

+ Indicates prestressing strand. O Indicates cut & shop bend with 2'-6" projection.

BILL OF REINFORCING STEEL - EACH GIRDER				
NO.	SIZE & MARK	ACTUAL LENGTH	SHAPE	BENDING DIAGRAM
XXX	X A1	X'-X"	20	
XXX	X B1	X'-X"	11S	
16	6 B2	5'-3"	11S	
XXX	4 C1	2'-2"	10S	
XXX	4 D1	3'-0"	9S	

All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

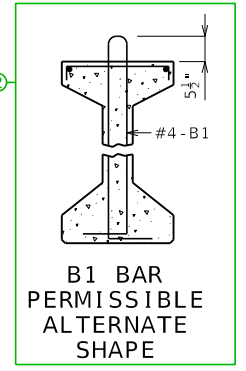
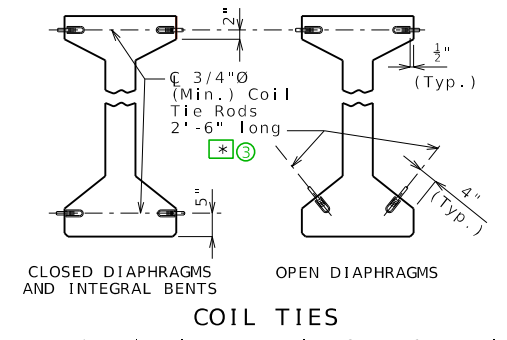
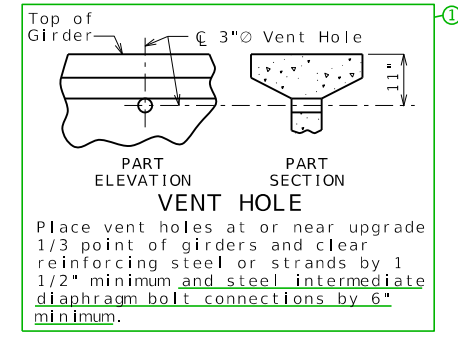
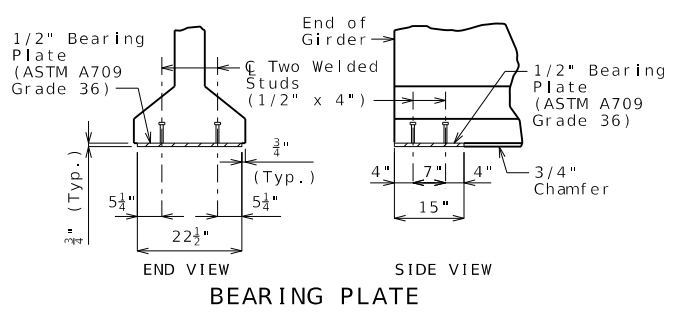
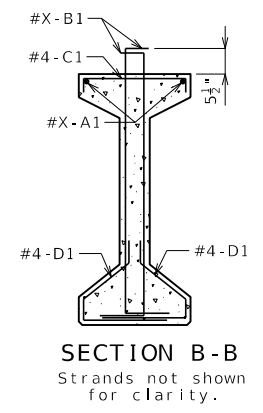
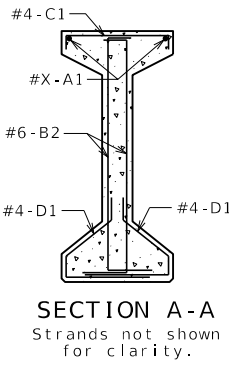
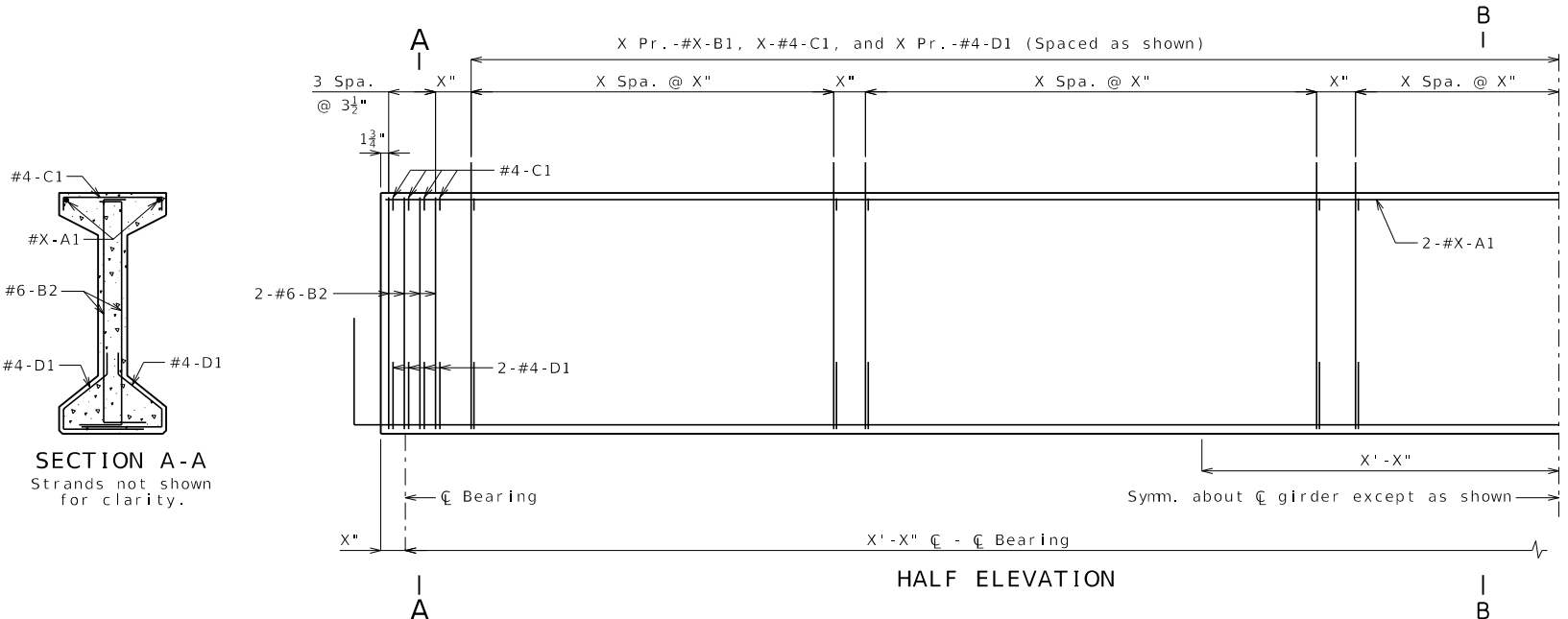
Actual lengths are measured along centerline of bar to the nearest inch.

Minimum clearance to reinforcing shall be one inch.

All reinforcement shall be Grade 60.

The two D1 bars may be furnished as one bar at the fabricator's option.

All B1 bars shall be epoxy coated.



* x'-x" at exterior face of exterior girders at end bents

I-GIRDERS - SPANS (X-X) AND (X-X)

Detailed Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

DATE PREPARED 3/27/2024	
ROUTE	STATE MO
DISTRICT	SHEET NO. 4
COUNTY	
JOB NO.	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

Standard Drawing Guidance (do not show on plans):

To display the strand details open the reference files dialog box and activate the display option of the file with the description that best matches what is required by the design.

See EPG for actual length of B1 bars which vary by size.

- ① This detail only needs to be used if the structure is over water. For all other crossings remove this detail.
- ② Remove if #5-B1 bars are used instead of #4-B1 bars.
- ③ Use with end spans when both interior & exterior girders are detailed on the same sheet, and the 2'-6" long tie rod will not fit in the exterior diaphragm portion. Remove when not necessary.
- ④ By design. Typically 30.98 kips per 1/2" strand & 43.94 kips per 0.6" strand, rounded to nearest whole kip.