

10-3. HUB EQUIPMENT

Hub equipment shall conform to all rules and regulations of the Federal Communications Commission (FCC) in addition to the provisions in Section 86, "Signals, Lighting and Electrical Systems," of the Standard Specifications and these special provisions.

Prototype equipment is not acceptable. All equipment shall be current standard production units and shall have been in use for a minimum of 6 months. Rebuilt or reconditioned equipment will not be allowed. All rack mounted equipment and card cage assemblies shall have metal filler plates to cover any unused channel slots or card slots.

The communication equipment shall include associated power supplies and interconnect cables.

The communication equipment shall be designed for testing, monitoring, and adjustment without service interruption.

Front access shall be provided for all routine adjustments normally required to be performed by field personnel.

The Contractor shall install hub equipment with the following equipment, associated cable connectors and other necessary components for a functional and fully integrated system:

- 1 - Fiber multiplexer and access unit (FMAU) - (State-furnished).
- 1 - Master traffic control unit (MTCU).
- 1 - Switch ethernet hub.
- 4 - Fiber optic data modems (FODM) with 1- Card cage assembly with power supply.
- 1 - Video and PTZ control data matrix switch system.
- 4 - Video encoder units (VEU).
- 2 - Fiber distribution units (FDU) - (described elsewhere in these special provisions).
- 2 - Fiber storage enclosures (FSE) - (described elsewhere in these special provisions).
- 19 - Video receiver duplex data (VRDD) units with 3 - Card cage assemblies with power supplies.
- 9 - Power strips.

The hub location is shown on the plans.