



## RITIS User Group Web Meeting Follow-Up February 2025

RITIS  
Login Page

Help  
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RITIS

Transportation  
Data  
Marketplace

Upcoming  
Coalition  
Events

Thanks to those who participated in the RITIS User Group Web Meeting on February 6, 2025. The purpose of these meetings is to help our members understand the tools available in the RITIS platform and to see how other members and peer transportation agencies are using their data and the tools to answer questions and simplify their processes within their agency.

Please click on the links below for more information about the event or visit the User Group Tab on the RITIS page of the Coalition website (<https://tetcoalition.org/projects/ritis-pda-suite/>).

- [Presentation with Audio](#)
- [Slides Only](#)
- [Question & Answer Summary](#)

### Overview of the new PDA Suite Energy Analytics Modules and Methodologies

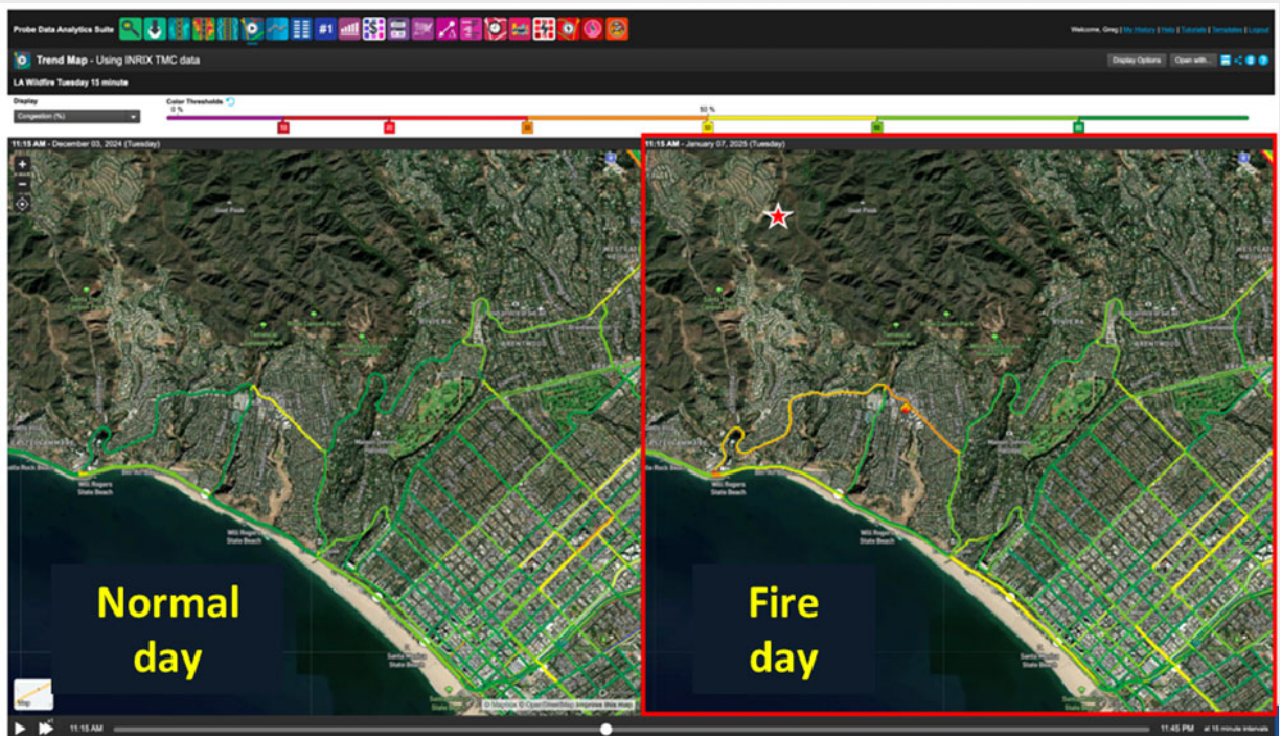
**Mark Franz of the University of Maryland CATT Lab** provided a demonstration of the updated Energy Use and Emissions data tools in RITIS. These tools were originally released in 2020 with visualizations of the data in matrix, trend map, and bar chart formats. The CATT Lab incorporated feedback about these tools and released a revised version. Many state and



The number of evacuation routes was limited because Palisades is geographically constrained by both the ocean and mountains. The main evacuation route used was the Pacific Coast Highway. Starting with the Trend Map tool's congestion metric, the CATT Lab determined that speed during the course of the evacuation ranged from 8 mph to 12 mph. Additionally, the Trend Map tool allowed hour-by-hour (or another selected interval) analysis of changing speeds and other traffic flow metrics. Next, the CATT Lab used the massive data downloader tool and Trip Analytics to produce detailed speed, travel time, and reliability statistics for vehicles taking Temescal Canyon Rd southbound to the Pacific Coast Highway.

The study area tool of Trip Analytics simplified the analysis by trimming away external routes while calculating the travel times inside the study area. In total, this analysis sampled 373 trips. The CATT Lab hopes that this demonstration inspires agencies to use the visualization tools in Trips Analytics to inform their emergency planning in the following ways:

- Providing storytelling resources to planners
- Effective communication of the urgency of evacuation orders to the public
- Public announcements – what to advise, and when
- Operations planning – how to mitigate bottlenecks



**December 3, 2024 (Tuesday)**

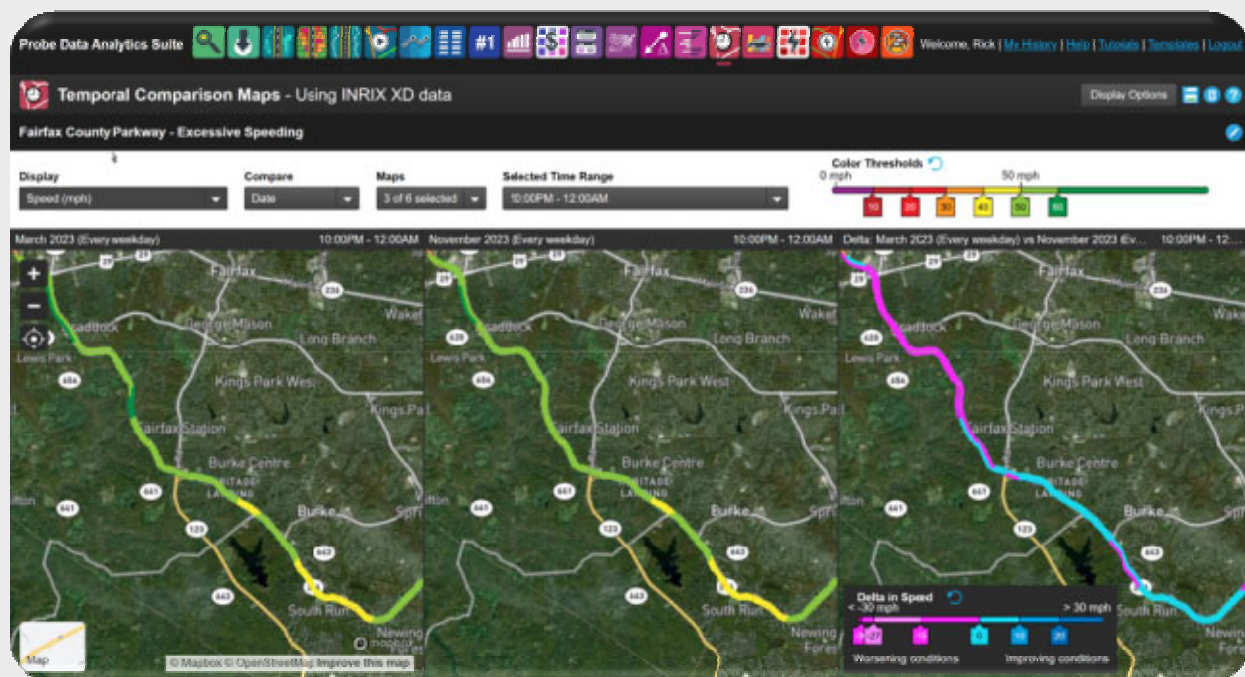
**January 7, 2025 (Tuesday)**

*Congestion comparison for Palisades, CA before and during evacuation.*



**Rick Ayers of the University of Maryland CATT Lab** presented how agencies can leverage existing probe data to identify speeding areas (instead of installing physical sensors or hardware). Both urban and rural areas across the US face the challenge of excessive speeding on their roads. Severe collisions and fatality rates are on the rise for drivers, cyclists, and pedestrians. RITIS PDA Suite has several tools to identify where and when excessive speeding occurs. Rick provided a demonstration of how to use the following tools:

- **Corridor Time Comparison** - Visualizes variations in key performance measures along a roadway corridor.
- **Temporal Comparison Maps** - Provides data-driven insights to understand the impacts of specific improvements to the network or to observe trends over time that events may have on a region (seen below).
- **Trend Map** - Creates animated maps of probe data performance metrics over time. Useful for seeing exactly when conditions deteriorate during rush hour.
- **Corridor Speed Bins** - Visualizes the number of probe readings recorded for congestion measures for a stretch of road over a particular time. Useful for quantifying how good or bad performance was during periods of interest or identifying areas where congestion occurs with high frequency.



For questions about how to use these tools, please contact Rick Ayers ([rayers@umd.edu](mailto:rayers@umd.edu)).

For questions about accessing these tools, please contact RITIS Support ([support@ritis.org](mailto:support@ritis.org))

## Want to share how your agency uses the RITIS & PDA Suite tools?

We'd like to thank Mark, Greg, and Rick for their presentations!

Does your agency have a RITIS use case to share with others? The Eastern Transportation Coalition would like to highlight how agencies use the RITIS tools. Please contact Rick Ayers ([rayers@umd.edu](mailto:rayers@umd.edu)) to discuss sharing your use case.

## RITIS Product Enhancement Working Group Update & Recent Deployments


**Bob Frey of Massachusetts DOT** provided an update on the progress of the RITIS Product Enhancement Group and their sponsored deployments in RITIS. The working group is currently voting to determine which enhancements should be funded in Fiscal Year 2026.

Staff from agencies who are interested in providing funding for enhancements or joining this group should contact Bob Frey ([bob.frey@dot.state.ma.us](mailto:bob.frey@dot.state.ma.us)) or Michael Pack ([PackML@umd.edu](mailto:PackML@umd.edu)).

**Michael Pack of the University of Maryland CATT Lab** provided an update of major updates on the RITIS platform and explained the current upgrades in progress. Updates include the ability to export shapefiles of study areas (seen below), Truck Parking Analytics, and adding fixed-position cameras from Vizzion to the Traffic Cameras layer on the Traffic Map.

To find out more about what's new in the RITIS Platform, visit the "What's New" section of each major platform area (**a RITIS username and password are required to view these pages**):

- [https://www.ritis.org/release\\_notes](https://www.ritis.org/release_notes)
- <https://pda.ritis.org/suite/updates/>
- <https://trips.ritis.org/new>



### Option 3

Use a custom geography to bound the study area.

☐ Upload area
 ☒ Select predefined areas
 ☐ Draw area

Assemble a single, contiguous area by selecting areas. Make selections by clicking the map or from one of the following sets:

☐ States
 

Select...

☒ Counties

#### Export as

☐ GeoJSON
 ☒ Shapefile
 

Export

## Agency Feedback

The CATT Lab team is always looking for ways to improve the RITIS platform and the PDA Suite. RITIS users can reach out at any time to the support team at [support@ritis.org](mailto:support@ritis.org).

## Upcoming Coalition Events – stay tuned for more information!

- RITIS User Group Web Meeting - May 1, 2025 - *stay tuned for more information!*



### Update your Traffic Volumes:

The tools discussed provide more accurate results when **you** provide updated traffic volume data! Please contact Michael Pack ([PackML@umd.edu](mailto:PackML@umd.edu)) for more information on getting your newer data into the PDA Suite.

## Transportation Data Marketplace

The Transportation Data Marketplace has six data sets and 11 vendors. Visit the [TDM page of the Coalition's website](#) for more information

## Follow the Coalition on social media and subscribe to be informed!

Recordings from many of the Coalition's web events are available on [TETC's YouTube channel](#) - [take a look](#).

Follow the Coalition on [LinkedIn](#) to hear about events, collaborations, and industry news.