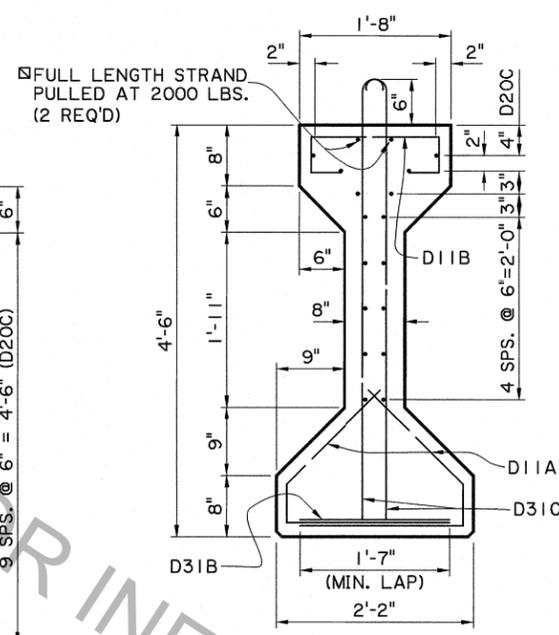
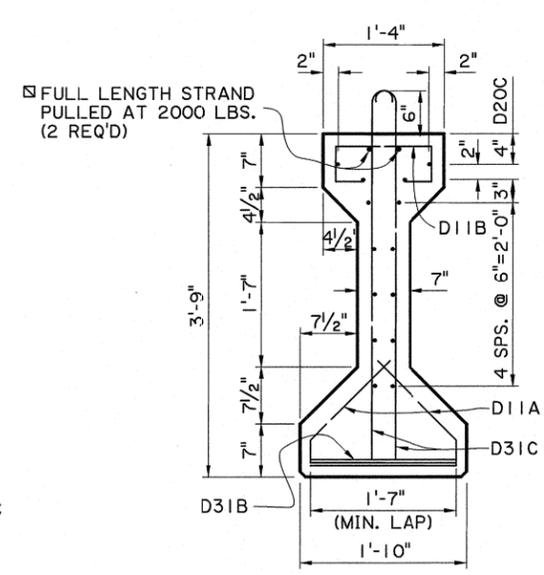


TYPE BT-72
(SHOWING END REINFORCEMENT)

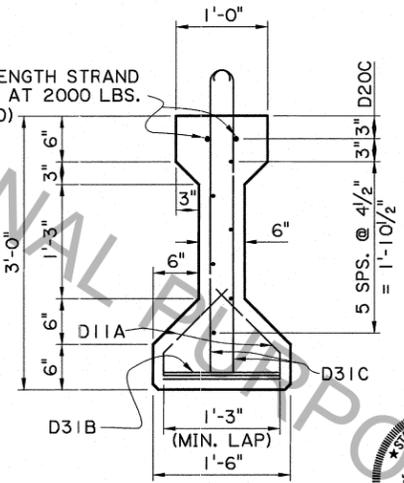
WHERE PLAN DETAILS SHOW MILD REINFORCING BARS ONLY, THE WWF WIRE SPACING & SIZE SHALL MATCH THE REBAR SPACING & SIZE ON A ONE TO ONE BASIS.



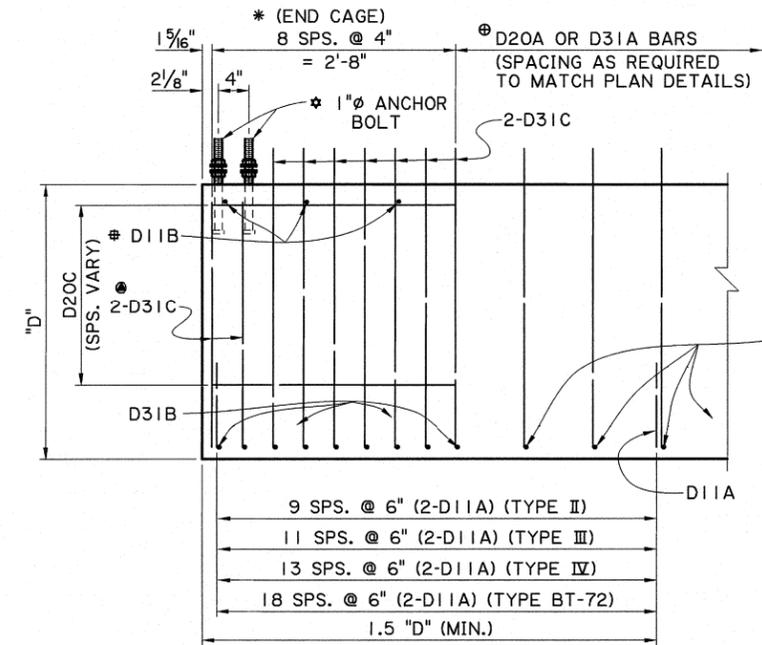
TYPE IV
(SHOWING END REINFORCEMENT)



TYPE III
(SHOWING END REINFORCEMENT)

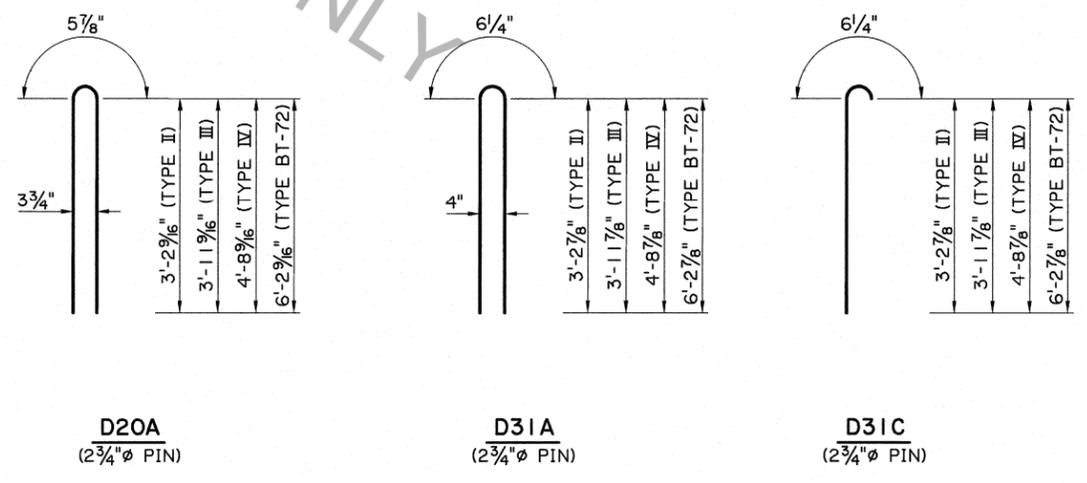
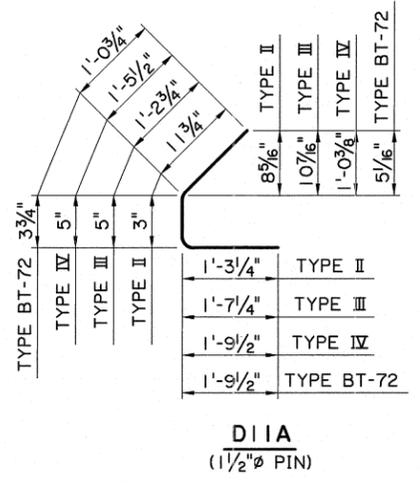
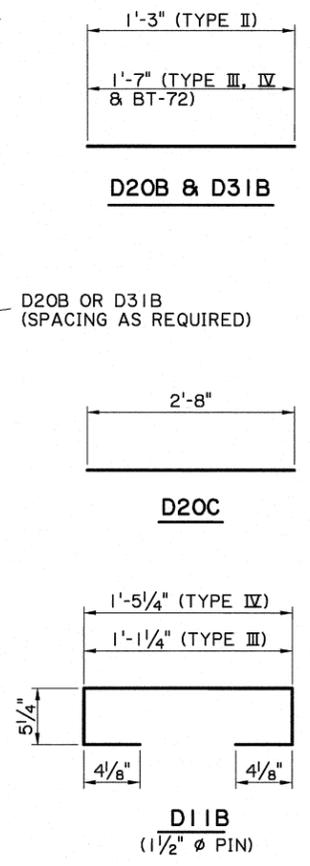


TYPE II
(SHOWING END REINFORCEMENT)



TYPICAL GIRDER END

- D31C BARS SHORTENED BY 7" AT ANCHOR BOLT LOCATIONS
- D11B BARS REQUIRED AT EACH END OF GIRDER FOR TYPE III & IV
- ★ USE 1 (ONE) ANCHOR BOLT FOR END DAM TYPE JOINT
USE 2 (TWO) ANCHOR BOLTS FOR STRIP SEAL TYPE JOINT
OMIT ANCHOR BOLTS AT CONTINUITY ENDS
- * AT SKEWED END BENTS & TRANSITION BENTS, MILD STEEL REINFORCEMENT IN LIEU OF WWF BARS D11A, D31B & D31C, SHALL BE USED FOR END CAGE ONLY. SEE SHEETS 3 & 4 OF 5



DETAIL SCALE: 1" = 1'-0"

PRESTRESSED GIRDER NOTES

FABRICATION TOLERANCES, STRESSING AND DETENSIONING OF THE PRECAST-PRESTRESSED CONCRETE GIRDERS SHALL BE AS SPECIFIED IN THE "MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF STRUCTURAL PRECAST CONCRETE PRODUCTS (MNL-116, LATEST EDITION)" PUBLISHED BY PCI.

PRESTRESSING STEEL SHALL BE 1/2" NOMINAL DIAMETER, UNCOATED, SEVEN-WIRE STRANDS, GRADE 270, CONFORMING TO ASTM DESIGNATION A 416M. THE STRANDS SHALL BE LOW-RELAXATION WITH AN INITIAL APPLIED FORCE OF 30,980 POUNDS.

CONCRETE IN PRECAST-PRESTRESSED CONCRETE GIRDERS SHALL BE EITHER CLASS P CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I. AT RELEASE OF STRANDS AND 5,000 P.S.I. AT 28 DAYS, OR CLASS P(M) CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,500 P.S.I. AT RELEASE OF STRANDS AND 6,000 P.S.I. AT 28 DAYS, OR CLASS P(X) CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,500 PSI AT RELEASE OF STRANDS AND 7,500 PSI AT 28 DAYS, OR AS CALLED FOR IN THE PLANS.

THE CONTRACTOR SHALL SUBMIT A METHOD OF HOLDING DRAPED STRANDS IN PLACE AND SHALL SUBMIT METHOD AND SCHEDULE FOR RELEASE OF HOLD-DOWNS AND CABLE STRAND TO THE BRIDGE DESIGN ENGINEER FOR APPROVAL. PRESTRESSED GIRDERS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES DURING STORAGE AND HANDLING AND MUST BE SUPPORTED FROM POINTS WITHIN 3'-0" OF GIRDER ENDS. DISREGARDING THIS REQUIREMENT MAY LEAD TO COLLAPSE OF THE MEMBER.

WELDED WIRE FABRIC FOR PRECAST PRE-STRESSED CONCRETE GIRDERS SHALL CONFORM TO ASTM DESIGNATIONS A496 & A497. WWF SHALL BE FABRICATED TO CLOSE DIMENSIONAL TOLERANCES TO PROVIDE ONE (1) INCH MINIMUM CLEARANCE FROM EDGE OF BAR TO FACE OF GIRDER. DIMENSIONS SHOWN ON WELDED WIRE DIMENSIONS ARE OUT-TO-OUT OF BAR.

CONTRACTOR SHOULD NOTE THAT THE CAMBER SHOWN ELSEWHERE IN THE PLANS IS APPROXIMATE AND ASSUMES DECK PLACEMENT 90 DAYS AFTER STRAND RELEASE. THE CONTRACTOR SHOULD ATTEMPT TO HAVE THE GIRDERS CAST NO MORE THAN 90 DAYS BEFORE DECK PLACEMENT. ANY ADJUSTMENTS TO THE PROJECT THAT ARE REQUIRED DUE TO AN INCREASE IN CAMBER FROM THE VALUES SHOWN IS THE CONTRACTOR'S RESPONSIBILITY AND COST.

BIDS WILL BE TAKEN PER LINEAR FOOT OF PRECAST-PRESTRESSED CONCRETE GIRDER IN PLACE. THE BID PRICE PER LINEAR FOOT OF GIRDER IN PLACE SHALL INCLUDE THE COST OF ALL MATERIALS AND LABOR REQUIRED TO MANUFACTURE AND ERECT THE GIRDER AS SHOWN ON THE DESIGN DRAWINGS. THE FOLLOWING MATERIALS ARE TO BE PAID FOR IN THE PRICE BID PER LINEAR FOOT OF GIRDER:

CLASS P, P(M) & P(X) CONCRETE, WELDED WIRE FABRIC, REINFORCING STEEL & PRESTRESSING STRANDS, BOLTS, NUTS AND WASHERS FOR END DAM ANCHORAGE, BEARING PADS, THREADED INSERTS, COIL INSERTS, WASHERS, CAP SCREWS AND L 5x5 1/2 AT BEARING ASSEMBLY.

PRESTRESSING STRANDS STRESSED TO A MAXIMUM OF 2,000 POUNDS MAY BE SUBSTITUTED FOR WWF BARS D11C.

FULL LENGTH STRANDS ARE GENERALLY PULLED TO 2,000 POUNDS BUT MAY BE PULLED UP TO 5,400 POUNDS TO REDUCE UNDESIRABLE SAG.



SHEET NUMBER

DESIGNED: [] CHECKED: []

DATE: []

REVISION OR CHANGE ORDER DESCRIPTION

BY: []

NO. []

DATE []

PARISH: [] CONTROL SECTION: [] STATE PROJECT: []

DETAILED BY: C. DELATOUR CHECKED BY: J. NAKHLEH

DATE: 09-30-2003

SERIES NUMBER: 5 OF 5

STANDARDS: []

MISC. SPAN AND GIRDER DETAILS (MISC. SPAN & GIRDER DETAILS WELDED WIRE FABRIC REINFORCEMENT)

DOTD