

**ITEM 0135101**

**REMOVABLE STEEL BOLLARD**

**DESCRIPTION**

This item shall include furnishing and installing removable locking bollard(s) and one padlock for each bollard in the location(s) as shown on the plans or as ordered by the Engineer.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Five (5) sets of detailed shop drawings will be submitted for approval at least 30 days in advance of proposed installation date. See supplementary general conditions for more information.

**MATERIALS**

Removable locking bollards shall be constructed of heavy gauge 3 1/2" x 3 1/2" x 42" hot-dipped galvanized steel as manufactured by Rediweld Rubber and Plastics Limited, 6/9 Newman Lane, Alton Hampshire, GU34 2QR UK, Tel. # 01420 543007 or approved equal.

Padlock shall be 1 1/8" wide body, steel laminated lock No. 7KALF, keyed alike, or approved equal

Bollards are to be painted with one primer coat, and two finish coats of a latex-rust-inhibitor paint color to be determined by the Engineer. Bollards shall include 2 orange reflectors, separate padlock with 5 keyed sets of keys , and grab handles.

Concrete for foundation shall conform to Class "A" and shall meet the requirements of Article M.03.01 of The State of Connecticut, Department of Transportation, Standard Specification for Roads, Bridges, and Incidental Construction, Form 816, 2004.

**CONSTRUCTION METHODS**

**1. INSTALLATION**

Installation of removable locking bollards shall be in conformance with the manufacturer's recommendations and as per the approved shop drawings. Concrete foundations used to anchor bollards shall be a minimum 42" below grade.

**2. LAWN REPAIR**

Any damage to the lawn areas as a result of the installation of bollards shall be repaired by the Contractor to the satisfaction of the Engineer. This repair cost shall be included in the cost of this item.

**METHOD OF MEASUREMENT**

Furnishing and installing removable locking bollards, complete as specified, will be measured for payment by the number of each removable locking bollard installed and accepted.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price for each "REMOVABLE STEEL BOLLARD" complete, in place, including locks, concrete foundation, as shown, or directed. Said price is to include all labor, materials, and incidental expense.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0135101	Removable Steel Bollard	EA