

625.2.3 - Installation Plan: The Contractor shall submit an Installation Plan for review by the Engineer. This plan shall provide information on the following:

- a) Name and experience record of the drilled caisson superintendent in charge of drilled caisson operations for this project.
- b) List of proposed equipment to be used on the project, including barges, cranes, templates, drill rigs, drills, augers, bailing buckets, final cleaning equipment, slurry desanding equipment, slurry pumps, core sampling equipment, welding equipment, tremie or concrete pumps, casing, etc.
- c) Details of overall construction operation sequence and the sequence of caisson construction in the piers and/or the abutments; taking due care not to damage fresh concrete by drilling in the immediate vicinity too quickly.
- d) Method for maintaining drilled caisson position and alignment during excavation, and details and sequencing of caisson excavation.
- e) Details of casing and splices to be used, including calculations (signed and stamped by a Professional Engineer knowledgeable in drilled caissons) showing ability of casing to withstand anticipated hydraulic and earth pressures and to withstand stresses due to installation without undue deformation. Description for withdrawal of casings to demonstrate that concrete will not be lifted during withdrawal.
- f) When the use of slurry is anticipated, details of the methods to mix, circulate, and desand slurry. Any request to use a slurry displacement method for the construction of caissons shall also provide information for the Engineer's approval as follows:
 1. Detailed description of proposed construction method.
 2. Concrete mix, as modified for use with the slurry displacement method.
 3. Components and proportions in proposed slurry mixture.
 4. Tests proving slurry mixture will not degrade rock or interfere with bond.
 5. Methods to agitate slurry mixture prior to concrete placement.
 6. Methods to clean slurry mixture for re-use.
 7. Disposal methods for used slurry.