

EXPECTED IMPLEMENTATION JULY 2009

784 INTELLIGENT TRANSPORTATION SYSTEMS–NETWORK DEVICES. (REV 1-22-09) (FA 2-4-09) (7-09)

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).