

Origination Form

Specifications

Name:	Ronald Meyer	Specification Number:	665-3
Email:	ronald.meyer@dot.state.fl.us	Associated Specs:	None
Date:	2024-05-31T20:53:16Z	Verified:	VERIFIED

Summary:

Reduced duration of warranty based on stakeholder input and for consistency with other traffic control devices. Modified sentence to match current language in other instances (e.g., no need for phrase "...by the Engineer in accordance with...").

Justification:

The language needs to be changed to update requirements based on stakeholder input and for consistency with warranty language for other traffic control devices.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

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

Yes. Changes reflect stakeholder needs and improve consistency of specification content.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

No significant changes.

What impact does the change have on production or construction schedules?

No expected impacts to production or construction schedules.

How does this change improve efficiency or quality?

Changes improve quality via consistency with similar requirements.

Which FDOT offices does the change impact?

Traffic Engineering and Operations

What is the impact to districts with this change?

Reduction in manufacturer's warranty duration.

Does the change shift risk and to who?

Reduction of required warranty duration from 5 years to 3 years is a minor shift of risk from device manufacturers to the Department.

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

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

PEDESTRIAN DETECTION SYSTEM.

(REV 5-31-24)

ARTICLE 665-2 is deleted and the following substituted:

665-2 Materials.

Meet the following requirements:

Standard Pedestrian Pushbutton Detector* 995-9.2

Accessible (Audible/Tactile) Pedestrian Pushbutton

Detectors* 995-9.3

Passive Detectors* 995-9.4

Type XI Retroreflective Sign Sheeting*Section 994

Aluminum Poles, Pedestals, Posts*Section 646

*Use products listed on the Department's APL.

~~Use pedestrian detection systems that meet the requirements of Section 995 and are listed on the Department's Approved Product List (APL). For the pedestrian actuation sign, use Type XI retroreflective sign sheeting meeting the requirements of Section 994 and the Standard Plans, Index 700-102.~~

ARTICLE 665-3 is deleted and the following substituted:

665-3 Warranty.

Ensure that pedestrian detection systems have a manufacturer's warranty covering defects for a minimum of 53 years from the date of final acceptance ~~by the Engineer in accordance with 5-11 and Section 608~~. Ensure the warranty includes providing replacements, within 10 calendar days of notification, for defective parts and equipment during the warranty period at no cost to the Department or the maintaining agency.

ARTICLE 665-4 is deleted and the following substituted:

665-4 Installation.

Install pedestrian detectors at the locations and in a manner as shown in the Plans and Standard Plans, Index 665-001. Ensure all detectors are the same manufacturer and model.

Pushbuttons mounted on wood poles must be serviced by a conduit riser. Pushbuttons mounted on steel or aluminum (poles, pedestals, or posts) must be serviced by wiring inside the pole. Pushbuttons mounted on existing concrete poles may be serviced by a conduit riser. Pushbuttons mounted on new concrete poles or pedestals must be serviced by wiring on the inside.

A pedestrian actuation sign must be included with each pushbutton assembly. Install pedestrian actuation sign in accordance with the sheeting manufacturer's recommendations and Standard Plans, Index 700-102. Tactile arrows of accessible pedestrian pushbuttons must align parallel with the direction of the crossing.

When mounting, place the detector housing or saddle in complete contact with the pole or controller cabinet. When a post is required in the installation of the pedestrian detector, restore the area around the post to its original condition or as required by the Plans.