

FIBER OPTIC CABLE ROUTE MARKER

****From Waterbury IM 089-2(43)(Re-advertised)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing above ground cable route marker (CRM) posts in line-of-sight, route transitions, and handhole locations along a fiber optic cable route.
- xx. GENERAL REQUIREMENTS. CRM shall not to be placed on top of the fiber optic infrastructure, but be offset from the running line by between 18 to 24 inches.

The work requires the installation of a 1¼ inch painted square steel sign post. The CRM mounts over the sign post and is attached by fixtures supplied by the CRM manufacturer and installed in accordance with the manufacturer's instructions. CRM required to be installed at all handhole locations, at a clear line-of-sight or at every 1500 foot interval each side of bridge crossings, directional drills, rivers, roadways, railroads, highway transitions, etc.

- xx. MATERIALS. The Contractor is required to submit material specification sheets for all materials used for approval by the Engineer.

Materials shall include all components necessary to make one complete CRM. Each CRM will be supplied with the square steel sign post, the marker body and information decal, and the hardware for attaching the CRM to the sign post.

The CRM shall meet the following requirements:

- (a) The marker shall be a minimum 3.5 inches in outer diameter, with a 3.8 inch outer diameter legend, and a minimum 6 feet in height.
 - (b) The body of the CRM shall be white in color.
 - (c) The marker legend shall conform to the design specified in the Plans. The marker legend shall have an orange background.
 - (d) The marker shall maintain complete dimensional stability from -40°C (-40°F) to +80°C (175°F).
- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Fiber Optic Cable Route Marker) to be measured for payment will be each CRM installed in the complete and accepted work.
 - xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Fiber Optic Cable Route Marker) will be paid for at the Contract unit price per each. Payment will be full compensation for performing the work specified and for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Fiber Optic Cable Route Marker)	Each