

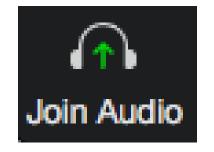
RITIS User Group

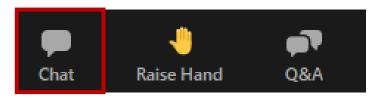
Web Meeting | July 15, 2021



Welcome!

- We are using Zoom Webinar
- AUDIO (Computer): Use your computer speakers and microphone by clicking the "Join Audio" button at the bottom left of the screen. You will be muted.
- Alternate Audio (Phone): Call into the meeting by dialing the phone number based on your location (provided in the confirmation email) and enter the Meeting ID at the prompt. You will be muted.
- This web meeting is being recorded.
- Questions with the audio or web? Please contact Esther directly via the chat box or email (ekleit@kmjinc.com)





Using the Q&A box and Chatbox



Chat Raise Hand Q&A

- Use the Q&A box to ask presenters questions
- Ex. "How accurate is the captured data?

- Use the Chatbox for technical issues or to contact Coalition staff
- Ex. "I can't hear the presenter"

Asking Questions in the Q&A Box

?

Click on the Q&A icon at the bottom of your screen

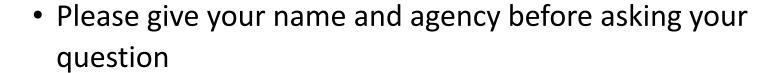


- The questions in the Q&A box will be monitored and answered either between presentations or at the end of the meeting
- You can keep track of your questions in the "My Questions" tab in the Q&A box



Asking Questions Verbally

• Please raise your hand (click on the hand icon at the bottom of the screen), and a host will unmute you.



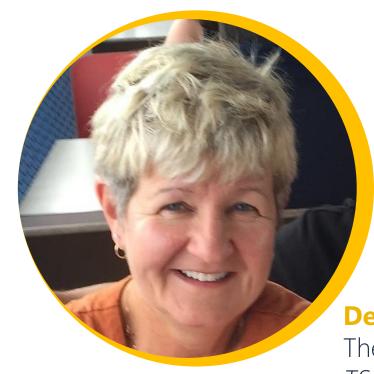
Please mute yourself when you are finished asking a question







Coalition Update





Denise MarkowThe Eastern Transportation Coalition
TSMO Director

Coalition Update

RECENT

- ✓ Coalition-wide Strategic Planning Web Workshop June 8, 2021
- ✓ WAZE Technical Bi-Annual Working Group June 15, 2021
- ✓ VPP-Traffic Data Marketplace State POC Meeting June 22, 2021



UPCOMING

- > Traffic Data Marketplace RFP Evaluation Kick-off Meetings August 17-18, 2021
- > Data Driven Webinar: Best Practices for Conflation Data Sets August 19, 2021
- > Travel Info Web Meeting on Work Zone Data Exchange September 9, 2021 (tentative)
- Mapping Technical Meeting October 7, 2021 (member invite only)
- > RITIS User Group Web Meeting October 2021

Welcome & Introductions





Matt Glasser

Assistant State Traffic Engineer, Georgia DOT RITIS User Group Co-chair

Today's Meeting

Welcome and Introductions	Matt Glasser, Georgia DOT & User Group Co-chair
Spotlight Presentation: Update on the Transportation Disruption and Disaster Statistics – Phase 2	Mark Franz, UMD CATT Lab
Spotlight Presentation: Ranking Intersections Statewide in Georgia using RITIS	Landon Perry, Georgia DOT
RITIS Product Enhancement Working Group Update	Matt Glasser, Georgia DOT
PDA Suite Performance Measures Working Group Update	John Allen, UMD CATT Lab
New RITIS Tools and Recent Enhancements	Michael Pack, UMD CATT Lab
Agency Input Session	Michael Pack, UMD CATT Lab
Wrap Up and Remaining Questions	Matt Glasser, Georgia DOT

Today's Speakers



Michael Pack
UMD CATT Lab
Director



Landon Perry
Georgia DOT
District 7 Preconstruction Engineer



Matt Glasser
Georgia DOT
Assistant State Traffic Engineer



Mark Franz
UMD CATT Lab
Lead Transportation Analyst



John Allen
UMD CATT Lab
Faculty Assistant, Outreach & Education

Meeting Participants

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AECOM	Connecticut DOT	Gannett Fleming	Kingsport MTPO	Maryland Transportation Authority	MWVCOG	Office of Intermodal Planning and Investment	Southwestern Pennsylvania Commission
Arcadis	Denver Regional Council of Governments	Georgia DOT	KISNN Assoc	Massachusetts DOT	National Renewable Energy Laboratory	Ohio DOT	State of Rhode Island - Division of Statewide Planning
Atkins Global	District DOT	Georgia DOT (CHA)	Kittelson & Associates	McLean County Regional Planning Commission	New Jersey DOT	Oregon DOT	Tennessee DOT
Atlanta Regional Commission	DVRPC	Georgia Environmental Protection Division	KMJ Consulting Inc	Mead & Hunt	New Jersey Institute of Technology	Pennsylvania DOT	Texas AM Trans Inst.
Baltimore Metropolitan Council	East Central Intergovernmental Association	Grand Valley Metro Council	Knoxville Regional TPO	Michigan DOT	New Jersey Sports & Exposition Authority	Pennsylvania Turnpike Commission	Springfield-Sangamon County
Cabarrus-Rowan MPO	Federal Highway Administration	Gresham Smith	Louisiana DOTD	Mid-America Regional Council	New York City DOT	Pioneer Valley Planning Commission	The University of North Carolina at Charlotte
Capital Area MPO (CAMPO-Raleigh)	FEMA	Indiana DOT	Lumin8 Transportation	Minnesota DOT	New York State DOT	Rhode Island DOT	TRANSCOM
Central Texas Regional Mobility Authority	Florida DOT	Illinois DOT	Maricopa Association of Governments	Montachusett Regional Planning Commission	NJTPA	Richmond Regional Planning Agency	University of Maryland CATT Lab
City of Concord, NC	Florida's Turnpike Enterprise	INRIX	Maryland DOT	Montgomery County Planning Department	North Carolina DOT	SANDAG	Vermont AOT
City of Sandy Springs, Georgia	Forward Pinellas	Jacobs Engineering (Formerly Maryland SHA)	Maryland DOT-SHA	MWCOG	North Central PA Regional Planning & Development Commission	Transportation Planning Organization	Virginia DOT





Update on the Transportation Disruption and Disaster Statistics (TDADS) Phase 2 — Identifying and Quantifying the Causes of Congestion

Mark Franz
UMD CATT Lab
Lead Transportation Analyst





Today's topics

- Phase 2 TDADS Work
 - Updates on Tasks 4 & 7



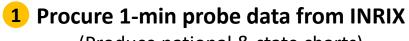
TDADS Phase II tasks

- 1. Project Management
- 2. TDADS Steering Committee
- 3. Procure INRIX data
- 4. Process disruption statistics nationally
 - 5. Production deployment of the TDADS website
 - 6. National Webinar: Showcase the TDADS tool & its functionality
- → 7. Implement geographic improvements to TDADS
 - 8. Scope Development & Requirements for Deep-dive Analytics
 - 9. Signal Congestion Attribution
 - 10. Special Event Impact Analysis Scoping



TDADS Phase II process

Continue engagement of the Steering Committee for guidance throughout the Phase II process



(Produce national & state charts)



2 Implement Geographic & Temporal Improvements

(County & monthly level)



Develop Requirements

(For deep-dive analytics)



4 Conduct a National Webinar

(Showcase the TDADS tool)

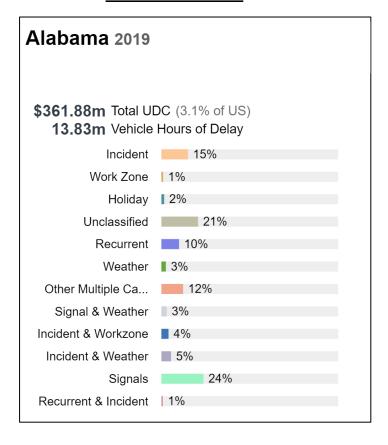


Demo

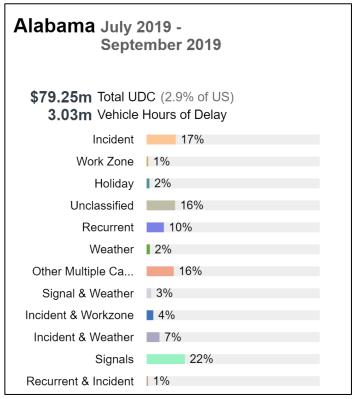
Congestion Causes for the National Highway System (NHS) ▼ | ↓ A to Z Time Aggregation Year ▼ 2019 🔻 View County Sort By County Name Broward, Florida **Sources of Disruption Nationwide 2019** Florida 2019 Broward, FL 2019 View States - Total UDC \$2.87b Total UDC (24.8% of US) **\$305.91m** Total UDC (10.7% of FL) 109.68m Vehicle Hours of Delay - Vehicle Hours of Delay 11.69m Vehicle Hours of Delay Recurrent Incident 20% Weather Work Zone 30% Signals Data coming soon Holiday Incident & Weather Signal & Weather Incident & Workzone Recurrent & Incident Other Multiple Causes Unclassified

Results-Alabama Statewide

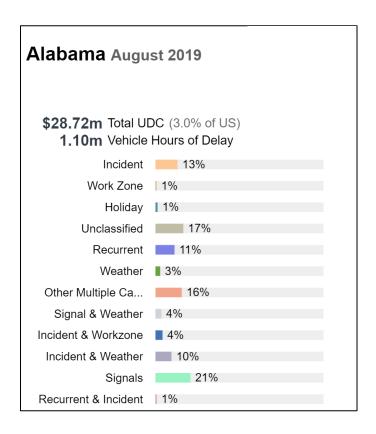
Annual - 2019



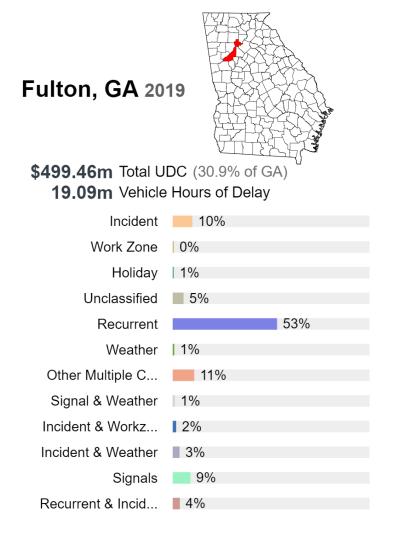
July-Sept 2019



Aug 2019

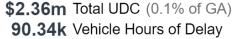


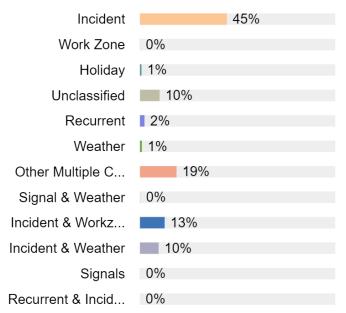
Results-Georgia Urban vs Rural Counties (2019)





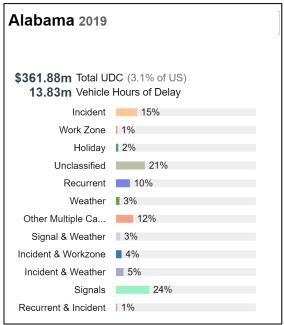


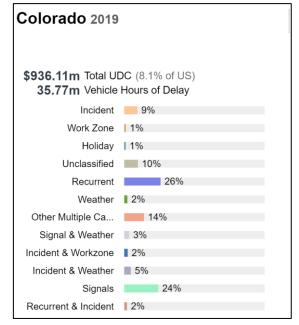


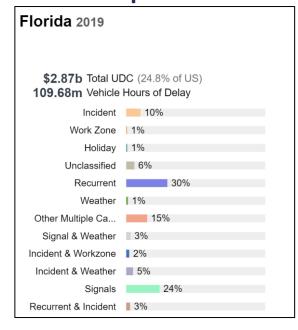


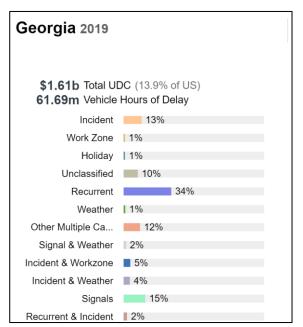


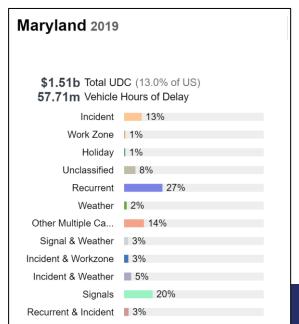
Results- Annual 2019 Multistate Comparison

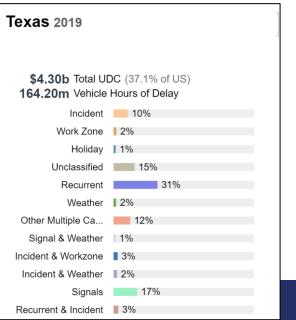






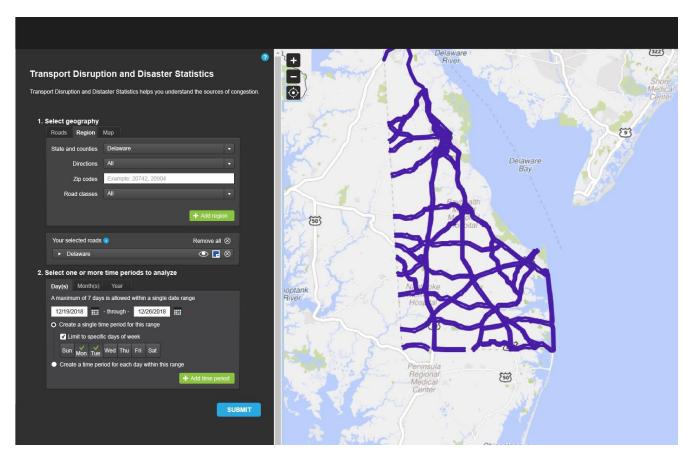






Next Steps through Sept 2021

- 1. Continue processing data for the Phase 2 online tool
- 2. Integrate results into online tool
- 3. Develop requirements for Deep-Dive Tool
- 4. Conduct a National webinar



Questions?





Denise Markow dmarkow@tetcoalition.org





Mark L. Franz mfranz1@umd.edu





Ranking Intersections Statewide in Georgia using RITIS

Landon Perry
Georgia DOT
District 7 Preconstruction Engineer



Ranking Intersections in Georgia Using RITIS



Landon Perry, PE, PTOE State Traffic Operations Manager



GDOT OPERATIONAL IMPROVEMENT PROGRAM OVERVIEW

Funding through agreement between GDOT and FHWA

Funding Sources:

Federal: \$12M/yr

State (HB170): \$18M/yr

Surgical Improvements

- Turn Lanes
- Roundabouts
- Median U-Turns/Restricted Crossing U-Turn
- Existing Footprint Optimization

Project Cost

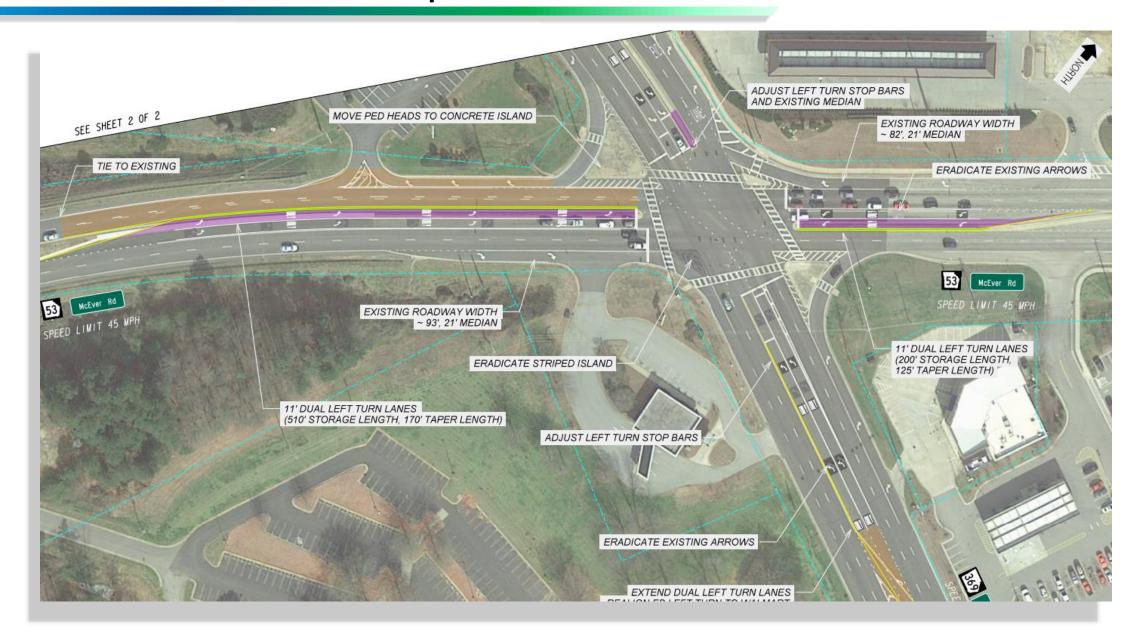
- Majority under \$1M
- Funding for Negotiated Bid Projects (<\$200K)

July 15, 2021 25

TYPICAL PROJECT TYPE – BEFORE CONDITION



TYPICAL PROJECT TYPE – AFTER Ops IMPROVEMENT

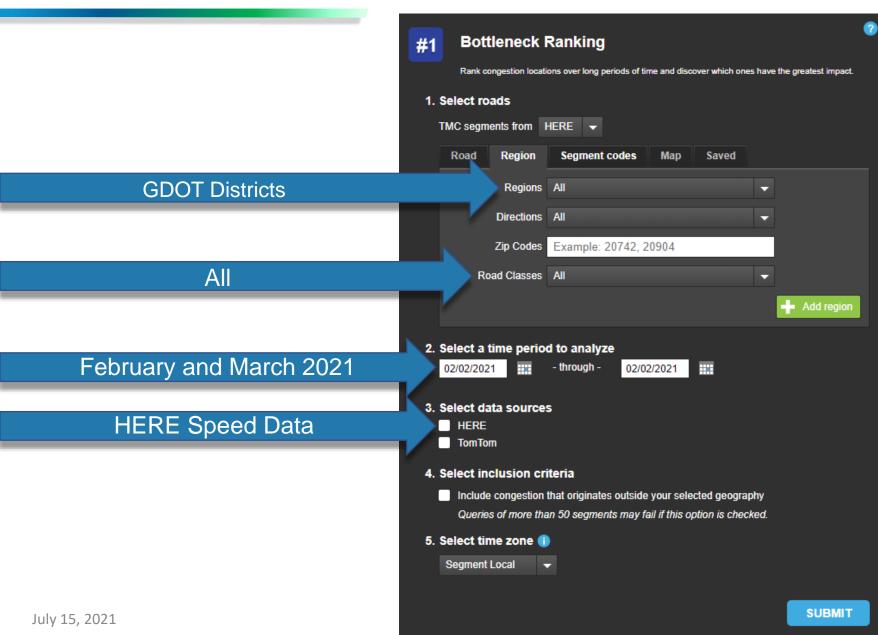


TYPICAL PROJECT PRIORITIZATION CRITERIA

- Operational B/C
- Based on User Delay Cost
- 20-Year Life Cycle for Benefits
- Cost is Based on GDOT Expense

July 15, 2021

BOTTLENECK INPUTS



29

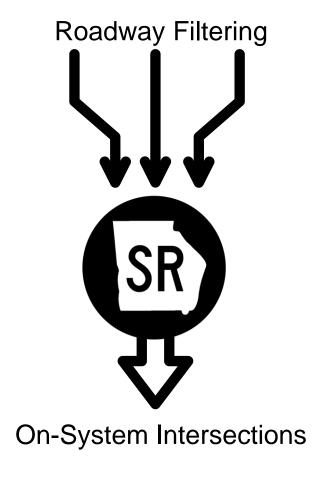
BOTTLENECK OUTPUTS

Base Impact (1)	TOTAL DELAY
11,149	4,579,010
19,492	4,131,038
8,522	4,109,820
6,237	3,751,757
11,302	3,518,677
6,631	2,914,589

30,000 TMC exports

July 15, 2021

OFFLINE DATA PROCESSING



Analysis Excluded:

Arterial intersections without state route or US highway involved, or

The merge or diverge points of freeway mainline and ramps.

July 15, 2021

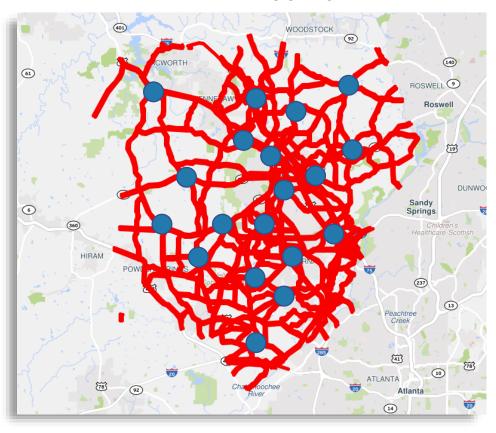
OFFLINE DATA PROCESSING

Aggregation Completed:

TMC Codes

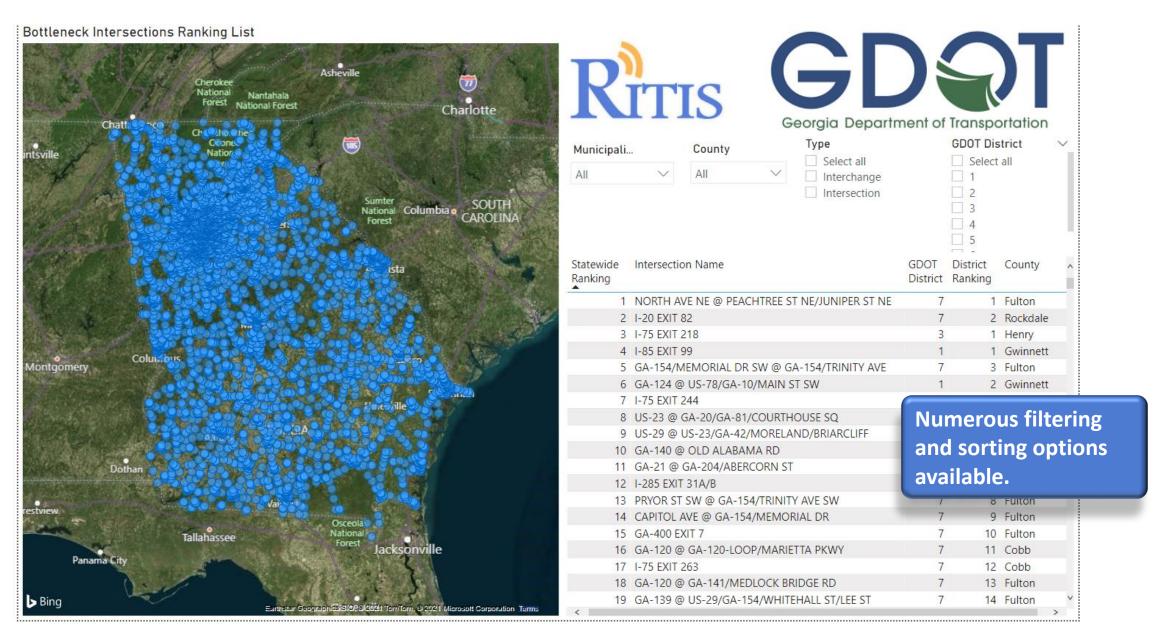
TMC Head Locations (+/- 0.0002)

Intersection Aggregation

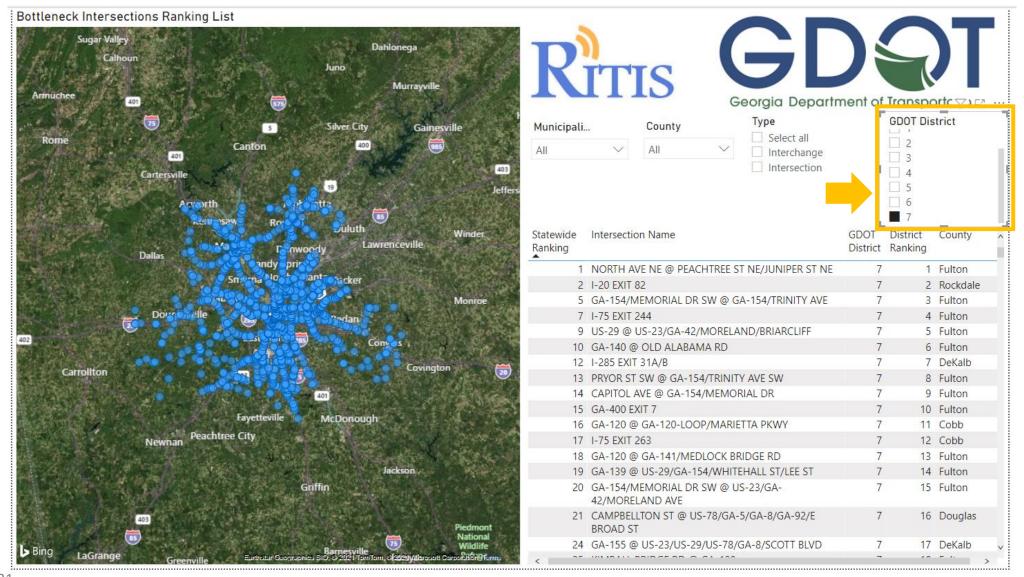


July 15, 2021 32

Customized Dashboard



Customized Dashboard



July 15, 2021 34

Customized Dashboard



July 15, 2021

DATA DRIVEN IDENTIFICATION

Rank

4859

Intersections

3,457
Total delay

(volume component)

1,402

Base impact RITIS ranking

Screen

750

Intersections

Result:

X

Projects



July 15, 2021

THE BENEFITS

Data Backed

Proactive

Prioritizes Requests

July 15, 2021

LOOKING AHEAD

Before vs. After Validation

Additional Probe Data Integration

Annual Updates to be Completed

Additional Data Attributes to be Included

July 15, 2021





RITIS Enhancement Working Group

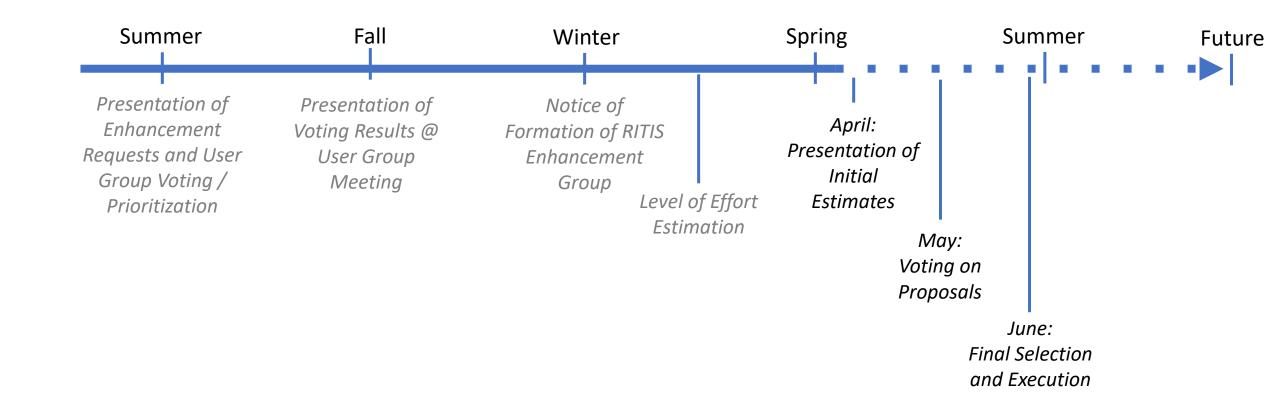




Purpose and Goal

- Form a nimble "pooled fund" like group to:
 - Fund RITIS Enhancements
 - Assist with prioritization efforts for the CATT Lab
- Provide stable, annualized funding
- Connect Agencies with similar needs

Getting to Today



High-level Overview

DVRPC

Georgia DOT

Massachusetts DOT

Michigan DOT

MWCOG

New Jersey DOT

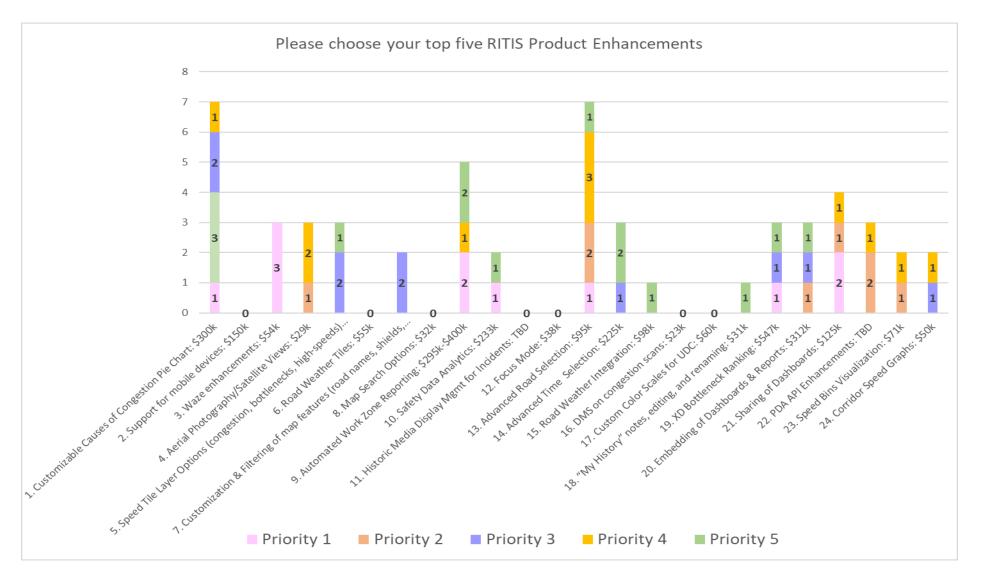
North Carolina DOT

Oregon DOT

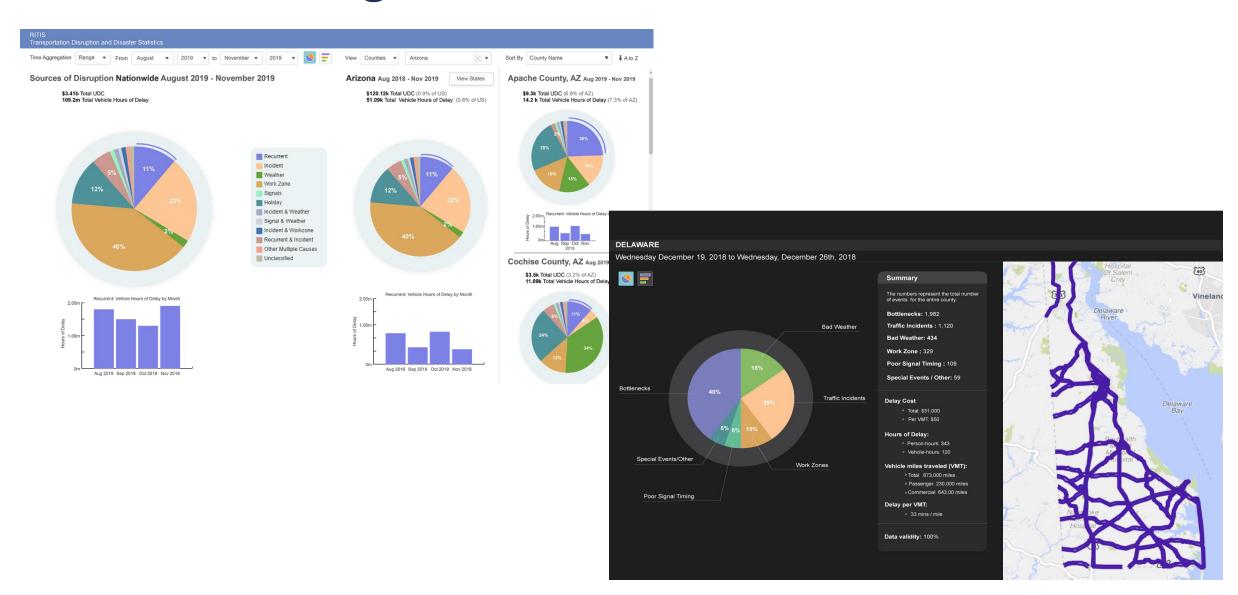
Pennsylvania DOT

Rhode Island DOT

Virginia DOT



Causes of Congestion Pie Charts



But wait, there's more...

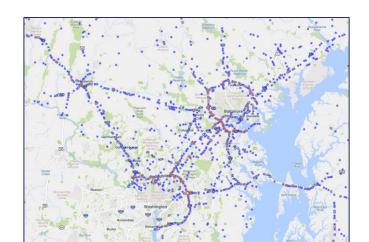


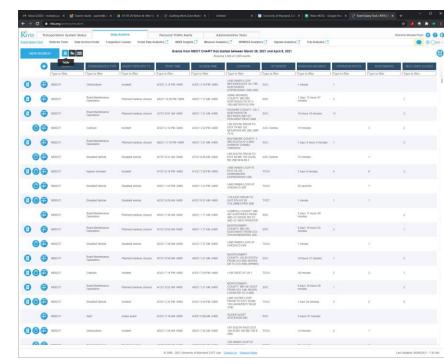
Various Waze enhancements

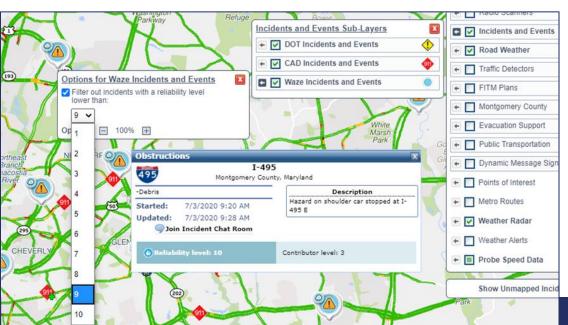
- Additional filtering options by event type, geography, road class, etc.
- Add Waze data downloads and analysis to the Event Query Tool

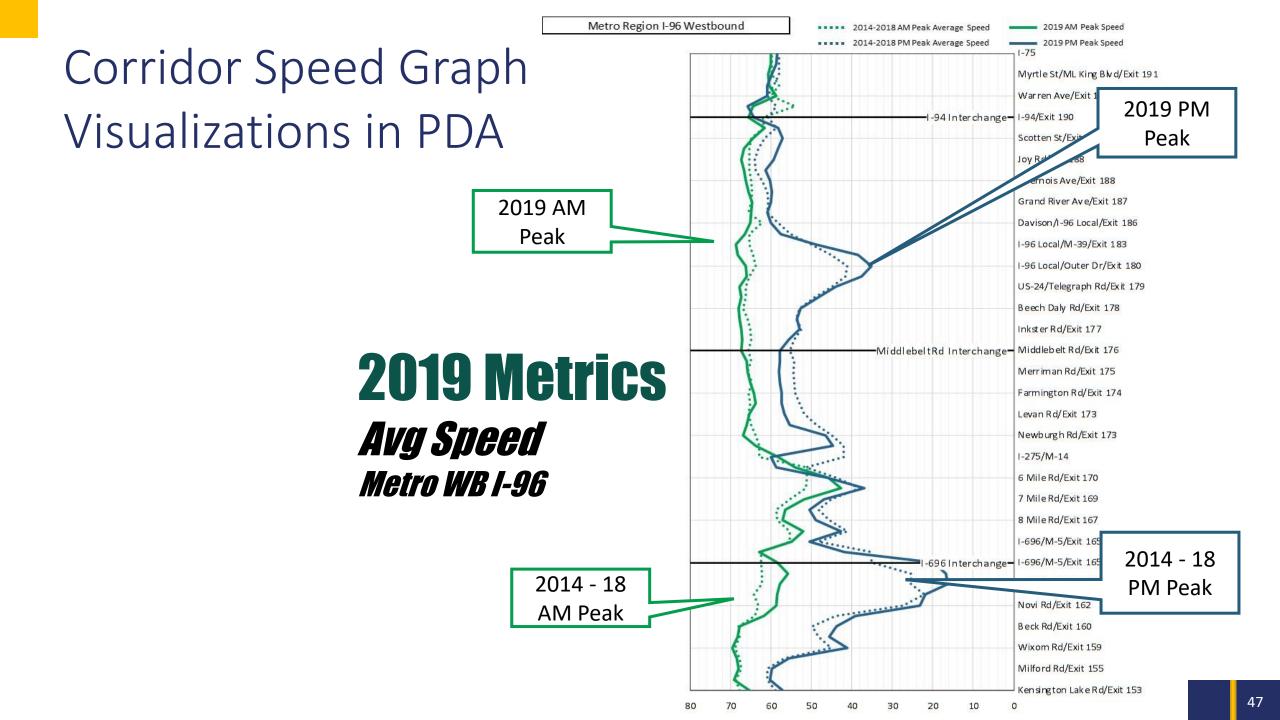
Scalability to handle increased load and browser

limitations











PDA Suite Performance Measures Working Group





Template Matrix

RITIS Performance Reporting Template Matrix

 Helps users choose the right template for the job

Template Discipline	After Action Review	Before & After Study	Corridor Performance	Holiday Travel	Monthly Congestion	TSMO Tracking	Work Zones
Planning		•	•		•		
Traffic Ops	•		•			•	•
Travel Info			•	•	•		•
Research	•	•	•	•	•	•	•

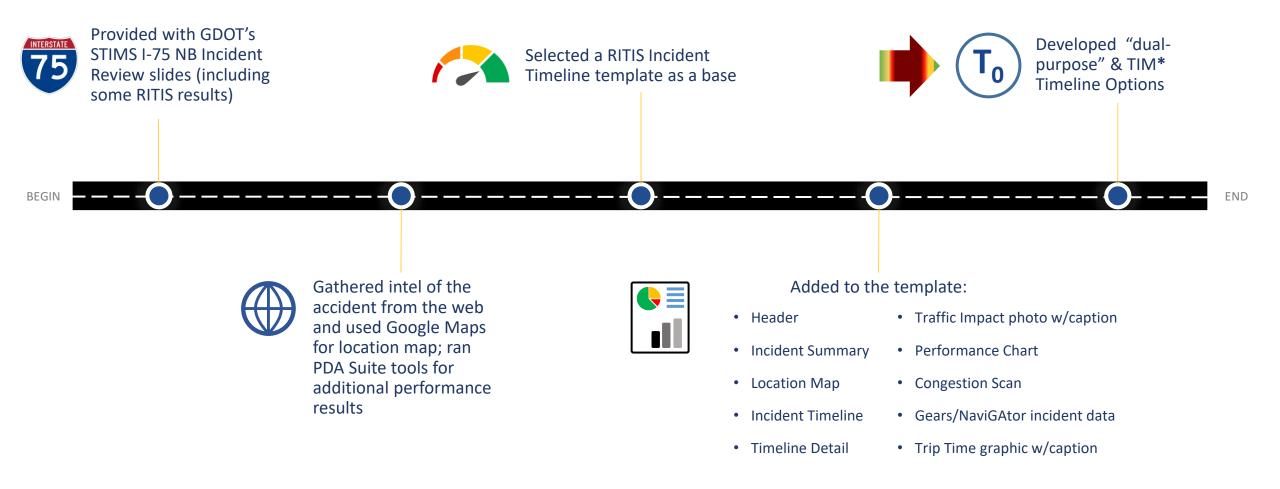
Most likely use of the available templates

Event Summary Report Walk-through



Complete Team Meeting | June 17, 2021

Roadmap for building the I-75 NB event summary report



^{* -} Learn more about Traffic Incident Management by visiting FHWA's Office of Operations Gap Analysis Primer page https://ops.fhwa.dot.gov/publications/fhwahop15007/chapter1.htm



AAR completed "dual-purpose" timeline template (front)

Header (GDOT)

Summary (Media)

Timeline (GDOT)

Timeline Detail (GDOT)

Event Summary

Pedestrian Hit & Run

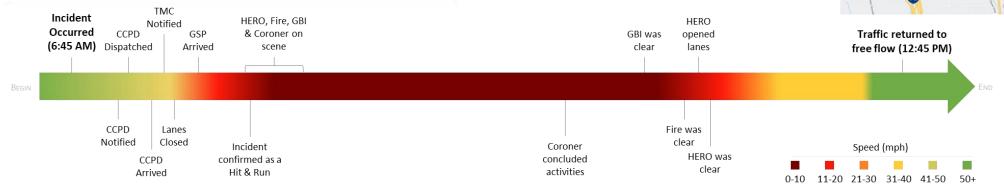
I-75 NB near Exit 239 (CW Grant Pkwy.) | December 9, 2019

On Monday morning, December 9, 2019, a pedestrian was struck and killed on I-75, resulting in four hours of road closures and gridlock through the Southside. The northbound lanes were shut down at C.W. Grant Parkway about 7:30 AM for authorities to conduct an investigation. Traffic began flowing again about 11:30 AM. Tough delays remained out of Morrow through the lunch hour.



Location Map (Google Maps)

Incident Timeline | Total Elapsed Time: 6 hours



Timeline Detail Q

7:05 AM Clayton Police first received a report of a pedestrian struck by a motor vehicle

7:19 AM Clayton PD arrived on scene

7:26 AM TMC was advised of incident from Clayton PD and found a camera visual

7:30 AM All lanes were blocked; confirmed fatality 7:36 AM Traffic was diverted to I-285, messages posted

7:41 AM Georgia State Patrol (GSP) on scene and assisting with traffic control

8:06 AM Incident confirmed as a hit & run; GSP, Clayton PD, the Fire Department, GBI, HERO, and the Coroner are all on scene

10:26 AM Coroner removed the deceased from the scene

11:06 AM GBI is clear

11:20 AM Fire clears scene

11:25 AM HERO opens lanes to traffic

12:45 PM Traffic returned to normal flow

Traffic Impact 🕰

During the investigation major delays stretched back more than six miles. At their worst, the trip from Mt. Zion Boulevard to I-285 clocked in at nearly four hours



Traffic Impact (Media)





AAR completed template (back)

Header (GDOT)

Performance **Charts** (RITIS)

> **Trip Time Graphic** (Media)

Performance Impacts



Pedestrian Hit & Run

I-75 NB near Exit 239 (CW Grant Pkwy.) | December 9, 2019

Performance Chart for I-75 NB

between Cleveland Ave/Exit 241 and I-675/Exit 227





(Above) At 7:55 AM, weekday speeds for the year averaged 41.2 mph, while during the course of the investigation, speeds dropped to 3.9 mph.

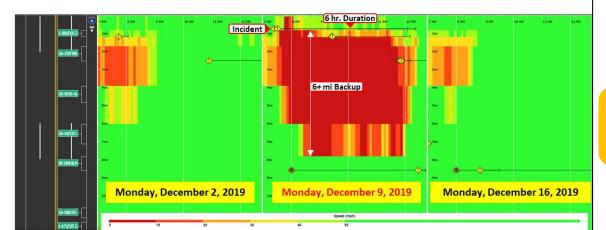
(Right) Those stuck in the backups were eventually turned around and diverted off the interstate onto I-285 East. Commuters were crowding onto I-675, Old Dixie Highway and Jonesboro Road throughout the morning drive.



Congestion Scan for I-75 NB



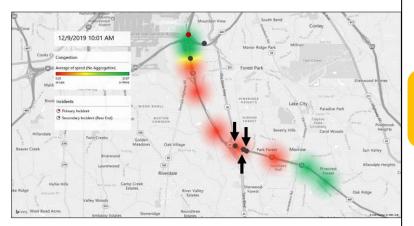
between I-285/Exit 238 and I-675/Exit 227



Congestion Scan (RITIS)

(Above) Comparisons between the incident date and the Monday before and Monday after show dramatic speed reductions and traffic queuing differentials due to the investigation.

(Right) Data from GEARS and NaviGAtor show the primary (red dot) and secondary (black dots) incidents that occurred. Note the three secondary incidents that occurred between 9 a.m. and 10:00 a.m. at the back of the queue (black arrows).



GEARS/ NaviGAtor (GDOT)



How long did this take to build?

```
Assemble Information ~ 1 hr.

Create front page ~ 3 hr.

Create back page ~ 2 hr.

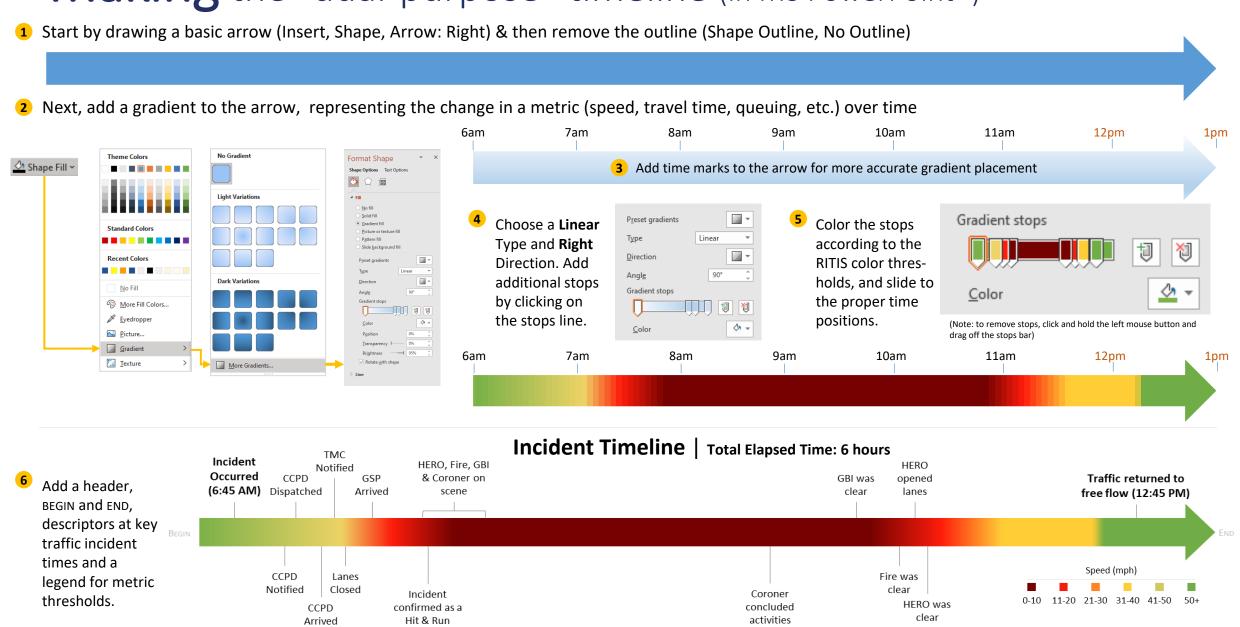
Total ~ 6 hr.*
```

* (included dual-purpose/TIM timeline development & other PDA runs/results)



New how-to & design resources

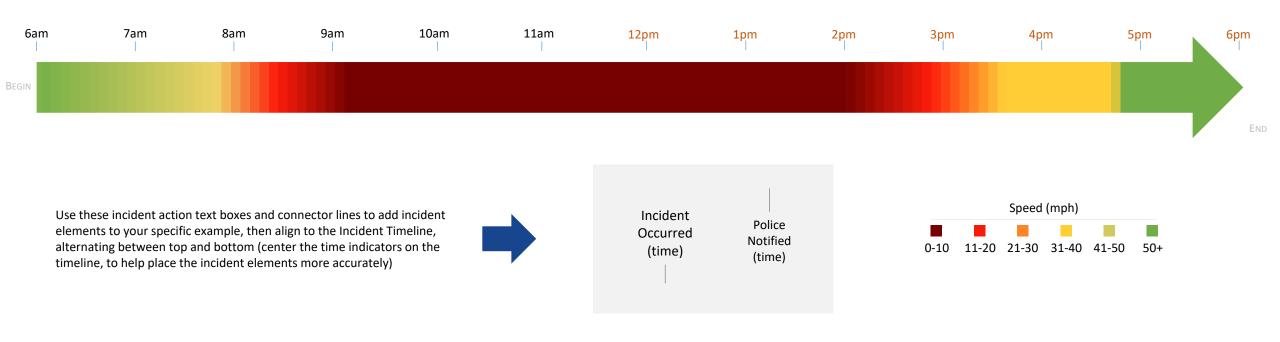
Making the "dual-purpose" timeline (in MS PowerPoint®)



Incident Timeline

This graphic was constructed in PowerPoint® to give it a certain look, and each element is editable. Simply click on each element to change size, shape, location, color, content, etc. To maintain scale and easily resize when adding to your report, group all elements together, right-click the table, click copy, then in your report, right click a location, then choose Picture under Paste options.

Incident Timeline | Total Elapsed Time: x hours xx minutes

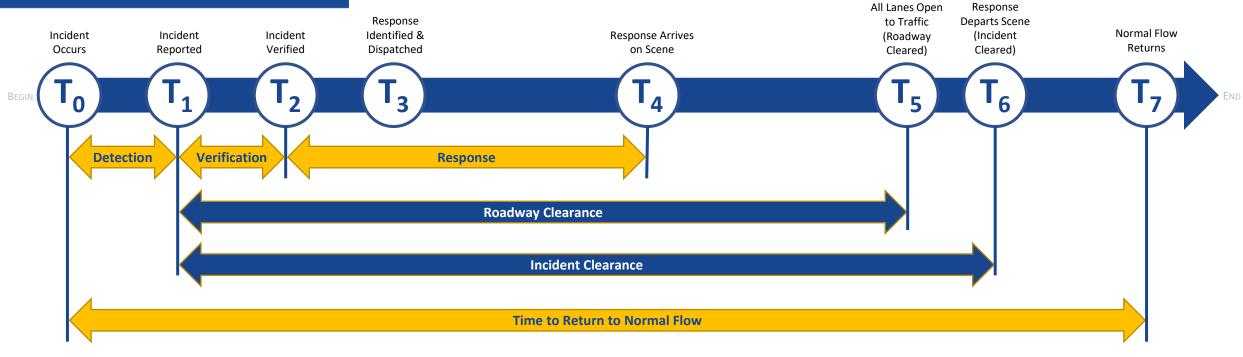


- Use this basic shape to create a simple incident "dual-purpose" timeline graphic
- · Adjust the time indicators by editing, adding or removing them, then align horizontally to get them evenly spaced
- Slide the gradient stops that correspond to an incident action (incident occurred, police notified) at a specific point in time, then remove the time indicators
- Add a legend for your specific metric (speed, travel time, queue length)



TIM Element Timeline*

This graphic was constructed in PowerPoint® to give it a certain look, and each element is editable. Simply click on each element to change size, shape, location, color, content, etc. To maintain scale and easily resize when adding to your report, group all elements together, right-click the table, click copy, then in your report, right click a location, then choose Picture under Paste options.



Measure	Definition		
Detection Time T1 – T0	Time between the incident occurring and the incident being reported. Detection time is not typically reported due to the fact that the actual time the incident occurred is often unknown.		
Verification Time T2 – T1	Time between incident being reported and the incident being verified. TMCs can typically assist with verification through use of their CCTV cameras.		
Response Time T4 – T2	Time between the incident being verified and the first responder arriving on scene. Law enforcement may not always be the first party to arrive on scene.		
Roadway Clearance Time (RCT) T5 – T1	Time between the first recordable awareness of the incident by a responsible agency and the first confirmation that all lanes available for traffic flow.		
Incident Clearance Time (ICT) T6 – T1	, , , , , , , , , , , , , , , , , , , ,		

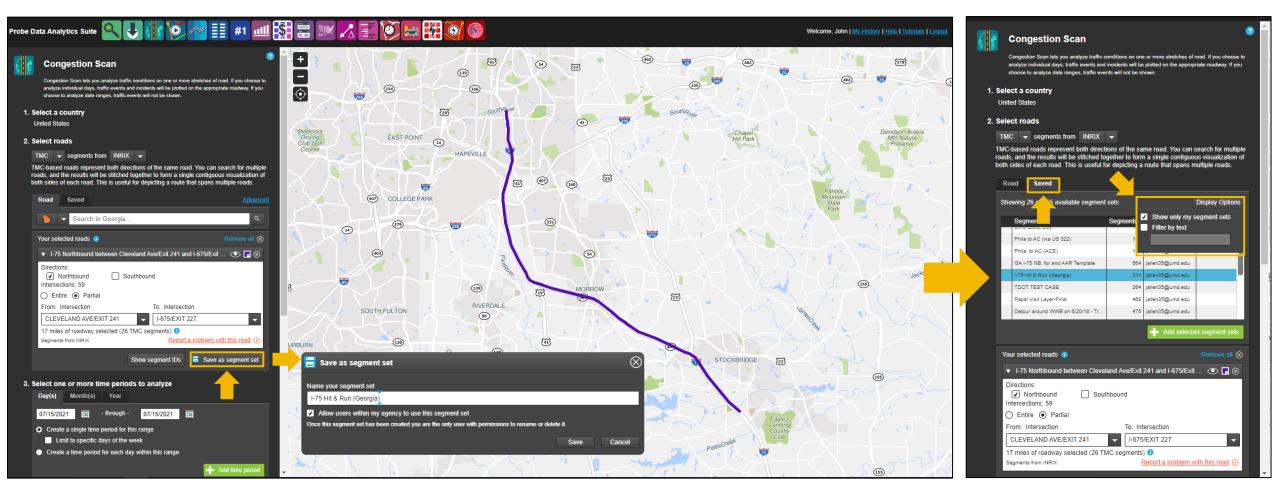
^{*} Source: FHWA's Traffic Incident Management Gap Analysis Primer: https://ops.fhwa.dot.gov/publications/fhwahop15007/chapter1.htm



Two Quick Reminders...

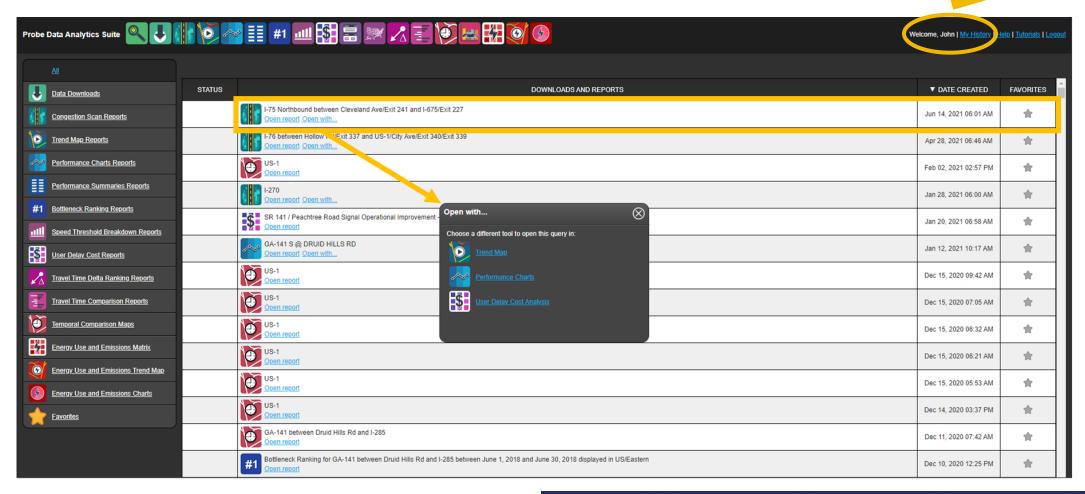
Save your TMC sets!

Helps you <u>quickly and easily</u> access ALL your past roadway or network query info, so you don't have to recreate it. It can also be shared within your agency.



Use My History!

Helps you <u>quickly and easily</u> access ALL your past downloads and reports, AND open results in different tools.



mass DOT Truck Bridge Strike Massachusetts Department of Transportation



Event Summary Truck Bridge Strike

Occurred on the I-95 SB at Exit 30B in Lexington, MA • Tuesday, June 15, 2021



The incident occurred at about 8:15 AM, with traffic back to normal about 11:00 AM.



A flatbed truck traveling under Rt 2A overpass struck the bridge and lost part of its load.

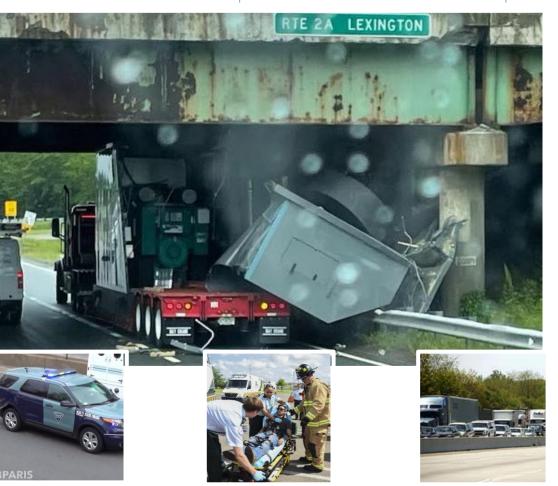


The I-95 SB lanes were closed for over 2 hours.



MSP, first responders and MassDOT engineers actively participated in this operation.

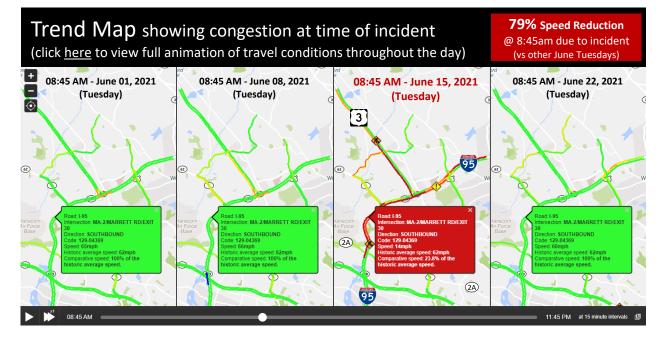




Massachusetts State Police were first on the scene.

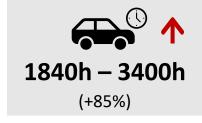
An injured driver was taken to the hospital with non-life-threatening injuries.

Traffic backups persisted for 2+ hours during the lanes' shutdown.

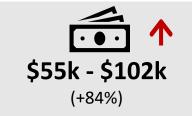




Increase in travel time on alternate routes for the day of the accident vs typical free-flow conditions.



Increase in vehicle-hours of delay for the region on the day of the accident vs normal June Tuesdays.



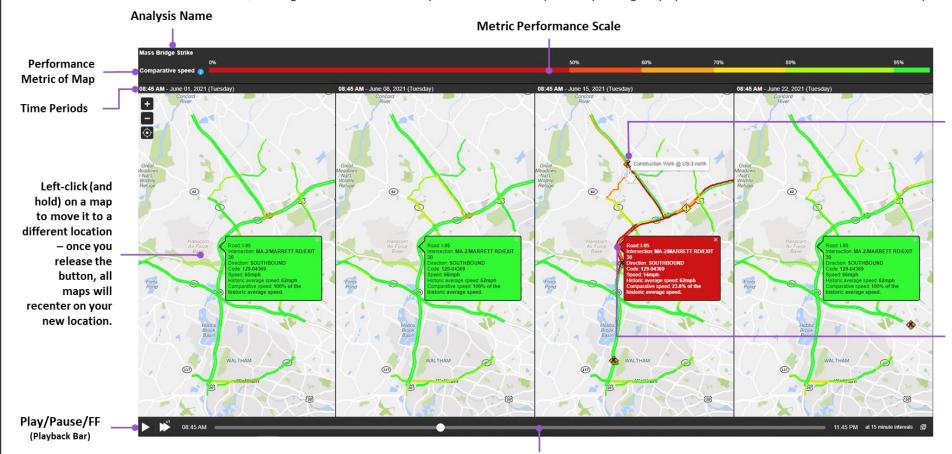
Increase in delay cost for the region on the day of the accident vs normal June Tuesdays.



Trend Map Quick Start Guide



Clicking on the Trend Map itself - or the text link in the Trend Map header - will open the PDA Trend Map for this incident. The PDA Trend Map is fully interactive such that you can zoom in or out (using mouse wheel or map controls in the upper-left corner of the map frame) on any of the map panels to explore more details. You can click on any of the colored road segments to view a pop-up with more detailed statistics regarding traffic flow at that moment in time. Users can also animate the traffic conditions as they changed over the course of a day for the selected time periods by clicking the play button in the lower-left corner of the Trend Map.



Hover over any event icon (roadwork, incident, etc.) to see more detail.

Hover over any road segment to view detailed information across all time periods. Single-click on the road segment to lock the popup in place (good for taking screenshots to compare performance across various road segments).

You can click and drag the time slider anywhere on the playback bar (at your pre-selected time intervals) or just click on the playback bar to move the slider.

(Note: once tooltips are locked in place on a TMC, clicking play or moving the slider will show any metric changes in the pop-ups over time)

RECRETORY

For more information on the full-featured Trend Map tool - including a video tutorial - go to: https://pda.ritis.org/suite/help/#trend-map

RITIS Performance Reporting Working Group

Performance Reporting Working Group

- Meet sometime after the summer
- Review of new materials to improve, test-drive, etc.
- Feedback on latest versions (content, structure, etc.) of RITIS templates page
- Help develop a virtual training program for RITIS users





NJTPA









Matt Glasser GDOT



Ed Stylc BMC



Charles Lattimer
UMD CATT Lab



Kelly WellsNCDOT

Recent Organization Tutorials

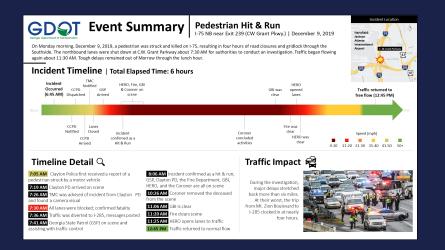


ITSGA Performance Reporting Workshop (December 10, 2020)





I-75 NB Event Summary Walk-through (June 17, 2021)





RITIS Incident/Accident Evaluation Workshop (July 1, 2021)





RITIS User Group

Virtual Performance Reporting Workshops?

User Poll

Would you be interested in a workshop to learn how to develop performance reports, using RITIS templates?

- Yes, definitely
- Maybe, but I need to know more
- No thanks



User Poll

Which template would you be <u>most</u> interested in for the workshop to cover?

- After Action Reviews
- Before & After Studies
- Corridor Performance
- Holiday Travel
- Monthly Congestion





New RITIS Tools and Recent Enhancements





RITIS latest updates

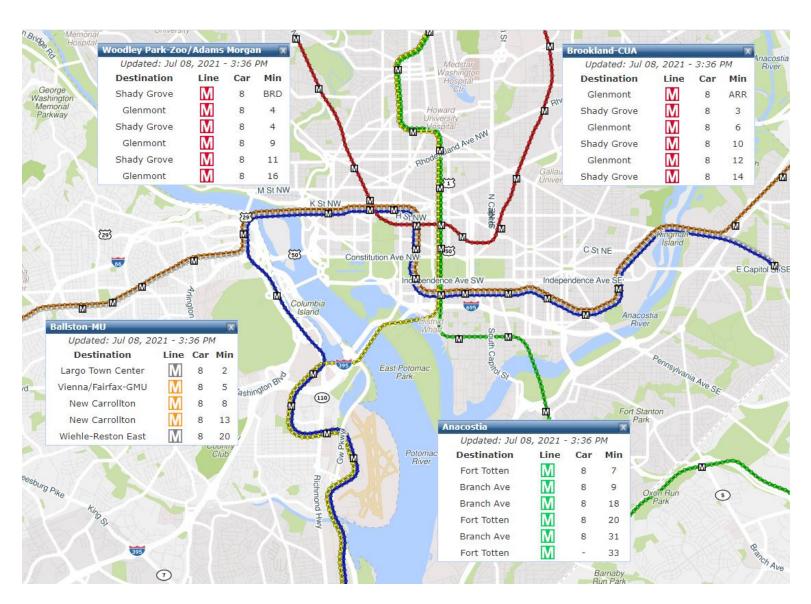
Added a default filter name in the RITIS Traffic Map - Public Transportation Layer when creating a new transit route filter.



2 Improved performance loading RITIS

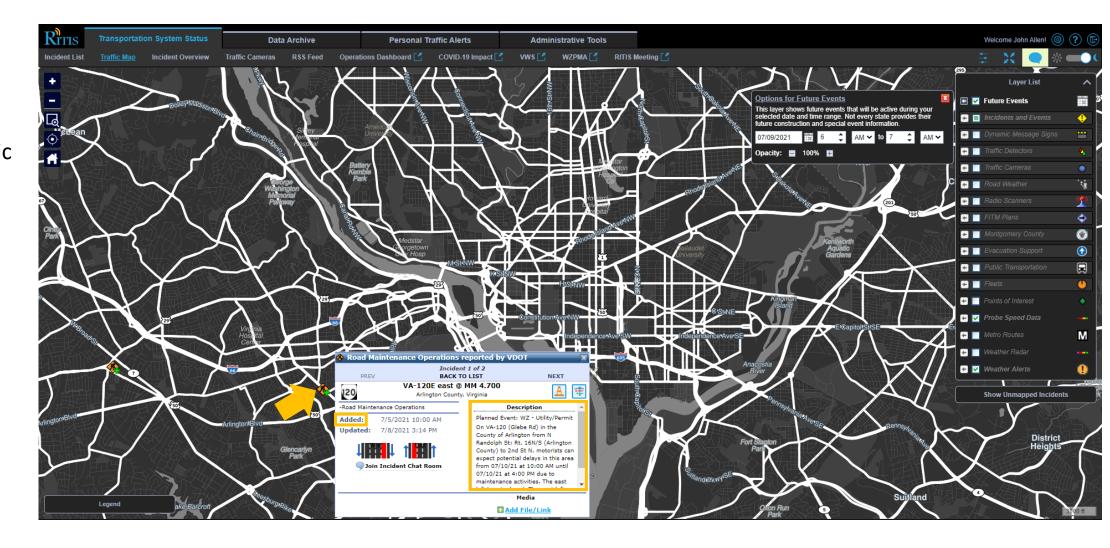
Traffic Map - Public Transportation

Layer route lines.



RITIS latest updates

Changed the label on the RITIS Traffic Map - Future **Events Layer** popups from "Started" to "Added" to clarify when the data was added since the event hasn't yet started.



RITIS latest updates

4 Improved formatting on the Tool Catalog to enhance readability.



PDA - Energy Use and Emissions Matrix

Energy Use and Emissions Matrix creates a color-coded matrix of aggregated energy use and emissions estimates for all roads for each hour within a customized analysis period. In the resulting matrix, you can switch between energy use from two models as well as CO2, NOX, PM2.5, PM2.5NOX precursor, and VOC emissions. Totals across the hour, day, and each date within the query range are provided as well as the overall total. This tool is recommended for analysts interested in estimating aggregate hourly sustainability metrics to discover patterns or abnormalities.





PDA - Energy Use and Emissions Trend Map

Energy Use and Emissions Trend Map creates hourly animations of energy use and emissions on selected roads and date ranges. The output map provides estimates of energy use and emissions for each selected segment as well as the aggregate. Results are normalized by VMT to assist in identifying segments with abnormal sustainability performance. Similar to the original Trend Map, you can select up to seven time ranges to create synchronized map animations to discover differences in sustainability metrics from the driving mode. As with the other and

sustainability metrics from the driving mode. As with the other energy use and emissions tools, you can switch between energy use from two models, as well as CO2, NOX, PM2.5, PM2.5NOX precursor, and VOC emissions. This tool is recommended for analysts seeking to evaluate segment-level and aggregate hourly sustainability metrics on a time-stepped map-based visualization.









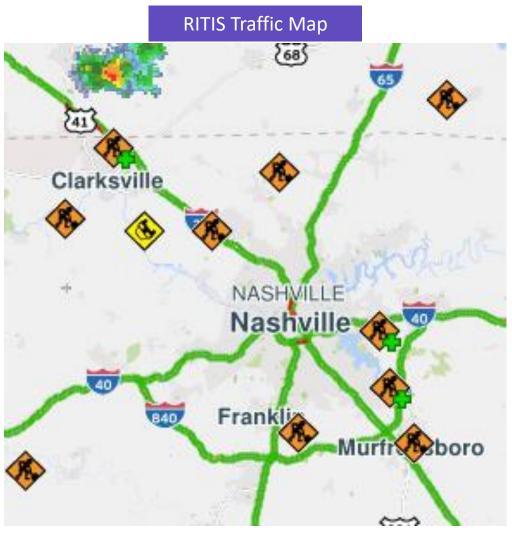
5 Corrected Issues

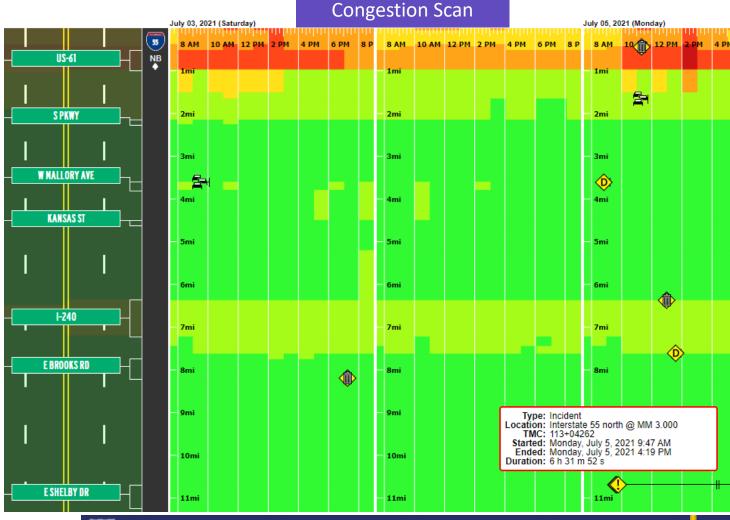
- Subscription Alerts
- Chat Menu
- Traffic Map



Probe Data Analytics Suite

Event data from Tennessee DOT is now available in all tools that support event data





2 Excel exports from Trend Map now include a column for the segments' road names

Speed for I-76, NJ-42, and US-322 between NJ-42/Black Horse Pike/Glassbo and Captain John A O'donnell Pkwy using INRIX data June 30, 2019 through July 05, 2019

Segment ID	Road	Intersection	Miles	12:00 AM		2:00 AM	3:00 AM		5:00 AM	6:00 AM	7:00 AM	- C.CC 7 IIII	9:00 AM	10:00 AM			1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
103+09624	NJ-42	CR-689/CROSS KEYS BERLIN RD	2.523842	48.18	46.5	46.7	47.02	47.2	48.82	50.04	50.48	51.75	48.52	48.48	47.32	45.79	45.08	46.17	44.57	45.29	45.0
103P09628	NJ-42	US-322/SICKLERVILLE RD	0.091530	33.07	33.23	34.51	33.99	35.77	34.04	31.28	32.12	34.36	35.54	35.74	37.06	33.56	33.87	37.72	27.96	32.65	27.9
103+09625	NJ-42	TUCKAHOE RD/STAGECOACH RD	0.898171	43.56	41.67	41.52	42.46	43.5	45.72	41.54	43.0	39.19	36.15	36.3	35.94	_	34.28	33.54	38.1	38.47	38.49
103+09626	NJ-42	FRIES MILL RD	1.392264	45.3	42.58	_	40.46	42.74	46.57	47.02	46.36	44.68	43.93	41.81	40.9	38.96	39.74	39.38	39.92	41.48	40.49
103+09627	NJ-42	GANTTOWN RD	0.385422	32.68	31.91	33.85	32.59	30.66	28.87	33.14	31.73	30.04	26.84	25.19	25.76	25.52	24.99	22.37	15.6	15.68	15.38
103+04295	NJ-42	NJ-168/ATLANTIC CITY EXPY	0.870263	38.0	35.21	37.4	37.47	38.85	38.18	32.84	34.11	32.79	30.68	28.87	29.46	27.78	28.38	25.35	29.69	29.83	29.47
103P04295	NJ-42	NJ-168/ATLANTIC CITY EXPY	0.917756	54.41	53.84	54.53	55.83	56.3	58.52	54.3	54.38	54.19	52.67	52.45	52.74	51.7	51.78	50.24	54.06	54.61	42.07
103+15548	NJ-42	COLLEGE DR/BLACK HORSE PIKE	0.642040	66.14	66.04	66.24	67.46	68.43	70.16	61.18	63.77	70.24	68.81	67.75	67.55	66.26	64.59	61.17	64.86	58.2	41.49
103+04296	NJ-42	CHURCH ST	0.948460	68.52	67.55	68.56	69.4	70.59	72.16	59.76	47.87	67.91	69.5	69.52	69.3	67.76	54.4	65.23	53.75	33.66	23.2
103P15548	NJ-42	COLLEGE DR/BLACK HORSE PIKE	0.148131	67.17	66.78	66.63	68.58	69.25	71.07	59.38	58.16	70.42	69.31	68.23	68.21	66.7	60.48	64.56	63.64	41.64	26.5
103P04296	NJ-42	CHURCH ST	0.206745	67.59	67.24	68.36	69.94	69.31	72.0	57.53	42.9	48.93	63.23	69.45	69.01	67.09	53.35	65.23	50.98	29.57	24.35
103+04297	NJ-42	COLES RD	0.461400	66.96	66.6	67.17	69.04	69.1	71.27	58.6	44.53	44.42	61.26	67.58	67.34	64.77	52.95	64.28	50.93	42.85	37.17
103+04298	NJ-42	NJ-168/BLACK HORSE PIKE	0.343936	67.73	67.58	67.54	69.16	70.24	71.72	58.8	43.25	41.95	60.6	68.13	67.97	64.91	52.23	66.4	60.4	62.82	59.83
103P04298	NJ-42	NJ-168/BLACK HORSE PIKE	0.171130	67.59	67.52	68.01	69.35	70.03	72.28	57.54	41.68	38.83	60.06	69.15	68.97	66.18	50.05	67.73	64.3	61.43	63.03
103+04299	NJ-42	LOWER LANDING RD/EXIT 10B	0.922645	66.64	66.68	66.68	68.01	69.25	71.58	53.94	37.12	35.74	56.37	67.62	66.7	63.52	47.65	65.47	53.21	51.75	57.73
103+04300	NJ-42	NJ-41/HURFFVILLE RD	0.459670	64.16	64.43	64.39	65.95	67.25	69.58	52.82	35.65	37.51	54.89	64.11	63.35	60.8	55.24	61.95	45.51	50.4	53.4
103P04300	NJ-42	NJ-41/HURFFVILLE RD	0.357785	66.55	65.45	65.78	68.38	68.82	70.95	52.73	33.52	33.13	54.71	67.11	66.5	63.4	63.73	64.85	22.77	45.87	53.36
103+04301	NJ-42	CLEMENTS BRIDGE RD/EXIT 12	0.209601	67.02	65.82	66.26	69.36	68.91	71.44	54.02	36.21	36.84	55.12	67.21	67.44	63.0	65.86	65.45	22.56	47.1	51.92
103P04301	NJ-42	CLEMENTS BRIDGE RD/EXIT 12	0.229161	66.92	66.62	66.18	69.18	68.82	71.33	56.95	39.49	37.84	55.86	64.97	66.65	61.84	66.15	65.14	21.94	47.49	52.88
103+04302	NJ-42	NJ-55/EXIT 13	0.720785	67.32	67.3	67.17	70.4	69.1	71.61	61.36	49.38	43.08	59.14	58.34	63.33	62.1	65.56	61.76	23.43	54.85	58.22
103+04303	NJ-42	LEAF AVE	0.878632	63.49	64.26	63.6	65.98	65.41	67.59	61.09	51.38	45.33	59.77	49.98	58.23	59.67	59.92	52.29	32.92	57.3	58.81
103P04303	NJ-42	LEAF AVE	0.076669	61.72	61.48	60.97	64.08	63.02	66.31	60.88	51.57	45.28	59.53	54.79	58.36	59.04	58.7	49.79	38.64	57.02	57.96
103+04304	NJ-42	I-295/I-76/EXIT 26	0.222188	59.23	59.42	58.63	62.66	62.02	64.56	59.96	49.59	43.22	57.71	55.47	56.68	56.72	56.89	51.26	46.17	55.02	55.96
103P04304	NJ-42	i-76/i-295/EXIT 1	0.290290	61.6	61.78	61.71	64.97	65.93	67.61	62.67	47.62	41.2	61.05	60.67	59.63	60.81	60.62	59.79	57.77	59.21	59.46
103+04305	NJ-42	US-130	0.226059	61.03	60.83	61.25	63.78	64.67	66.59	61.43	49.77	45.05	59.13	60.1	59.16	59.19	59.31	59.32	58.66	58.56	58.21
103P04305	NJ-42	US-130	0.274752	61.61	61.66	61.94	63.76	65.15	67.45	62.97	53.69	49.31	59.69	61.09	60.38	60.14	60.1	60.54	60.24	59.98	59.63

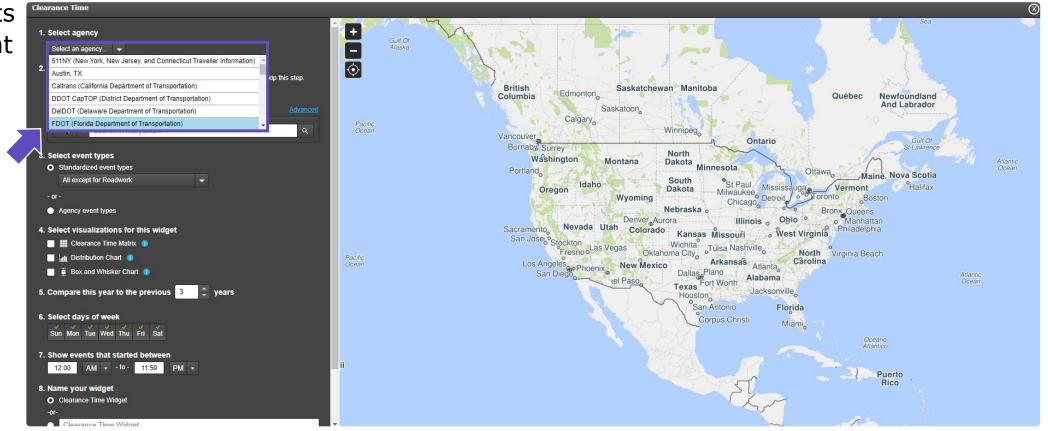




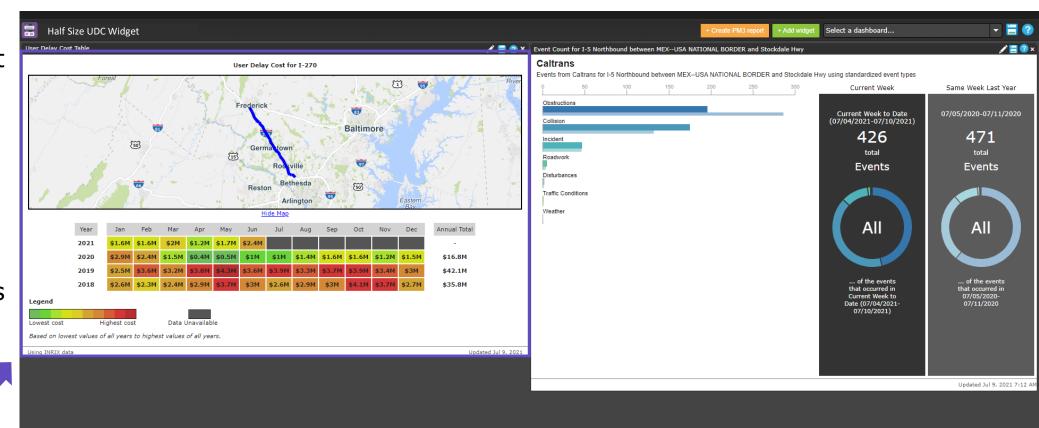
Performance Summaries results that span less than a week will now show values in the "Weekday" and "Weekend" columns for the subset of those time periods that are covered by the days in your selection, instead of displaying N/A.

01, 2021 through	July 04, 2021 Northbound	July 01, 2021 through July 04, 202	1 Southbound					
		N	orthbound segments from I-2	270 between 1-495/MD-355 and Shady G	Grove Rd/Exit 8 using INRIX data			
				July 01, 2021 through July 04, 202	21			
	Speed (mph)	Buffer time (minutes)	Buffer index	Planning time (minutes)	Planning time index	Travel time (minutes)	Travel time index	
	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	
	- to -	- to -	- to -	- to -	- to -	- to -	- to -	
	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	
Mon	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mon
Tue	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Tue
Wed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Wed
						1477		
1 Thu	61.92	1.47	0.18	9.83	1.20	8.37	1.02	Thu
2 Fri	64.65	0.38	0.05	8.65	1.06	8.02	0.98	Fri
Weekdays	63.26	1.09	0.13	9.41	1.15	8.20	1.00	Weekdays
3 Sat	65.43	0.56	0.07	8.66	1.06	7.92	0.97	Sat
4 Sun	67.00	0.08	0.01	8.29	1.01	7.74	0.94	Sun
Weekends	66.21	0.32	0.04	8.48	1.03	7.83	0.96	Weekends
All Days	64.70	0.76	0.09	8.99	1.10	8.01	0.98	All Days

4 The agency lists in the Event Count Widget and the Clearance Time Widget are now alphabetized.



The UDC widget can now be resized down half the width of the Dashboard. Previously it could not be shrunk below two-thirds of the Dashboard's width.





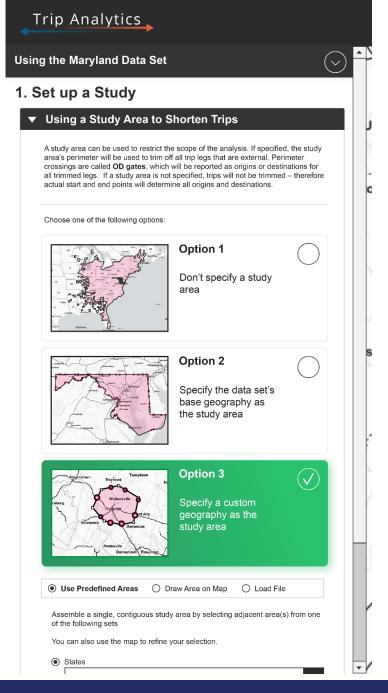
Various bug fixes



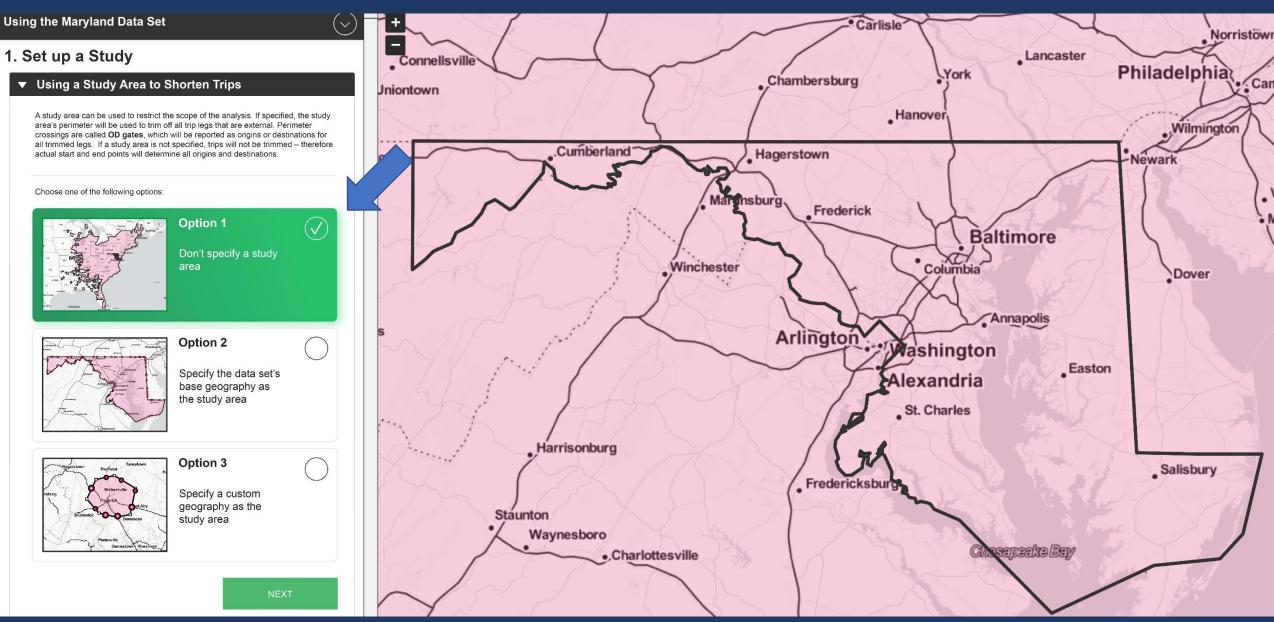
Trip Analytics

Trip Analytics latest updates

Significant progress towards
Trips Analytics Version 4

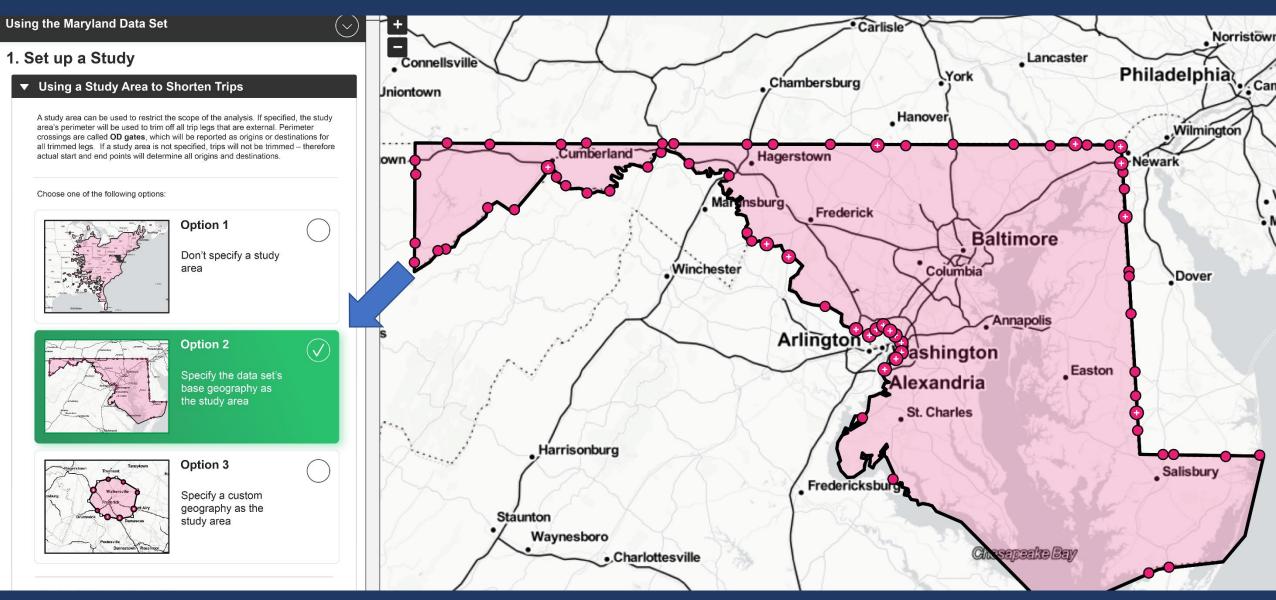


3 options for setting up origins and destinations: Option 1 - Don't specify a study area



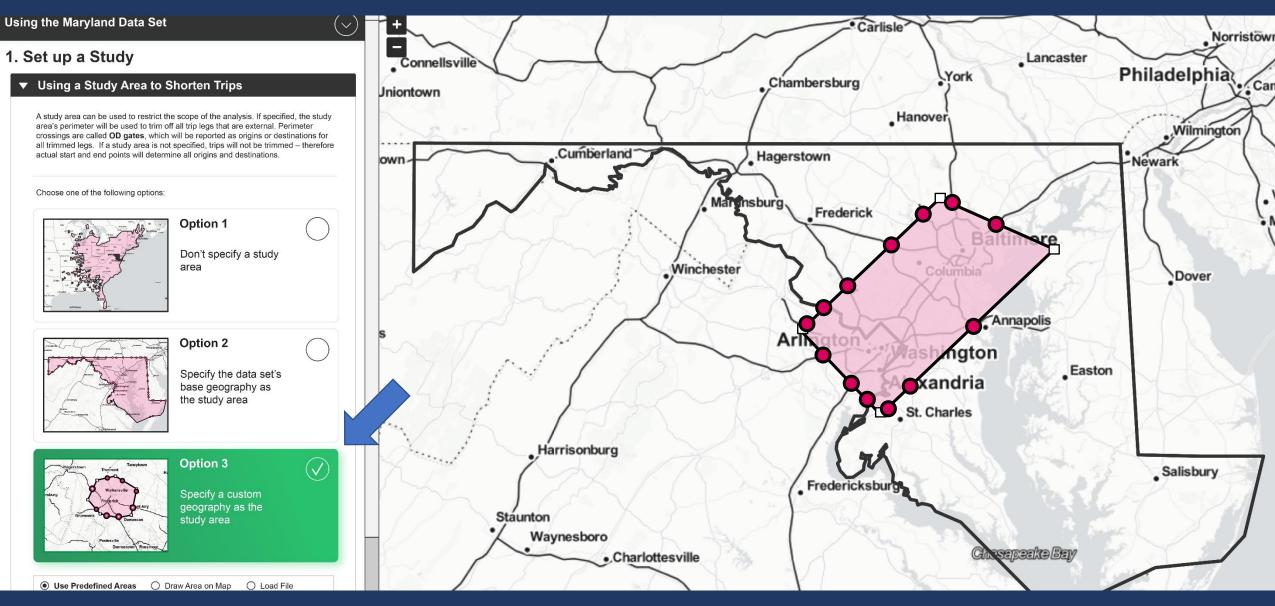
If a study area is not named, all of map space is regarded as the study area, and zones will define all origins and destinations

Option 2 – Use the data set's base geography as the study area



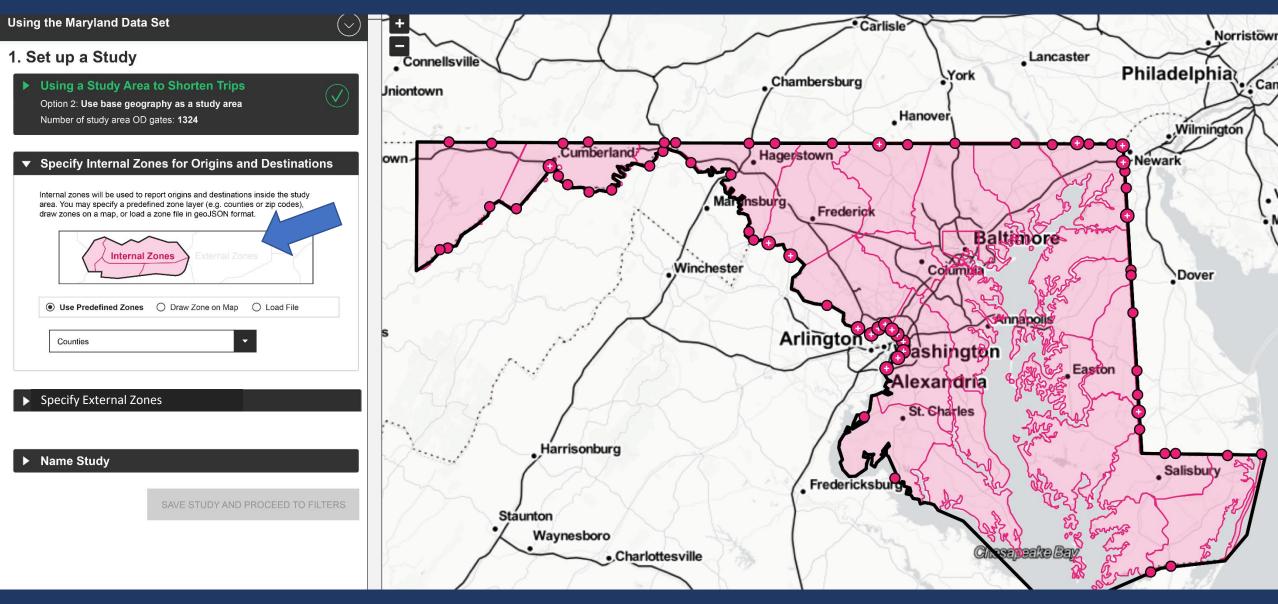
A specified study area divides map space into internal and external regions; external legs are trimmed off, and the trimmed locations (red/pink dots called OD gates) are reported as origins or destinations for those legs.

Option 3 – Specify, load or create a custom study area



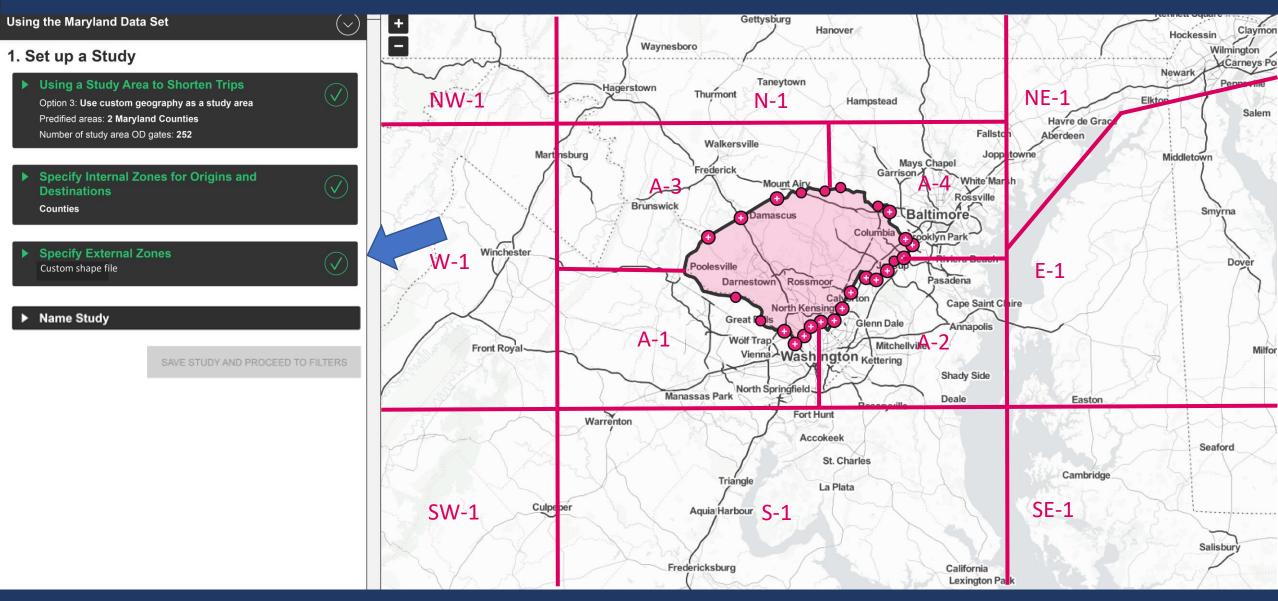
A specified study area divides map space into internal and external regions; external legs are trimmed off, and the trimmed locations (red/pink dots called OD gates) are reported as origins or destinations.

Choosing a zone layer for reporting untrimmed or internal origins and destinations



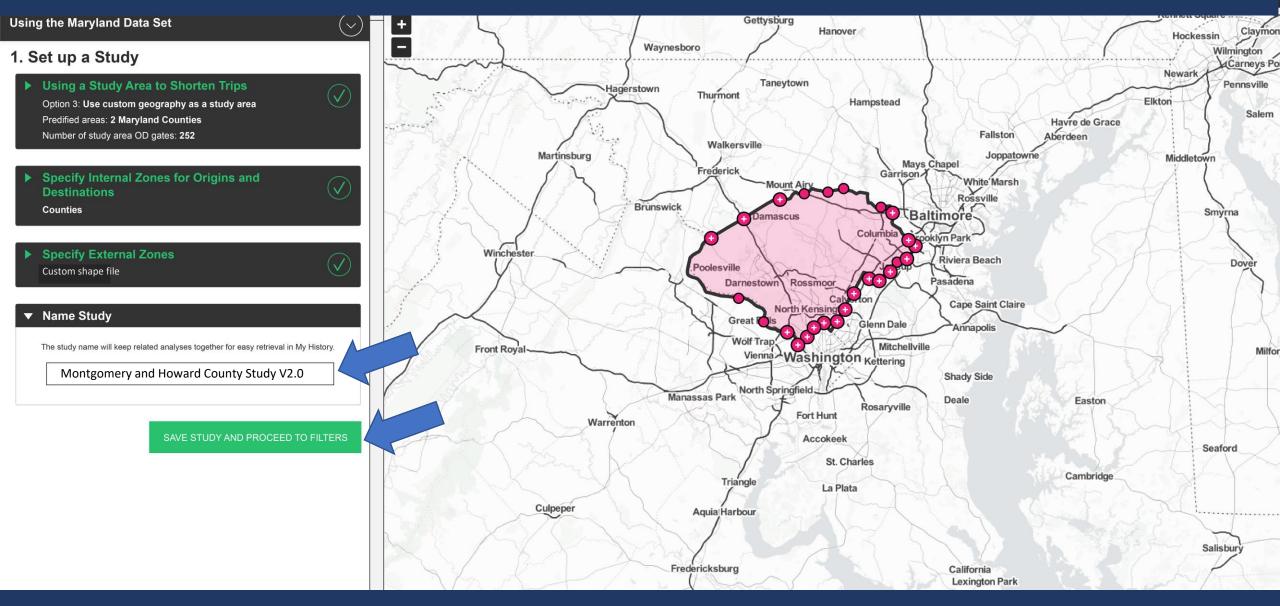
The internal zone layer will define origins and destinations of all trip legs that have not been trimmed off.

Choosing an external zone layer for optional analysis of external origins or destinations (switch on/off as needed)



By specifying an external zone layer, user will have the option later to view external origins and destinations (toggle on/off)

Naming and saving the study to complete set-up



After naming and saving the study structure, user may proceed to setting trip filters and submitting queries



Agency Input Session





We want to hear from you!

- All features and functionality are driven by state/mpo users.
- You are welcome to join any of our User Groups / Working Groups / Listening Sessions to brainstorm/define these new features and functionality.
- You can also type your comments to us today either in the chat box below, or with an email to support@ritis.org



Wrap Up





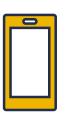
Matt Glasser

Assistant State Traffic Engineer, Georgia DOT RITIS User Group Co-chair

Questions?







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		$(\cdot - \cdot -)$

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Thank you!



