

6650400 PEDESTRIAN DETECTION SYSTEM

COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Peter Hsu  
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Comments: (7-5-23 Internal)

The specification language directs to install pedestrian detectors at the locations and in a manner as shown in the Plans and Standard Plans, Index 665-001. However, Index 665-001 Detail "B" contradicts the FDOT Design Manual section 222.2.2, specifically, paragraph one on page 7: "The landing must provide a clear area of 30 inches by 48 inches directly in front of the pedestrian pushbutton to allow persons using a wheeled mobility device to actuate the button while remaining stationary. Horizontally center the 48-inch dimension on the pushbutton." o The contradiction between Index 665-001 Detail "B" in the Standard Plans and FDM language is related to the allowed placement of the pedestrian signal pole and detection button orientation: The FDM requires the detection button to be centered on a 48"x30" flat surface. Meanwhile, Index 665-001 Detail "B" shows the detection button behind the back of the sidewalk curb with a 10" maximum reach from the sidewalk flat surface. o This issue has been a constant challenge in construction between FDOT and local agency inspectors. Clarification is needed or updates to the FDM and Standard Plans Index 665-001 to be in agreement.

Response: Thank you for the comment. This comment is outside the scope of the revision to the specification. We will investigate this information further and respond to you directly.

Action: No change at this time.

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Tiffany Gehrke  
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Comments: (7-7-23 Internal)

I have reviewed and have no comments.

Response: Thank you for your review.

Action: No change

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Karen Byram  
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Comments: (6-19-23 Internal)

A sign is a finished item consisting of information, sign sheeting, and a panel. The sign is attached to the pedestrian system, the sign sheeting is attached to a panel. The sentence "Install pedestrian actuation sign in accordance with the sheeting manufacturer's recommendations." should be modified to 'Install pedestrian actuation sign sheeting to the sign panel in accordance with the sheeting manufacturer's recommendations.' Alternatively, you could reference Specification 700.

Response: Thank you Karen. I will propose this update as suggested.

Action: Make revision as Karen recommended.

**PEDESTRIAN DETECTION SYSTEM.****(REV 4/7/23)**

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 sheeting to the sign panel in accordance with the sheeting manufacturer's recommendations. 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.