



INDIANA DEPARTMENT OF TRANSPORTATION

Design Memo No. 26-11

April 23, 2026

Rev. June 3, 2026

TO: All Design Personnel and Consultants

FROM: /s/ Joe Bruno
for David Boruff
Manager, Office of Traffic Administration
Traffic Engineering Division

SUBJECT: Indiana MUTCD Updates – Chapter 502

REVISES: *Indiana Design Manual* Section 51-12.10(01) and Chapter 502 as follows:

Revision Type	Sections Affected
Revised Sections	502-1.01(02), 1.01(10), 1.01(11), 1.02(04), 1.02(09) thru 1.02(11), 1.04(01), 1.04(08), 2.01(05), 2.09(04), 3.03(01) thru 3.03(06), 3.04(07), 3.04(08), 3.04(12), 3.04(13), 3.05(02), and 3.05(03)
Added Sections	502-1.02(10), 1.02(11), 1.05, 1.06, 3.02, 3.04(16), 3.06(08), 3.06(09), 3.06(10), and 3.06(11)
Revised Figures	502-1C, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1Y, 1Z, 1AA, 1BB, 2A, 2B, 2C, 2D, 2H, 2I, 2K, 2Q, 3A, 3C, 3D, 3F, 3H, 3J, 3K, 3L, 3M, 3N, 3O, 3GG, and 4U
Added Figures	502-1EE, 1FF, 1GG, 1HH, 1II, 3B

EFFECTIVE: Lettings on or after December 1, 2026

This design memo has been revised to include Figure 502-2H, which was not included in the original publication.

Indiana Design Manual (IDM) [Chapter 502](#) has been updated to comply with the 11th edition of the *Indiana Manual on Uniform Traffic Control Devices* (IMUTCD). A summary of IDM revisions is provided for reference on the following pages. The summary is not comprehensive but focuses on the more notable changes.

Questions about project-specific applications should be discussed with the appropriate District Traffic Engineer.

For general questions regarding the IMUTCD updates, please contact David Boruff, Office of Traffic Administration Manager, at dboruff@indot.in.gov.

Section Affected	Description
502-1.01(02) Reflectorization	Updated the reflective sheeting types and applications in the <i>INDOT Standard Specifications</i> .
502-1.01(10) Sign Structure Selection Guidance and Design Criteria	Defined barrier wall height. Figures <ul style="list-style-type: none"> 501-1C: Combined and consolidated tables to a single page.
502-1.01(11) Design Criteria for Traffic Sign Structure	Updated design criteria to AASHTO LRFD.
502-1.02(04) "No U-Turn" Sign	Added reference to 502-1.02(10) for permissive U-Turn signing.
502-1.02(05) TWLTO Sign	Figures: <ul style="list-style-type: none"> 502-2H Two-Way Left-Turn Lane Transition Markings
502-1.02(09) "Wrong Way" Sign Treatment at Interchanges	Added information on sign placement.
502-1.02(10) Lane Control Signs [Added]	Added guidance for movement or advanced intersection lane control.
502-1.02(11) Keep Right and Keep Left Signs [Added]	Added guidance for when to use and where to place Keep Right or Left signs.
502-1.04(01) General Sign Design Requirements	Added IMUTCD references. Figures: <ul style="list-style-type: none"> 502-1O: Partial Cloverleaf Sign Updates 502-1P: Partial Cloverleaf Sign Updates 502-1R: Partial Cloverleaf Sign Updates 502-1S: Partial Cloverleaf Sign Updates 502-1T: Partial Cloverleaf Sign Updates 502-1U: Partial Cloverleaf Sign Updates 502-1V: Partial Cloverleaf Sign Updates
502-1.04(02) Post-Interchange Sign Sequence	Figures: <ul style="list-style-type: none"> 502-1Y: Post-Interchange Sign Sequence – Added page for interstate-to-interstate freeway and updated separation lengths. 502-1Z: Regional & National Control Cities – Editorial Update
502-1.04(08) Reference Markers, D10-1 thru D10-5 Series	Added information for new alignments. Figures <ul style="list-style-type: none"> 502-1BB: Created table of locations and reduced to two pages. Included table of cardinal direction changes.
502-1.05 Roundabout Signing [Added] 51-12.10(01) Regulatory Signage and Figures 51-12RR thru 51-12XX [Deleted]	Added guidance for roundabout regulatory, warning, and guide signs, considerations for urban, rural, and suburban signage, as well as other considerations. Figures <ul style="list-style-type: none"> 502-1EE: Roundabout Regulatory Signs 502-1FF: Roundabout Warning Signs 502-1GG: Roundabout Destination Signs 502-1HH: Roundabout Lane Guide Signs

Section Affected	Description
	<ul style="list-style-type: none"> • 502-1II: Roundabout Exit Signs
502-1.06 Signing for Other Alternative Intersections [Added]	Added IMUTCD reference.
502-2.01(02) Standardization of Application	Width of wide pavement markings increased from 10" to 12" Figures <ul style="list-style-type: none"> • 502-2A: Typical Intersection Pavement Markings • 502-2B: Pavement Marking Line Applications
502-2.01(04) Materials and Application	Figures <ul style="list-style-type: none"> • 502-2C: Recommended Pavement Marking Application
502-2.01(05) Contrast Markings	Added guidance for when to use full contrast markings. Figures <ul style="list-style-type: none"> • 502-2D: Basic and Full Contrast Markings
502-2.02(06) Other White Longitudinal Pavement Markings	Width of wide pavement markings increased from 10" to 12" Figures <ul style="list-style-type: none"> • 502-2I: Exit and Entrance Gore Markings
502-2.06(04) Delineator Placement and Spacing	Figures <ul style="list-style-type: none"> • 502-2K: Delineator Application, Placement & Spacing
502-2.08(01) General	Figures <ul style="list-style-type: none"> • 502-2Q: Channelized Island Markings, Triangular Island
502-3.02 Request for a New Signal [Added]	Replaces and revised the previous section titled "Preliminary Signal Design Activities."
502-3.03(01) Traffic Signal Controller	Section was significantly revised and was reorganized in order of preference.
502-3.03(02) Pedestrian Control	Updated guidance to contact the District Traffic Engineer.
502-3.03(03) Preemption	Updates to the emergency vehicle and transit vehicle priority sections.
502-3.03(04) Controller Cabinet	Added guidance for signal modernization projects.
502-3.03(05) Detector	Updates on bicycle detectors types and placement. Figures <ul style="list-style-type: none"> • 502-3A: Made into a two page figure. • 502-3B: New Figure for Bike Detection.
502-3.03(06) Traffic Signal-Head Components	Updated FYA and backplate requirements.
502-3.03(07) Signal-Support Structure	Figures <ul style="list-style-type: none"> • 502-3D: Combination Signal-Luminaire Pole
502-3.04(02) Signal Displays	Figures <ul style="list-style-type: none"> • 502-3F: Signal Head Placement • 502-3H: Signal Head Placement, Approaching Lanes with Permissible Phase & Parking on Near Side • 502-3J: Signal Head Placement, Approaching Lanes with Left Turn Lane with Protected Phase

Section Affected	Description
	<ul style="list-style-type: none"> • 502-3K: Signal Head Placement, Approaching Lanes with Left Turn Lane with Permissible Phase • 502-3L: Signal Head Placement, Approaching Lanes with Left Turn Lane with Protected/Permissible Phase • 502-3M: Signal Head Placement, Multi-Lane Approaching Lanes with Left Turn Lane Protected Phase • 502-3N: Signal Head Placement, Approaching Lanes with Two Left Turn Lanes with Protected Phase • 502-3O: Signal Head Placement, Approaching Lanes with Right Turn Overlaps
502-3.04(07) Electrical System	<p>Updated interconnect section to indicate that it is not being used moving forward.</p> <p>Figures</p> <ul style="list-style-type: none"> • 502-3C: Cable-Span Mounted Signal, Partial Bridle Configuration
502-3.04(08) Phasing	Updated the minimum functional requirement, phase operations, and left turn phase requirements.
502-3.04(12) Preferred Counting Configurations	Added discussion on inductive loops.
502-3.04(13) Computer Software	The guidance has been reduced to contacting INDOT regarding the software being used.
502-3.04(16) Traffic-Signal Wireless Detection Tagging Table [Added]	Wireless detection guidance added.
502-3.05 Coordinated-Signal-System Design	Updated to indicate that closed loop systems are no longer used.
502-3.05(02) Central Database-Driven Control System	This section has been reduced to only include central database. Signals are now coordinated using software through continuously maintained communications.
502-3.05(03) Communications Techniques	Updated to cellular modem devices and removed radio interconnects.
502-3.06(09) Intersection Conflict Warning System [Added]	Added guidance for instituting an intersection conflict warning system and reference to IMUTCD.
502-3.06(10) Ramp Metering Signals [Added]	Added ramp metering guidance and IMUTCD reference.
502-3.06(11) Rectangular Rapid Flashing Beacons [Added]	Added RRFB option for uncontrolled approaches.