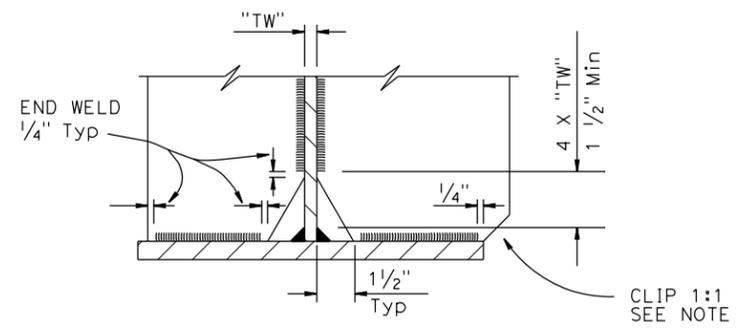
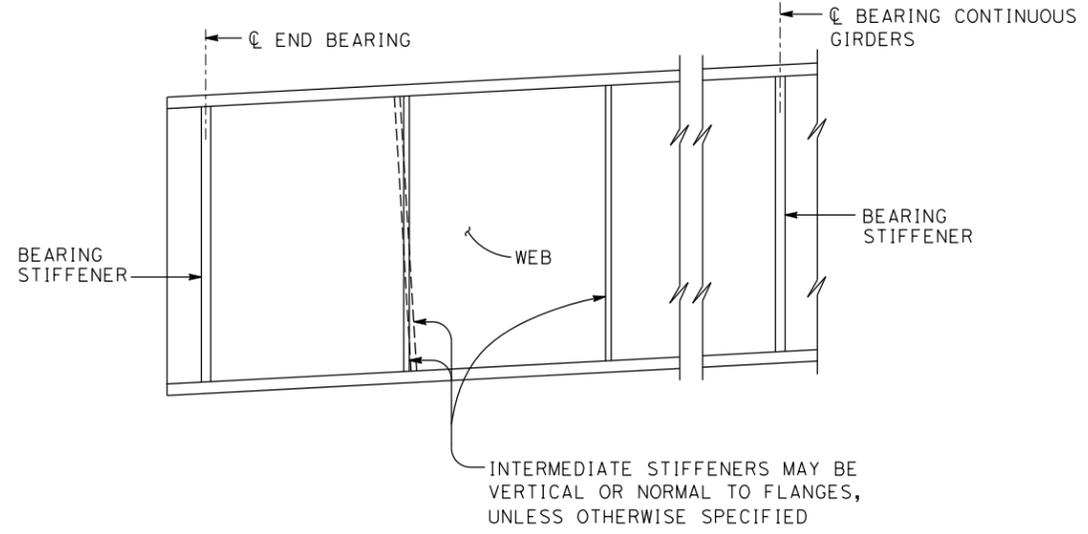


|      |        |       |                          |           |              |
|------|--------|-------|--------------------------|-----------|--------------|
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| X    | X      | X     | X                        | X         | X            |

|                           |      |
|---------------------------|------|
| REGISTERED CIVIL ENGINEER | DATE |
| X                         |      |
| PLANS APPROVAL DATE       |      |
| X                         |      |
| No. X                     |      |
| Exp. X                    |      |
| CIVIL                     |      |
| STATE OF CALIFORNIA       |      |

*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*



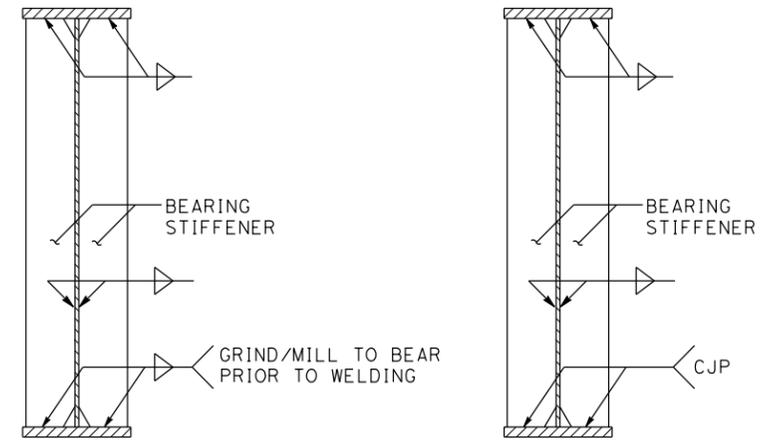
**COPE AND WELDING DETAIL**

NOTE: Omit clip at bottom flange when less than 2"

**TRANSVERSE STIFFENERS**

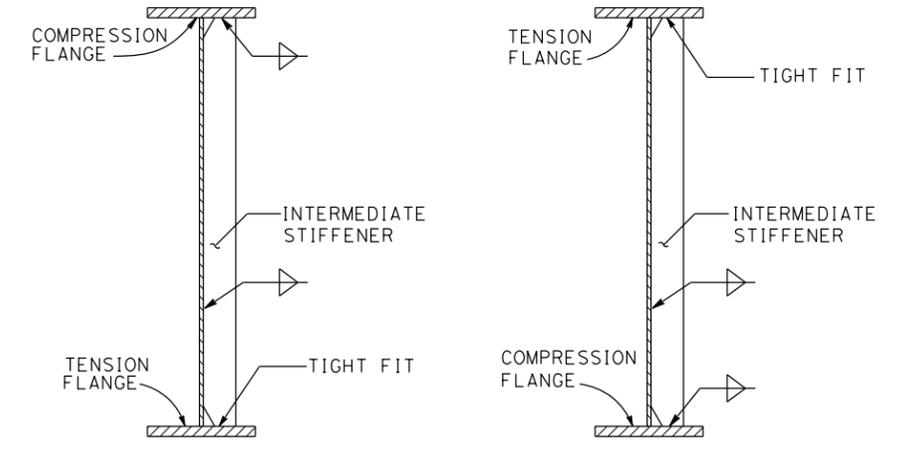
NOTES:

- Under full dead load as shown on the camber diagram, girder ends and bearing stiffeners shall be vertical except they may be normal to grade for grades less than 2%
- For intermediate stiffeners which have Cross Frames or Diaphragms attached, see xs1-410-3 "STEEL GIRDER CONNECTION STIFFENER DETAILS" sheet
- For Bearing Stiffeners which have Cross Frames or Diaphragms attached, use details shown on this sheet. For top tension flange alternative connection see "ALTERNATIVE 3 BOLTED CONNECTION" detail on xs1-410-3 "STEEL GIRDER CONNECTION STIFFENER DETAILS" sheet. See Project Plan sheets for locations where bolted connection is required
- For stiffener sizes see Project Plan sheets
- Fillet Weld size to be minimum size from Project Specifications unless otherwise shown on Project Plan sheets



**ALTERNATIVE 1**      **ALTERNATIVE 2**

**BEARING STIFFENERS**



**INTERMEDIATE STIFFENERS**

(WITHOUT CROSS FRAME ATTACHED)  
(ONE-SIDE STIFFENER SHOWN, OTHER SIDE SIMILAR)

NO SCALE

|   |   |  |                 |                                      |   |                           |            |   |
|---|---|--|-----------------|--------------------------------------|---|---------------------------|------------|---|
| STANDARD DRAWING  | STATE OF CALIFORNIA<br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES           | BRIDGE NO.<br>X | POST MILE<br>X                       | X | REVISION DATES<br>6-18-14 | SHEET<br>X | OF<br>X   |
| FILE NO. <b>xs1-410-2</b>   | APPROVAL DATE July 2014                             |  |                 |                                      |   |                           |            |   |
| DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11)) |   | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS |                 | UNIT: X<br>PROJECT NUMBER & PHASE: X |   | CONTRACT NO.: X           |            | DISREGARD PRINTS BEARING EARLIER REVISION DATES |

DATE PLOTTED => \$DATE USERNAME => \$USER TIME PLOTTED => \$TIME