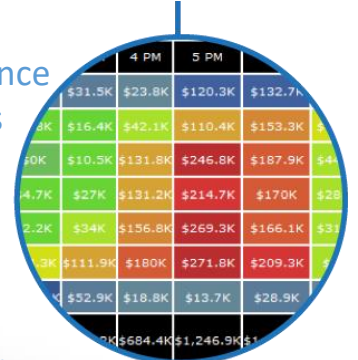


MAP-21 & the NPRM for System Performance Measures

Now what do we do?

Performance Measures



Planning



Operations



Communications



Enabling Decision Making & Effective Communication

1

+ Add widget

- System Travel Time Reliability
- System Peak Hour Travel Time
- Truck Travel Time Reliability
- Average Truck Speed
- Annual Hours of Excessive Delay per Capita

Creating MAP-21 Dashboard – State

MAP-21

MAP-21 Advanced

1. Select geography:

☒ State Tennessee

☐ UZAs Select an urbanized area...

2. Select year:

2015

3. Select measures:

☐ Interstate System Travel Time Reliability

☒ Non-interstate NHS Travel Time Reliability

☒ Set target to at least 90 %

☒ Truck Travel Time Reliability

☒ Set target to at least 90 %

☐ Average Truck Speed

[Provide and use your own volume data here.](#)

4. Show data as:

☒ Graph

☒ Map

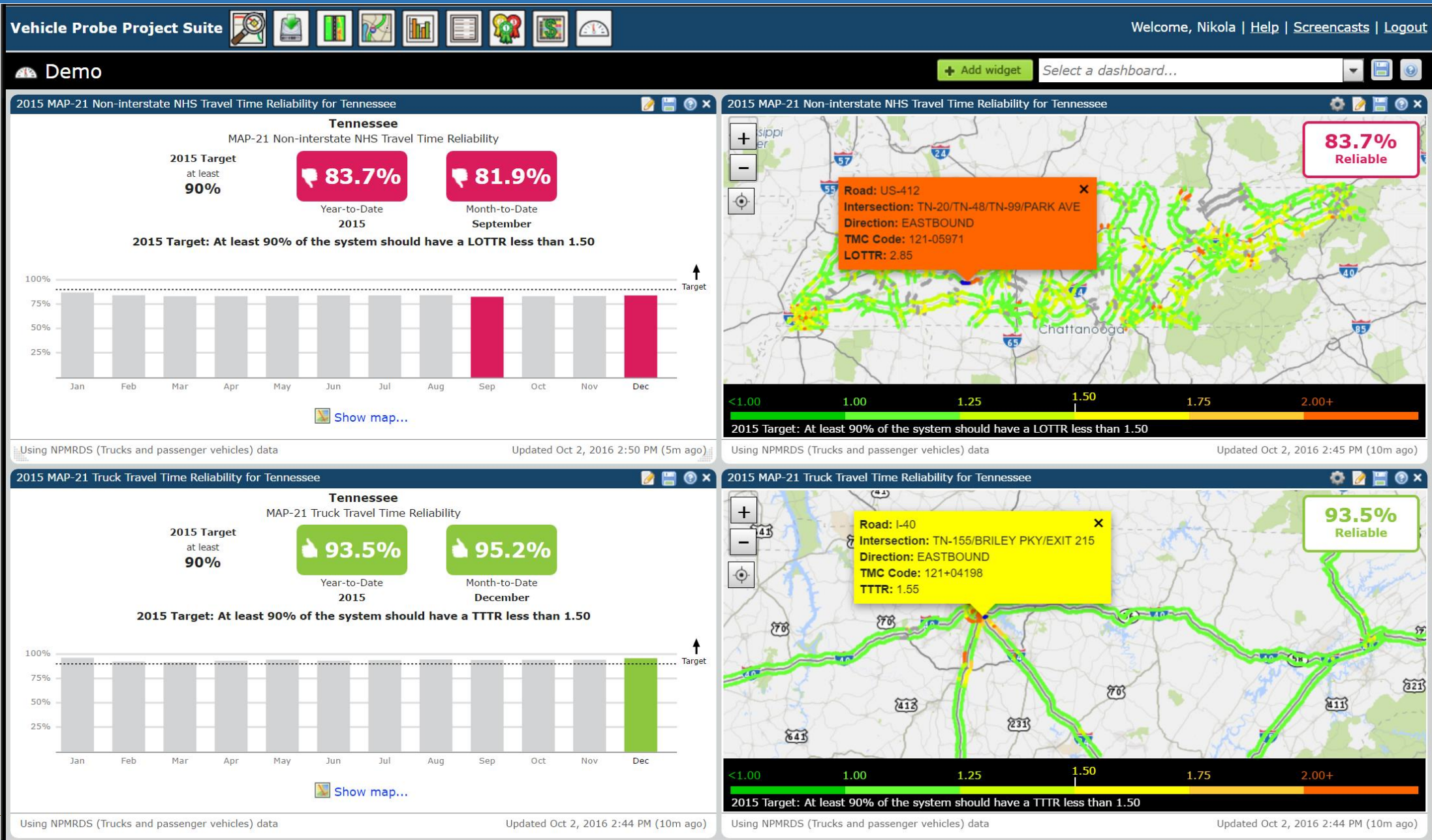
5. Name MAP-21 widget(s):

2015 MAP-21 Non-interstate NHS Travel Time Reliability for Tennessee

2015 MAP-21 Truck Travel Time Reliability for Tennessee

+ Add 4 widgets

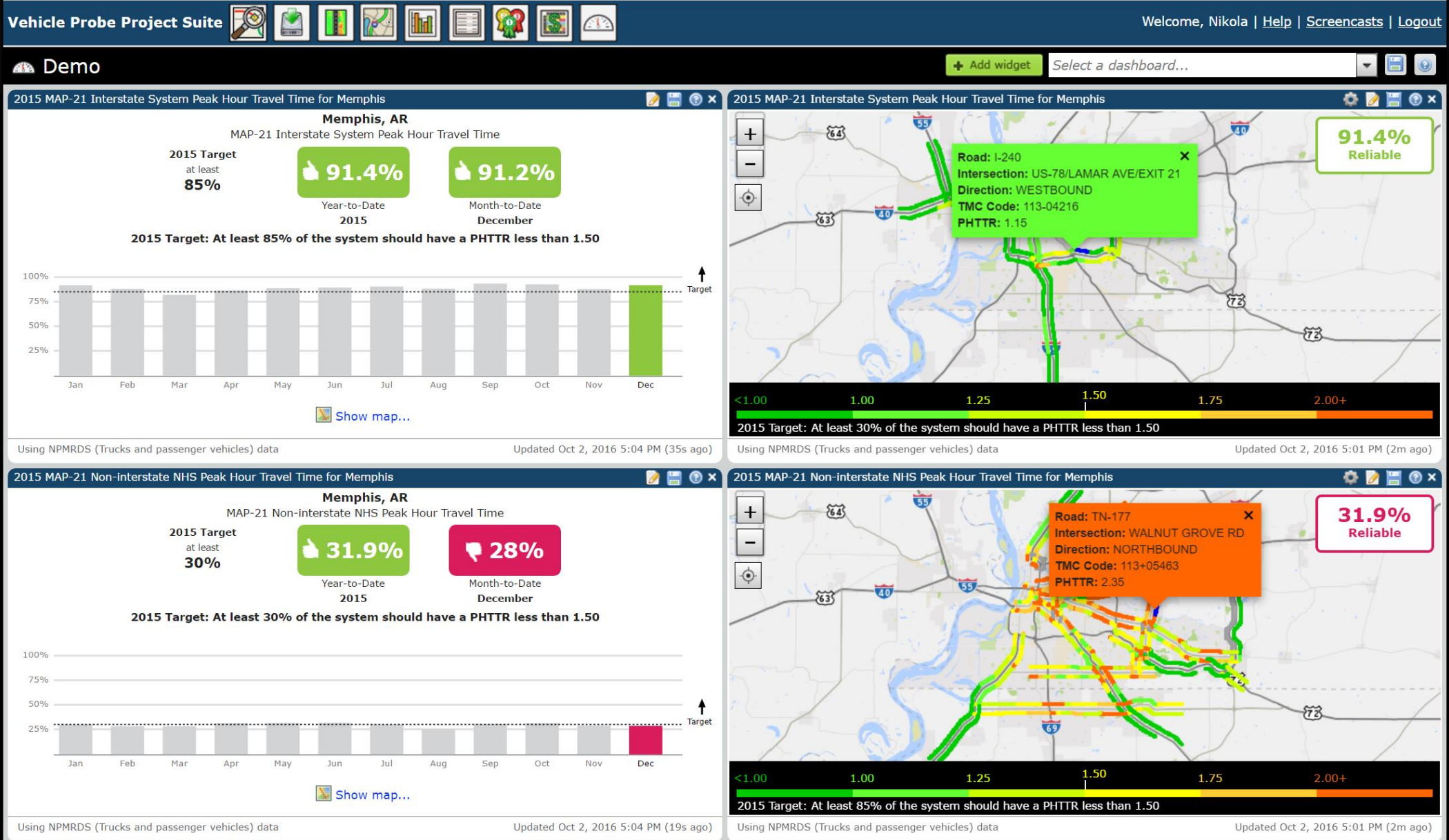
MAP-21 State Performance



4



MAP-21 Urbanized Area Performance



Other Capabilities

Vehicle Probe Project Suite

Welcome, Nikola | [Help](#) | [Screencasts](#) | [Logout](#)

Region Explorer
Explore the relationships between bottlenecks and traffic events in real-time and in the past.
[Tutorial](#) | [FAQ](#)

Massive Data Downloader
Download raw probe data from our archive for offline analysis.
[Tutorial](#) | [FAQ](#)

Congestion Scan
Analyze the rise and fall of congested conditions on a stretch of road.
[Tutorial](#) | [FAQ](#)

Trend Map
Create animated maps of roadway conditions.
[Tutorial](#) | [FAQ](#)

Performance Charts
Chart performance metrics over time.
[Tutorial](#) | [FAQ](#)

Performance Summaries
Report on Buffer Time Index, Planning Time Index, and other performance metrics.
[Tutorial](#) | [FAQ](#)

Bottleneck Ranking
Rank bottlenecks and discover which ones have the greatest impact.
[Tutorial](#) | [FAQ](#)

User Delay Cost Analysis
Put a dollar amount on how much a road's performance impacts its users.
[Tutorial](#) | [FAQ](#) | [My reports](#)

Dashboard
Create your own personal dashboards to monitor corridor performance in regions of interest.
[Tutorial](#) | [FAQ](#)

Tutorials
Learn how to use each of the tools in the suite.

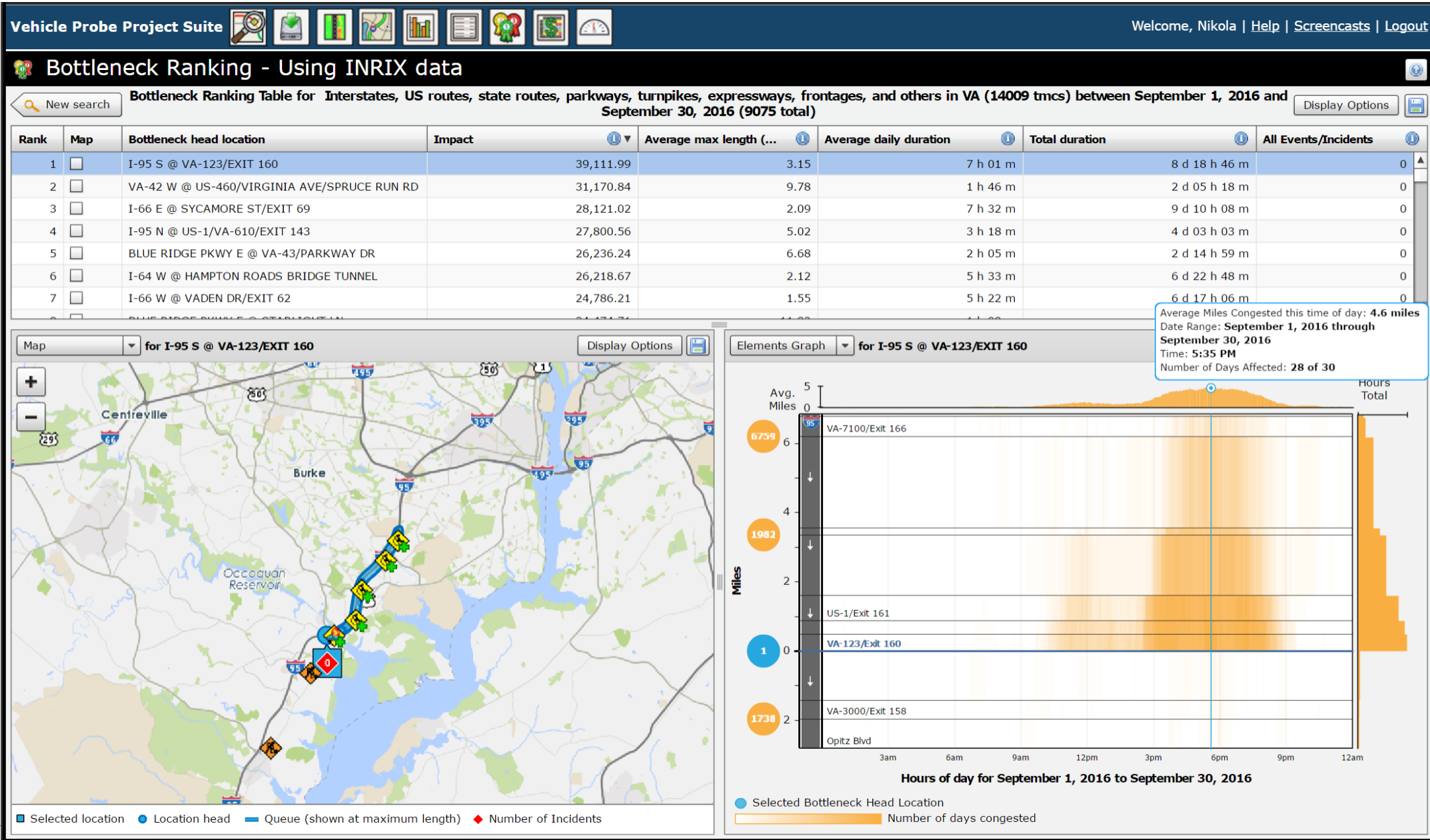
What's New
8/31/16

MAP-21
Create a dashboard widget to monitor states', MPOs', and Urbanized Areas' performances against the new MAP-21 ruling.
[FAQ](#)

Sponsored by

Need to reach out to us? [Feedback](#) | [Support](#)

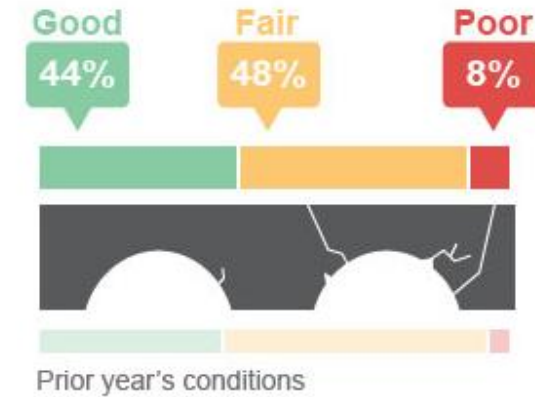
Other Capabilities Using NPMRDS



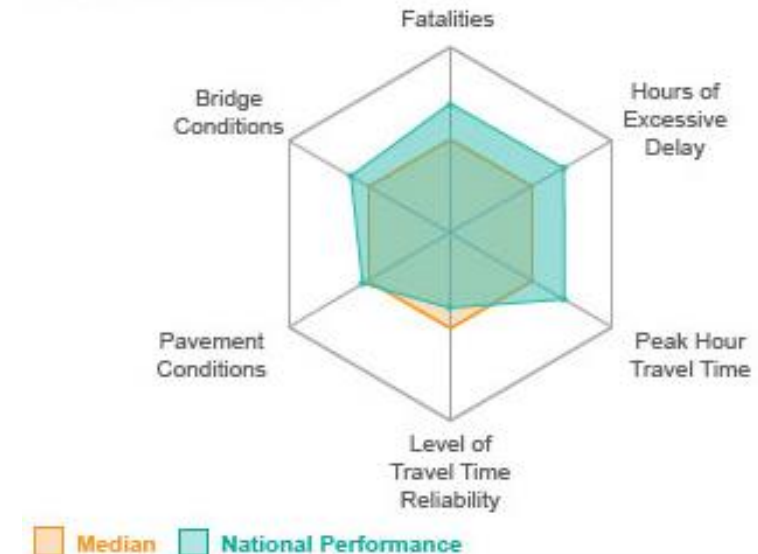
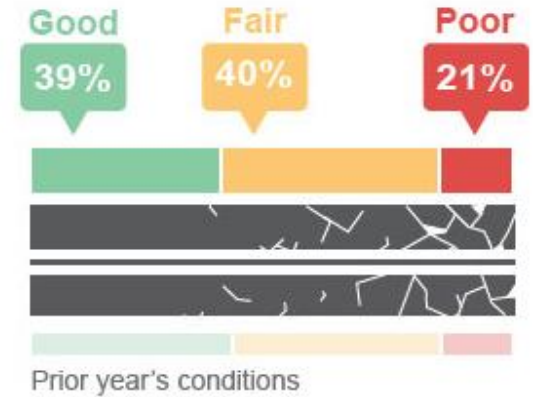
Future Enhancements

- Other MAP-21 measures:
 - Safety
 - Bridge and Pavement Performance
- Integration with other big data sets.
- Integration of O/D data.
- Implementation of the final rule.

Bridge Conditions:



Pavement Conditions:



Worked with AASHTO, I-95 Corridor Coalition, and others to evaluate MAP-21 measures and test hypothesis/alternatives

Helping State DOTs and MPOs:

- Exploring the NPMRDS
- Working with other data sources
- Providing guidance and feedback
- A forum for discussion
- A place to ask question

Are you ready for MAP-21?

The MAP-21 legislation requires DOTs and MPOs to set targets for performance and report these performance measures to FHWA. The CATT Lab is the premier traffic data analytics lab in the country, we've been working with the data required for MAP-21 performance for years, and we want to help you with MAP-21.

We are offering a service to assist agencies in setting appropriate targets and for preparing all of the reporting materials required for submission to FHWA.

Interested in some help with MAP-21? Let us know who you are, and we'll be in touch.

Sit back and relax. We've got this.

Name Email address Agency

MAP-21 Resources

This page includes a number of resources to:

- Discuss the rule, ask questions, request support, and collaborate in our [open forum](#)
- Help you [understand](#) the proposed rule
- Use [free tools](#) to see how your State, MPO, and/or Urban Area are performing
- Use [free tools to experiment](#) with variations to the proposed rule such as:
 - Imputation methods other than using speed limits
 - Arithmetic mean vs. harmonic mean
 - NPMRDS vs. other 3rd Party Data Sources (HERE, INRIX, and TomTom)
 - Experiment with target setting
 - Send us your own suggestion
- [Provide us](#) your volume and/or speed limit data for use in our free tools
- Learn to [compute the measures yourself](#) using sample data sets
- Link to [FHWA webinars and other resources](#)
- Learn [about us](#)

Our goal is to enable MPOs and DOTs to evaluate the proposed measures, assess their impact, experiment with alternatives, and respond to the docket. Comments on the latest Systems Performance NPRM are currently due by **August 20**.

Deadline
The NPRM comment period ends **August 20, 2016**

Getting Access

If you have an existing RITIS account, you can access the tool at:
vpp.ritis.org

If you do not have a RITIS account, you can request one at:
ritis.org/register


For more information visit:
www.cattlab.umd.edu/MAP-21



Welcome to RITIS! This website is for public safety and transportation agency use only. Enter your contact information below to receive access.

New User Registration

* Indicates required field.

1 Business E-Mail*	2 Password*
<input type="text"/>	<input type="password"/>
Confirm E-Mail*	Minimum of 8 characters and at least one number
<input type="text"/>	Confirm Password*
<input type="text"/>	<input type="password"/>
Title	Password Strength: <div></div>
<input type="text"/>	
First Name* MI Last Name*	<input type="checkbox"/> I'm not a robot
<input type="text"/> <input type="text"/> <input type="text"/>	
Agency/Office Address*	reCAPTCHA Privacy - Terms
<input type="text"/>	
City* State* Zip Code	Submit
<input type="text"/> Choose a State <input type="text"/>	
Office Phone*	
<input type="text"/>	
Mobile Phone	
<input type="text"/>	

If you have any questions about the registration process contact us [here](#).

Thank You!

Nikola Ivanov

ivanovn@umd.edu

301-405-3626

