Figure 11A.A.1 Steel Girder Bridge Detailing Example 1
Figure 11A.2 Steel Girder Bridge Detailing Example 2
Figure 11A.A.3 Steel Girder Bridge Detailing Example 3

NOTES:
1. Splice plates and bolt locations are symmetrical about a Girder Field Splice.
2. For Top Flange and Bottom Flange Splice Plates, see "SPICE PLATE DETAILS No. 2" sheet.
3. For location of "Type A" and "Type B" Field Splices, see "TENDER DETAILS No. 1" sheet.
Figure 11A.A.4 Steel Girder Bridge Detailing Example 4

NOTES:
1. Splice plates and top connections are symmetrically placed & flange field splice and E Girder through for fill details.
2. For location of "TYPE A" and "TYPE B" Field Splices, see "GIRDER DETAIL No. 7" drawing.
Figure 11A.A.5 Steel Girder Bridge Detailing Example 5

**NOTE:** All detailed connection details and details shown herein are concept details. Section details have yet to be finalized.
Figure 11A.A.6 Steel Girder Bridge Detailing Example 6

GIRDER ELEVATION - GIRDER 1
1/4" = 1'-0"

GIRDER ELEVATION - GIRDER 2
1/4" = 1'-0"

NOTES:
1. All lengths measured along E Girder.
2. Boltsed girders space are shown at field splices. Refer to the Structural Design Drawings.
3. Spliced girders are shown at field splices. For spliced girders, see "Spliced Girder Details" sheet.
4. Steel girders are shown at field splices. For steel girder details, see "Steel Girder Details" sheet.
5. Shear connectors are shown at splice plates. For details, see "Splice Plate Details" sheet.
6. For stiffeners, see "Stiffener Details" sheet.
7. For bearing details, see "Bearing Details" sheet.
8. For typical section details, see "Typical Section" sheet.
Figure 11A.A.7 Steel Girder Bridge Detailing Example 7
### Steel Girder Bridge Detailing Example 8

**Figure 11A.A.8**

**Camber Table**

<table>
<thead>
<tr>
<th>GIRDER</th>
<th>CAMBER COMPONENTS</th>
<th>SPAN 1</th>
<th>SPAN 2</th>
<th>SPAN 3</th>
<th>SPAN 4</th>
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**Notes:**
- Camber values are in feet and are measured upwards from reference line.
- Header groups will be determined by Engineer.
- $S_d$ = Steel member, $m_d$ = Mem. member

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**Design Branch X**

**State of California**

**Department of Transportation**

**SOUTH CONNECTOR OC (REPLACE)**

**Girder Details No. 3**

---

**South Connector OC Details**

**Block Diagram 1 of 3**

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**Figure 11A.A.8 Steel Girder Bridge Detailing Example 8**
Figure 11A.A.9 Steel Girder Bridge Detailing Example 9

LEGEND:
♀ - Working point
♀ - HS Bolt

NOTES:
1. All bolted connections are to be with 1 3/4 HS bolts.
2. 1 3/4" (1 3/4) holes in gusset plates for connection to Intermediate Cross Frames.
3. For gusset Connection details, see "BOLT CONNECTION DETAIL" on "Steel Girder Connection Stiffener Details" sheet.
4. For location of Intermediate Cross Frames, see "GIRDER LAYOUT No. 1" sheet.
5. Bolts to be tensioned in a span after all girders are placed within that span.

INTERMEDIATE CROSS FRAME

SECTION A-A
NOTE: Typical for all Cross Frame members.

GIRDER DETAILS No. 4
Figure 11A.A.10 Steel Girder Bridge Detailing Example 10

NOTES:
T = Designated with Tension member (Non-Fracture Critical member)
C = Designated with Compression member
T and C Zones shown extend to the nodule depth of the web.

MEMBER DESIGNATION
No Type

NOTES:
1. For Cross Frame and "VIEW C-C" locations, see " girder layout No. 1" and "girder layout No. 2" sheets.
2. Stiffener connection to tension flange is not shown.
3. For details, see "steel girder connection stiffener details" sheet.
4. Gusset plates are typically shop welded and field bolted.
5. For \"DETAIL 4\", \"DETAIL 5\" and \"DETAIL 6\", see \"girder details No. 2\" sheet.

VIEW C-C
Figure 11A.A.11 Steel Girder Bridge Detailing Example 11
Figure 11A.A.12 Steel Girder Bridge Detailing Example 12
Figure 11A.A.14 Steel Girder Bridge Detailing Example 14
Figure 11A.A.15 Steel Girder Bridge Detailing Example 15
Figure 11A.A.17 Steel Girder Bridge Detailing Example 17
Figure 11A.A.18 Steel Girder Bridge Detailing Example 18