Volume II

STEEL H-PILE LUGS

Pile lugs are welded onto steel H-piles prior to driving. The lug increases the friction resistance of the pile so that the bearing is achieved with a shorter pile. Welding of steel pilings, including attachment of lugs, must conform to Standard Specifications1 (SS). The detail for a pile lug is shown in Attachment No. 1.

When recommended by Geotechnical Services, the pile lug detail will be shown on the plans. Review the special provisions for measurement and payment. Lugs that are shown on the plans are paid as furnishing piling per the SS.

When lugs are not shown on the plans, and when the piles are driving longer than anticipated, immediately contact Geotechnical Services. An option to the use of lugs is to let the piles set up and to re-drive (and check bearing) a day or two later.

The Contractor may request lugs or the Engineer may order lugs. Savings from reducing the length of the pile must be compared with the cost for furnishing, welding and performing welding quality control on the lugs. Lugs might not be economical when there is no other welding on the job.

Lugs installed at the direction of the Engineer are paid for as change order work as stated in the SS2.

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1SS 2010, Section 11 or SP 2006, Section 8-3.
2SS 2010, Section 49-2.01C(1) or SS 2006, Section 49-6.02.
4'-0" or as directed by the Engineer

SECTION A-A

PILE LUG