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

Date: November 10, 2021

Originator: Derek Vollmer

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Office: Traffic Engineering and Ope

Specification Section: 102

Article/Subarticle: 102-9.15

Associated Section(s) Revisions: N/A

Will the proposed revision require changes to:

Publication	Yes	No	Office Staff Contacted
Standard Plans Index	○	◉	Rick Jenkins/Joshua Turley
Traffic Engineering Manual	○	◉	Javier Ponce 11/10/21
FDOT Design Manual	○	◉	Gevin McDaniel 11/10/21
Construction Project Administration Manual	○	◉	Scott Arnold 11/10/21
Basis of Estimate/Pay Items	○	◉	Melissa Hollis/Ryan Gray 11
Structures Design Guidelines	○	◉	Ben Goldsberry 11/10/21
Approved Product List	○	◉	Karen Byram 11/10/21
Materials Manual	○	◉	Tim Counts 11/10/21

Will this revision necessitate any of the following:

Design Bulletin ☐ **Construction Bulletin** ☐ **Estimates Bulletin** ☐ **Materials Bulletin** ☐

Are all references to external publications current? **Yes** ◉ **No** ○

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Please include the language below back into the proposed 102 change submitted by Derek. I think we should send it back out for review and include language in the memo that says “The PCMS requirements were inadvertently left out of the July 2021 eBook and are being added

Summary of the changes:

Add "If permanent traffic detection cannot be restored within 12 hours, provide temporary detection."

Are these changes applicable to all Department jobs? **Yes** ◉ **No** ○

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.

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M E M O R A N D U M

DATE: December 9, 2021

TO: Specification Review Distribution List

FROM: Daniel Strickland, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **1020912 Maintenance of Traffic.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Derek Vollmer from the Traffic Engineering and Operations Office to include the 12 hour requirement as stated in SSRBC. Changes also include PCMS requirements that were inadvertently left out of the July 2021 eBook and are being added back in.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at http://fdotewp1.dot.state.fl.us/programmanagement/development/industryreview.aspx . Comments received after **January 6, 2022,** may not be considered. Your input is encouraged.

DS/vc

Attachment

MAINTENANCE OF TRAFFIC
(REV 11-23-21)

SUBARTICLE 102-9.11 is deleted and the following substituted:

102-9.11 Portable Changeable Message Sign (PCMS): Furnish PCMSs or truck mounted changeable message signs that meet the requirements of Section 990 as required by the Plans and Standard Plans to supplement other temporary traffic control devices used in work zones. Ensure that the PCMS display panel is raised to a fully upright position and is visible to motorists from ½ mile, or a distance approved by the Engineer, under both day and night conditions. Use PCMS with a minimum letter height of 18 inches. For facilities with posted speed limits of 45 mph or less, PCMS with a minimum letter height of 12 inches may be used. For roadways with speed limits greater than 45 mph, the message displayed on the PCMS must be unobstructed from 800 feet. For roadways with speed limits of 45 mph or less, the message displayed must be unobstructed from 650 feet.

Messages must have no more than two phases. The display time for each phase must be at least two seconds but no more than three seconds. The sum of the display time must be a maximum of six seconds.

SUBARTICLE 102-9.15 is deleted and the following substituted:

102-9.15 Temporary Traffic Detection and Maintenance: Provide temporary traffic detection and maintenance at existing, temporary, and new signalized intersections. Provide temporary traffic detection equipment listed on the APL. Restore any loss of detection within 12 hours. If permanent traffic detection cannot be restored within 12 hours, provide temporary detection. Ensure 90% accuracy per signal phase, measured at the initial installation and after any lane shifts, by comparing sample data collected from the detection system with ground truth data collected by human observation. Collect the sample and ground truth data for a minimum of five minutes during a peak and five minutes during an off-peak period with a minimum three detections for each signal phase. Perform the test in the presence of the Engineer.