



Wisconsin Manual on Uniform Traffic Control Devices

11th Edition Overview

Part 4 – Highway Traffic Signals

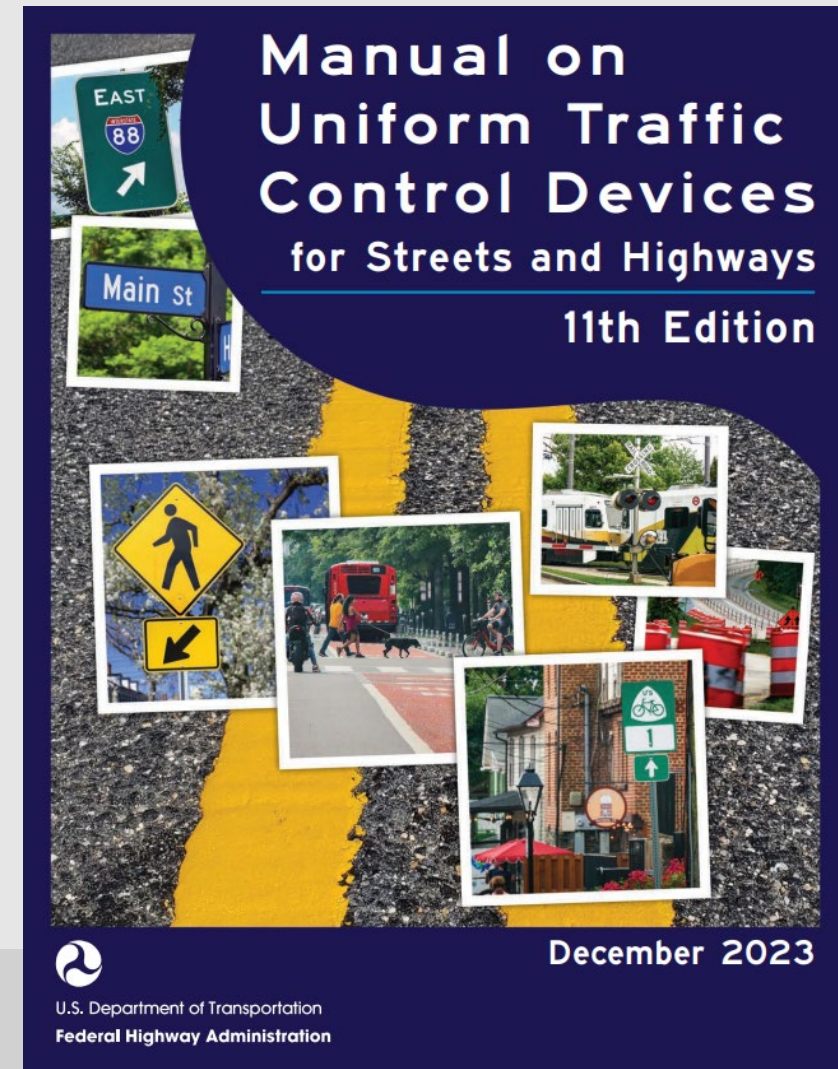
Jeremy Iwen, P.E.

May 6, 2026

Manual on Uniform Traffic Control Devices

MUTCD \ 'em-yü-, tē-sē-dē\ ¹ n (ca. 1935): the national standard for traffic control devices on all roads open to public travel in the United States.

- Contains Standards and Guidelines for Traffic Control Devices
- Required for all Roadways Open to Public Travel – U.S. Code of Federal Regulations
- Essential to have nationwide consistency in traffic control standards

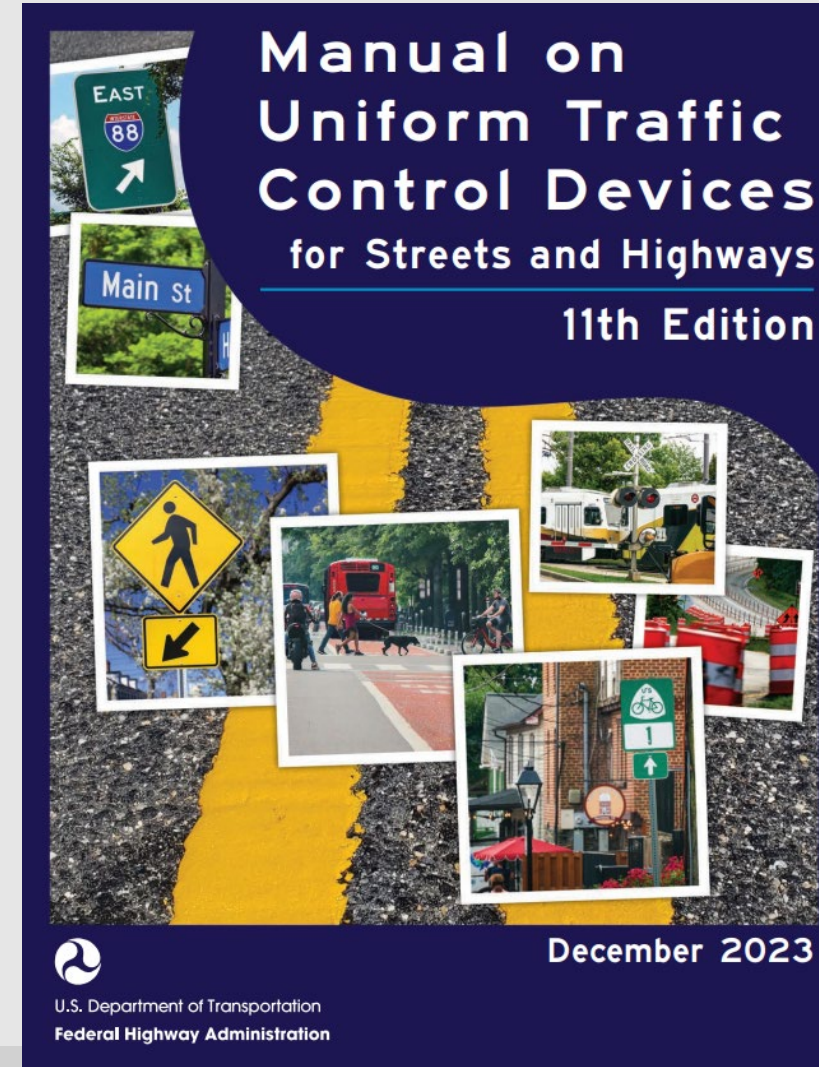


11th Edition of the MUTCD

- Wisconsin must adopt a state manual per State Statute 84.02(4).
- Local Units of Government must follow the manual, per State Statute 349.065
- Wisconsin Develops a State MUTCD (WMUTCD)



State Supplements and State MUTCDs must be in **Substantial Conformance** w/ the National MUTCD



Development of the WMUTCD

Why Wisconsin Develops a State MUTCD

- Combines State Specific Standards, Guidelines and Statutory references with the Federal MUTCD language.
- Provide additional supporting information.
- Utilizing two separate documents (MUTCD and Supplement) is cumbersome for the practitioner.
- WisDOT officially combined the supplement and 2009 MUTCD in 2017.



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Signal Warrants – Chapter 4C

Was Warrants **SHALL** be met, now warrants **SHOULD** be met

- Puts more emphasis on using engineering judgement to determine when a signal should be considered.
- Note: TEOpS Chapter 4 is being updated to keep warrants shall be met for signals on the state trunk highway system.



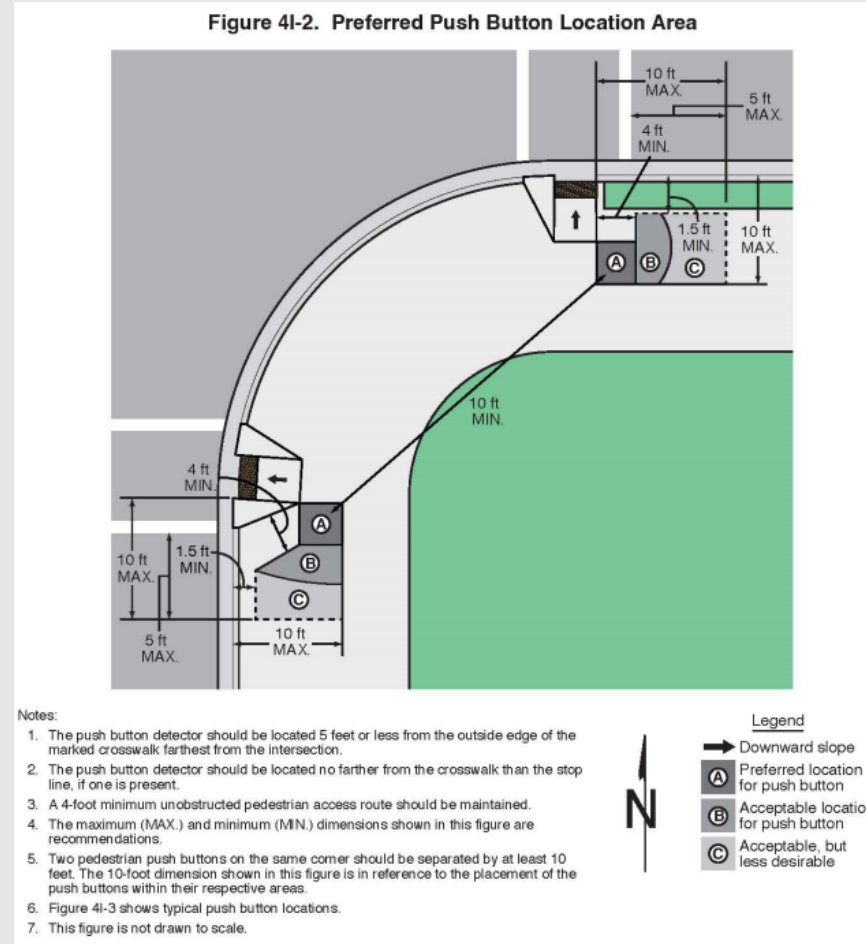
Pedestrian Control Features – Chapter 4I

Section 4I.05

- Additional guidance and figure for the placement of pedestrian push buttons



Pedestrian Control Features – Chapter 4I



Pedestrian Hybrid Beacons – Chapter 4J

Pedestrian hybrid beacons (PHB) allowed at intersections

- Previously, only allowed at mid-block crossings
- Stop signs **SHALL** be installed on the minor streets if PHB is at an intersection



Rectangular Rapid Flashing Beacons (RRFB) – Chapter 4L

New chapter describing operation and design of RRFB

- Previously, only supplemental guidance
- Includes recommended message for accessible pedestrian signals, “warning lights are flashing”



Rectangular Rapid Flashing Beacons (RRFB) – Chapter 4L

New chapter describing operation and design of RRFB

- RRFB layout at two-way stop-controlled intersections

