

NOTES:

1. For details not shown, see "TYPICAL SECTION" and "SECTION A-A" details on "PC/PRETENSIONED BULB-TEE GIRDER" sheet.
2. W8 WWR not shown.

6'-0" Min

10³/₁₆"

6"

LONGITUDINAL GIRDER REINFORCEMENT, Typ



⊕ 3"x3"x1" KEY @ 12 VERTICAL BETWEEN END DIAPHRAGM AND GIRDER


1'-0" Typ


1 1/2"Ø HOLES OR 1"Ø INSERT ASSEMBLY


2'-0"

1 1/2" Clr

#5  OR  STIRRUP

#4  @ 9 Max
VERTICAL, SPACE WITH
STIRRUPS IN END BLOCK

#4  @ 9 Max
(90° HOOK AT GIRDER END)

#6  6'-0"

2'-5 1/2"

#4 TOP 4 OR EQUIVALENT WWR

D20 @ 12
(D20 x W8 WWR)

D31 x D12
STIRRUP, EACH SIDE

D11
(D11 x W8 WWR)

SEE "DETAIL A"

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2. W8 WWR not shown.

Technical drawing of a cross-section of a bridge deck showing reinforcement details. The drawing includes labels for #6 bars, #5 bars, #8 x 6'-0" dowels, and dimensions like 1'-0", 2'-0", and 1'-9". It also references "DETAIL B" and "SEE 'DETAIL B'".

Labels and dimensions:

- #6, HOOK AT 1" ϕ BOLT AS SHOWN
- #5
- #5 x 6'-0" @ 12 BETWEEN GIRDERS, CENTERED ON DIAPHRAGM
- #6 Cont
- #5 Var @ 12 ***
- #6 Tot 4 BETWEEN GIRD
- SEE "DETAIL B"
- #8 x 6'-0" DOWEL
- 1'-0"
- 2'-0"
- 1'-9"

Diagram illustrating the dimensions for a 12-inch diameter hole in a girder:

- Hole diameter: 12" (D12)
- Clearance above hole: 2" Min, 6" Max
- Clearance below hole: 2 1/2" Max
- Bottom of girder clearance: 1/2" CLR

2 3/4" Min

1" Min

1" \varnothing \times 1'-0" BOLT

1" \varnothing \times 1'-0" Max BOLT

1" MALLEABLE IRON OR STEEL HEX NUT

1" Cir **

OUTSIDE FACE OF EXTERIOR GIRDER

1" Min

NOTES:

1. Bottom of stirrup WWR detail shown, top similar.
2. Longitudinal wire area shall be 40% or greater of vertical deformed wire's area.

** Dimension may be increased when
insert assembly is used at end block.

*** Hooks inward below girder top flange.

NOTE: Diaphragm may be vertical or normal to deck grade.

NO SCALE

BRIDGE STANDARD DETAILS		DESIGN	BY	CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No.	X									
xs1-121-3 FILE No.	October 2025 APPROVAL DATE	DETAILS	BY	CHECKED			XX-XXXX										
		QUANTITIES	BY	CHECKED			POST MILE										
			X	X			X.X	PC/PRETENSIONED BULB-TEE GIRDER (MISC DETAILS)									
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html		DATE PLOTTED => 29-SEP-2025 FILE => xs1-121-3.dgn		TIME PLOTTED => 14:44 USERNAME => s155182		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1	COUNTY/ROUTE /ZONE: XXX/XXX/X CONTRACT No.: XX-XXXXX4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES		SHEET	OF
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