Traffic Records Coordinating Committee Meeting Agenda

Date/Time: Tuesday, September 19, 2023 | 1:30pm – 3:00pm

Dial-In/Online: 984-204-1608 | Click here to join online

Code: 247 874 819# <u>+1 984-204-1608,,247874819#</u>

Agenda

1. Welcome and Introductions

Meeting Purpose
 Roll Call
 Notes from Last Quarterly Meeting
 Safety Summit: TRCC Sessions Recap
 Kevin

4. Data Update

Monthly Fatality Data
 Enforcement Mobile (Brazos) Working Group Update
 Kevin

6. NVACTS Update

Prior Meeting Summary
 Kevin

7. 2023 TRCC Funded Studies

UNLV AI Speech Recognition Narrative Interpretation for Crash Reports Dr. Arteaga/Dr. Park

o UNLV STOP Bertille

UNLV Study on Adjudication of Citations and Enforcement

Shashi

UNLV Nevada Road Users Linked Database

8. Action Item Review Matrix David

9. Open Discussion Kevin

10. Upcoming Meetings David

Nevada Advisory Committee on Traffic Safety (NVACTS) – December 14

Next TRCC Meeting – Tuesday, December 12, 1:30-3:00 pm

Attachments:

- A. Monthly Fatal Crash Report
- B. Action Item Review Matrix
- C. Meeting Summary (June 20, 2023)



Noe

DATE OF REPORT: 9/5/2023 DATA AS OF: 8/31/2023

PUBLIC SAFETY, DIRECTOR NDOT, HIGHWAY SAFETY COORDINATOR, NDOT TRAFFIC ENGINEERING, FHWA, LAW ENFORCEMENT AGENCIES THE OFFICE OF TRAFFIC SAFETY, STATE FATAL DATA PREPARED BY: ADAM ANDERSON, FARS ANALYST TO: FROM:

SUBJECT: FATALITIES BY COUNTY, PERSON TYPE, DAY, MONTH, YEAR AND PERCENT CHANGE.

Month	2022 Crashes	2023 Crashes	% Change	Month	2022 Fatals	2023 Fatals	% Change
JAN	20	25	25.00%	JAN	31	27	-12.90%
FEB	23	15	-34.78%	FEB	24	17	-29.17%
MAR	37	26	-29.73%	MAR	39	26	-33.33%
APR	31	37	19.35%	APR	32	40	25.00%
MAY	36	30	-16.67%	MAY	38	33	-13.16%
JUN	40	32	-20.00%	JUN	40	35	-12.50%
JUL	30	33	10.00%	JUL	31	41	32.26%
AUG	30	29	-3.33%	AUG	33	31	-6.06%
SEP			0.00%	SEP			0.00%
OCT			0.00%	OCT			0.00%
NOV			0.00%	NOV			0.00%
DEC			0.00%	DEC			0.00%
Reporting Period Total	247	227	-8.10%	Reporting Period Total	268	250	-6.72%
Total	383			Total	416		

KNOWN FATAL COMPARISON BETWEEN 2022 AND 2023.

COUNTY	2022 Crashes	2023 Crashes	% Change	2022 Fatalities	2023 Fatalities	% Change	2022 Occupants	2023 Occupants	% Change	2022 Unrestrained	2023 Unrestrained	% Change
CARSON	3	5	66.67%	3	6	100.00%	3	3	0.00%	3	0	-100.00%
CHURCHILL	8	6	-25.00%	8	6	-25.00%	4	5	25.00%	2	1	-50.00%
CLARK	149	148	-0.67%	165	158	-4.24%	72	71	-1.39%	26	26	0.00%
DOUGLAS	5	2	-60.00%	5	2	-60.00%	4	2	-50.00%	2	0	-100.00%
ELKO	9	3	-66.67%	11	3	-72.73%	9	3	-66.67%	6	2	-66.67%
ESMERALDA	0	2	200.00%	0	2	200.00%	0	2	200.00%	0	0	0.00%
EUREKA	4	0	-100.00%	4	0	-100.00%	4	0	-100.00%	2	0	-100.00%
HUMBOLDT	5	3	-40.00%	5	4	-20.00%	5	3	-40.00%	1	2	100.00%
LANDER	3	1	-66.67%	5	1	-80.00%	5	1	-80.00%	4	1	-75.00%
LINCOLN	4	2	-50.00%	4	2	-50.00%	2	2	0.00%	2	1	-50.00%
LYON	6	5	-16.67%	6	5	-16.67%	3	3	0.00%	2	2	0.00%
MINERAL	2	1	-50.00%	2	2	0.00%	2	2	0.00%	0	0	0.00%
NYE	5	15	200.00%	6	24	300.00%	4	22	450.00%	2	4	100.00%
PERSHING	5	0	-100.00%	5	0	-100.00%	5	0	-100.00%	2	0	-100.00%
STOREY	1	0	-100.00%	1	0	-100.00%	0	0	0.00%	0	0	0.00%
WASHOE	37	32	-13.51%	37	33	-10.81%	22	12	-45.45%	7	4	-42.86%
WHITE PINE	1	2	100.00%	1	2	100.00%	0	2	200.00%	0	1	100.00%
Reporting Period Total	247	227	-8.10%	268	250	-6.72%	144	133	-7.64%	61	44	-27.87%
Total	383			416			219			86		

KNOWN COMPARISON OF FATALITIES BY PERSON TYPE BETWEEN 2022 AND 2023.

COUNTY	2022 Pedestrian	2023 Pedestrian	% Change	2022 Motorcyclist	2023 Motorcyclist	% Change	2022 Bicyclist	2023 Bicyclist	% Change	2022 Other Scooter, Moped, ATV	2023 Other Scooter, Moped, ATV	% Change
CARSON	0	2	200.00%	0	1	100.00%	0	0	0.00%	0	0	0.00%
CHURCHILL	1	0	-100.00%	3	1	-66.67%	0	0	0.00%	0	0	0.00%
CLARK	47	45	-4.26%	35	35	0.00%	8	3	-62.50%	3	4	33.33%
DOUGLAS	0	0	0.00%	1	0	-100.00%	0	0	0.00%	0	0	0.00%
ELKO	0	0	0.00%	2	0	-100.00%	0	0	0.00%	0	0	0.00%
ESMERALDA	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
EUREKA	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
HUMBOLDT	0	0	0.00%	0	1	100.00%	0	0	0.00%	0	0	0.00%
LANDER	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
LINCOLN	0	0	0.00%	2	0	-100.00%	0	0	0.00%	0	0	0.00%
LYON	0	1	100.00%	3	1	-66.67%	0	0	0.00%	0	0	0.00%
MINERAL	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
NYE	0	1	100.00%	1	1	0.00%	1	0	-100.00%	0	0	0.00%
PERSHING	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
STOREY	0	0	0.00%	1	0	-100.00%	0	0	0.00%	0	0	0.00%
WASHOE	5	12	140.00%	10	5	-50.00%	0	4	400.00%	0	0	0.00%
WHITE PINE	0	0	0.00%	1	0	-100.00%	0	0	0.00%	0	0	0.00%
Reporting Period Total	53	61	15.09%	59	45	-23.73%	9	7	-22.22%	3	4	33.33%
Total	91			86			15			5		

THIS REPORT IS A POINT IN TIME COMPARISON

THIS DATA DOES NOT INCLUDE DATA FIELDS MARKED BY THE OFFICER AS UNKNOWN.

2022 DATA IS PRELIMINARY AND DOES NOT NECESSARILY INCLUDE FINAL REPORTS (FORM 5, CORONER, AND/OR TOXICOLOGY).

2023 DATA IS NOT FINAL UNTIL THE END OF DECEMBER 2024.

NOTE: The monthly report will be distributed by the 7th of each month.

Fatalities= Total number of reported fatals (vehicle occupants, pedestrian, motorcyclist, bicyclist, and other). Key:

Vehicle Occupants = Driver and occupant fatalities in a motor vehicle.

Vehicle Unrestrained = Driver and occupant fatalities in a motor vehicle unrestrained.

Pedestrian = Any person on foot, on a personal conveyance, or in a building.

Motorcyclist= A person riding any motor vehicle that has a seat or saddle for the use of its operator and is designed to travel on

not more than three wheels in contact with the ground.

Bicyclist= A person on an other road vehicle that can be propelled by pedaling (bicycle, tricycle, unicycle, pedalcar, electric bike).

Other = A person on a scooter, moped, ATV, or other motorized vehicle not captured above on a roadway.

Key Area: Traffic Records Coordinating Committee (TRCC)

Critical Emphasis Area: Traffic Records Coordinating Committee (TRCC)

Strategy #1: TRCC Management, Strategic Planning, and Data Use and Integration.

No.	Description	Action Step Leader	Completion (Est.)	Last Update	Status	Output Measure	Comment
1.1	Develop a comprehensive Traffic Records Inventory by consolidating the discrete systems documentation maintained by custodial agencies into a coherent whole to improve accessibility and analysis for all stakeholders and to help encourage interactions between data analysts, data users, and those whose jobs are tangential to traffic safety.	Mike Colety (Kimley- Horn)	Dec 2025	03/07/2023	O Substantial Progress	Completion of a comprehensive Traffic Records Inventory database.	Working with individual data component owners to document current data status and processes for sharing.
1.2	Leverage its collaborative efforts to ensure that all components of the traffic records data system (TRS) are supported by formal data quality management programs.	Mike Colety (Kimley- Horn)	Jun 2022	03/07/2023	O Moderate Progress	Formal quality data management programs in place for TRS components.	Working with data component owners to document their existing data quality processes.

Strategy #2: Crash.

No.	Description	Action Step Leader	Completion (Est.)	Last Update	Status	Output Measure	Comment
2.1	Formalize the process to incorporate changes into the crash data dictionary and corresponding documents.	Kevin Tice (DPS-OTS)	Dec 2022	03/02/2023	O Completed	Formal process for updating the data dictionary.	The Crash Data Dictionary will address changes, when they are proposed and/or occur at TRCC. TRCC minutes will record changes when they occur.
2.2	Improve the consistency and reliability of delivery of the crash files from law enforcement to the State to minimize processing effort, reduce the time between crash and data availability, and reduce opportunities for data quality corruption.	Matthew Williams (NDOT) Kevin Tice (DPS-OTS)	Jun 2023	11/15/2022	O Substantial Progress	Consistent delivery of crash data files.	Some issues with K and A crashes being uploaded in a timely manner were noted. Still tracking for completion by the end of the year. Locations still from August 2021 but should be updated soon for November 2022.
2.3	Implement more timely uploads to NCATS to give users closer to real-time data with which to make critical programmatic and infrastructure enhancements.	Matthew Williams (NDOT) Kevin Tice (DPS-OTS)	Jun 2023	11/15/2022	O Substantial Progress	Scheduled NCATS uploads.	Some issues were noted with uploading K and A crashes in a timely manner. Will be using geolocation data from Enforcement Mobile which will make the availability of crash data more timely.
2.4	Enhance procedures for managing errors and incomplete data and formalize efforts to ensure that data from reports with validation errors are fixed and entered into the repository. This should include formal changes to the data dictionary as necessary.	Matthew Williams (NDOT) Kevin Tice (DPS-OTS)	Jun 2023	08/24/2022	O Moderate Progress	Improved process for addressing data errors.	End date was updated from 6-30-2022 to 6-30-2023. Additional time is needed.
2.5	Implement a report for officers related to timeliness, accuracy, and completeness feedback. This can be useful for training, updates to manuals, and form revisions. Allow feedback from users to collectors to further enhance data quality.	Matthew Williams (NDOT) Kevin Tice (DPS-OTS)	Jun 2023	09/12/2022	O Initiated	Standard report for officers that summarizes date submitted, accuracy of the data and completeness of the submittal.	Initial efforts have been made to share issues with law enforcement crash data collection.

Strategy #3: Vehicle/Driver.

No.	Description	Action Step Leader	Completion (Est.)	Last Update	Status	Output Measure	Comment
3.1	Increase active representation on TRCC and providing vehicle data system quality management reports, which could potentially result in obtaining priority consideration for federal traffic records grant funding to enhance the vehicle data system.	Kevin Tice (DPS-OTS)	Jun 2023	03/02/2023	O Moderate Progress	Representative on TRCC roster for Vehicle Data. Regular reporting on vehicle system quality management.	TRCC involvement an engagement has increased. TR Project Managers regularly participate and present updates on ongoing projects. NV DMV now attends TRCC,.
3.2	Attain the driver and vehicles system data from the DMV and link to the crash system NCATS.	Kevin Tice (DPS-OTS)	Jun 2023	08/24/2022	O Initiated	Vehicle and driver data linked from DMV to NCATS.	End date was updated from 6-30-2022 to 6-30-2023. Additional time is needed to complete this item.
3.2	Obtain the required authorizations or attain a non- proprietary version of the driver system documents and narratives to assist with future assessments and system evaluations.	Kevin Tice (DPS-OTS)	Jun 2023	08/24/2022	O Initiated	Obtained driver system documents and narratives.	End date was updated from 6-30-2022 to 6-30-2023. Additional time needed to complete this item.

Strategy #4: Roadway.

No.	Description	Action Step Leader	Completion (Est.)	Last Update	Status	Output Measure	Comment
4.1	Coordinate with all the entities using and providing roadway data, including entities in the TRCC / NECTS.	Mike Colety (Kimley-Horn)	Dec 2025	03/07/2023	Moderate Progress	Regular coordination with agencies.	Coordination will take place to gather what existing roadway data is available to share.
4.2	Set access standards for all State users.	Casey Smith (NDOT)	Jun 2022	03/02/2023	O Substantial Progress	Set of standards implemented.	To broad of a definition, as it is a moving target depending on level of assimilation.
4.3	Use roadway database information already available (e.g., for timeliness calculations).	Kevin Tice (DPS-OTS)	Dec 2025	03/02/2023	O Moderate Progress	Regular usage of information available in the roadway database.	The roadway database is accessed when necessary to supplement other data.
4.4	Organizing the roadway history for archiving in conjunction with the vendor.	Casey Smith (NDOT)	Dec 2025	03/02/2023	Completed	Archival system in place for the roadway database.	Completed, archival process in place.
4.5	Develop a database or enterprise system that combines roadway and traffic crash data elements.	Casey Smith (NDOT)	Dec 2025	12/07/2022	O Substantial Progress	Completed database with combined roadway and traffic crash data elements.	KH to create a summary of using existing crash data and roadway in GIS for safety analysis. Consider adding a new website to support GIS safety analysis.
4.5	Develop a formal quality control program.	Casey Smith (NDOT)	Dec 2022	12/07/2022	O Moderate Progress	Quality control procedures in place for traffic crash records.	Casey provided HPMS manual that includes the quality control progress. Validation scores are not currently available. HPMS 9.0 has a deadline of June 2023 and then validation scoring will be available. Hopefully sooner.

Strategy #5: Citation/Adjudication.

No.	Description	Action Step Leader	Completion (Est.)	Last Update	Status	Output Measure	Comment
5.1	Explore the development of a complete set of performance measures related to the quality of citation systems data	Kevin Tice (DPS-OTS)	Dec 2025	03/02/2023	O Initiated	Summary of research on performance measures and best practices for citation systems' data quality.	UNLV manages an ongoing project to identify best practices for uniformly obtaining traffic citation adjudication data.

Strategy #6: EMS/Injury Surveillance.

No.	Description	Action Step Leader	Completion (Est.)	Last Update	Status	Output Measure	Comment
6.1	Share information and data management reports with TRCC on a regular basis.	Kevin Tice (DPS-OTS)	Jun 2022	12/07/2022	O Moderate Progress	Add agenda item to TRCC quarterly meetings to provide summary of the data management reports.	Updates are now being provided by UNLV SOM on data analysis.
6.2	Build on the success of the integration of the State crash file and the statewide Nevada trauma registry data and integrate all components of the injury surveillance system.	Kevin Tice (DPS-OTS)	Dec 2025	12/07/2022	O Moderate Progress	Full integration of all data components.	Changed to another database manager. New database manager, Bill Porter, is new to the team and is very experienced in database management. Will be loaded on a faster server. Bill will be leading data cleaning and a data tool for access. Will work on data governance plan for sharing with other researchers.
6.3	Develop the core injury surveillance data into an important resource to define, evaluate, and support highway safety programs and projects through enhanced coordination with the State s health agencies.	Kevin Tice (DPS-OTS)	Dec 2025	12/07/2022	O Moderate Progress	Increased coordination with state health agencies. Injury surveillance data utilized as a performance measure to support data-driven traffic safety programs and projects.	Improved coordination with NEMSIS. Laura received one preliminary training session but did wanted additional training and needs feedback. Currently get trauma directly from hospitals. Pete has state department of health grant with some related efforts. Laura to provide documentation of data sources and needs.

Traffic Records Coordinating Committee Meeting Summary

Date/Time: Tuesday, June 20, 2023

Chair: Kevin Tice, Office of Traffic Safety

Vice Chair: Matt Williams, NDOT Traffic Safety

Facilitator: Mike Colety, Kimley-Horn

Attendees

John Arias, RTC FAST

Cristian Arteaga Sanchez, UNLV

Juan Balbuena, FHWA

Sheri Brueggemann, DPS

Matthew Cambron, OTS

Mike Colety, Kimley-Horn

Amy Davey, OTS

Mohammad Farhan, RTC Southern NV

David Giacomin, Kimley-Horn

Kevin Honea, NHP

Carrie Krupp, OTS

Margaret Matta, OTS

Justin McDonald, OTS

Shashi Nambisan, UNLV TRC

Karl Nieberlein, Tyler Technologies

Tiffani May Noel, OTS

Jay Park, UNLV

Casey Smith, NDOT Roadway Systems

Jodi Swirczek, NDOT

Kevin Tice, OTS

Matt Williams, NDOT Traffic Safety

Timber Wood, NDOT Traffic Safety

Hao Xu, UNR

Topics

- Welcome and Introductions
- Notes from Last Quarterly Meeting
 - In addition to quarterly data update, Mike Colety gave an update of the safety performance goals.
- Data Update
 - Mike Colety provided an overview of monthly fatality data as of June 5th with fatality data through May. There is an increase in year-to-date pedestrian fatalities, but a decrease in bicycle fatalities, motorcycle fatalities.
 - Matt Williams gave an overview of the Timmons Project. The agreement is expiring at the end of June 2023 and has not yet been renewed.
 - Kevin Tice provided an overview of Enforcement Mobile (Brazos) project.
- NVACTS Update
 - Mike Colety provided an overview of the last meeting. The last meeting was focused on supporting traffic safety during the legislative session. In the June 8 meeting there was a presentation on the impaired driving program. There was also a presentation on Rex's law.







- 2023 TRCC Funded Studies
 - Dr. Arteaga gave a presentation and brief update regarding the AI Speech Recognition Narrative Interpretation for Crash Reports.
 - Shashi Nambisan from UNLV gave a progress update regarding the Enforcement, Citations, and Adjudication Data Study. The study objectives are to review approaches adopted by legislative, regulatory, and voluntary agencies, compile information on effective strategies to integrate datasets, and how to apply strategies in the Nevada context.
- Action Item Review Matrix
 - Mike Colety presented that the action item status is up to date within the Action Item Review Matrix that was included withing the meeting materials. There were no questions.
- Open Discussion
 - No further discussion at the meeting.

Actions

Send any articles or topics for the Spring Newsletter to <u>lindsay.saner@kimley-horn.com</u>.

Attachments

Action Item Matrix

Next Meetings

Next TRCC Meeting – Tuesday, September 19th, 2023, 1:30 PM – 3:00 PM

Links

Nevada Crash Data Dashboard: Microsoft Power Bl



