

# Special Specification 6045

## Radar Advance Detection Devices (Installation Only)



### 1. DESCRIPTION

Install Radar Advance Detection Devices (RADD) provided by the Department as shown on the plans.

### 2. MATERIALS

Pick up RADD units at times and locations shown on plans.

Designate in writing, persons authorized to pick up RADD units.

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

### 3. EQUIPMENT AND LABOR

Furnish all equipment and labor necessary to install the RADD units. This will include, but not limited to an aerial device capable of reaching RADD equipment, tools, and incidentals necessary to complete the work. If at any time equipment is determined defective to the point it may affect the quality of work, return the equipment to the Department immediately to be repaired or replaced.

### 4. CONSTRUCTION

Mount RADD units so that no two devices are pointed directly at each other unless they are separated by more than 700 ft. Install RADD units so that no two units are placed within 20 ft. of one other unless each unit is configured to operate on a different RF channel using the installation software.

4.1. **Mounting Assembly** Mount the RADD unit directly onto a mounting assembly fastened to a pole, overhead mast-arm or other solid structure approved by the Engineer.

4.2. **Communication Cable.** Install the RADD cable, in a continuous run, from the camera to the traffic signal controller. Leave 5 ft. coiled inside controller cabinet. Identify cable runs on each end of the cable and at hand hole with a different color tape for each run.

### 5. MEASUREMENT

This Item will be measured as each Radar Advanced Detection Device (RADD) installed and connected.

### 6. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for under the unit bid price for "Radar Advance Detection Devices (Installation Only)." This is full price for installing, and establishing a connection to each RADD. Any tools or incidentals needed to accomplish this will not be paid for separately, but will be considered subsidiary to this bid item.