



WELDED OR SEAMLESS STEEL PIPE CAST-IN-PLACE PILE

Notes:

All concrete for cast-in-place piles shall be Class B-1.

The minimum wall thickness of any spot or local area of any type shall not be more than 12.5% under the specified nominal wall thickness.

Closure plates shall be required for tips of pipe piles and shall not project beyond the outside diameter of the pipe piles. Satisfactory weldments may be made by beveling tip ends of pipe or by use of inside backing rings. In either case, proper gaps shall be used to obtain weld penetration full thickness of pipe. Payment for furnishing and installing closure plates will be considered completely covered by the contract unit price for Cast-in-Place Concrete Piles.

Splice details for cast-in-place concrete piles shall be in accordance with the manufacturer's recommendations.

All splices of shells for cast-in-place concrete piles shall be made watertight and to the full strength of the shell above and below the splice to permit hard driving without damage. All shells damaged during driving shall be replaced without cost to the State. Shell sections used for splicing shall be at least 5'-0" in length. The splice at the tapered section shall be at least 3'-0" below the streambed for intermediate trestle type bents.

Standard Drawing Guidance (do not show on plans):

Do not use this sheet for CIP in seismic A areas. Instead reference Standard Plan 702.02 in foundation data table.

① Replace:
 * with either 14", 16", 20" or 24" per design.
 ** Use STD 702.02 thickness or thickness required by seismic design.
 (Use 1/2" for 20" and 24" CIP piles)

Remove 2 or if pile is designed with Grade 3 steel.

DETAILS OF CAST-IN-PLACE PILE

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 3/4/2014	
ROUTE *	STATE MO
DISTRICT BR	SHEET NO. *
COUNTY *	
JOB NO. *	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. PIL01	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.