

Roadway Data Improvement Program (RDIP)









The Roadway Data Improvement Program (RDIP) is designed to help transportation agencies improve the quality of their roadway data to better support safety and other transportation improvement initiatives. The RDIP, a component of FHWA's Roadway Safety Data Program (RSDP), focuses on the processes and practices used by agencies for collecting, managing, and utilizing their roadway data. To assist States with realizing the benefits of improved roadway data, the RDIP focuses on four key program areas:

- Roadway Data Collection and Technical Standards
- 2. Data Analysis Tools and Uses
- 3. Data Management and Governance
- 4. Data Sharing and Integration

An RDIP employs a technical assistance team (TAT) to provide an independent review of practices, policies, and procedures through three phases as illustrated below. The result of this review is a report that identifies current State practices dealing with critical issues and makes recommendations to help States improve their roadway and traffic data.



PRE-SITE VISIT

Before arriving onsite, the TAT obtains and analyzes information about roadway policies and practices:

- Data Dictionary
- Data Flow Charts
- Data Governance Policies
- Data Q & A Procedures
- Data Accessibility Policies
- Questionnaire
- Structures Database
- Pavement Management System
- Highway Performance Monitoring System

SITE VISIT

- The TAT conducts a workshop with multiple technology transfer sessions and prepares an initial report of findings.
- The TAT leaves a matrix of recommendations with the State at the end of the site visit.

POST-SITE VISIT

The TAT produces a full narrative report containing:

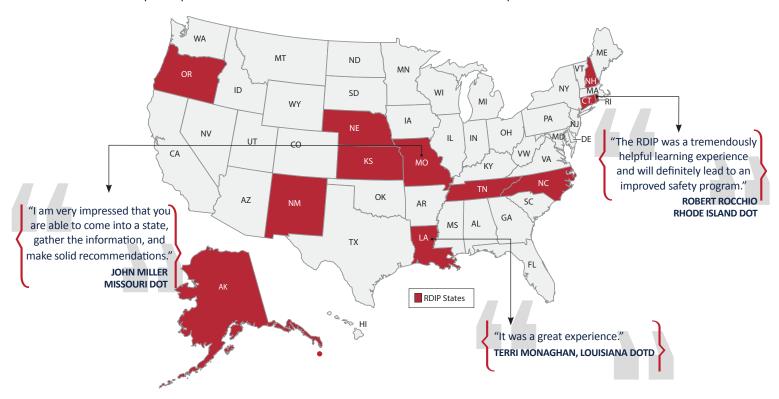
- Current status of the State's systems.
- Recommendations for improving the quality of the data in those systems.

BENEFITS TO PARTICIPATING IN RDIP

- 1. The RDIP brings relevant stakeholders together to identify critical needs and improve data collection practices.
- 2. The TAT provides a State with in-depth perspectives on roadway data practices—including some that may have been overlooked or never considered by the State.
- 3. The initial on-site report developed during the Site Visit phase documents findings and recommends specific improvements.
- 4. The RDIP recommendations are provided from subject matter expert's perspectives of current practices and procedures and are based on what other States have done to address similar problems.
- 5. The presentation of state-of-the-practice techniques for safety data analysis gives a State a comparison point for an internal review of its systems and recommendations for improvement.
- 6. The RDIP is ultimately intended to help each State improve its roadway data to develop its Strategic Highway Safety Plan (SHSP), which supports the State's Highway Safety Improvement Program (HSIP), and integrate this information with the other business functions of a State DOT.

RDIP IN ACTION

Twelve States have participated in the RDIP and received recommendations for improvement.



For information on receiving RDIP technical assistance, contact Robert Pollack at (202) 366-5019 or Robert.Pollack@dot.gov.

For more information about RDIP, visit: http://safety.fhwa.dot.gov/rsdp/rdip.aspx.

