ITEM 04680.9317 M - RELOCATION AND INSTALLATION OF DIAMOND ELECTRONICS
CCTV ASSEMBLIES

DESCRIPTION
Under this item the Contractor shall relocate CCTV central equipment from the existing Hub Site to the Traffic Operations Center. The Contractor shall provide cables and connections so that the equipment works as it did at its original location.

MATERIALS
The following items, along with their cables, mounting hardware, and related devices, are to be installed in the Traffic Operations Center Equipment Room:

- Video Switcher
- Central Control Unit with Keyboard
- Video Multiplexer for VCR
- VCR (currently connected to video multiplexer)
- Dial-up telephone modems
- RWIS computer

The Contractor shall connect the switcher and control unit to the appropriate fiber optic modems in Cabinet C, providing cables and connectors as required.

The following items are to be installed on the NYSDOT operator’s desk in the Traffic Operations Center Operations Room:

- Video Monitor
- Camera System Control Panel with Joy Stick
- Screen splitter
- VCR

Provide six new coaxial cables to link the screen splitter and VCR to the video switch. These cables must have bandwidths of at least 10 MHz. Provide a cable recommended by the control panel manufacturer to connect the control panel to the control unit in the Equipment Room.

CONSTRUCTION DETAILS
The equipment to be removed is currently an active system and cannot be relocated until the fiber optic cable plant and other work has been completed to make the relocated equipment operational at the Traffic Operations Center.

The equipment relocation cannot be accomplished during the winter months, which is defined as November 1 to April 1. The Contractor shall have the Engineer’s approval before beginning this item of work.

The Contractor shall verify the operational state and condition of the equipment prior to removal. The Contractor shall provide the Engineer with a written inventory of the equipment to be
removed, relocated, operational status and condition.

All equipment to be removed shall be packaged so to prevent damage during the relocation.

All incidental parts which are necessary to complete the installation, but are not specified herein or on the Plans, shall be provided as necessary to provide a complete and properly operating system.

In the existing system, one video output of the switcher is connected to the video input of a video capture card in an RWIS computer. The Contractor shall make the corresponding connection to the new RWIS video archive computer in the Traffic Operations Center. The Contractor shall also connect one of the serial ports of the existing, relocated RWIS computer to the new RWIS computer.

Testing shall be as specified in these Contract documents.

**METHOD OF MEASUREMENT**

The Relocation and Installation of Diamond Electric CCTV Assemblies will be measured on a lump sum basis for payment for relocation and installation of the complete system and made fully operational.

**BASIS OF PAYMENT**

The lump sum bid price for the Relocation and Installation of Diamond Electric CCTV Assemblies shall include the cost of furnishing all labor, materials, tools and equipment necessary to complete the work.

Testing will be paid under a separate bid item.

Progress payment will be made as follows:

Fifty percent (50%) of the bid price will be paid when the relocated equipment is installed and all required connections to provide a stand alone system are completed at Region 4 Headquarters; Forty percent (40%) will be paid upon successful completion of the system acceptance test, and ten percent (10%) upon Final Acceptance.