



Florida Department of Transportation

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

Date: September 20, 2013

To: District Traffic Operations Engineers, District Maintenance Engineers, District Design Engineers, District Directors of Operations, and District Directors of Production

From: Mark C. Wilson, P.E., State Traffic Operations Engineer *MCW*

Copies: Ananth Prasad, Brian Blanchard, Tom Byron, Duane Brautigam, Tim Lattner, Lora Hollingsworth, and District Secretaries

Subject: **Traffic Engineering Manual Section 3.6 Revision - Standardization of Yellow Change and Red Clearance Intervals for Signalized Intersections**

Section 3.6 of the Department's *Traffic Engineering Manual (TEM)* Standardization of Yellow Change and Red Clearance Intervals for Signalized Intersections has been revised and is attached.

All new signal installations, intersections with Traffic Infraction Detectors, signal phasing changes, geometric changes affecting the timing or phasing, or corridor re-timing projects must comply with these guidelines immediately upon implementing timing changes.

Intersections with existing Traffic Infraction Detectors must be in compliance with the revisions by December 31, 2013. All other existing signalized intersections on the state highway system must be in compliance by June 30, 2015.

The revisions include:

- Perception/Reaction Time (PRT) to be used is 1.4 seconds
- Minimum yellow change interval is 3.4 seconds
- Round computations up to the nearest 1/10th of a second
- Red clearance interval minimum raised to 2.0 seconds

Also attached are the revised Traffic Infraction Detector Placement and Installation Specifications that the Department is required to develop pursuant to *F.S., 316.0776 Traffic infraction detectors; placement and installation.*

Please forward the documents to the local maintaining agencies in your Districts.