

**LC500404 SOLDIER PILES AND LAGGING (LCDOT)** For use on LCDOT let projects only - do not include in IDOT let projects. Delete this note from the Contract Specifications.

Effective: August 1, 2011

Revised: May 20, 2014

**Description:** This work shall consist of constructing retaining walls consisting of steel soldier piles and precast concrete lagging at the locations shown on the plans.

**Materials:** The steel soldier piles shall meet the requirements of ASTM A36 and the details shown on the plans.

The concrete lagging shall meet the requirements of the applicable portions of Article 504.02 [precast concrete structures], Section 1020 [portland cement concrete] of the "Standard Specifications" and the following:

*Class PC concrete shall be used to cast the lagging.*

*The front face of the lagging shall be textured by using a form liner. Form liner suppliers and patterns approved by the Lake County Division of Transportation are listed in the specification for FORM LINER TEXTURED SURFACE included herein.*

*The front face of the lagging and the top of the top row lagging shall be stained according to the special provision for STAINING CONCRETE STRUCTURES included herein.*

*The reinforcement bars shall be limited to epoxy coated reinforcement bars according to Article 1006.10(a)(2) of the "Standard Specifications".*

**General:** The work shall meet the requirements of the details shown on the plans.

*A protective coat shall be applied to all exposed concrete surfaces according to the specification for PROTECTIVE COAT included herein.*

**Method of Measurement:** Soldier Piles and Lagging will be measured for payment in place and the area computed in square feet. The measured area will include the lagging that will be installed above grade and below grade.

**Basis of Payment:** This work will be paid for at the contract unit price per square foot for SOLDIER PILES AND LAGGING. *The unit price shall include furnishing all labor, equipment, and materials required to construct concrete foundations, soldier piles, and lagging. The textured finish on the lagging will be paid for as FORM LINER TEXTURED SURFACE according to the specification included herein. The applied stain will be paid for as CONCRETE STAIN according to the specification included herein. The protective coat applied to the exposed concrete surfaces will be paid for as PROTECTIVE COAT according to the specification included herein.*