MUTCD 11th edition, 2023 UPDATES Local Roads Conference - 2024

Cliff Reuer
Technical Assistance Provider
SDLTAP
605-773-5108
605-209-8932
cliff.reuer@state.sd.us



1

3

MUTCD 11th Edition

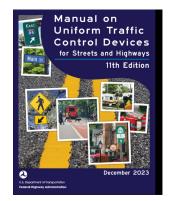
- Website:
 - -http://mutcd.fhwa.dot.gov
 - https://mutcd.fhwa.dot.gov/pdfs/11th Edition/mutcd11thedition.pdf

PURCHASE:

https://www.atssa.com/resource/mutcd-11th-edition/



MUTCD – 11th EDITION 2023



- National Standard
- Adopted December 19, 2023
- Effective January 18, 2024

South Dakota LTAP

2

Future Updates

MUTCD 11th Edition Overview

Development of the MUTCD 11th Edition (2/2)

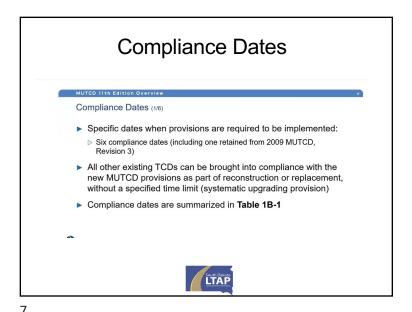
- ► The Infrastructure Investment and Jobs Act ¹ (IIJA, or "Bipartisan Infrastructure Law") set a minimum update cycle for the MUTCD of every 4 years
- More frequent updates allows the MUTCD to be more responsive to evolving trends and easier for States and practitioners

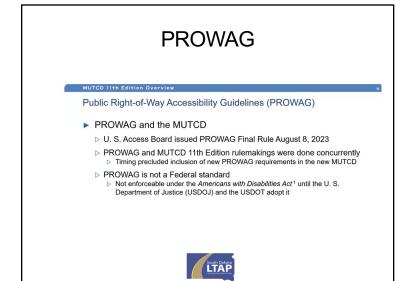




Substantial Conformance MUTCD 11th Edition Overview State Adoption and Substantial Conformance 2 3 CFR 655 Subpart F [655.603(b)] Federal Regulation: State and other Federal agency documents that address TCDs must be in substantial conformance with the national MUTCD Timeline: States and other Federal agencies shall adopt changes to the national MUTCD or its provisions within 2 years from the effective date of the final rule: By January 18, 2026, for the MUTCD 11th Edition

5





6

Compliance Dates – Table 1B-1

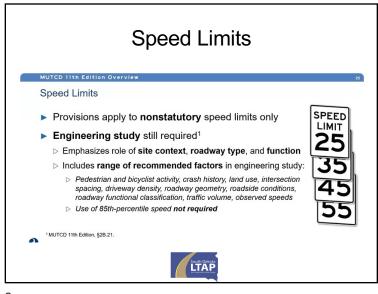
Table 1B-1. Target Compliance Dates Established by the FHWA

MUTCD Section(s)	Subject Area	Specific Provision	Compliance Date
2B.64	Weight Limit Signs	Paragraph 14 - requirement for additional Weight Limit sign with the advisory distance or directional legend in advance of applicable section of highway or structure	5 years from the effective da of this edition of the MUTCD
2C.25	Low Clearance Signs (W12-2)	Paragraph 1 - Required posting of the Low Clearance Advance (W12-2) sign in advance of the structure	5 years from the effective da of this edition of the MUTCD
2C.25	Low Clearance Signs (W12-2a, W12-2b)	Paragraph 8 - Recommended posting of Low Clearance Overhead (W12-2a or 12-2b) signs on an arch or other structure under which the clearance varies greatly	5 years from the effective da of this edition of the MUTCD
3A.05	Maintaining Minimum Retroreflectivity	Implementation and continued use of a method that is designed to maintain retroreflectivity of longitudinal pavement markings (see Paragraph 1 of Section 3A.05)	September 6, 2026
8B.16	High-Profile Grade Crossings	Paragraphs 3 and 7 - Recommended installation of Low Ground Clearance and/or Vehicle Exclusion signs and detour signs for vehicles with low ground clearances that might hang up on highprofile grade crossings at locations with a known history	5 years from the effective do of this edition of the MUTCE
8D.09 through 8D.12	Highway Traffic Signals at or Near Grade Crossings	Assessment and determination of appropriate treatment to achieve compliance (preemption, movement prohibition, pre-signals, queue cutter signals)	10 years from the effective date of this edition of the MUTCD

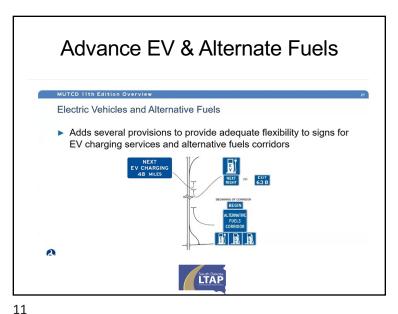
December 2023

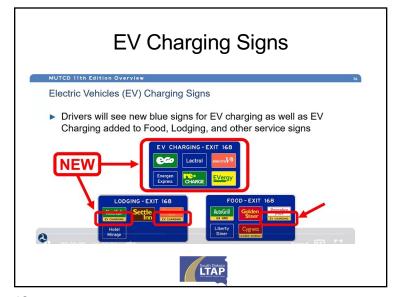
Sect. 1B.03

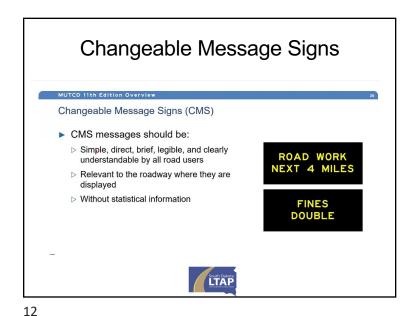




9

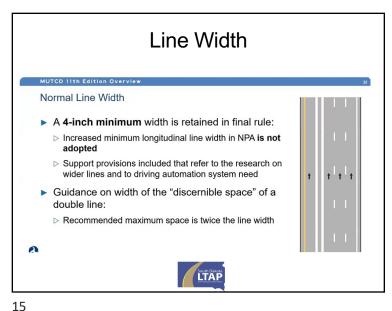




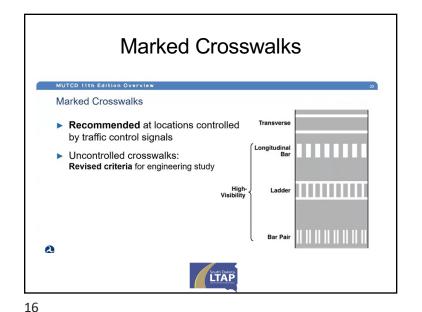


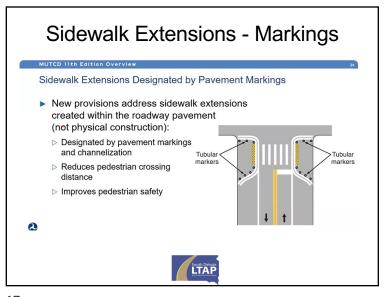


13



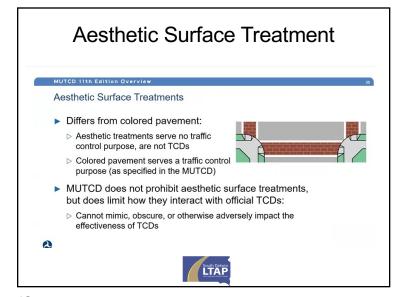
Colored Pavements MUTCD 11th Edition Overview **Colored Pavements** New colored pavements for special-purpose lanes without provisional approval: ■ GREEN—Bicycle lanes RED-Bus lanes PURPLE—Electronic toll collection-only South Dakota LTAP





17

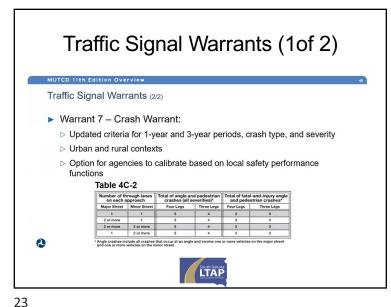




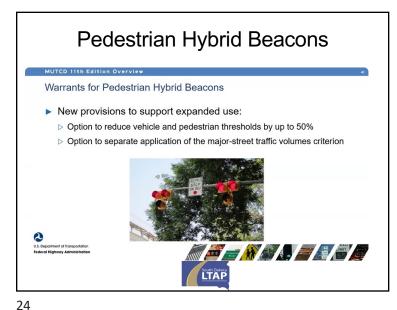


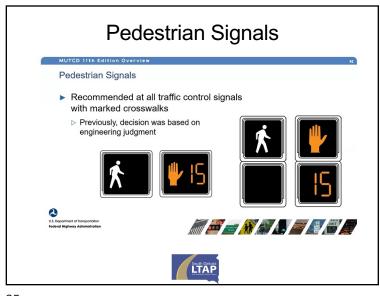
Accessibility (2of 2) MUTCD 11th Edition Overview Accessibility (2/2) ▶ Recommends, rather than provides an option for, APS at all pedestrian signals and pedestrian hybrid beacons (PHBs) ▶ Recommends AIDs at rectangular rapid-flashing beacons, pedestrian-actuated warning beacons, and in-roadway warning lights at crosswalks

21

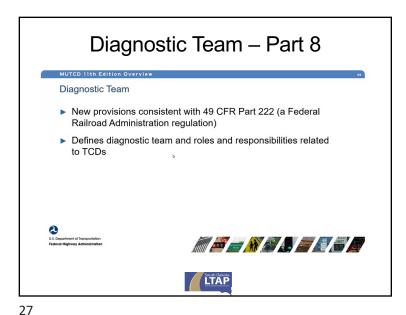


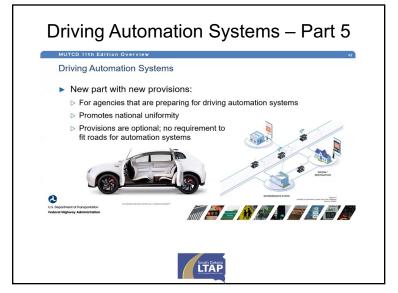
Traffic Signal Warrants (1of 2) MUTCD 11th Edition Overview Traffic Signal Warrants (1/2) ▶ Reinforces that other factors, beyond the warrants, be considered as part of the engineering study to justify installation of traffic control signals Agencies have more flexibility to consider other relevant factors in addition to reliance on the numerical warrant analysis alone South Dakota LTAP





25







REFERENCES:

- US Department of Transportation Federal Highway Administration
- http://mutcd.fhwa.dot.gov
- https://mutcd.fhwa.dot.gov/mutcd_news.htm
- Executive Summary and General Overview (March 6, 2024)



