ITEM 683.7103  11 – VIDEO SECURITY SYSTEM INTEGRATION

DESCRIPTION
This work shall consist of installing and integrating the various components of a VIDEO SECURITY SYSTEM in accordance with the contract documents and as directed by the Engineer.

MATERIALS
None

CONSTRUCTION DETAILS
All apparatus and equipment comprising the video security system, including, but not limited to, video security cameras, cabling, digital video recorders (DVR), integrated devices, field hardware, and other apparatus required to provide a complete functioning system, shall be assembled under the direction and supervision of the Engineer and the qualified person responsible for installing and integrating the system, the System Integrator.

The System Integrator shall have experience in providing video security systems. Such experience shall be demonstrated by identifying a minimum of three (3) projects for which the System Integrator has provided complete systems, within the past five (5) years.

The System Integrator shall assume complete system responsibility for the integrated functioning of all components to provide a satisfactory assembled system operating in accordance with specified requirements. The System Integrator shall be responsible for the detailed schematics and fabrication of the total control system to ensure compatibility of equipment and suitability for the intended system functioning. The System Integrator shall provide supervisory assistance in the installation of equipment to ensure maximum reliability and ease of maintenance.

The System Integrator shall provide a field service staff having the capability of providing services for field coordination of construction and final adjustments to the video security system.

The Contractor shall provide written certification of compliance with specified requirements for the System Integrator. This certification shall be included in the bid documents and shall be subject to approval by the New York State Department of Transportation.

GENERAL REQUIREMENTS:

1. Install system components and appurtenances in accordance with the printed instructions and as shown on drawings.
2. Provide all necessary interconnections, services and adjustments required for a complete and operable system.
3. Install control signal, communications, and data transmission line grounding as necessary to preclude ground loops, noise, and surges from adversely affecting system operation.
FIELD QUALITY CONTROL:

1. Testing:
   a. Supply a proposed acceptance test procedure.
   b. Testing of system shall be the sole responsibility of the Contractor.
   c. Video security system tests:
      i. Video security cameras to DVR
      ii. Remote dial-up support.

2. Inspection:
   a. Provide an on-site, factory-trained technician to assist, advise or manage installing personnel.
   b. All final connections shall be made under the direct supervision of the Systems Integrator.

ON-SITE COMMISSIONING AND TRAINING:

1. The installing company shall provide direct participation in the on-site commissioning activity of new systems. Not less than 24 hours of on-site training shall be provided for a maximum of 10 representatives of Owner.
2. Provide systems administrator that is factory trained with the expertise on installing, configuring and commissioning the system to the customer’s specific requirements; and to provide on-site training on system operation and administration.
3. On-site representative shall be available for system administrators, operators and other qualified personnel.
4. On-site commissioning shall include:
   a. Hardware setup and testing.
   b. Preventative maintenance and troubleshooting training.
   c. End-user training.

METHOD OF MEASUREMENT
This work will be measured on a lump sum basis.

BASIS OF PAYMENT
The lump sum price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work. All video security system components including the DVRs, Security Cameras, and Video Security System Electrical Appurtenances will be paid for separately.