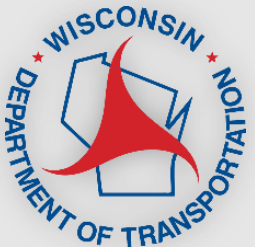# AASHTOWare Safety

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State Traffic Operations & Safety Engineer

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State Traffic Safety Engineer – Improvement Program

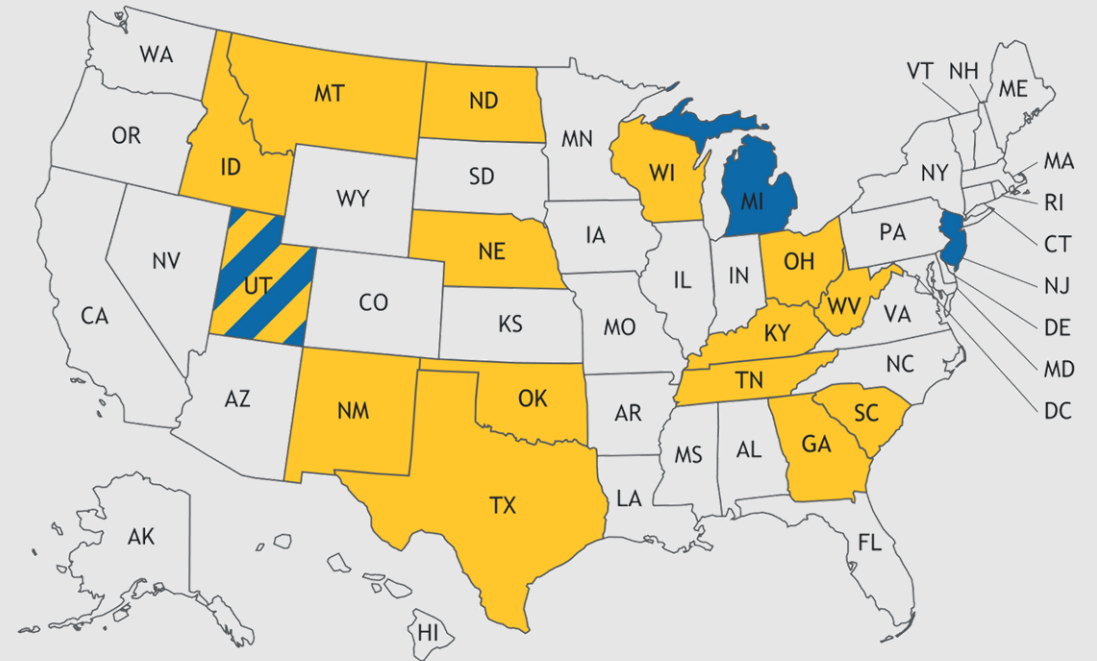Traffic Tech Talk

July 23, 2025

Agenda

- What is AASHTOWare Safety?
- What to expect and key changes
- Timeline and access
- Crash Query Application (10 minutes)
- Predictive Network Screening Application (5 minutes)
- Alternative Design Application (5 minutes)
- Questions

AASHTOWare Safety

- Integrates roadway, crash, and traffic volume data to support safety analyses

- Vision is to support the Highway Safety Manual and be adaptative to future editions or other efforts (Green Book)

- Supports
  - Crash queries
  - Crash dashboards / reporting statistics
  - Safety network screening
  - Alternatives analyses with economic evaluation (B/C)

State Partners

Customer Accounts

- 🟡 AASHTOWare Safety
- 🔵 Numetric

- **17 Partner Accounts**
- **Over 3.5 million roadway miles**
- **40.3% of all roads within the nation**

WisDOT comparable tools

AASHTOWare Applications	WisDOT
Crash Query	WisTransPortal Crash Data Retrieval Tool
Dashboards	Wisconsin Crash Facts / Year-End Stats
Network Screening (Segments)	Meta-Manager / WisTransPortal Safety Certification Mapping Tool
Network Screening (Intersections)	Intersection Network Screening Spreadsheet
Alternative Design	IHSDM / Spreadsheets

"There's an app for that"

What to expect?

- AASHTOWare Safety will be used primarily to support the Safety Certification Process (FDM 11-38) procedures:
  - Network Screening for Sites of Promise
  - Safety Evaluation and Economic Appraisal
- Tools will not significantly alter methodology or results
- Will not replace or eliminate the WisTransPortal Crash Data Retrieval and Report tools
  - Crash reports will not be stored in AASHTOWare, but will be linked and access restrictions will still apply

What to expect?

- Crash Data
  - Utilizing WisTransPortal data extracts & updated daily
  - DT4000 crash records (2017+)

- Licensing
  - No cost to individual users / consultant firms
  - Unlimited licenses to agencies within Wisconsin

- User Access
  - External users will receive temporary access to certain applications
  - Account request form will be required

Path to Implementation

- Crash Query (Fall 2024)

- Network Screening (Summer/Fall 2025)
  - Begin using similar methodology for segments and intersections
  - FDM Updates (August)

- Alternative Analysis (2026 - TBD)
  - Stop using IHSDM – project teams will switch over to AASHTOWare Safety
  - FDM Updates (TBD)

Training

- Anticipated external training opportunities late 2025 and 2026
  - Want to learn more?
    - Sign up: https://forms.office.com/g/gNJQmzZbHh
- Planning for more regular trainings once implemented

AASHTOWare Safety Notification

Application Overviews

Questions?

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