



# RITIS User Group

Regular Meeting °Sept. 21, 2017



# Webcast and audio information

- › The call-in phone number is:

+1-415-655-0002 & enter 732 257 442# at the prompt

Please enter your attendee number, too!

- › Your phone line will be muted throughout the webcast

- › This web meeting is being recorded

- › All materials will be available to participants after the web meeting



# Asking questions



- › Please pose your questions using the chat box
- › Questions will be monitored, then answered by the speakers during their presentation or at the end of the webcast

*Type your question here* →

A screenshot of a chat box interface. The title bar says "Chat" with a close button (X). The main area contains the text "Please type your questions here for the presenter". Below this is a "Send to:" dropdown menu currently set to "Everyone". At the bottom is a large text input field and a "Send" button. A red arrow points from the text "Type your question here" to the input field, and another red arrow points from the text "then click here" to the "Send" button.

*then click here*

# Plan Ahead

- › Next meeting is currently scheduled for **Thursday, January, 18th 10:30am – Noon (EDT)**
- › Look for more information following this meeting!



# Welcome & introductions



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**John Allen**

UMD CATT Lab  
Agency Support

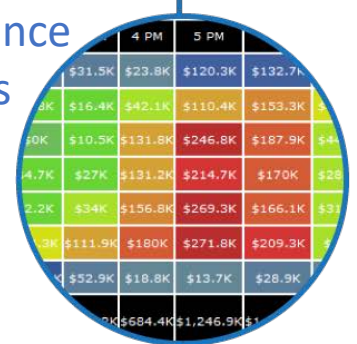
[JAllen35@umd.edu](mailto:JAllen35@umd.edu)

215.666.3157

# Our agenda for today

- › What's new
- › On the horizon...
- › Spotlight Presentations
  - › Eclipse
- › “Pack’s Pointers”
  - › Weather
- › RITIS Roadmap Update
- › Agency Input Session
- › Wrap up

Performance  
Measures



Planning



Operations



Communications





*Now available to Coalition Members...*



## Application Quick Reference Guide



# A user-friendly Quick Reference Guide to get you up and running *fast*...

## 2 Top Critical Work Zones

► This widget shows the top work zone locations by severity



How to use the Top Critical Work Zones Widget...

Click on an event name in the list to open an **Individual Work Zone Profile** for that location (see page 12).

Click on the gear icon to open the **Top Critical Range** scale, where you can set severity thresholds for Major and Critical events by simply dragging the sliders:



This image shows the queue length over the past 3 hours in 15 minute intervals. The orange spots represent the start and end points of the queue as well as its minimum and maximum lengths. The number at the end of the chart is the current queue length.

Cumulative user delay cost for the last week of each work zone.

TOP CRITICAL WORK ZONES				
SEVERITY/EVENT	LANE STATUS	QUEUE LENGTH (MI)	USER DELAY COST (\$)	
▼ Critical (53)		77.3	\$6.3M	
Arterial: I-85 ACCESS RD		1	\$0.1M	
US 50 WEST AT MP 34.3 (BAY BRIDGE) LANE 3 TWO WAY OPERATIONS		0.6	\$20	
US 50 EAST/WEST FROM AUTUMN GROVE CT TO HOBBS RD		0.6	\$33.4K	
MONTGOMERY COUNTY: I-495 EAST FROM (MD - 185) - CONNECTICUT AVE (I - 495) TO EXIT 33 - MD 185 CONNECTICUT AVE (EB) (I - 495)		1.7	\$0.5M	
MONTGOMERY COUNTY: MD-355 SOUTH FROM (CO - 369) - ELM ST (MD - 355) TO (CO - 4419) - BETHESDA AVE (MD - 355)		0.3	\$41.2K	

Click on an event icon in the list to center that event in the **Work Zones Locations** map (see page 8).




**Lane Status** provides a schematic of the lane configuration, with any affected lane(s) highlighted in **red**.

Roll your mouse pointer over the thumbnail graphic to show queue lengths (indicated by orange and green dots on the line graph) in 15 minute intervals over the last three hours.


The cumulative user delay cost for the last week is shown for each work zone, as well as a total for each severity category (**Major/Critical**).

7

To download your copy, go to: <http://i95coalition.org/...>

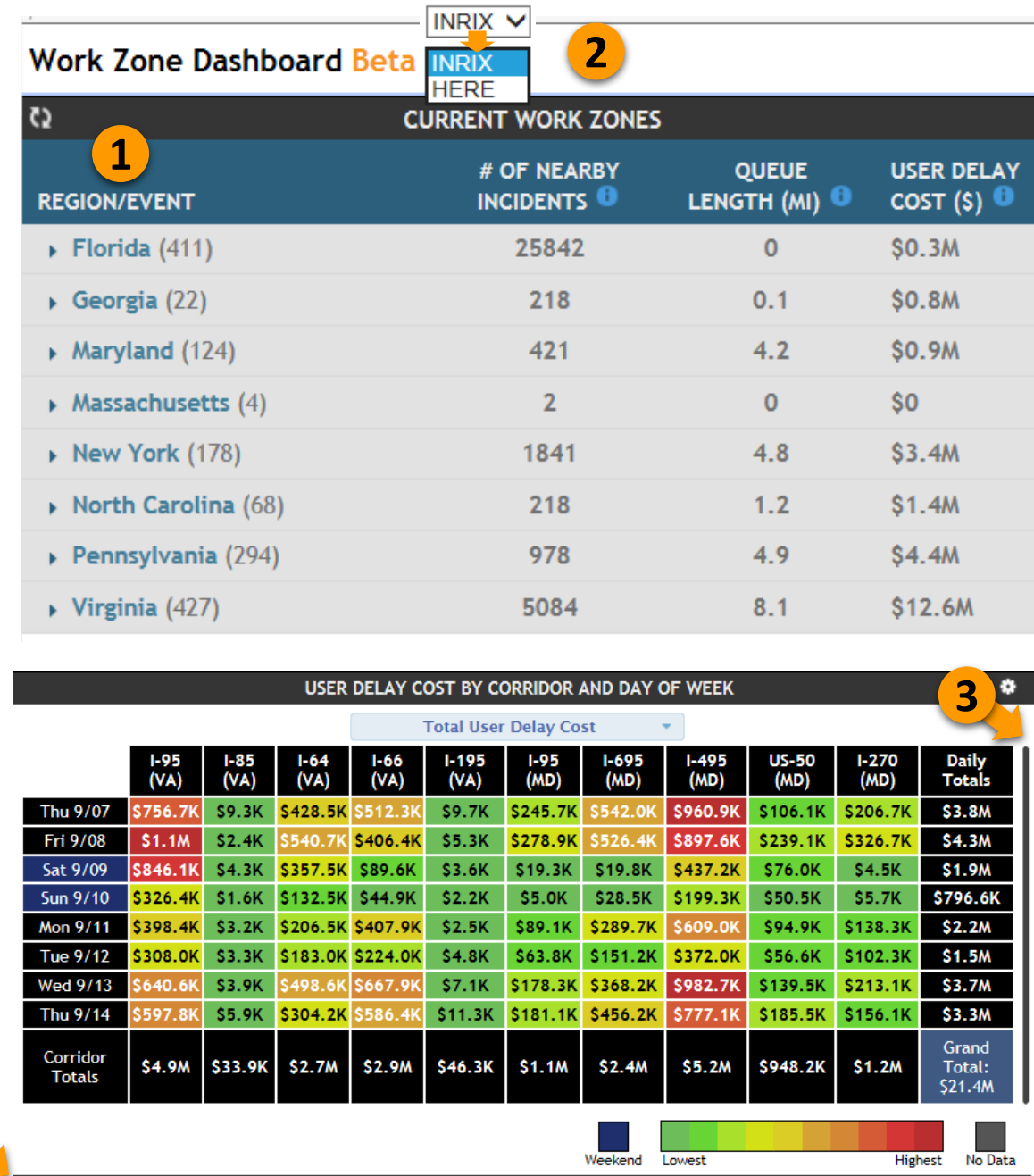


# What's new...



# WZPMA Dashboard

- 1 Added the Coalition states
- 2 Added a data source filter
- 3 Made the UDC table “scrollable”





# RITIS Chat

- › Significantly improved Chat login times
- › *Prior to this release, login times were painfully slow—lasting several minutes sometimes (depending on one’s bandwidth, current usage, etc.) Login times are now nearly instantaneous—allowing for collaboration immediately.*



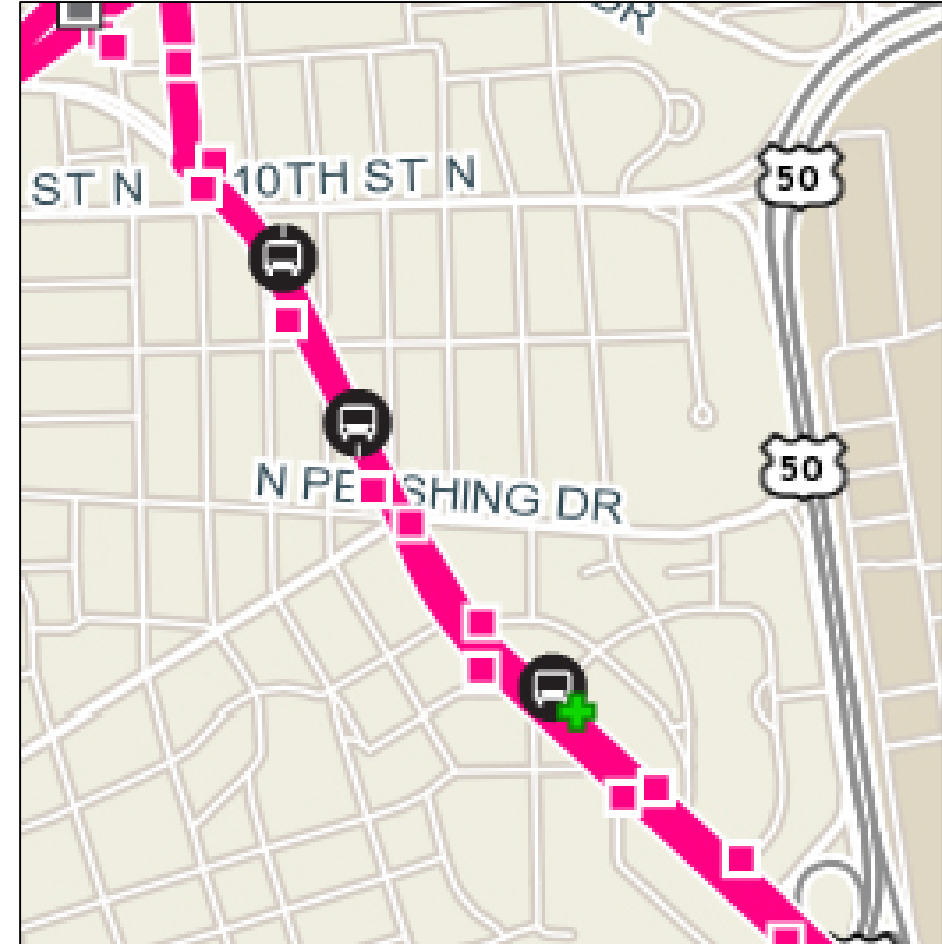


On the horizon...

# Transit Integration



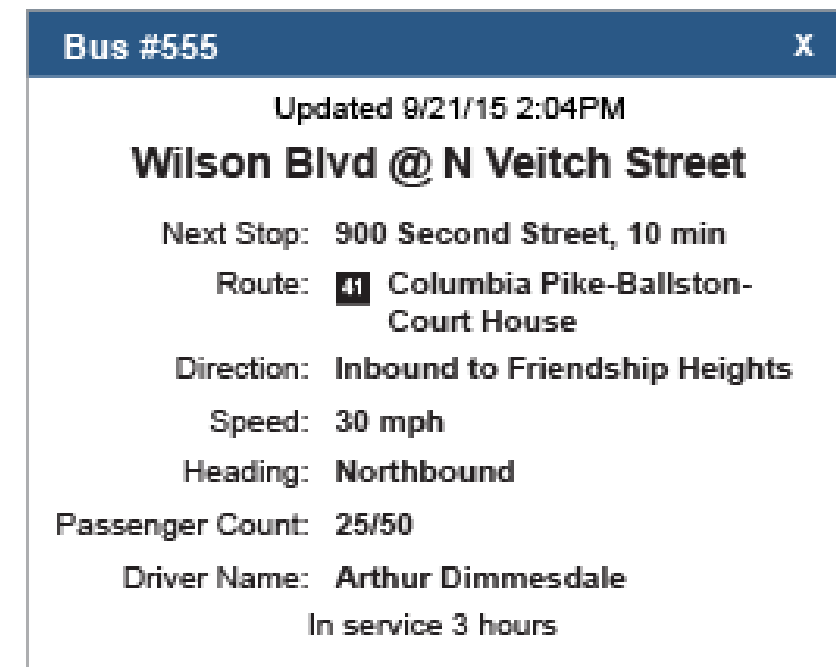
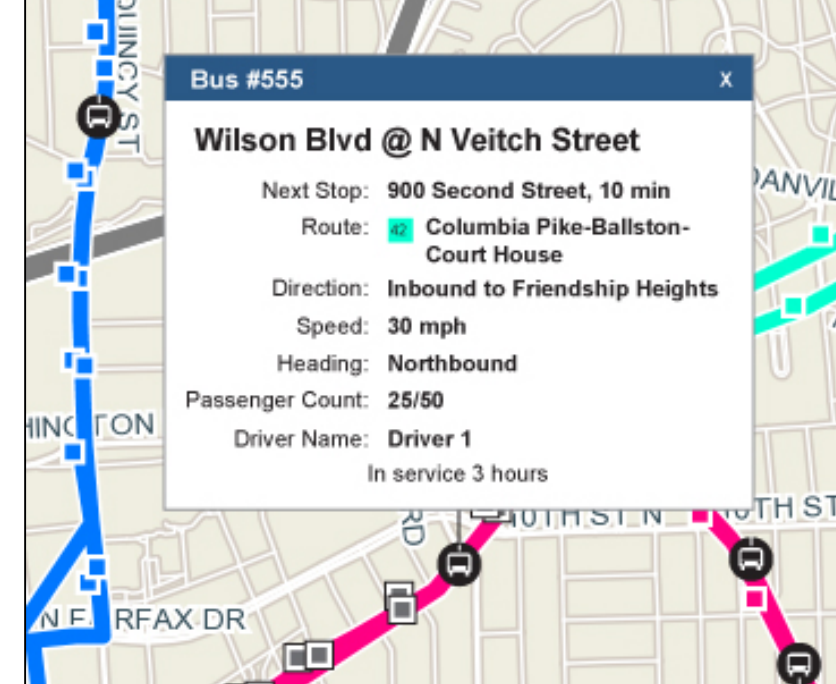
- **Vehicle icons:** The vehicle icons will display on the map. They will show the approximate direction the vehicle is traveling and the type of vehicle based on the icon.
- Vehicles that are close to each other will be grouped the same way incidents are.
- **Transit vehicles that will be included:**
  - Bus
  - Metro/subway
  - Train
  - Trolley
  - Ferry





# Transit

- Clicking on one of the vehicle icons will bring up this window.
- Each route will have a distinct identifying color. However, coloring the routes has its drawbacks, as there are a limited number of distinct colors.
- Clicking on the “X” will close the pop-up. The pop-ups are draggable, but will remain connected to their respective icons by a line between them.
- The pop-ups will include information on the vehicle’s next stop, the route it is traveling, direction of travel, speed, and driver/passenger information (if available).





# Transit Stops

- Clicking on one of the stop icons will bring up this window.
- Each stop pop-up will include (as applicable) a “Nearby Incidents” section, which will warn the user of any incidents that may obstruct a given route. In the example given, the two incidents listed would be within a 10-mile radius (or smaller) of the chosen stop, and would likely cause delays to the routes listed.

**Wilson Blvd @ N Veitch Street** X

Next Arrival: Rte. 41 to Court House,  
10 min

Routes Served: 41 Columbia Pike-Ballston-  
Court House  
42 Columbia Pike-DHS/  
Sequoia-Rosslyn

Accessible: **Yes**  
Nearby Parking: **Street**  
Nearby Incidents: 🚧 [Fort Myer Dr.](#)  
🚧 [Key Blvd.](#)

The map view shows the same pop-up window overlaid on a street map. The map highlights the routes served by the stop: Route 41 (Columbia Pike-Ballston-Court House) in green and Route 42 (Columbia Pike-DHS/Sequoia-Rosslyn) in pink. The pop-up window contains the same information as the full-screen view, including the next arrival time, routes served, accessibility, nearby parking, and nearby incidents.

**Wilson Blvd @ N Veitch Street** X

Next Arrival: Rte. 41 to Court House,  
10 min

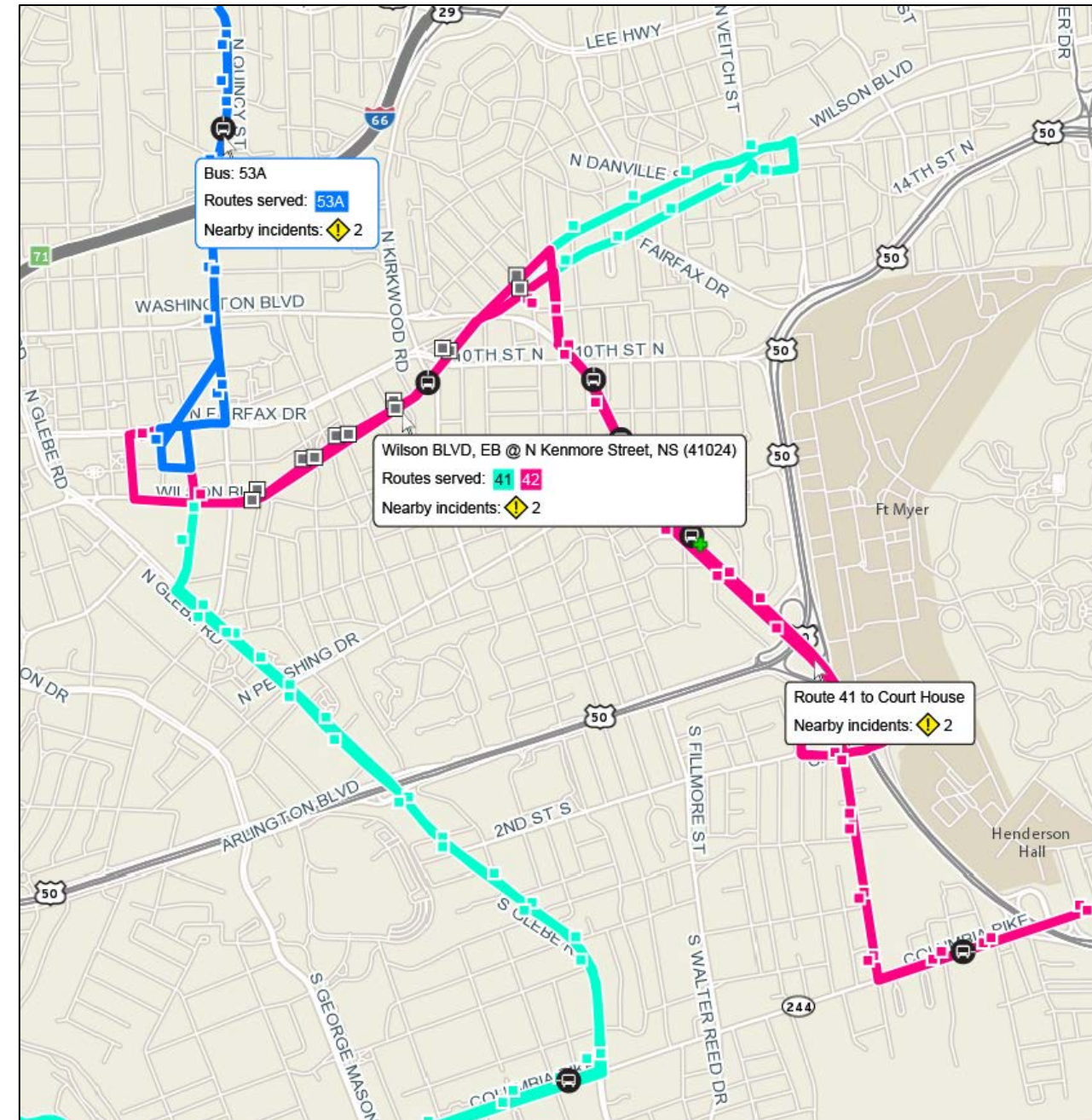
Routes Served: 41 Columbia Pike-Ballston-  
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42 Columbia Pike-DHS/  
Sequoia-Rosslyn

Accessible: **Yes**  
Nearby Parking: **Street**  
Nearby Incidents: 🚧 [Fort Myer Dr.](#)  
🚧 [Key Blvd.](#)

# Transit Hovering

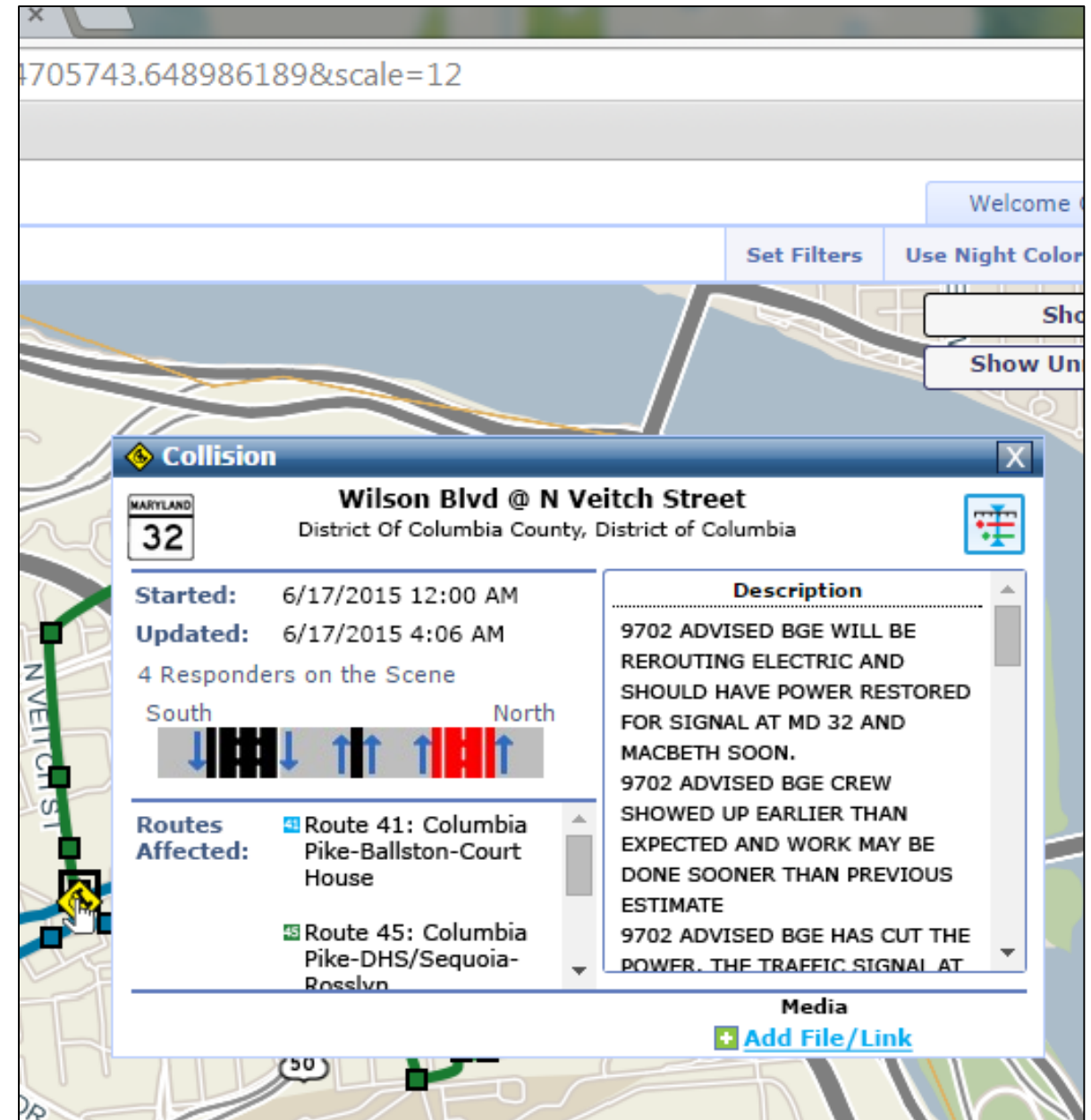
If there are any incidents that will affect a stop, vehicle, or route, the tooltips will reflect that.

- **For vehicles:**
  - The type of vehicle
  - The vehicle ID/Number
  - The routes the vehicle is serving
  - Generic incident icon + number of incidents affecting the vehicle
- **For stops:**
  - The stop location
  - The routes the stop is serving
  - Generic incident icon + number of incidents affecting the stop
- **For routes:**
  - The route name
  - Generic incident icon + number of incidents affecting the route



# Transit in Incident Popups

1. If an incident is situated on or near any public transit routes, it will include a “Routes Affected” section in its pop-up.
2. “Routes Affected” can expand to accommodate as many routes as necessary, and will scroll.

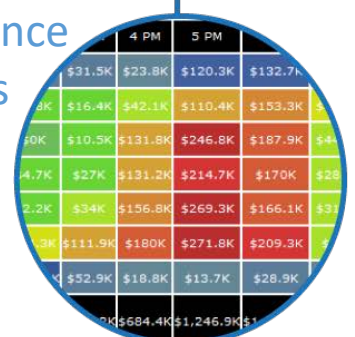




# Waze Integration & Analytics Tasks

- Understand Waze data's affect on operations and planning
- Facilitate the archiving of Waze data for operations, planning, and research
- Explore solutions to Waze data challenges including:
  - Integration with agency ATMS and 511 platforms
  - Duplicates (from Waze)
  - Duplicates (Waze and Agency/CAD/Other)
  - Long-term storage
  - Analytics
- Document recommended practices for negotiating data sharing agreements

Performance Measures



Planning



Operations

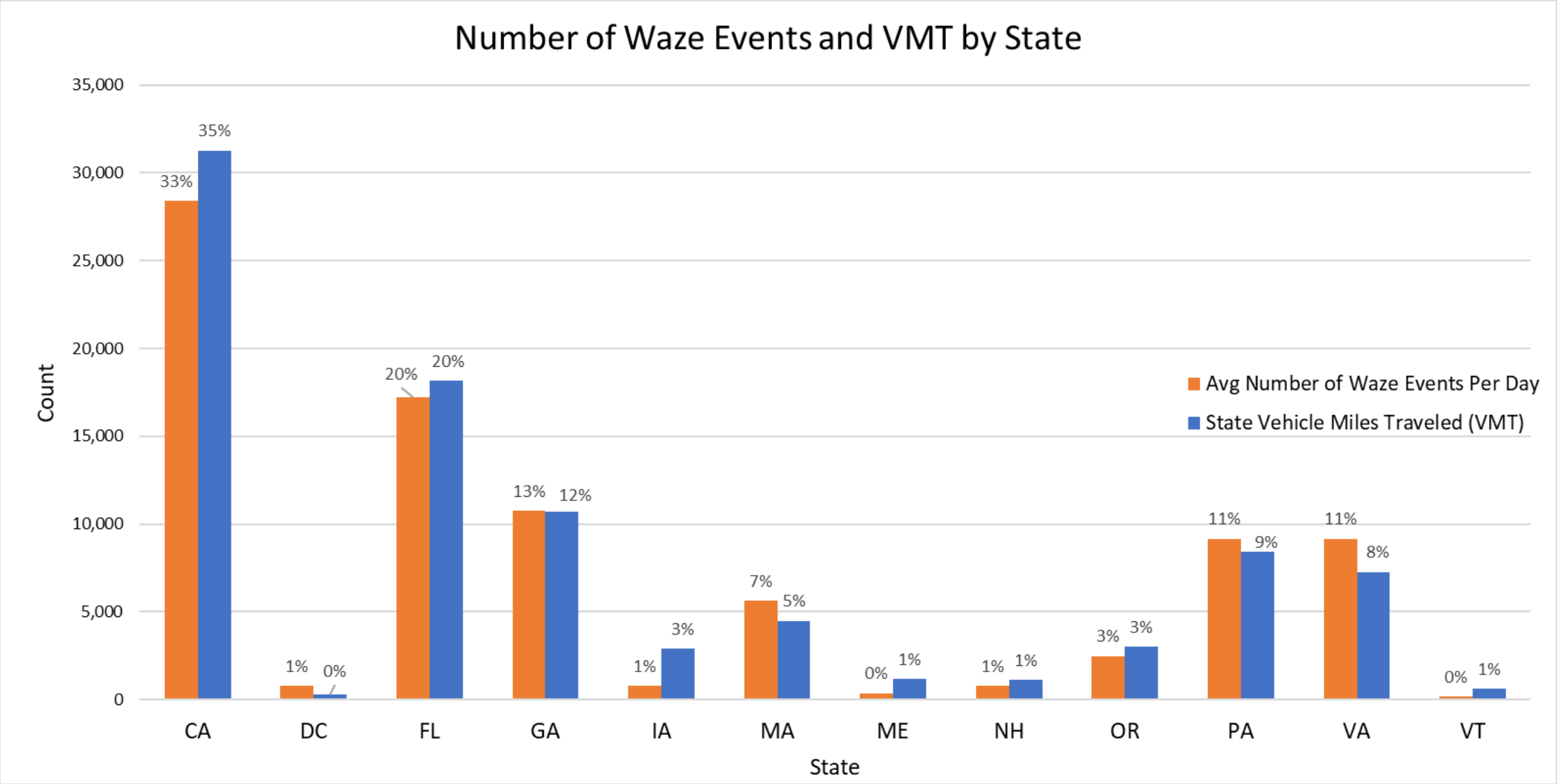


Communications





# 12 States for which we currently archive Waze

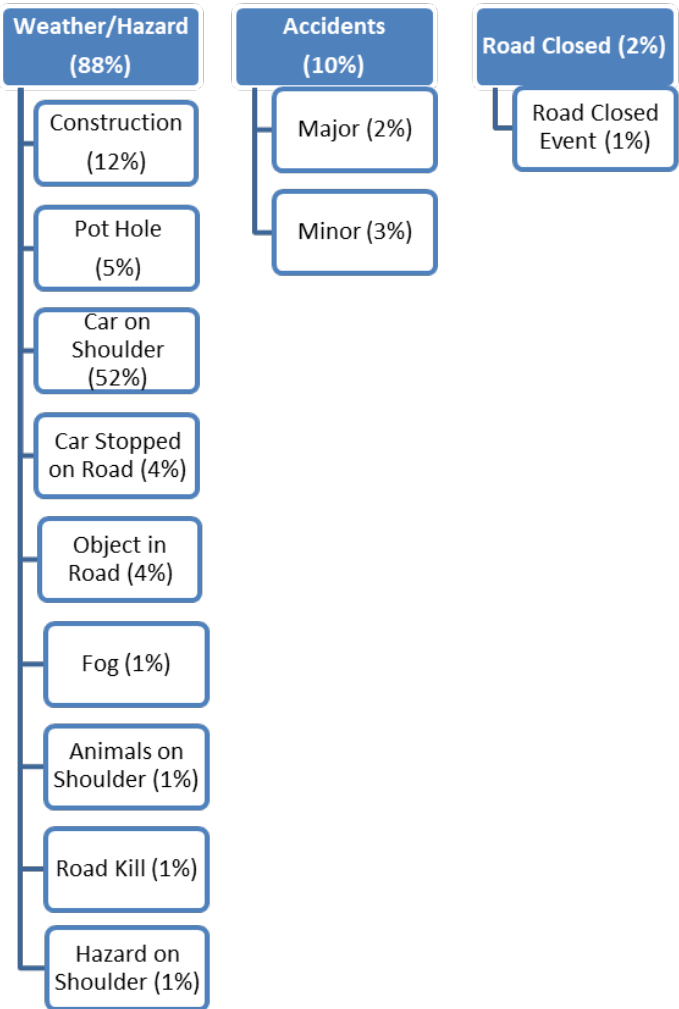


**Note:**

- Waze data excludes jams event type
- Waze 3 Month Period of 3/17 – 5/17 displayed

# Waze Dataset Overview

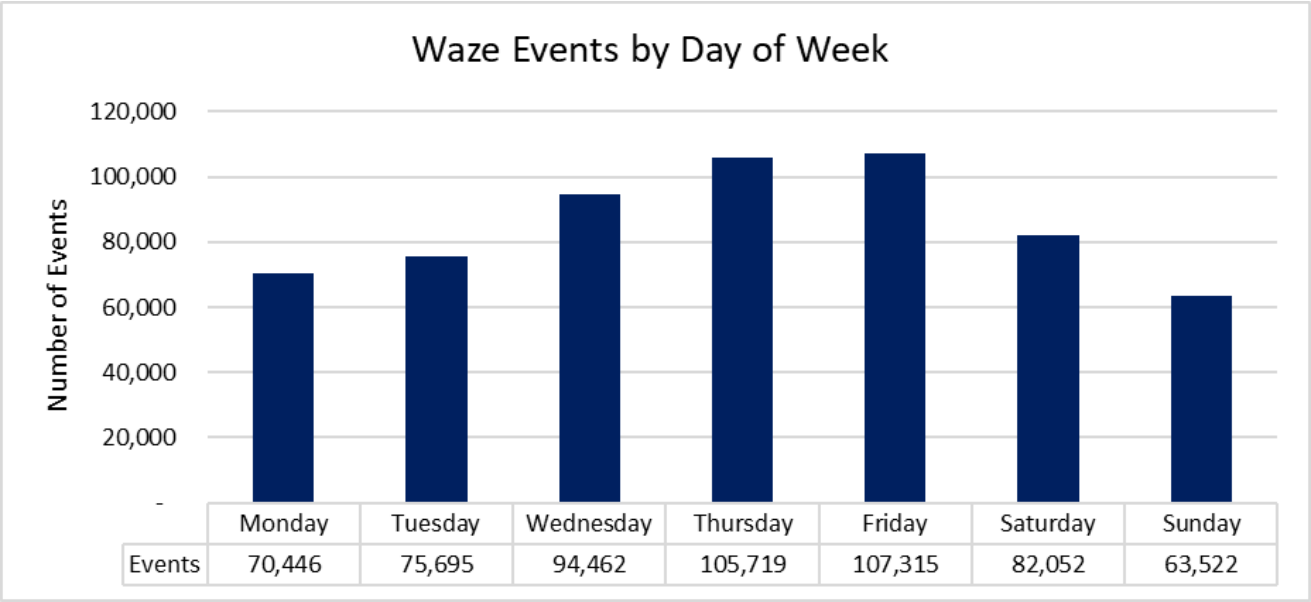
## Waze Event Types



- Note:**
- Waze data excludes jams event type
  - Waze 3 Month Period of 3/17 – 5/17 displayed

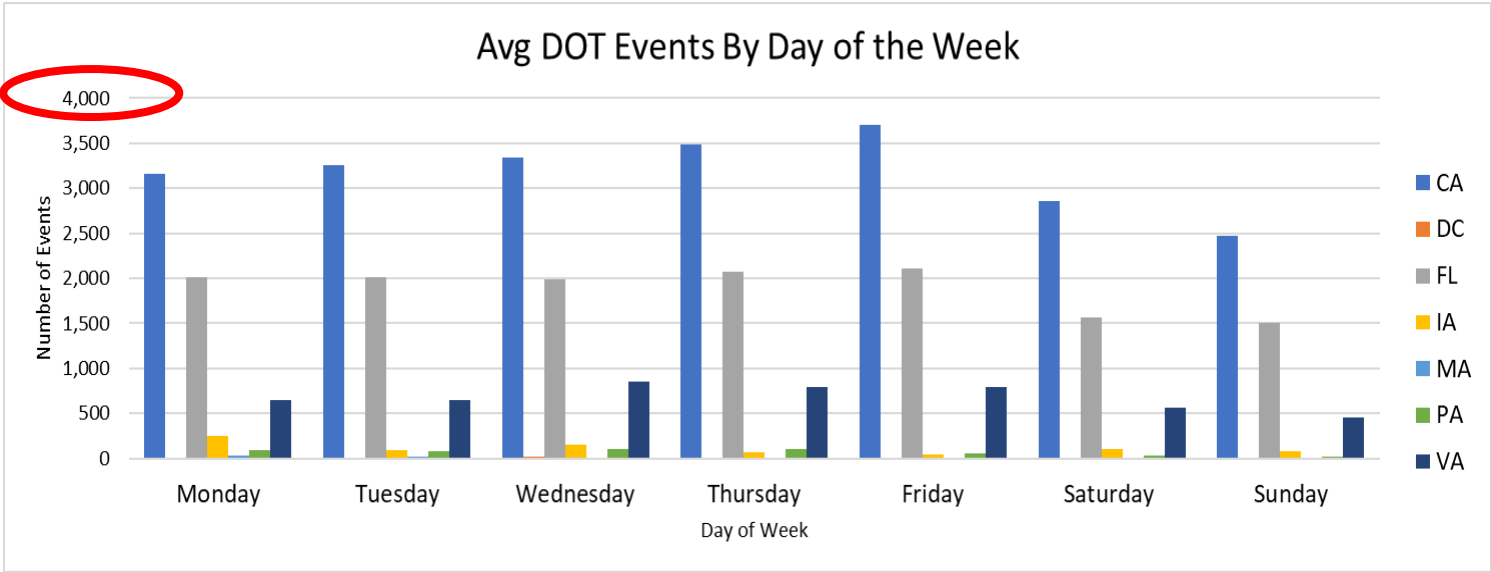
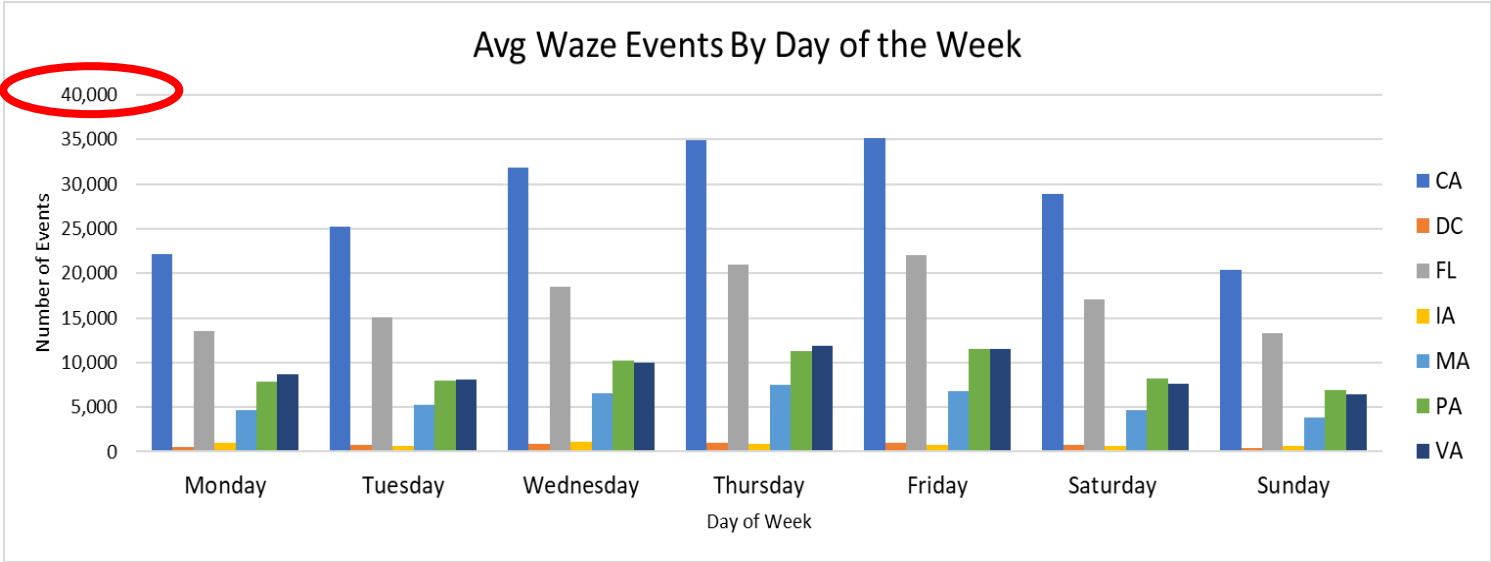
## Waze Event Data Summary

- Average number of daily / hourly events: 86,000 / 3,600
- Number of states: 12
- Day with maximum events: Thursday, 03/02/17 - 164,000
- Day with minimum events: Monday, 03/13/17 - 27,000



# Events by Day of the Week: DOT vs Waze

10x  
more



State	Avg Waze Events Per Day	Avg DOT Events Per Day
CA	28,389	3,184
DC	777	16
FL	17,210	1,895
IA	810	114
MA	5,613	14
PA	9,171	70
VA	9,168	681

**Note:**

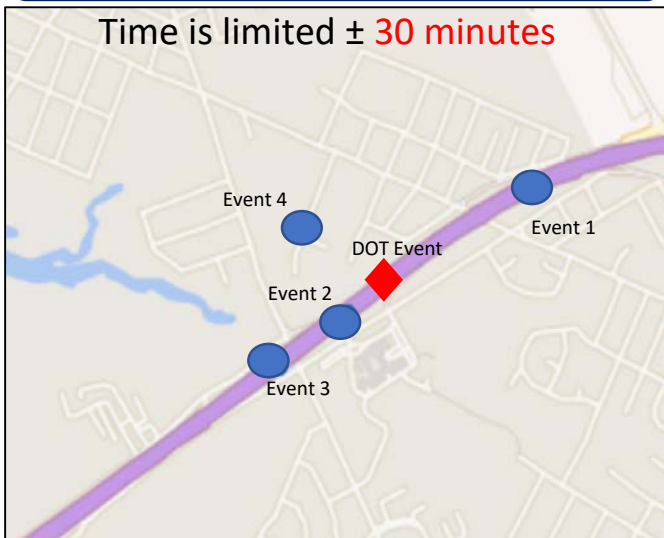
- Waze data excludes jams event type
- Waze 3 Month Period of 3/17 – 5/17 displayed

# Some Waze events are duplicates with the DOT

- Matched DOT reported events to Waze events from 3/01/17 to 5/31/17

## Temporal Matching Threshold

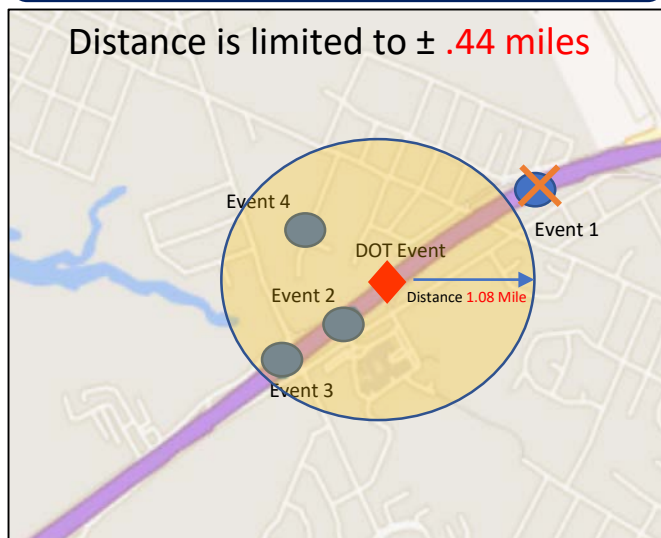
Time is limited  $\pm 30$  minutes



Identified 4 Waze events within  $\pm 30$  minutes of the DOT event

## Spatial Matching Threshold

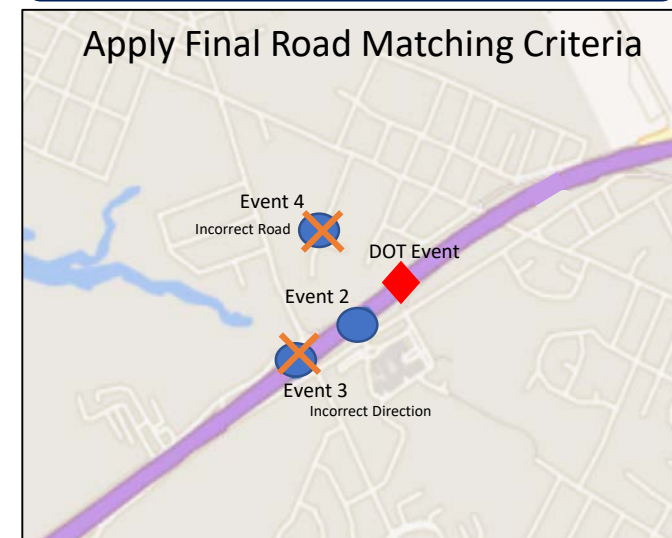
Distance is limited to  $\pm .44$  miles



Determined that 3 of the Waze events were within  $\pm .44$  miles of the DOT event

## Road Matching Rules

Apply Final Road Matching Criteria



Determined that 1 of the Waze events was on the correct road and direction of travel



# But there are a LOT of events that don't match up...

- Matched 41% (4,285) of VDOT disabled vehicle events to Waze
  - Found that in this 3 month period, 98.6% (364,646) disabled vehicle events from Waze were not matched to a VDOT event
- Matched 34% (6,562) of FDOT disabled vehicle events to Waze
  - Found that in this 3 month period, 99% (751,208) of disabled vehicle events from Waze were not matched to a FDOT event

# Matching Results: Florida Disabled Vehicles

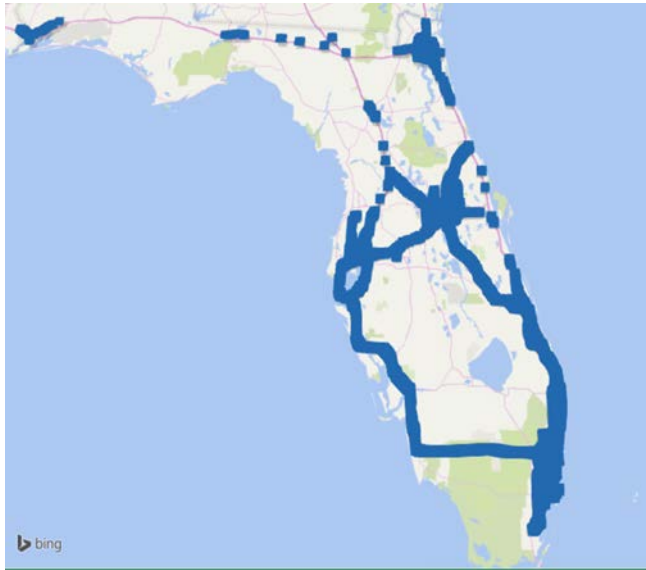
Waze Events



FDOT Events



Waze vs FDOT Matches



Top 3 Roadway with Highest Number of Events for FDOT

	I-95	I-75	91 Mainline/ Turnpike
Waze Dataset	160,138 (21%)	146,723 (20%)	119,570 (16%)
FDOT Dataset	7,154 (37%)	3,436 (18%)	2,559 (13%)

# There are also duplicates in the Waze feeds...

- During this 3 month period, ~4% of disabled vehicle Waze event reports were duplicative
- **Removing duplicative reports increases usability of Waze data:**
  - FDOT: 309 fewer events a day / 13 fewer events an hour
  - VDOT: 187 fewer events a day / 8 fewer events an hour

Type of Event	Total Number of Waze Events During this Period	Total Number of Waze Events During this Period After Clustering	Percent Reduction in Events Due to Clustering
VA Disabled Vehicles	369,935	353,078	4.6%
FL Disabled Vehicles	758,956	731,149	3.7%

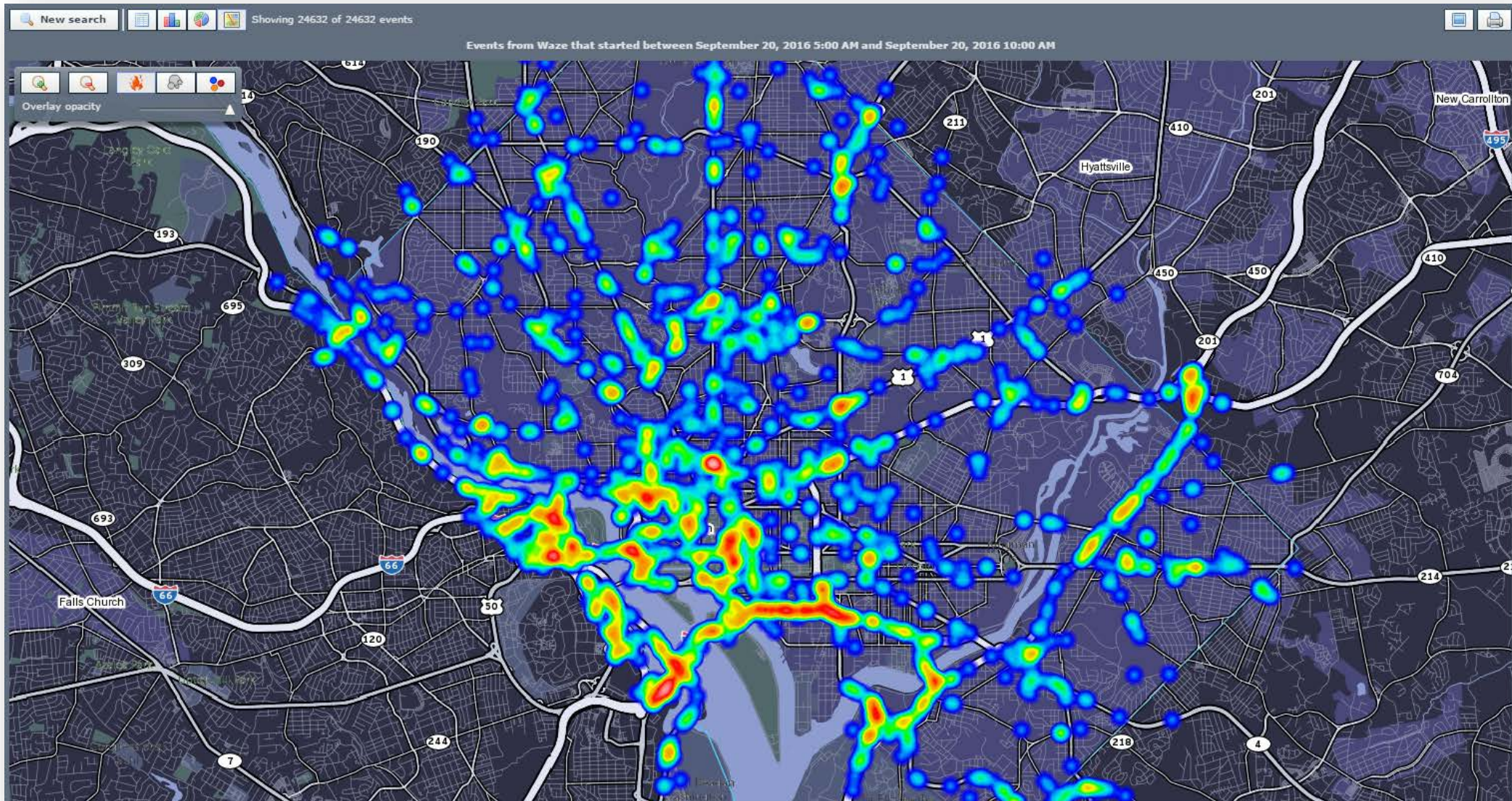
# One benefit of Waze data: timeliness (especially for the smaller stuff)

- During this 3 month period, Waze events were reported sooner than through the DOT ATMS which has the potential to improve response times

Type of Event	Total Number of DOT Events During This Period	Total Number of Waze Events During this Period	Percentage of Events that were Reported By Waze First	Average Time that a Waze Event was Reported Before a DOT Event
VA Disabled Vehicles	10,341	369,935	68%	14 Minutes Earlier
FL Disabled Vehicles	19,310	758,956	56%	13 Minutes Earlier



# Visualizing Historic Waze data with Analytics





# Next Steps

- Continue to analyze other event types (not just disabled vehicles)
- Evaluate other states
- Explore other duplicate-reduction algorithms that take into account speeds, speed limits, and other factors beyond time and space variables.
- Synthesize other benefits and technical approaches from state partners
- Document technical approaches to reducing duplicates, storage, etc.
- Document recommended practices for negotiating acceptable use to keep from repeating past mistakes.

# Flash Migration & Modernization

- › CCTV
- › Radio Player
- › Security Patching
- › More

The screenshot displays the RITIS CCTV Viewer interface in a Google Chrome browser window. The main area is divided into several live video feeds from various locations:

- Piney Branch Rd and Eastern Ave NW:** Shows a road view with a bridge and traffic.
- US 50 AT MD 202 - EX 3:** Shows a multi-lane highway with traffic.
- VDOT FREE TRAFFIC INFO | 511virginia.org:** A large feed showing a traffic jam on a highway.
- COLLEGEVILLE - WOODWARD:** Shows a road view with traffic.
- US-30 E OF ST MARGARETS:** Shows a road view with traffic.
- MD 655 - HUNTER:** Shows a road view with traffic.

On the right side, there is a **Show Layer List** panel with a **Radio Feeds** section. It lists various radio feeds for Suffolk County, NY, including:

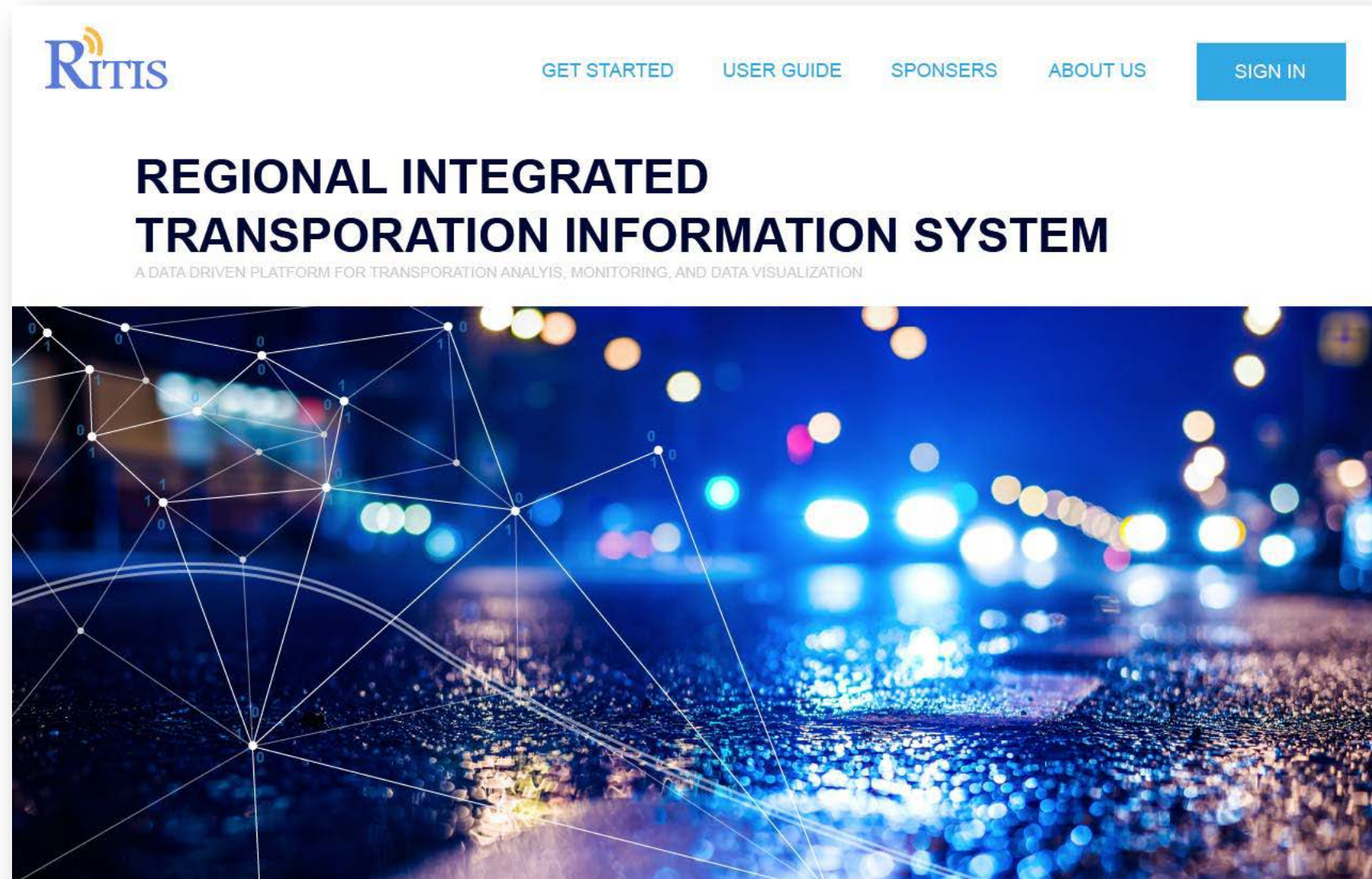
- W2YMM 927.3125 MHz R...
- W2YMM Repeater System
- Center Moriches Fire and...
- Holbrook Fire and EMS
- Dix Hills Fire and EMS
- St James, Nesconset an...
- Suffolk County Fire and E...
- Yaphank Fire
- Suffolk County Fire - 5th ...
- Pine Barrens Area Fire
- West Islip Fire Dispatch
- Riverhead Volunteer Amb...
- East Hampton Police, Fir...
- West Sayville Fire
- Fishers Island Fire
- Shelter Island and South...
- Bayport Aerodrome (23N)
- Huntington Manor Fire
- New York City Area NOAA...
- Commack Fire District
- Suffolk County Fire
- Suffolk County Police De...
- Medford Fire Dispatch
- WR2UHF 444.7000 MHz ...
- Halesite Fire
- Selden Fire
- Babylon Town and Deer P...
- W2TOB 440.250 MHz Dst...
- Suffolk County Police - 2n...
- Northport Fire
- Greenlawn Fire, Rescue, ...
- Northport and Fort Salom...
- Bohemia Fire

At the bottom right, there is a **Show Unmapped Incidents** button and a scale bar in miles (0 to 120).



# RITIS Modernization

- › New look
- › New layout
- › New features
- › Better integration
- › Targets your needs






# RITIS Modernization

- > Learn about the tools that fit your area of need...

## GET STARTED

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in nisi dolor. Nam vel sollicitudin dui. Aliquam egestas suscipit egestas. Proin ullamcorper enim nec neque sodales placerat. Nunc vehicula leo eget aliquam tempus. Vivamus in viverra nulla. Quisque at ullamcorper tellus, ut auctor libero.


### I'M INTERESTED IN TOOLS THAT HELP ME WITH...



#### PLANNING & HISTORIC DATA

...MAP-21 compliance, performance monitoring, event planning, and benefits/cost analysis.


THIS IS ME



#### OPERATIONS & LIVE DATA

...Situational awareness for monitoring and response, real time and predictive traffic monitoring.

THIS IS ME



#### DATA VISUALIZATION FOR RESEARCH

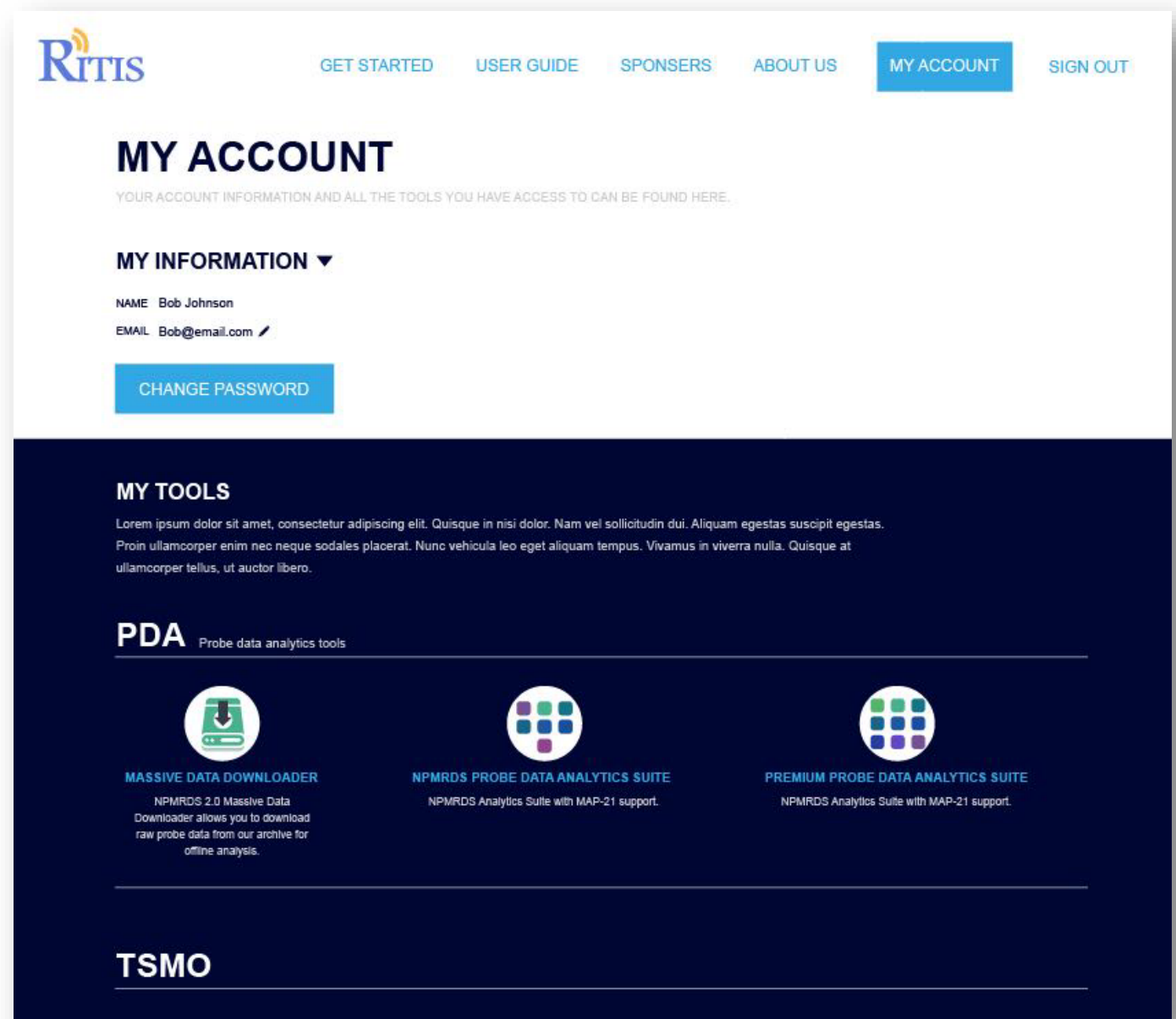
...Advanced data visualization and data base "drilling", and data archives.

THIS IS ME

## REQUEST AN ACCOUNT

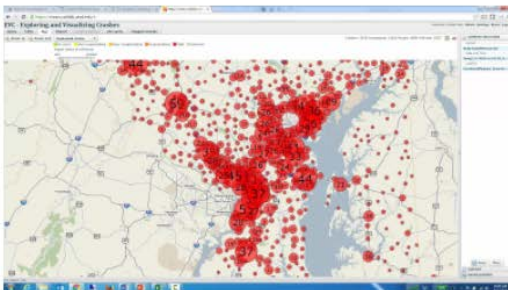
# RITIS Modernization

- › A “my account” page to manage your RITIS account and all your tools...

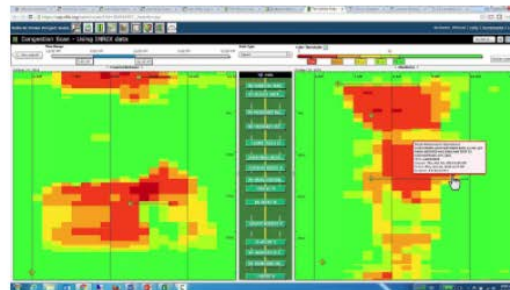


# Updating Video Tutorials

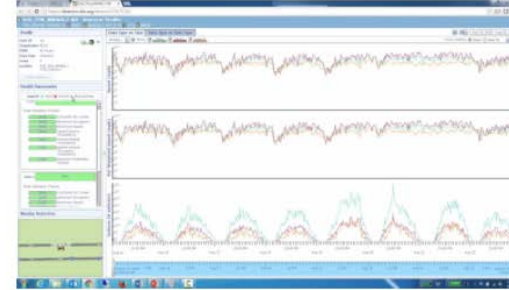
- HD Tool Walk-throughs on Vimeo
  - NPMRDS / MAP-21: <https://vimeo.com/208589756>
  - Work Zone Performance Monitoring: <https://vimeo.com/207291891>
  - Traffic Sensor Analytics: <https://vimeo.com/179847599>
  - ATMS Data Analytics with ICE: <https://vimeo.com/179841494>
  - Analyzing Police Crash Records: <https://vimeo.com/179830512>
  - Transportation Project Prioritization: <https://vimeo.com/179829037>



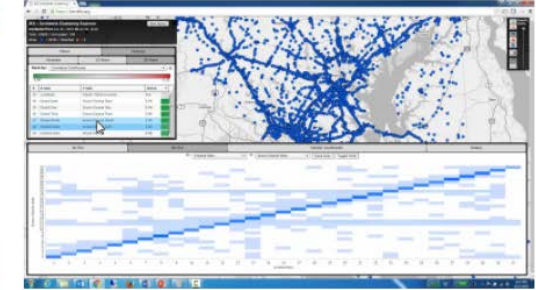
Analyzing Police Crash Records  
© Michael L Pack | 46 plays



Transportation Project Prioritization  
© Michael L Pack | 61 plays



Traffic Sensor Analytics  
© Michael L Pack | 51 plays



ATMS Data Analytics with ICE  
© Michael L Pack | 21 plays

# Online Course with RITIS Tutorials and Workshops

- **Archived Data for Planning, Operations, and Safety (Blended)**
- <http://www.citeconsortium.org/course/archived-data-planning-operations-safety-2/>

The screenshot shows the CITE website interface. At the top, the CITE logo is displayed with the tagline 'Providing online interactive advanced transportation training and education'. A search bar is located in the top right corner. Below the logo, a navigation menu includes links for HOME, ABOUT, E-LEARNING, REGISTRATION, PARTNERS, RESOURCES, and CONTACTS. The main header area features the course title 'Archived Data for Planning, Operations, and Safety (Blended)' in a green banner, with a sub-header indicating 'Length: Approximately six hours'. Below this, a breadcrumb trail reads 'Back | Home » Courses » Blended Courses » Archived Data for Planning, Operations, and Safety (Blended)'. The content area is divided into two columns. The left column, titled 'Description', contains a paragraph about the course's purpose: to help users understand the benefits of creating an open and accessible data archive, the challenges involved, and how real-world examples can be leveraged for better decision making. The right column, titled 'Objectives', lists four bullet points: communicating business cases for archiving data, understanding the importance of visual analytics, identifying real-world use-cases for leveraging archives, and evaluating the pros and cons of different archive implementation strategies. Below the description, there is an 'Outline' section with a dropdown arrow. To the right of the outline, there is a 'Syllabus' section with a green button labeled 'DOWNLOAD SYLLABUS' and an 'Author' section listing Michael Pack, Director of the Center for Advanced Transportation Technology (CATT) Lab.

**CITE** Providing online interactive advanced transportation training and education

search...

HOME ABOUT E-LEARNING REGISTRATION PARTNERS RESOURCES CONTACTS

**Archived Data for Planning, Operations, and Safety (Blended)**

Length: Approximately six hours

Back | Home » Courses » Blended Courses » Archived Data for Planning, Operations, and Safety (Blended)

**Description**

This course is designed to help you understand the benefits of creating an open and accessible data archive of your agency's data. It will also explain the challenges you might face in trying to make your agency's data more open and available to others, and ways in which you can mitigate those challenges. After showing you some real-world examples of how data can be leveraged for better decision making and analysis, we'll discuss the pros and cons of building your very own archive, leveraging technologies that others have developed, or paying a consultant to help you with your archiving needs.

**Objectives**

Upon completion of the course, participants will be able to:

- Communicate the business cases for archiving data
- Understand the importance of visual analytics in making your archive more valuable
- Identify real-world use-cases for leveraging archives for better decision making
- Evaluate the pros and cons of different archive implementation strategies

**Outline** ▼

**Syllabus**

[DOWNLOAD SYLLABUS](#)

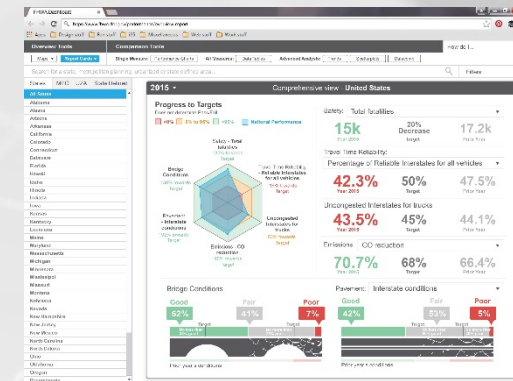
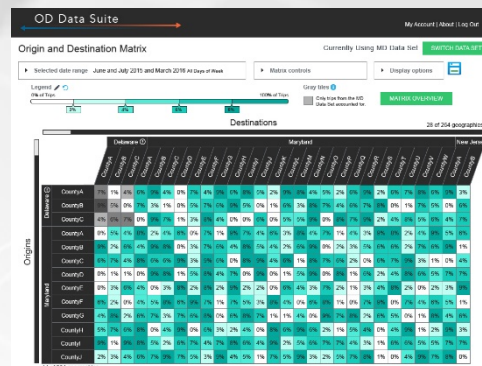
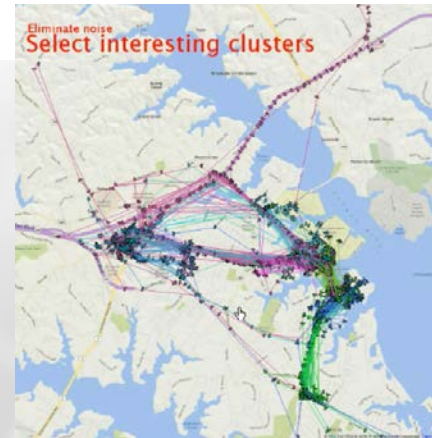
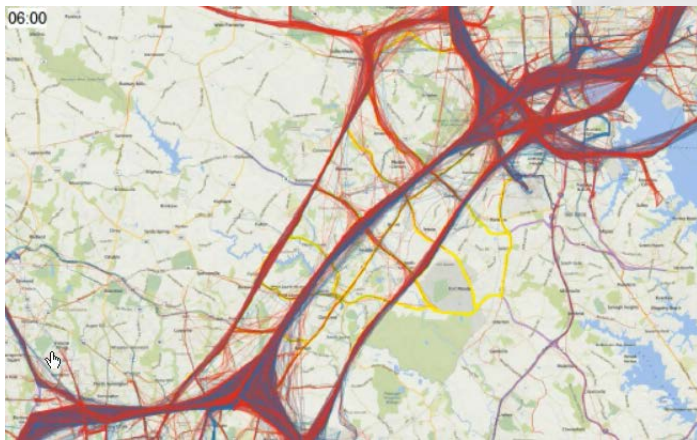
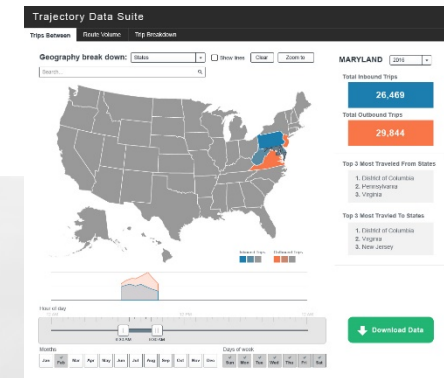
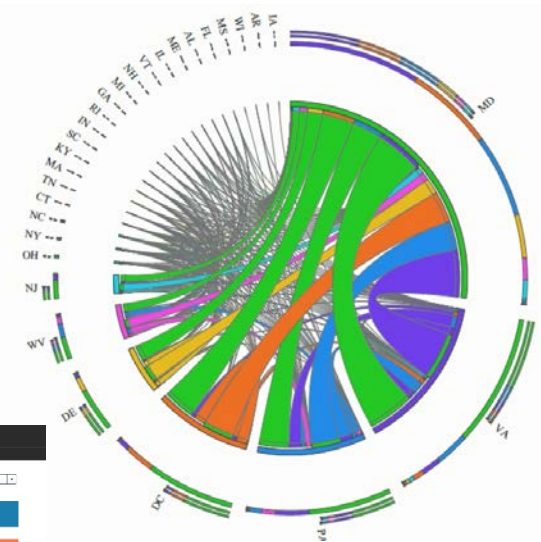
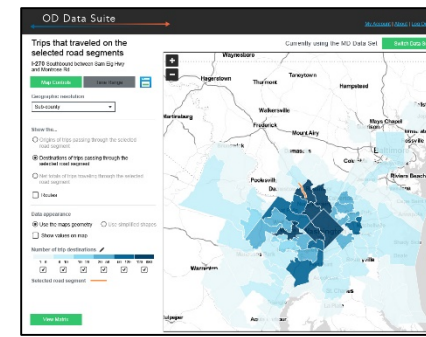
**Author**

Michael Pack, Director  
Center for Advanced Transportation Technology (CATT) Lab



# Further down the road

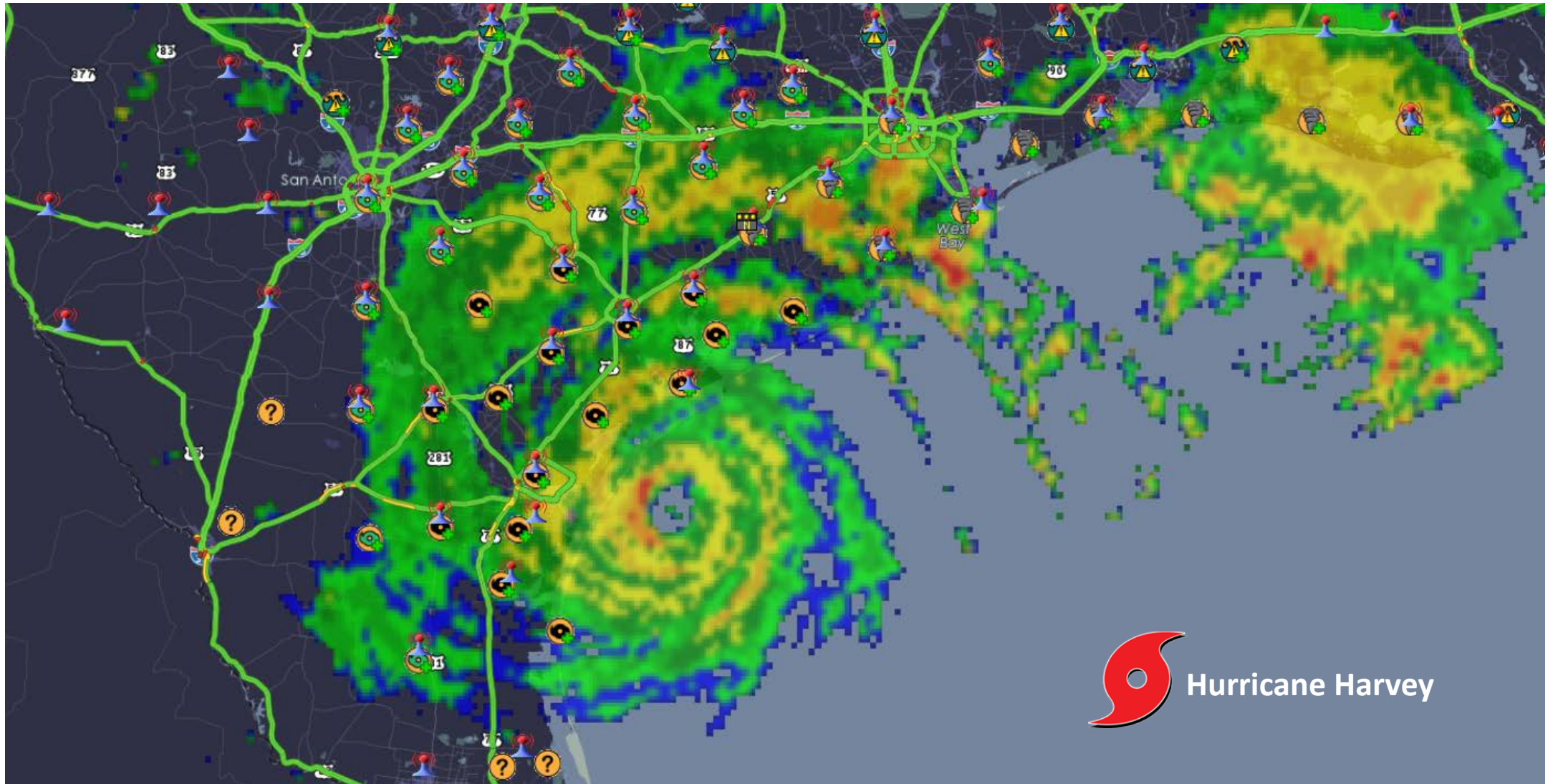
- O-D/Trajectory Analytics
- Signalized Arterial Timing Plan Optimization
- Transit Analytics
- More



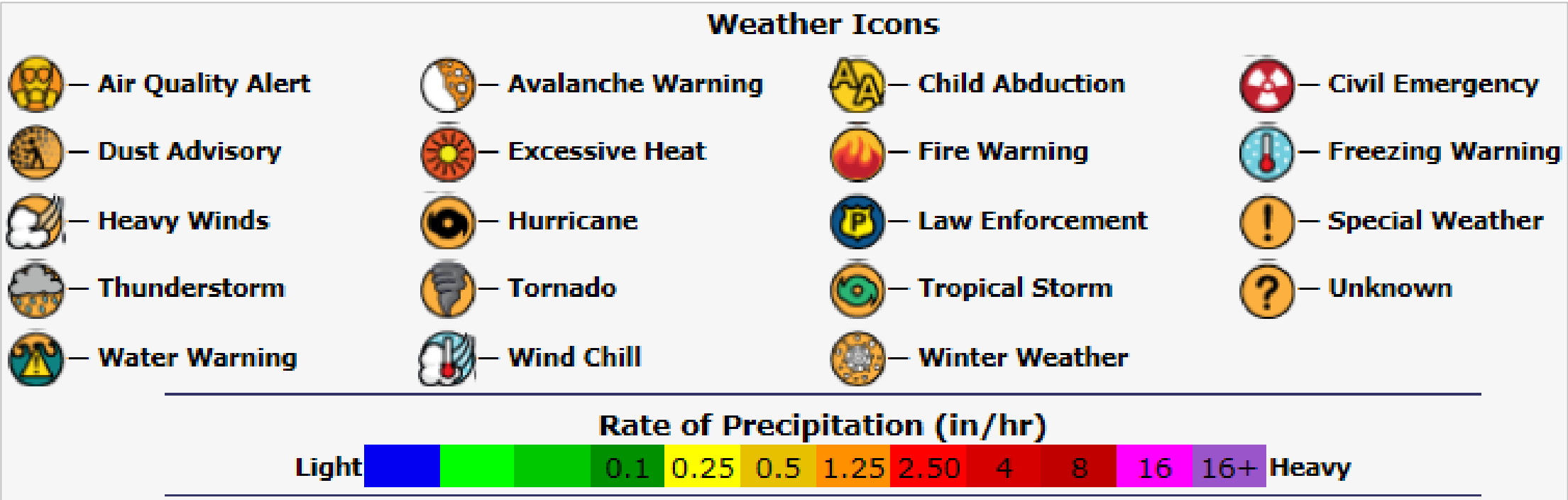




# Extreme Weather

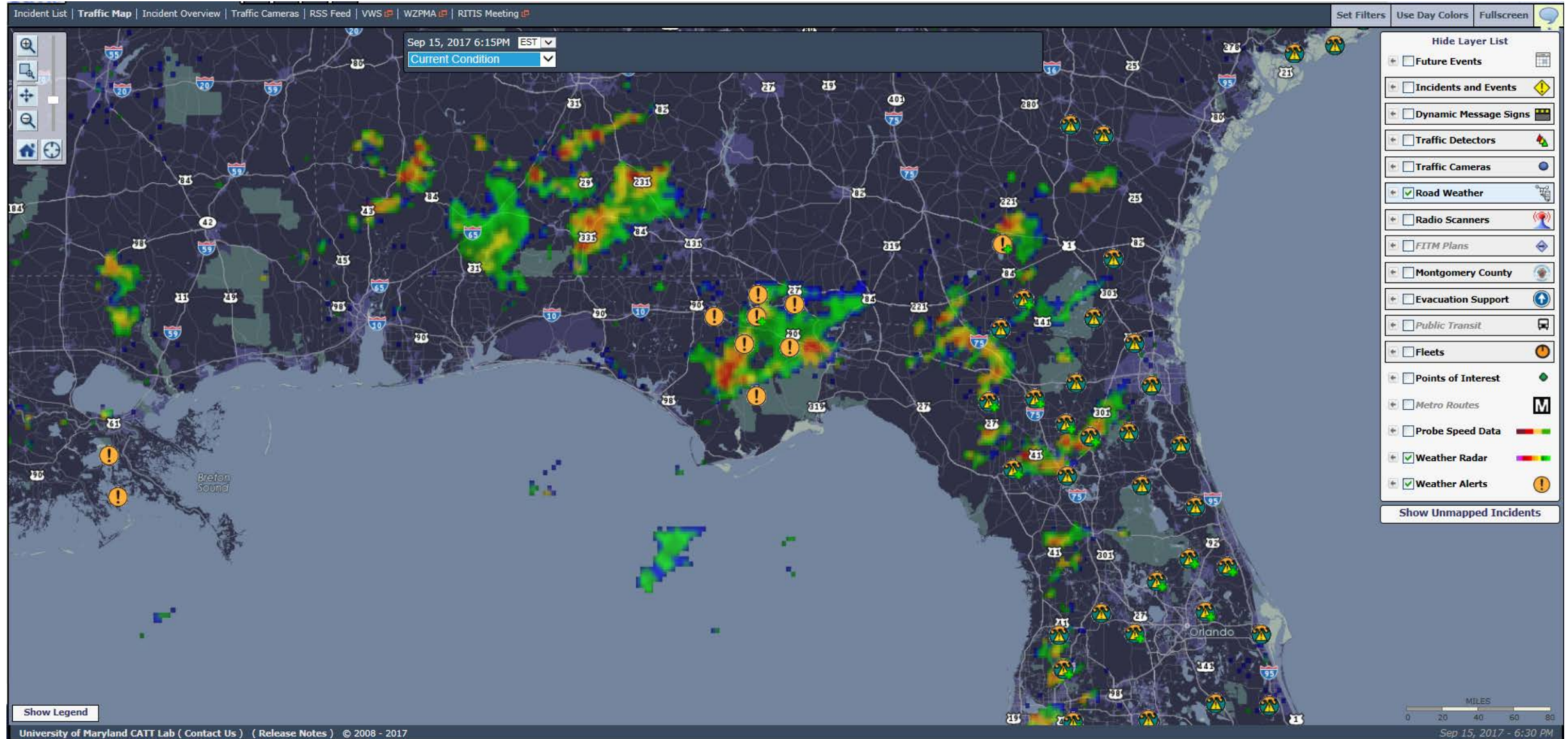


# Extreme Weather (know your icons)



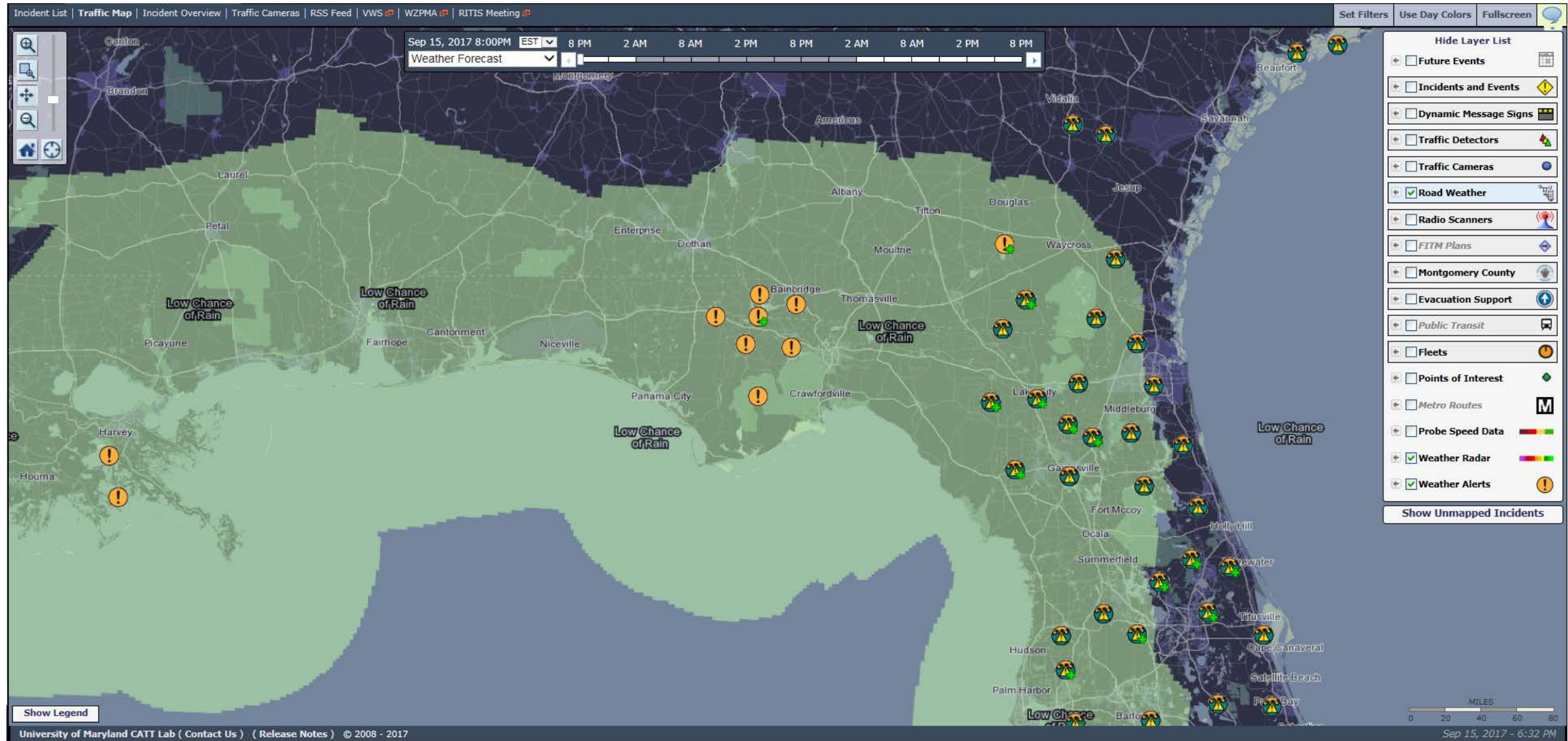


# Extreme Weather (RITIS current conditions)



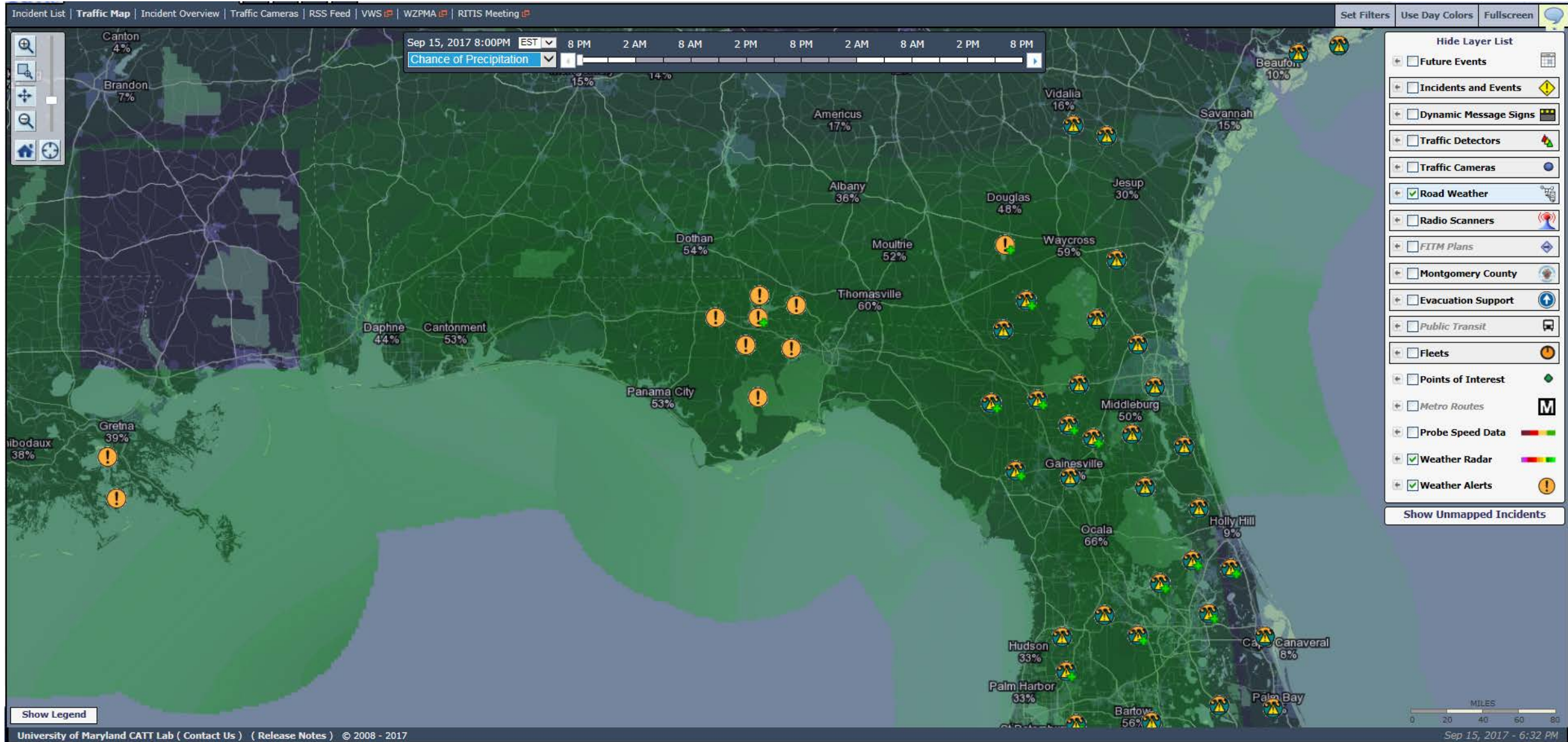


# Extreme Weather (RITIS weather forecast – 48 hr. forecast)



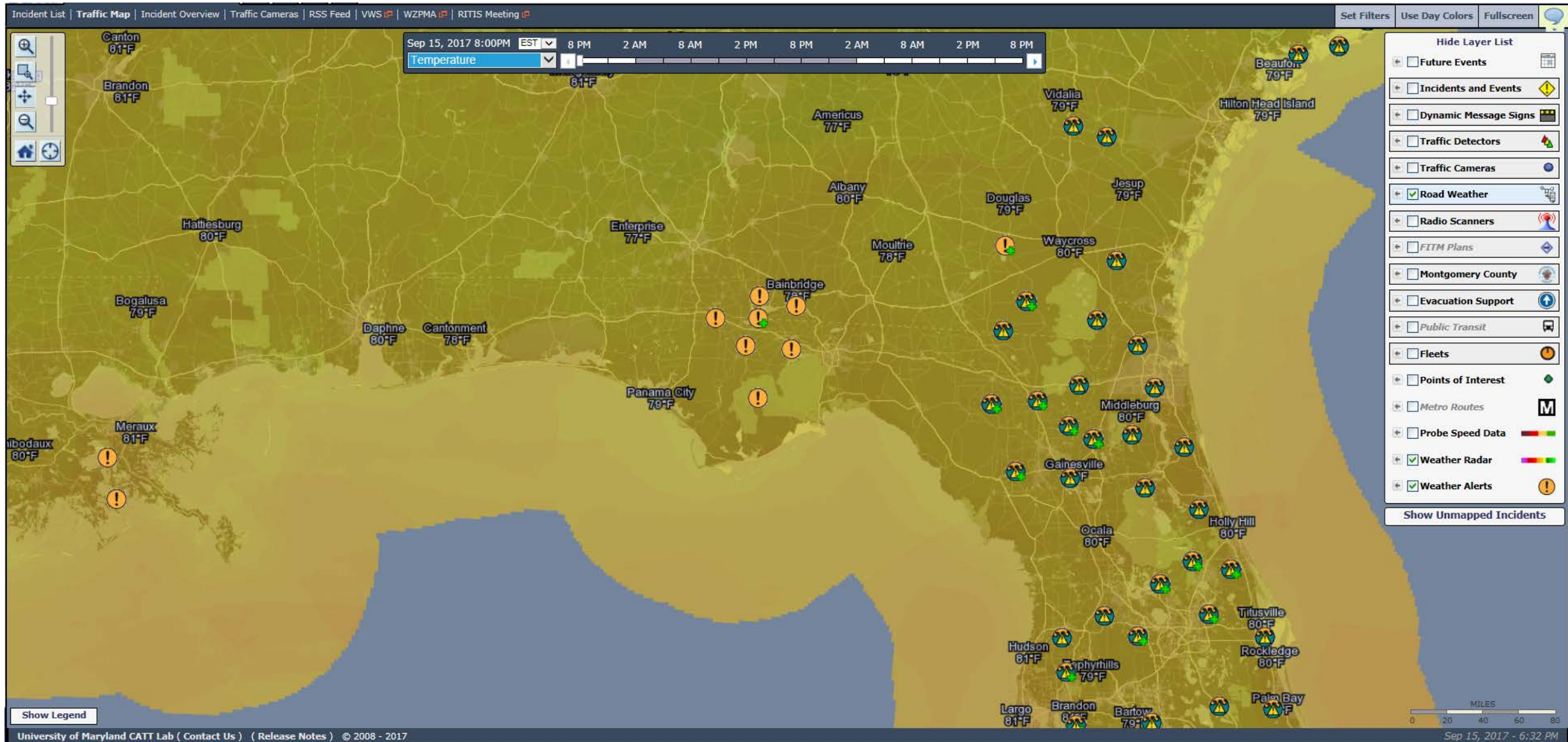


# Extreme Weather (RITIS chance of precipitation – 48 hr. forecast)



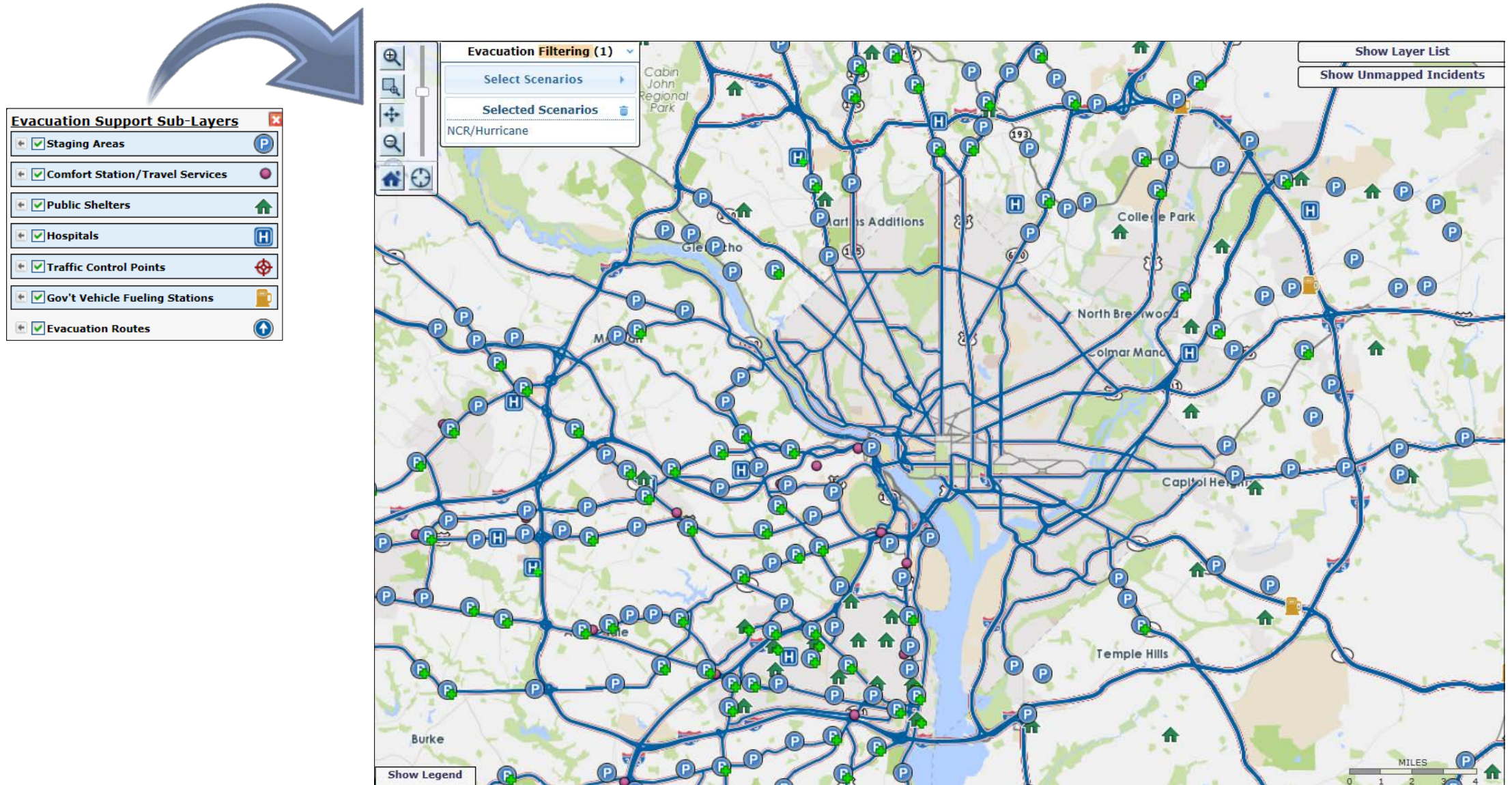


# Extreme Weather (RITIS temperature – 48 hr. forecast)





# Use RITIS Evacuation Support (for better coordination and management )





# Use RITIS Evacuation Support (for better coordination and management )

Traffic Control Point at US 11/Winchester Ave @ CR 32 & Novak Dr

US 11/Winchester Ave @ CR 32 & Novak Dr

1-267 Novak Dr

WV 25405

Berkeley County

NCR/Hurricane

Traffic Control Point at US 11/Winchester Ave @ CR 32 & Novak Dr

Source: maps.bing.com

Resource Requirements

One watch duty position

Responsible Agency:

Priority 2

1. Adjust signal timing to accommodate evacuation traffic direction.

2. Provide watch duty personnel needed to monitor and manage traffic at this location.

KEY

Personnel

Road Block

Cones / Barrels

Traffic signal

Evac Traffic

Traffic Lane

Deploy indicated traffic control devices as resources permit

FINAL DRAFT

FOR OFFICIAL USE ONLY

NO PUBLIC RELEASE

Berkeley County

NCR/Hurricane Scenario

TCP 02-T04

US 11/ Winchester Ave @ CR 32 & Novak Dr

Staging Area at Langley Park Shopping Center

4 of 6

PREV BACK TO LIST NEXT

Langley Park Shopping Center

7901 New Hampshire Ave

Langley Park Cdp, MD

Prince George's County

Function: Shopping Center Parking

Surface Type: Paved

Avail. Space: 396

Lot Size: Medium

Truck Access: No

Area Information

PG-S84: MD 193 (University Blvd) WB

Access Point 1

Access Point 3

PG-S84

I-95 Corridor Coalition • RITIS User Group • The Center for Advanced Transportation Technology Laboratory

Sept. 21, 2017

44



# Use RITIS Meeting ( and its weather-related functions)

**Extreme W... Checklist Map Show Document Clear All Share Cursor Position**

05/25/2016 10:00 AM  
Call Number: (712) 775-7031  
Call Code: 780245114#  
Location: Maryland  
Description: This is a training session to provide agencies with an overview of RITIS Meeting for use in extreme weather events.

**Timeline**  
National Weather Service  
<http://www.weather.gov/>

**Weather Alert for Perry County, MD**  
Flash Flood Warning issued May 02 at 3:18PM EDT until May 02 at 7:15PM EDT by NWS Jackson  
[Display Less](#)  
...THE FLASH FLOOD WARNING REMAINS IN EFFECT UNTIL 715 PM EDT FOR NORTHEASTERN CLAY...NORTHWESTERN KNOTT...MARTIN...JOHNSON...NORTHWESTERN PERRY...NORTHWESTERN PIKE...OWSLEY...MAGOFFIN... BREATHITT AND NORTHERN FLOYD COUNTIES... AT 311 PM EDT...DOPPLER RADAR INDICATED THUNDERSTORMS PRODUCING VERY HEAVY RAIN CONTINUING TO MOVE ACROSS THE WARNED AREA. DOPPLER RADAR HAS INDICATED THAT PORTIONS OF THE WARNED AREA HAVE RECEIVED BETWEEN 1 AND 2 INCHES OF RAIN BETWEEN 2 AND 3 PM. UP TO AN ADDITIONAL INCH OF RAIN IS EXPECTED TO FALL ACROSS THE AREA

**Hide Layer List**  
☐ Incidents and Events  
☐ Dynamic Message Signs  
☒ Road Weather  
☒ Weather Alerts  
☒ Weather Radar  
☐ Probe Speed Data  
Evacuation Support

**Evacuation Support available in RITIS Meeting.**

**Timelines for posting Situation reports, applicable web sites, etc.**

**Use polling for real-time decision-making.**

**Poll Results**  
Evacuation Timeline  
If the storm stays on track, when should we initiate the Eacuation Plan?  
5:00 PM (0)  
5:30 PM (1)  
6:00 PM (1)  
6:30 PM (0)  
New Poll  
Attendance(2) Questions  
Host: John Allen  
Presenter: John Allen  
Participants (1): CATT Lab(1)  
John Allen (Participant)

**Weather station for I-95 Exit 170 Ramp I-495 W (Site B)**  
Jun 19, 2015 11:10 AM  
Temperature: Air 69°F, Surface 63°F  
Wind: 8.9 MPH  
Visibility: 1.24mi  
Precipitation: Accumulated Depth

**National Hurricane Center**  
<http://www.nhc.noaa.gov/>

**Tropical Storm Ana**  
AL012015\_Ana.pdf [1]

Add Another Entry

# RITIS Roadmap

Calendar Year 2017

Q1 2017	Q2 2017	Q3 2017	Q4 2017
<ul style="list-style-type: none"> <li>✓ Separate Planned Events Layer</li> <li>✓ WAZE Data Integration</li> <li>✓ Flash migration for Probe Data Analytics</li> <li>✓ Evacuation Documents Upgrade</li> <li>✓ Basemap updates</li> <li>✓ New CCTV Feed Integration</li> <li>✓ Additional Agency-funded Customization/New Features*</li> <li>✓ Additional Agency-funded new data sources†</li> </ul>	<ul style="list-style-type: none"> <li>✓ WAZE Data aggregation and speed improvements</li> <li>✓ National Transit Data Integration through GTFS Feeds (real-time and schedules)</li> <li>✓ Flash Migration for Timeline</li> <li>✓ Basemap Updates                             <ul style="list-style-type: none"> <li>• Dashcam CCTV integration for MDSHA</li> </ul> </li> <li>✓ Additional Agency-funded Customization/New Features*</li> <li>✓ Additional Agency-funded new data sources†</li> </ul>	<ul style="list-style-type: none"> <li>✓ Tiling infrastructure modernization</li> <li>✓ Evacuation Documents Upgrade</li> <li>✓ Basemap updates</li> <li>✓ CCTV Enhancements                             <ul style="list-style-type: none"> <li>• Weather Radar Mapped to TMCs</li> </ul> </li> <li>✓ WAZE Analytics</li> <li>✓ Additional Agency-funded Customization/New Features*                             <ul style="list-style-type: none"> <li>• Additional Agency-funded new data sources†</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Basemap updates</li> <li>• Police/Fire/Rescue Radio Audio on Timelines</li> <li>• Evacuation Documents Refresh</li> <li>• RITIS Input early designs</li> <li>• TBD</li> <li>• Additional Agency-funded* Customization/New Features TBD</li> <li>• Additional Agency-funded new data sources TBD†</li> </ul>

**NOTE:** Final list of priorities to be defined and prioritized with guidance from the RITIS User Group which will consist of members from each state in operations, planning, and research.

\* - each state has the option of customizing features and/or building new functionality if state funding is available.

† - each state has the option of adding new data sources as requested if state funding is available.

✓ - complete

✓ - in progress

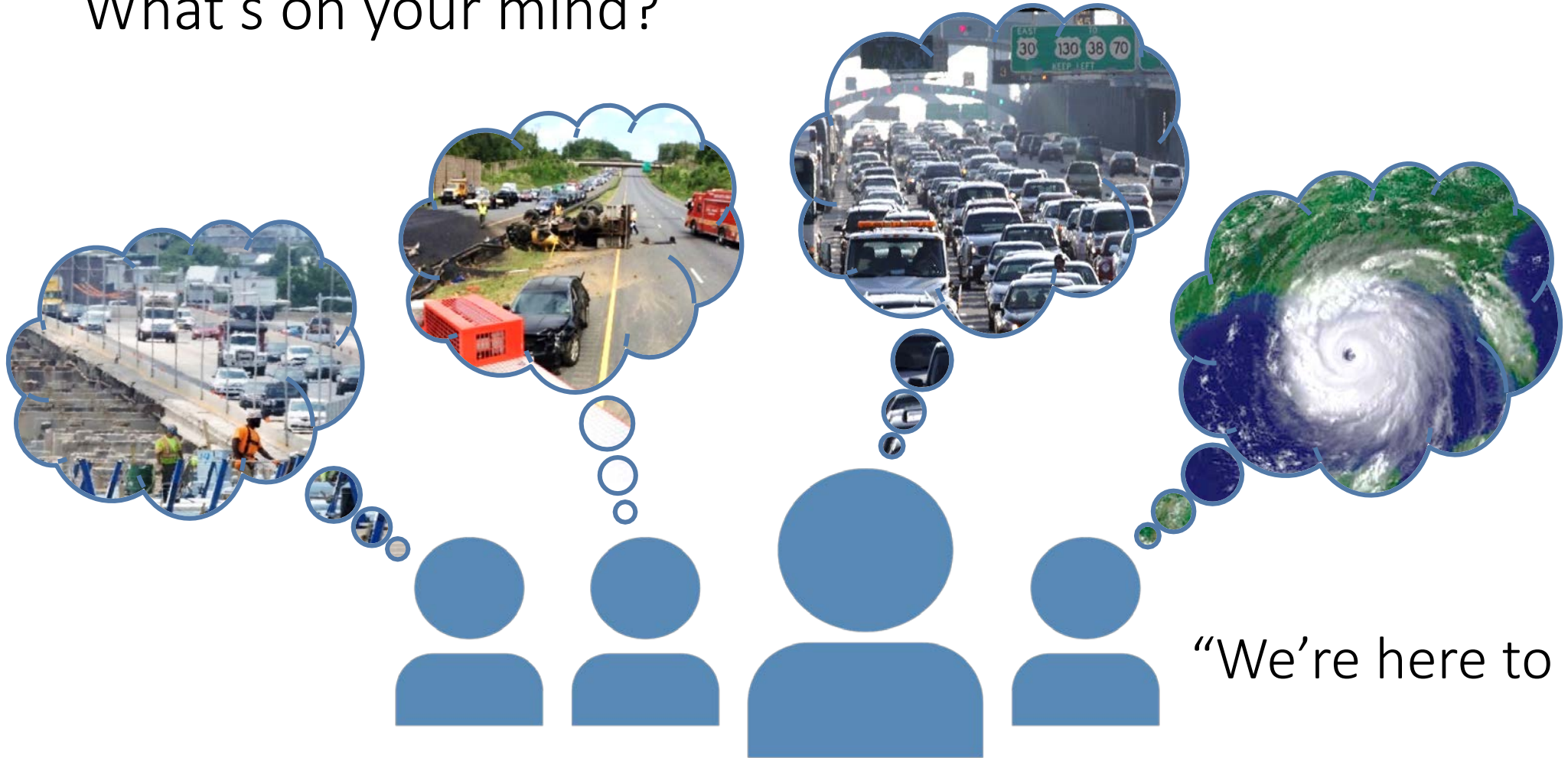






# Agency input session

“What’s on your mind?”

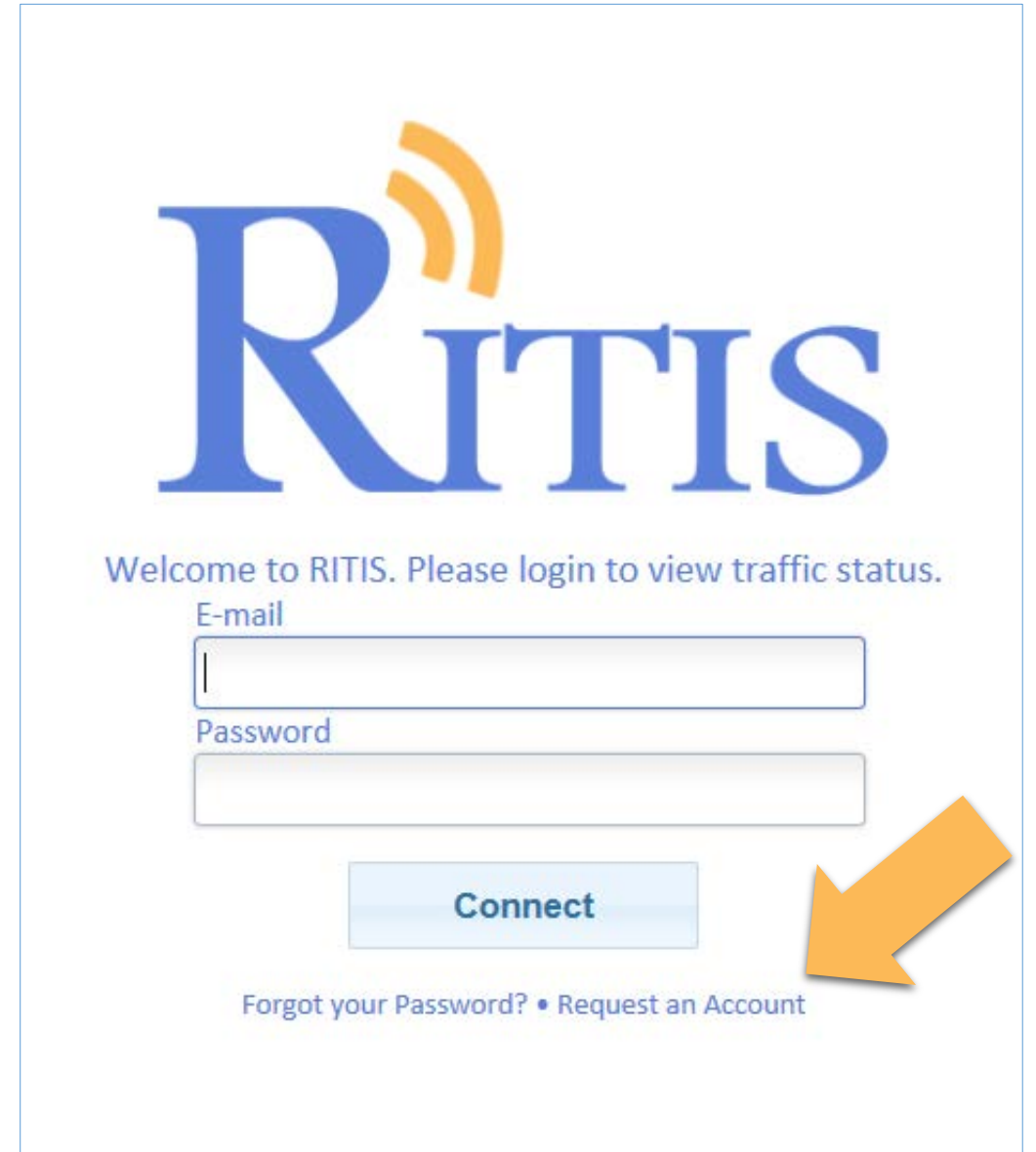


“We’re here to help!”



# How to get access

- 1 [www.ritis.org](http://www.ritis.org)
- 2 Click “Request an Account”
- 3 You’re on your way...



The screenshot shows the RITIS website's login interface. At the top is the RITIS logo, which consists of a large blue 'R' with three orange curved lines above it, followed by the word 'ITIS' in blue. Below the logo is the text 'Welcome to RITIS. Please login to view traffic status.' in blue. There are two input fields: 'E-mail' and 'Password', both with light blue borders. Below these fields is a light blue button with the text 'Connect' in bold. At the bottom, there is a link that says 'Forgot your Password? • Request an Account' in blue. A large orange arrow points from the bottom right towards the 'Request an Account' link.

# Member involvement

The **key** to success of the RITIS User Group is **your** involvement:

- › Share common or unique use of the tools in your work
- › Present after-action reviews, lessons learned
- › Demonstrate accomplishments, big or small
- › Contribute ideas, suggestions, feedback
- › Help prioritize and guide RITIS feature enhancements

# Free RITIS training

- **MATOC Staff** offer free monthly webinars to transportation, public safety, and emergency management agencies interested in incorporating the RITIS platform into their operations.



## Remaining 2017 Webinar Schedule

### RITIS 101 Learn the Basics

- September 22<sup>nd</sup>
- November 17<sup>th</sup>

### RITIS Refresher / Advanced Features

- October 27<sup>th</sup>
- December 15<sup>th</sup>

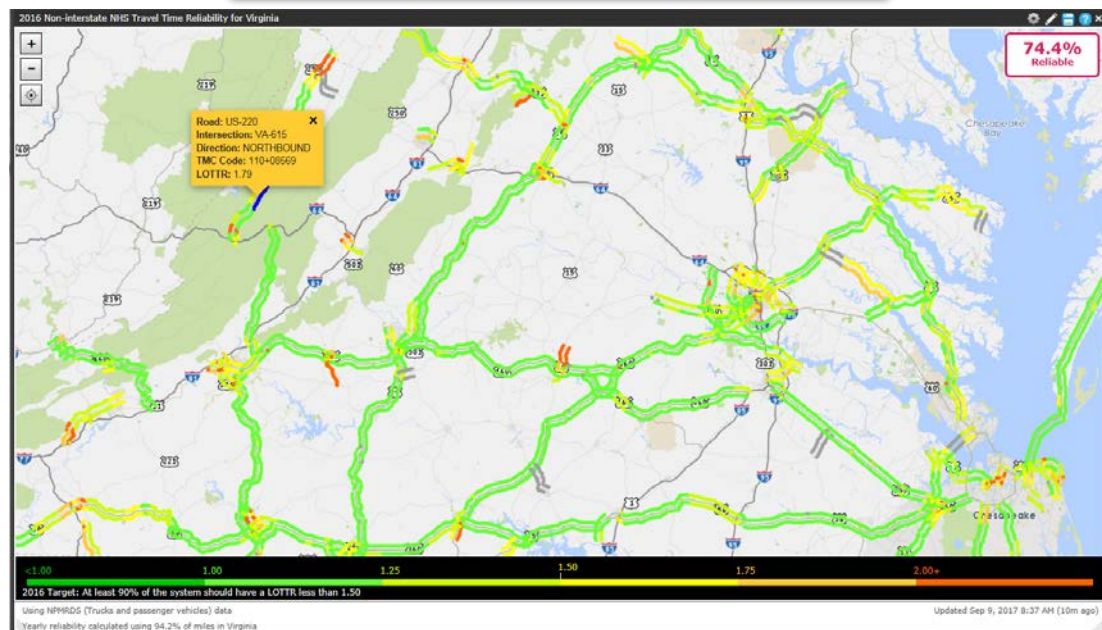
If you are interested in attending a webinar or would like additional information about these sessions please email:

[training@matoc.org](mailto:training@matoc.org)

# Free video tutorials

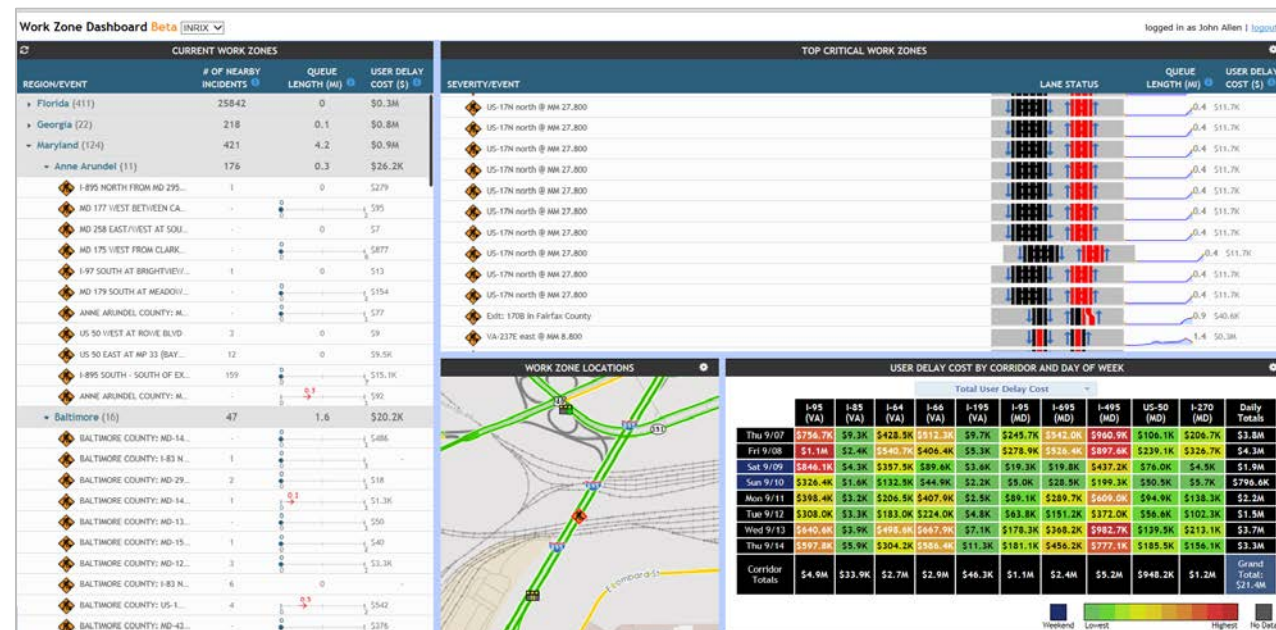
› Not sure how to use the tools? Come watch a video!

## NPMRDS & MAP-21 Analytics



<https://vimeo.com/208589756>

## Work Zone Performance Monitoring



<https://vimeo.com/207291891>

More are available; new videos added regularly here: <https://vimeo.com/user55759816/videos>



# Contact info

## **I-95 Corridor Coalition TSMO**

> Denise Markow | 301.789.9088 | [dmarkow@i95coalition.org](mailto:dmarkow@i95coalition.org)

## **RITIS technical support**

> [support@ritis.org](mailto:support@ritis.org)

# Thanks!

These slides will be made available after the call

## Next meeting

January 18 2018 ◦ 10:30 AM – 12:00 PM

