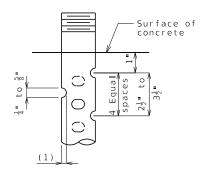
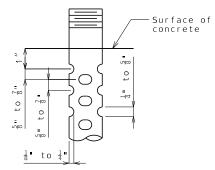
EPG 751.11 Bearings

Use current standard sheet found in ProjectWise under Bridge/Br Std Dwgs/Bearings BRG/Current/



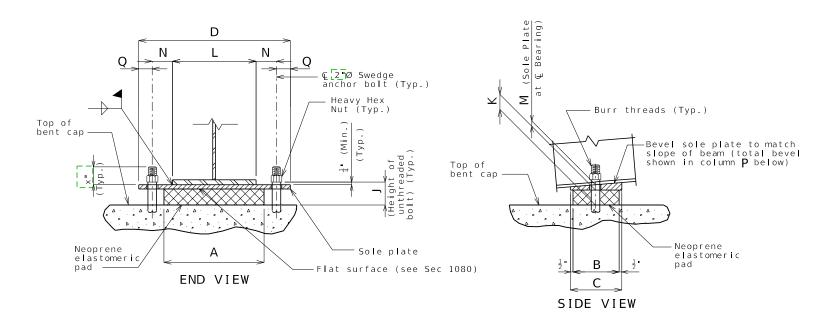


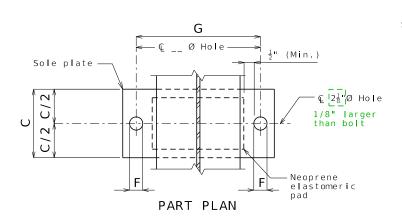
DETAIL FOR 3/4"Ø THRU 2 1/2"Ø ANCHOR BOLTS

OPTIONAL DETAIL FOR 1 3/8"Ø THRU 2 1/2"Ø ANCHOR BOLTS

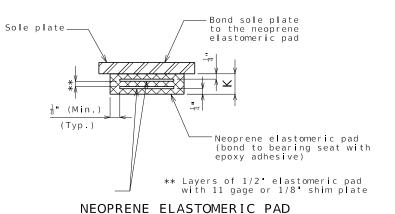
SWEDGE ANCHOR BOLT DETAILS

(1) $\frac{1}{8}$ " for $\frac{3}{4}$ "Ø thru $1\frac{1}{4}$ "Ø anchor bolts $\frac{1}{8}$ " to $\frac{1}{4}$ " for $1\frac{3}{8}$ "Ø thru $2\frac{1}{2}$ "Ø anchor bolts





EPG 751.50 Standard



		FIXED BEARINGS														
BENT NO.	А	В	С	D	F	G	J	К	L	М	N	Р	Q	NUMBER OF SHIM PLATES *	NUMBER REQUIRED	
2	18"	16"	17"	27"	2 1 "	21"	4 ¹ / ₄ "	2 1 "	15"	1½.	3"	1/4 "	3"	4	4	 Fill in (from design)
\																- '
														,-		-1
* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.											TOTAL BEARINGS	4				
														L		

Detailing Notes	GENERAL NOTES:
Note H3.45	Anchor bolts shall be 2 o ASTM F1554 Grade 55 swedged bolts and shall extend 18 into the concrete with ASTM A563 Grade A 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.
Note H3.46	Anchor bolts and heavy hex nuts shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with Sec 1081.
Note H3.47	Neoprene Elastomeric Pads shall be $\overline{[60]}$ Durometer.
Note H3.49, (or H3.49.1)	Structural steel for sole plate shall be ASTM A709 Grade 50 and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum.
Note H3.50	Laminated Neoprene Bearing Pad Assembly shall be in accordance with Sec 716.

LAMINATED NEOPRENE BEARING PAD ASSEMBLY

5/22/2023

BR

MO

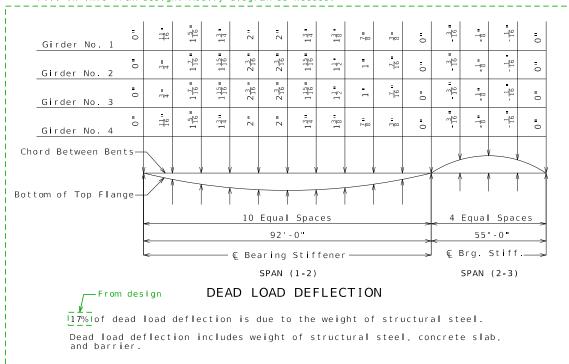
SHEET NO

1

Note: Use cells for quarter points if span is less than 75'.

CADD Stds: Deadload Deflection - Tenth Pts (Steel Girders)

Fill in info from design. Modify diagram as needed.



CADD Stds: PI Girder Camber Diagram - Tenth Pts (Steel Girders) Fill in info from design. Modify diagram as needed.

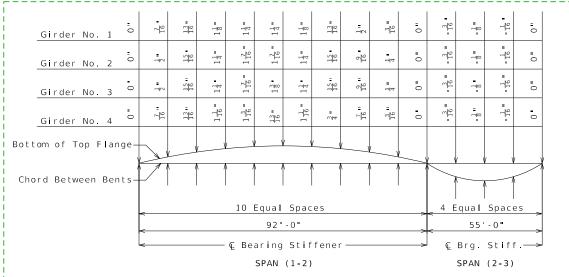


PLATE GIRDER CAMBER DIAGRAM

Camber includes allowance for vertical curve, and dead load deflection due to slab, barrier curb and structural steel.

	Theoretical Bottom of Slab Elevations at © of Girder (Prior to Forming for Slab) **													k		
Girder				Span	Span (2-3) (55'-0" © Brg - © Brg.)											
Number	€ Brg.	. 10	. 20	.30	. 40	. 50	.60	. 70	. 80	. 90	€ Brg.	€ Brg.	. 25	. 50	. 75	€ Brg.
1	1011.90	1011.98	1012.06	1012.13	1012.19	1012.25	1012.29	1012.33	1012.36	1012.40	1012.44	1012.44	1012.53	1012.64	1012.75	1012.85
2	1012.08	1012.16	1012.24	1012.32	1012.38	1012.43	1012.47	1012.51	1012.54	1012.57	1012.61	1012.61	1012.70	1012.81	1012.91	1013.02
3	1012.07	1012.15	1012.23	1012.31	1012.37	1012.42	1012.46	1012.49	1012.52	1012.55	1012.59	1012.59	1012.68	1012.79	1012.90	1013.01
4	1011.88	1011.96	1012.03	1012.10	1012.16	1012.21	1012.25	1012.29	1012.32	1012.35	1012.40	1012.40	1012.49	1012.59	1012.70	1012.81

** Elevations are based on a constant slab thickness of 8 1/2" and include allowance for theoretical dead load deflections due to weight of slab (including precast panel) and barrier curb.

CADD Std: Girder Bottom of Slab Elevations - Tenth Pts (Slab Sheet Details) Fill in with info from design

> CADD Stds: Girder Bottom of Slab Elevations Diagram (Slab Sheet Details) Theoretical Bottom of Slab Elevation at © of Girder (Prior to forming for slab) - Deflections due to weight of slab and barrier Finished Bottom of Slab Elevations © Bearing − TYPICAL SLAB ELEVATIONS DIAGRAM

Bottom of Slab

CADD Stds: Theoretical Slab Haunch

for Deck Panels (Steel Girders)

Exterior Girder

Interior Girder

THEORETICAL SLAB HAUNCH

Ç Girder-

* Dimension (bottom of slab to top of web) may vary if girder camber after erection differs from plan camber by more than the % of Dead Load Deflection due to weight of structural steel. No payment will be made for any adjustment in forming or additional concrete required for variation in haunching.

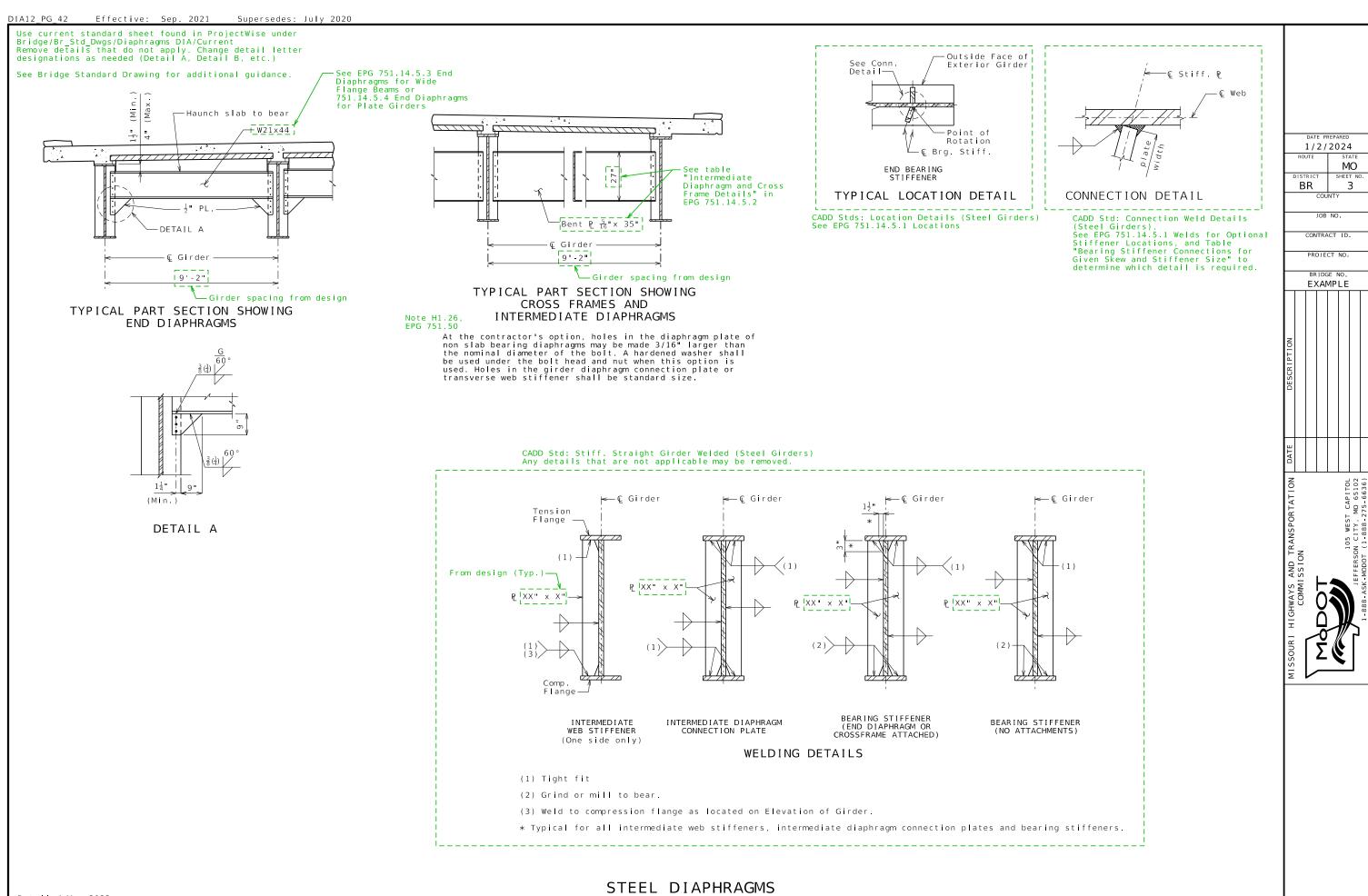
STEEL PLATE GIRDER DETAILS

Detailed Nov. 2014 Checked Nov. 2014

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

Sheet No. of

1/2/2024 MO 2 BR LOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO EXAMPLE



Detailed May 2023 Checked May 2023

