

Traffic Records Coordinating Committee Meeting Agenda

Date/Time: Tuesday, December 19, 2023 | 10:00 am – 11:30 am

Dial-In/Online: 984-204-1608 | [Click here to join online](#)

Code: 274 640 630#

Agenda

1. Welcome and Introductions

- Meeting Purpose **Kevin**
- Roll Call **David**

2. Notes from Last Quarterly Meeting **Kevin**

3. Data Update

- Monthly Fatality Data **David**
- Crash Data Collection and Database Update **Matt W.**

4. Enforcement Mobile (Brazos) Working Group Update **Kevin/Matt M.**

5. 2024 TRCC Funded Studies

- UNLV AI Speech Recognition for Crash Reports **Dr. Arteaga/Dr. Park**
- UNLV Statistical Transparency of Policing (STOP) Data Collection **Bertille**
- UNLV Study on Adjudication of Citations and Enforcement **Shashi**
- UNLV Nevada Road Users Linked Database **Noe**

6. Action Item Review Matrix **David**

7. Open Discussion **Kevin**

8. Upcoming Meetings **David**

- Nevada Advisory Committee on Traffic Safety (NFACTS) – December 14
- Next TRCC Interim Meeting – Tuesday, January 30, 2024, 10:00 am to 11:00 am
- Next TRCC Meeting – Tuesday, March 12, 2024, 10:00 am to 11:30 am 3:00 pm
- ATSIP Traffic Records Forum – August 11-14, 2024 in San Diego, CA; Call for Abstracts are due February 1, 2024 - <https://www.atsip.org/trf-registration/>

Attachments:

- A.** Monthly Fatal Crash Report
- B.** Action Item Review Matrix
- C.** Meeting Summary (September 19, 2023)

DATE OF REPORT: 11/6/2023
 DATA AS OF: 10/31/2023

TO: PUBLIC SAFETY, DIRECTOR NDOT, HIGHWAY SAFETY COORDINATOR, NDOT TRAFFIC ENGINEERING, FHWA, LAW ENFORCEMENT AGENCIES
 FROM: THE OFFICE OF TRAFFIC SAFETY, STATE FATAL DATA
 PREPARED BY: ADAM ANDERSON, FARS ANALYST
 SUBJECT: FATALITIES BY COUNTY, PERSON TYPE, DAY, MONTH, YEAR AND PERCENT CHANGE.

Month	2022 Crashes	2023 Crashes	% Change	Month	2022 Fatafs	2023 Fatafs	% Change
JAN	20	25	25.00%	JAN	31	27	-12.90%
FEB	23	15	-34.78%	FEB	24	17	-29.17%
MAR	38	26	-31.58%	MAR	40	26	-35.00%
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	32	6.67%	JUL	31	41	32.26%
AUG	30	33	10.00%	AUG	33	36	9.09%
SEP	32	32	0.00%	SEP	33	34	3.03%
OCT	40	31	-22.50%	OCT	43	36	-16.28%
NOV			0.00%	NOV			0.00%
DEC			0.00%	DEC			0.00%
Reporting Period Total	320	293	-8.44%	Reporting Period Total	345	325	-5.80%
Year End Total	383			Year End 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	7	5	-28.57%	7	6	-14.29%	4	3	-25.00%	4	0	-100.00%
CHURCHILL	11	9	-18.18%	11	11	0.00%	6	8	33.33%	3	1	-66.67%
CLARK	196	194	-1.02%	214	207	-3.27%	93	89	-4.30%	33	34	3.03%
DOUGLAS	5	2	-60.00%	5	2	-60.00%	4	2	-50.00%	2	0	-100.00%
ELKO	9	5	-44.44%	11	5	-54.55%	9	4	-55.56%	6	3	-50.00%
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	6	3	-50.00%	8	4	-50.00%	8	3	-62.50%	1	2	100.00%
LANDER	3	1	-66.67%	5	1	-80.00%	5	1	-80.00%	4	1	-75.00%
LINCOLN	5	3	-40.00%	5	3	-40.00%	3	3	0.00%	2	1	-50.00%
LYON	7	6	-14.29%	7	7	0.00%	3	5	66.67%	2	3	50.00%
MINERAL	2	2	0.00%	2	3	50.00%	2	3	50.00%	0	0	0.00%
NYE	11	16	45.45%	12	28	133.33%	9	26	188.89%	6	4	-33.33%
PERSHING	5	1	-80.00%	5	1	-80.00%	5	1	-80.00%	2	0	-100.00%
STOREY	2	0	-100.00%	2	0	-100.00%	0	0	0.00%	0	0	0.00%
WASHOE	46	42	-8.70%	46	43	-6.52%	27	16	-40.74%	9	6	-33.33%
WHITE PINE	1	2	100.00%	1	2	100.00%	0	2	200.00%	0	1	100.00%
Reporting Period Total	320	293	-8.44%	345	325	-5.80%	182	168	-7.69%	76	56	-26.32%
Year End 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	2	2	0.00%	1	1	0.00%	0	0	0.00%	0	0	0.00%
CHURCHILL	1	1	0.00%	4	2	-50.00%	0	0	0.00%	0	0	0.00%
CLARK	55	62	12.73%	53	45	-15.09%	10	7	-30.00%	3	4	33.33%
DOUGLAS	0	0	0.00%	1	0	-100.00%	0	0	0.00%	0	0	0.00%
ELKO	0	1	100.00%	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	1	1	0.00%	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%	2	1	-50.00%	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%	2	0	-100.00%	0	0	0.00%	0	0	0.00%
WASHOE	9	16	77.78%	10	7	-30.00%	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	68	84	23.53%	81	58	-28.40%	11	11	0.00%	3	4	33.33%
Year End 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.

- Key:
- Fatalities= Total number of reported fatalities (vehicle occupants, pedestrian, motorcyclist, bicyclist, and other).
 - 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	12/15/2023	 Substantial Progress	Completion of a comprehensive Traffic Records Inventory database.	Reviewing and updating the data records contacts. The plan is to post the traffic records contact information on the SHSP website.
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	12/15/2023	 Moderate Progress	Formal quality data management programs in place for TRS components.	Continuing to work on updating data quality processes for each element.







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	12/05/2023	 Completed	Formal process for updating the data dictionary.	MMUCC 6th edition is expected to be released this month. work to initiate changes to the NV crash form and users manual will begin in 2024.
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	12/06/2023	 Completed	Consistent delivery of crash data files.	With the implementation of a new crash database at NDOT that mirrors Enforcement Mobile's database and a nightly direct transfer of data from Enforcement Mobile to NDOT, this step can be marked complete.
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	 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	 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	 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	 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	12/05/2023	 Initiated	Vehicle and driver data linked from DMV to NCATS.	NCATS has been eliminated. NDOT obtains direct data transfer from Enforcement Mobile daily. Reinitiating discussions with NDMV to access driver and vehicle data to link with traffic records.
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	 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	12/06/2023	 Substantial Progress	Set of standards implemented.	Again to broad of a definition, moving target.
4.3	Use roadway database information already available (e.g., for timeliness calculations).	Kevin Tice (DPS-OTS)	Dec 2025	03/02/2023	 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.	Matthew Williams (NDOT) Casey Smith (NDOT)	Dec 2025	12/06/2023	 Completed	Completed database with combined roadway and traffic crash data elements.	Completed
4.5	Develop a formal quality control program.	Matthew Williams (NDOT) Casey Smith (NDOT)	Dec 2022	12/06/2023	 Completed	Quality control procedures in place for traffic crash records.	The output measure is QC procedures in place for traffic crash records. Should be moved to Matt, and i believe they have QC procedures already in place.

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	12/05/2023	 Initiated	Summary of research on performance measures and best practices for citation systems' data quality.	The citation adjudication is ongoing entering second year of project.

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	 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	 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	 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 want 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, September 19, 2023

Chair: Kevin Tice, Office of Traffic Safety

Vice Chair: Matt Williams, NDOT Traffic Safety

Facilitator: David Giacomini, Kimley-Horn

Attendees

- Adam Anderson
- Alex Tang, Kimley-Horn
- Bertille Mavegam, UNLV
- Brenda Witt, DMV
- Capt John Riley
- Carrie Krupp, OTS
- Cristian Arteaga Sanchez, UNLV
- David Giacomini, Kimley-Horn
- Debroah Khuls
- Jay Park, UNLV
- Julia Peek
- Justin McDonald, OTS
- Karl Nieberlein, Tyler Technologies
- Kevin Honea, NHP
- Kevin Tice, OTS
- Lia Grimaldi
- Matt Williams, NDOT Traffic Safety
- Noehealani Bareng-Antolin, UNLV
- Pat Gallagher
- Sean Robinson
- Shashi Nambisan, UNLV TRC
- Sushma Koneti
- Tiffany Kurnat
- William Porter, UNLV

Topics

- Welcome and Introductions
- Notes from Last Quarterly Meeting
 - Kevin Tice summarized the discussion from the previous meeting and gave a recap on the Safety Summit.
- Data Update
 - David Giacomini provided an overview of monthly fatality data as of August 31st. Over all the fatalities are tracking below 2022 numbers through the year for August, although 2022 fatality numbers were high.
- Enforcement Mobile (Brazos) Working Group Update
 - Tiffany Kurnat presented issues that resulted from AB-116 changes.
- NVACTS Update
 - Kevin Tice provided an overview of the last meeting. A Vulnerable Road User Safety Assessment is required by the FHWA by November 15. NVACTS to complete an annual

report by the end of the year. The committee is accepting nominations for the positions for chair and vice chair.

- 2023 TRCC Funded Studies
 - Dr. Arteaga gave a presentation and update regarding the AI Speech Recognition Narrative Interpretation for Crash Reports on the progress for June 2023 – August 2023. The major tasks are to establish a narrative structure for the speech recognition assistance and to increase the efficiency in computation of the semantic search engine in the upcoming phase 2.
 - Bertille Mavegam presented on UNLV STOP and provided an update on the most recent 6-month time period. The goal is to implement statistical transparency of policy programs in NV (SB 236) which requires all law enforcement agencies to develop a standardized method for reporting traffic stop information.
 - 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 specify how to apply strategies in the Nevada context.
 - Noehealani Bareng-Antolin presented on UNLV Nevada Road Users Linked Database which links a variety of data to input data from different sources into a single database.
- Action Item Review Matrix
 - David Giacomini presented that the action item status is up to date within the Action Item Review Matrix that was included with the meeting materials. There were no questions or updates.
- Open Discussion
 - No further discussion at the meeting.

Actions

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

Attachments

- Action Item Matrix

Next Meetings

- Next TRCC Meeting – Tuesday, December 19th, 2023, 10:00 AM – 11:25 AM

Links

Nevada Crash Data Dashboard: [Microsoft Power BI](#)