Galvanized Open Ended Cast-In-Place (OECIP) Concrete Pile

Min. L1 = 5'-3" for 14" OECIP & 7'-3" for 20" OECIP

Min. Lower Stirrup Bars = 5-#4 for 14" OECIP, 7-#4 for 20" OECIP

Min. Vertical Bars = 6-#6 for 14" OECIP, 8-#6 for 16" OECIP & 12-#6 for 24" OECIP

For LFD seismic performance category (SPC) A and LRFD seismic design categories (DD), modify reinforcement as needed to meet AASHTO LRFD Bridge Design (SGS). For SPC B, C and D, modify reinforcement as needed to meet AASHTO 17th edition (LFD) and for SDC B, C, and D, modify reinforcement as needed to meet AASHTO Guide Specification for LRFD Seismic Bridge Design (2015).

For hard driving conditions consider ASTM A612 (grade 90-60). In driving shoe is not used, this note may be removed.

Use appropriate note based on seismic category (See EPG 751.36.2.2.2 for 5/8"").

These details of bar array 6, 8 and 12 counts can be used to replace in bent section 1 or bent section 2. Detail of SEISMIC STIRRUP BAR by using centroid as the handle.

Concrete for non-structural pile will be Class B-1 except for pile core. For pile core concrete shall be Class B-1 in accordance with AASHTO guide specification for LRFD Seismic Bridge Design.

Pipe damaged during driving shall be replaced without cost to the state. Pipe sections used for splicing shall be at least 5 feet in length. Welded or seamless steel shell (pipe) shall be ASTM A252 Type 1, Schedule 40 or higher. Concrete for cast-in-place pile shall be Class B-1.

Welded or seamless steel casting shall be ASTM A424 Grade 60 except for open ended pile point reinforcement.

Concrete shall be placed in full accordance with the pile manufacturer's specifications. All reinforcement for cast-in-place pile is included in the price. Reinforcing steel for cast-in-place pile is included in the price. #-12 not included for ASTM A 36. Nominal wall thickness shall not be less than the minimum wall thickness.

Open ended pile shall be augered out to the minimum pile penetration. Welded or seamless steel casting shall be ASTM A424 Grade 60 except for open ended pile point reinforcement.

Concrete for cast-in-place pile shall be placed in full accordance with the pile manufacturer's specifications.

Welded or seamless steel shell (pipe) shall be ASTM A252 Type 1, Schedule 40 or higher. Concrete for cast-in-place pile shall be Class B-1.

Welded or seamless steel casting shall be ASTM A424 Grade 60 except for open ended pile point reinforcement. Concrete for cast-in-place pile shall be Class B-1. Open ended cutting shoe pile point reinforcement shall be ASTM A612 Grade 90-60.