Special Specification 6417
System Integration

1. DESCRIPTION

Integrate all furnished equipment and software as shown on the plans, as detailed in this Special Specification, and as directed. This work consists of furnishing, installing, testing, and integrating of all traffic management hardware and software into the existing TransVista system and TransVista traffic management center (TMC). The Contractor must select, install and integrate the equipment and software as required to achieve a complete and fully operational traffic management system (TMS) as shown on the plans, as detailed in this Special Specification, and as directed.

2. WORK METHODS

2.1. System Equipment and Installation.

Provide, install, interconnect, test, integrate and make fully operational all the equipment and system in accordance with the National Electrical Code (NEC).

2.2. System Integration.

Provide an integrated system that encompasses the following:

- integration of proposed CCTV’s, DMS, Wrong Way Driver Detection System and peripherals;
- integration of proposed and existing fiber optic cable supporting ITS field equipment; and
- integration of all components into the Department TMC.

Perform all necessary work to achieve a fully functional and operational system including all fiber optic re-routing, terminations, connections, splicing and re-assignments. Install and integrate all field, central and communications components.

2.3. Testing, Training, Documentation, Final Acceptance and Warranty.

All testing, training, documentation, final acceptance and warranty requirements must be in accordance with Special Specification 6005, “Testing, Training, Documentation, Final Acceptance and Warranty.”

3. MEASUREMENT

The complete “System Integration” designed and installed as detailed on the plans and described on the specifications will be measured as a lump sum unit.

4. 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 “System Integration.” This price is full compensation for the preparation, furnishing, and installing all materials, equipment and incidentals necessary to provide an integrated system as directed by the Engineer. Items not specifically mentioned or addressed in this specification necessary for a complete and operational system as described will be provided by the Contractor and will not be paid for directly but is considered incidental to this Item.