

Note: Place closed end of duct ties in direction of flare

STIRRUP REINFORCEMENT AT FLARE OF GIRDER STEM

STANDARD DRAWING

SUBMITTED BY alurin a better

FILE NO. XS 12-76

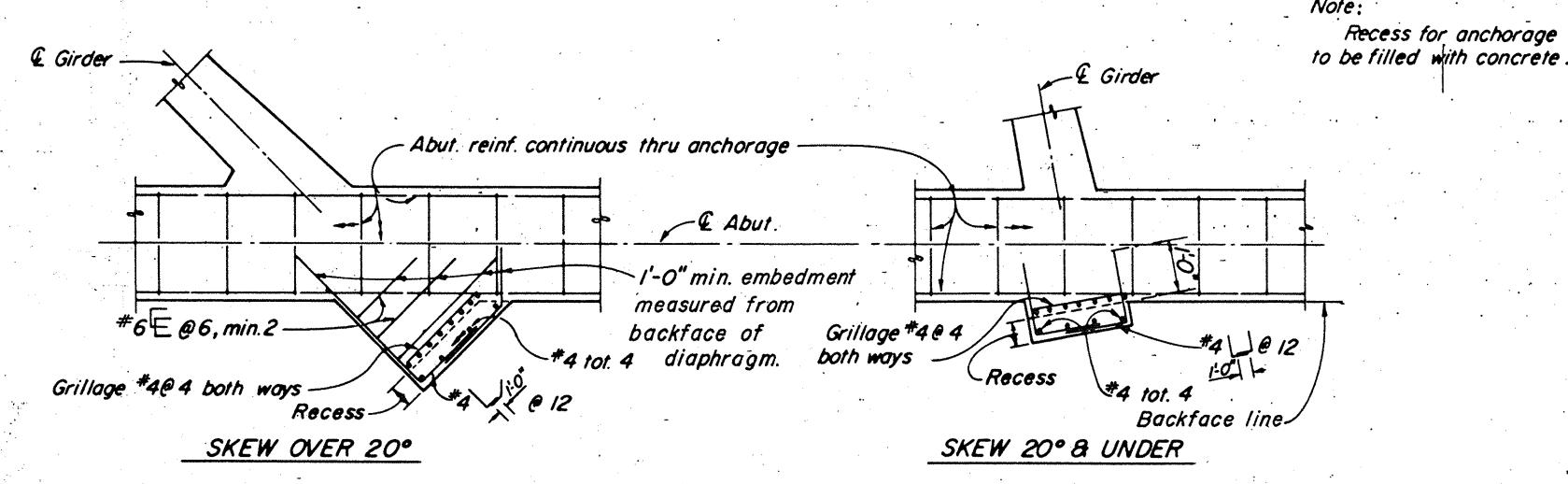
DRAWING 2/89

DS OSD 2147A (CADO 4/89)

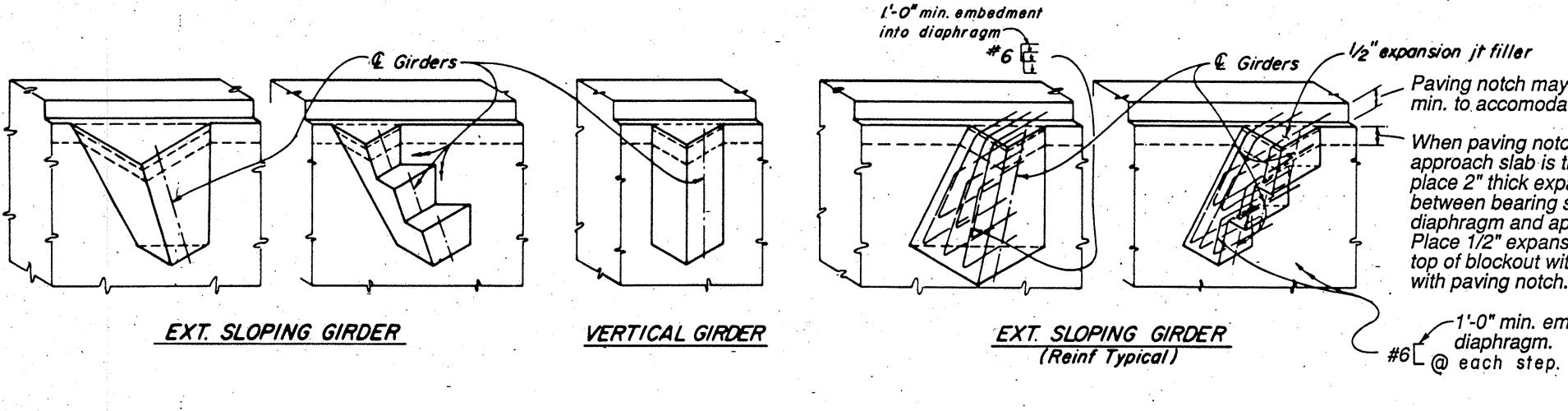
DESIGN BY

DETAILS BY

BEARING PLATE PRESTRESSING PATH



ANCHORAGE BLOCKS AT DIAPHRAGM TYPE ABUTMENTS



ANCHORAGE BLOCK ILLUSTRATIONS (ISOMETRIC VIEW)

Contractor to submit working drawings to the Engineer for approval.

APPROYAL RECOMMENDED BY J

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

ORIGINAL SCALE IN INCHES

DIVISION OF STRUCTURES STRUCTURE DESIGN

Paving notch may be reduced to 9" min. to accomodate anchor plates.

When paving notch is reduced and

approach slab is thicker than 9", place 2" thick expanded polystyrene

diaphragm and approach slab.

Place 1/2" expansion joint filler at top of blockout with top of filler flush

~1'-0" min. embedment into

between bearing seat, abutment

with paving notch.

diaphragm.

BRIDGE NO.

PACIFIC PARK DRIVE BRIDGE

DISREGARD PRINTS BEARING EARLIER REVISION DATES

CAST-IN-PLACE PRESTRESS ANCHORAGE-DIAPHRAGM ABUTMENT REVISION DATES (PRELIMINARY STAGE ONLY)

Distribution of prestressing force

Unless otherwise noted, the prestressing force shall be distributed with an approximately equal amount in each girder and shall be placed symmetrically about the £ of the structure. In slabs, the prestressing force shall be uniformly—distributed ocross the slab.

Stressing sequence:

/ min cl.

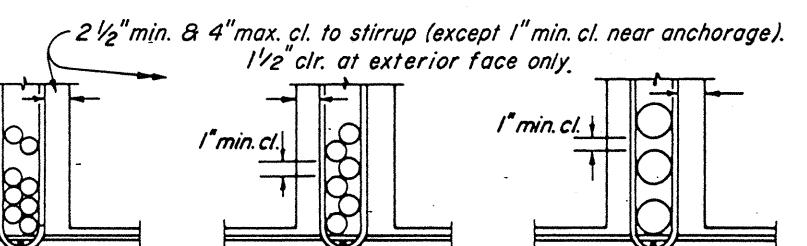
No more than V2 of the prestressing force in any girder may be applied before an equal force is applied in the adjacent girders. At no time during the stressing operations will more than 1/6 of the total prestressing force be applied eccentrically about the centerline of the structure.

Girder stem may be flared near anchorage to provide minimum clearances. Flare may be on one side of girder only.

Place duct ties, as shown for flare of girder stem, at each location where ducts change horizontal direction.

Bar reinforcement interfering with the prestressing tendon alignment shall be adjusted, as approved by the Engineer.

The contractor shall submit working drawings to the Engineer for approval. -The working drawings shall include any additions or rearrangment of reinforcing steel from that shown on the plans. Sufficient points shall be shown on the working drawings to place ducts accurately.



DUCTS 3" QD. & LESS

DUCTS OVER 3" O.D.

DUCTS OVER 41/2 O.D.

POST MILES SHEET TOTAL TOTAL PROJECT NO. SHEETS

DONALD R. LIBBY

Exp. 12-31-92

ROUTE

REGISTERED ENGINEER - CIVIL

DIST. COUNTY

PLANS APPROVAL DATE

10 41/2" QD.

CLEARANCE REQUIREMENTS FOR DUCTS

- 1. Duct patterns shown are for a 12" wide girder stem. For other widths the minimum clearances must be maintained.
- 2. Girder stirrups must be bent to fit the duct size used, or \(\subseteq \) or \(\subseteq \) stirrups may be used. A #5 minimum reinforcing bar must be placed inside of each stirrup hook or 90° bend.
- 3. For additional details see (B7-
- 4. Approval of the Engineer is required for