DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

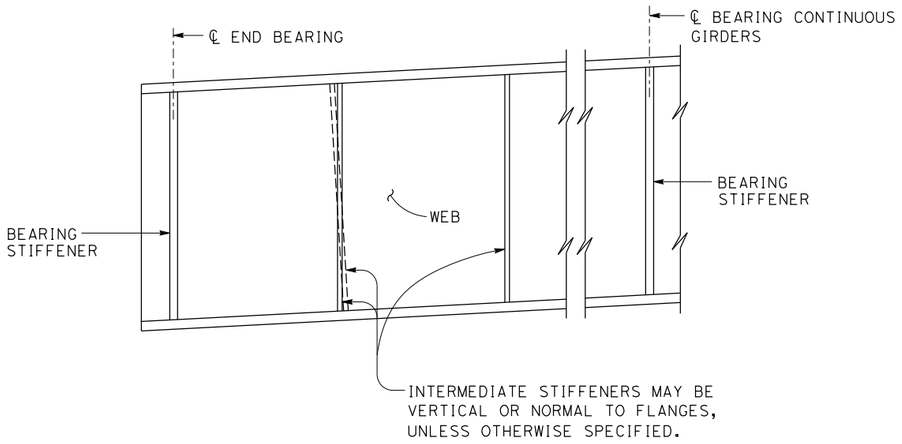
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

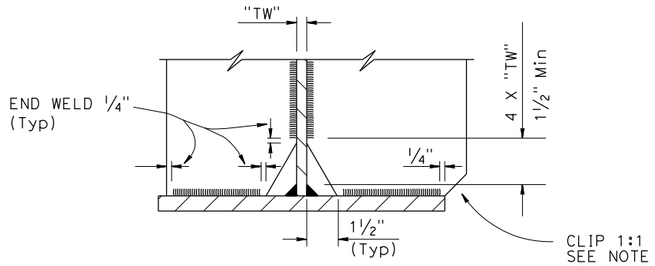
PLANS APPROVAL DATE

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

The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.



TRANSVERSE STIFFENERS

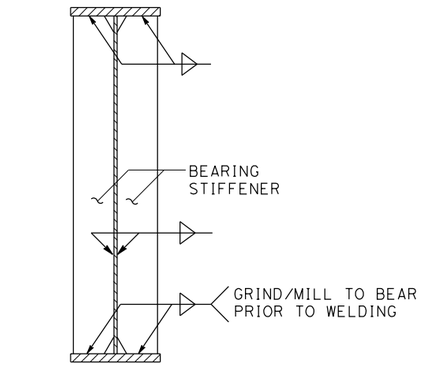


COPE AND WELDING DETAIL

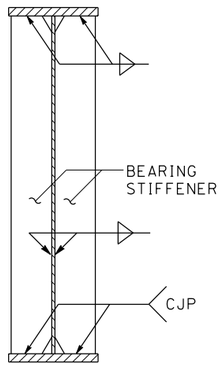
NOTE: Omit clip at bottom flange when less than 2".

NOTES:

1. 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%.
2. For intermediate stiffeners which have Cross Frames or Diaphragms attached, see xs1-410-3 "STEEL GIRDER CONNECTION STIFFENER DETAILS" sheet.
3. 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.
4. For stiffener sizes see Project Plan sheets.

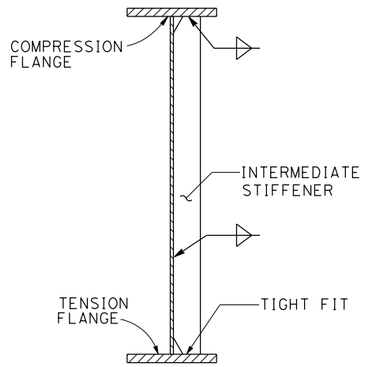


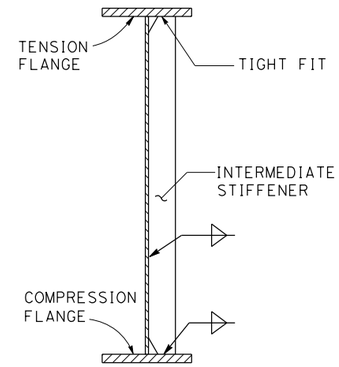
ALTERNATIVE 1



ALTERNATIVE 2

BEARING STIFFENERS





INTERMEDIATE STIFFENERS

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

NO SCALE

BRIDGE STANDARD DETAILS			STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	STEEL GIRDER TRANSVERSE STIFFENER DETAILS
xs1-410-2 FILE NO.	April 2017 APPROVAL DATE	*The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California*			POST MILE	

Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

FILE => $REQUEST
USERNAME => $USER *TIME PLOTTED => $TIME* *DATE PLOTTED => $DATE*

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT:
PROJECT NUMBER & PHASE: CONTRACT NO.:

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES			SHEET	OF
6-18-14	1-4-16	3-6-17		