



Florida Department of Transportation

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ESTIMATES BULLETIN 12-18

DATE: January 10, 2013

TO: District Estimates Coordinators; District Design Engineers

FROM: Phillip Greg Davis, State Estimates Engineer

COPIES TO: Duane Brautigam, David Sadler, Tim Lattner, Mark Wilson, Robert Robertson, Trey Tillander, Alan El-Urfali

SUBJECT: Signal and Communications Cable

ISSUE BACKGROUND: Signal Cable is used for traffic signal applications, and Communication Cable is used for traffic signal, ITS, and/or toll collection applications. As part of the ongoing effort to consolidate material requirements from the Minimum Specifications for Traffic Control Signals and Devices (MSTCSD) into the Standard Specifications, Section 632 has been modified to include only the requirements for signal cable and a new Section 633 has been developed to include requirements for communication cable.

The new Section 633 consolidates communication cable requirements from Sections 632 and 783. Therefore, Section 783 of the Specifications, Intelligent Transportation Systems- Fiber Optic Cable and Interconnect will be deleted. The communications items from this section are noted below. The remaining pay items from Section 783 will be addressed in a separate bulletin.

IMPLEMENTATION: Effective with projects let July 1, 2013, update plans, including the tabulation sheets, pay items, and quantities, to coordinate with the new specification.

Update Pay Items: The *2013 Basis of Estimates Manual (BOE)* will be updated to reflect the above changes.

The following pay item will remain valid:

632-7- A Signal Cable, per intersection

The following pay items are valid through June 30, 2013:

632-6 Signal Cable, Outside of Intersection, LF

632-8-ABC Interconnect Cable, LF

684-AB System Communications Carrier, LF

783-1-ABC ITS Fiber Optic Cable, LF

783-2- AB ITS Fiber Optic Connection, EA

783-3- AB ITS Fiber Optic Connection Hardware, EA

The following pay item will be effective July 1, 2013:

633-1-ABC Fiber Optic Cable, LF

A= Operation

- 1 (Furnish & Install)
 - 3 (Install) Furnished by FDOT or local agency; C=0
 - 4 (Relocate) C=0
- For removal, see 690 items

B= Location

- 1 (Overhead)
- 2 (Underground)

C= Number of Fibers in Cable

- 1 (2 to 12)
- 2 (13 to 48)
- 3 (49 to 96)
- 4 (97 to 144)

633-2- A Fiber Optic Connection, each

A= Operation

- 3 (Install)

B= Type

- 1 (Splice)
- 2 (Termination)

633-3- AB Fiber Optic Connection Hardware, each

A= Operation

- 1 (Furnish & Install)
- 3 (Install)
- 4 (Relocate)
- 5 (Adjust /Modify)

B=Component

- 1 (Splice Enclosure)
- 2 (Splice Tray)
- 3 (Preterminated Connector Assembly)
- 4 (Buffer Tube Fan Out Kit)
- 5 (Patch Panel, Preterminated)
- 6 (Patch Panel, Field Terminated)
- 7 (Connector Panel)

633-4- A Twisted Pair Cable, LF

A= Operation

- 1 (Furnish & Install)
 - 3 (Install) Furnished by FDOT or local agency; C=0
 - 4 (Relocate) C=0
- For removal, see 690 items

Update Plans and Pay Item Notes: For applicable projects, update the tabulation sheets and Proposal Summary of Quantities (Trns•port report) in the plans.

Specifications: Specifications will be available with the July 2013 workbook.

If you have any questions regarding the above items, please contact Melissa Hollis 850-414-4182.