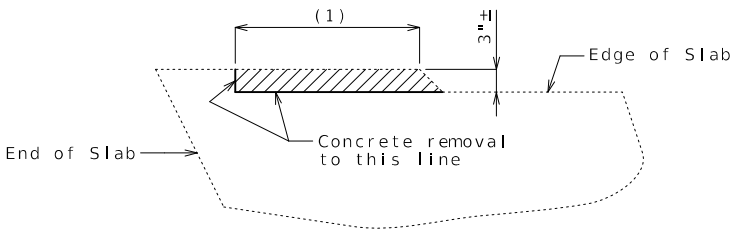


U.I.P. AND REHABILITATE EXISTING 3 @ (45') CONCRETE DECK GIRDER SPANS (SKEW: 30° R.A.)

SEC/SUR 9      TWP 23N      RGE 6W

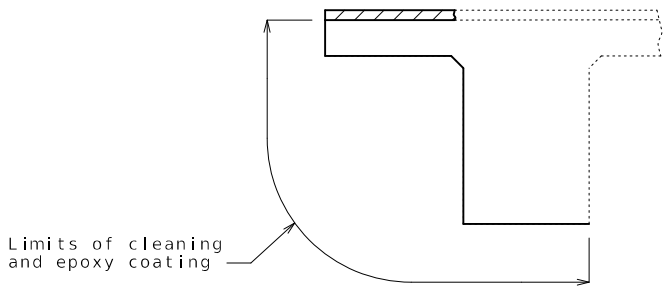


TYPICAL PART SECTION  
SHOWING CURB REMOVAL



TYPICAL PART PLAN  
SHOWING SLAB REMOVAL

(1) Remove slab edge as necessary to install posts.



TYPICAL PART SECTION  
SHOWING EPOXY COATING

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications  
Bridge Deck Rating = 5

Design Loading:

H-10 (1944) (Existing), HS20-44 (New Construction)

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match existing bridge wearing surface (roadway item).

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Estimated Quantities		
Item		Total
* Curb Removal	linear foot	283
Cleaning and Epoxy Coating	sq. foot	1860
Bridge Guardrail (Three Beam)	linear foot	271

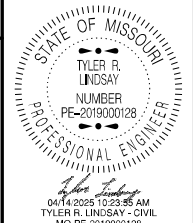
\* Includes, curb, rail, end posts and partial slab removal as shown.



SHEET ADDED

REPAIRS TO BRIDGE: ROUTE M  
OVER WARM FORK

ROUTE M FROM ROUTE P TO ROUTE 63  
ABOUT 1.4 MILES SOUTH OF ROUTE P  
BEGINNING STATION 256+03.00± (Match Existing)



DATE PREPARED

4/14/2025

ROUTE M STATE MO

DISTRICT BR SHEET NO. 1

COUNTY OREGON

JOB NO. JSE0108

CONTRACT ID.

PROJECT NO.

BRIDGE NO. T04321

DESCRIPTION

DATE

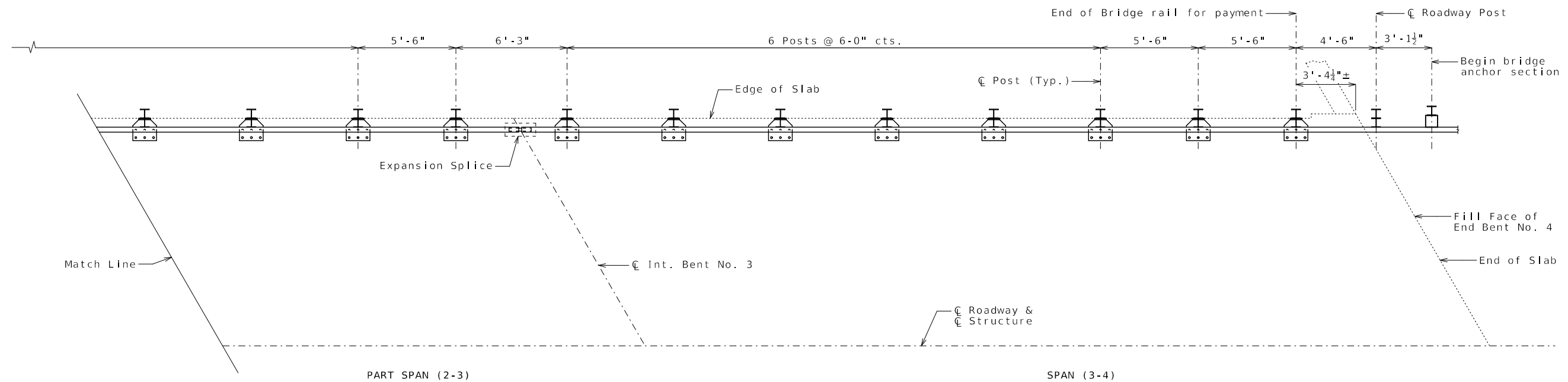
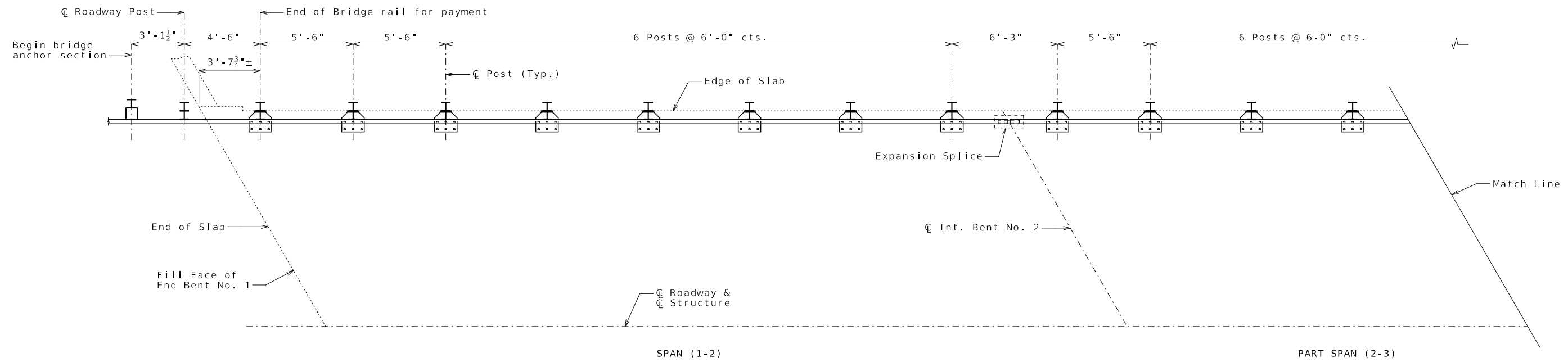
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

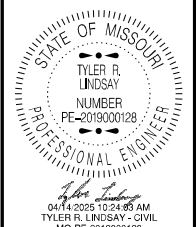




PART PLAN OF SLAB SHOWING POST SPACING  
(Left side shown, right side similar by 180° rotation)

1 SHEET ADDED

Note:  
Work this sheet with Sheets No. 3 & 4.



MCPPE-2019000128	
DATE PREPARED	
4/14/2025	
ROUTE	STATE
M	MO
DISTRICT	SHEET NO.
BR	2
COUNTY	
OREGON	
JOB NO.	
JSE0108	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
T04321	

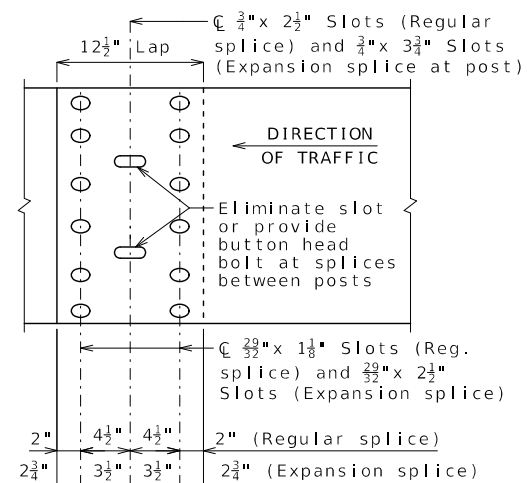
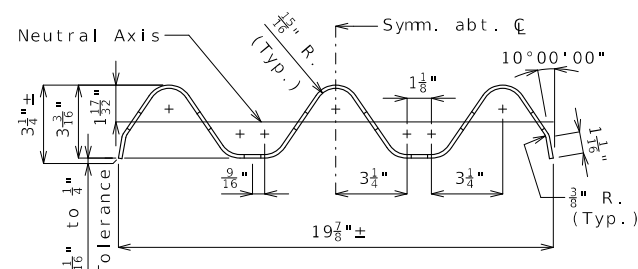
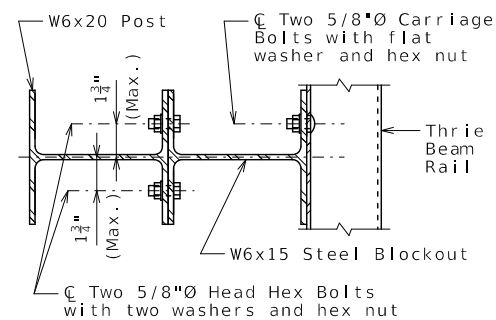
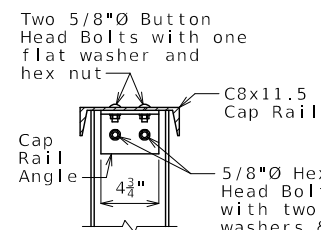
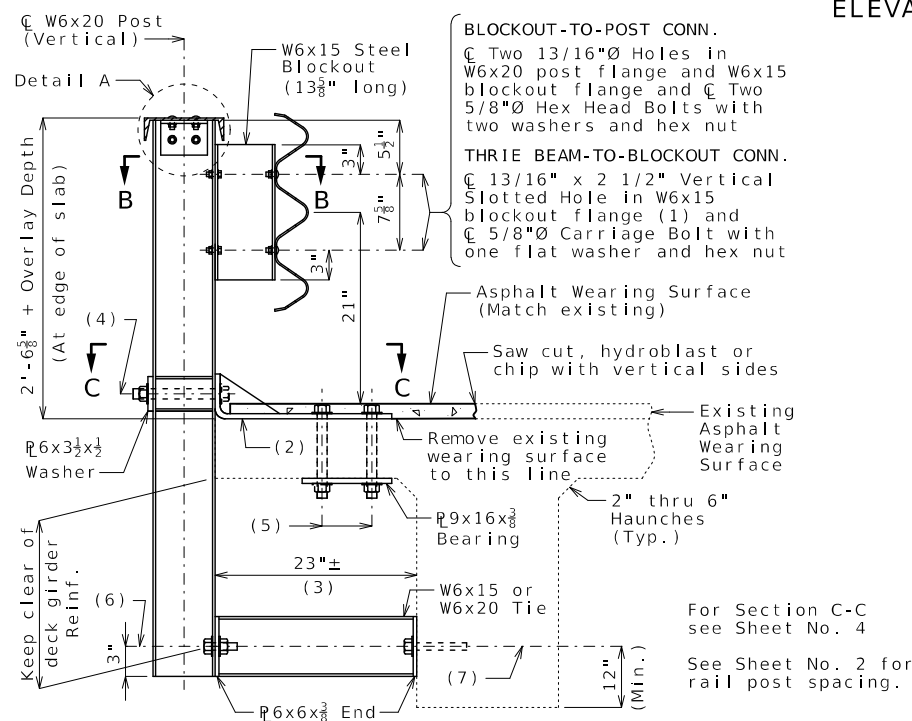
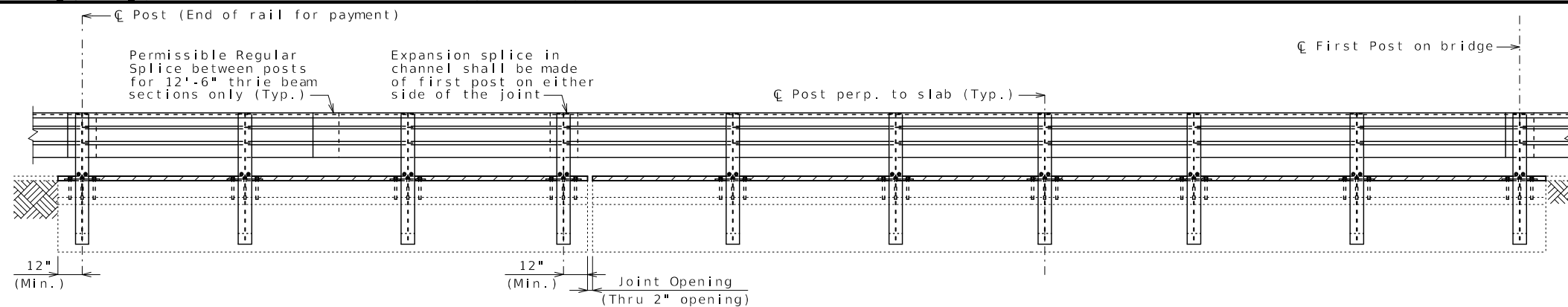
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JEFFERSON CITY, MO 65102  
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General Notes:

Guardrail delineators shall be attached to the top of the guardrail and shall similarly use the delineator details of Missouri Standard Plan 617.10, except that the delineator body shall be attached to the top of the cap rail using galvanized anchorage as shown on Missouri Standard Plan 606.00. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Guardrail delineators will be considered completely covered by the contract unit price for Bridge Guardrail (Thrie Beam).

Panel lengths of channel members shall be attached continuously to a minimum of four posts and a maximum of six posts (except at end bents).

All bolts, nuts, washers and plates will be considered completely covered by the contract unit price for Bridge Guardrail (Thrie Beam).

All steel connecting bolts and fasteners for posts and railing, and all resin anchor bolts, nuts, washers and plates shall be galvanized after fabrication. Protective coating and material requirement of steel railing shall be in accordance with Sec 1040.

Rail posts shall be set perpendicular to roadway profile grade, vertically in cross section and aligned in accordance with Sec 713 except that the rail posts shall be aligned by the use of 3 x 1 3/4-inch shims such that the post deviates not more than 1/2 inch from true horizontal alignment after final adjustment. The shims shall be placed between the blockout and the thrie beam rail. The thickness of the shims shall be determined by the contractor and verified by the engineer before ordering material for this work.

At the expansion slots in the three beam rails and channels, the bolts shall be tightened and backed off one-half turn and the threads shall be burred.

At the thrie beam connection to blackout on wings, the bolts shall be tightened and backed off one-half turn and the threads shall be burred.

Minimum length of thrie beam sections is equal to one post space.

A 5/8-inch diameter button-head, oval shoulder bolt with a minimum 3/8-inch thick hex nut shall be used at all slots.

Three beam guardrail on the bridge shall be 12-gauge steel.

Posts, cap rail angles, bent plates, blockouts, channels and channel splice plates shall be fabricated from ASTM A709 Grade 36 steel and galvanized.

Flat washers 3 x 1 3/4 x 3/16-inch minimum shall be used at all post bolts between the bolt head and beam. The washers shall be rectangular in shape with an 11/16 x 1-inch slot, or when necessary of such design as to fit the contour of the beam. Rectangular washers 3 x 1 3/4 x 5/8-inch shall be used between the blockout and the three beam rail.

Special drilling of the thrie beam may be required at the splices. All drilling details shall be shown on the shop drawings.

Fabrication of structural steel shall be in accordance with Sec 1080.

Expansion splices in the three beam rail shall be made at either the first or second post on either side of the joint and on structure at bridge ends. When the splice is made at the second post, an expansion slot shall be provided in the three beam rail for connection to the first post to allow for movement.

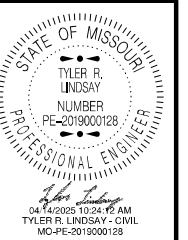
In addition to the expansion provisions at the expansion joints, expansion splices in the three beam rail and the channel shall be provided at other locations so that the maximum length without expansion provisions does not exceed 200 feet.

Shim plates 6 x 6 x 1/16-inch may be used between the top of the post and the channel member as required for vertical alignment.

Shim plates shall be galvanized after fabrication.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

See Missouri Standard Plan 606.00 for details not shown.



DATE PREPARED

/14/2025

ROUTE	STATE
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M	MO
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DISTRICT	SHEET NO.
33	3

BR	3
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COUNTY

OREGON

JOB NO.  
1350100

JSE0108

CONTRACT ID.

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PROJECT NO. \_\_\_\_\_

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