



Florida Department of Transportation

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KEVIN J. THIBAUT, P.E.
SECRETARY

January 26, 2021

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: **660**
Proposed Specification: **6600202 Vehicle Detection System.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Derek Vollmer from the Traffic Engineering and Operations Office to distinguish the presence detection and introduce new pay items between both functions. The proposed spec change is in accordance with Section 611.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Daniel Strickland, P.E.
State Specifications Engineer

DS/rf

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

VEHICLE DETECTION SYSTEM (REV 11-12-20)

SUBARTICLE 660-2.2.2.2 is deleted and the following substituted:

660-2.2.2.2 Video: A video vehicle detection system (VVDS) uses one or more cameras recommended by the manufacturer or an integrated thermal sensor and video analytics hardware and software to detect vehicle presence, provides a detection output, ~~or~~ generates volume, occupancy, and speed data.

SUBARTICLE 660-2.2.2.3 is deleted and the following substituted:

660-2.2.2.3 Microwave: A microwave vehicle detection system (MVDS) transmits, receives, and analyzes a FCC-certified, low-power microwave radar signal to detect vehicle presence, provide a detection output, ~~or~~ generate volume, occupancy, and speed data.

SUBARTICLE 660-4.2.2 is deleted and the following substituted:

660-4.2.2 Field Acceptance Testing: ~~Verify detector data accuracy at installed field sites using a reduced method similar to those described in 995-2.9.1. Compare sample data collected from the detection system with ground truth data collected by human observation. For site acceptance tests, collect samples and ground truth data for each site for a minimum of five minutes during a peak period and five minutes during an off peak period. Perform site acceptance tests in the presence of the Engineer.~~ Conduct field acceptance testing in accordance with Section 611.

ARTICLE 660-7 is deleted and the following substituted:

660-7 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section. Payment will be made under:

Item No. 660-1	Inductive Loop Detector – each.
Item No. 660-2	Loop Assembly – per assembly.
Item No. 660-3	Vehicle Detection System - Microwave – each.
Item No. 660-4	Vehicle Detection System – Video – each.
Item No. 660-5	Vehicle Detection System – Wireless Magnetometer – each.
Item No. 660-6	Vehicle Detection System - AVI – each.
Item No. 660-7	Vehicle Detection System - WWVDS – each.
<u>Item No. 660-8</u>	<u>Traffic Data Detection System - Microwave - each.</u>
<u>Item No. 660-9</u>	<u>Traffic Data Detection System - Video - each.</u>

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