



Florida Department of Transportation

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MEMORANDUM

DATE: June 6, 2017

TO: Rudy Powell, Director, Office of Maintenance; Mike Sprayberry, State Administrator for Maintenance Contracts; Scott Foltz, General Counsel's Office; Greg Davis, State Estimates Office, Maintenance Distribution List

CC: Dan Hurtado, State Specifications Engineer; Stefanie Maxwell, Manager, Program Management Office

FROM: Frances Thomas, Specifications Development Coordinator

SUBJECT: Proposed Specification: SP1020912 and SP9900301

Attached for your review and comments is a copy of the subject proposed specification.

The changes are proposed by Maria Connolly/Hugo Murcia, Florida Turnpike Enterprise Maintenance Office, to have Contractors provide and maintain portable changeable message signs that may be programmed by the Department remotely.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and may be entered on-line, sent to Mail Station 75, or by email to Frances Thomas at frances.thomas@dot.state.fl.us .

Comments received after **July 3, 2017** may not be considered. Your input is encouraged.

Attachment

**MAINTENANCE OF TRAFFIC – REMOTELY PROGRAMMABLE PORTABLE
CHANGEABLE MESSAGE SIGNS.****(REV 6-5-17)**

SUBARTICLE 102-9.12 is expanded by the following:

102-9.12 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 Design Standards to supplement other temporary traffic control devices used in work zones. Ensure that the PCMS display panel is raised to a minimum mounting height of 7 feet from the bottom of the panel to the edge of the travel way elevation when in the upright position.

Furnish remotely programmable PCMS (RPPCMS) at locations as directed by the Department. Provide RPPCMS utilizing a high speed cellular data network for communication. RPPCMS must be web-based controlled and SunGuide compatible to be remotely controlled by Department staff.

SUBARTICLE 102-11.5 is deleted and the following substituted:

102-11.15 Portable Changeable Message Sign: The quantity to be paid at the Contract unit price will be for the number of PCMSs, *RPPCMSs*, or truck mounted changeable message signs certified as installed/used on the project on any calendar day or portion thereof within the Contract Time. Payment will be made for each portable changeable message sign that is used during the period beginning fourteen working days before Contract Time begins as authorized by the Engineer.

SUBARTICLE 102-13.14 is deleted and the following substituted:

102-13.14 Portable Changeable Message Sign: Price and payment will be full compensation for furnishing, installing, operating, relocating, maintaining and removing portable changeable message signs *and remotely programmable portable changeable message signs*.

SUBARTICLE 102-13.22 is expanded by the following:

*Item No. 102- 99- 1 Portable Changeable Message Sign (Temporary),
Department Controlled – per each day.*

TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS – REMOTELY PROGRAMMABLE PORTABLE CHANGEABLE MESSAGE SIGNS.**(REV 6-5-17)**

SUBARTICLE 990-3.1 is expanded by the following:

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6. For Remotely Programmable Portable Changeable Message Signs (RPPCMS), the matrix must utilize all light emitting diodes (LEDs). LEDs used must be amber (590nm dominate wavelength) and must meet the visibility requirements of the specification. LEDs must have a viewing angle no less than 30 degrees. LED intensity must not fall below 80 percent in three years.

SUBARTICLE 990-3.3.2, is expanded by the following:

8. Portable Changeable Message Signs (PCMS) must meet the requirements of NEMA TS4-2005, section 2.

9. For RPPCMS, provide web-based control interface capable of the following:

- 1. Must allow remote configuration.*
- 2. Must include diagnostics to determine pixel and panel outages.*
- 3. Must allow multiple user accounts.*
- 4. Must provide battery charge level.*