Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

January 26, 2009

Monica Gourdine
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 784
Proposed Specification: 7840100 ITS – Network Devices

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

These changes were proposed by Gene Glotzbach include a statement to clarify the requirement that devices described by these specifications be listed on the Approved Product List.

Please review and transmit your comments, if any, within four weeks. Comments should be sent via Email to ST986RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4110.

Sincerely,

Signature on File

Rudy Powell, Jr., P.E.
State Specifications Engineer

RP/ft
Attachment
cc: Gregory Jones, Chief Civil Litigation
Florida Transportation Builders' Assoc.
State Construction Engineer

INTELLIGENT TRANSPORTATION SYSTEMS–NETWORK DEVICES.
(REV ~~12-5-06~~*1-22-09*) ~~(FA 1-29-07) (7-07)~~

SUBARTICLE 784-1.1 (of the Supplemental Specifications) is deleted and the following substituted:

784-1.1 Description. Furnish and install a hardened, device-level managed field Ethernet switch (MFES) for intelligent transportation system (ITS) projects. Ensure that the MFES provides wire-speed fast Ethernet connectivity at transmission rates of 100 megabits per second from the remote ITS device installation location to the ITS network trunk interconnection point. *Use only equipment and components that meet the requirements of these minimum specifications, and are listed on the Department's Approved Product List (APL).*

SUBARTICLE 784-2.1 (of the Supplemental Specifications) is deleted and the following substituted:

784-2.1 Description. Furnish and install a device server as shown in the plans. Provide a device server that includes a central processing unit (CPU), realtime operating system (RTOS), Transmission Control Protocol/Internet Protocol (TCP/IP) stack, and Ethernet and serial data ports to allow connection of serial devices with EIA-232, EIA-422, and EIA-485 connections to an Ethernet network. Ensure that the device server (also referred to as a terminal server) encapsulates serial data in network packets and transports them across IP networks. *Use only equipment and components that meet the requirements of these minimum specifications, and are listed on the Department's Approved Product List (APL).*

SUBARTICLE 784-3.1 (of the Supplemental Specifications) is deleted and the following substituted:

784-3.1 Description: Furnish and install digital video encoder (DVE) and digital video decoder (DVD) hardware and software to create a video-over-IP network system, as shown in the plans, and as directed by the Engineer. *Use only equipment and components that meet the requirements of these minimum specifications, and are listed on the Department's Approved Product List (APL).*

INTELLIGENT TRANSPORTATION SYSTEMS–NETWORK DEVICES. (REV 1-22-09)

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