



NOTE: BOLT ALL PANELS TO PILING WITH 3/4" x 8" x 8" MACHINE BOLTS EXCEPT WHERE EYE-BOLTS ARE USED.
2 ~ STANDARD WASHERS REQ'D. EACH BOLT.

NOTE: AT THE POINT WHERE PRECAST CONCRETE PANELS COME IN CONTACT WITH PILING AN PROTECTIVE COATING TO THE PILING SHALL BE APPLIED.

NOTE: WHEN USED WITH 40' SPAN BRIDGE CHANGE TO 3'-6".

GENERAL NOTES

SPECIFICATIONS:
ASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES
ASHTO STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS
AMERICAN SOCIETY FOR TESTING AND MATERIALS

CONCRETE:
CONCRETE SHALL CONFORM TO ASHTO CLASS AE WITH A MINIMAL 28 DAY BREAKING STRENGTH OF 3000 PSI. ALL EXPOSED CORNERS SHALL BE ROUNDED TO A 1/4" RADIUS UNLESS OTHERWISE NOTED.

REINFORCING:
ALL REINFORCING STEEL SHOULD BE ACCURATELY LOCATED IN THE FORMS AND FIRMLY HELD IN PLACE. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF THE APPROPRIATE SECTION OF ASHTO M31, ASHTO M32, ASHTO M221 OR ASHTO M225.
REINFORCING DIMENSIONS ARE TO THE 6" S OF BARS UNLESS OTHERWISE NOTED.
THE ABOVE STEEL WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED AS SUBSIDIARY TO THE ITEM OF PRECAST CONCRETE ABUTMENT PANELS.

HARDWARE:
ALL MACHINE BOLTS CONNECTING CONCRETE ABUTMENT PANELS TO PILING SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
ALL BOLTS SHALL CONFORM TO ASTM A-307 AND BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

BID ITEMS:
PRECAST CONCRETE ABUTMENT PANELS, TYPE _____ - EACH.
PRECAST CONCRETE WING PANELS TYPE _____ - EACH.
PRECAST CONCRETE ABUTMENT WING CAP PANELS - EACH.
WIRE ROPE ABUTMENT ANCHOR ASSEMBLY - PER EACH.

DESIGN DATA:
fc = 12000 PSI; fs = 24,000 PSI; N = 10

NOTE: IN CASTING PANELS (ABUTMENT, WING, WING CAP), WIRE MESH CONFORMING TO THE REQUIREMENTS OF ASHTO M221 OR ASHTO M225 MAY BE USED IN LIEU OF THE REINFORCEMENT SHOWN. TWO LAYERS OF MESH SHALL BE USED IN EACH PANEL AND BE LOCATED WITH 1" CLEAR OF THE SIDE OF THE PANEL. THE WIRE CONFIGURATION MUST BE SUCH THAT A MINIMUM STEEL AREA OF .30 SQ. IN. PER FOOT IN THE LINE WIRE DIRECTION AND .20 SQ. IN. PER FOOT IN THE CROSS WIRE DIRECTION IS ACQUIRED.

NOTE: PANELS OF DIFFERENT HEIGHTS THAN THOSE SHOWN MAY BE CAST. STEEL REQUIREMENTS AND CLEARANCES SHOWN HEREON MUST BE MAINTAINED.

NOTE: FACE OF PANELS SHALL BE PERMANENTLY MARKED BY FABRICATOR FOR ERECTION.

NOTE: HORIZONTAL JOINTS BETWEEN PRECAST CONCRETE PANELS SHALL BE GROUDED OR FILTER FABRIC PLACED BETWEEN FILL AND JOINTS.

NOTE: CABLE SHALL NOT BE TENSIONED UNTIL BACKFILL IS PLACED AND SPAN IS SET. IF NECESSARY TRENCHES SHALL BE DIG IN FILL TO TENSION CABLE.

NOTE: THE CONTRACTOR SHALL HAVE THE OPTION OF ATTACHING THE TURNOCKLE DIRECTLY TO THE U-BOLT ON THE ANCHOR PILE.

NOTE: 1" Ø HOLES CAST INTO PANELS.

NOTE: TYPICAL INSTALLATION OF B-2, B-3, B-4 & B-5 BARS

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PRECAST CONCRETE ABUTMENT PANELS
 FOR USE WITH 24', 34' & 40'
 PRECAST CONCRETE SPANS
 28'-0" CLEAR ROADWAY AND STEEL PILING

DATE: 7/18/03
 STANDARD DWG. NO. PCP-2800
 SHEET NO. 1 OF 1