## ITEM 633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE

The Contractor shall furnish and install single mode fiber (SMF), small form factor pluggable (SFP) Gigabit Interface Converter (GBIC) modules at locations as shown on the plans.

The GBIC transceiver shall be 1000BASE LX/lh SFP-LC Transceiver (CISCO part #GLC-Lx-SM-rgd).

The contractor shall Install the SFP module in the Ethernet switch slot and CONFIGURE AS NECESSARY.

The Contractor shall be responsible for providing a complete, functional system including all necessary cables and connectors in accordance to the specifications and as specified on the plans. All miscellaneous patch and interconnect cables shall meet the proposed equipment specification requirements and shall meet EIA/TIA telecommunications standards.

The work as described will be measured as one unit for each of the installations specified, and shall include all materials, equipment and incidentals, complete in place. patch cables, Terminations, connections, and other miscellaneous items and materials shall be considered incidental to this work and no separate payment will be made. 12/2/15