

**SECTION 10.03
LIGHT STANDARDS**

10.03.01--Description: This item shall consist of furnishing and installing light standards of the type specified with removable transformer bases, brackets, dampers, grounding wire and connections, complete in place, at the locations and to the dimensions and details shown on the plans or as directed by the Engineer. It shall also include furnishing and installing light standards of the type specified with anchor bases, brackets, elastomeric leveling pads, handholes and covers, complete in place, at bridge or structure locations, and to the dimensions and details shown on the plans or as directed by the Engineer.

10.03.02--Materials: The materials for this work shall conform to the following requirements:

Light standard (aluminum), shall conform to the requirements of Article M.15.04.

10.03.03--Construction Methods: Light standards shall be fastened securely to the anchor bolts in the concrete light standard foundation, bridge, or structure. Light standards mounted on any bridge or structure shall have a vibration isolation pad installed between the pole base and the structure with four reinforced elastomeric washers installed on the top side of the base, between two standard galvanized flat washers. The completely assembled light standard shall be erected plumb with the aid of aluminum shims, if necessary. The mounting height shall be as called for on the plans, measured from the center of the light source to the pavement directly below. Brackets shall be erected with the bracket placed perpendicular to the centerline of the roadway.

The top of the shaft shall be drilled to accept three self tapping screws. Pole caps shall be attached securely with three stainless steel set screws.

Each light standard shall be effectively grounded with #8 AWG ground wire attached to the light standard by an approved aluminum to copper lug and a stainless steel bolt, run to the ground rod, and connected with a square head bolt clamp.

Light standards shall be numbered with strip tags. These tags shall be reflective and not less than 35 mm by 50 mm. The tags shall be located 2.5 m above the roadway on the road side of the light standard. In locations where light standards are mounted in the median, tags shall be located on both road sides. The town number will be the top number and the pole number will be the bottom number.

10.03.04--Method of Measurement: This work will be measured for payment by the number of light standards of the type specified, complete and accepted in place.

10.03.05--Basis of Payment: This work will be paid or at the Contract unit price each for "Light Standard" of the type specified, complete in place, which price shall include all materials, including dampers, shaft, brackets, transformer bases, washers, nuts, bolts, bolt covers, ground wire, strip tags, connections, elastomeric leveling pads, and all equipment, tools, labor incidental thereto, including pole certification and field-checking bolt circle diameters.

Pay Item	Pay Unit
Light Standard (Type-Size-Kind)	EA.