

# Special Specification 6026

## Traffic Signal Pole Installation




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### 1. DESCRIPTION

Collect, transport, and install traffic signal pole structures provided by the Department.

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### 2. MATERIALS

Collect traffic signal pole structures from Department location as shown on the plans. Install traffic signal pole structures supplied by the Department as shown on the plans or as directed. Traffic signal pole structure supplied by the Department consists of traffic signal pole, mast arms, luminaire arms, anchor bolts, nuts, washers and templates.

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### 3. INSTALLATION

Prior to installation ensure that the pole will not violate any utility aerial easements in any position or during transition to any position.

Install the pole ensuring that it does not come within 10 ft. of any power lines in any position or during transition to any position.

Locate traffic signal poles as shown on the plans unless otherwise directed to secure a more desirable location or to avoid conflict with utilities. Stake the traffic signal pole locations for verification by the Engineer.

Construct foundations in accordance with Item 416, "Drilled Shaft Foundations." Orient anchor bolts as shown on the plans.

Use established industry and utility safety practices when working near underground or overhead utilities. Consult with the appropriate utility company before beginning such work.

Erect structures after foundation concrete has attained its design strength as required in the plans and Item 421, "Hydraulic Cement Concrete." Coat anchor bolt threads and tighten anchor bolts in accordance with Item 449, "Anchor Bolts."

After the traffic signal pole assembly is plumb and all nuts are tight, tack-weld each anchor bolt nut in 2 places to its washer. Tack-weld each washer to the base plate in 2 places. Do not weld components to the bolt. Tack-weld in accordance with Item 441, "Steel Structures." After tack-welding, repair galvanizing damage on bolts, nuts, and washers in accordance with Section 445.3.5., "Repairs."

Do not grout between the base plate and the foundation.

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### 4. MEASUREMENT

This Item will be measured as each unit complete in place, excluding foundations.

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### 5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided for under "Measurement" will be paid for at the unit price bid for "Traffic Signal Pole Installation" of the type and size specified. This price is full compensation for assembling, and erecting the pole upon a foundation;

erecting required mast arms and luminaire arms; placing anchor bolts, nuts, washers, and templates; and equipment, materials, labor, tools, and incidentals.

Foundations will be paid for under Item 416, "Drilled Shaft Foundations."