



AGENDA

Eau Claire County Traffic Safety Commission
Tuesday, October 22, 2024, 9:00 a.m. CST
Eau Claire County Highway Department
5061 US Hwy 53, Room 103, Eau Claire, WI 54701

WebEx Teleconference

Join from the meeting link: https://eau Claire County.webex.com/eau Claire County/j.php?MTID=m6048e0272428080d87c776c1f5a4916c
Join by meeting number: Meeting number (access code): 2533 237 4698 Meeting password: mGuk5ypHc24
Tap to join from a mobile device (attendees only): +1-415-655-0001 .,25332374698## US Toll
Join by phone: +1-415-655-0001 US Toll
Join from a video system or application: Dial 25332374698 @eau Claire County.webex.com You can also dial 173.243.2.68 and enter your meeting number.

Those wishing to make a written public comment must e-mail ecchwy@eau Claire County.gov at least 30 minutes prior to the start of the meeting or attend the meeting in-person or virtually. You will be called on during the public comment session to make your comments. Comments are limited to 3 minutes per person and 30 minutes maximum for the public comment period. PLEASE MUTE DEVICES UPON ENTRY INTO MEETING.

A majority of the county board may be in attendance at this meeting, however, only members of the committee may take action on an agenda item.

1. Call to Order and Confirmation of Meeting Notice
2. Review/Approval of Past Committee Meeting Minutes (07/23/24) - Discussion/Action (pp. 3-49)
3. Public Comment
4. Safe Streets for All Action Plan Update – Discussion
5. Highway 53 Work Group - Discussion
6. Traffic Crash Summary
 - Eau Claire County
 - City of Eau Claire
 - City of Altoona
 - City of Augusta
7. Commission Member Reports
 - DOT Traffic Safety Coordinator

PREPARED BY: Natalie Szews

PLEASE NOTE: Upon reasonable notice, efforts will be made to accommodate the needs of individuals with disabilities through sign language, interpreters, remote access, or other auxiliary aids. Contact the clerk of the committee or Administration for assistance (715-839-5106). For additional information on ADA requests, contact the County ADA Coordinator at 839-6945, (FAX) 839-1669 or 839-4735, TTY: use Relay (711) or by writing to the ADA Coordinator, Human Resources, Eau Claire County Courthouse, 721 Oxford Avenue, Eau Claire, WI 54703.

- Wisconsin State Patrol
- DOT Highway Engineer
- Medical Field

8. Construction Status Report
9. Future Meeting Dates/Times/Agenda Items
10. Announcements
11. Adjourn

PREPARED BY: Natalie Szews

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MINUTES

Eau Claire County Traffic Safety Commission
Tuesday, July 23, 2024, 9:00 a.m. CST
Eau Claire County Highway Department
5061 US Hwy 53, Room 103, Eau Claire, WI 54701

In Attendance: Jon Johnson-ECC Highway Dept., Natalie Szews-ECC Highway Dept., Travis Pickering-ECC Engineer, Todd Horn BOTS LEL, Scott Gooch – MCHS, Scott Kelley – Altoona PD, Dustin Walters – ECSO, Chad Hines-WisDOT, Mike Heffernan-WSP, Edwin Rothrock-WCWRPC MPO, John Staber-Augusta PD, Al Rinka – City of EC, Supervisor Connie Russell

1. Meeting called to order by Jon Johnson at 9:00 a.m.

2. Review/Approval of Past Meeting Minutes (04/23/24) – Discussion/Action

- Al Rinka made a motion to approve. All in favor, motion carried.

3. Public Comment

- Positive comments regarding ATV routes opening.

4. Safe Roads for All Grant Update - Discussion

- Renae Kuehl and Nicole Bitzan from SRF Consulting presented on Safe Streets and Roads for All (SS4A) grant program and Safety Action Plan.

5. Highway 53 Work Group - Discussion

- The County will be doing maintenance on the gates on bypass, will have a 3-year maintenance rotation.
- Chad Hines advised of crash analysis report from 2018 to 2023. Most crashes were between Hwy 12 and River Prairie Dr.

6. Whitetail Woods Development Traffic Concerns – Discussion

- Discussed traffic concerns and Traffic Impact Analysis (TIA) results for Whitetail Woods Development on CTH SS / Nine Mile Creek Rd. and the CTH KB bridge over the railroad tracks.

7. Update on Adding Metropolitan Planning Organization (MPO) as a Member – Discussion

- Per State Statute, the County Administrator can appoint MPO as a TSC member, which Jon is currently waiting on.
- Still looking for someone in education or law that would be interested in joining.

8. Traffic Crash Summary

- Todd Horn presented crash summary data – see attached.

9. Commission Member Reports

• DOT Traffic Safety Coordinator

- Todd Horn presented TSC quarterly slides for Eau Claire County – see attached.

• Medical Field

- FMCSA instituting a new auditing program for DOT physicals.

• Wisconsin State Patrol

PREPARED BY: Natalie Szews

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- Next week is BOTS speed awareness week and the whole state will have extra troopers out.
- Will try to have the airplane out on Wednesday. Pilot on a different duty right now.
- Working in the construction zone on Interstate through end of August/September.
- Will try to do ASU (Air Support Unit) detail in the construction zone this weekend.

- **DOT Highway Engineer**

- Went over 2024 construction updates on I94, Hwy 53, and Hwy 93.
- Local projects: Fairfax St. supposed to be done today, and work still being done on CTH F/State Street for another month before paving.

10. Construction Status Report

- Eau Claire County

- Completed culvert replacement on CTH Z, will pave in the fall to allow it to settle. Will be working on other smaller culverts throughout the summer between projects.
- CTH N from Hwy 27 to Rolleen Dr. is underway and then will move onto CTH SS from CTH K to Pine Rd.
- CTH AF from CTH V to Strawberry Dr. will be started by next week or two by Haas.
- Chip sealing scheduled for August.
- CTH KK bridge just started this week and will be closed for next month or so.
- Lots of bridge inspections in August, September, and October.

- City of Eau Claire

- Menomonie St. roundabout by Sonnentag Center will be done in about a month and the tunnel will be done in November.
- Chip sealing and micro sealing throughout the city is complete, and just need to complete line striping.

- Received a grant for transportation alternative project from DOT for McKinley Rd. sidewalk/trail.

11. Future Meeting Dates/Times/Agenda Items – Discussion

- Next meeting will be October 22.

12. Announcements

- Edwin Rothrock advised that the MPO purchased a device to do intersection turn and speed studies. If someone is interested in having an intersection or speed study done, contact Edwin or Eric Anderson at the MPO.
- Will need someone from ECPD to replace Chad Hoyord.

13. Adjourn at 10:28 a.m.

Respectfully submitted,

Natalie Szews

Natalie Szews, Administrative Associate III
Eau Claire County Highway Department

PREPARED BY: Natalie Szews

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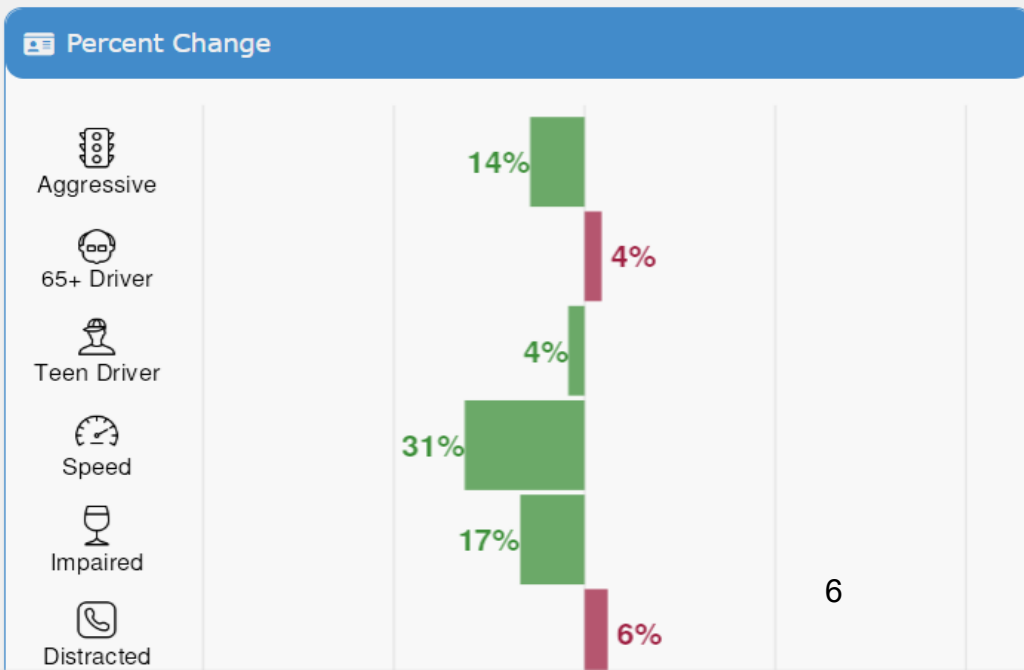
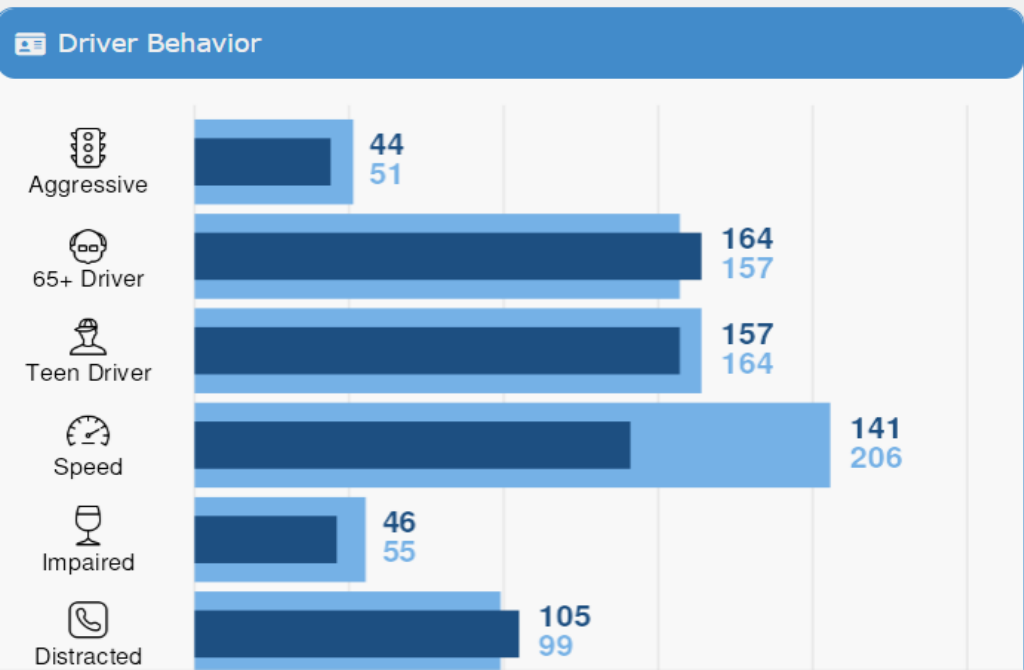
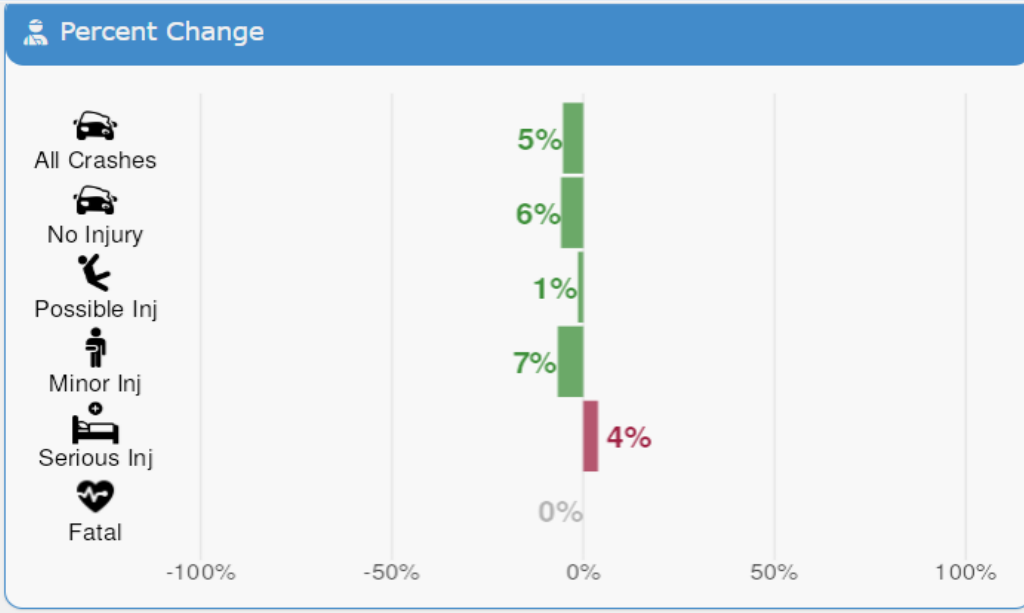
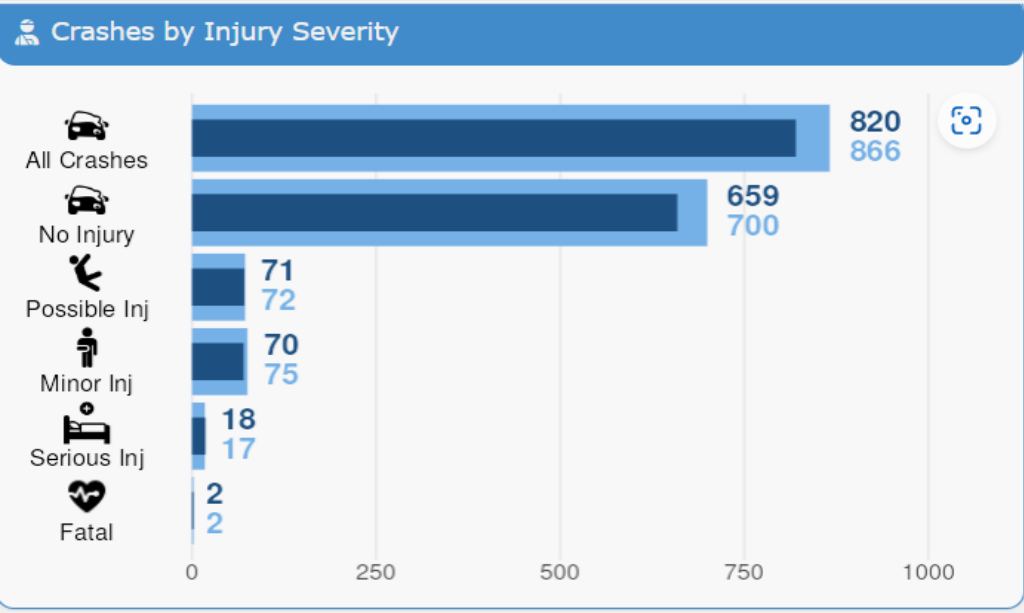
Eau Claire County Traffic Safety Commission Quarterly Informational Slides

Wisconsin Department of Transportation
Division of State Patrol
Bureau of Traffic Safety and Technical Services
Law Enforcement Liaison

July 23, 2024

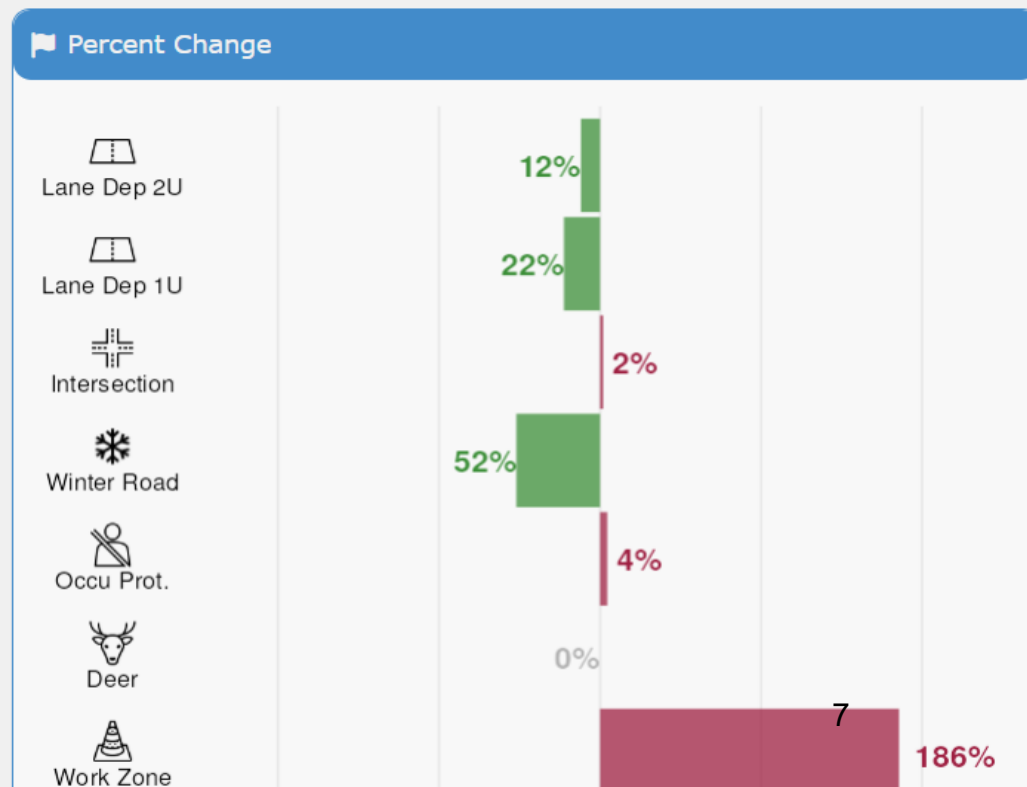
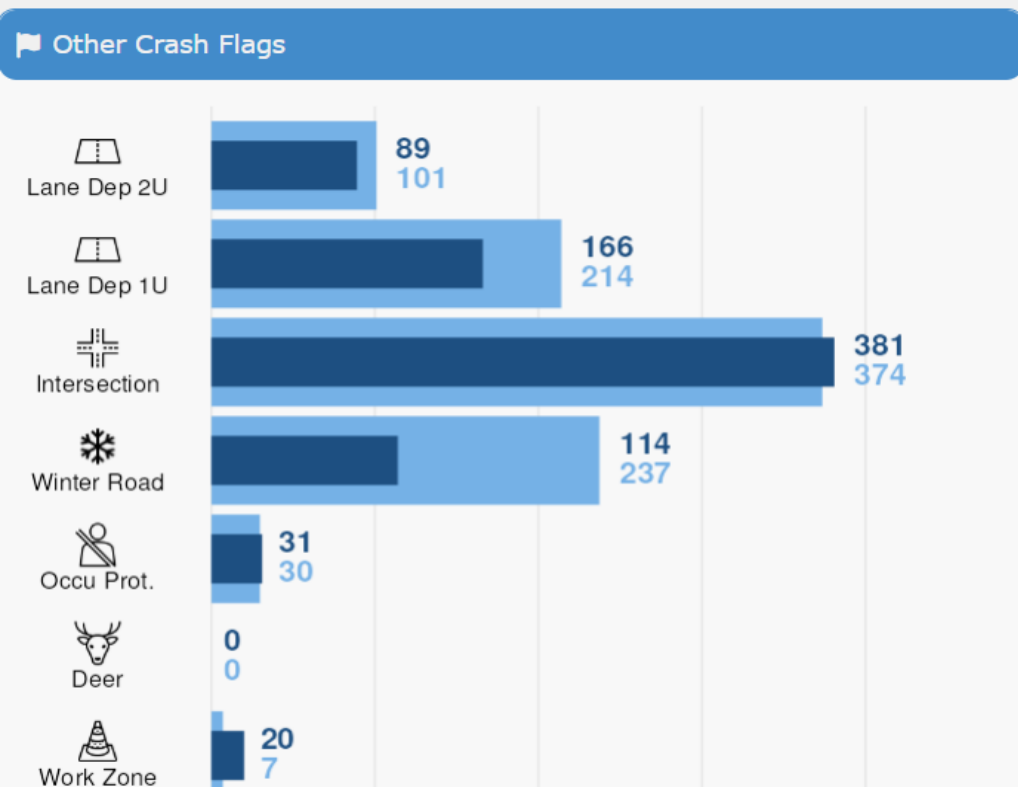
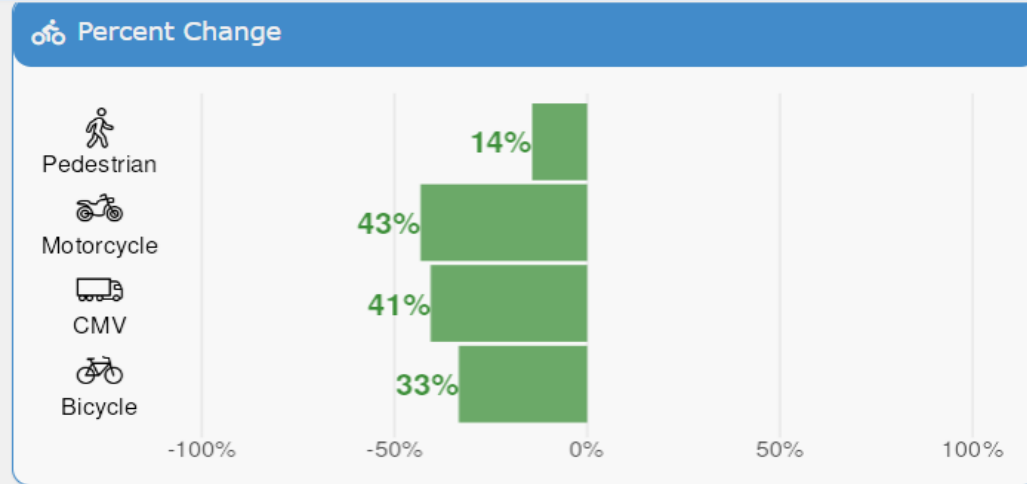
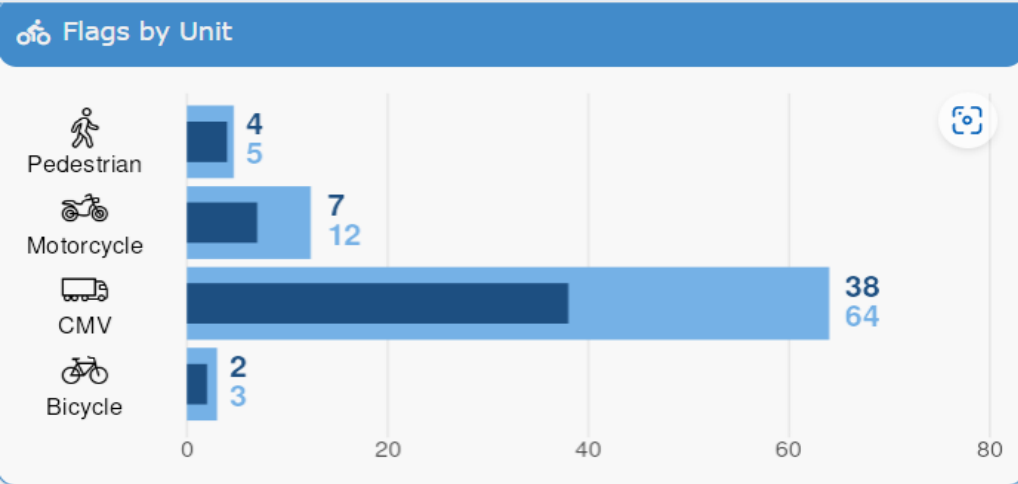
January to June 2024

3 Year Average – Eau Claire County



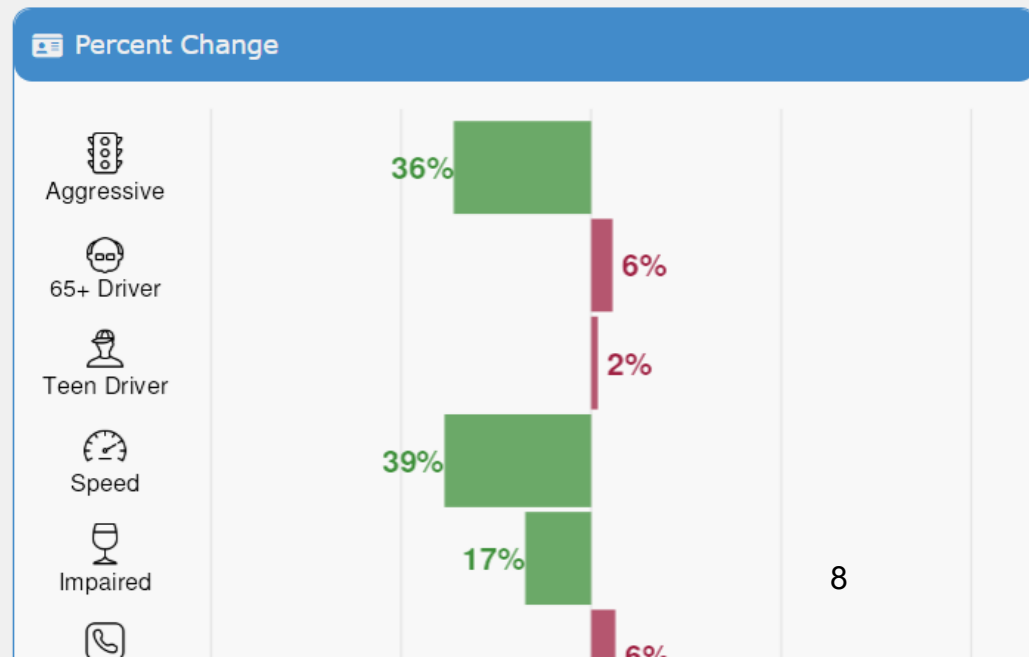
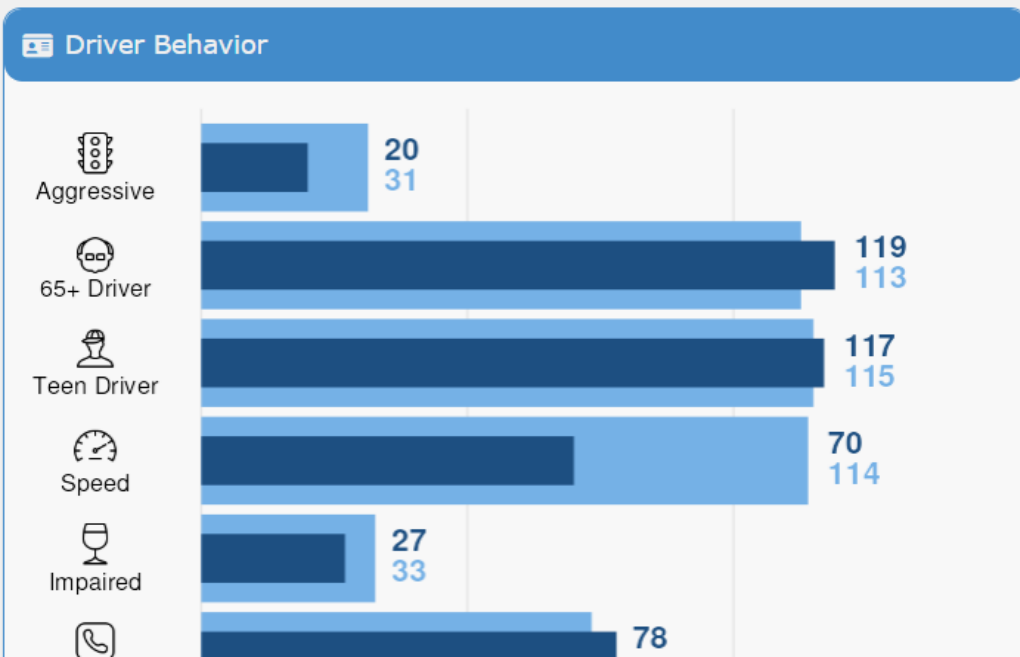
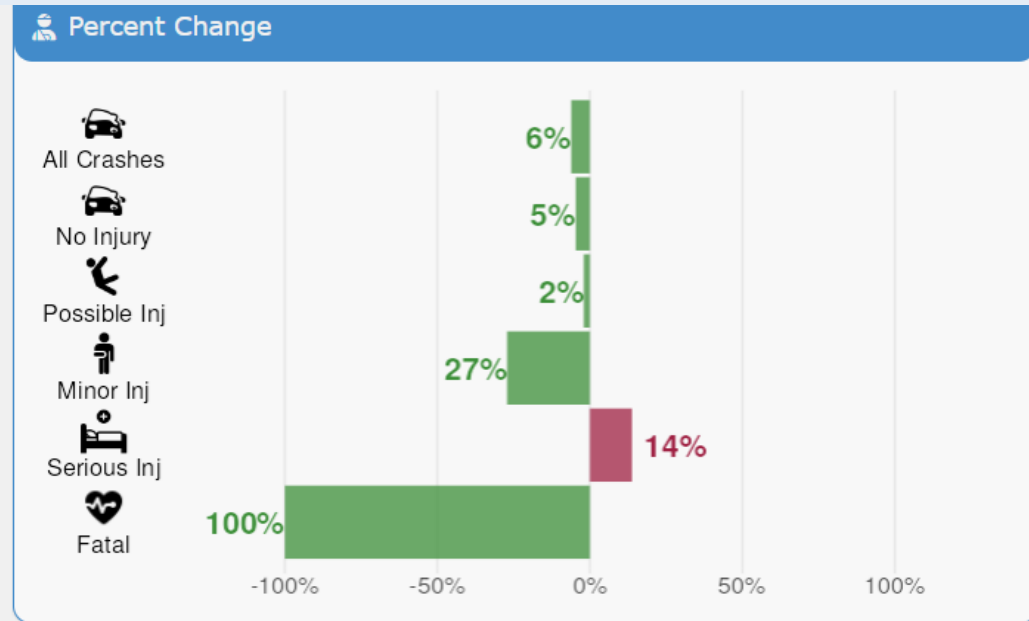
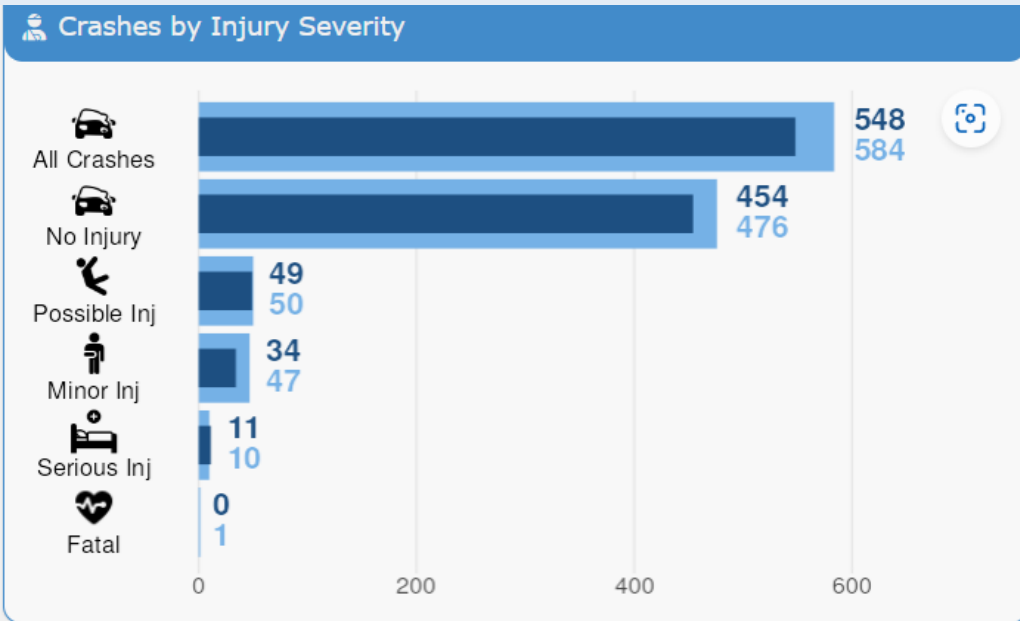
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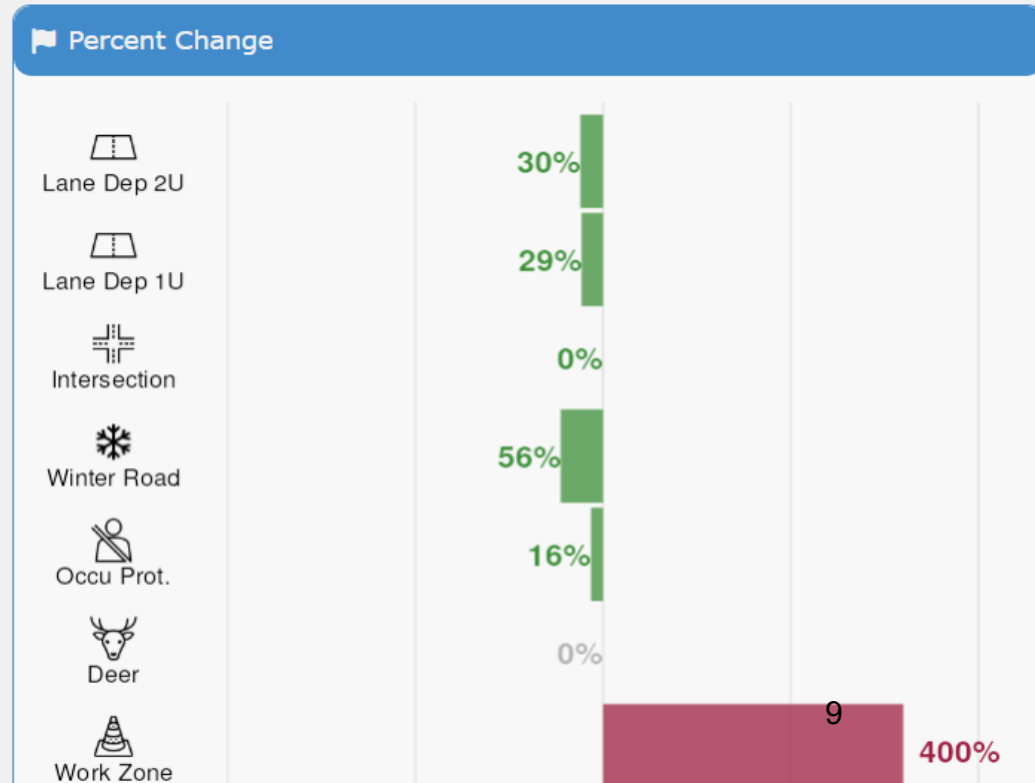
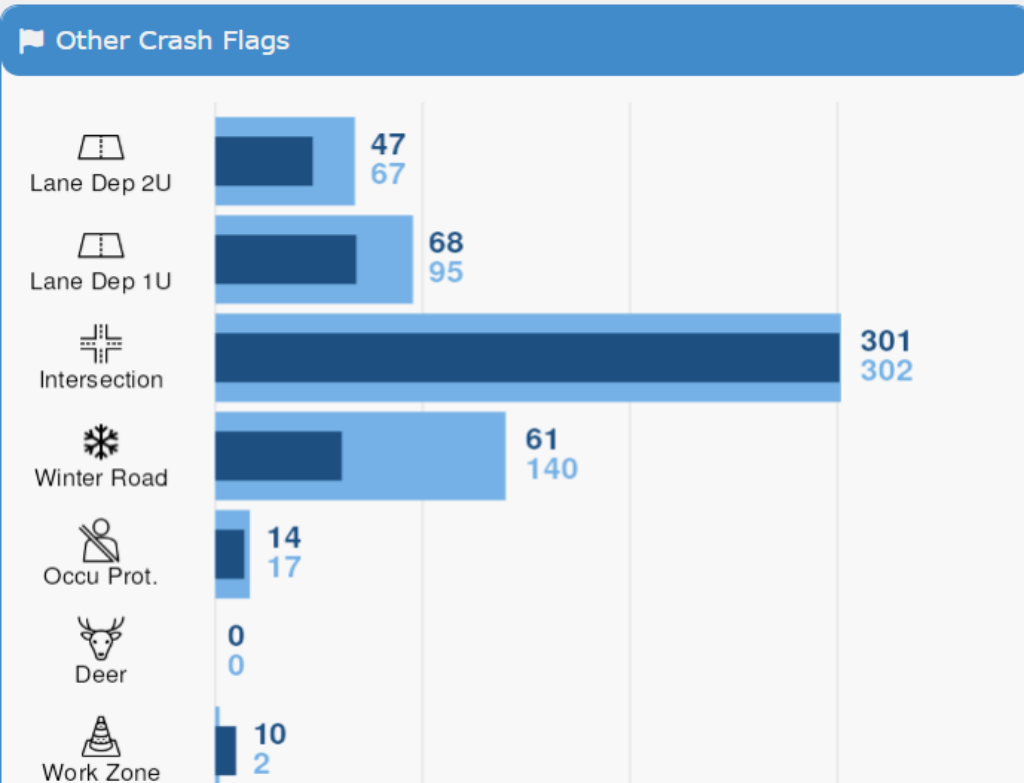
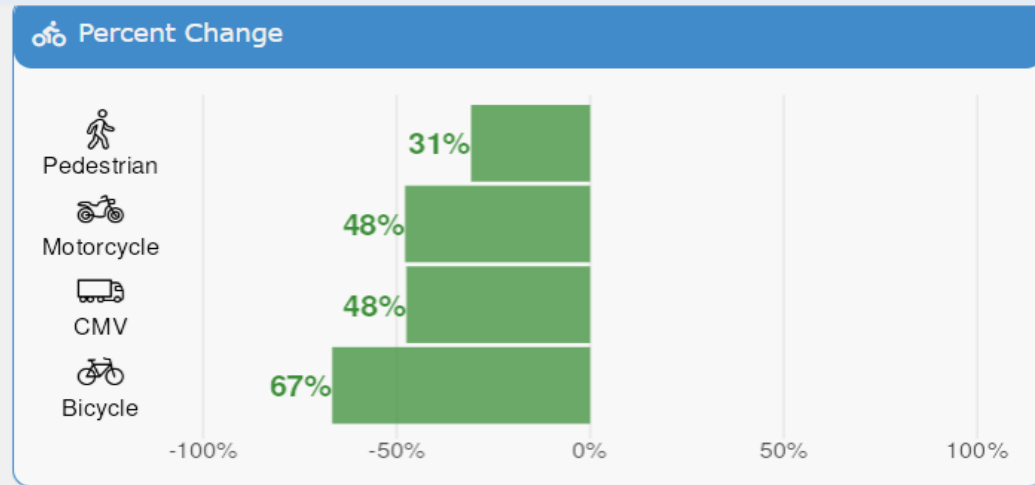
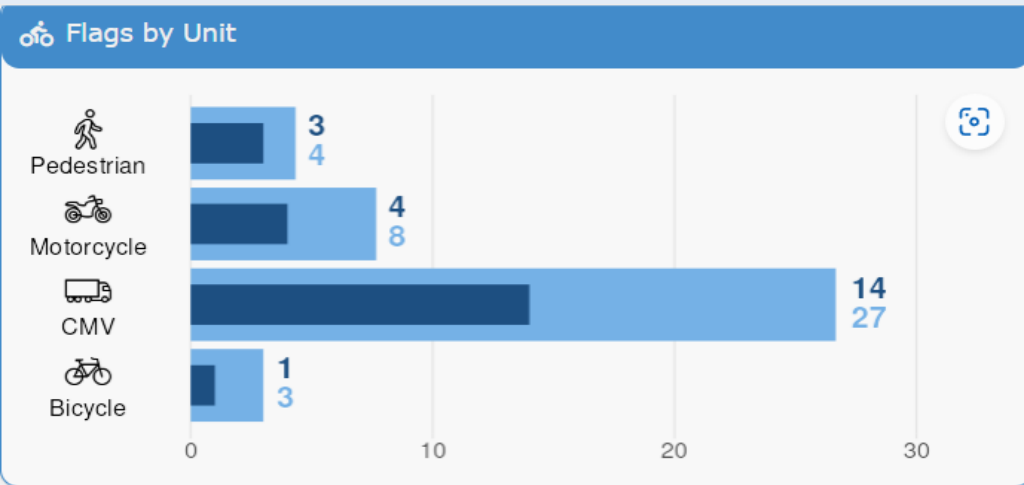
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3 Year Average – Eau Claire PD



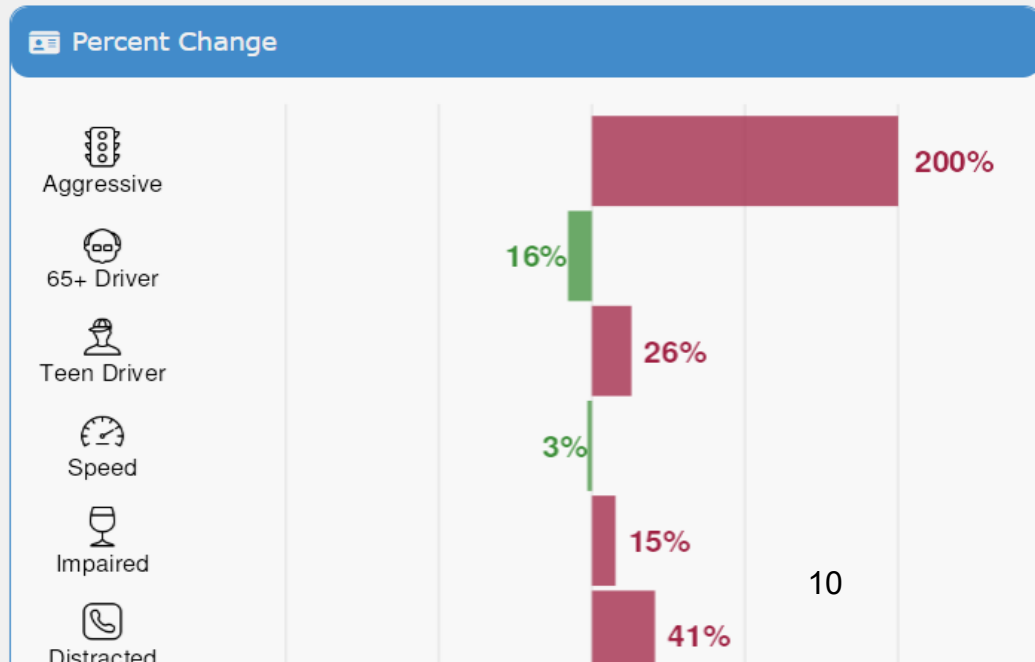
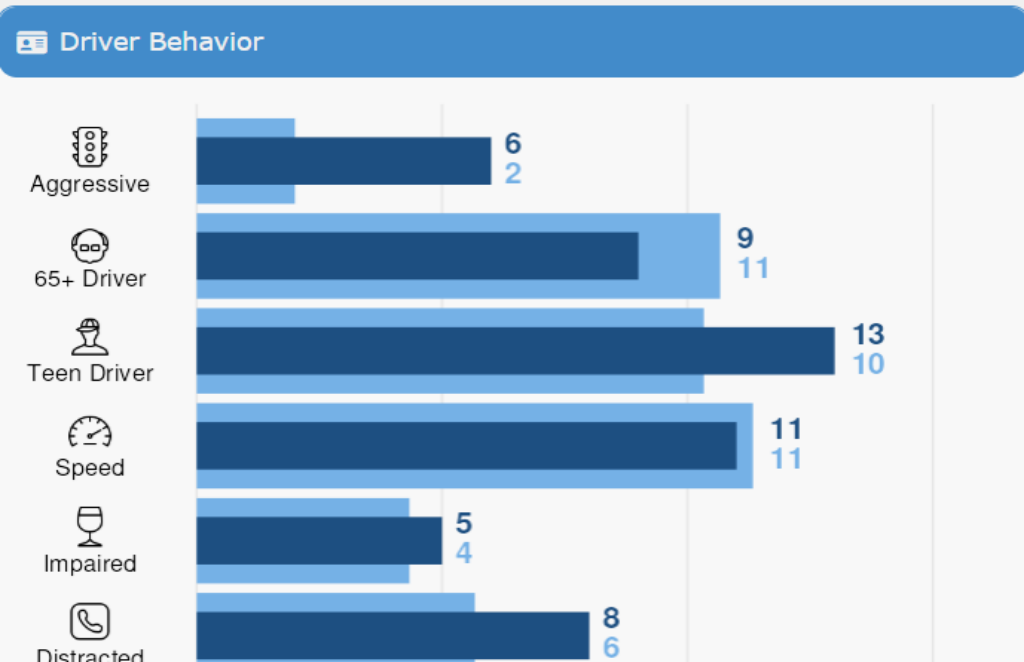
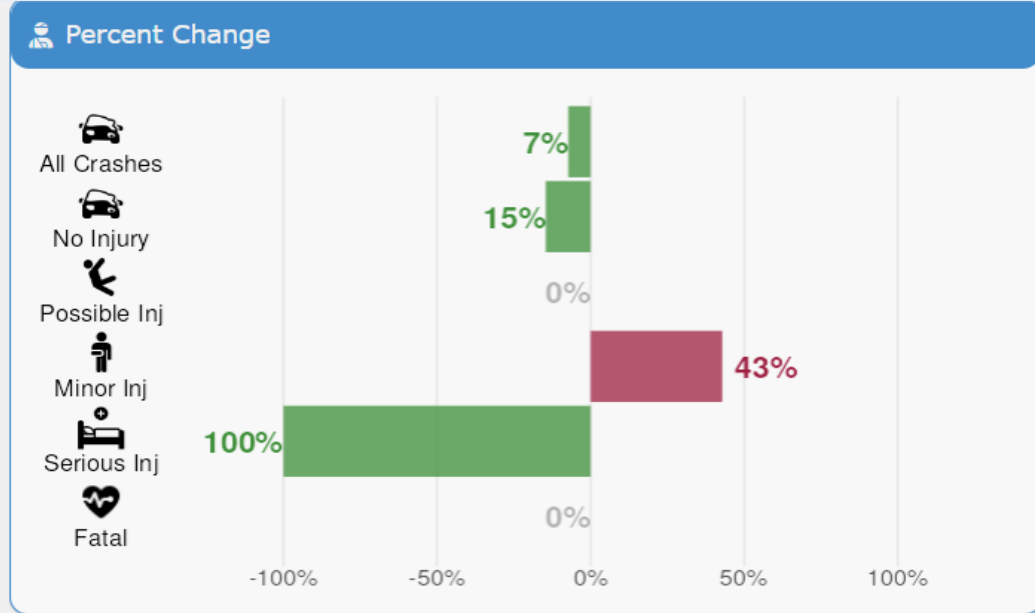
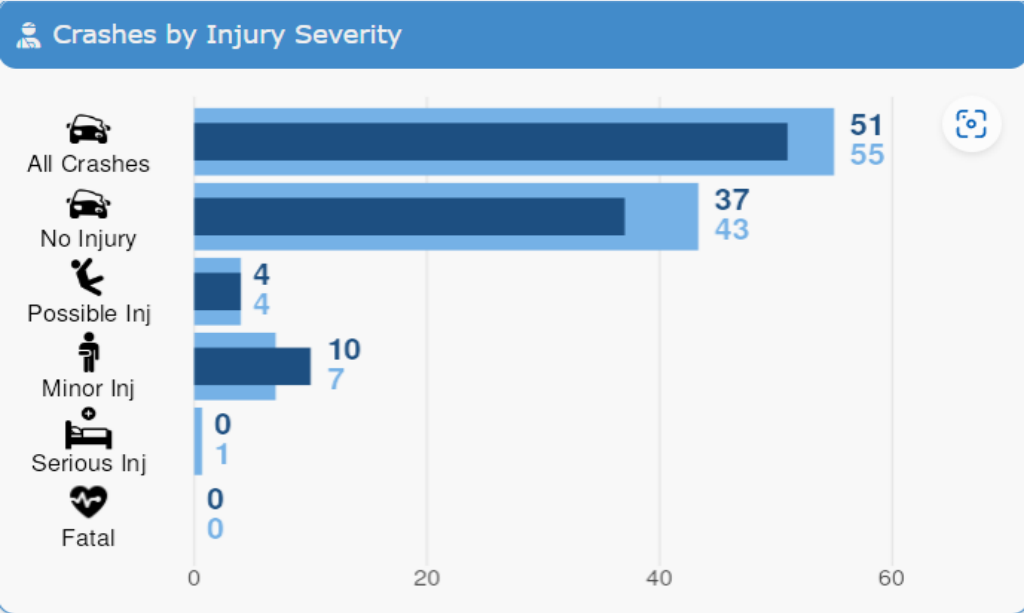
January to June 2024

3 Year Average – Eau Claire PD



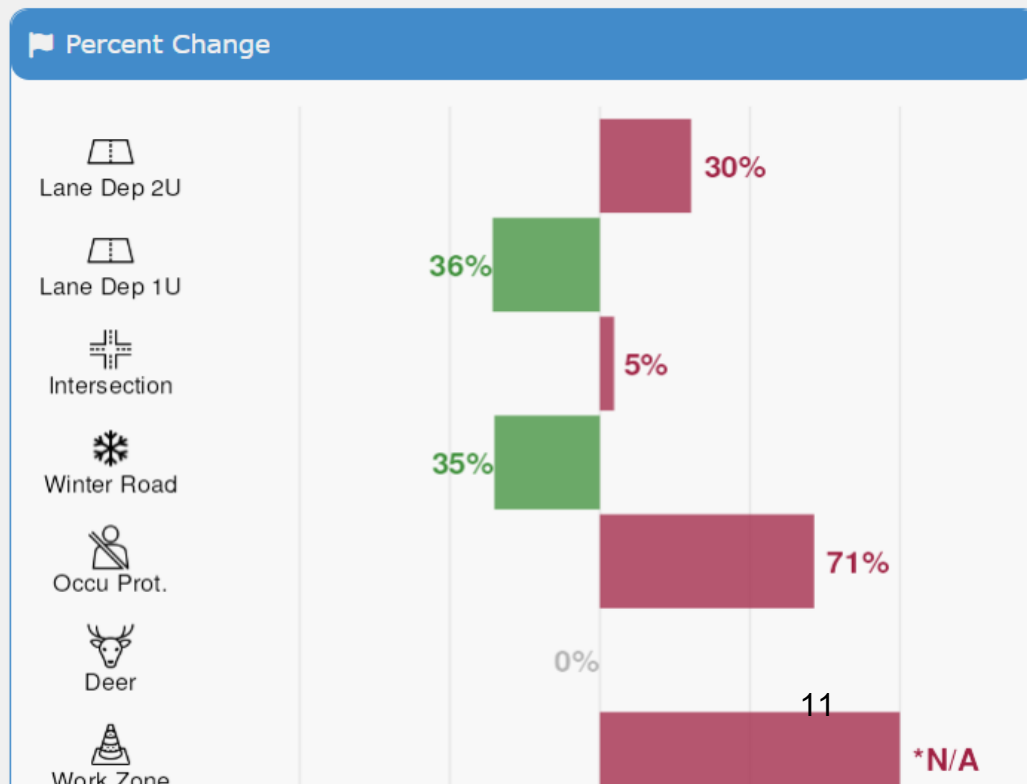
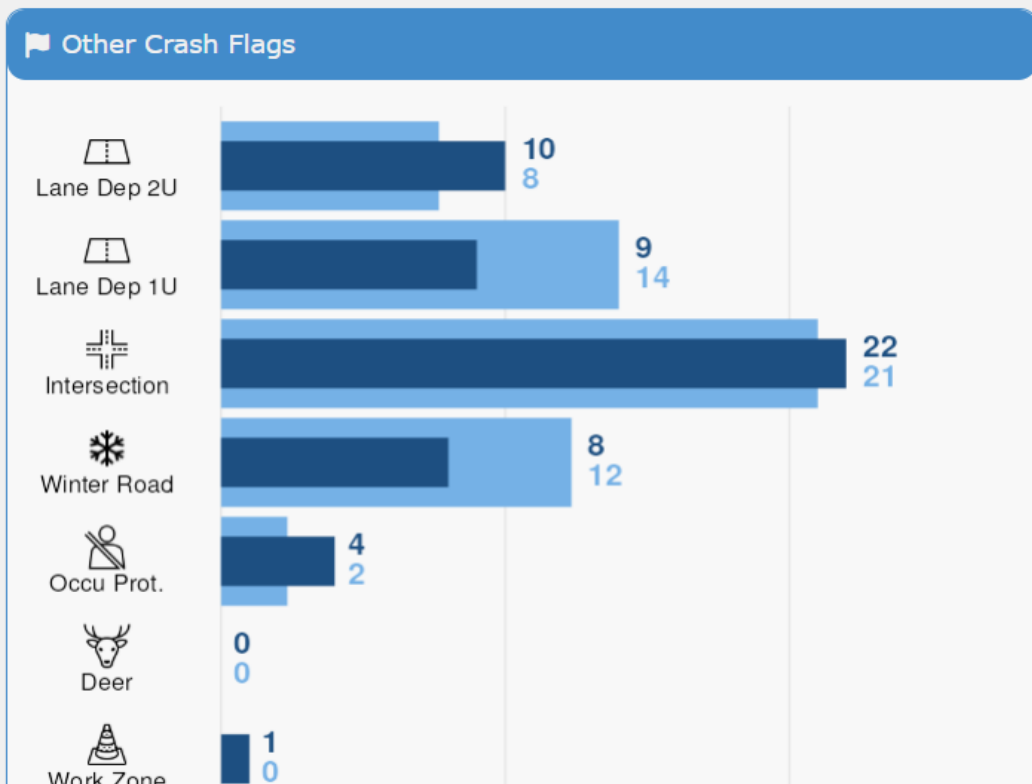
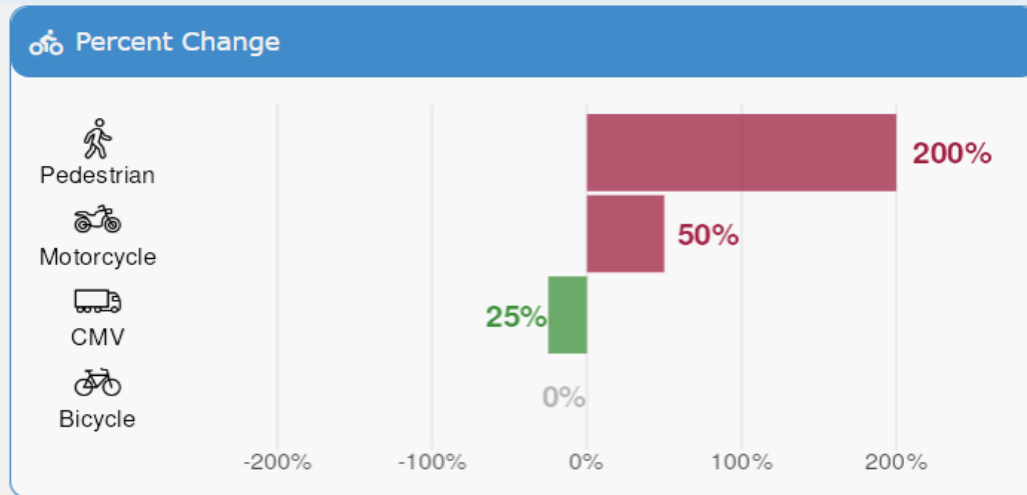
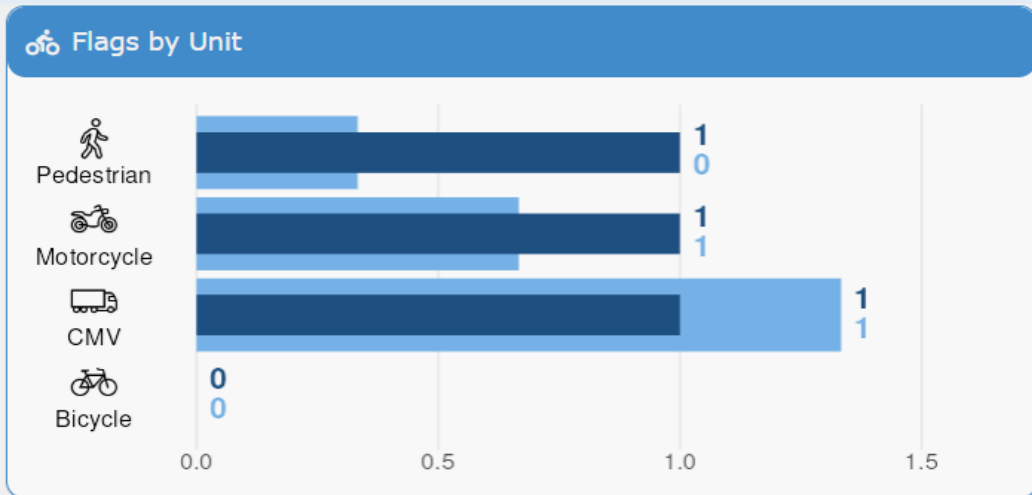
January to June 2024

3 Year Average – Altoona PD



January to June 2024

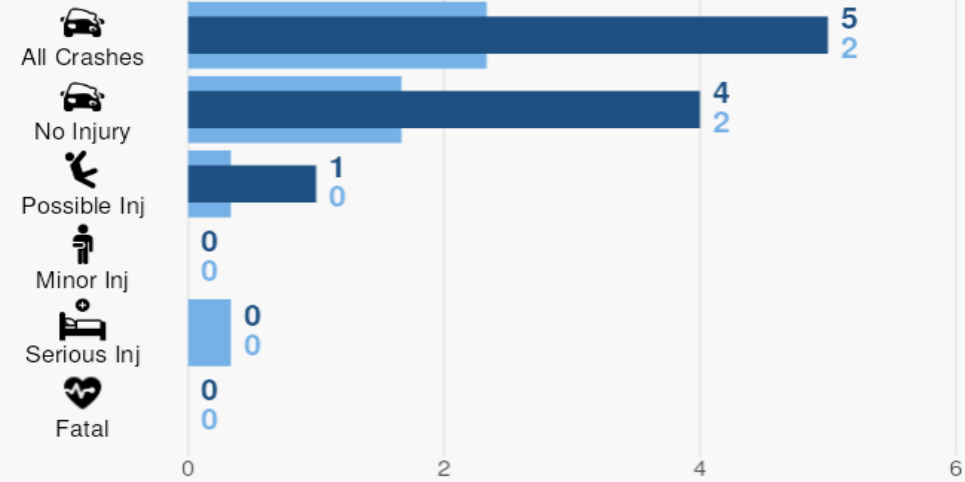
3 Year Average – Altoona PD



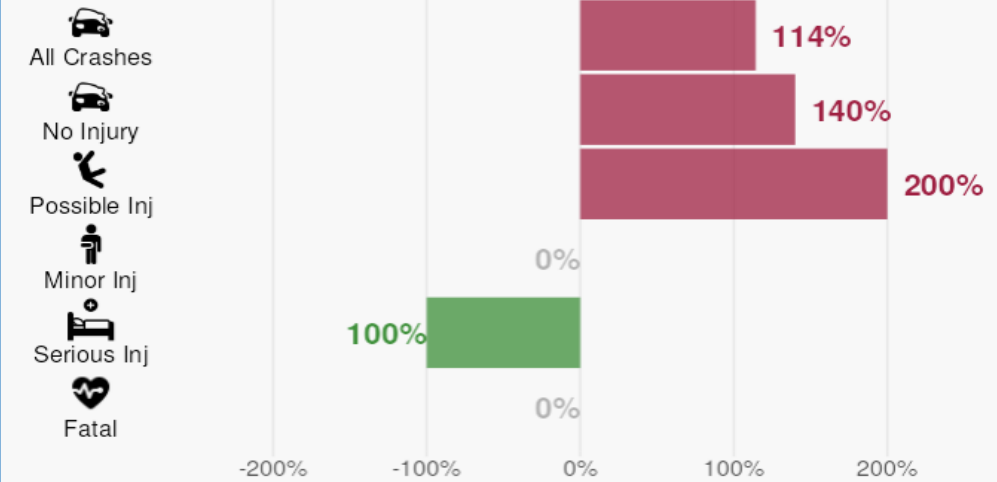
January to June 2024

3 Year Average Augusta PD

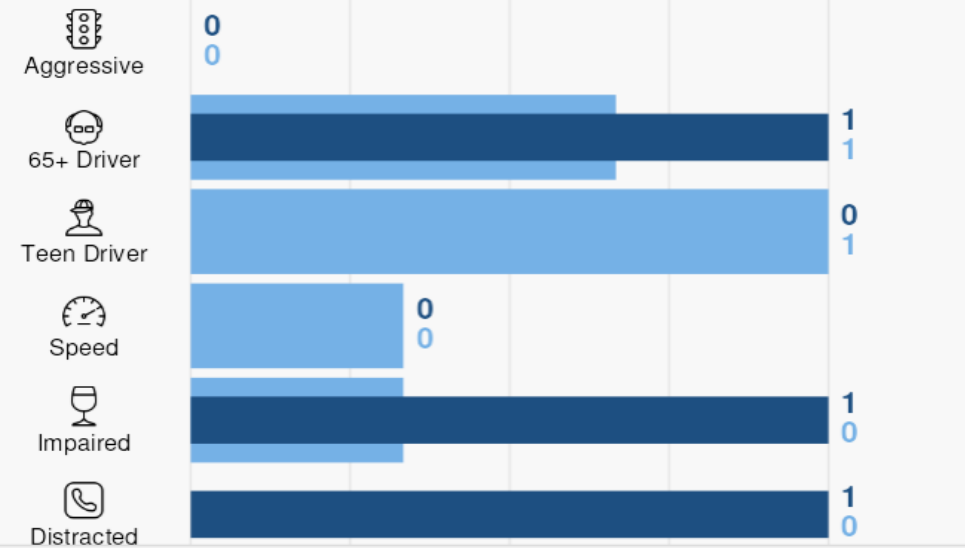
Crashes by Injury Severity



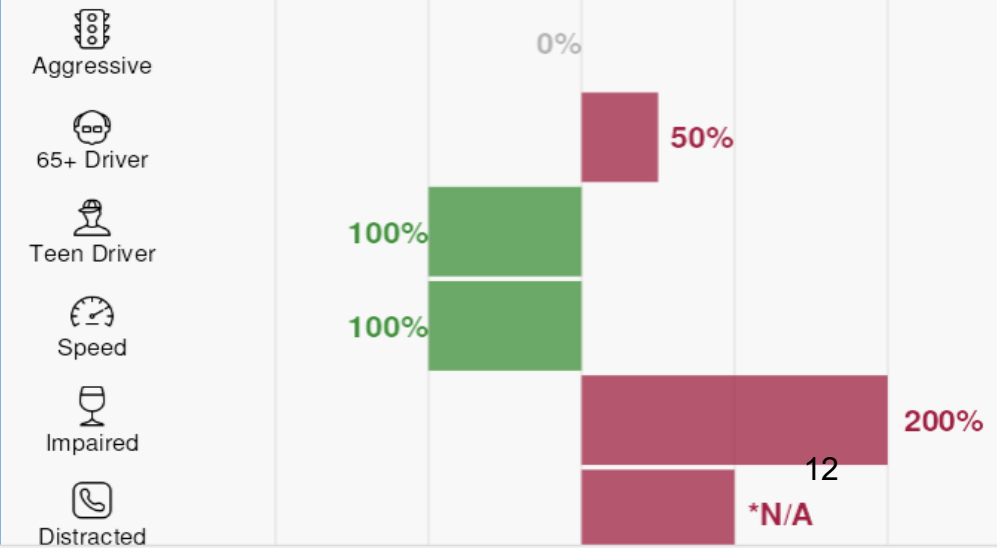
Percent Change



Driver Behavior



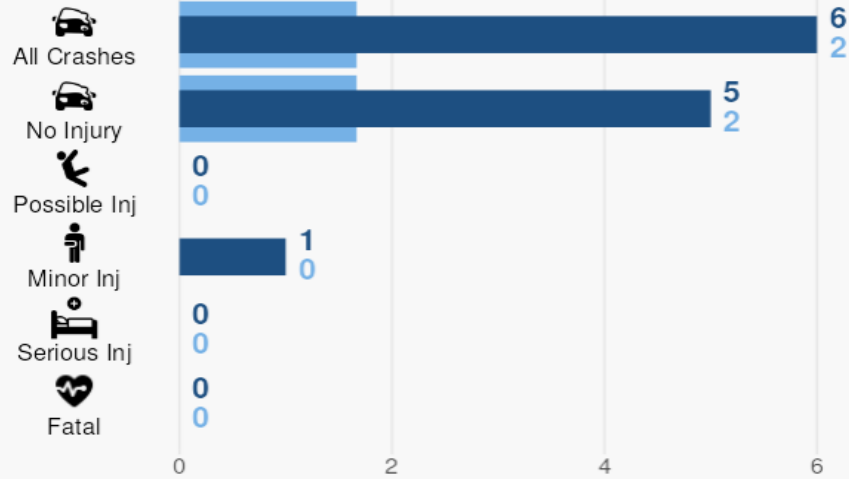
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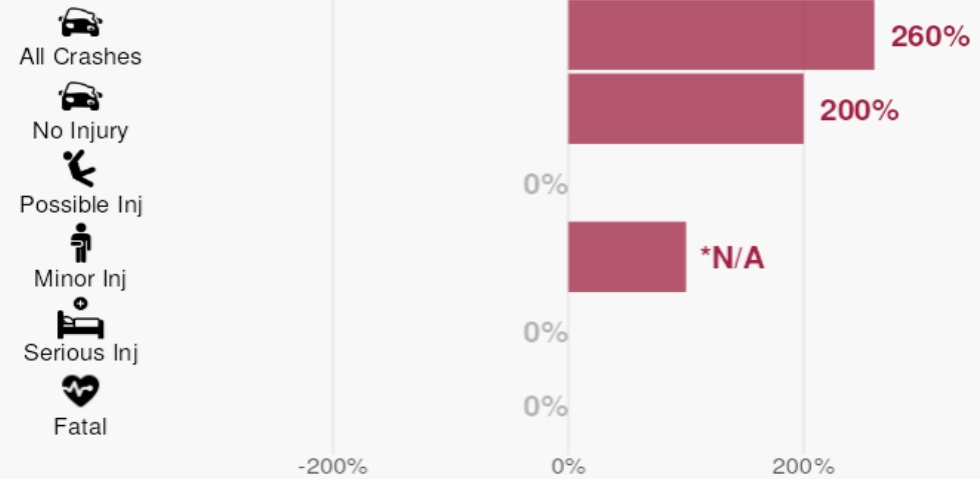
January to June 2024

3 Year Average Fall Creek PD

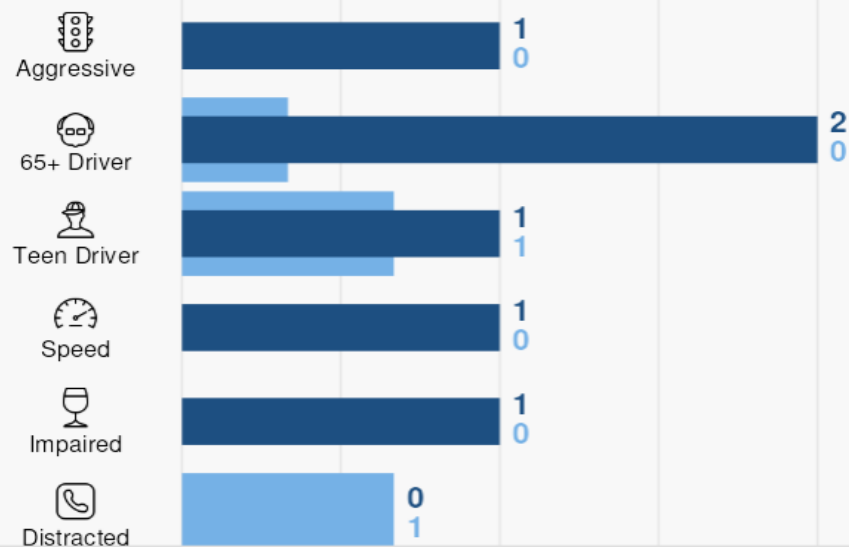
Crashes by Injury Severity



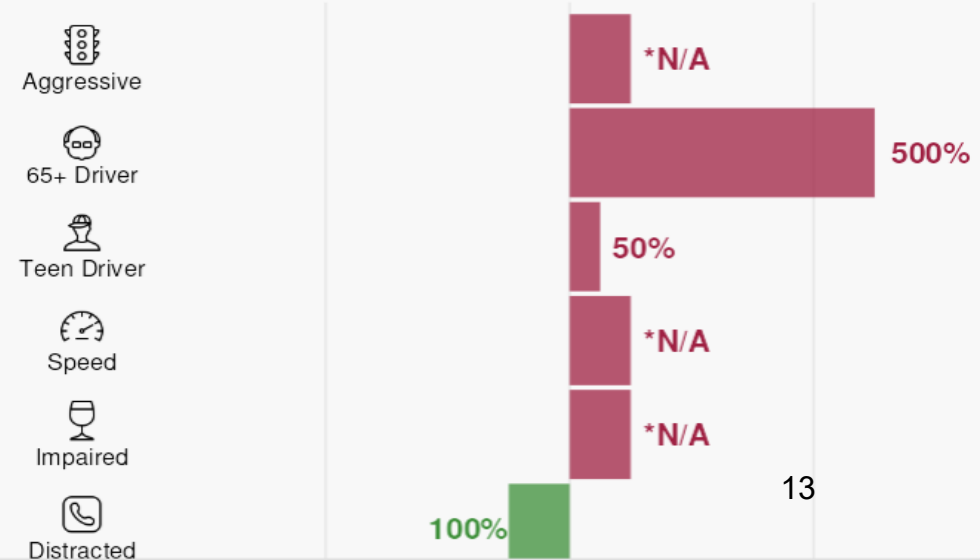
Percent Change



Driver Behavior



Percent Change



Eau Claire County Sheriff

(K,A,B,C,O) 1-01-24 to 6-30-24

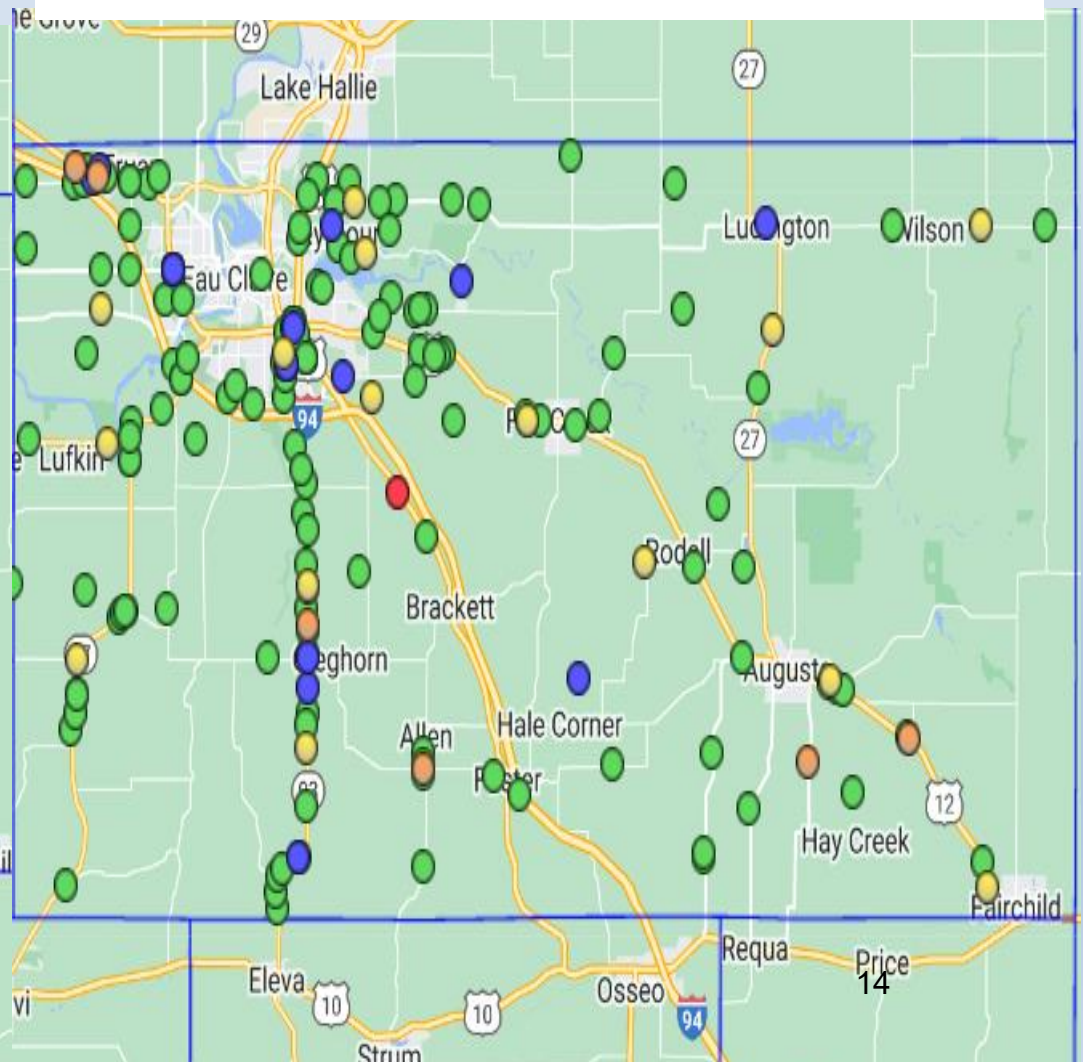
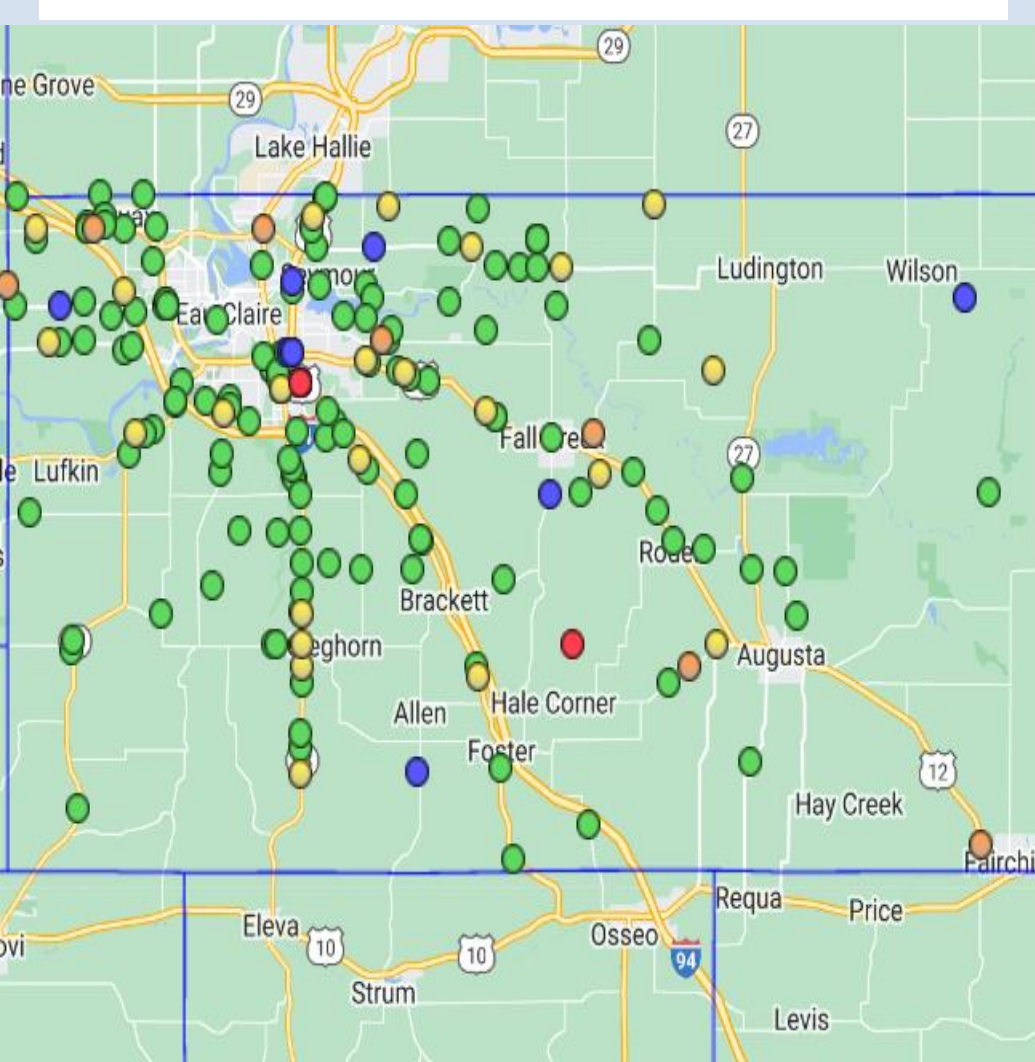
(K,A,B,C,O) 1-01-23 to 6-30-23

● Fatality ● Injury (A) ● Injury (B) ● Injury (C) ● Property Damage

There were **198** total crashes reported resulting in **2** fatalities and **54** injuries. Of this total, **195** crashes are mapped. [\[More\]](#)

● Fatality ● Injury (A) ● Injury (B) ● Injury (C) ● Property Damage

There were **193** total crashes reported resulting in **1** fatalities and **52** injuries. Of this total, **192** crashes are mapped. [\[More\]](#)



WI State Patrol NWR/EAU

(K,A,B,C,O) 1-01-24 to 6-30-24

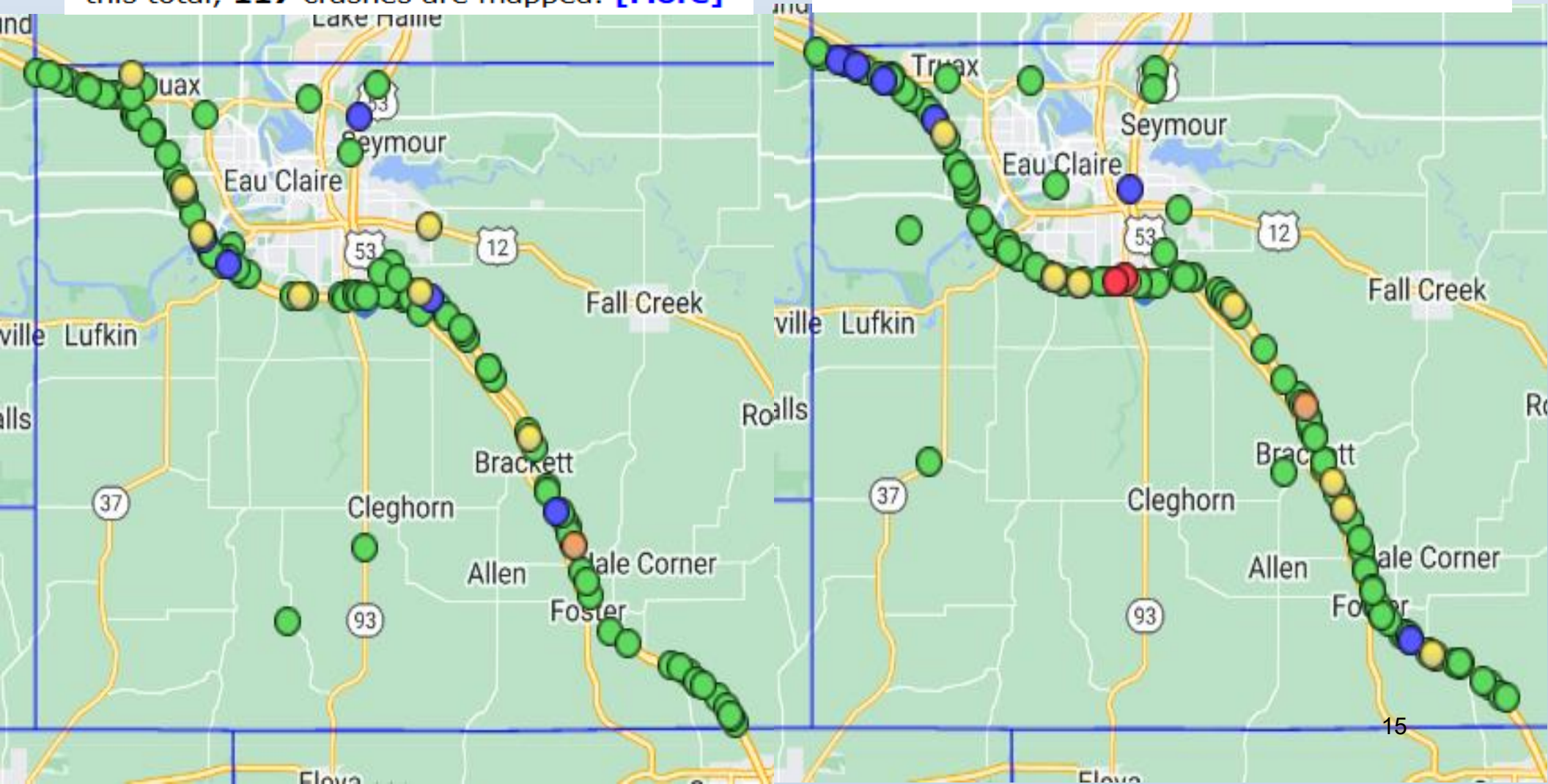
(K,A,B,C,O) 1-01-23 to 6-30-23

● Fatality ● Injury (A) ● Injury (B) ● Injury (C) ● Property Damage

There were **118** total crashes reported resulting in **0** fatalities and **17** injuries. Of this total, **117** crashes are mapped. [\[More\]](#)

● Fatality ● Injury (A) ● Injury (B) ● Injury (C) ● Property Damage

There were **136** total crashes reported resulting in **2** fatalities and **30** injuries. Of this total, **135** crashes are mapped. [\[More\]](#)



WISCONSIN FATALITY TOTALS

7/21/2024

	Year to Date		Year End Totals	
	Crashes	Fatalities	Crashes	Fatalities
2024	243	285		
2023	278	302	512	563
2022	283	309	545	593
2021	254	272	544	593
2020	260	292	538	591
2019	241	261	510	550
5 Year Average	263	287	530	578

	2024 Interstate Data		2023 Interstate Data	
	Crashes	Fatalities	Crashes	Fatalities
Rural	10	10	16	20
Urban	3	3	4	4

	2024 Roles		2023 Roles	
	Crashes	Fatalities	Crashes	Fatalities
BICYCLIST	1		BICYCLIST	3
DRIVER	153		DRIVER	159
MC DRIVER	41		MC DRIVER	50
MC PASSENGER	6		MC PASSENGER	3
PASSENGER	55		PASSENGER	50
PEDESTRIAN	28		PEDESTRIAN	37
UNKNOWN	1			

WISCONSIN FATALITY TOTALS

SAFEST AND WORST MONTHS OF JUNE

June 2024 (as of 07-01-24)

As of this morning, we are at 48 killed in 39 crashes. Please note that additional fatalities may be incurred because a person is considered a fatality if they pass on within 30 days as a result of their crash.

June 2024 tentative: 48 killed in 39 fatal crashes.

June 2023: 58 killed in 55 fatal crashes.

5-yr average for June (2019-2023): 59 killed in 53 crashes.

10 Safest Junes (since WW II):

41 -- 2019

44 -- 2015

45 -- 1946

49 -- 2014

52 -- 1950, 2011

55 -- 1992, 1994, 2008, 2010

10 Worst Junes (since WW II):

115 -- 1956

114 -- 1962

113 -- 1967

110 -- 1969, 1973

109 -- 1978

106 -- 1972, 1988

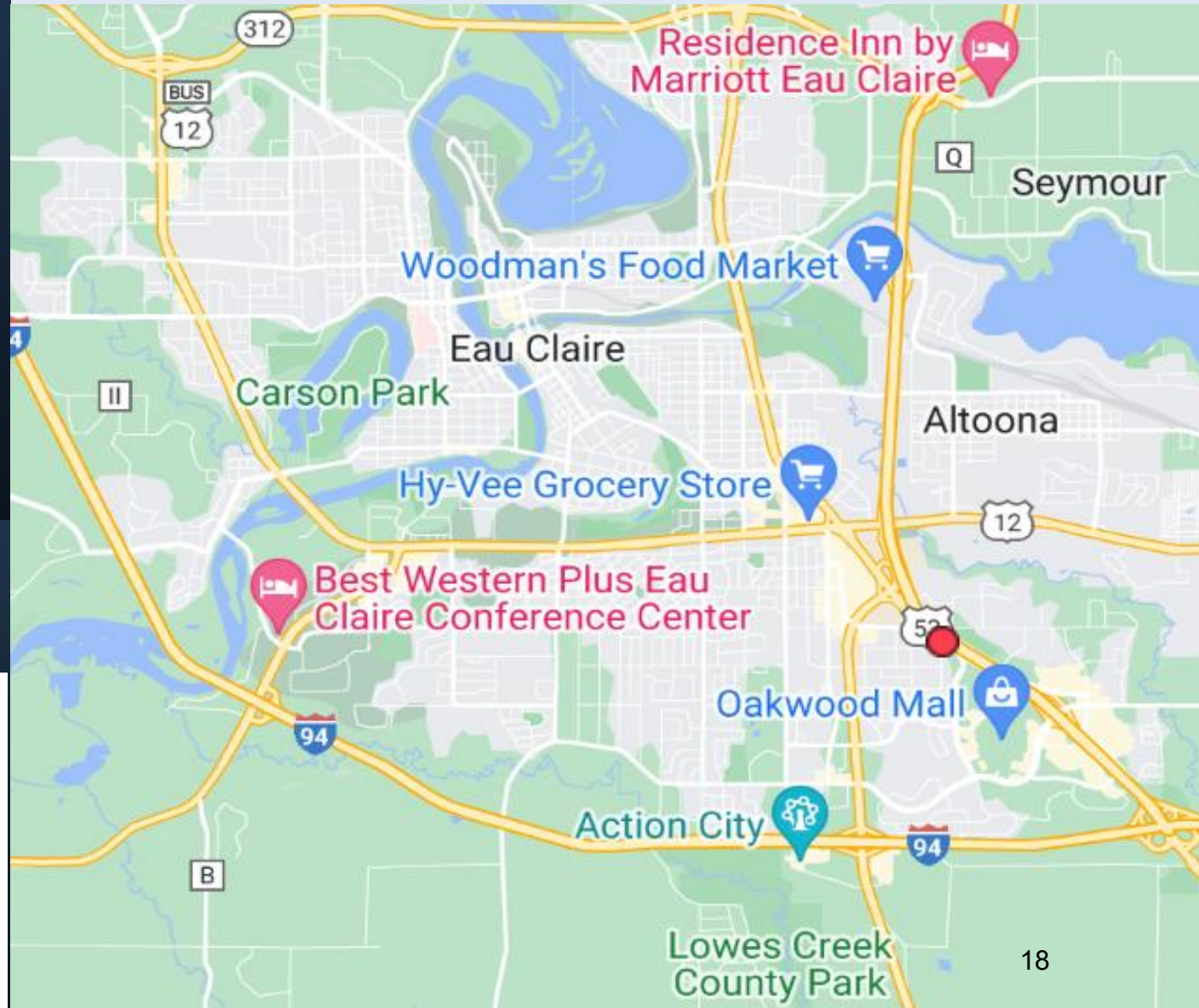
104 -- 1966, 1979

EAU CLAIRE FATALITY TOTALS

4/23/24
7/23/24

● Fatality ● Injury (A) ● Injury (B) ● Injury (C)
● Property Damage

There were **1** total crashes reported resulting in **1** fatalities and **2** injuries. Of this total, **1** crashes are mapped. [\[More\]](#)



2WLOB2G273

PINE LODGE RD AT OAKWOOD HILLS
PKWY

WASHINGTON (T), EAU CLAIRE County
(K) Fatality

06/25/2024

Flags: Distracted, Occp Protection, 65+
Driver, Lane Depart 2U+

FATAL CRASH REVIEW

6/25/2024 at 11:11 AM

Cypress St. at Oakwood Hills PKWY in town of Washington.

2 vehicle intersection related crash involving a driver who failed to yield right of way while making a left turn into the path of an oncoming vehicle.

2 Injuries with 1 fatality.

Daylight with clear and dry conditions in 30 MPH zone.

Full closure for 1 hour.

Intersection was traffic light controlled with level and straight construction.

2WLOB2G273

Document Number Override		Primary Crash Document #		Agency Crash Number		Investigating Officer/Deputy B. GUTH	
Crash Date 06/25/2024		Crash Time 11:11 AM		Date Arrived 06/25/2024		Time Arrived 11:18 AM	
Date Notified 06/25/2024		Time Notified 11:12 AM		Total Units 02		Total Injured 02	Total Killed 01
<input type="checkbox"/> On Emergency	<input type="checkbox"/> Hit and Run	<input checked="" type="checkbox"/> Lane Closure		<input type="checkbox"/> Work Zone		<input type="checkbox"/> Trailer or Towed	<input type="checkbox"/> Reporting Threshold
<input type="checkbox"/> Government Property		<input type="checkbox"/> Active School Zone		School Bus Related NO		Tags	
<input checked="" type="checkbox"/> Reportable		Crash Type DT4000 (STANDARD CRASH)		<input type="checkbox"/> Amended		<input type="checkbox"/> Secondary Crash	

Description



Reconstruction By
EAU CLAIRE COUNTY SHERIFF

Photos By
DEPUTY PRUDLICK

Additional Information
**FATAL CRASH SUPPLEMENT,
PHOTOS, RECONSTRUCTION,
WITNESS STATEMENTS**

UNIT 1 WAS STOPPED IN THE LEFT TURN LANE OF THE EASTBOUND LANE OF OAKWOOD HILLS PARKWAY AT THE INTERSECTION OF CYPRESS ST. OPERATOR OF UNIT 1 STATED THE TRAFFIC LIGHT TURNED GREEN AND WAITED FOR A VEHICLE TO PROCEED WEST IN LANE 1 OF WESTBOUND OAKWOOD HILLS PKWY. UNIT 2 WAS TRAVELING IN LANE 2 OF WESTBOUND OAKWOOD HILLS PKWY. UNIT 1 STARTED TO MAKE A LEFT TURN, NORTH ONTO CYPRESS ST WHEN UNIT 2 ENTERED THE INTERSECTION AND STRUCK UNIT 1. UNIT 1 CAME TO REST ON THE NORTH SIDE OF THE INTERSECTION PARTIALLY ON THE SIDEWALK. UNIT 2 CAME TO REST IN LANE 2 OF THE WESTBOUND LANE OF OAKWOOD HILLS PKWY. BOTH INDIVIDUALS IN UNIT 1 WERE TRANSPORTED TO MAYO HOSPITAL WITH SERIOUS INJURIES. THE PASSENGER OF UNIT 2 WAS TRANSPORTED TO MAYO HOSPITAL AND THEN DIED AS A RESULT OF THE INJURIES SUSTAINED IN THE CRASH.



Unit #1 Driver's View



Unit #2 Driver's View

Unit #1 was a '19 Pacifica driven by a 75-year-old male. The driver was wearing a seatbelt with airbag deployment and reported serious injuries.

Unit #1 driver performed a left turn and pulled in front of oncoming traffic. FYR.

Unit #1 driver was not trapped or ejected and received ground transport by EMS.

Alcohol and Drugs were not suspected with no test given.

Location		
ON PINE LODGE RD 26 FT N OF OAKWOOD HILLS PKWY IN THE TOWN OF WASHINGTON IN EAU CLAIRE COUNTY	Latitude 44.784105103	Longitude -91.448813908
	X Coordinate 148048.1875	Y Coordinate 4968603
Structure Type NO STRUCTURE		

Crash Scene			
First Harmful Event MOTOR VEH IN TRANSPORT		First Harmful Event Location ON ROADWAY	
Manner of Collision 02 - FRONT TO FRONT		Light Condition DAYLIGHT	
Road Surface Condition(s) DRY		Roadway Factor(s)	
Environment Factor(s) VISUAL OBSTRUCTION (S), OTHER		NONE	
Weather Condition(s) CLEAR			
Animal Type		Relation To Trafficway TRAFFICWAY - ON ROAD	
Crash Classification - Location PUBLIC PROPERTY		Crash Classification - Jurisdiction NO SPECIAL JURISDICTION	
Tribal Land		Access Control NO CONTROL	Special Study
Within Interchange Area NO	Junction Location INTERSECTION	Intersection Type FOUR-WAY INTERSECTION	
Closure Type FULL CLOSURE		Reasons for Closure LAW ENFORCEMENT, TOW TRUCK, FIRE/EMS	
Date Initial Lane/Rd Closed 06/25/2024	Time Initial Lane/Rd Closed 11:18 AM		
Date All Lanes Open 06/25/2024	Time All Lanes Open 12:03 PM	Date Scene Cleared 06/25/2024	Time Scene Cleared 12:04 PM


Unit Summary					
UNIT 01	Unit Status IN TRANSIT		Vehicle Operating As Classification D CLASS		Unit Type AUTOMOBILE
	Vehicle Type PASSENGER CAR			Operating As Endorsements	
	Total Occs 2	Train/Bus # Recorded	Total # Citations Issued 0	Total Trailers 0	Total HazMat Types 0
	Insurance? YES	Direction Of Travel EASTBOUND	<input type="checkbox"/> Pre CrashTire Mark	Speed Limit 30	Total Lanes 2
	Most Harmful Event: Collision With MOTOR VEH IN TRANSPORT		Special Function NO SPECIAL FUNCTION		Emergency Motor Vehicle Use NOT APPLICABLE
	Traffic Way TWO-WAY, DIVIDED, UNPROTECTED (PAINTED > 4		Traffic Control TRAFFIC SIGNAL		Traffic Control Inoperative/Missing NO
	Surface Type BLACKTOP (BITUMINOUS)		Road Curvature STRAIGHT		Road Grade LEVEL
	Truck Bus or HazMat NO				
	Vehicle				
	License Plate Number MV894A		Plate Type DLR - DEALER	St WI	Country of Issuance UNITED STATES
Vehicle Identification Number 2C4RC1BG1KR625319		Make CHRYSLER	Year 2019	Model PACIFICA	22

DT4000 reports a “Visual Obstruction” under Environmental Factors in the CRASH SCENE heading

Unit #1 passenger was a 73-year-old female who was not trapped or ejected.

They were wearing a seatbelt and had airbag deployment.

The passenger received serious injuries with ground transport by EMS.

UNIT	VEHICLE	Color MAR - MAROON (BURGUNDY)	Body Style MV - MINI VAN	Bus Use	
		Initial Contact Point 01 - RIGHT FRONT CORNER	Vehicle Damage 01 - RIGHT FRONT CORNER, 02 - RIGHT SIDE FRONT, 03 - RIGHT SIDE MIDDLE, 12 - FRONT		
		Extent Of Damage DISABLING DAMAGE	Vehicle Removed By A TO Z		
		Towed Due To Damage TOWED DUE TO DISABLING DAMAGE	Vehicle Factors NOT APPLICABLE		
UNIT	VEHICLE	What Driver Was Doing LEFT TURN	Driver Prior Action Other		
		Driver Actions FAILED TO YIELD RIGHT-OF-WAY, LOOKED BUT DID NOT SEE			
01	01	Owner Name JOHNSON AUTO SALES (715) 839-9991	Owner Address 2702 PRESTON RD EAU CLAIRE, WI 54703 , US		
		Sequence Of Events			
01	01	Event MOTOR VEH IN TRANSPORT			
	02	Event			
	03	Event			
04	04	Event			
	Policy Holder				
UNIT	Insurance Company GEICO-CASUALTY-CO		Organization/Company JOHNSON AUTO SALES		
	Individual				
UNIT	INDIVIDUAL	Driver RUSSELL CHARLIE JOHNSON (715) 839-9991	Citations Issued 0	Sex MALE	
			Date of Birth 09/24/1948	Race WHITE	
		Address 2702 PRESTON RD EAU CLAIRE, WI 54703 , US	Driver License Number J5257234834405 STATE: WISCONSIN COUNTRY: UNITED STATES		
01	001	Safety Equipment		Safety Equipment SHOULDER & LAP BELT	
		On Duty Crash			
		Row 01 - FRONT ROW	Seat Position 07 - LEFT		
		Helmet Use		Helmet Compliance	
	Eye Protection		Tint Compliance		
	Injury	Injury Severity SUSPECTED SERIOUS INJUR	Airbag DEPLOYED-COMBINATION		
	Ejected NOT EJECTED	Ejection Path NOT EJECTED/NOT APPLICABLE	Trapped/Extricated NOT TRAPPED		
	Medical Transport EMS GROUND	EMS Agency Identifier 6001106	EMS Run # 24EF05154	23	

Unit #2 was a '12 Ford Explorer driven by a 41-year-old female. The driver was not wearing a seatbelt with airbag deployment.

Unit #2 driver was not trapped or ejected with no injury reported.

Unit #2 driver was determined to be distracted by looking away from the task of driving. The source of the distraction was listed as the passenger.

Unit #2 was not suspected of ETOH/Drugs, with no test completed.

Hospital MAYO CLINIC HEALTH SYS-EAU CLAIRE		Date of Death	Time of Death
Distracted By		Distracted By Source NOT APPLICABLE (NOT DISTRACTED)	
Distracted By Action NOT DISTRACTED			
Non Motorist		Striking Unit #	Location
Prior Action			
Action			
Action Other			To/From School
Drug & Alcohol		Suspected Alcohol Use NO	Suspected Drug Use NO
Alcohol Test Given TEST NOT GIVEN		Alcohol Test Type	Alcohol Test Results
Drug Test Given TEST NOT GIVEN		Drug Test Type	Drug Test Results
Drug Type			
Individual Condition APPEARED NORMAL			
Individual			
Passenger JANE MARIE JOHNSON (715) 839-9991		Citations Issued 0	Sex FEMALE
Address 2702 PRESTON RD EAU CLAIRE, WI 54703 , US		Date of Birth 06/26/1950	Race WHITE
		Driver License Number J5254535072603 STATE: WISCONSIN COUNTRY: UNITED STATES	
Safety Equipment		On Duty Crash	Safety Equipment
Row 01 - FRONT ROW	Seat Position 09 - RIGHT	SHOULDER & LAP BELT	
Helmet Use		Helmet Compliance	
Eye Protection		Tint Compliance	
Injury		Injury Severity SUSPECTED SERIOUS INJUR	Airbag DEPLOYED-COMBINATION
Ejected NOT EJECTED	Ejection Path NOT EJECTED/NOT APPLICABLE		Trapped/Extricated NOT TRAPPED
Medical Transport EMS GROUND		EMS Agency Identifier 6001106	EMS Run # 24EF05154
Hospital MAYO CLINIC HEALTH SYS-EAU CLAIRE		Date of Death	Time of Death 24

Unit #2 passenger was a 45-year-old male. He was not wearing a seatbelt with combination airbag deployment.

Not trapped or ejected from the vehicle.

Unit #2 passenger was believed to be under the influence of drugs.

Unit #2 passenger received ground transport by EMS but listed as a fatal injury.

UNIT	Distracted By		Distracted By Source						
	Distracted By Action								
	Non Motorist		Striking Unit #	Location					
	Prior Action								
	Action								
	Action Other								
	To/From School								
	Drug & Alcohol		Suspected Alcohol Use NO	Suspected Drug Use NO					
	Alcohol Test Given TEST NOT GIVEN		Alcohol Test Type		Alcohol Test Results				
	Drug Test Given TEST NOT GIVEN		Drug Test Type		Drug Test Results				
01	002	Drug Type							
		Individual Condition APPEARED NORMAL							
Unit Summary									
UNIT	02	Unit Status IN TRANSIT		Vehicle Operating As Classification D CLASS		Unit Type AUTOMOBILE			
		Vehicle Type PASSENGER CAR		Operating As Endorsements					
	Total Occs 2		Train/Bus # Recorded		Total # Citations Issued 0		Total Trailers 0		
	Insurance? YES		Direction Of Travel WESTBOUND		<input type="checkbox"/> Pre Crash Tire Mark		Speed Limit 30		
	Total HazMat Types 0		Total Lanes 2		Most Harmful Event: Collision With MOTOR VEH IN TRANSPORT		Special Function NO SPECIAL FUNCTION		
	Emergency Motor Vehicle Use NOT APPLICABLE		Traffic Way TWO-WAY, DIVIDED, UNPROTECTED (PAINTED > 4		Traffic Control TRAFFIC SIGNAL		Traffic Control Inoperative/Missing NO		
	Surface Type BLACKTOP (BITUMINOUS)		Road Curvature STRAIGHT		Road Grade LEVEL		Truck Bus or HazMat NO		
	02	02	Vehicle						
			License Plate Number AHW2266		Plate Type AUT - AUTOMOBILE		St WI	Country of Issuance UNITED STATES	
			Vehicle Identification Number 1FMHK7D83CGA12155		Make FORD		Year 2012	Model EXPLORER	
Color WHI - WHITE			Body Style UT - SPORT UTILITY VEHICLE		Bus Use				
Initial Contact Point 12 - FRONT									

Unit #1 driver was determined to be at fault for the crash.

The driver reported a green light, looked but did not see an oncoming vehicle as it turned left across 2 lanes of traffic.

The DT4000 mentions environmental factors causing a visual obstruction.

Unit #2 driver was identified as being distracted while driving which also led to the crash occurring.

UNIT VEHICLE	Extent Of Damage DISABLING DAMAGE		Vehicle Damage 01 - RIGHT FRONT CORNER, 02 - RIGHT SIDE FRONT, 10 - LEFT SIDE FRONT, 11 - LEFT FRONT CORNER, 12 - FRONT			
	Towed Due To Damage TOWED DUE TO DISABLING DAMAGE		Vehicle Removed By RODELL TOWING			
	What Driver Was Doing GOING STRAIGHT		Vehicle Factors			
	Driver Prior Action Other		NOT APPLICABLE			
UNIT VEHICLE	Driver Actions OTHER CONTRIBUTING ACTION					
	Owner Name CORY WAYNE HUIRAS (715) 379-5043		Owner Address 3626 SEYMOUR RD # 34 EAU CLAIRE, WI 54703 , US			
UNIT VEHICLE	Sequence Of Events					
	01	Event MOTOR VEH IN TRANSPORT				
	02	Event				
	03	Event				
UNIT VEHICLE	04	Event				
	Policy Holder					
Insurance Company GEICO-CASUALTY-CO		Individual CORY HUIRAS				
UNIT INDIVIDUAL	Individual					
	Driver SARAH MARIE HUIRAS (715) 379-8997		Citations Issued 0	Sex FEMALE		
	Address 3626 SEYMOUR RD # 48 EAU CLAIRE, WI 54703 , US		Date of Birth 09/07/1982	Race WHITE		
			Driver License Number H6207938282702 STATE: WISCONSIN COUNTRY: UNITED STATES			
UNIT VEHICLE	Safety Equipment		On Duty Crash		Safety Equipment	
	Row 01 - FRONT ROW	Seat Position 07 - LEFT	NONE USED - VEHICLE OCCUPANT			
	Helmet Use		Helmet Compliance			
	Eye Protection		Tint Compliance			
	02 003	Injury	Injury Severity NO APPARENT INJURY		Airbag DEPLOYED-COMBINATION	
		Ejected NOT EJECTED	Ejection Path NOT EJECTED/NOT APPLICABLE		Trapped/Extricated NOT TRAPPED	
	Medical Transport NOT TRANSPORTED		EMS Agency Identifier		EMS Run #	
Hospital		Date of Death		Time of Death		

Community Maps Training Videos

Community Maps - Traffic Safety for Wisconsin

See the [Community Maps Release Notes](#) for important updates. [About Community Maps crash data.](#)

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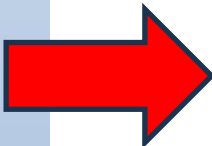
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Community Maps Training & Help

[Training Videos](#) [User Guides](#) [Technical Documentation](#)

Training Videos

Description	Version
Safety Engineering Overview	June 2024
Impaired Driving Flag	June 2024
Crash Report Narratives	June 2024
Crash Data Quality - Introduction	March 2024
Crash Data Quality - What Caused the Crash	March 2024
Spring 2023 User Group Zoom Recording	March 2023



User Guides

Description	Version
Community Maps Summary Handout	August 2023
Crash Flag Definitions	March 2024
Crash Flag Technical Documentation	March 2024

Community Maps Resources

Community Maps - Traffic Safety for Wisconsin

See the [Community Maps Release Notes](#) for important updates. [About Community Maps crash data.](#)

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Resources [Welcome, thorn](#) | [Manage Account](#) |

The following Traffic Safety Commission (TSC) resources are available:

Name	Description	Version
Regional Contact Information	For information about where and when your TSC meets, please contact one of the WisDOT Bureau of Transportation Safety (BOTS) Statewide Law Enforcement Liaisons (LELs).	January 2024
TSC Guidelines (Revised Feb 2023)	Download the new TSC Guideline document.	February 2023
TSC Master Schedules	Click here for a statewide schedule of Traffic Safety Commission meetings. Please note that meeting dates, times and locations are set by each local TSC, and therefore may change. You are encouraged to contact the local TSC or a LEL to verify meeting information.	2024
Wisconsin SHSP 2023-27	The current version of the Wisconsin Strategic Highway Safety Plan (SHSP) articulates strategies for the Wisconsin Department of Transportation and its many partners to address key challenges in the highway safety arena through 2027.	2023-2027
Legislative Summary	This document is produced by DSP/BOTS Analysts to provide our traffic safety partners with information on pending legislation that has an impact on traffic safety. Document is updated weekly.	Updated Weekly
Teen Driver Safety	Customizable Power Point presentation intended for law enforcement to use in Driver's Education classes.	June 2023



Community Maps Legislative Update

Community Maps - Traffic Safety for Wisconsin

See the Community Maps [Release Notes](#) for important updates. [About Community Maps crash data.](#)

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Teen Driver Safety Resources	Additional resources to be used as needed in the Teen Driver Safety ppt presentation.	June 2023

Community Maps Virtual Office Hours

Second Monday of
each Month from
12 pm to 1 pm

This is a great way to
learn how to use
Community Maps to
promote traffic safety
for your community
and organization.

Community Maps Virtual Office Hours

Second Monday of Each Month from 12 to 1 PM



If you are interested in learning more about Community Maps or have questions that need answers, please join us on the second Monday of each month at noon, beginning on July 8th. Community Maps Virtual Office Hours will be held on Zoom. Simply click the link below to join us!

https://uwmadison.zoom.us/j/97091429213?pwd=_FHjPsYlQxhYK1vxtWCiiOEvAAVmAHn.1

Who Should Attend?

- Traffic Safety Commission Members
- Law Enforcement Agency Supervisors
- Highway/Traffic Safety Professionals
- Current and New Users
- Anyone Interested in Community Maps



Scan the QR code to join the Zoom meeting!

Why Should You Attend?

To explore exciting new features, learn and share best practices, get your questions answered, and provide feedback.

Community Maps provides Wisconsin's law enforcement agencies and county Traffic Safety Commissions (TSCs) with a statewide map of all police reported motor vehicle crashes from 2010 to the current year. Fatal crashes are included from 2001. Crashes are updated on a nightly basis using geo-coded locations from the Wisconsin Department of Transportation (WisDOT) DT4000 police crash report. The Community Maps system was designed to support and enhance traffic safety planning, resource allocation, and decision support at the local level, in particular through the regular review of crashes at each of the county TSC quarterly meetings.

August 19–21, 2024

SAVE THE DATE

Wisconsin's 49th Annual

Governor's Conference on Highway Safety

Kalahari Convention Center
Wisconsin Dells, WI



GOVERNOR'S CONFERENCE ON HIGHWAY SAFETY

TSC Coordinator's Meeting & Dinner

49th Annual Governor's Conference on Highway Safety

The Wisconsin Department of Transportation would like to extend an invitation to all of the Traffic Safety Coordinators to join us for an informal dinner and meeting at the 49th Annual Governor's Conference on Highway Safety. This will be an opportunity to learn about the latest happenings in the world of TSCs, raise issues and questions, and network with your fellow traffic safety professionals.

Who: TSC Coordinator (or designee) plus up to one additional member (each needs to register)

When: Monday, August 19, 2023, 5:00 PM – 7:00 PM

Where: Kalahari Resort, Wisconsin Dells, Wisconsin. Room information can be found at the Conference registration table.

Cost: **Free**

Agenda:

1. Introductions
2. Best Practices
3. TSC Guidelines and Other Coordinator Resources
4. Roundtable Discussion
5. Session Adjournment and Networking

Registration: The deadline for registration is **July 8, 2024**. You can sign-up online for the TSC Coordinator Meeting & Dinner at: <https://forms.gle/eR92jCrqbyP9xjvc6>

Questions: Feel free to contact your TSC LEL with any questions.

SAFE SYSTEM APPROACH

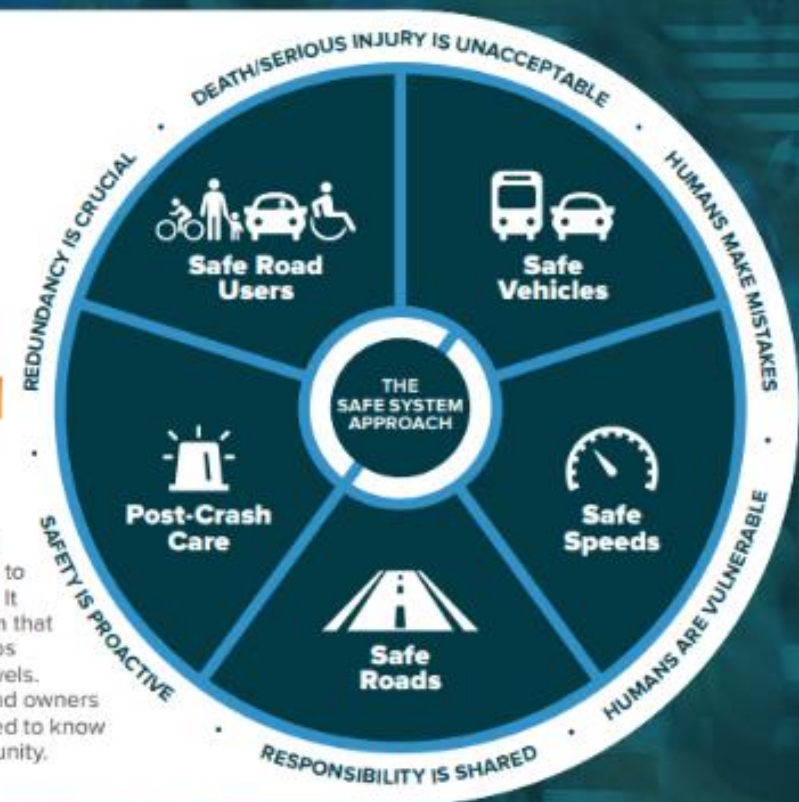
SAFE ROADS

THE SAFE SYSTEM

APPROACH

Zero is our goal. A Safe System is how we will get there.

Imagine a world where nobody has to die from vehicle crashes. The Safe System approach aims to eliminate fatal & serious injuries for all road users. It does so through a holistic view of the road system that first anticipates human mistakes and second keeps impact energy on the human body at tolerable levels. Safety is an ethical imperative of the designers and owners of the transportation system. Here's what you need to know to bring the Safe System approach to your community.



SAFE SYSTEM PRINCIPLES



Death/Serious Injury is Unacceptable

While no crashes are desirable, the Safe System approach prioritizes crashes that result in death and serious injuries, since no one should experience either when using the transportation system.



Humans Make Mistakes

People will inevitably make mistakes that can lead to crashes, but the transportation system can be designed and operated to accommodate human mistakes and injury tolerances and avoid death and serious injuries.



Humans Are Vulnerable

People have limits for tolerating crash forces before death and serious injury occurs; therefore, it is critical to design and operate a transportation system that is human-centric and accommodates human vulnerabilities.



Responsibility is Shared

All stakeholders (transportation system users and managers, vehicle manufacturers, etc.) must ensure that crashes don't lead to fatal or serious injuries.



Safety is Proactive

Proactive tools should be used to identify and mitigate latent risks in the transportation system, rather than waiting for crashes to occur and reacting afterwards.



Redundancy is Crucial

Reducing risks requires that all parts of the transportation system are strengthened, so that if one part fails, the other parts still protect people.

Federal Highway Administration

Proven Safety Countermeasures in Rural Communities



U.S. Department of Transportation
Federal Highway Administration

ZERO IS OUR GOAL
A SAFE SYSTEM IS HOW WE GET THERE

FHWA-SA-24-005



SPEED MANAGEMENT

NEW  **Speed Safety Cameras**

NEW  **Variable Speed Limits**

NEW  **Appropriate Speed Limits for All Road Users**

ROADWAY DEPARTURE

NEW  **Wider Edge Lines**

 **Enhanced Delineation for Horizontal Curves**

 **Longitudinal Rumble Strips and Stripes on Two-Lane Roads**

 **SafetyEdgeSM**

 **Roadside Design Improvements at Curves**

 **Median Barriers**

INTERSECTIONS

 **Backplates with Retroreflective Borders**

 **Corridor Access Management**

 **Dedicated Left- and Right-Turn Lanes at Intersections**

 **Reduced Left-Turn Conflict Intersections**

 **Roundabouts**

 **Systemic Application of Multiple Low-Cost Countermeasures at Stop-Controlled Intersections**




 **Yellow Change Intervals**



PEDESTRIANS/BICYCLES

-  **Crosswalk Visibility Enhancements**
-  **Bicycle Lanes**
-  **Rectangular Rapid Flashing Beacons (RRFB)**
-  **Leading Pedestrian Interval**
-  **Medians and Pedestrian Refuge Islands in Urban and Suburban Areas**
-  **Pedestrian Hybrid Beacons**
-  **Road Diets (Roadway Reconfiguration)**
-  **Walkways**

CROSSCUTTING

-  **Pavement Friction Management**
-  **Lighting**
-  **Local Road Safety Plans**
-  **Road Safety Audit**

Roadway Departure



Figure 3. Wider edge lines enhance visibility of the travel lane. Source: Thurston County, WA



Wider Edge Lines



Rural Applications/Considerations Wider edge lines (6 inches, per MUTCD Section 3A) improve visibility of travel lane boundaries compared to traditional edge lines (4 inches) and can provide safety benefits to all facility types (e.g., freeways, multilane divided and undivided highways, two-lane highways). Wider edge lines are commonly installed on rural two-lane highways, particularly those with a history of single-vehicle roadway departure crashes. Wider edge lines are a low-cost countermeasure. Installing wider edge lines over rumble strips (i.e., rumble stripes) can improve marking longevity and visibility in areas with snowplow operations.

Effectiveness of Widening Edge Lines (from 4 to 6 inches)

- 37% reduction in fatal and injury crashes on rural two-lane roads (CMF ID [4737](#)).

Case Studies

- ▷ Missouri undertook a major road surface improvement program in 2005-06 and analyzed three years of both pre- and post-installation crash data. The analysis revealed a 22% reduction in fatal and injury crashes on rural freeways from installing wider edge line markings as a standalone treatment. <https://spexternal.modot.mo.gov/sites/cm/CORDT/cmr12-002.pdf>
- ▷ Idaho evaluated the safety effects of using wider edge line markings on their rural two-lane highway system. Results indicated a benefit-to-cost ratio of 25:1. <https://rosap.ntl.bts.gov/view/dot/63580#:~:text=The%20reduction%20in%20crash%20rates,the%2095%20percent%20confidence%20level>

Figure 4. Shoulder rumble strips. Source: FHWA



Rumble Strips and Stripes

Rural Applications/Considerations Center line and shoulder rumble strips and stripes (where the pavement marking is placed over the rumble strip) are milled or rolled-in corrugations in the pavement to alert inattentive drivers that they are leaving their lane. Center line rumble strips/stripes can be used in both passing and no passing zones wherever an agency has identified risk factors (such as lane width, shoulder width, median type, horizontal curvature, or crash history), that indicate a higher probability of head-on crashes. Consider shoulder or edge line rumble strips/stripes wherever risk factors indicate a higher probability of run-off-road crashes.



Effectiveness

- Center line rumble strips on two-lane roads have resulted in a 44% to 64% reduction in head-on and opposite direction sideswipe fatal and injury crashes (CMF IDs [3358](#), [3356](#)).
- Shoulder rumble strips on rural freeways have resulted in a 13% to 51% reduction in run-off-road fatal and injury crashes (CMF IDs [3425](#), [3648](#)).

Case Study and Resources

- ▷ To reduce roadway departure crashes on rural roads, Mercer County, NJ implemented 6 miles of center line rumble strips across 18 different roads after seeing favorable results from pilot projects. Community backlash subsided after public outreach regarding safety benefits. <https://safety.fhwa.dot.gov/FoRRRwD/Countermeasure4-pager.pdf>
- ▷ FHWA developed the Sweet Sound of Safety informational video to highlight the safety benefits of centerline and shoulder rumble strips for community outreach purposes. <https://youtu.be/2V5-M4-070E>



Figure 5. Curve delineation enhancements may include in-lane curve warning pavement markings and chevron signs with retroreflective strips on sign posts. Source: FHWA



Enhanced Delineation for Horizontal Curves

Rural Applications/Considerations Horizontal curves are common crash locations, particularly at night or during inclement weather. Improving curve delineation through signage and/or pavement markings can promote proper vehicle alignment through the curve. There are a wide range of options available for improving horizontal curve delineation in advance of or within curves, either in combination or individually; common treatments include pavement markings, in-lane curve warning pavement markings, retroreflective strips on signposts, delineators (post-mounted or guardrail-mounted), chevrons, improving sign conspicuity (larger, fluorescent, and/or retroreflective signs), and dynamic warning signs or chevrons.

Effectiveness

- Installing chevrons on horizontal curves on rural two-lane roads has resulted in a 16% reduction in fatal and injury crashes overall and a 25% reduction in nighttime crashes. (CMF IDs [2438](#), [2439](#)).
- Installing in-lane curve warning pavement markings on rural two-lane roads has resulted in 35% reduction in total crashes. (CMF ID [10312](#)).

Case Study and Resources

- ▷ Bonner County, ID improved visibility at higher-risk rural horizontal curves by installing edge lines and delineators. The public has responded positively and requested the countermeasures at more locations. <https://safety.fhwa.dot.gov/FoRRRwD/Countermeasure4-pager.pdf>
- ▷ FHWA developed an instructional video for proper chevron sign spacing on horizontal curves. https://www.youtube.com/watch?v=LeI9_rffS34

Figure 6. Inside shoulder widening at a horizontal curve. Source: FHWA



Roadside Design Improvements at Curves

Rural Applications/Considerations Horizontal curves are associated with about 27 percent of all fatal crashes, and around 80 percent of those are roadway departure crashes. Improving the roadside environment can give vehicles space to recover safely and reduce the severity of crashes that occur. Typical roadside design improvements include vegetation management, delineation/relocation/removal of roadside objects, clear zone widening, flattening of side slopes, adding or widening shoulders, and installing roadside barrier.



Effectiveness

Widening the clear zone through tree removal on rural two-lane highways:

Increase distance to treeline by

- 5 to 8 ft: 35-49% reduction in total crashes.
- 10 to 13 ft: 57-66% reduction in total crashes.

(Source: NCHRP Report 440 https://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_440.pdf)

Case Study and Resources

- ▶ Lapeer County, MI, developed a proactive tree removal and trimming program by targeting locations for treatment using identified risk factors to reduce fixed object crashes on rural roads. <https://safety.fhwa.dot.gov/FoRRRwD/Countermeasure4-pager.pdf>
- ▶ Refer to the *Rural Roadway Departure Countermeasure Pocket Guide* for more information on this PSC. <https://safety.fhwa.dot.gov/FoRRRwD/RwDPocketGuide.pdf>

Intersections



Figure 7. Single lane roundabout in a rural area.
Source: Caltrans



Roundabouts



Rural Applications/Considerations Roughly one-third of intersection fatalities occur on rural two-lane highways, with posted speed limits over 40 mph. Unlike traditional intersections, roundabouts require yield control on entry and splitter islands on the approaches to reduce speeds both on approach and within the intersection. Single lane roundabouts at 4-legged intersections have 8 conflict points compared to 32 conflict points for a stop-controlled intersection. Roundabouts can reduce severe crashes (i.e., angle crashes) at intersections and travel delays at both isolated intersections and within rural town centers.

Effectiveness of Converting High-Speed Rural Intersection (4-leg) to Roundabout

- 68% reduction in total crashes (CMF ID [4697](#)).
- 88% reduction in injury crashes (CMF ID [4698](#)).

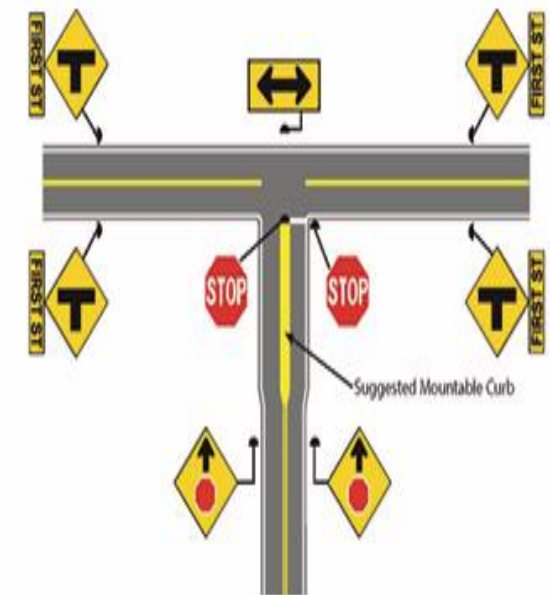
Case Studies

- ▶ Kansas DOT collaborated with freight stakeholders to design a roundabout that would reduce speeds and crashes without sacrificing mobility for truck drivers. In the 6 years following installation, there were zero injury crashes recorded at the intersection. https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-06/fhwasa14013_0.pdf
- ▶ A successful community outreach program on roundabouts educating skeptical residents in Brown County, WI resulted in the implementation of two successive roundabouts within a busy school zone and the reverse of a policy prohibiting students from biking and walking to school. <https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-06/fhwasa11031.pdf>

Figure 8. Doubled up "Stop Ahead" warning signs with retro-reflective strips on sign posts. Source: PennDOT



Basic plan showing low-cost countermeasures at a stop-controlled T-intersection. Source: FHWA



Systemic Application of Multiple Low-Cost Countermeasures at Stop-Controlled Intersections



Rural Applications/Considerations Systemically deploying multiple low-cost treatments to many stop-controlled intersections throughout a jurisdiction can maximize resources and reduce crashes. Examples of common treatments include enhanced pavement markings, retroreflective signpost sheeting, advance warning signs, doubled-up signs, flashing beacons, oversized signs, and sight distance improvements.

Effectiveness

- 15% reduction in nighttime crashes at all intersection locations/types/areas (CMF ID [8870](#)).
- 27% reduction in fatal and injury crashes at rural intersections (CMF ID [8874](#)).

Case Studies

- ▷ Louisiana DOT installed low-cost safety treatments at 89 stop-controlled intersections and found a 56% reduction at three-legged intersections and 64% reduction at four-legged intersections of fatal and injury crashes. <https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-06/fhwasa18047.pdf>
- ▷ South Carolina DOT implements a variety of low-cost countermeasures at stop-controlled intersections throughout the State as part of their proactive approach to intersection safety. According to a follow-up study, this approach led to a 27% reduction in fatal/injury crashes and a 25% reduction in total crashes at rural intersections. <https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-06/fhwasa12021.pdf>

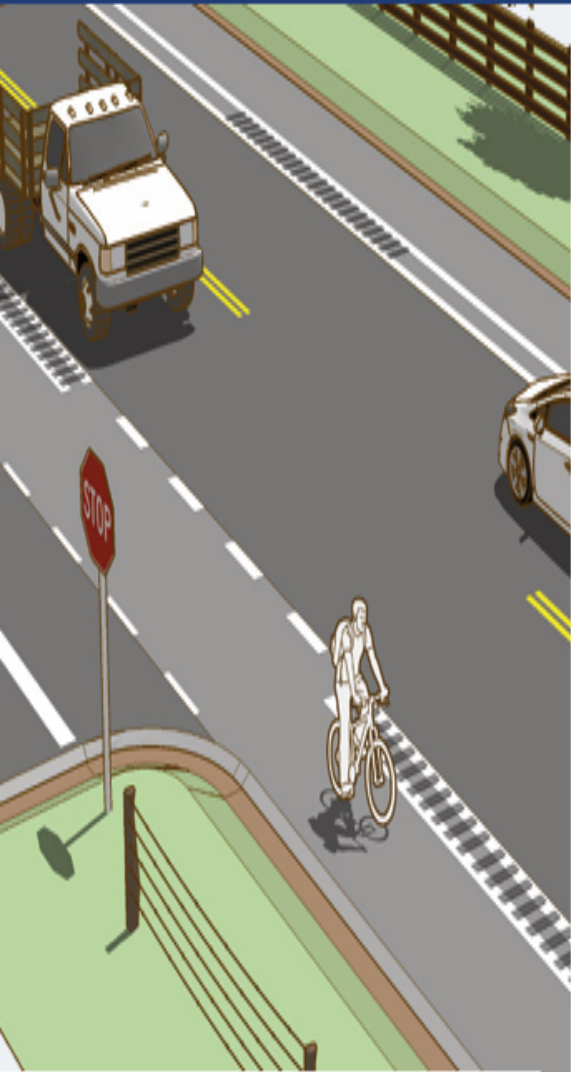


Figure 9. Example of a roadway reconfiguration using available roadway width to include bicycle lanes. Source: Rural Design Guide



Road Diets/Reconfiguration



Rural Applications/Considerations A road diet is a conversion of an existing road to reduce the number of through lanes and reallocate roadway space to other uses (e.g., bicycle lanes, sidewalks, and parking). Often this will consist of reducing four-lane roads to three lanes, with the middle lane serving as a two-way left-turn lane or combination of median and left-turn lanes; this can reduce travel speeds, ease pedestrian crossing difficulties, and reduce crashes. In rural areas without sidewalks, increasing the paved shoulder width by removing a travel lane can accommodate non-motorized users. A road diet can be a low-cost safety solution when planned in conjunction with a simple pavement overlay.

Effectiveness

- Convert 4-lane undivided road to 2-lanes plus turning lane: 37% reduction in injury crashes (CMF ID [11231](#)).

Case Studies

- ▷ Battle Lake, MN revitalized their downtown streets with a successful road diet implementation alongside pedestrian and bicycle improvements. MnDOT noted that crashes have been reduced in the four years following the road diet. <https://www.dot.state.mn.us/trafficeng/safety/road-diet-battle-lake.html>
- ▷ Residents of Colorado have been advocating for bicycle infrastructure since the 1940s to connect western townships and improve non-vehicular mobility throughout the region. The Eagle Valley Trail, set to be completed in 2024, consists of over 60 miles of paved pathways throughout the region. <https://www.eaglevalleytrail.org/>

Figure 10. Crosswalk visibility enhancements include advance yield markings, high visibility crosswalk markings, lighting, and a rectangular rapid flashing beacon. Source: FHWA



Crosswalk Visibility Enhancements



Rural Applications/Considerations High-visibility crosswalk markings, lighting, and supplemental signing and pavement markings can improve driver awareness of crosswalks and non-motorized road users (e.g., pedestrians, bicyclists, wheelchair and other mobility device users, public transit users) at rural locations. These devices also help channelize crossing movements to locations where drivers expect them to occur. Crosswalk visibility enhancements can be installed as standalone devices if desired, but multiple treatments are encouraged to maximize safety benefits.

Effectiveness

- Install intersection lighting: 42% reduction in nighttime vehicle-pedestrian injury crashes and 78% reduction in fatal vehicle-pedestrian crashes (CMF IDs [436](#), [435](#)).
- Install rural highway lighting: 28% reduction in nighttime injury crashes (CMF ID [192](#)).
- Install high-visibility crosswalks at urban intersections (i.e., town centers): 40% reduction in pedestrian injury crashes (CMF ID [4123](#)).

Case Study and Resources

- ▷ In Kansas, the Flint Hills Metropolitan Planning Organization has modified crosswalks with a multitude of quick-build (i.e., common projects include curb extensions and pedestrian islands) techniques and public demonstrations. Common projects include curb extensions and pedestrian islands. <https://www.flinthillsmpl.org/demoprojects>
- ▷ The *Pedestrian Lighting Primer* provides information on lighting design considerations for locations with pedestrian activity. https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-09/Pedestrian_Lighting_Primer_Final.pdf
- ▷ FHWA is promoting traffic control devices and properly designed lighting to improve safety for all users as part of the Every Day Counts Nighttime Visibility for Safety initiative. https://www.fhwa.dot.gov/innovation/everydaycounts/edc_7/nighttime_visibility.cfm

Speed Management



Figure 11. Flashing beacons alerting drivers to decrease speeds in a school zone. Source: FHWA



Appropriate Speed Limits for All Road Users



Rural Applications/Considerations Setting speed limits that are consistent and reasonable for local conditions is critical for effectively managing travel speeds and reducing crash severity. When setting speed limits, agencies should consider non-vehicular activities, types of road users present, crash history, land use context, traffic volumes, and observed speeds, among other factors. An effective speed management program uses multiple strategies concurrently with setting speed limits, such as traffic calming features, design features, high-visibility enforcement, and speed safety cameras, that encourage compliance with the posted speed limit.

Effectiveness

- Research shows setting a lower speed limit, in conjunction with other speed management strategies, on rural roads can reduce fatal and injury crashes up to 40% and lead to drivers complying more closely with the posted speed limit (CMF ID [10249](#)).
- Installing a speed feedback sign in advance of horizontal curves on high-speed rural roads can reduce all crashes by 7% (CMF ID [6886](#)).

Case Studies

- ▷ Iowa DOT used a variety of speed management techniques to address transition zones from 55 mph to 25 mph in rural communities, resulting in a 53% to 100% decline in excessive speeding (i.e., >15 mph over speed limit) and 2.3 to 7.6 mph decline in average speeds across the range of treatments. https://safety.fhwa.dot.gov/speedmgmt/ref_mats/fhwasa16079/
- ▷ Jefferson County, MO evaluated speed limits at 19 school zone locations on County-maintained roads and found that 11 locations had 85th percentile speeds higher than posted speed limits when school was in session. <https://www.jeffcomo.org/DocumentCenter/View/12886/JCPW-Traffic-Safety-Improvement-Program-Summary-PDF>

Crosscutting

Figure 12. HFST applied at a horizontal curve.
Source: Maricopa County, AZ



Pavement Friction



Rural Applications/Considerations Pavement friction is a critical component of roadway performance, particularly in rural areas with higher speeds and sharp curves or intersections. Measuring, monitoring, and maintaining pavement friction at locations where vehicles frequently turn, slow, or stop can improve performance and reduce roadway departure, intersection-related, wet-road, and pedestrian crashes. Where increased friction is desired, agencies can install a High Friction Surface Treatment (HFST) on the pavement to enhance friction and skid resistance. HFSTs are applied directly on stable, existing pavement and costs can be reduced by bundling installations at multiple locations.

Effectiveness of Installing HFSTs on two-lane rural roads

- 48% reduction in injury crashes (CMF ID 10333).
- 72% reduction in run-off-road crashes (CMF ID 10334).

Case Study

► Maricopa County, AZ applied HFST to multiple horizontal curves identified based on crash history. Before HFST installation, one location had 35 crashes (7 of which resulted in severe injuries) over a 5-year period. Only 1 crash occurred on the curve in the 13 months following installation. <https://safety.fhwa.dot.gov/forrrwd/hfst4localsstoryboard/page09.html>

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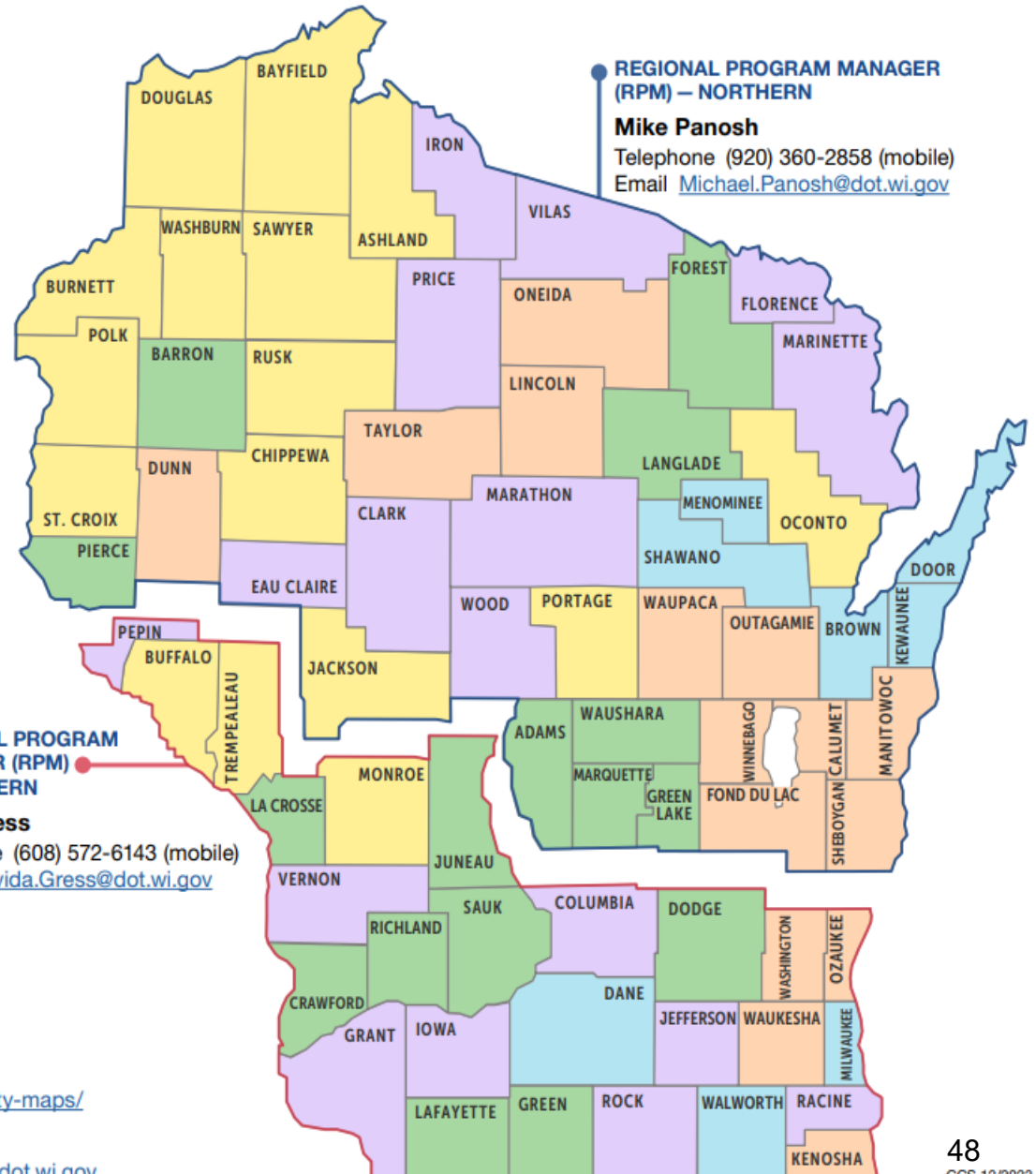
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How safe are the drivers in your community?

Find out here
<https://transportal.cee.wisc.edu/partners/community-maps/>

For data analysis requests, please email CrashDataAnalysis@dot.wi.gov



If I Can Help...



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