

# Special Specification 6155

## Radar Detector and Communication Cable



### 1. DESCRIPTION

Install radar detector and communication cable at existing or new traffic signal location(s) as shown on the plans.

### 2. MATERIALS

Unless otherwise noted on the plans, materials are to be furnished to the Contractor at no charge. Pick up materials at location(s) shown on plans.

Submit a material list for required materials to the Engineer. Designate in writing, person(s) authorized to pick up material at location(s) shown on plans.

Assume responsibility for all materials furnished by the Department or City. Use materials furnished by the Department or City for this Contract only.

Upon completion of the work and prior to final payment, return any unused or removed material deemed salvageable by the Engineer to the Department or City.

### 3. EQUIPMENT AND LABOR

Furnish all equipment and labor necessary to install the materials. This will include, but not be limited to an aerial device capable of installing radar detector, tools and incidentals necessary to complete the work.

If, at any time, the Contractor's equipment is determined to be defective to the point that it may affect the quality of work, that equipment must be repaired or replaced immediately.

### 4. SCOPE OF WORK

Install and make operational radar detector(s) as shown on plans or as directed. A radar detector includes the radar detector, mounting hardware, and other interface equipment. Aim radar detector as shown on plans and as directed by Engineer.

Install radar detector interface equipment in the controller cabinet as shown on plans.

Install radar communication cable as shown on plans. Leave 5 ft. coiled inside the nearest ground box or controller cabinet as applicable. Identify each cable as shown on the plans (i.e. RS1, etc.) with permanent marking labels at each ground box, pole base, and controller cabinet. Cable must be installed as a continuous home-run cable with no splices allowed between the radar unit and the controller cabinet unless approved by the Engineer. Cable end connectors will be furnished by the Department or City.

Remove existing loop lead-in or video detection cables from existing signals.

Department or City personnel will be present to test and confirm the operation of the supplied radar equipment. The performance period will be in accordance with Item 680, "Highway Traffic Signals."

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**5. MEASUREMENT**

Radar detector will be measured by the each.

Radar communication cable will be measured by the foot.

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**6. PAYMENT**

The work performed in accordance with this item and measured as provided under "Measurement" will be paid for at the unit price bid for "Radar Detector" or "Radar Communication Cable." This price is full compensation for picking up and delivering the radar equipment and cable from the Department or City, installing material; and equipment, labor, tools and incidentals. Removal of existing loop lead-in or video detection cables from existing signals will not be paid for separately and will be considered subsidiary to the installation of the radar communication cable.