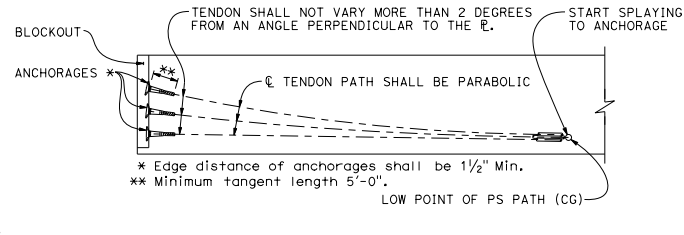
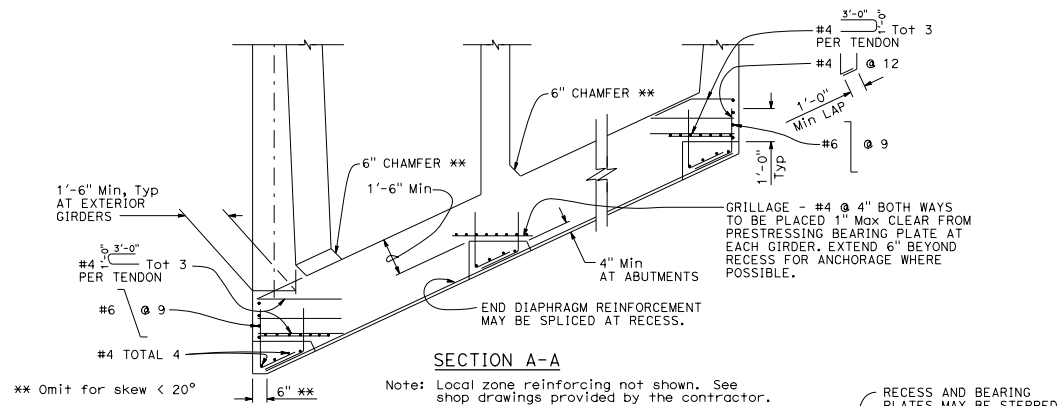


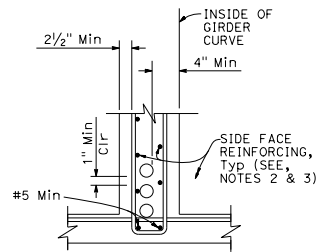
**DUCT TIES AT TENDON HORIZONTAL ANGLE CHANGES
DETAIL 5-1**



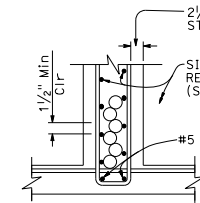
**ELEVATION - ANCHORAGES AND PRESTRESSING PATH
DETAIL 5-2**



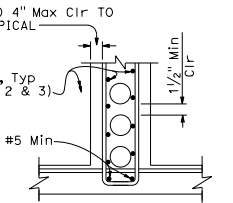
**PRESTRESS ANCHORAGE DETAILS
AT END DIAPHRAGMS
DETAIL 5-3**



**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:

- Stirrups may also be used.
- For additional details, see Standard Plan B7-1, and Project Plans.
- Bar reinforcing which interferes with prestressing ducts may be adjusted as approved by the Engineer.
- The detail for "DUCTS OVER 4 1/2" OD" shall be used on tangent and horizontally curved alignments.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**CAST-IN-PLACE
POST-TENSIONED GIRDER DETAILS**

NO SCALE

RSP B8-5 DATED JANUARY 20, 2017 SUPERSEDES STANDARD PLAN B8-5
DATED OCTOBER 30, 2015 - PAGE 309 OF THE STANDARD PLANS BOOK DATED 2015.

REVISED STANDARD PLAN RSP B8-5

2015 REVISED STANDARD PLAN RSP B8-5

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

REGISTERED CIVIL ENGINEER
Marc Fr Ledheim
No. C57968
Exp. 6-30-18
CIVIL
STATE OF CALIFORNIA

January 20, 2017
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.

TO ACCOMPANY PLANS DATED _____

NOTES FOR DETAIL 5-1

- 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.
- Adjacent duct ties may be staggered vertically to facilitate placement if stirrup spacing is 6 inches or less.
- Place closed end of duct ties toward inside of tendon curve.
- Wrap duct ties around both stirrup legs.
- Individual duct ties may only be used to anchor one duct.