

# Special Provision to Special Specification 6007

## Intelligent Transportation System (ITS) Fiber Optic Cable



Special Specification 6007 "Intelligent Transportation System (ITS) Fiber Optic Cable," is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

**Section 3.2.3.1., "Cabinet,"** is voided and replaced by the following:

Furnish and install factory preterminated simplex connector patch panel modules with integrated pigtail cable in a protective housing at locations called for in the plans to accommodate the cables being terminated at that point. Furnish patch panel housing with an epoxy fill material that is environmentally and temperature stable to permanently secure the connectors and the cable inside the housing to protect the fiber optic components from vibration and shock. Provide housing with strain relief boot around the exiting pigtail cable to provide bend radius protection and short term retention of at least 200 lbf. Provide housing with integrated mounting notches. Provide patch panel with ST connectors and dust caps installed by the manufacturer. Document the designation of each connector on labels and charts. Place charts in the cabinet in a heavy plastic envelope approved by the Engineer.

**Section 5. "Measurement,"** is voided and replaced by the following:

Fiber optic cable installed, relocated, and removed will be measured by the linear foot. Fiber optic splice enclosures, rack mounted splice enclosures, fiber optic patch panels, preterminated fiber patch panels, fiber patch panel units, and fiber optic jumpers will be measured by each unit installed. Splicing of Fiber Optic Cables will be measured by each fusion splice performed.

**Section 6.1. "Furnish and Install,"** is voided and replaced by the following:

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 "Fiber Optic Cable" of the various types, and number of fibers specified. This price is full compensation for furnishing and installing all cable; for pulling through conduit or duct; aerial installation; terminating; testing; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Fiber Optic Splice Enclosure" of the various types. This price is full compensation for furnishing and installing all enclosures whether aerial or underground; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Rack Mounted Splice Enclosure." This price is full compensation for furnishing and installing all enclosures in the building as shown in the plans; for the splice housing with doors, splice trays, hardware, and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Fiber Optic Patch Panel" of the various types and sizes specified. This price is full compensation for furnishing and installing all patch panels with connector panel modules with factory pre-connectorized fiber pigtails, patch panel housing with doors, and terminating fibers on the panel as shown on the plans or as directed; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Preterminated Fiber Patch Panels" of the various types and sizes specified. This price is full

compensation for furnishing and installing in the cabinet all preterminated fiber patch panels with pre-connectorized fiber pigtails, and terminating fibers on the panel as shown on the plans or as directed; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Fiber Patch Panel Unit." This price is full compensation for furnishing and installing in the building the 7 ft. high 19 in. rack system with supports, rack end caps, inter-bay storage units, hardware; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Fiber Optic Fusion Splice" for each fusion splice shown on the plans or as directed and performed. This price is full compensation for splicing; testing; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

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 "Fiber Optic Jumpers." This price is full compensation for furnishing and installing the fiber optic jumpers with factory terminated connectors as shown on the plans or as directed; and for materials, equipment, labor, tools, documentation, warranty, training and incidentals.

Conduit will be paid for under Item 618, "Conduit" and Special Specification 6016, "ITS Multi-Duct Conduit."

Electrical conductors will be paid for under Item 620, "Electrical Conductors."