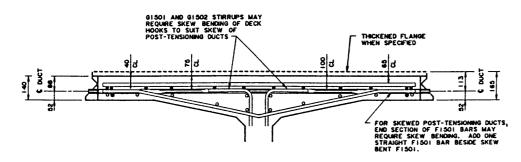


## LATERAL POST-TENSIONING



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NOTE: FLANGE CONNECTORS, SLOTTED PLATES AND BOLTS SHALL BE HOT-DP GALYANIZED AFTER FABRICATION.

TYPICAL CAMBER CORRECTION DETAIL

### GENERAL NOTES

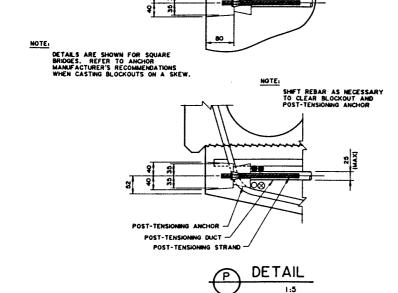
#### DECK LATERAL POST-TENSIONING

- DESIGNERS SHALL PLACE LATERAL POST-TENSIONING ON SKEW FOR SKEWS UP TO 30°. PLACE SQUARE IF SKEW IS OVER 30° UNLESS NOTED OTHERWISE.
- LATERAL STRESSING SHALL BE BY GIRDER ERECTOR UNLESS NOTED OTHERWISE.
- ANCHORAGE DETAILS REQUIRE APPROVAL BY THE ENGINEER.
- STRAND SHALL BE 12.7 - 7 WRE, LOW RELAXATION STRAND (IN 1860). STRAND FORCE SHALL BE 137 NN MIMEDIATELY AFTER SEATING.
- DUCTS SHALL HAVE A MAXIMUM VERTICAL DIMENSION OF 25 mm AND A MAXIMUM HORIZONTAL DIMENSION OF 75 mm. OVAL OR RECTANGLAR DUCTS WILL BE ACCEPTABLE SUBJECT TO APPROVAL BY THE ENGMEER.
- DUCT PROPERTIES SHALL NOT EXCEED THE FOLLOWING MAXIMUM DESIGN VALUES: K = 0.0033/m, u = 0.2

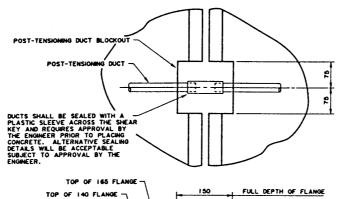
#### SEQUENCE OF FIELD OPERATIONS

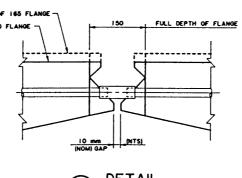
- 1. OBTAIN APPROVAL FOR FIELD STRESSING PROCEDURES PRIOR TO STRESSING.
- ALIGN GIRDERS VERTICALLY AT MIDSPAN TO ELIMINATE DIFFERENTIAL CAMBER BETWEEN ADJACENT GIRDERS.
- 3. CAST DIAPHRAGMS.
- 4. INSTALL TIGHT FITTING SLEEVES FOR CONTINUITY OF SEALED DUCTS AT SHEAR KEYS.
- PLACE CONCRETE IN LONGITUDINAL KEYS; IT SHALL OBTAIN A MINIMU COMPRESSIVE STRENGTH OF 28 MPa PRIOR TO STRESSING.
- 6. TENSION ALL STRANDS FROM ONE SIDE OF THE DECK. STRESSING IN EACH SPAN SHALL START AT ONE END, SEQUENTIALLY DOING ALTERNATE STRANDS I, 3, 5, 7 ... ETC. SUBSEQUENT STRESSING MAY START FROM EITHER END.
- PRESSURE GROUT ALL DUCTS WITH AN APPROVED GROUT WITHIN 24 HOURS AFTER TENSIONING. MANMAUM GROUT STRENGTH SHALL BE 30 MPG AT 28 DAYS.
- 8. PATCH ANCHOR BLOCKOUTS IN CURB GIRDERS WITH AN APPROVED NON-SHRINK, NON-STAINING GROUT.
- 9. APPLY CLASS 3 FWISH TO OUTSIDE FACE OF ALL CURB GIRDERS INCLUDING FUNSHED ANCHOR BLOCKOUTS.





POST-TENSIONING ANCHOR BLOCKOUT SPACED @ 1400 O/C ALONG CURB GROER ONLY





Q DETAIL

APPROVED

APPROVED

APPROVED

APPROVED

TRANSPORTATION AND UTILITIES

BRIDGE ENGINEERING BRANCH

EXECUTIVE DATE

EXECUTIVE DAT

MAN 05, 1991 BBNEIL - 5: 59: #90 DWG

SHEET 3