

Cost of 3/4" coil tie rods placed in diaphragms will be considered completely covered by the contract unit price for Prestressed Concrete Spread Box Beam.  
Coil ties shall be held in place in the forms by slotted wire-setting studs projecting thru forms. Studs are to be left in place or replaced with temporary plugs until beams are erected, then replaced by coil tie rods.  
For location of coil ties at concrete bent diaphragms, see Sheets No. and .

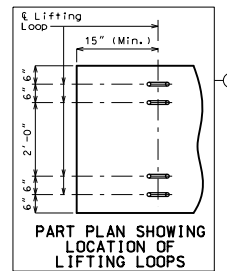
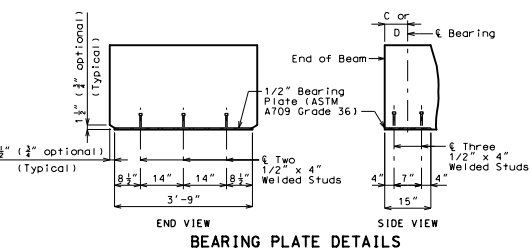
\* THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT \*

DATE PREPARED: 7/8/2019  
ROUTE: MO  
STATE: MO  
DISTRICT: BR  
SHEET NO: \*  
COUNTY: \*  
JOB NO: \*  
CONTRACT ID: \*  
PROJECT NO: \*  
BRIDGE NO: PSBXB 2

DESCRIPTION: MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
DATE: 105 WEST CAPITAL BLVD. JEFFERSON, MO 64501  
1-888-455-MODOT  
1-888-275-6689

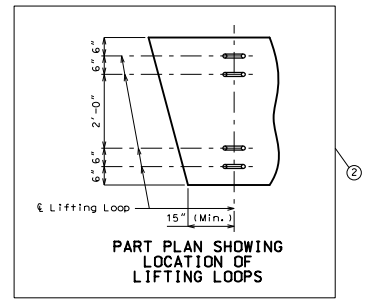
- Standard Drawing Guidance (do not show on plans):  
(Turn off level Bridge-Constructions to hide guidance)
- Use 2'-0" for box beams 2'-3" and shorter, and use 2'-6" for box beams taller than 2'-3".
  - For skewed box beams the 15" dimension is measured from the obtuse corner of the box to the lifting loop. In the Location of Lifting Loops detail, revise 15" to Varies.
  - S5 and S6 bars for skewed box beams shall be shown and annotated with \*\*\*. Referencing a note to be added, \*\*\* Splay and cut to fit. S5 and S6 bar size should match S1, S2 & S3 bar size.
  - Vent pipe shall be added when box beam is to be placed over water. Dimensions from the end of box beam to the center of vent pipe shall be added and a column added to the Table of Dimensions for Plan of Beam for Dimension F if vent is centered, Dimensions F and G if vent is not centered.
  - For skewed box beams: Face of void shall be parallel to the end of box beam with a chamfered corner at the acute corner.
  - When strands are placed continuously at 2" cts (4" space is eliminated), change drain hole dimension to 10".

Ends of box beams shall not be skewed more than 15°. This limit is to help prevent warping of the ends due to eccentric prestress forces.



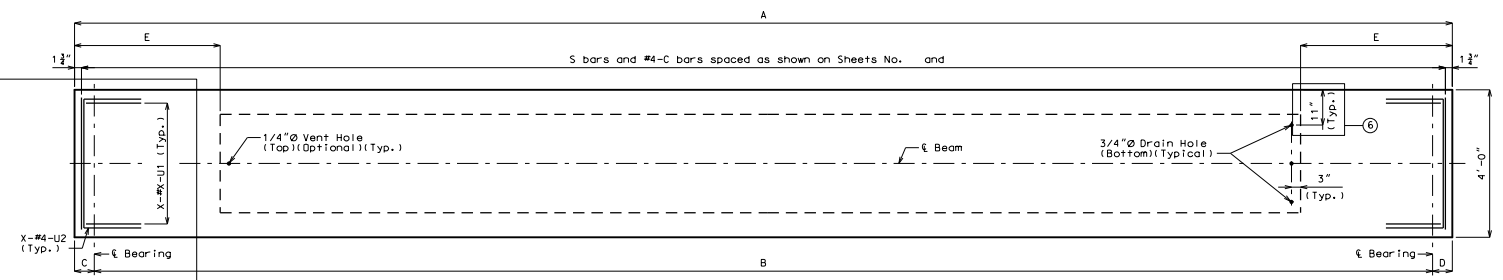
**Table of Dimensions for Plan of Beam**

Span	Beam Length A	€ Brg. to € Brg. B	Left € Brg. C	Right € Brg. D	End Length E
(X-X)	X'-X"	X'-X"	X"	X"	X'-X"
(X-X)	X'-X"	X'-X"	X"	X"	X'-X"



**Table of Dimensions for Plan of Beam**

Span	Beam Length A	€ Brg. to € Brg. B	Left € Brg. C	Right € Brg. D	End Length E	F
(X-X)	X'-X"	X'-X"	X"	X"	X'-X"	X'-X"
(X-X)	X'-X"	X'-X"	X"	X"	X'-X"	X'-X"



**DETAILS OF SPREAD BOX BEAMS**

Note: Work this sheet with Sheet No. .

Detailed Checked  
Note: This drawing is not to scale. Follow dimensions. Sheet No. of  
PSBXB02.dgn 8:21:55 AM 7/8/2019

