ARIZONA MILEPOST

LTAP Newsletter

Arizona Local Technical Assistance Program Summer 2021, Vol 1, No. 16



AZ PLTAP

What is LTAP?

The National Local Technical Assistance Program (LTAP) was established in 1981 as the Rural Technical Assistance Program (RTAP). It is the primary way that the Federal Highway Administration (FHWA) helps local transportation agencies learn about maintaining and improving their roads, innovative methods and materials, and ways to work smarter.

AZ LTAP Mission

The AZ LTAP Mission is to foster a safe, efficient, and environmentally sound transportation system by improving skills and knowledge of transportation provider through training, technical assistance and technology transfer.

AZ LTAP Vision

The AZ LTAP Vision is to be recognized as a premier resource in developing and transferring innovative technologies, proven solutions and reliable services to successfully meet the evolving educational and training needs of the transportation community within Arizona.

AZ LTAP will actualize its vision and accomplish its mission by paying personal attention to customer needs.

AZ LTAP Services

Technical Training Equipment Loan Program Product Evaluation Program LTAP Resource Library Transportation Resource Links

THANK YOU!

Everyone here at the AZ LTAP Center would like to thank our customers for the continued patience and support as we all work towards establishing a new normal.

AZ LTAP remains committed to providing the technical services and resources our customers have come to rely on. We are happy to announce that we have begun to offer in-person training on a case by case basis and at limited capacity with continued social distancing efforts.

If you need assistance or have a question, please give us a call at 602-712-4050 or e-mail us at ttraining@azdot.gov.

Stay healthy and safe!

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Focus on Reducing Rural Roadway Departures

Systemic application of proven roadway departure countermeasures can save lives on all rural roads.

Every year, nearly 12,000 people die in crashes when their car leaves its travel lane on a rural road. That's 30 people today, and every day. However, there are countermeasures and approaches that are proven to reduce these deaths. This initiative encourages agencies to use them and focus on reducing rural roadway departures (FoRRRwD) in their areas.

FoRRRwD is based on four pillars:

- All public roads
- Proven countermeasures
- A systemic approach
- Safety action plans

Consider all rural public roads

Roadway departure crashes are a major problem on all public rural roads. Nationally, 50-60 percent of them happen on State networks. That means more than 40 percent occur on locally-owned roads, off the State highway system.

Flexible countermeasures that work

There are many cost-effective countermeasures that are proven to reduce these crashes. They fall into three categories:

- Help drivers stay in their lane. This is the first line of defense.
- Reduce the potential for crashes if drivers do leave their lane. These provide a safe way to come to a stop or get back on the road.
- Minimize the severity of crashes if they happen.

The countermeasures are also flexible. They can be installed in various situations and on many types of roadway. Countermeasures can be used individually or in combination.

The *systemic approach* addresses widely dispersed crashes

A fundamental challenge on rural roads is that roadway departure crash locations are random and change from year to year. This makes it challenging to choose the best locations to install the proven countermeasures.

However, there are multiple analysis tools to help identify locations that are at highest risk of



future roadway departure crashes. Once agencies know which locations and corridors are at high risk of roadway departures, they can install countermeasures systemically across the network.

Systemic analysis uses the crash and road data from the past to identify where the greatest risk is likely to be in the future.

A plan to get people home safely

Documenting the systemic analysis into a simple safety action plan is a powerful way to prioritize safety improvements and justify your investment decisions.

The safety plan framework is flexible and can be customized to local needs. Safety plans can range from just a few pages to several chapters and appendices.

A formal plan will also help to communicate more clearly with stakeholders as well as access funding opportunities.

Benefits

Proactive approach. Systemic analysis enables practitioners to mitigate high-risk locations, sometimes before crashes even happen. Targeted investments. Projects are based on data and risk, so investments can be made with more confidence.

Flexibility. There is a wide range of analysis and countermeasure selection tools to fit any level of data and expertise.

Safer roads. The combination of proven countermeasures installed at targeted, high-risk locations is the key to reducing rural roadway departures...

To read the rest of this article, please visit the link below!

Orginally Published on April 23, 2021 by the U.S. Department of Transportation Federal Highway Administration's Center for Accelerating Innovation (<u>https://www.fhwa.dot.gov/innovation/</u> <u>everydaycounts/edc_5/roadway_departures.</u> <u>cfm?utm_source=rotator</u>)

Protecting Workers: Guidance on Mitigating and Preventing the Spread of COVID-19 in the Workplace

Executive Summary

This guidance is intended to help employers and workers not covered by the Occupational Safety and Health Administration's (OSHA's) COVID-19 Emergency Temporary Standard (ETS) to identify COVID-19 exposure risks to workers who are unvaccinated or otherwise at-risk, and to help them take appropriate steps to prevent exposure and infection. See Text Box: Who Are At-Risk Workers?

CDC's Interim Public Health Recommendations for Fully Vaccinated People explain that under most circumstances, fully vaccinated people need not take all the precautions that unvaccinated people should take. For example, CDC advises that most fully vaccinated people can resume activities without wearing masks or physically distancing, except where required by federal, state, local, tribal, or territorial laws, rules and regulations, including local business and workplace guidance. People are considered fully vaccinated for COVID-19 two weeks or more after they have completed their final dose of a COVID-19 vaccine authorized by the U.S. Food and Drug Administration in the United States. However, CDC suggests that people who are fully vaccinated but still at-risk due to immunocompromising conditions should discuss the need for additional protections with their healthcare providers. CDC continues to recommend precautions for workers in certain transportation settings.

Unless otherwise required by federal, state, local, tribal, or territorial laws, rules, and regulations, most employers no longer need to take steps to protect their fully vaccinated workers who are not otherwise at-risk from COVID-19 exposure. This guidance focuses only on protecting unvaccinated or otherwise at-risk workers in their workplaces (or well-defined portions of workplaces).1

This guidance contains recommendations as well as descriptions of mandatory safety and health standards, the latter of which are clearly labeled throughout as "mandatory OSHA standards." The recommendations are advisory in nature and informational in content, and are intended to assist



employers in providing a safe and healthful workplace free from recognizedhazards that are causing or likely to cause death or serious physical harm.

Who Are "At-Risk Workers"?

Some conditions, such as a prior transplant, as well as prolonged use of corticosteroids or other immune-weakening medications, may affect workers' ability to have a full immune response to vaccination. See the CDC's page describing Vaccines for People with Underlying Medical Conditions, and further definition of People with Certain Medical Conditions. Under the Americans with Disabilities Act (ADA), workers with disabilities may be legally entitled to reasonable accommodations that protect them from the risk of contracting COVID-19 if, for example, they cannot be protected through vaccination, cannot get vaccinated, or cannot use face coverings. Employers should consider taking steps to protect these at-risk workers as they would unvaccinated workers, regardless of their vaccination status.

To read the rest of this article, please visit the link below.

Orginally Published by the U.S. Department of Labor's Occupational Safety and Health Administration (<u>https://www.osha.gov/coronavirus/safework</u>)



Recognize Safe + Sound Week, August 9-15, 2021 Safe + Sound Week is a nationwide event held each August that recognizes the successes of workplace health and safety programs and offers information and ideas on how to keep America's workers safe. Dates & Location August 29–September 1, 2021 America's Center 701 Convention Plaza St. Louis, MO 63101



- Outstanding education sessions that address current public works issues—as well as ongoing challenges. Choose from more than 125 technical and professional development sessions presented by your colleagues, who will impart their vital knowledge and experience. APWA's education sessions are based on the very latest learning models: classroom, interactive, and "live" learning labs.
- The chance to see an extensive gathering of exhibitors and The Expo Experience that will showcase the latest products, services, and technologies specific to public works. Special "non-compete" hours allow you to visit the floor uninterrupted.
- Opportunities to network with your peers, hone your leadership abilities, and learn new job skills.

Who Should Attend?

- Public Works Directors
- Superintendents and Managers
- Directors and Managers of Operations and Operations Personnel
- City and County Engineers
- Consulting Engineers
- Construction Directors and Managers
- Solid Waste Managers and Coordinators
- Public Fleet Directors and Managers
- Public Facilities and Grounds Directors and Managers
- Water Services Directors and Managers

Areas Covered

- Career & Personal Development
- Construction Management
- Emergency Management
- Engineering & Technology
- Environment/Sustainablility
- Facilities
- Fleet Services
- Management

• Streets/Roads/Bridges Directors and Managers

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- Transportation Directors and Managers
- Stormwater and Flood Control Directors and Managers
- Emergency Management Directors and Coordinators
- City Planners
- Sustainability Specialists
- Anyone else whose responsibilities are public works-related
- Parks & Grounds
- Snow & Ice
- Solid Waste
- Stormwater/Flood Control
- Streets/Roads/Bridges
- Traffic Engineering
- Utilities/Right-of-Way
- Water & Wastewater

For more information please visit: <u>https://www.apwa.net/PWX/Home.aspx</u>



Can't attend in person? PWX invites you to participate in PWX Plus. PWX Plus is a virtual PWX event taking place October 12-14, 2021. PWX Plus offers those unable to attend in person the chance to experience PWX online. All content from PWX Plus and the in-person PWX will be recorded and available to all PWX Plus attendees at a date following the program. Simply follow the Registration link for PWX and PWX Plus will appear as an option.

2021 Western/Midwest Joint Bridge Preservation Partnership Meeting







Save the Date!

The West & Midwest Bridge Preservation Partnerships are a regional forums of bridge practitioners working together to promote the benefits of Bridge Preservation through information sharing, education and application.

December 6—9, 2021

Renaissance Phoenix Glendale Hotel Glendale, Arizona

Indiana | Illinois | Iowa | Kansas | Kentucky | Michigan | Minnesota | Missouri Nebraska | North Dakota | Ohio | Oklahoma | South Dakota | Wisconsin Alaska | Arizona | California | Colorado | Hawaii | Idaho | Montana | Nevada New Mexico| Oregon | Utah | Washington | Wyoming

Additional info will be available soon at: www.tsp2.org



NHTSA 2021 Communications Calendar Campaign Material Available at www.TrafficSafetyMarketing.gov

SMTWTFS	JANUARY		SMTWTFS	AUGUST	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Happy New Year!		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	August 18 - September 6 Impaired Driving National Enforcement Drive Sober or Get Pulled Over IMPAIRED DRIVING DRUG-IMPAIRED DRIVING Primary Messages: Drive Sober or Get Pulled Over; Ride Sober or Get Pulled Over;	DRIVE SORED OR GET PULLED OVER
SMTWTFS	FEBRUARY			lf You Feel Different, You Drive Different Drive High – Get a DUI	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	February 7 Super Bowl LV IMPAIRED DRIVING Primary Message: Fans Don't Let Fans Drive Druk			Paid Media National Enforcement Mobilization DR	YOU FEEL DIFFERENT U DRIVE DIFFERENT IVE HIGH GET A <u>Dui</u>
28	Tans Drive Drain		SMTWTFS	SEPTEMBER	
S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	MARCH March 8 – 12 Vehicle Safety Recalls Week March 17	buzžed	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	September 6 – 27 Rail Grade Crossing Campaign Primary Message: Stop. Trains Can't. September 19 – 25 Child Passenger Safety Week OCCUPANT PROTECTION	STOR OO
28 29 30 31	St. Patrick's Day IMPAIRED DRIVING Primary Message: Buzzed Driving Is Drunk Driving	drunk		September 25 National Seat Check Saturday	E Safety
	March 22 - April 12 Bail Grade Crossing Campaign	STOP 00	SMTWTFS	OCTOBER	
SMTWTFS	An Grade Clossing Campagn Primary Message: Stop. Trains Can't.	TRAINS CAN IN	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Pedestrian Safety Month October 17 – 23 National Teen Driver Safety Week TEEN DRIVING ISSUES	PEDESTRIAN
4 5 6 7 8 9 10	National Distracted Driving Awareness Month		24 25 26 27 28 29 30 31	October 31	ROAD
11 12 13 14 15 16 17 18 19 20 21 22 23 24	April 5 - 12	U DRIVE U TEXT.		IMPAIRED DRIVING	buzzed
25 26 27 28 29 30	DISTRACTED DRIVING Primary Message: U Drive. U Text. U Pay.	UPAY		Buzzed Driving Is Drunk Driving; If You Feel Different, You Drive Different	drunk driving
	Paid Media	J		IF YI	YOU FEEL DIFFERENT DU DRIVE DIFFERENT
	Drug-Impaired Driving Campaign	OU FEEL DIFFERENT			
	If You Feel Different, You Drive Different	J DRIVE DIFFERENT	S M T W T F S	NOVEMBER	
S M T W T F S 1 2 3 4 5 6 7 8	MAY National Youth Traffic Safet y Month Motorcycle Safet y Awareness Month	5	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November 24 – 28 Thanksgiving Holiday Travel IMPAIRED DRIVING DRUG-IMPAIRED DRIVING November 24	buz 7 ed
9 10 11 12 13 14 15 16 17 18 19 20 21 22	May 1 National Hostotroko Brovention Day	Share Road		Blackout Wednesday Primary Message: Buzzed Driving Is Drunk Driving	drunk drunk
23 24 25 26 27 28 29 30 31	HEATSTROKE AWARENESS Paid Media May 17 - June 6 Click ft or Ticket	act fast. Save a Life.		November 25 Thanksgiving Holiday Travel OCCUPANT PROTECTION Primary Message: Buckle Up. Every Trip. Every Time	
	DECUPANT PROTECTION Primary Message: Click It or Ticket Paid Media National Enforcement Mobilization			Pre-Holiday Season IMPAIRED DRIVING Primary Messages: Buzzed Driving Is Drunk Driving;	YOU FEEL DIFFERENT Du Drive Different
SMTWTFS	JUNE			If You Feel Different, You Drive Different	
6 7 8 9 10 11 12 13 14 15 16 17 18 19	National Ride to Work Day	<u>7</u>	SMTWTFS	DECEMBER	
20 21 22 23 24 25 26 27 28 29 30	Primary Message: Share the Road With Motorcyclists	Share Road	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1	December 15 – January 1, 2022 Holiday Season IMPAIRED DRIVING DRUG-IMPAIRED DRIVING Primary Messages: Drive Sober or Get Pulled Over;	DRIVE SOBER OR GET POLLED OVER
1 2 3 4 5 6 7 8 9 10	Vehicle Theft Prevention Month	buzzed		Drive High - Get a DUI Paid Media	U DRIVE DIFFERENT Ve High get a <u>Dui</u>
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	July 4 IMPAIRED DRIVING DRUG-IMPAIRED DRIVING Primary Messages: Buzzed Driving Is Drunk Driving; Drive Sober or Get Pulled Over; Ride Sober or Get Pulled Over; If You Feel Different, You Drive Different			National Enforcement Mobilization December 26 – 31 TV Bureau of Advertising Roadblock Primary Message: Buzzed Driving Is Drunk Driving	
	IF YOU FEEL DIFFERENT You drive different	RIDE SORER OR GET PULLED OVER			



AZ LTAP ROAD SCHOLAR PROGRAM

The Road Scholar Program

The AZ LTAP Road Scholar Program provides basic information/training on maintaining local streets and roads. The Program provides an opportunity for municipal employees to be trained by AZ LTAP in the latest technologies and innovations through a series of training sessions conducted at convenient locations throughout Arizona. This training program is an invaluable resource, providing quality training at a price that is affordable to counties and

municipalities (free for member local governments for all courses excluding the \$20 certification fee for CPR/First Aid/AED).

Levels of Training

LEVEL I	Aimed at entry-level transportation employees, or those with no or lim- ited experience (i.e., up to five years experience in the transportation field), Road Scholar Level I train- ing answers municipalities' need to keep roadways safer and properly maintained at a lower cost.		
LEVEL II	Road Scholar II aimed at employees working within transportation in- dustry, motivated to advance their knowledge, skills and abilities to ex- cel their career. Level II training is in the beginning supervisory level and management course work. (Up to 10 years field experience).		
LEVEL III	COMING SOON!		

Visit our website to review Road Scholar Courses and use the fillable Road Scholar Matrix to track your progress through the program! Send your completed matrix to LTAP by email at Ttraining@azdot.gov

ROAD SCHOLAR GRADUATES Spring Quarter 2021

THE AZ LTAP CENTER WOULD LIKE TO TAKE THIS OPPORTUNITY CONGRATULATE OUR LATEST ROAD SCHOLAR GRADUATE,

BENJAMIN NAVARRO PINAL COUNTY



Each quarter, AZ LTAP will look forward to featuring pictures of our amazing Road Scholars who have graduated from the program at all levels! Road Scholars also recieve certificates of completition and select awards each time they complete a level of Road Scholar training.

AZ LTAP has a created a fillable Road Scholar Matrix which allows our agencies to easily track the progress of their employees through the Road Scholar Porgram (<u>https://www. azltap.org/content/road-scholar-matrixfillable-form</u>).

For more information, please visit our website or email us at Ttraining@azdot.gov!

BUILD A BETTER MOUSETRAP COMPETITION

Mohave County 2020 Smart Transformation Innovation



THE 2021 Build A Better Mousetrap Winners have been announced. Keep an eye on the FHWA's website for more information on the 2021 winners!

Mohave County is the 5th largest county in the United States. They needed a solution for completing annual inspections of 994 maintained culverts not included in the National Bridge Inventory, across 2,095 maintained road miles. This was a pretty huge effort that required a system to maintain geospatial inventory, document culvert characteristics, rate culvert condi-

tion, enable image capture and timestamp and archive inspection findings in a central location, in real time and electronically. Mohave County officials came up with the idea to look towards technology and develop a mobile application. "We had already successfully launched a mobile app for road closures and thought why not try this again with the culvert inspection program," says Steven Latoski, Director of the Mohave County Public Works Department in Arizona. They used similar programs already in use in FEMA as a guide to help them develop their new mobile application in-house. It took them a week to create the concept and several months to develop and test the app. According to Steven, there were two main benefits for developing the mobile app in-house, "We were able to use existing technology and resources to build the app and we were able to achieve the product we wanted because we worked on it ourselves."

The Culvert Inspection Mobile Application features easy manual data entry; a live dashboard with pie charts and color coded fonts to track progress; and options for uploading photos, adding notes and generating quick reports. The information is in real-time, which helps with quality control because now inspectors no longer have to try to translate handwritten notes and rely on memory to create reports. Steven says despite their success producing the mobile application in-house, there were some challenges, "Cell service was a huge obstacle. Also, the mobile application was a new technology for many and some users were simply afraid of the technology. But once we trained them to use the app and they started to see the benefits, everyone became pretty excited about it."

Mohave County Public Works is already working on their next mobile application and look forward to sharing their innovation with other agencies. "When trying to develop a solution, keep the end user in mind," says Steven. "Don't be afraid, jump right in. Understand the needs of the end users and ensure the product is developed to meet their needs."

Congratulations to Mohave County Public Works on receiving the 2020 Build a Better Mousetrap Smart Transformation Award.

For more information: Steven Latoski Mohave County Public Works Director (928) 757-0910



PULL ASIDE. STAY ALIVE.

Avoid driving into or through a dust storm.

If you encounter a dust storm, immediately check traffic around your vehicle (front, back and to the side) and begin slowing down.

Do not wait until poor visibility makes it difficult to safely pull off the roadway -- do it as soon as possible. Completely exit the highway if you can.

Do not stop in a travel lane or in the emergency lane. Look for a safe place to pull completely off the paved portion of the roadway.

Turn off all vehicle lights, including your emergency flashers. You do not want other vehicles approaching from behind to use your lights as a guide, possibly crashing into your parked vehicle.

Set your emergency brake and take your foot off the brake.

Stay in the vehicle with your seatbelts buckled and wait for the storm to pass.

Drivers of high-profile vehicles should be especially aware of changing weather conditions and travel at reduced speeds. 1130 N. 22nd Ave Phoenix, AZ 85009 ttraining@azdot.gov <u>www.azltap.org</u> 602-712-4050

Stay Informed: Request to be added to the AZ LTAP listserve for our weekly updates or subscribe online on our website.

Email requests to ttraining@azdot.gov Please include Name, Agency, Location, and Email Address

AZPLTAP Local Technical Assistance Program

http://www.pullasidestayalive.org/