

Special Specification 6136

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) and City of El Paso 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.

All equipment is to be installed by the Contractor, who, must also interconnect, test, integrate and make fully operational all the equipment and system in accordance with the National Electrical Code (NEC).

2.2. System Integration.

The Contractor must provide an integrated system that encompasses the following:

- integration of proposed CCTV's, DMS and RVSD;
- integration of existing Hub Cabinets and proposed fiber optic cable CCTV; and
- integration of all components into the TransVista TMC.

The Contractor is responsible for performing all necessary work to achieve a fully functional and operational system including all fiber optic re-routing, terminations, connections, splicing and re-assignments. The Contractor must provide, install and make operational a complete and functional system. The Contractor must install and integrate all field, central and communications components. 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.

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 in the plans and described in 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.