

#4-B1

BILL OF REINFORCING STEEL - EACH GIRDER	
NO. SIZE & ACTUAL SHAPE BENDING DIAGRAM	
XXX X A1 X X 20 94 22	
KXX X B1 X' X' 11S SHAPE 10S   16 6 B2 5' -3" 11S 5" 5" 5"	
	DATE PREPARED
XXX 4 C1 2 2 105 SHAPE 95 0 4	4/21/2025 ROUTE STATE
XXX 4 D1 3'-0" 95	DISTRICT SHEET NO.
SHAPE 20 SHAPE 11S	COUNTY 4
All dimensions are out to out. Hooks and bends shall be in	JOB NO.
accordance with the CRSI Manual of standard Practice for Detailing	CONTRACT ID.
einforced Concrete Structures, stirrup and Tie Dimensions.	PROJECT NO.
Actual lengths are measured along centerline of bar to the nearest inch.	BRIDGE NO.
1inimum clearance to reinforcing shall be one inch.	
All reinforcement shall be Grade 60.	
he two D1 bars may be furnished as one bar at the fabricator's option.	
All B1 bars shall be epoxy coated.	DESCRIPTION
	DESC
	ATION DATE APITOL 65102 -6636)
	AND TRANSPORTATION IISSION 105 WEST CAPITOL 105 WEST CAPITOL 105 WEST CAPITOL 105 WEST CAPITOL 105 WEST CAPITOL
General Notes:	MMISSION MMISSION
Concrete for prestressed girders shall be Class A-1 with f'c =	
Jse strands, 1/2"ØGrade 270 with an initial prestress force of ④	
cips. Pretensioned members shall be in accordance with Sec 1029.	MISSOUR
abricator shall be responsible for ocation and design of lifting levices.	2 4
xterior and interior girders are the ame except: coil ties, <u>coil inserts</u> or <u>slab drains, holes for steel</u> ntermediate diaphragms.	
or Girder Camber Diagram, see Sheet Io	
he 1 1/2"Ø holes shall be cast in he web for steel intermediate liaphragms. Drilling is not allowed. or location of holes and details of steel intermediate diaphragms, see heet No.	
or location of coil inserts at slab	
Irains, see Sheet No.	
Frains, see Sheet No. For location of coil ties at concrete Sent diaphragms, see Sheets No. &	

## PSI\_04\_type6\_4-6 Guidance & Alternate Details

Standard Drawing Guidance (do not show on plans):

To display the strand details open the reference files dialog box and activate the display option of the file with the description that best matches what is required by the design.

See EPG for actual length of B1 bars which vary by size.

① This detail only needs to be used if the structure is over water. For all other crossings remove this detail.

(2) Remove if #5-B1 bars are used instead of #4-B1 bars.

③ Use with end spans when both interior & exterior girders are detailed on the same sheet, and the 2'-6" long tie rod will not fit in the exterior diaphragm portion. Remove when not necessary.

(4) By design. Typically 30.98 kips per 1/2" strand & 43.94 kips per 0.6" strand, rounded to nearest whole kip.

(5) If lap splice is required for A bars, use 28" lap for #5 bars; 38" lap for #6 bars

