

ORIGINATION FORM
Proposed Revisions to the Specifications
(Please provide all information - incomplete forms will be returned)

Date: _____ **Office:** _____
Originator: _____ **Specification Section:** _____
Telephone: _____ **Article/Subarticle:** _____
Email: _____ **Associated Section(s) Revisions:** _____

Will the proposed revision require changes to the following Publications:

Publication	Yes	No	Office Staff Contacted	Date
Standard Plans Index				
Traffic Engineering Manual				
FDOT Design Manual				
Construction Project Administration Manual				
Basis of Estimate/Pay Items				
Structures Design Guidelines				
Approved Product List				
Materials Manual				
Maintenance Specs				

Will this revision necessitate any of the following:

Design Bulletin Construction (DCE Memo) Estimates Bulletin Materials Bulletin

Have all references to internal and external publications in this Section been verified for accuracy?

Synopsis: Summarize the changes:

Justification: Why does the existing language need to be changed?

Do the changes affect either of the following types of specifications (Hover over type to go to site.):

Special Provisions Developmental Specifications

List Specifications Affected: (ex. SP3270301, Dev330TL, Dev334TL etc.)

Contact the State Specifications Office for assistance completing this form.

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- 1. Are changes in line with promoting and making meaningful progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?**

- 2. What financial impact does the change have; project cost, pay item structure, or consultant fees?**

- 3. What impacts does the change have on production or construction schedules?**

- 4. How does this change improve efficiency or quality?**

- 5. Which FDOT offices does the change impact?**

- 6. What is the impact to districts with this change?**

- 7. Does the change shift risk and to who?**

- 8. Provide summary and resolution of any outstanding comments from the districts or industry.**

- 9. What is the communication plan?**

- 10. What is the schedule for implementation?**

Note: Some original language has been moved within this revision.

TRAFFIC CABINETS.
(REV 8-10-23)

SUBARTICLE 676-3.1 is deleted and the following substituted:

676-3 Installation Requirements.

676-3.1 General: Ground all cabinets in accordance with the requirements of Section 620. Keep the ground wire from the cabinet ground busbar to the ground rod assembly or array as short as possible. Ensure the ground wire is not in contact with any other part of the cabinet. ~~Controller cabinets shall be wired in accordance with the signal operating plan specified in the Contract Documents. If phases are omitted for future use, the cabinet must be wired for these future phases. However, the load switches for the future phases do not have to be furnished.~~ All field drilled conduit entrance holes or other holes must be reamed and free of burrs. All conduit connections to cabinets and small equipment enclosures must be weatherproof. Ensure cabinet doors do not pinch or damage interior cables or displace equipment when doors are open, closed, or in motion.

~~(e) Construct cabinet bases and maintenance service slabs as shown in Standard Plan 676-010 unless otherwise shown in the Plans. Construct the base for the cabinets with cabinet bases and maintenance service slabs without risers using concrete in accordance with Section 347. Construct cabinet bases and maintenance service slabs with risers using concrete in accordance with Section 346. Make the concrete base and maintenance service slab for the cabinet level, free of honeycombs, and as smooth as possible with a broomed finish.~~ Temporarily seal the end of conduit risers located in the base before placing the concrete. Ensure conduit remains clear of debris. Position the end of the conduit risers a minimum of 2 inches above the finished surface of the concrete base.

SUBARTICLE 676-3.2 is deleted and the following substituted:

676-3.2 Traffic Signal Controller Cabinet Installation: Install traffic signal controller cabinets and concrete risers in accordance with Standard Plans, Index 676-010. ~~Controller cabinets shall be wired~~ Wire controller cabinets in accordance with the signal operating plan specified in the Contract Documents. If phases are omitted for future use, the cabinet must be wired for these future phases. ~~However, the~~ Load switches for the future phases do not have to be furnished.

SUBARTICLE 676-3.2.2 is deleted and the following substituted:

676-3.2.2 Base-Ground Mounted Cabinets:

(a) Use anchor bolts to fasten base-ground mounted cabinets to the concrete base.

(b) Seal the joint between the bottom of the cabinet and the concrete base (inside and outside of cabinet) with a clear silicone rubber sealant.

~~(c) Construct the base for the cabinets with concrete in accordance with Section 347. Make the concrete base for the cabinet level, free of honeycombs and as smooth as~~

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~~possible. Temporarily seal the end of conduit risers located in the base before placing the concrete. Position the end of the conduit risers a minimum of 2 inches above the finished surface of the concrete base.~~

SUBARTICLE 676-3.3 is deleted and the following substituted:

676-3.3 Intelligent Transportation System Cabinet Installation: Mount the cabinet as shown in the Plans and provide the cabinet with the necessary base or pole mount hardware. Ensure that pole and structure-mounted field cabinets have mounting brackets on the side so that both cabinet doors are fully functional. Provide an adapter bracket for pole mounted cabinets that is designed to allow banding straps to be installed without obstructing pole handholes.

Make provisions for all data, control, and confirmation connections between the ITS device and field cabinet and for any required wiring harnesses and connectors.

Place a heavy-duty resealable plastic bag on the backside of the main cabinet door for storing a list of terminal block connections and other cabinet documentation.

Place all equipment in the cabinet according to the recommendations of the manufacturer. Maintain a minimum clearance of 6 inches between the top of the cabinet and the top of any equipment placed on the top shelf of the cabinet and a minimum clearance of 2 inches between each side of the cabinet and any equipment placed on the cabinet shelves.

~~Construct a maintenance service slab as shown in Standard Plan 676-010 or as shown in the Plans. Construct the maintenance service slab with concrete in accordance with Section 347.~~

ARTICLE 676-4 is deleted and the following substituted:

676-4 Warranty.

Ensure cabinets ~~and~~, enclosures, ~~and risers~~ have a manufacturer's warranty covering defects for a minimum of ~~two~~ 2 years from the date of final acceptance ~~in accordance with 5-11 and Section 608~~. The warranty must include providing replacements, within 10 calendar days of notification, for defective parts and equipment during the warranty period at no cost to the Department or maintaining agency.

ARTICLE 676-5 is deleted and the following substituted:

676-5 Method of Measurement.

The Contract unit price each for cabinet ~~or~~, enclosure, ~~or riser~~, furnished and installed, will include all materials specified in the Contract Documents, and all labor, equipment, and miscellaneous materials necessary for a complete and acceptable installation.

No separate payment will be made for a traffic signal controller cabinet when included with the controller assembly as per Section 670.