Texas
Traffic Records Assessment
Roadway System

Kathleen Haney| **June 10, 2025**

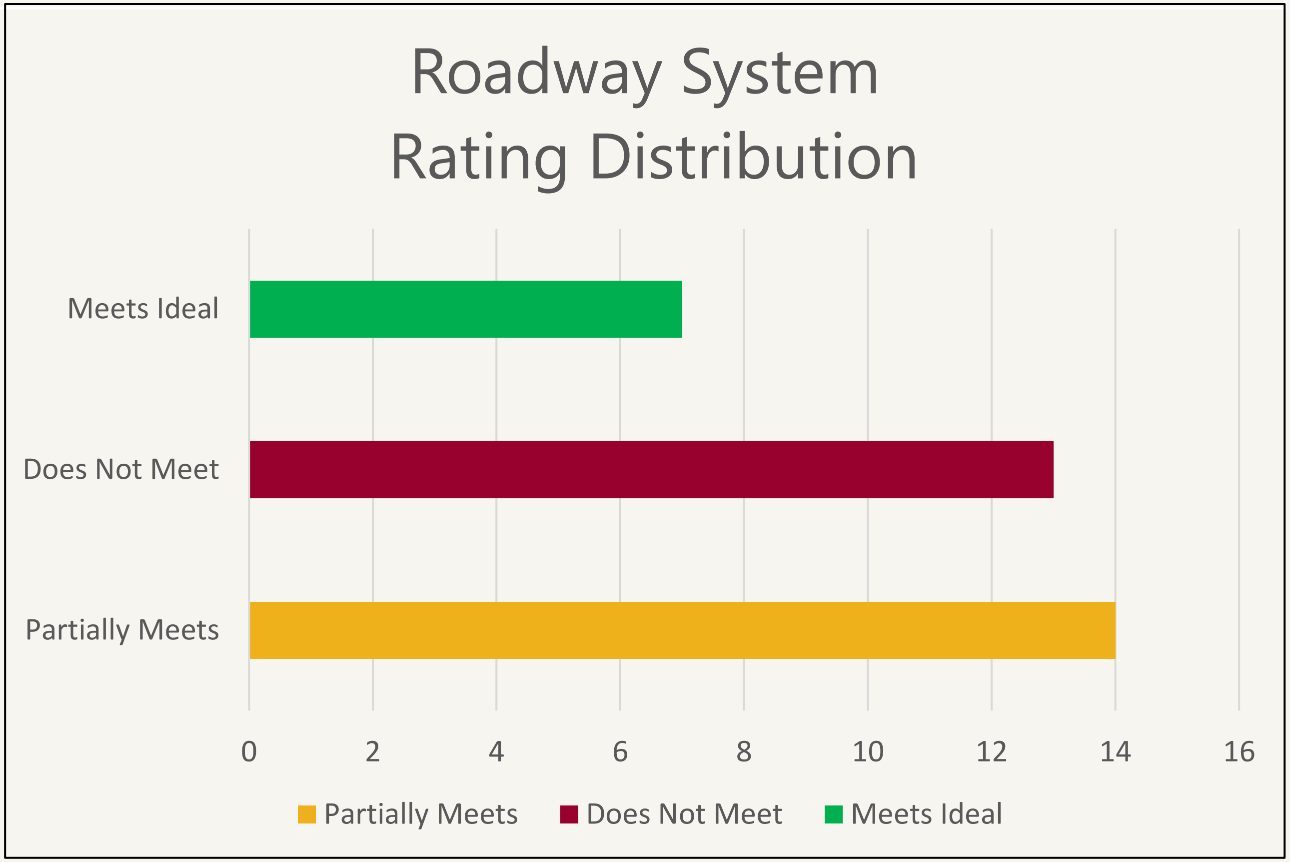
Report Out Briefing

Introduction

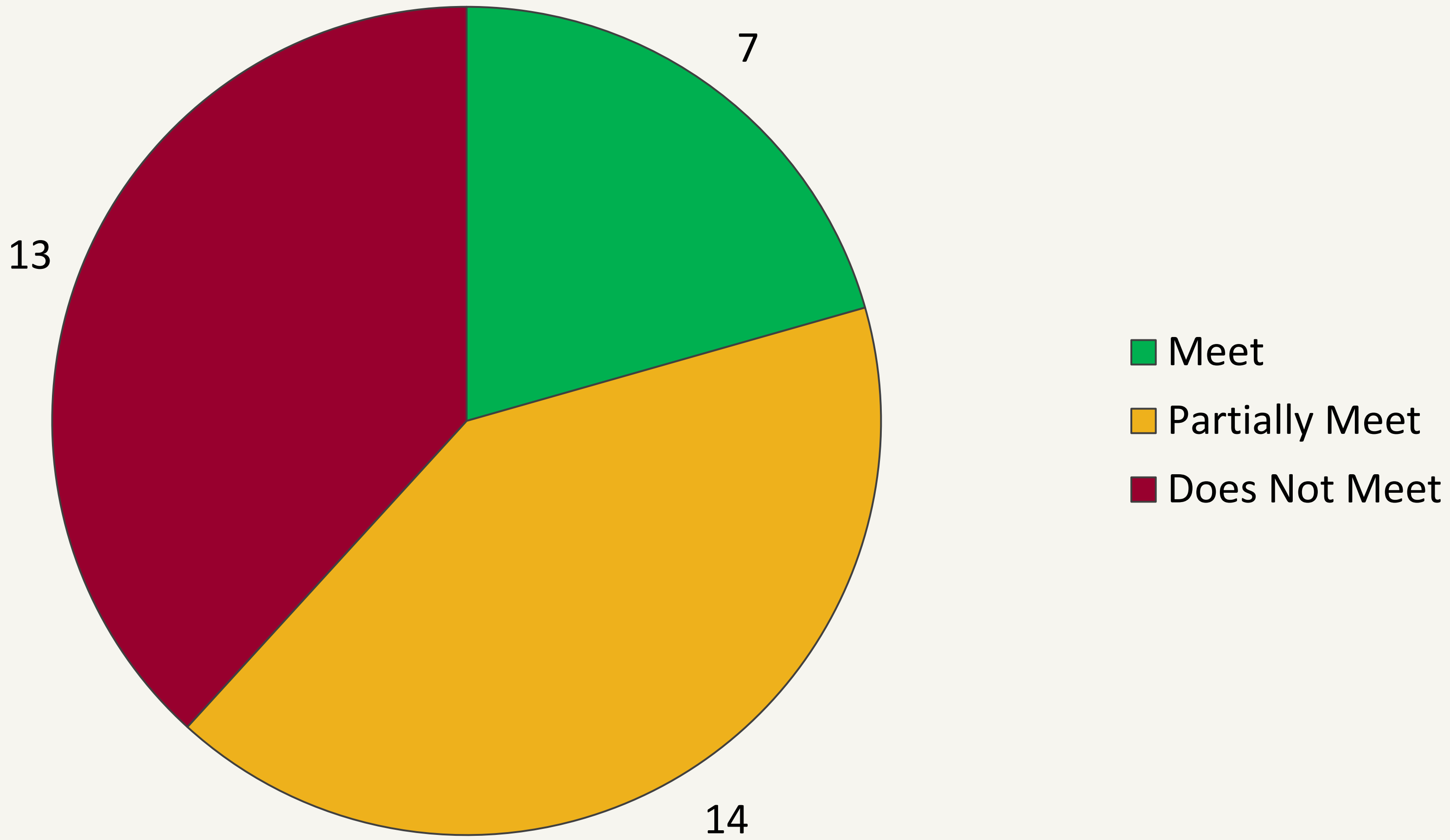
- TxDOT underwent a NHTSA *selective* assessment
    - TxDOT selected the Roadway data system as their selective assessment
- The assessors praised the attention to responses in Round 2
- The results speak favorably about the TxDOT Roadway system

Question Response Summary

Advisory Module	Questions	Responses
Roadway	34	34



Roadway



Assessment Ratings by Submodule

	Meets	Partially Meets	Does Not Meet
Roadway Data System			
Description and Contents of the Roadway Data System	2	1	2
Applicable Guidelines for the Roadway Data System		2	
Data Dictionary for the Roadway Data System		3	1
Procedures and Process Flows for the Roadway Data System	2	4	
Intrastate Roadway System Interface	2	1	2
Data Quality Control Programs for the Roadway Data System	1	3	8
Total	*7*	*14*	*13*

Texas Strengths

- Excellent job maintaining an enterprise roadway system inventory for its State-owned roadways.
- Both roadway features and traffic data elements are located using a compatible location referencing system, Distance from Origin (DFO).
- Recently expanded its MIRE data collection to include intersection-related FDEs through a new intersection inventory.

Texas Strengths

- The Geospatial Roadway Inventory Database (GRID) is the central system for maintaining roadway data.
  - Connects to traffic volume, bridge data, and pavement data.
- The approach to sharing quality control information with roadway data collectors is robust.
  - GRID editors training, StRAP Webex sessions, quarterly Teams meetings.

Roadway

Recommendations:

- Improve the data dictionary for the Roadway data system to reflect best practices identified in the Traffic Records Program Assessment Advisory.

- Improve the data quality control program for the Crash data system to reflect best practices identified in the Traffic Records Program Assessment Advisory.

Considerations:

- Evaluate and possibly expand the current ETL processes to support interfaces that automatically move data from discrete databases to the GRID database.

- Automate manual data and GRID data edits and consider including them in the criteria for appropriate performance measures.

Roadway

Considerations Continued:

- Develop a comprehensive data quality management program that supports establishing performance measures for the data quality attributes of timeliness, accuracy, completeness, uniformity, integration, and accessibility.
- Evaluate and expand the current county data collection and GRID submission/acceptance process to other local, municipal, or tribal sources of roadway data that are included in the statewide roadway database.
- Update the GRID Data Dictionary to specify which data elements are MIRE FDEs and any data elements collected by the State that might meet the MIRE description/standard.

Data Quality Resources

NHTSA's Traffic Records Data Quality Management Guide (DOT HS 813 544)

FHWA's Performance Measures for Roadway Inventory Data (FHWA-SA-12-036)

Training and Technical Assistance Programs

NEXT STEPS

Traffic Records Assessments

In comparing a State's traffic records system to the ideal outlined in the *Advisory*, assessments:

- **Identify strengths and challenge areas**
- **Rank questions to help prioritize investment**
- **Supply recommendations & considerations for improvement**

How do we move forward?

Next Steps

- Contact your NHTSA Regional Office about the necessary TRCC Strategic Plan updates required prior to next §405(c) grant application.

- Use the *Advisory* as a resource for developing, prioritizing, and executing new projects and programs.

- If desired, submit your application to your NHTSA Regional Office to apply for technical assistance to help with assessment recommendations or other traffic records initiatives identified by the TRCC.

Technical Assistance: GO Teams

State requests technical assistance on a specific TR issue

State, working with its RPM and the TR Team, prepares a request

NHTSA identifies GO Team members & sends to State

- Small-to-medium scope projects
- Number of GO Teams depends upon available resources
- GO Teams work ***with*** States to accomplish goals

Examples of Technical Assistance

- Strategic Planning
- Performance Measurement
- Data Integration

Becoming an Assessor

- **If you would like to be considered as an assessor for future assessments of other States' traffic records systems, please email Kathleen Haney and copy Beau Burdett.**
  - Kathleen Haney – khaney@vhb.com
  - Beau Burdett – beau.burdett@dot.gov

- **Please identify your areas of traffic records expertise and include a brief summary of your work experience.**

Thank You