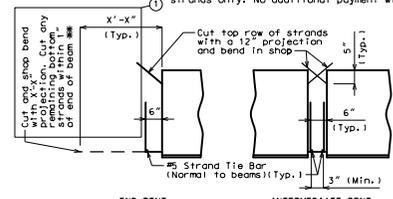
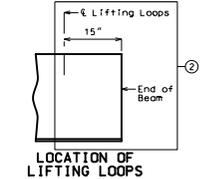


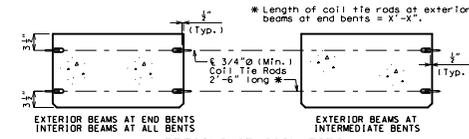
*** At the contractor's option the location for bent-up strands may be varied from that shown. The total number of bent-up strands shall not be changed. One strand tie bar is required for each layer of bent-up strands except at end bents which require one bar on the bottom layer of strands only. No additional payment will be made if additional strand tie bars are required.



STRAND DETAILS AT BEAM ENDS

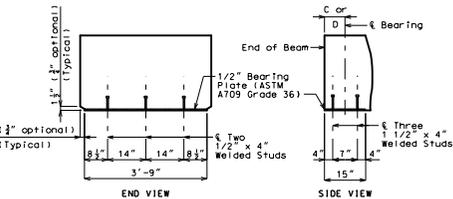


LOCATION OF LIFTING LOOPS



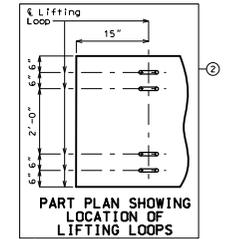
DETAILS OF COIL TIES

(Strands and reinforcement not shown for clarity)
 Cost of 3/4" coil tie rods placed in diagrams 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, see Sheets No. X and X.



BEARING PLATE DETAILS

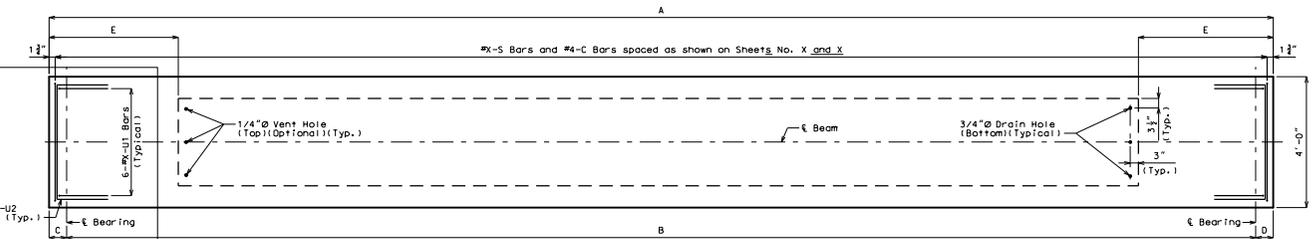
Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
 Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) and welded studs in the prestressed box beam will be considered completely covered by the contract unit price for Prestressed Concrete Spread Box Beam.



PART PLAN SHOWING LOCATION OF LIFTING LOOPS

Fabricator shall be responsible for location and design of lifting devices.

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"



PLAN OF BEAM

DETAILS OF SPREAD BOX BEAMS

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

Note: Work this sheet with Sheets No. X and X.

THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

DATE PREPARED: 4/4/2014
 COUNTY: XX
 DISTRICT: BR
 SHEET NO.: XX
 PROJECT NO.: PSBSB 2
 BRIDGE NO.: PSBSB 2

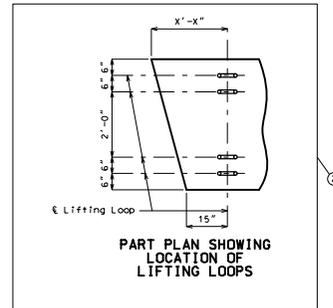
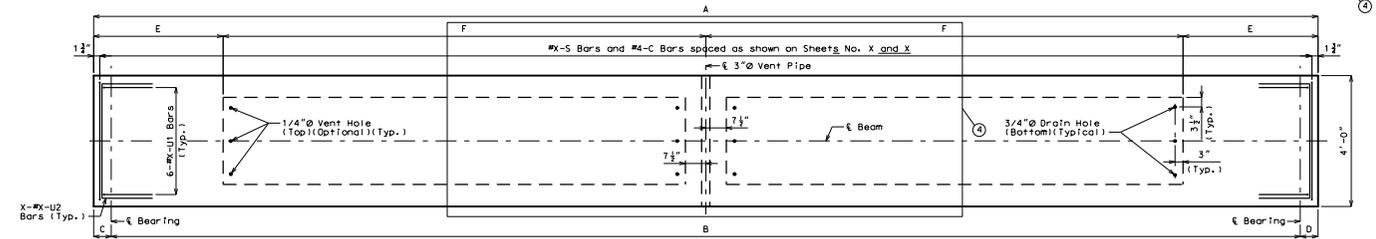
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MDT

FOR WEST CAPITAL
 1-888-555-WDDOT | 1-888-275-5551

- 1 Use 2'-0" for box beams 27" and shorter and use 2'-6" for box beams taller than 27".
- 2 For skewed box beams the 15" dimension is measured from the obtuse corner of the box to the lifting loop. The dimension from the acute corner to the lifting loop shall be added. In the Location of Lifting Loops detail, revise 15" to Varies.
- 3 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.
- 4 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.
- 5 For skewed box beams: Face of void shall be parallel with the end of box beam with a chamfered corner at the acute corner.

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"



PART PLAN SHOWING LOCATION OF LIFTING LOOPS

