



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 14-01 Technical Advisory

February 4, 2014

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ Elizabeth W. Phillips
Elizabeth W. Phillips
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Division of Bridges

SUBJECT: *Indiana Design Manual Rewrite*

REVISES: *Indiana Design Manual Chapters 75, 76, 77, and 78*

SUPERSEDES: Design Memos 13-06, 13-07, 13-12, and 13-13

EFFECTIVE: Immediately

Indiana Design Manual Chapter 75, Highway Signs, Chapter 76, Pavement Markings, Chapter 77, Traffic Signals, and Chapter 78, Highway Lighting, have been rewritten. These chapters now appear as Chapter 502, Traffic Design, available for download at http://www.in.gov/indot/design_manual/design_manual_2013.htm. Questions regarding Traffic Design should be directed to Dave Boruff, Office of Traffic Administration Manager at dboruff@indot.in.gov.

The following new sections in Chapter 502 provide clarification of the Department's current standards and practice based on guidance found in the *Indiana Manual on Uniform Traffic Control Devices (IMUTCD)* as well as the *AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals*:

- 502-1.01(14) Scoping of Signing for 3R and 4R Projects. This section describes the procedure for determining whether some or all of the existing highway signs should be replaced as part of a construction project.
- 502-1.04(07) Street Name Signs. The use of 12 in. uppercase and 9 in. lowercase lettering for overhead street name signs is now recommended for multilane highways with posted speeds of 50 mph or higher.

- 502-2.02(06) Other White Longitudinal Pavement Markings: Information about the use of dotted lines at lane drops and auxiliary lanes has been added to match *IMUTCD* requirements.
- 502-3.03(06) Flashing Yellow Arrow Indications for Left Turn Signals. This section provides new guidance regarding the use of the flashing yellow arrow signal indication at left-turn signals with both protected and permissive left turns.
- 502-3.04(05) Accessible Pedestrian Signals. The practice of installing accessible pedestrian signals (APS) on only a case-by-case basis has been replaced with a procedure in which the use of APS will be based on the results of an APS study conducted for each project having pedestrian signal work.
- 502-5.03(02) and 502-5.04(07) Intelligent Transportation Systems (ITS). These sections provide descriptions of ITS design criteria, devices, and the ITS plan development procedure.

EWP/jeb

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