ABOUT US   **TxLTAP EMAIL**   **AVAILABLE TRAINING**

TxLTAP March Newsletter

March 2025
Volume 3 | Issue 6

Implementing the National Roadway Safety Strategy

The U.S. DOT is committed to achieving zero roadway fatalities through the Safe System Approach, the foundation of the National Roadway Safety Strategy (NRSS). By implementing key actions and prioritizing urgent safety challenges, the NRSS drives impactful changes to reduce traffic deaths and serious injuries nationwide.

Explore More

Houston coalition helping to curb deadly crashes

The Houston Traffic Safety Coalition, led by TxDOT's Traffic Safety team, recently conducted a "walking audit" to highlight pedestrian safety issues and improve community walkability. The coalition, which unites nonprofits, law enforcement, and government agencies, continues to combat rising traffic fatalities by coordinating resources, addressing impaired and distracted driving, and promoting safer roads for all.

Read More

Lifecycle of a Pothole

Fluctuating winter and spring temperatures weaken Texas roads, causing potholes to form. TxDOT crews work year-round to prevent and repair potholes by sealing cracks, repaving damaged areas, and applying seal coating to extend pavement life—so drivers should stay alert and give them space to work.

Read More

FHWA Public Roads Magazine Winter 2025

Click on the picture above to view the Winter 2025 Public Roads magazine!

Keeping Arlington Moving: How the Street Tracker Tool Enhances Roadway Maintenance

The Arlington Street Tracker is a user-friendly online tool that helps residents stay informed about street maintenance projects throughout the city. It provides real-time updates on street repairs, resurfacing, and reconstruction efforts, ensuring transparency and better communication between the city and its residents. By allowing users to track progress and planned improvements, the Street Tracker enhances community engagement and helps Arlington maintain safer, more efficient roadways.

See How It's Done

The Winter 2025 issue of FHWA's Public Roads magazine highlights several key topics in transportation infrastructure and safety:

- Advancing FHWA Projects Through Environmental Reviews
- Forging Ahead with Innovation!
- Rumble Strips for the Safety of New York City's Cyclists
- Digital Innovations for Constructing Tomorrow's Infrastructure

Subscribe Today!

Visit Our Booths!
Check out where TxLTAP will be!

If you're attending an event or conference, be sure to stop by the TxLTAP booth to meet our team, learn about our free training and resources, and see how we can support Texas cities and counties!

While you're there, pick up some TxLTAP swag, including:
- TxLTAP bags,
- Glass breakers,
- Other exciting items!

Be sure to visit our booth! Check out our set up pictured on the right!

West Texas County Judges and Commissioners Association

- April 22, 2025 - April 25, 2025
- 8:00 AM - 11:00 AM
- Abilene Convention Center
- 1100 N 6th St
- Abilene, TX 79601

South Texas County Judges and Commissioners Association

- June 02, 2025 - June 05, 2025
- 9:00 AM - 05:00 PM
- Omni Hotel Corpus Christi
- 900 N Shoreline Blvd
- Corpus Christi, TX 78401

Using AI and Machine Learning to Assess Pavement Markings - Yoakum District

CHALLENGE:
Deteriorating lane markings reduce roadway safety. Actively monitoring the lane markings on almost 90,000 centerline miles of the Texas roadway network managed by TxDOT is labor- and time-intensive. It is impossible to actively survey the entire road network. In some cases, as road markings deteriorate, the poor markings go unnoticed.

SOLUTION:
This project sought to develop a proof of concept for lane marking assessment using a combination of machine vision (MV) algorithms and artificial intelligence (AI); collect lane marking images from the existing PathWeb archive using GoPro cameras mounted on agency vehicles (Figures 1 and 2); and use AI to detect lane marking locations and MV to identify deterioration in lane markings (see Figures 3 and 4).

PROACTIVE APPROACH:
The proposed framework can detect lane marking deterioration over a wider network more quickly. The concept can supplement existing lane marking assessment surveys, providing timely lane marking deterioration detection.

Read More...

Above article taken directly from/all credit to:**District innovations**.
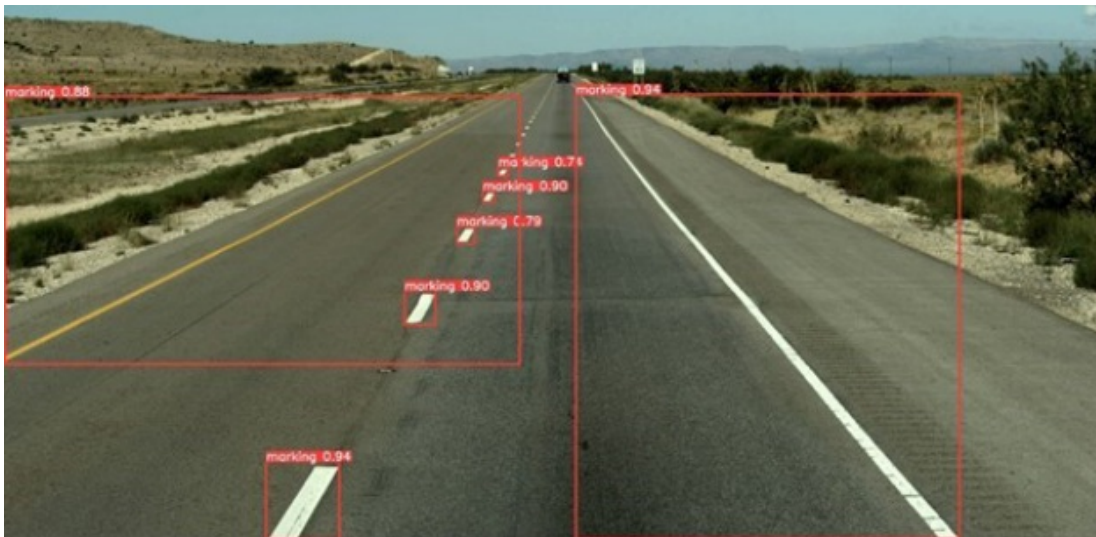

Figure 3. AI-detected lane markings from model trained with PathWeb images.

See Other TxDOT District Innovations

Have an Innovated Design or Project? Share It with Us!

Curious About How to Set-up a Training Room?

A big thank you to Kendall County Road & Bridge for sharing the fantastic image of their well-organized and open classroom set-up! □□ Your commitment to providing a structured and effective learning environment is truly commendable. A properly arranged training space fosters engagement and enhances the learning experience, and your setup is a great example of that. We appreciate your dedication to professional development and roadway
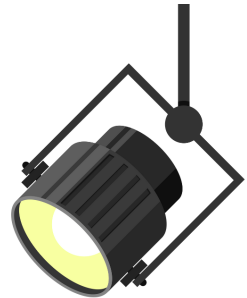
safety!

A great adult classroom is structured, engaging, and adaptable to different learning styles. It includes a spacious and open layout to encourage interaction, clear sightlines to instructional materials, and comfortable seating for long training sessions. High-quality visual aids, hands-on training equipment, and real-world case studies enhance the learning experience. Additionally, a well-lit and distraction-free environment, along with accessible technology, fosters focus and participation. Most importantly, a great classroom promotes active discussion and real-world application, ensuring that learners leave with practical knowledge they can use in their field.

Have Questions? Ask Us Now!

Instructor Spotlight:
Leading the Way in Transportation Training

At TxLTAP, our instructors bring a wealth of experience from diverse backgrounds, including retired TxDOT professionals, retired military personnel, and industry experts. With decades of hands-on knowledge in transportation, safety, and leadership, they provide invaluable insights and real-world training. Their expertise ensures that every course is practical, engaging, and designed to equip participants with the skills needed to improve roadway safety and efficiency across Texas.

This month, we're shining the spotlight on **Austin Lawler**!

TxLTAP is proud to welcome Austin Lawler to our team of expert instructors! With a background spanning construction, telecommunications, and safety training, Austin brings real-world experience and a deep passion for helping others stay safe on the job. His journey began in his family's construction business, where he learned the value of hard work—but it was his near-death experiences in the field that ignited his mission to promote workplace safety.

Austin has since dedicated his career to training workers in OSHA standards, various consensus standards, and popular safe practices. He has earned multiple

Now, through his work with TxLTAP, he continues to make an impact by educating workers on life-saving safety practices.

What sets Austin apart is his hands-on approach and personal connection to his students. He shares his own experiences—both successes and failures—to help workers understand the real consequences of unsafe practices. His engaging teaching style ensures that all learning types, from visual to hands-on learners, gain valuable insights that they can apply directly in the field.

We are excited to have Austin as part of the TxLTAP instructor team, where his dedication,

safety certifications from the University of Texas at Arlington and has served as a lead instructor at one of the nation's largest cell tower construction companies.

expertise, and real-world perspective will help shape safer workplaces across Texas.

Welcome, Austin!

TxLTAP Course Catalog

Discover TxLTAP's latest interactive training catalog, your go-to resource for finding the perfect courses to enhance skills and improve roadway safety across Texas cities and counties. ☐☐ Easily explore detailed course descriptions, instructor-led training options, and online learning resources—all conveniently available in one place. Take the next step in professional development and equip your team with the knowledge they need to succeed!

☐ **View the catalog:** Here
☐ **Request a course:** Here

Contact **txltap@uta.edu** to get started!

TxLTAP Social Media

Stay Connected with TxLTAP!

Want to stay informed on **road safety, workforce development, work zone training,** and more opportunities?

Follow our social pages for exclusive updates on free training opportunities for local Texas cities and counties.

- Get notified about new courses, webinars, and resources
- See highlights from training events and conferences
- Don't miss out - follow us today!

Lending Library - New Equipment!

TxLTAP is excited to introduce the **Traffic Worker Alert System** as part of our new Lending Library Equipment! This innovative system is designed to enhance worker safety by providing real-time alerts about approaching vehicles in work zones, significantly reducing the risk of accidents. By borrowing this cutting-edge technology, local agencies can test and implement improved safety measures without the upfront investment. Prioritizing worker protection is essential, and the **Traffic Worker Alert System** helps ensure a safer and more efficient work environment.

Contact us today to learn how you can access this life-saving equipment!

Request TWAS Today!

Road Safety Champion Program

Ready to take your road safety knowledge to the next level? The Road Safety Champion Program (RSCP) is your opportunity to build essential skills, enhance safety practices, and make a real impact on Texas roads. This expert-led training covers critical topics to help you improve roadway safety and reduce risks. Plus, with flexible scheduling and virtual options, it's never been easier to join. Start your journey today and become a Road Safety Champion! 🚧🚧

Learn More Here!

Upcoming RSCP classes this month:

Safety Analysis Approach | March 04
Countermeasures for Road Safety | March 11
Overview of Local Road Safety Plans | March 18
Overview of Data and Tools for Safety | March 24

NATIONAL WORKZONE AWARENESS WEEK
April 21-25

TxLTAP Partners

| FHWA | APWA | TxDOT | NACE | NLTAPA |

Build a Better Mousetrap (BABM) program by the FHWA showcases innovative solutions to everyday challenges faced by local and tribal transportation professionals.

Learn More about BABM

The Every Day Counts (EDC) initiative by FHWA promotes innovations to accelerate highway project delivery, improve safety, and reduce costs with support for strategies.

Subscribe to EDC News!

Texas has lost at least one person every day on Texas roads since Nov. 7, 2000." Join TxDOT and Texans on ending the streak of daily deaths on our Texas roads. **#EndTheStreakTx**

End the Streak Digital Toolkit

TxLTAP

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