



Florida Department of Transportation

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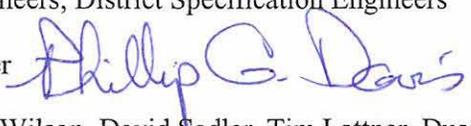
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SECRETARY

ESTIMATES BULLETIN 13-08

DATE: July 26, 2013

TO: District Design Engineers, District Estimates Engineers, District Specification Engineers

FROM: Phillip "Greg" Davis, PE, State Estimates Engineer 

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

SUBJECT: Midblock Crosswalk Enhancement Assemblies

BACKGROUND: Specifications were recently approved to establish minimum requirements for Mid-Block Crosswalk Enhancement Assemblies. These assemblies include: In-Roadway Lights, Rectangular Rapid Flashing Beacons (RRFB), and Pedestrian Hybrid Beacons. The purpose of these assemblies is to warn motorists that they are approaching a condition on or adjacent to the roadway that might require them to slow down and/or stop for pedestrians. **Guidance and requirements for these devices can also be found in the Manual on Uniform Traffic Control Devices (MUTCD), Chapter 4; and the Traffic Engineering Manual, Section 3.8.**

IMPLEMENTATION PLAN: Section 654 of the specifications will be available with January 2014 ebook. Below is a summary of the payment for each type of midblock crossing.

- For In-Roadway Light Assembly, the assembly includes in-roadway lights, signs, sign support structures, cabinet, electronics, wiring, and pedestrian detectors for a complete crossing. Solar panels are included in the cost of the assembly, when shown in the plans. Note: Only 1 assembly is needed per mid-block crossing.
- For Rectangular Rapid Flashing Beacon Assembly, the assembly includes a rectangular beacon and signs for each approach, sign support structure, cabinet, electronics, wiring, and pedestrian detector. Solar panels are included in the cost of the assembly, when shown in the plans. Note: A minimum of 2 assemblies is normally needed per mid-block crossing, one for each approach.
- For a Pedestrian Hybrid Beacon Assembly, the assembly includes the 3-section signal, hardware, and backplate. Pedestrian signals, cabinet, signs, mast arms, strain poles or other support structures, and signal cable will be paid under the applicable sections for each item. Note: a minimum of 2 signal assemblies are required per approach to any mid-block crossing.

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

The following pay items are effective January 1, 2014:

654-1- AB In-Roadway Light Assembly

A= Operation

- 1 (Furnish & Install- AC Powered) B=0
- 2 (Furnish & Install- Solar Powered) B=0
- 3 (Install) Equipment furnished by FDOT or maintaining agency; B=0
- 4 (Relocate) B=1, 2, or 3
- 5 (Adjust/Modify) B=1, 2, or 3
- 6 (Remove) B=1, 2, or 3
- 7 (Replace) for Maintenance use

B= Component

- 0 (Complete Assembly) AS
- 1 (Light Fixture) EA, includes incidental wiring
- 2 (Cabinet) EA
- 3 (Electronics) EA, detail in plans

654-2- AB Rectangular Rapid Flashing Beacon Assembly

A= Operation

- 1 (Furnish & Install- AC Powered) B=0
- 2 (Furnish & Install- Solar Powered) B=0
- 3 (Install) Dept Furnished Equipment; B=0
- 4 (Relocate) B=1, 2, or 3
- 5 (Adjust/Modify) B=1, 2, or 3
- 6 (Remove) B=1, 2, or 3
- 7 (Replace) for Maintenance use

B= Component

- 1 (Complete Assembly- Single Direction) AS
- 2 (Complete Assembly- Back-to-Back) AS
- 3 (Cabinet)

654-3- AB Pedestrian Hybrid Beacon Assembly

A= Operation

- 1 (Furnish & Install) B=0
- 3 (Install) Dept Furnished Equipment; B=0
- 4 (Relocate) B=1, 2, or 3
- 5 (Adjust/Modify) B=1, 2, or 3
- 6 (Remove) B=1, 2, or 3
- 7 (Replace) for Maintenance use

B= Component

- 0 (Complete Assembly) 3-section signal; AS

Specifications: Specifications and pay items will be available for projects let January 1, 2014 and later.

If you have any questions, please contact Melissa Hollis, Melissa.Hollis@dot.state.fl.us or 850-414-4182.