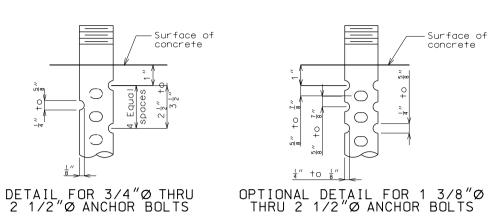
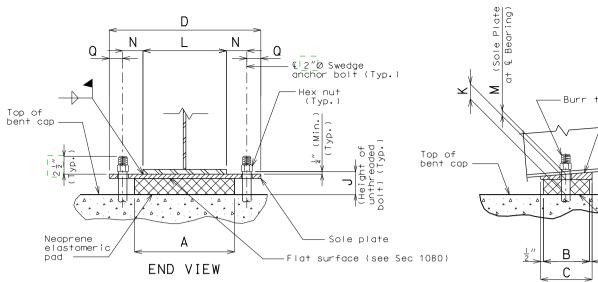
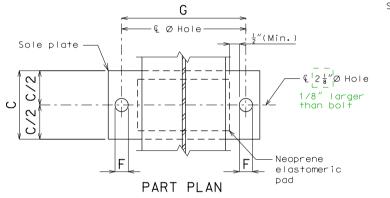
EPG 751.11 Bearings

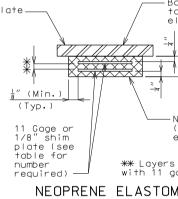
Use current standard sheet found in ProjectWise under Bridge/A Bridge Standard Drawings/Bearings/Current/



SWEDGE ANCHOR BOLT DETAILS





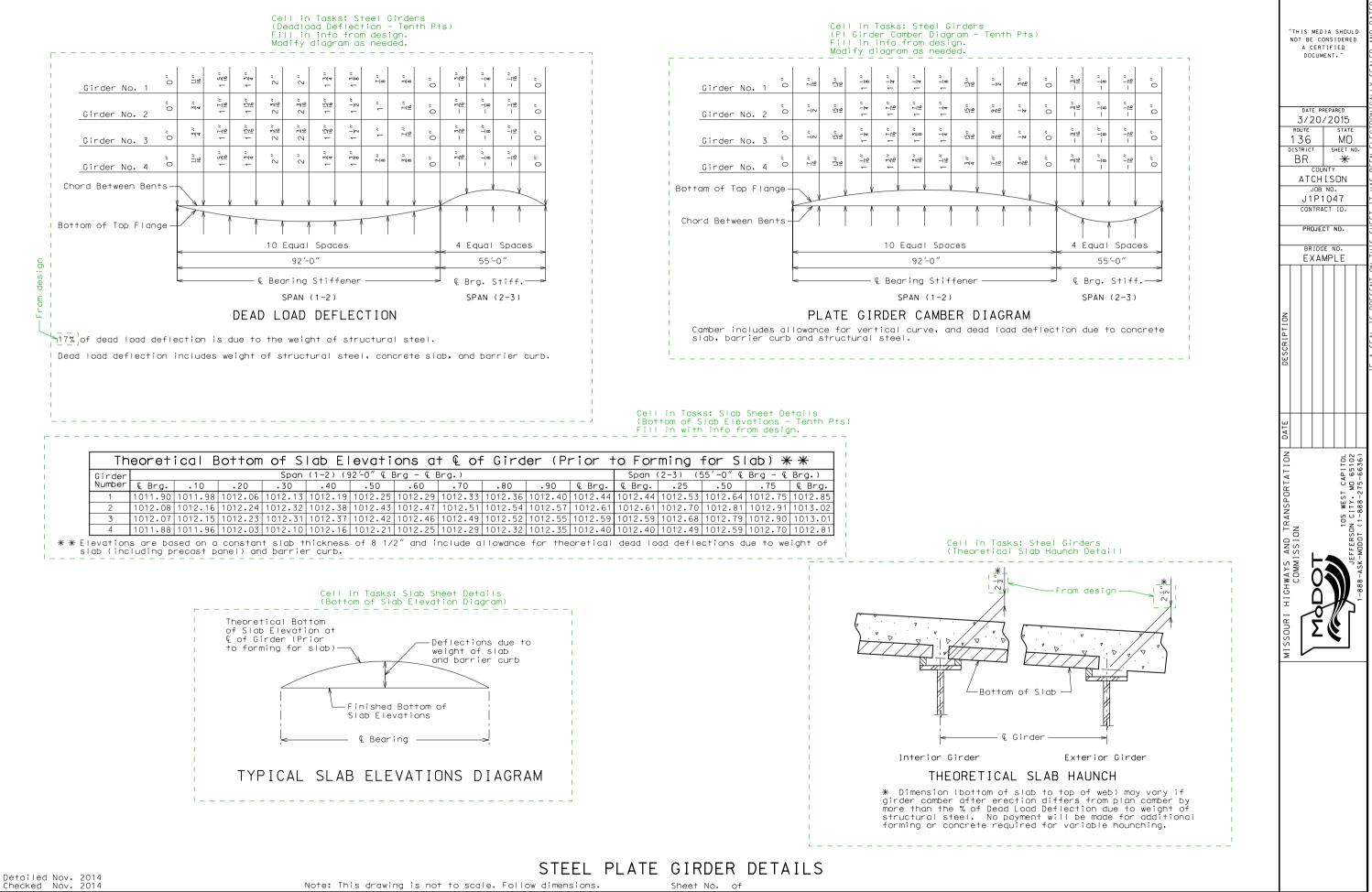


							FIX	ED E	BEAR	ING	S			I		
BENT NO.	Α	В	С	D	F	G	J	K	L	М_	_N	Р	Q	NUMBER OF SHIM PLATES *	NUMBER REQUIRED	
2	18″	16″	17″	27″	2 ±"	21″	4 4 "	2 <u>1</u> "	15″	1 ±"	3″	$\frac{1}{4}$ "	3″	4	4	ı Fill in (from design)
																-
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$\begin{array}{c} \begin{array}{c} \frac{1}{2}^{"}(\text{Min.}) \\ \hline \\ \end{array} \\ \hline \\ \\ \\ \end{array} \\ \hline \\ \\ \\ \\$	BR * COUNTY * JOB NO. * CONTRACT ID. * PROJECT NO. * BRIDCE NO. EXAMPLE NO I I I NO I I I NO I
AN AN AN AN AN AN AN AN AN AN	HIGHWAYS AND TRANSPORTATION DATE COMMISSION 105 WEST CAPITOL 105 WEST CAPITOL 1-888-ASK-MODOT (1-888-275-6636)
EPG 751.50 Standard GENERAL NOTES: Detailing	MISSOURI
Notes Notes Anchor-belts shall be ¹ 2 ["] Ø ¹ ASTM F1554 Grade 55 swedged bolts and shall extend18 ["] into the concrete with ASTM A563 Grade A Hex or Heavy Hex nuts. Actual manufacturer's certified mill test reports (chemical and mechanical shall be provided. Swedging shall be 1 ["] less than extension into the concrete.)
All structural steel for the anchor bolts and heavy hexagon nuts shall be Note H3.46 coated with a minimum of two coats of inorganic zinc primer (5 mils minimum).	
Note H3.47 Neoprene Elastomeric Pads shall be 60 Durometer.	
Note H3.49, Structural steel for sole plate shall be ASTM A709 Grade ¹ 50 ^{W1} and shall be (or H3.49.1) coated with a minimum of two coats of inorganic zinc primer (5 mils minimum).	
$_{\rm Note\ H3.50}$ $$ Laminated Neoprene Bearing Pad Assembly shall be in accordance with Sec 716.	
of Example_plans_steel_01_2015_brgs.dgn	

DETAILS OF LAMINATED NEOPRENE BEAR

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



Example_plans_steel_02_2015_diagrams.dgn

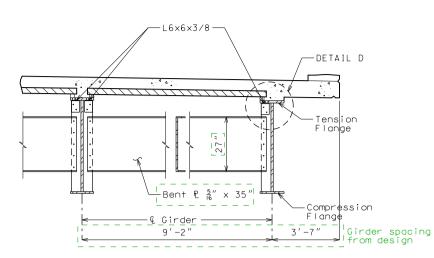
8:50:04 AM

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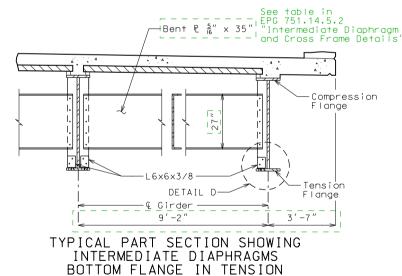
Use current standard sheet found in ProjectWise under Bridge/A_Bridge_Standard_Drawings/Diaphragms_DIA/Current/ Remove details that do not apply. Change Detail letter designations as needed (Detail A, Detail B, etc.)

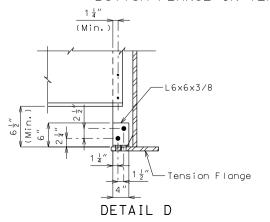
Always use the latest version from Standard Drawings. Do not copy from another structure.

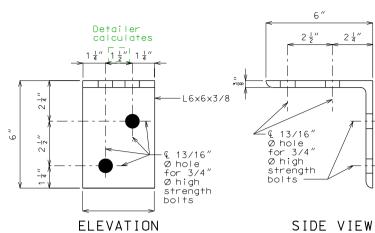


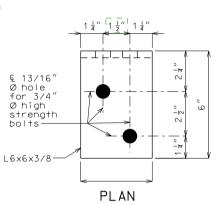
TYPICAL PART SECTION SHOWING CROSS FRAMES AND INTERMEDIATE DIAPHRAGMS TOP FLANGE IN TENSION

At the contractor's option, holes in the diaphragm plate of non slab bearing diaphragms may be made 3/16" larger than the nominal diameter of the bolt. A hardened Note H1.26, EPG 751.50 washer shall be used under the bolt head and nut when this option is used. Holes in the girder diaphragm connection plate or transverse web stiffener shall be standard size.









The two 3/4'' Ø H.S. bolts that connect the 6 x 6 x 3/8 angle to the top flange shall be placed so the nut on the inside of flange (toward the web).

The 6 x 6 x 3/8 angle legs shall be adjusted to the variable angle between bearing stiffener and top flange created by girder tilt due to grade requirements.

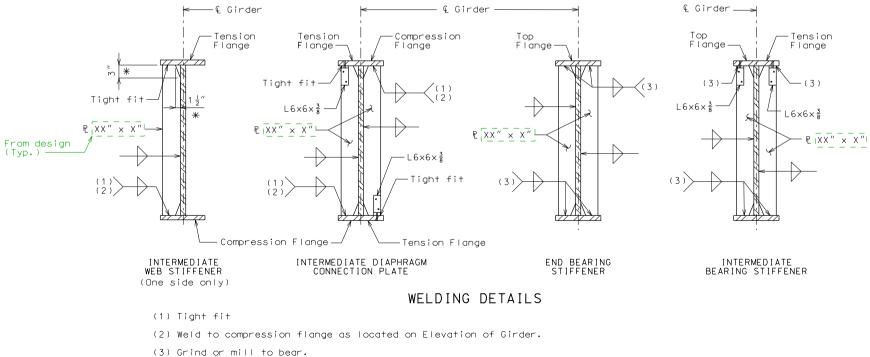
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DETAIL OF FLANGE CONNECTION ANGLE

Notes:



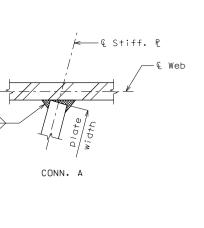
* Typical for all intermediate web stiffeners, intermediate diaphragm connection plates, and bearing stiffeners.

STEEL PLATE GIRDER DETAILS

of

Detailed Nov. 2014 Checked Nov, 2014

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



-Outside face of

exterior girder

-Point of rotation

€ Brg. stiff.

See Conn. A

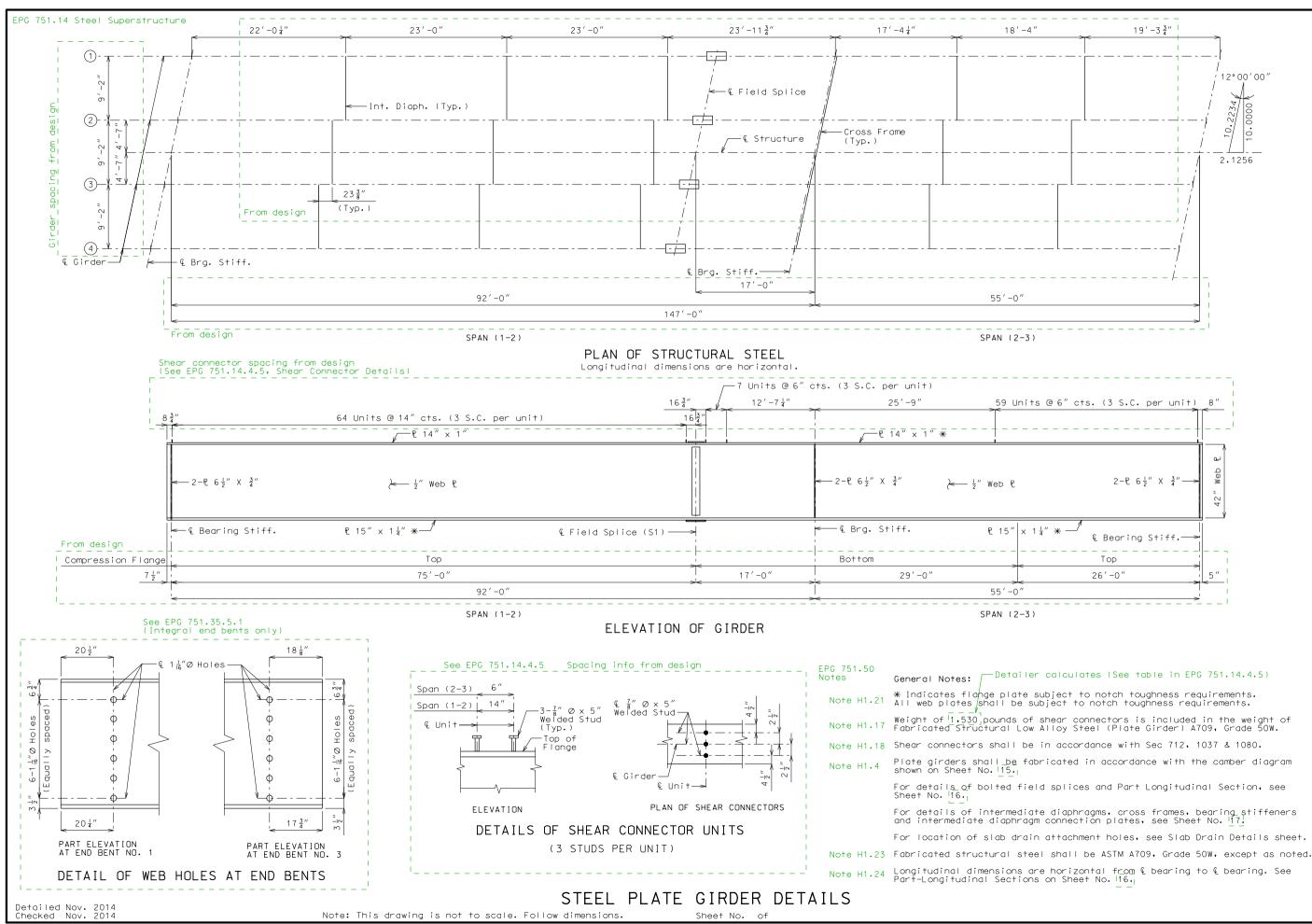
Detail

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6

END BRG. STIFF. INT. BRG. STIFF.

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