
NEVADA

Traffic Records Strategic Plan

June 13, 2024



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Acknowledgments

The completion of the TRCC Strategic Plan would not be possible without the contributions of the dedicated multi-disciplinary stakeholders. Thank you for your dedication to traffic record system improvements and the vision of the strategic plan.

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1. Introduction

1.1 Background of the Traffic Records Strategic Plan

Traffic records are a key component in the effort to improve the safety of a state's transportation system by allowing for the analysis of crash data to support the identification, deployment, and evaluation of traffic safety countermeasures.

Per 23 CFR 1300.22 *State Traffic Safety Information System Improvements Grants*, states shall submit a Traffic Records Strategic Plan, approved by the Traffic Records Coordinating Committee (TRCC) to qualify for Section 405c funding, that:

- Describes specific, quantifiable, and measurable improvements that are anticipated in the State's core safety databases, including crash, citation or adjudication, driver, emergency medical services or injury surveillance system, roadway, and vehicle databases.
- Includes a list of all recommendations from its most recent highway safety data and traffic records system assessment.
- Identifies which recommendations the State intends to address in the fiscal year, the projects in the Highway Safety Plan (HSP) that implement each recommendation, and the performance measures to be used to demonstrate quantifiable and measurable progress.
- Identifies which recommendations the State does not intend to address in the fiscal year and explains the reason for not implementing the recommendations.
- Demonstrates a quantitative improvement in the data attribute of accuracy, completeness, timeliness, uniformity, accessibility, or integration of a core database by providing written performance measures in the preceding 12 months of the application due date in relation to one or more of the significant data program attributes.

The strategic plan development process began with defining needs and establishing the vision and mission. Goals, objectives, and potential projects were developed based on the needs, vision and mission. Prioritized projects were incorporated into the plan, including performance measures and funding. The strategic planning process is illustrated in **Figure 1**.

Figure 1. Strategic Planning Process



1.2 Organization of the Traffic Records Strategic Plan

The Traffic Records Strategic Plan is organized into the following six sections:

Traffic Records System Overview

This section provides a brief overview of each of the state traffic records systems (e.g., crash system) and includes any details regarding their integration with other data sets.

TRCC Background

This section covers Nevada's TRCC's history, governance, and membership.

Traffic Records Strategic Approach

This section covers the needs, vision, mission, and goals for Nevada's traffic records system. This section details the recommendations from the 2021 Traffic Records Assessment and Nevada's updated planned responses. Statewide data quality performance measures are also included.

Traffic Records Projects

This section describes the project prioritization process and provides information on all projects included in the Traffic Records Strategic Plan. A summary template is provided for each statewide goal that displays corresponding objectives, projects, and recommendations.

Data Quality Management

This section provides an overview of the statewide performance measures and metrics that the TRCC will use to monitor data quality improvement. A table is included to display the relationship between the data quality attributes and core data systems with established performance measures, metrics, goals, and objectives.

Commitment to the Strategic Plan

This section describes Nevada's commitment to the Traffic Records Strategic Plan and describes the processes used to implement the plan.

2. Traffic Records System Overview

The Traffic Records System includes the following six primary data components:

1. Crash (C)
2. Driver (D)
3. Vehicle (V)
4. Roadway (R)
5. Citation/Adjudication (C/A)
6. Injury Surveillance (I)

The following subsections provide contact information and an overview of these data components.

2.1 Crash

Nevada Department of Transportation

Contact: Matt Williams, Transportation Analyst, Traffic Safety Engineering Division

NDOT manages the Nevada crash records database. The data includes crash level information from all law enforcement agencies across the state, to include scene and roadway information, driver and person information, and vehicle information.

2.2 Driver

Nevada Department of Motor Vehicles

Contact: Brenda Witt, Manager I, Central Services Division

The Nevada DMV maintains the driver database for the state.

2.3 Vehicle

Nevada Department of Motor Vehicles

Contact: Natasha LaVelle, Services Technician 4, Central Services Division

The Nevada DMV maintains the vehicle database for the state.

2.4 Roadway

Nevada Department of Transportation

Contact: Casey Smith, Assistant Chief, Roadway Systems

Check website (NDOT)

At the State level, NDOT Roadway Systems is responsible for the maintenance of the road inventory, administration of the milepost program, and collection of roadway images.

2.5 Citation/Adjudication

Office of Traffic Safety/Administrative Office of the Courts

Contact: Kevin Tice, Traffic Records Program Manager, Office of Traffic Safety

Contact: Amber Putz, Administrative Office of the Courts

Citation data is collected through the Enforcement Mobile (Brazos) Software, which is deployed to all law enforcement agencies in the state and managed by the Office of Traffic Safety.

Adjudication data is the responsibility of the Administrative Office of the Courts (AOC).

2.6 Injury Surveillance

Kerkorian School of Medicine at UNLV

Contact: Noe Antolin, Grants and Research Director

The injury surveillance system tracks the frequency, severity, and nature of injuries sustained in motor vehicle crashes; enables the integration of injury data with the crash data; and makes this information available for analysis that supports research, prevention, problem identification, policy-level decision-making, and efficient resource allocation.

Road user trauma registry data is provided by Nevada's four (4) American College of Surgeons (ACS) approved trauma centers. Trauma data includes hospital outcomes (e.g., injury severity, length of stay, hospital charges, disposition, etc.) for individuals injured on roads and admitted to a Nevada trauma center.

Emergency Medical Services data in Nevada is included in the National Emergency Medical Services Information System (NEMSIS) national database. Nevada's Department of Health and Human Services Department (DHHS) is the owner of the data.

Nevada statewide hospital discharge data for individuals injured as a road user is provided by UNLV's Center for Health Information Analysis. This data set includes road users admitted for trauma, emergency medicine, elective services, and urgent care treatment in Nevada.

3. TRCC Background

3.1 TRCC Governance

Traffic Records Committee Structure:

The Traffic Records Committee is established with a Technical Level, referred to as the Traffic Records Coordinating Committee (TRCC).

Traffic Records Coordinating Committee Authority:

The Traffic Records Coordinating Committee is established by the TRCC Charter and By-laws (included as an appendix to this document). By-laws can be changed by the membership of the TRCC. Any changes, additions or deletions to the By-laws must be presented in writing to all current TRCC members a minimum of seven (7) days before voting is scheduled. Changes, additions or deletions to the By-laws must be approved by two-thirds (2/3) of the voting members present.

- The TRCC's primary authority is to complete projects for the integration and enhancement of the Highway Safety Information Systems in Nevada.
- Each member of the TRCC shall serve at the discretion of their respective agency.
- Members shall receive no compensation, other than that received in the performance of their assigned duties.
- The TRCC shall elect a chair and vice-chair.
- The chair shall serve for a period of two years, with election in even number years. In the event the position is vacant, election will occur during the next TRCC meeting.
- The vice-chair shall serve for a period of two years and will be elected in odd number years. In the event the position is vacant, election will occur during the next TRCC meeting.
- Elections shall be held annually at the regular TRCC meeting scheduled prior to and closest to the month of June, with the office holder chosen by a majority vote of the TRCC member agencies present at the meeting, and the office assumed on July 1.
- The chair shall be responsible for calling meetings of the committee, notifying members, preparing and posting meeting agendas, and maintaining meeting records.
- The chair shall speak for and on behalf of committee and committee members on all inquiries presented to the committee and committee members on matters relating to committee business.
- The chair shall disseminate information on Highway Safety Information Systems to all members of the committee.
- The Department of Public Safety – Office of Traffic Safety Traffic Records Program Manager shall provide staff support to the chair and the TRCC and serve as TRCC coordinator unless this effort is designated to a consultant.

3.2 TRCC Membership

The TRCC has an active, multidisciplinary membership that includes owners, operators, collectors and users of traffic records and public health and injury control data systems, highway safety, highway infrastructure, law enforcement, adjudication officials, public health, emergency medical service, injury control, driver licensing, and motor carrier agencies and organizations. A vendor or contractor providing services to a TRCC member agency is disqualified from being a member of the TRCC. A TRCC member agency receiving a grant from the Office of Traffic Safety, Department of Transportation or other public entity does not qualify as a “vendor” for purposes of membership.

The Nevada Traffic Records Coordinating Committee (TRCC) membership is comprised of owners, operators, collectors, and users of Nevada’s six traffic records data systems as shown in **Table 1**. At least one member represents each of the following core safety databases: (C) Crash; (D) Driver; (V) Vehicle; (R) Roadway; (C/A) Citation/Adjudication; and (I) Injury Surveillance System.

Subcommittees

Enforcement Mobile (formerly Brazos) Working Group

Table 1. TRCC Membership

| Name | Title | Agency | System |
|--------------------------|---|---|--------|
| Kevin Tice | Traffic Records Program Manager | DPS-OTS | C, C/A |
| Matt Williams | Transportation Analyst | NDOT | C, R |
| Brenda Witt | Manager | DMV | D, V |
| Casey Smith | Assistant Chief | NDOT | C, R |
| Amber Putz | Court Clerk | Administrative Office of the Courts | C/A |
| Noehealani Antolin | Grants and Research Director | UNLV | C, I |
| Adam Anderson | FARS Analyst | DPS-OTS | C |
| Cristian Arteaga Sanchez | Postdoctoral Scholar | University of Nevada Las Vegas | C/A |
| Sergio Avila | Public Relations Specialist | AAA Nevada | C |
| Kyle Bacon | Video/LiDAR & Field Services Manager | NDOT | C, R |
| Juan Balbuena-Merle | Safety, Operations & ITS Engineer | FHWA | C, R |
| Andrew Bennett | Director | Clark County Office of Traffic Safety | C, C/A |
| Adam Blount | Officer | Reno Police Department | C, C/A |
| Mike Bologlu | EMS Representative II | Nevada Division of Public and Behavioral Health | I |
| Amanda Brandenburg | Vulnerable Road User Program Manager | DPS-OTS | C |
| Erin Breen | Director, Road Equity Alliance Project | UNLV Transportation Research Center | C |
| Sheri Brueggemann | Deputy Director | DPS-OTS | C |
| Shannon Bryant | Deputy D.A. 4 and Nevada Traffic Safety Resource Prosecutor | Washoe County District Attorney's Office | C, C/A |
| Matt Cambron | Motorcycle Safety (Las Vegas) | DPS-OTS | C |
| Mike Colety | Project Manager | Kimley-Horn | C, R |
| Seth Daniels | Assistant Chief Traffic Operations Engineer | NDOT | C |
| Amy Davey | Division Administrator/Highway Safety Coordinator | DPS-OTS | C |
| Alison Day | DMV Services Technician | DMV | D, V |
| Delora Early | DMV Services Technician | DMV | D, V |
| Dawn Emmons | DMV Services Supervisor | DMV | D, V |
| Mohammad Farhan | Principal Transportation Planner | RTC of Southern Nevada | C, R |
| Gina Featherstone | Certified Health Education Specialist | Reno Sparks Indian Colony | I |
| Joseph (Pat) Gallagher | Project Manager | Parsons | C/A |

Table 1. TRCC Membership (Continued)

| Name | Title | Agency | System |
|------------------------|---|---|-----------|
| Kimberly Goodwin | Assistant Chief Traffic Safety Engineer | NDOT | C, R |
| Patrick Grimes | CFO & COO | The National Judicial College | C/A |
| Danielle Hafeman | Ignition Interlock Program Coordinator | DPS-OTS | C |
| Brenda Hahn | Regional Program Manager | National Highway Traffic Safety Administration (NHTSA) | C, R |
| Todd Hartline | Law Enforcement Liaison | DPS-OTS | C/A |
| Victoria Hauan | Administrator | Nevada Department of Public Safety Office of Criminal Justice | C/A |
| Anabel Hernandez | Project Engineer | Kimley-Horn | C, R |
| Kevin Honea | Major | Nevada Department of Public Safety Highway Patrol | C/A |
| Rob Honea | Law Enforcement Liaison | Nevada Department of Public Safety Office of Traffic Safety | C/A |
| Hans Jessup | Research and Statistics Coordinator | Supreme Court of Nevada | C/A |
| Baillie Keach | Professional Engineer | Nevada Department of Transportation | C, R |
| Michael Kendrick | Traffic Officer | Las Vegas Metropolitan Police Department | C/A |
| Carrie Krupp | Joining Forces Program Manager | DPS-OTS | C |
| Dr. Deborah Kuhls | Professor | Kirk Kerkorian School of Medicine at UNLV | C, I |
| Natasha LaVelle | DMV Services Technician | DMV | D, V |
| Rachel Marchetti | NTR and ESAR-VHP Manager | Department of Health and Human Services | I |
| Judith Mata | Child Passenger Safety/Outreach Coordinator | DPS-OTS | C |
| Meg Matta | Impaired Driving Program Manager | DPS-OTS | C |
| Bertille Mavegam Tango | Project Manager | UNLV | I |
| Justin McDonald | Motorcycle Program Administrator | DPS-OTS | C |
| Michael Montero | Nevada Judicial Outreach Liaison | Sixth Judicial District Court | C/A |
| Johnean Morrison | Occupant Protection Program Manager | DPS-OTS | C |
| Kara Mueller | Regional Program Manager Region 8 | NHTSA | C, R |
| Shashi Nambisan | Director, Transportation Research Center | UNLV Transportation Research Center | C, C/A, R |
| Nick Nordyke | Zero Teen Fatalities Program Manager | DPS-OTS | C, R |
| Jay Park | Assistant Professor | UNLV | C |
| J Patton | Lieutenant | City of Sparks Police Department | C/A |
| Anita Pepper | Public Information Officer | DPS-OTS | C |
| Jose Perez | Admin Sergeant | Fallon Police Department | C/A |
| Bill Porter | Database Programmer | Kirk Kerkorian School of Medicine at UNLV | I |

Table 1. TRCC Membership (Continued)

| Name | Title | Agency | System |
|-----------------|---|-------------------------------|--------|
| Doreen Rigsby | CPM Manager II | DMV | D, V |
| John Riley | Sergeant | Fallon Police Department | C/A |
| Sean Robinson | Assistant City Traffic Engineer | City of Las Vegas | C, R |
| Susan Robinson | Director of Advancement | The National Judicial College | C/A |
| Lindsay Saner | Project Engineer | Kimley-Horn | C, R |
| Casey Smith | Roadway Systems Assistant Chief | NDOT | C, R |
| Doreen Rigsby | CPM Manager II | DMV | D, V |
| John Riley | Sergeant | Fallon Police Department | C/A |
| Kim Smith | Public Information Officer | DPS-OTS | C |
| Scott Swain | Law Enforcement Liaison | DPS-OTS | C/A |
| Genevieve Swain | Nevada eGrants System Project Coordinator | DPS-OTS | C |
| Jodi Swirczek | Transportation Planner/Analyst | NDOT | C, R |
| Shara Thiesen | Transportation Planner/Analyst | NDOT | C, R |
| Lacey Tisler | Chief Traffic Safety Engineering | NDOT | C, R |
| Peter Vander Aa | Deputy Division Administrator | DPS-OTS | C |
| Ron Wenger | Captain | Fallon Police Department | C/A |
| Timber Wood | Associate Engineer- | NDOT | C, R |
| Hao Xu | Associate Professor | University of Nevada Reno | C, R |

4. Traffic Records Strategic Approach

The Traffic Records Strategic Plan supports a formal approach for system improvements for Nevada's Traffic Records by identifying goals, objectives, and projects to implement the recommendations from the 2021 State of Nevada Traffic Records Assessment.

This section includes the vision, mission, goals, and objectives for the Traffic Records Strategic Plan.

Traffic Records Strategic Plan Vision

Traffic safety professionals use linked traffic safety data to pinpoint specific traffic safety issues and associated strategies to eliminate all fatal and serious injuries on Nevada's roadways.

Traffic Records Strategic Plan Mission

To improve the use of relevant traffic records in support of the strategic implementation of traffic safety strategies for the elimination of deaths and serious injuries on Nevada's roadways so everyone arrives home safely.

Traffic Records Strategic Plan Goals

In support of Nevada's Strategic Highway Safety Plan (SHSP) and the HSP, this strategic plan specifies how Nevada's traffic safety partners will improve the six primary data quality attributes (Timeliness, Accuracy, Completeness, Uniformity, Integration, and Accessibility) for the six primary data components (Crash, Driver, Vehicle, Roadway, Citation/Adjudication, and Injury Surveillance) in order to more effectively target strategies that reduce serious injuries and traffic fatalities towards Nevada's Zero Fatalities Goal.

The Traffic Records Strategic Plan Goals and Objectives are as follows:

- For all agencies in Nevada that issue crashes and citations to effectively use electronic collection and reporting in the Enforcement Mobile system.
 - Objective: Increase the number of agencies using e-crash and/or e-citation.
 - Objective: Increase the percent of crash records that include race/ethnicity, if arrested, and if searched what was found.
- To improve the quality of data within the Crash Data System.
 - Objective: Improve the uniformity of the Crash Data System.
- For crash data to be effectively used for data-driven decisions.
 - Objective: Improve the timeliness of the Crash Data System.
 - Objective: Improve the accuracy of the geolocation of the crash data.
- For crash data to be able to be analyzed using linked Roadway Data.
 - Objective: Increase the number of Data Elements in the Roadway Data File.
- For trauma data to be able to be linked to crash data and analyzed to support safety initiatives.
 - Objective: Increase the linkage of trauma records that are linked to crash records.
- To improve the availability and use of citation and adjudication data.
 - Objective: Determine best practices to apply in Nevada to improve the availability and use of citation and adjudication data.

2021 Traffic Records Assessment Recommendations

The 2021 Traffic Records Self-Assessment resulted in recommendations for the following categories:

- Crash Data System
- Driver Data System
- Vehicle Data System
- Roadway Data System
- Citation/Adjudication
- Injury Surveillance

The list of all recommendations from the 2021 Assessment for Nevada and whether the recommendation is planned to be addressed this year or not is shown below. There is additional information regarding each recommendation following the list.

| | Does State Intend to Address? |
|--|--------------------------------------|
| Crash Recommendations | |
| 1. Improve the interfaces with the Crash data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| 2. Improve the data quality control program for the Crash data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| Driver Recommendations | |
| 1. Improve the data dictionary for the Driver data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Not in this fiscal year |
| 2. Improve the data quality control program for the Driver data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Not in this fiscal year |
| Vehicle Recommendations | |
| 1. Improve the procedures/process flows for the vehicle data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Not in this fiscal year |
| 2. Improve the data quality control program for the Vehicle data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Not in this fiscal year |
| Roadway Recommendations | |
| 1. Improve the procedures/process flows for the Roadway data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| 2. Improve the data quality control program for the Roadway data system that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |

Citation and Adjudication Recommendations

- | | |
|--|-------------------------|
| 1. Improve the applicable guidelines for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| 2. Improve the data dictionary for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Not in this fiscal year |
| 3. Improve the procedures/ process flows for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| 4. Improve the data quality control program for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |

Injury Surveillance Recommendations

- | | |
|--|-----|
| 1. Improve the description and contents of the Injury Surveillance systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| 2. Improve the interfaces with the Injury Surveillance systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
| 3. Improve the data quality control program for the Injury Surveillance systems that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |

Data Use & Integration Recommendations

- | | |
|--|-----|
| 1. Improve the traffic records systems capacity to integrate data that reflect best practices identified in the Traffic Records Program Assessment Advisory. | Yes |
|--|-----|

The recommendations, status, and supporting activities are provided in the following subsections.

Crash Data System Recommendations from 2021 Assessment

1. Improve the interfaces with the Crash data system that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

NDOT and OTS are leading numerous projects to improve the interfaces with the Crash Data System with the primary focus of increasing the number of agencies using the Enforcement Mobile system, improving the completeness of geolocation data for crashes and the timeliness of getting the crashes into the database.

Supporting Activities

Project Title or Activity Description: Tyler Technologies Enforcement Mobile Software System, which will continue the maintenance of the Enforcement Mobile system and expand capabilities including improving geolocation capabilities within the electronic reporting system by law enforcement officers and updating Form 5 to meet the Model Minimum Uniform Crash Criteria (MMUCC) 6th Edition.

Included in Highway Safety Plan: Yes, Project ID: TBD

Project Title or Activity Description: Enforcement Mobile (Brazos) Interface and Equipment, which provides support to partner agencies on the use of the Crash Data System.

Included in Highway Safety Plan: Yes, Project ID: TBD

Project Title or Activity Description: Additional Tablets and Wireless Printers

Included in Highway Safety Plan: Yes, Project ID: TBD

2. Improve the data quality control program for the Crash Data System that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

NDOT and OTS are leading numerous projects to improve the data quality within the crash data system.

Supporting Activities

Project Title or Activity Description: Provide training of law enforcement officers on crash investigation and data entry.

Included in Highway Safety Plan: Yes, Project ID: TBD

Project Title or Activity Description: Research best practices for improving the completeness and/or accuracy of crash data.

Included in Highway Safety Plan: Yes, Project ID: TBD

Driver Data System Recommendations from 2021 Assessment

1. Improve the data dictionary for the Driver Data System that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

This recommendation is not planned to be addressed this fiscal year due to the current goals and objectives that are focused on improving the crash data, roadway, and injury surveillance systems. There are current activities to improve coordination with the DMV and put Nevada in position to address this recommendation in the future.

2. Improve the data quality control program for the Driver data system that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

This recommendation is not planned to be addressed this fiscal year due to the current goals and objectives that are focused on improving the Crash, Roadway, and Injury Surveillance Systems. There are current activities to improve coordination with the DMV and put Nevada in position to address this recommendation in the future.

Vehicle Data System Recommendations from 2021 Assessment

1. Improve the procedures/process flows for the Vehicle data system that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

This recommendation is not planned to be addressed this fiscal year due to the current goals and objectives that are focused on improving the crash data, roadway, and injury surveillance systems. There are current activities to improve coordination with the DMV and put Nevada in position to address this recommendation in the future.

2. Improve the data quality control program for the Vehicle data system that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

This recommendation is not planned to be addressed this fiscal year due to the current goals and objectives that are focused on improving the crash data, roadway, and injury surveillance systems. There are current activities to improve coordination with the DMV and put Nevada in position to address this recommendation in the future.

Roadway Data System Recommendations from 2021 Assessment

1. Improve the procedures/process flows for the Roadway data system that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

NDOT has made progress on improving the roadway data system to include more MIRE elements.

Supporting Activities

Project Title or Activity Description: NDOT Roadway Systems MIRE Data Collection, which is an ongoing effort by NDOT's Roadway Systems and Traffic Safety Engineering Sections. Included in Highway Safety Plan: No (NDOT funded)

2. Improve the data quality control program for the Roadway data system that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

The status and supporting activities for this data quality control program for the Roadway data system are the same as for Roadway data system recommendation number 1.

Citation and Adjudication Systems Recommendations from 2021 Assessment

1. Improve the applicable guidelines for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

OTS is leading the efforts to improve the interfaces with the citation data system with the primary focus of improving the availability of citation and adjudication data.

Supporting Activities

Project Title or Activity Description: Tyler Technologies Enforcement Mobile (Brazos) Software System, which will continue the maintenance of the Enforcement Mobile system and expand capabilities of the system related to citations.

Included in Highway Safety Plan: Yes, Project ID: TBD

2. Improve the data dictionary for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

This recommendation is not planned to be addressed this fiscal year due to the current goals and objectives that are focused on improving the crash data, roadway, and injury surveillance systems. There are current activities to improve coordination with the DMV and put Nevada in position to address this recommendation in the future.

3. Improve the procedures/process flows for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

OTS is leading the efforts to improve the procedures/process flows for the Citation and Adjudication systems.

Supporting Activities

Project Title or Activity Description: Complete a review of best practices and provide recommendations to integrate adjudication, citation, and enforcement data sets aimed to enhance safety of road users.

Included in Highway Safety Plan: Yes, Project ID: TS-2025-UNLV-78

4. Improve the data quality control program for the Citation and Adjudication systems that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Status

The status and supporting activities for this recommendation are the same as those described for recommendations numbers one and three.

Injury Surveillance System Recommendations from 2021 Assessment

1. Improve the description and contents of the Injury Surveillance systems that reflect best practice identified in the Traffic Records Program Assessment Advisory.

Status

NDOT is leading the effort to improve the roadway data system through a contract with the University of Nevada, Las Vegas School of Medicine.

Supporting Activities

Project Title or Activity Description: UNLV Nevada Road Users Linked Database Research, which includes efforts to improve the linkage of trauma data with crash data and to complete data analysis supporting traffic safety in Nevada.

Included in Highway Safety Plan: No (NDOT funded)

2. Improve the interfaces with the Injury Surveillance systems that reflect best practice identified in the Traffic Records Program Assessment Advisory.

Status

The status and supporting activities for this recommendation are the same as those described for recommendations number one.

3. Improve the data quality control program for the Injury Surveillance systems that reflect best practice identified in the Traffic Records Program Assessment Advisory.

Status

The status and supporting activities for this recommendation are the same as those described for recommendations number one.

Data Use and Integration Recommendations from 2021 Assessment

1. Improve the traffic records systems capacity to integrate data that reflect best practice identified in the Traffic Records Program Assessment Advisory.

Status

NDOT is leading efforts to improve the traffic records systems capacity to integrate data that reflect best practices identified in the Traffic Records Program Assessment Advisory.

Supporting Activities

Project Title or Activity Description: NDOT IT Traffic Records Database Assessment, which evaluates options to integrate data in a common database.

Included in Highway Safety Plan: No (NDOT funded)

4.1 Traffic Records System Performance

This section demonstrates the annual progress for at least one of the data quality performance areas (timeliness, accuracy, completeness, uniformity, integration, accessibility). The performance measure highlighted in this section covers completeness as it relates to the percentage of crash records that include race/ethnicity. The following table describes the performance measure addressing the quantitative progress requirement made from the base period (12 months) to the progress period (12 months).

Performance Measure 1: Traffic Records Core Database Improvement

| Core Traffic Records Systems | |
|--|---|
| <input type="checkbox"/> Crash <input type="checkbox"/> Driver <input type="checkbox"/> Vehicle <input type="checkbox"/> Roadway <input checked="" type="checkbox"/> Citation/Adjudication <input type="checkbox"/> Injury Surveillance | |
| Data Quality Performance Attributes | |
| <input type="checkbox"/> Timeliness <input type="checkbox"/> Accuracy <input checked="" type="checkbox"/> Completeness <input type="checkbox"/> Uniformity <input type="checkbox"/> Data Integration <input type="checkbox"/> Accessibility | |
| Performance Measure to Track Improvement | |
| Percentage of crash records that include race/ ethnicity. | |
| Performance Measure Improvement Achieved | |
| Nevada utilizes a single citation and crash database, accessed by all law enforcement agencies, to issue, investigate, collect, and report citation and crash data. As of January 1, 2023, race and ethnicity are collected for traffic stops. An increase of 0.91% was achieved in the collection of valid race information for crash records and a 0.07% increase was achieved in the collection of valid ethnicity information for crash records. | |
| Measurement Technique | |
| The number and percent increase of citations recorded in Enforcement Mobile with a valid race and ethnicity category by LVMPD. | |
| Date and Values for Progress Achievement | |
| Baseline Period April 1, 2022 – March 31, 2023 | Progress Period April 1, 2023 – March 31, 2024 |
| Number of citations with valid race: 402,196 (99.02%) | Number of citations with valid race: 391,117 (99.92%) – 0.91% increase |
| Number of citations with valid ethnicity: 402,085 (99.00%) | Number of citations with valid ethnicity: 390,746 (99.07%) – 0.07% increase |

4.2 MIRE Fundamental Data Element Collection

To comply with 23 CFR Part 924.11, Nevada continues to track collection of MIRE Fundamental Data Elements (FDEs) and is on track to provide access to the MIRE FDEs for all public roads by September 30, 2026. The percentage of MIRE FDEs collected, and a summary of planned improvements are provided in the following sections.

4.2.1 MIRE Fundamental Data Elements Collected

The percentage of MIRE FDE that Nevada has collected is documented in the Highway Safety Improvement Program (HSIP) Annual Report. The latest percentages are included in the table below.

| 67% Total Percent of MIRE FDE Collected |
|---|
| 80% Segment FDE Collected (Lacking # of through lanes, AADT and surface type for Locals.) |
| 30% Intersection FDE Collected (Lacking intersection/junction geometry and traffic control.) |
| 90% Interchange FDE Collected (Need clarification on roadway type at beginning and end of ramp terminal.) |

4.2.2 Anticipated Improvements

Recently completed actions include mapping subsequent overlap between HPMS and MIRE data elements, participation in Federal Highway Administration FDEs mapping report, the investigation of database management system to create a MIRE repository, and the collection and identification of safety gaps not addressed by MIRE, State, or Federal guidance.

4.2.3 Data Collection Methodology

Data extraction from the Road Video Lidar system is underway, and once completed, data will be utilized in safety tools and/or other tools. Data evaluation shall include HSIP quality control, ensuring the accuracy of safety data.

4.2.4 Agency Coordination

The collection of MIRE FDE has been an NDOT effort.

5. Traffic Records Projects

5.1 2025 Traffic Records Project Prioritization

Projects for traffic records were solicited as part of the OTS request for grants that was issued in January 2024 and then reviewed by a multi-agency review committee. The review committee reviewed projects against the goals and objectives of the TRCC and graded proposed projects for 405c funding based on the following criteria:

Problem Identification

- Local data supports the identified traffic safety problem

- The chosen countermeasures clearly improve the identified problem
- Describes what is causing the problem

Project Goals

- Goals are realistic toward solving the problem
- Goals relative to the problem ID
- Goals coincide with traffic safety priorities

Project Objectives

- Objectives, targets and performance measures directly address the identified problem
- Objectives are specific, measurable and achievable
- Sufficient time allocated to achieve each objective
- Self-sustainability is addressed

Project Activities

- Demonstrates proven prevention/intervention strategies
- Timelines are adequately addressed and reasonable
- Activities are adequate & tied to objectives

Project Evaluation

- Indicates realistic methods of measuring progress towards each objective
- Indicates realistic method of measuring progress of each activity
- Indicates by whom and when evaluation will be performed
- Includes baseline data to indicate progress

Budget

- Adequate budget detail is provided
- Proposed budget seems realistic for project scope
- Budget includes adequate matching funds and source

Other

- Application proposes coordination with other agencies

5.2 Traffic Records System Improvement Project Listing

This section outlines the traffic records system improvement projects that are recommended for support. Projects are presented in **Table 2**.

Table 2. Traffic Records Improvement Project Listing

| Project Title | Statewide Goal(s) | Lead Agency | Anticipated Funding Source |
|---|---|----------------------------------|----------------------------|
| Enforcement Mobile (Brazos) Working Group | To improve the quality of data within the Crash Data System | OTS | 405c |
| Enforcement Mobile Interface and Equipment | For all agencies in Nevada that issue crashes and citations to effectively use electronic collection and reporting in the Enforcement Mobile system | OTS | 405c |
| Tyler Technologies Enforcement Mobile Software System | For all agencies in Nevada that issue crashes and citations to effectively use electronic collection and reporting in the Enforcement Mobile system | OTS | NDOT |
| Research to Improve Crash Data Quality with AI Technology | To improve the quality of data within the Crash Data System with the use of artificial intelligence (AI) technology | OTS | 405c |
| TRCC Integration | For crash data to be effectively used for data-driven decisions | OTS | 405c |
| Nevada State Health Trauma Registry | To improve access to trauma registry data in coordination with UNLV School of Medicine. | OTS | 405c |
| Research Citation and Adjudication Best Practices | Determine best practices to apply in Nevada to improve the availability and use of citation and adjudication data | NDOT | NDOT |
| NDOT MIRE Data Improvements | Increase the number of MIRE Fundamental Data Elements in the Roadway Data File | NDOT | NDOT |
| UNLV STOP Grant | Statistical Transparency of Policing, analyzing race and ethnicity from traffic citations | OTS | 1906 |
| UNLV Nevada Road Users Linked Database System | For trauma data to be able to be linked to crash data and analyzed to support safety initiatives | NDOT and UNLV School of Medicine | NDOT |

6. Data Quality Management

This section outlines the statewide performance measures and metrics that the TRCC will use to monitor data quality improvement projects. Performance measures for tracking proposed projects are presented in **Table 3**.

Table 3. Performance Measures Summary – Under Development and Review

| Goal | Objective(s) | Performance Measure(s) | Data Quality | Data System | Baseline Metric | Progress Metric |
|---|---|--|--------------|---------------------------------|-----------------|-----------------|
| For all agencies in Nevada that issue crashes and citations to effectively use electronic collection and reporting in the Enforcement Mobile system | Increase the number of agencies using e-crash and/or e-citation | Number of agencies added to e-crash and/or e-citation | Completeness | Crash and Citation/Adjudication | 0 | 1 |
| For all agencies in Nevada that issue crashes and citations to effectively use electronic collection and reporting in the Enforcement Mobile system | Increase the percent of crash records that include race/ethnicity, if arrested, and if searched what was found | Percentage of crash records that include race/ethnicity | Completeness | Crash and Citation/Adjudication | 90 | 99 |
| To improve the quality of data within the Crash Data System | Improve the uniformity of the Crash Data System | Complete research study | Uniformity | Crash | 0 | 1 |
| For crash data to be effectively used for data-driven decisions | Improve the timeliness of the Crash Data System (days) | Traffic Records Crash Timeliness Median Days | Timeliness | Crash | Greater than 12 | 4 |
| For crash data to be effectively used for data-driven decisions | Improve the completeness of the geolocation of the crash data | Percentage of geolocated crash data within the Enforcement Mobile system | Completeness | Crash | Less than 80 | 80 |
| For crash data to be effectively used for data-driven decisions | Improve the completeness of the geolocation of the crash data | Percentage of geolocated crash data within the NDOT Crash Database | Completeness | Crash | Less than 90 | 95 |
| For crash data to be able to be analyzed using linked Roadway Data | Increase the collection of MIRE Fundamental Data Element data in the Roadway Data File | Percentage of segments with all MIRE FDEs | Completeness | Roadway | 15 | 99 |
| For crash data to be able to be analyzed using linked Roadway Data | Increase the number of MIRE Fundamental Data Elements in the Roadway Data File | Percentage of intersections with all MIRE FDEs | Completeness | Roadway | 20 | 95 |
| For traffic records data to be able to be analyzed to identify the location of risky road user behaviors so preventative measures can be taken | Evaluate the use of new data sources to identify the location of risky road user behavior | Completed study | Completeness | Roadway | 0 | 1 |
| For trauma data to be able to be linked to crash data and analyzed to support safety initiatives | Increase the linkage of trauma records that are linked to crash records | The percentage of appropriate records in the trauma database that are linked to the crash file | Integration | Injury Surveillance | 63 | 64 |
| To improve the availability and use of citation and adjudication data | Determine best practices to apply in Nevada to improve the availability and use of citation and adjudication data | Completed study | Completeness | Citation/Adjudication | 0 | 1 |

7. Commitment to the Strategic Plan

7.1 Traffic Records Strategic Plan Implementation

Nevada is committed to implementing the Traffic Records Strategic Plan. The TRCC will monitor, track, and evaluate the implementation of the plan. The TRCC meets a minimum of quarterly and uses an online action tracking tool accessible by the TRCC Chair, Vice Chair, and action leads to monitor, track, and evaluate implementation of the plan.