



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES. PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

August 12, 2009

Addendum No. 1

RE: Contract ID: C202130

WBS# 41502.3.ST1

F.A. # STM-0414(4)

Wayne County (U-5016)

City of Goldsboro Computerized Traffic Signal System

August 18, 2009 Letting

To Whom It May Concern:

Reference is made to the proposal recently furnished to you on this project.

The following revisions have been made to the proposal:

On Page No. 256, Section 31.2.B "Network Performance Management Software" has been revised. Please void Page No. 256 in your proposal and staple the revised Page No. 256 thereto.

On Page No. 257, Section 31.2.C.1 "Ethernet LAN Switches-General" has been revised to remove the requirement that equipment be manufactured by Cisco Systems. Please void Page No. 257 in your proposal and staple the revised Page No. 257 thereto.

Sincerely,

R. A. Garris, PE
Contract Officer

RAG/jjr
Attachments

cc: Mr. J.G Nance, PE
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Intelligent Transportation Systems Section

- Detect switch failures
- Detect router failures
- Detect hub failures
- Detect cable failures
- Provide network performance information

In addition, furnish network management performance software that:

- Allows the configuration and backup of configurations currently running on the device
- Uses SNMP logging, paging and email alert capabilities
- Support TFTP transfers
- Supports Secure SNMP Version 3 or latest approved equal that runs under Windows Vista, or other approved operating system
- Supports full RMON-1 application, automatic baseline alarms, MIB expressions, email/pager event notification, advanced event actions, real time tabular/graphical displays, device specific applications, programming interfaces, optional WEB/Printed Reports, and recording of historical data to a log
- Supports and implements full IOS Firewall feature set (latest release) including data encryption for data passing through a router

C. Ethernet LAN Switches

Furnish LAN switches with the functionality and features described herein.

C.1. General

Furnish a Managed Ethernet LAN switch connectivity point for networked hardware. LAN switch shall feature each of the following attributes:

- A switch fabric/back plane capable of providing maximum transmission bandwidth, simultaneously to the number of ports required.
- Be modular and expandable to accommodate additional ports up to 50% of the initial bandwidth.
- A 10 Base-T network management port and software that supports simple network management protocol (SNMP) Management Information Base (MIB) II, SNMP MIB extensions, bridging MIB (RFC 1493) and remote monitoring (RMON). This port shall

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allow a notebook computer with network management software to monitor traffic over all switched segments of the network.

- Support IGMP snooping
- Fault-tolerant power supplies. Failed power supply shall be hot swappable. Only one power supply shall be required for operation. Failed power supply shall be automatically detected and reported to the network management software.
- Be rack mountable in a standard 19" equipment rack.
- Power control switch
- Power on/off indicator

As a minimum, the front panel shall include the following per-port status LED indications:

- Link Integrity
- Disabled
- Activity
- Speed
- Full-Duplex

Use RJ-45 type connectors for all TX interface ports. Use LC type connectors for all FX interface ports.

Furnish equipment that meets the IEEE standard 802.3. Furnish LAN Switch with 120 VAC power and network management port for remote network management via IBM compatible PC.

C.2. Central LAN Switch (24-Port TX, 8-Port FX)

Furnish LAN switch with a minimum of twenty four (24) 10/100/1000 Ethernet ports and a minimum of eight (8) fiber optic ports with LC connectors. Furnish all required jumper cables with matching LC connectors.

C.3. Remote LAN Switch (4-Port TX, 2-Port FX)

Furnish LAN switch with a minimum of four (4) 10/100 Ethernet ports and a minimum of two (2) fiber optic ports with LC connectors. Furnish all required jumper cables with matching LC connectors.