

Cast-In-Steel-Shell Concrete Piling – Measurement and Payment

1 - Measurement

Cast-In-Steel-Shell (CISS) concrete piling that fails to reach tip elevations shown on the plans, but has been determined to be adequate and approved by the Bridge Design Structure Project Engineer and Geotechnical Services Geoprofessional, is measured along the longest side, from the tip elevation shown on the plans to the plane of cut-off elevation.

2 - Payment

Refer to [BCM 49-2](#), *Piling – Driven Piling*, prior to making payment for CISS concrete piling.

2.1 Materials on Hand

When the contract special provisions qualify the material for materials on hand and it does not meet the requirements for “furnishing”, payment may be made as materials on hand at the Contractor’s request.

Steel shells and bar reinforcing steel used for CISS concrete piling are typically eligible for payment under materials on hand, but not yet incorporated in the work.

Specific instructions for materials on hand payment can be found in the *Construction Manual*, [Section 3-906E](#), *Materials on Hand*.

2.2 Furnish and Drive Piling Contract Item Payment

Pay close attention to the breakdown of *furnish* and *driving* contract item payment for CISS concrete piling. While portions of piling, such as steel shells for CISS concrete piling, can be paid as materials on hand, they are not complete piling and cannot be paid under the *furnishing* contract item. When the steel shells for CISS concrete piles have been driven and the concrete and reinforcing steel have been placed to provide a complete pile, the contract item for *furnishing* may be paid.

Note the concrete filling material for CISS concrete piling is paid under the *furnishing* item while the placement of said material is paid under the *driving* item. This is particularly important when making item adjustments.