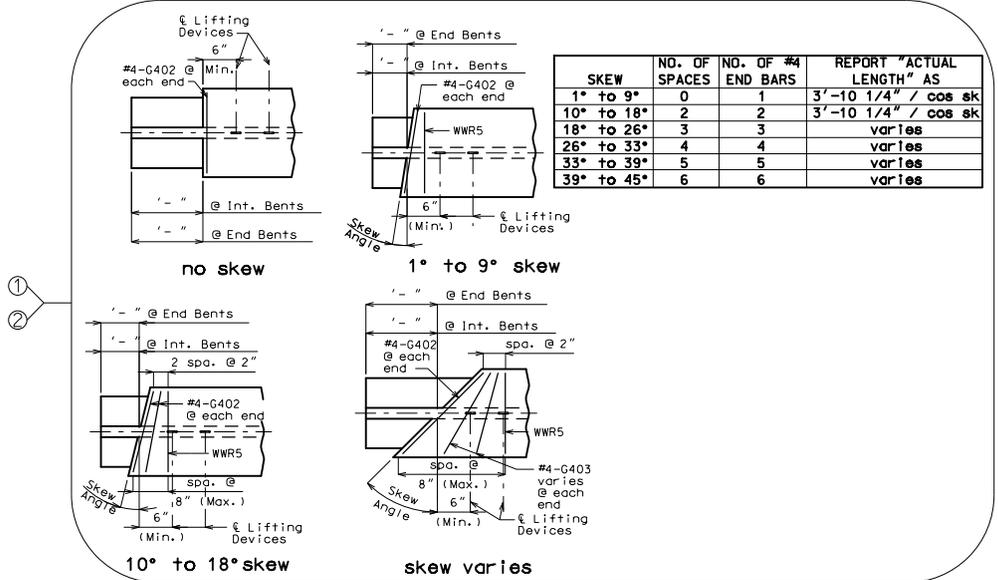


Standard Drawing Guidance (do not show on plans):

- ① Choose one of the 4 details for "TOP FLANGE BLOCKOUT DETAIL".
- ② Blockout shall be dimensioned 1 1/2" from the inside face of the diaphragm.
- ③ Max. strand arrangement shown in details including top straight strands. Remove unnecessary strands. Give spacing of top straight strands if used.
- ④ This detail only needs to be used if the structure is over water. For all other crossings remove this detail.
- ⑤ Modify note as necessary. Indicate 10 strands for NU 35.
- ⑥ Provide number of #6-B2 Bar Pairs and show each. Place #4-D1 bars with each Pair-#6-B2.
- ⑦ By design: Use 3/8" strands for reinforcement support and WWR5 to resist camber and temporary stress. Only add A1 deformed bars if strands and WWR5 are not sufficient.
- ⑧ Use for open diaphragms. Omit note about length of coil tie rods at exterior girders.
- ⑨ Adjust dimension for modified flange thickness.
- ⑩ Modify for CIP slabs.

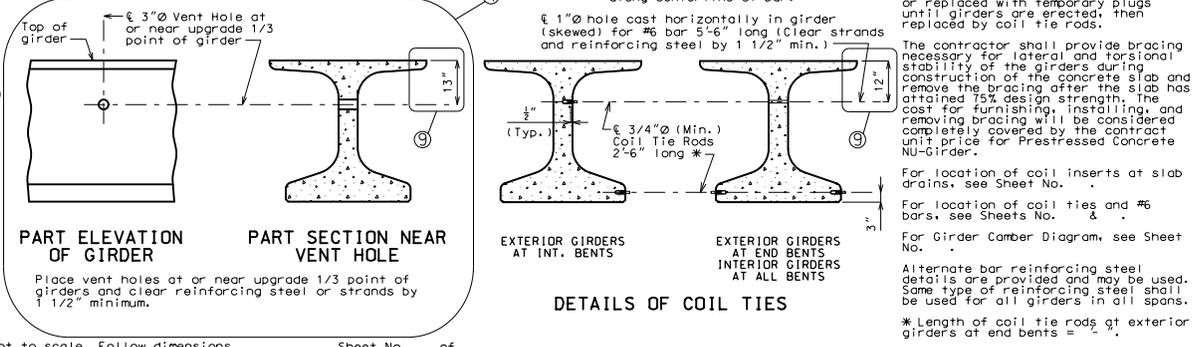
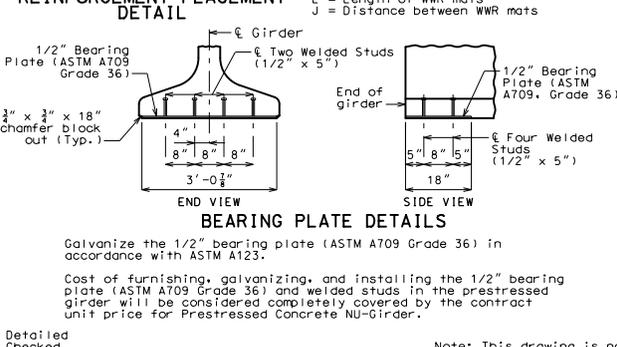
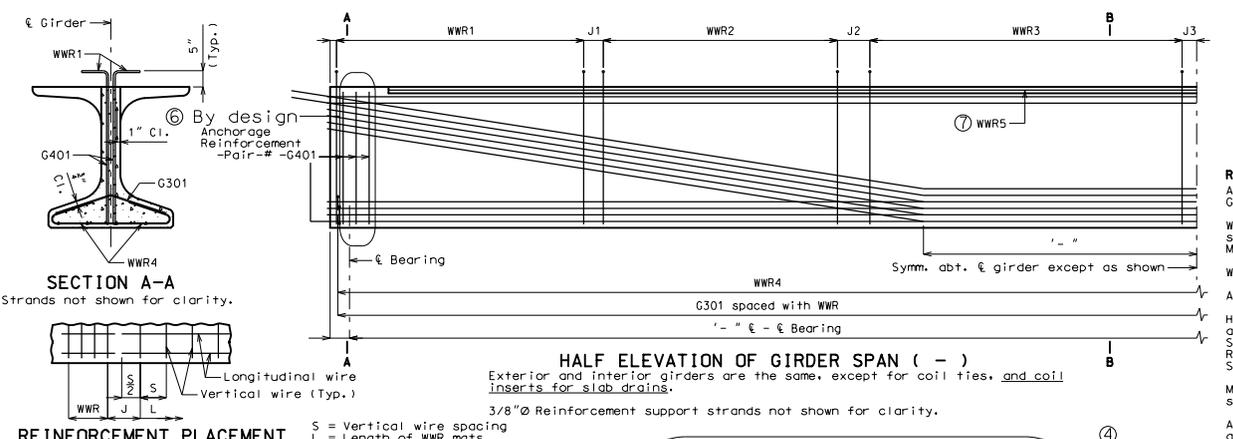
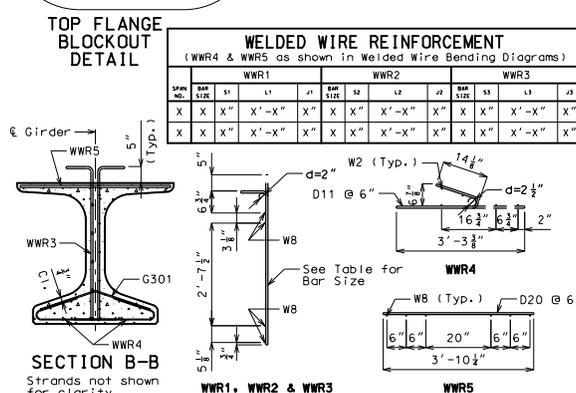
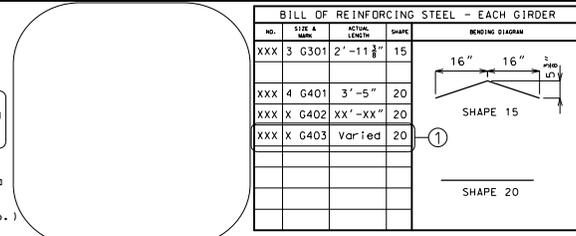
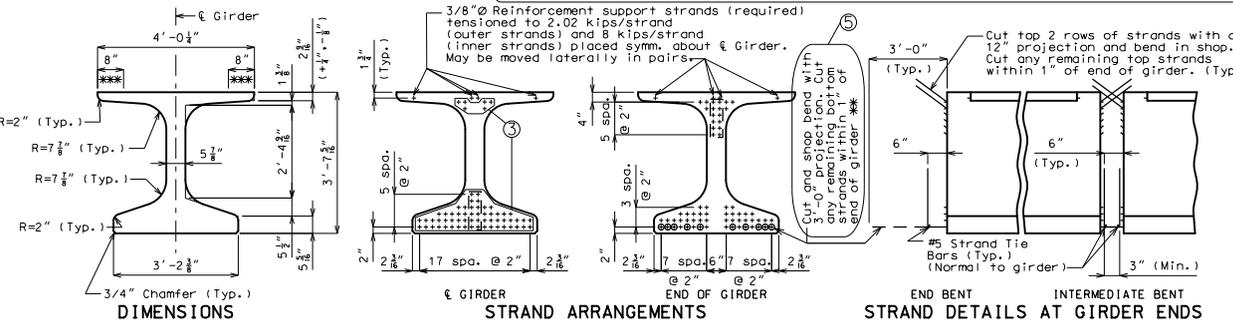


NU\_43\_WWR.dgn Effective: Jan. 2015 Supersedes: July 2014

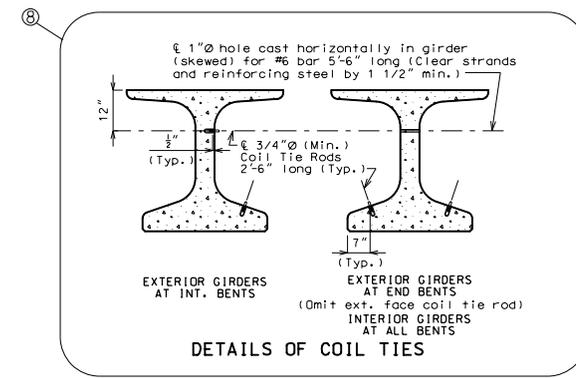
Concrete for prestressed girders shall be Class A-1 with  $f'_c = 8000$  psi and  $f'_ci = 6500$  psi.  
 (+) indicates prestressing strand.  
 Use strands with an initial prestress force of \_\_\_\_\_ kips.  
 Prestressing tendons shall be uncoated, seven-wire, low-relaxation strands, 0.6 inch diameter in accordance with AASHTO M 203, Grade 270. Prestensioning members shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.  
 \*\*\* 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.  
 \*\*\* Girder top flange shall be steel troweled to a smooth finish for 8" at the edges, as shown. Apply two layers of 30-lb roofing felt as a bond breaker to this region only excluding where joint filler is applied. The center portion shall be rough finished by scarifying the surface transversely with a wire brush, and no laitance shall remain on the surface.

NO.	SIZE & NUMBER	ACTUAL LENGTH	SHAPE	BENDING DIAGRAM
XXX	4 G301	2'-11 1/2"	15	SHAPE 15
XXX	4 G401	3'-5"	20	SHAPE 20
XXX	X G402	XX'-XX"	20	
XXX	X G403	Varied	20	



Detailed Checked Note: This drawing is not to scale. Follow dimensions. Sheet No. of



THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

DATE PREPARED: 3/19/2015

ROUTE: MO

DISTRICT: BR

COUNTY: \*

JOB NO.:

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO. NU 43

DESCRIPTION:

DATE:

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITAL REFERENCED 1-888-275-6636 1-888-ASK-MODOT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.