

# The Wisconsin Responder



WisDOT's TIME Program Quarterly Newsletter

Winter 2021-2022

[wisconsindot.gov/time](http://wisconsindot.gov/time)



**Mike's Minute**



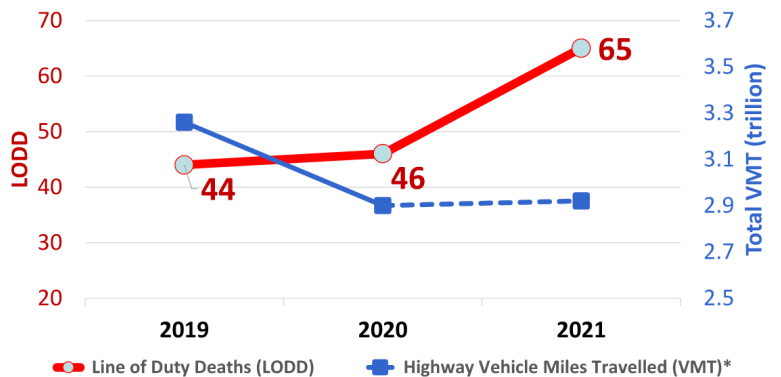
MICHAEL JUNGLUTH  
ETO/TIME Program Manager

2021 ended on a very sad and tragic note, as we lost two firefighters from the Mineral Point Fire Department. Our thoughts and prayers are with the families of Fire Captain Brian Busch, Firefighter James M. Ludlum and the Mineral Point Fire Department.

The chart to the right reflects a significant increase in first responder deaths nationally in 2021. We can all agree that these are some staggering statistics that need to change!

Thank you for continuing to serve...stay safe, *Mike*

## Line of Duty Deaths and Road Travel



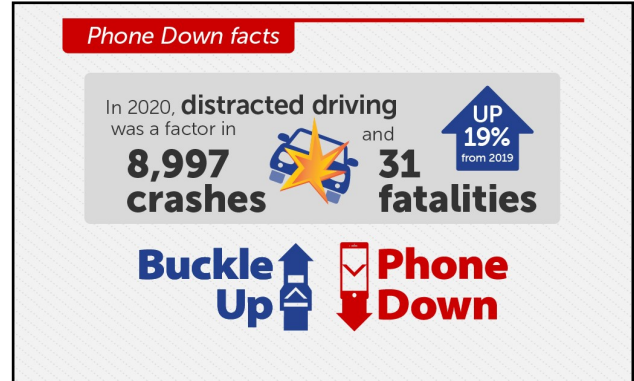
\*Year 2021 VMT estimated based on BTS baseline VMT Spring 2021 growth forecast

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## WisDOT Invites Wisconsin to Join Buckle Up Phone Down Campaign



WisDOT challenges everyone, including our first responder partners, to join in our latest safety campaign: Buckle Up Phone Down.

Crashes, injuries, and deaths related to distracted driving and seat belt use are preventable. WisDOT asks crash responders to spread the message and take the pledge to help keep everyone safe on the roads.

In 2020, distracted driving was a factor in almost 9,000 crashes in the state, including 31 deaths. An observational survey found 11 percent of drivers in Wisconsin do not buckle up. Unbuckled drivers and passengers made up 44 percent of all fatalities in 2020.

Businesses, organizations, schools, municipalities, and individuals are invited to take the Buckle Up Phone Down pledge. Together we can bring a positive change in driver behavior, create safer roads for all drivers, and protect first responders.

Taking the pledge is easy:

- Buckle up, phone down. Every trip, every time.
- Take the Buckle Up Phone Down pledge on our website: [www.wisconsin.gov/BUPD](http://www.wisconsin.gov/BUPD)
- Share your commitment with your social media followers by taking a “thumbs up/thumbs down” photo. Post it to social media using the hashtag #BuckleUpPhoneDown.

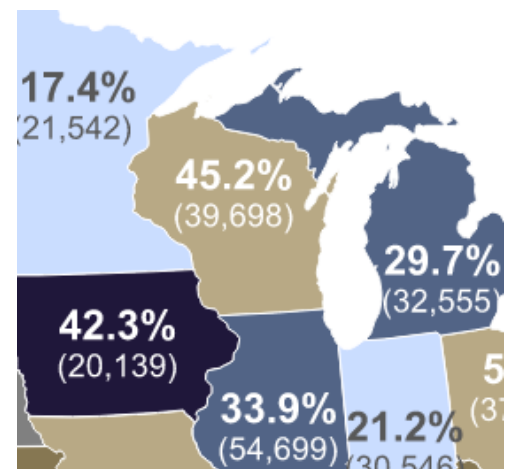
If you choose to take the pledge as an organization, your photo and logo will be added to the Buckle Up Phone Down website as an official partner of the WisDOT campaign.

Contact the WisDOT Office of Public Affairs at [BUPD@dot.wi.gov](mailto:BUPD@dot.wi.gov) with any questions.

### 45% to 55%

In 2021, the WI TIME program met the national goal of 45 percent of first responders being TIM trained. Congratulations to the TIME Coalition, WisDOT ETO/TIME Teams, TIM Instructors, and the First Responder community. We could not have attained this achievement without your ongoing support. Now onto to 2022!!

Starting on 1/1/2022, FHWA increased the national goal of 45 percent to 55 percent. To attain this goal, we will need to train an additional 3900 first responders in the upcoming years. Pre-pandemic we were training approximately 2,800 first responders annually and during the pandemic we’ve continued to prioritize safety and have found ways to connect. Over the past two years we’ve trained 1,400 first responders annually, and we continue to see increased interest in TIM training for 2022 and beyond.



## Advancing Technology Applications in the World of Connected and Automated Vehicles

Advancements to autonomous driving systems are being pushed to the limit in many sectors. This article will highlight a few examples to show the range of applications for these new technologies that are being developed around the world.

### Autonomous Indy style race cars

Watch *TUM Autonomous Motorsport's* amazing, controlled spin at Indy Autonomous Challenge at CES (Computer Electronics Show), 170 mph.

Nine teams challenge each other at various levels of speeds and maneuvers at the Indianapolis Motor Speedway. Team *PoliMOVE* competes against *TUM*, which won October's [Indy Autonomous Challenge](#) (IAC), in the finals for Autonomous at CES.



The IAC seeks to help overcome three prominent barriers to automated vehicle (AV) commercialization:

1. Solving “edge case” scenarios which help advance mainstream applications
2. Catalyzing new AV technologies and innovators
3. Engaging the public to help ensure acceptance and use of AV technologies

[TUM Autonomous Indy race car spins out at 170 mph video](#) (30 sec)

[Full Video](#) (5 min)

### Protection for construction zones

US highway administration approves *one.network's* free workzone data feed for state DOT use.



Work zone feed data needs to be standardized for use by state DOTs, construction crews, OEM navigation systems and law enforcement. Having one platform available across all sectors will greatly assist in the development and adoption of this data for connected vehicles.

*One.network*, a provider of platform-based, real-time traffic management and event information, has revealed that the US Federal Highway Administration (FHWA) has approved the company's Work Zone Data Exchange (WZDX) feed for deployment by transportation agencies, and use by any stakeholder who needs accurate and timely work zone information.

Each WZDX feed will include comprehensive data on planned work zone activity, allowing drivers to avoid hazards and agencies to contribute to a national repository of work zone information coordinated by FHWA. GPS navigation apps including Google, Waze, and TomTom, connected and autonomous vehicle (CAV) applications, organizations, and regional authorities, will all have access to the feeds.

WisDOT is one of 13 states to receive a USDOT grant to test and demonstrate the WZDX protocols and is currently running that demonstration program.

“The [Work Zone Data Exchange \(WZDX\) Specification](#) enables infrastructure owners and operators (IOOs) to make harmonized work zone data available for third party use. The intent is to make travel on public roads safer and more efficient through ubiquitous access to data on work zone activity. Specifically, the project aims to get data on work zones into vehicles to help automated driving systems (ADS) and human drivers navigate more safely.”

(continued on page 4)

## Advancing Technology Applications in the World of Connected and Automated Vehicles *(continued from page 3)*

### Off-road vehicles

John Deere breaks new ground with self-driving tractors you can control from a phone - Fully autonomous tractors promise to change how food is grown in America.

Self-driving tractors allow the farmer to spend less time in the cab and do more with less equipment.

“Because of the ability to farm more hours in a day, Nimz expects to be able to buy smaller equipment. The trend in farming has been to use ever-bigger equipment and tractors to cover as much ground as possible in the shortest amount of time. A 36-row planter can put more seeds in the ground at one time than a 12-row planter. But buying smaller equipment lets farmers like Nimz save money and is also better for the ground. Because the machines are lighter, they compact the soil less.”

Consideration will be needed to address how to allow autonomous tractors to drive from one field to the other using public roads.

[At CES 2022, John Deere tractors break new ground with full autonomy](#)

### Questions about connected or automated vehicles?

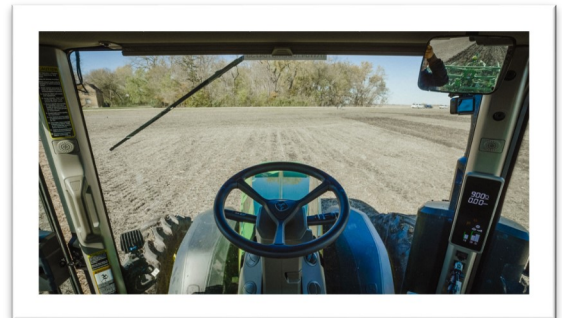
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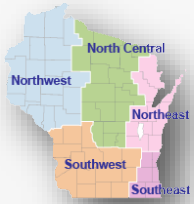


## Aeronautics Training for First Responders



The WisDOT Bureau of Aeronautics, in partnership with the FAA Milwaukee Flight Standards District Office (MKE FSDO), is happy to announce new training being offered in 2022. This focused information will cover aircraft-specific hazards to first responders on the scene of an aviation accident. Some of the topics covered are situational awareness tips, identification of potential unknown hazards, and procedures to familiarize and mitigate risks. We will also cover topics related to Incident Management and provide additional resources related to aircraft accidents. These presentations are intended to raise awareness of vital information and lead to additional, more in-depth, hands-on training opportunities. For more information, contact Chief Pilot Levi Eastlick, WisDOT Bureau of Aeronautics, at [Levi.Eastlick@dot.wi.gov](mailto:Levi.Eastlick@dot.wi.gov) or 608-267-5018 or ETO/TIME Program Manager Michael Jungbluth at [michael.jungbluth@dot.wi.gov](mailto:michael.jungbluth@dot.wi.gov) or 414-225-3729.

# 2022 Spring Regional TIME Meetings



**April 27, 2022**  
9:00 a.m. – 11:30 a.m.  
**Northwest Region**  
Microsoft Teams Meeting



**April 28, 2022**  
9:00 a.m. – 11:30 a.m.  
**Northeast Region**  
Microsoft Teams Meeting

**May 5, 2022**  
9:30 a.m. – 11:30 a.m.  
**Southeast Region**  
Microsoft Teams Meeting

**May 11, 2022**  
9:00 a.m. – 11:30 a.m.  
**Southwest Region**  
Microsoft Teams Meeting

**May 12, 2022**  
9:00 a.m. – 11:30 a.m.  
**North Central Region**  
Microsoft Teams Meeting

*The meeting agendas will be sent out a week before the meeting. If you are unable to attend the meeting in your region, please feel free to join another region's TIME meeting. We look forward to your participation!*

# Special Events and Conferences

## February 2022

- National Engineers Week (2/20-2/26)
- Wisconsin Chiefs of Police Conference (2/6-2/9)
- Wisconsin Sheriffs & Deputy Sheriffs Association Conference (2/13-2/16)

## March 2022

- National Flood Safety Awareness Week (3/14-3/18)
- Governors' Conference on Emergency Management & Homeland Security (3/7-3/9)
- Wisconsin State Firefighters Association Conference (3/10-3/12)

## April 2022

- National Public Safety Telecommunications Week (4/10-4/16)
- National Work Zone Awareness Week (4/11-4/15)
- Tornado & Severe Weather Awareness Week (TBD)

## May 2022

- Emergency Medical Services Week (TBD)
- WIPSCOM Conference (5/8-5/11)

## June 2022

- National Safety Month
- WI Towing Association Conference (6/17-6/19)
- Wisconsin State Fire Chief's Association Conference (6/22-6/26)
- Wisconsin County Highway Association Conference (TBD)

## July 2022

No events or conferences

## August 2022

- Wisconsin Chiefs of Police Conference (8/7-8/10)
- Wisconsin Governor's Conference on Highway Safety (8/29-8/31)

## ETO/TIME Team

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