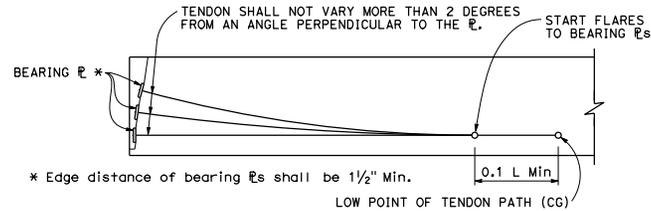


LEGEND:
 ○ - Denotes beginning or end of tendon horizontal angle change (BC, EC or PCC)

PLAN
PERSPECTIVE VIEW
DUCT TIES AT TENDON HORIZONTAL ANGLE CHANGES
DETAIL 5-1



ELEVATION - BEARING PLATE AND PRESTRESSING PATH
DETAIL 5-2

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

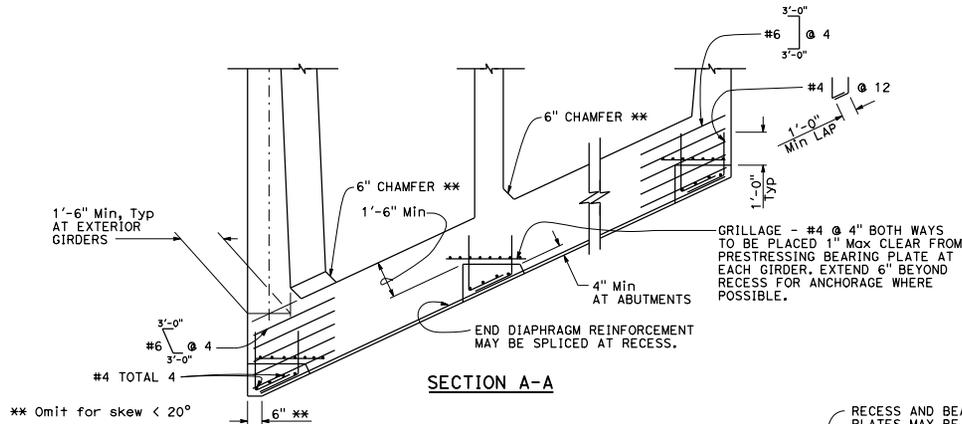
REGISTERED CIVIL ENGINEER
 Marc Friedheim
 No. C57968
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

October 30, 2015
 PLANS APPROVAL DATE

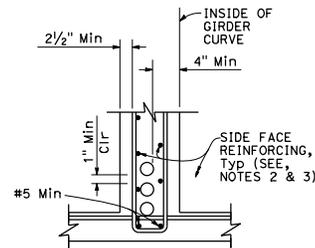
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES FOR DETAIL 5-1

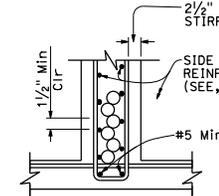
1. Tendon horizontal angle change at end diaphragm shown. Duct tie placement similar for other locations where tendon horizontal angle changes occur. For curved girders place duct ties at tendon angle changes where tendon radius is smaller than tendon radius.
2. Adjacent duct ties may be staggered to facilitate placement if stirrup spacing is less than 12 inches.
3. Place closed end of duct ties toward inside of tendon curve.
4. Wrap duct ties around both stirrup legs.
5. Individual duct ties may only be used to anchor one duct.



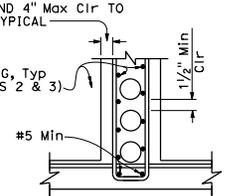
SECTION A-A
PRESTRESS ANCHORAGE DETAILS AT END DIAPHRAGMS
DETAIL 5-3



DUCTS 4 1/2" OD AND LESS FOR HORIZONTAL CURVE
RADIUS ≤ 2000'



DUCTS 4 1/2" OD AND LESS

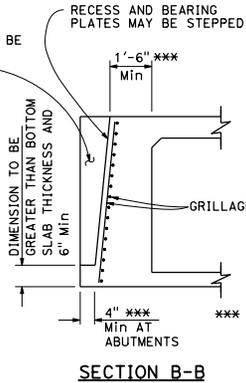


DUCTS OVER 4 1/2" OD

CLEARANCE REQUIREMENTS FOR DUCTS
DETAIL 5-4

NOTES FOR DETAIL 5-4:

1. Stirrups may also be used.
2. For additional details, see Standard Plan B7-1, and Project Plans.
3. Bar reinforcing which interferes with prestressing ducts may be adjusted as approved by the Engineer.



SECTION B-B

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE POST-TENSIONED GIRDER DETAILS

NO SCALE