



# I-95 Corridor Coalition

## Beyond Boundaries

## RITIS-PDA Suite User Group Follow-Up

### March 2019

### Recent User Group Meeting:

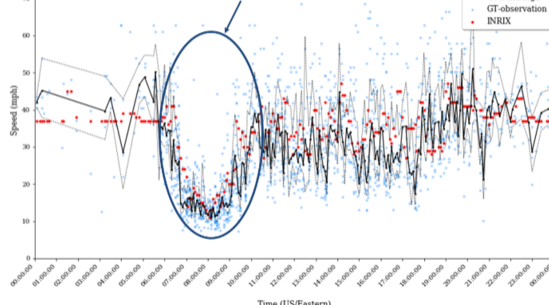
Thanks to those who participated in the RITIS-PDA Suite User Group meeting that was held on February 14, 2019. Please visit the [RITIS](#) or [PDA](#) page on the [I-95 Corridor Coalition](#) website or click on the links below for more information about the meeting.

- [Presentation with Audio](#)
- [Slides only](#)
- [Q&A Summary](#)

### Spotlight Presentation - Probe Validation Findings from 2018

**Zach Vander Laan, UMD CATT**, explained the purpose and process of validating the Vehicle Probe Project (VPP) data. This data provides reliable travel time and speed data for roadways in participating states (without needing sensors) and it is the basis for travel time data in the PDA Suite.

Zach reviewed the recent and upcoming validation efforts and stated that there has been consistent, strong performance from all three vendors (HERE, INRIX, TomTom). An updated Arterial Validation report will be prepared in 2019 and will include results from all three vendors. All validation reports are available on the Coalition's website at <https://i95coalition.org/projects/vehicle-probe-project/> under the Data Validation tab.



Ground truth and vendor observations on a sample segment.

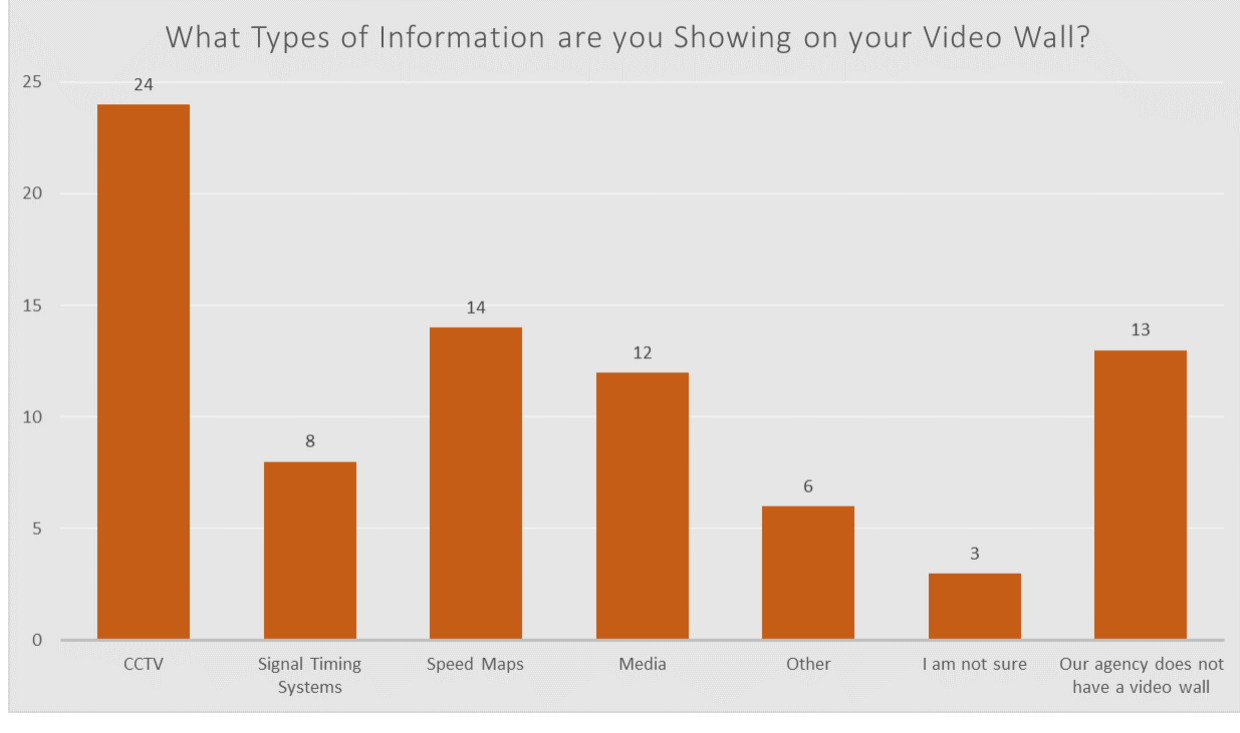
### Spotlight Presentation - Dynamic Video Wall and RITIS for Improved Operational Awareness

**Daniel Smith, Florida DOT**, described how Florida DOT District 4 (southeast Florida) uses the RITIS visualizations on the video walls in their Traffic Management Center (TMC) to provide their TMC Operators with a higher-level view of congestion and incidents. Their operators are trained to understand the visualizations and to make decisions based on this information. Visualizations shown on the main wall include: Dashboards with the number and type of incidents (calendar year-to-date), Incident Clearance Time by county, 595 Express (toll) info, Fiber Network info, RITIS map, and camera feeds of interest. Real time speed profiles are shown for their major interstates along their side walls. Florida DOT's video wall, installed in 2016, uses Barco software and enables the change of the layout instantaneously, as needed. FDOT is able to broadcast anything on the video wall to first responders so they have the appropriate information.

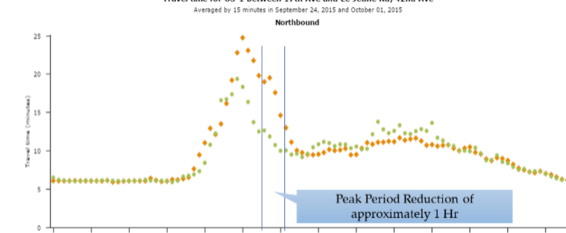


### Polling Question Results:

#### What Types of Information are you showing on your Video Wall?



44 participants responded to the poll.  
Note that respondents were permitted to select more than one answer.



Travel Time Reduction shown in PDA Suite Performance Charts

### Spotlight Presentation – Using RITIS in Implementation of Arterial Performance Measures in Florida DOT, District 6

**Elio Espino, Florida DOT** (A&P Consulting Transportation Engineers), explained that FDOT began using RITIS in 2015. Initial uses included: signal retiming, monitoring corridors for Travel Time Reliability, before/after comparisons, and maintenance of traffic support/detour evaluations. He discussed how RITIS has been used in Florida to assess signal retiming projects through the performance charts and the congestion scan

tools. For example, by using the performance charts tool, they were better able to visualize how the time ranges on current timing plans may not align with the actual traffic and they could make adjustments and reduce congestion. RITIS is also used to evaluate the impacts of work zones including on detour routes. Moving forward, FDOT is looking to continue performance measurements along arterials using RITIS.

### Working Group Updates

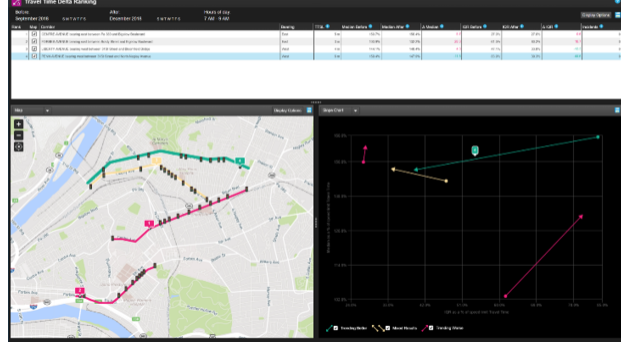
**Michael Pack & Mark Franz, UMD CATT Lab**, reviewed the working group meetings currently scheduled and noted that new groups will be starting soon:

- O-D/Trajectory Analytics – February 13, 2019
- Signal Performance Measures – February 26, 2019
- Enhanced Work Zone Analytics – February 28, 2019
- Transit Analytics Working Group - TBD
- TDADS (Transportation Disruption and Disaster Statistics) Steering Committee - TBD

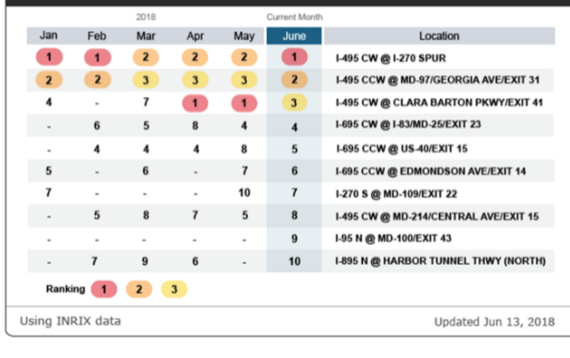
Agency members interested in joining any of these groups and providing input on desired new features and functionality are asked to contact Michael Pack ([packml@umd.edu](mailto:packml@umd.edu)) or Denise Markow ([dmarkow@i95coalition.org](mailto:dmarkow@i95coalition.org)). A big commitment will not be required.

### What's New!

Michael Pack, UMD CATT Lab, described the recent RITIS-Probe Data Analytics Suite deployments and enhancements. [Click here](#) to find out more about what's new in the RITIS-PDA Suite.

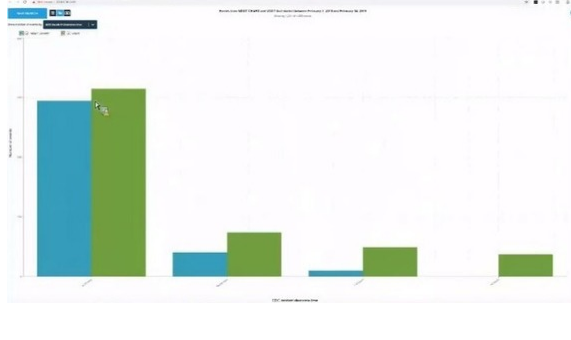
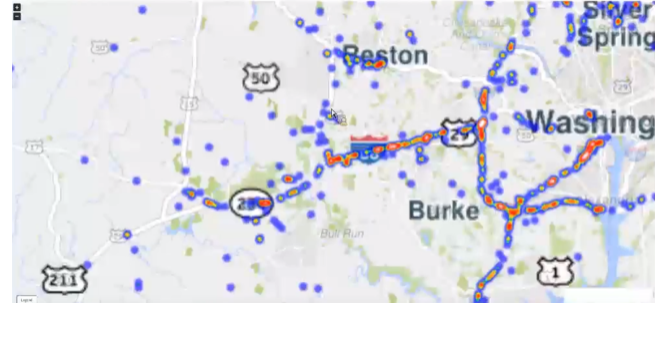


XD Delta Ranking Tool



New Dashboard Widgets

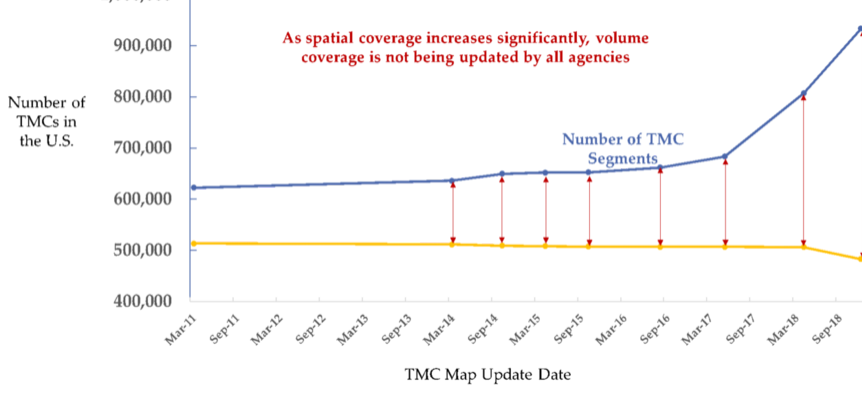
Michael provided a demo on the Every Day Counts – Event Query Tool which is currently available in RITIS.



### Important Volume Data Update

If your agency has not provided updated volume data to the CATT Lab, the volume data currently in RITIS-PDA Suite (for User Delay Cost calcs) may be from the original volume donation made by INRIX in 2011. What should you do? Your agency has several options...

- Provide the provide the CATT Lab with volume data (preferably annually). The format is shown here - <https://pda.ritis.org/suite/help/#udc-analysis/preferred-volume-format> (if interested, contact Michael Pack - [packml@umd.edu](mailto:packml@umd.edu))
- Request the CATT Lab replace old volume data with the data from the NPMRDS/HPMS conflation exercise (will only improve the NHS) (if interested, contact Michael Pack - [packml@umd.edu](mailto:packml@umd.edu)).
- Work with your probe data provider to obtain new volumes (this will have a separate cost)
- Get involved with the I-95 Corridor Coalition's volume estimation project. They are working with researchers to produce higher quality volumes estimates. (This would require funding and coordination) (if interested, contact Denise Markow - [dmarkow@i95coalition.org](mailto:dmarkow@i95coalition.org))



As spatial coverage increases significantly, volume coverage is not being updated by all agencies.

### SAVE THE DATE for the Next User Group Meeting

April 25, 2019 – 10:30am – 12:00pm EDT

[Click Here to Register!](#)

Topics to be discussed include:

- GDOT's creation of travel advisory outlook calendars
- RITIS Applications for Measuring Performance in Downtown Washington DC
- Using RITIS Applications to Calibrate Existing Conditions for the Maryland DOT - SHA US 50 Modeling Study
- Update on the Working Groups
- RITIS & PDA Suite Updates
- Agency Input Session

### Check the Coalition out on YouTube!

The I-95 Corridor Coalition has a YouTube channel. [Recording from many of the Coalition's webinars](#) are available here – take a look!

### Questions or Concerns:

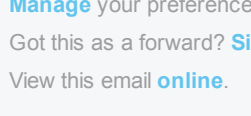
**General Coalition or User Group Questions:** Denise Markow at 301-789-9088 or [dmarkow@i95coalition.org](mailto:dmarkow@i95coalition.org).

**PDA Technical Support:** UMD CATT Lab at [vpp-support@ritis.org](mailto:vpp-support@ritis.org)

**RITIS Technical Support:** [support@ritis.org](mailto:support@ritis.org)

**Logistics:** Joanna Reagle at 610-228-0760 or [jreagle@kmjinc.com](mailto:jreagle@kmjinc.com)

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