

# Special Specification 6137

## Intelligent Transportation System (ITS) Equipment



### 1. DESCRIPTION

Transport, install, test, and make fully operational a Department furnished Video Encoder (VE), Video Decoder (VD), Terminal Server (TS) and Field Ethernet Switch (FES) at designated locations as shown on the plans.

### 2. MATERIALS

Provide all materials not supplied by the Department necessary for the installation of VE, VD, TS and FES. All materials provided by the Contractor must be new. Notify the Department at least 90 days in advance of when these devices will be needed. The equipment must be picked up at TransVista. Equipment must be installed in the locations shown on the plans.

Provide all necessary materials including, but not limited to Ethernet CAT 5e cables, fiber optic patch cords, coaxial cables, 19 in. rack mountable shelves, screws, nuts and locking washers.

Provide parts made of corrosion resistant material, such as plastic, stainless steel, anodized aluminum or brass. Protect materials from fungus growth and moisture deterioration. Separate dissimilar metals by an inert dielectric material.

### 3. CONSTRUCTION

- 3.1. **Installation.** Provide equipment that utilizes the latest available techniques for design and construction with a minimum number of parts, subassemblies, and modules to maximize standardization and commonality.
- 3.2. **System Configuration.** Configure and fully integrate the equipment provided by the Department to the TransVista Traffic Management Center as shown on the plans.
- 3.3. **Testing.** Perform testing in accordance with, Special Specification 6005, "Testing, Training, Documentation, Final Acceptance, and Warranty."

### 4. MEASUREMENT

This Item will be measured as each VE, VD, TS, and FES system installed, fully integrated and tested.

### 5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Installation of VE," "Installation of VD," "Installation of TS," and "Installation of FES." This price shall be full compensation for all equipment described under this item, all cables and connectors, all documentation and testing and furnishing all labor, and equipment necessary to complete the work.