CATT LABORATORY

RITIS User Group

Web Meeting | July 28, 2022

In collaboration with THE EASTERN TRANSPORTATION COALITION

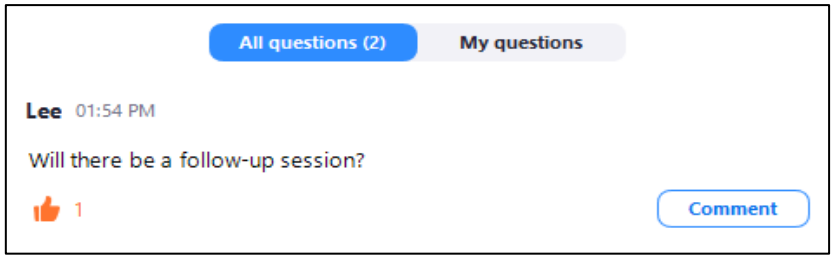
Welcome!

- 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 email (ekleit@kmjinc.com)
- The **Chatbox** is not available to participants. Please use the **Q&A box** for questions to the presenters

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

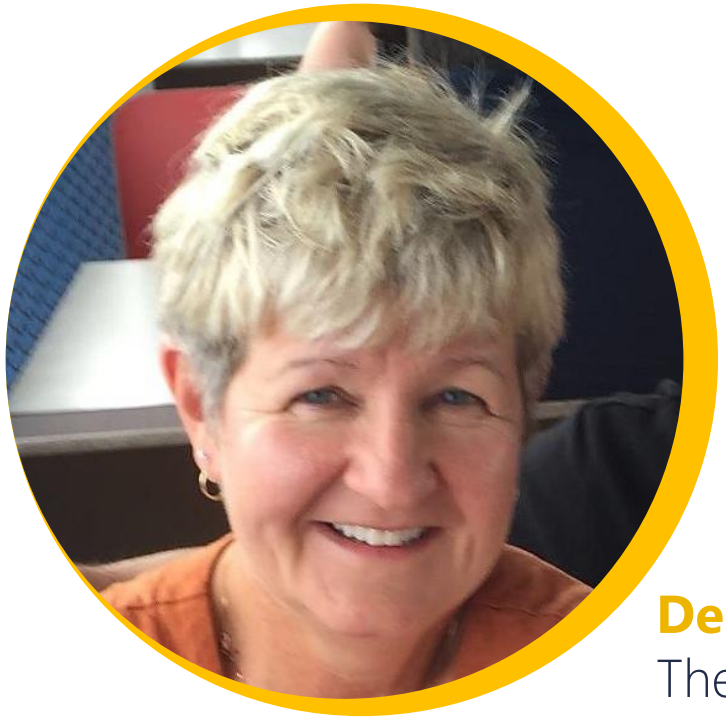


Asking Questions Verbally

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

- Please give your name and agency before asking your question
- **Please mute yourself when you are finished speaking**

Coalition Update



THE EASTERN TRANSPORTATION COALITION

Denise Markow
The Eastern Transportation Coalition
TSMO Director

Coalition Update - Data Events

RECENT

- ✓ **Making Sense of CAV Data Webinar** - April 28, 2022
- ✓ **RITIS Product Enhancement Working Group Web Meeting** - May 12, 2022
- ✓ **FY2023 Strategic Planning Meetings** - April - June, 2022 – Work Plan is on the website!
- ✓ **RITIS Performance Measures Reporting Working Group Meeting** - June 28, 2022
- ✓ **Freight Data & Planning Working Group Meeting** - June 29, 2022

UPCOMING

- ➢ **Google Maps Working Group – 3rd Party Navigation Data Meeting** - August 9, 2022
- ➢ **Transportation Data Marketplace: Waypoint Vendor Forum** - August 31, 2022
- ➢ **Transportation Data Marketplace: OD Vendor Forum** - September 14, 2022 *(to be confirmed)*
- ➢ **Freight Data & Planning Working Group Meeting – Freight Data Vendor Forum** - September 21, 2022
- ➢ **TDM Technical Advisory Meeting** - October 11, 2022
- ➢ **RITIS User Group Web Meeting** - October 20, 2022

Transportation Data Marketplace Update

- The new **Transportation Data Marketplace** is now live! (as of July 1st)
  - 6 Data Sets: Travel Time & Speed, Volume, Conflation, Origin Destination, Waypoint, and Freight
  - Vendor Forums (for agency members)
    - TDM: Waypoint Vendor Forum - August 31, 2022
    - TDM: OD Vendor Forum - September 14, 2022 *(date to be confirmed)*
    - TDM: Freight Data Vendor Forum - September 21, 2022 (*for Freight Data & Planning Working Group*)
    - Transportation Data Marketplace: Analytics & Volume Vendor Forums – 2023 – stay tuned
  - New Automated DUA process

Welcome & Introductions

Jesse Buerk
Manager, Office of Capital Programs
DVRPC
RITIS User Group Co-chair

Today's Meeting

Welcome and Introductions	Denise Markow, TETC Jesse Buerk, DVRPC
GDOT's Use of RITIS for Safety Purposes: A Case Study	Sam Harris, Georgia DOT
Freight Rerouting For An 4-hour Closure Of I-95 In Baltimore	Michael Pack, UMD CATT Lab
PDA Suite Performance Measures Working Group Update	Rick Ayers, UMD CATT Lab
RITIS Product Enhancement Working Group Update	Michael Pack, UMD CATT Lab
New RITIS Tools and Recent Enhancements	Michael Pack
Agency Input Session	All
Wrap Up and Remaining Questions	Jesse Buerk

Today's Speakers

Michael Pack
UMD CATT Lab
Director

Sam Harris
Georgia DOT
State Safety Program Manager

Rick Ayers
UMD CATT Lab
Public Sector Advocate

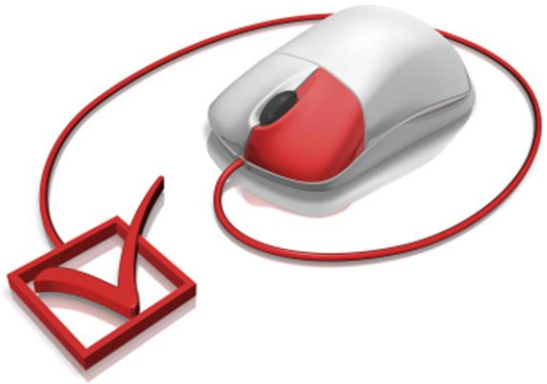
Meeting Participants

Agencies								
AASHTO	Chattanooga TPO	Clayton County DOT	Georgia DOT	Macomb Country Department of Roads	MWCOG	Ohio DOT	Savannah MPC	Vermont AOT
Anne Arundel County Office of Emergency Mgmt	City of Atlanta, GA	Colorado DOT	Georgia Environmental Protection Division	Maricopa Association of Governments	MWVCOG	Old Colony Planning Council	SJTPO	Virginia DOT
Arcadis	City of Bend, OR	Connecticut DOT	Georgia Tech	Maryland Department of Energy	NCTCOG	Oregon DOT	Southern Georgia Regional Commission	Virginia Office of Intermodal Planning and Investment
Arizona DOT	City of Charlotte, NC	Corpus Christi MPO	Henry County, GA	Maryland DOT-SHA	New Jersey DOT	Pennsylvania DOT	Southwestern Pennsylvania Commission	Westwood Professional Services
Arkansas DOT	City of Concord, NC	CPCS	Illinois DOT	Maryland Transportation Authority	New Jersey Sports & Exposition Authority	Pennsylvania Turnpike Commission	Tennessee DOT	Wisconsin DOT
Atlanta Regional Commission	City of Eugene, OR	District DOT	INRIX	Massachusetts DOT	New Mexico DOT	PlanRVA	Texas A&M Transportation Institute	WRA
AutoReturn	City of Gastonia, NC	DVRPC	Jacobs Engineering Group, Inc	Mead & Hunt	New York City DOT	PVPC	Texas DOT	WSP
Baltimore Metropolitan Council	City of Lexington, KY	Fair Fax County DOT	Kentuckiana Regional Planning & Development Agency	Miami-Dale MPO	NJTPA	RTC of Southern Nevada	The University of Texas at Austin	
Capital Region Planning Commission	City of Sandy Springs, GA	Federal Highway Administration	Kentucky Transportation Cabinet	Michael Baker International	North Carolina DOT	Renaissance Planning Group	University of Maryland CATT Lab	
Charlotte DOT	City of The Dalles, OR	Florida DOT	Knoxville TPO	Michigan DOT	North Carolina State University	Rhode Island Division of Statewide Planning	University of Virginia	
Chatham County - Savannah Metro Planning Commission	City of Woodstock, GA	Gannett Fleming	Louisiana DOTD	Modern Mobility Partners	Northern Virginia Transportation Authority	San Diego Association of Governments (SANDAG)	Vectura Consulting Services	

Poll 1: How often do you attend RITIS User Group Web Meetings?

Answer Options:

a. 1-2 times per year
b. 3-4 times per year
c. This is my first meeting



Georgia DOT's use of RITIS for Safety Purposes

Sam Harris

State Safety Program Manager

Georgia DOT

GDOT
Georgia Department of Transportation

GDOT's Use of RITIS for Safety Purposes: A Case Study

Samuel Harris, PE

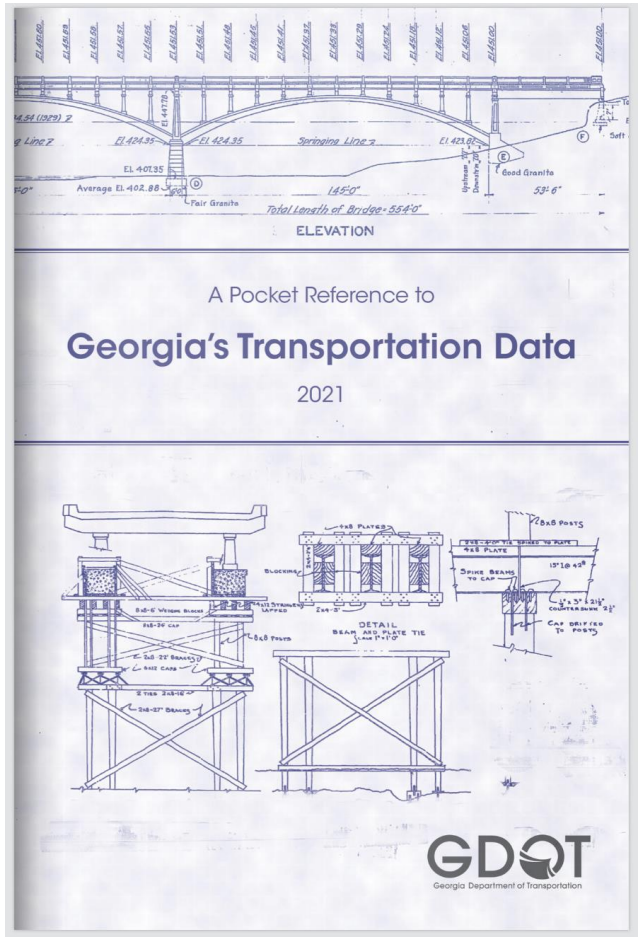
State Safety Engineering Manager

July 28th, 2022

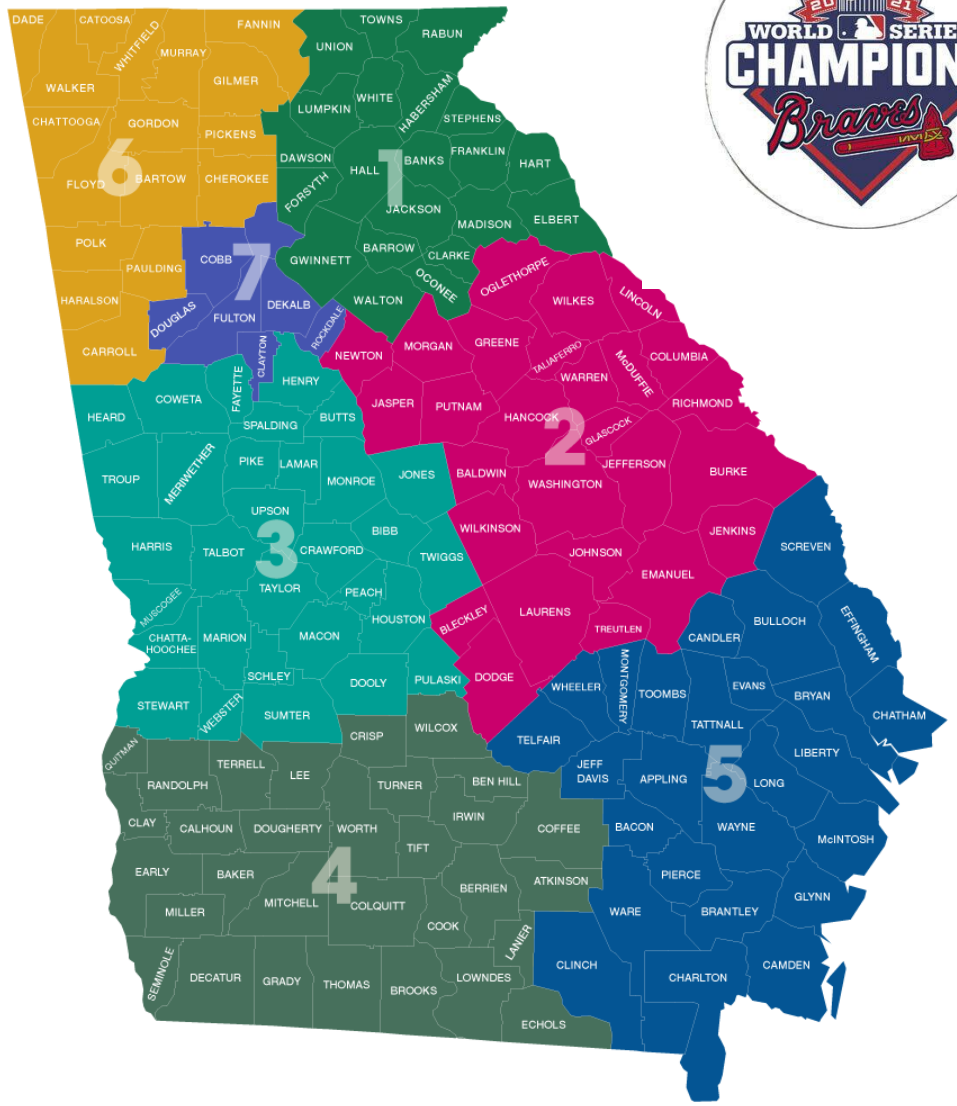
Three Takeaways

1. What is the GDOT Safety Program?
2. Congestion scans be used to justify safety projects
3. High-level data analysis can be used to program projects

Agency Overview



- 159 Counties (Only behind Texas)
- Average of 400k crash per year
- 606 state routes (49K lane miles and 18% of total lane miles)
- Interstates comprise 3% of Georgia's lane miles and carry 26% of all traffic



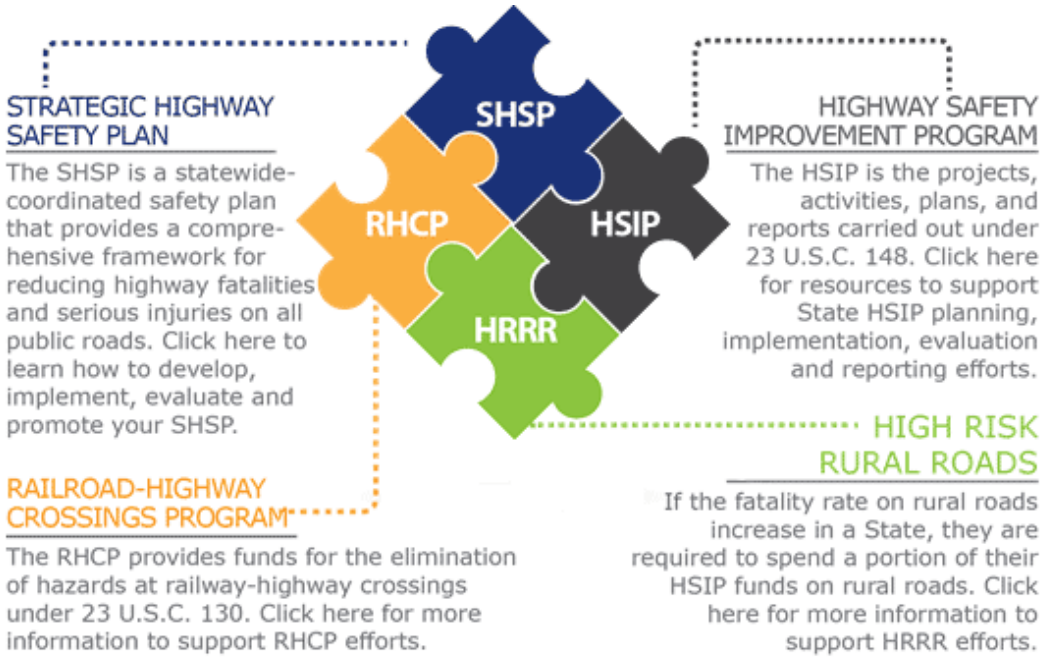
GDOT's Safety Program

Vision of the Program

- Reduce fatalities and injury crashes on Georgia roadways by using a safety data driven approach.

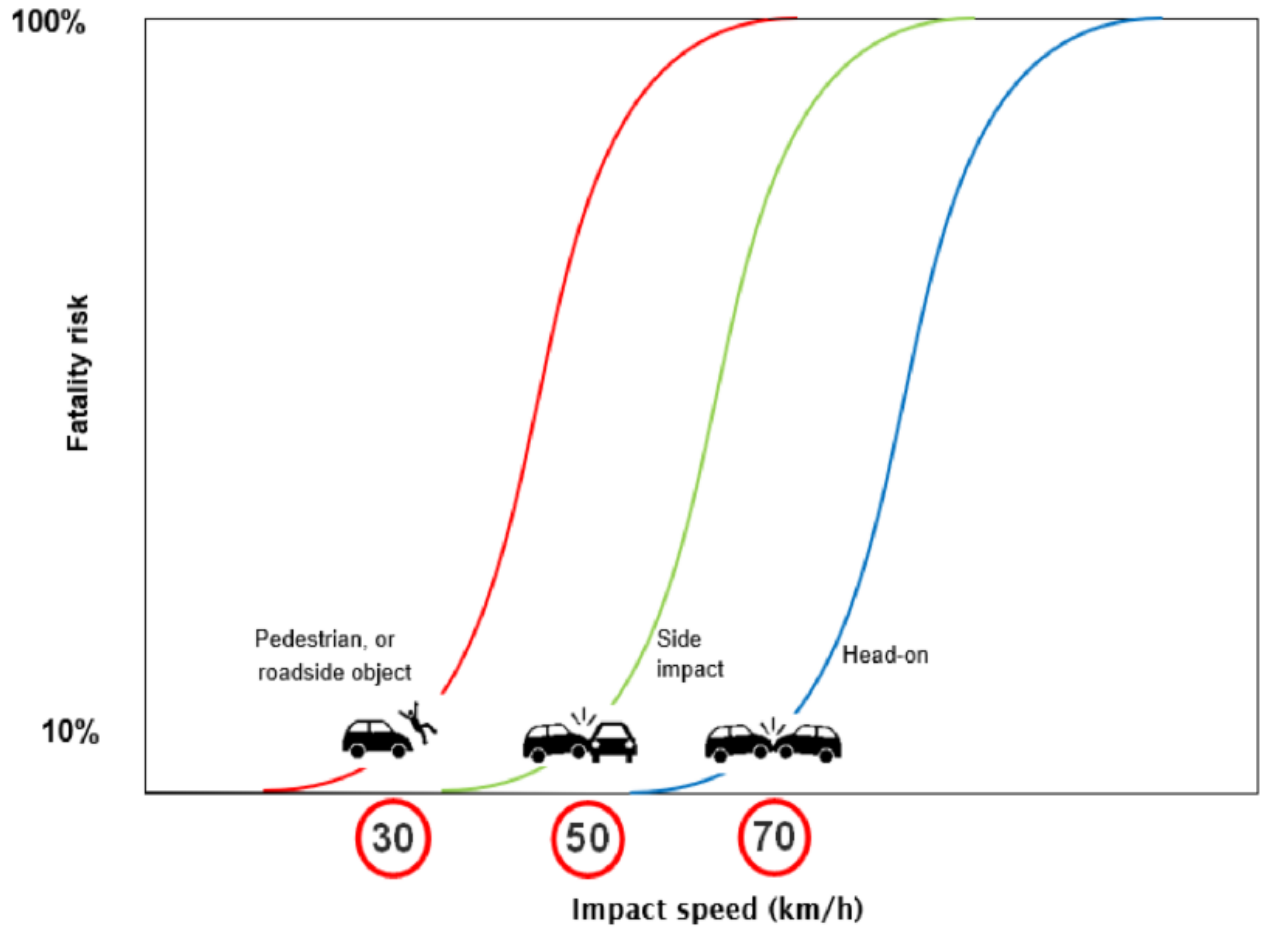
Objectives of the Program

- Reduce all roadway fatalities
- Reduce pedestrian and bicycle crashes
- Reduce roadway or lane departure crashes
- Reduce intersection crashes
- Reduce off-system crashes
- Reduce crashes on High Risk Rural Roads
- Align goals with stakeholders/partners and SHSP



KABCO (Crash Severity)

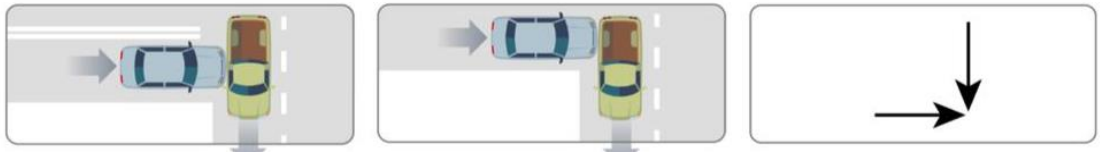
- K = Fatal Crash
- A = Serious Injury
- B = Minor Injury
- C = Complaint Injury
- O = Property Damage Only (PDO) or Non-injury

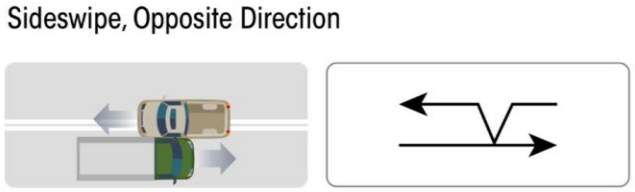


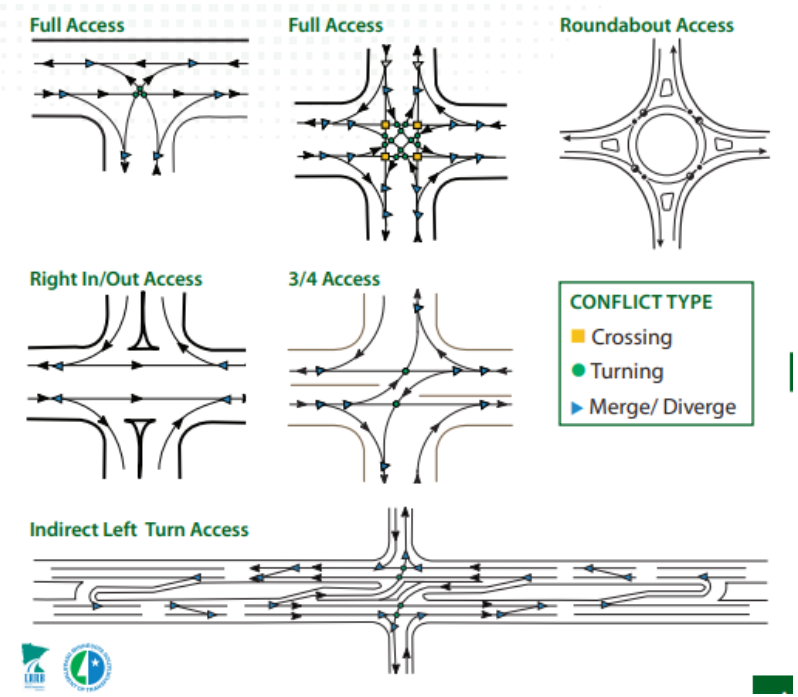
Source: Wramborg 2005 – Safe System Speeds

Manner of Collision

- Rear End
- Angle
  - Left Turn
  - Through
  - Right Turn
- Sideswipe Opposite Direction
- Sideswipe Same Direction
- Not a Collision With a Motor Vehicle
  - Pedestrian
  - Bicycle
  - Scooter
  - Animal
  - Roadway or lane departure
- Head On







Source: https://www.dot.state.mn.us/stateaid/trafficsafety/safety/intersection-treatments.pdf

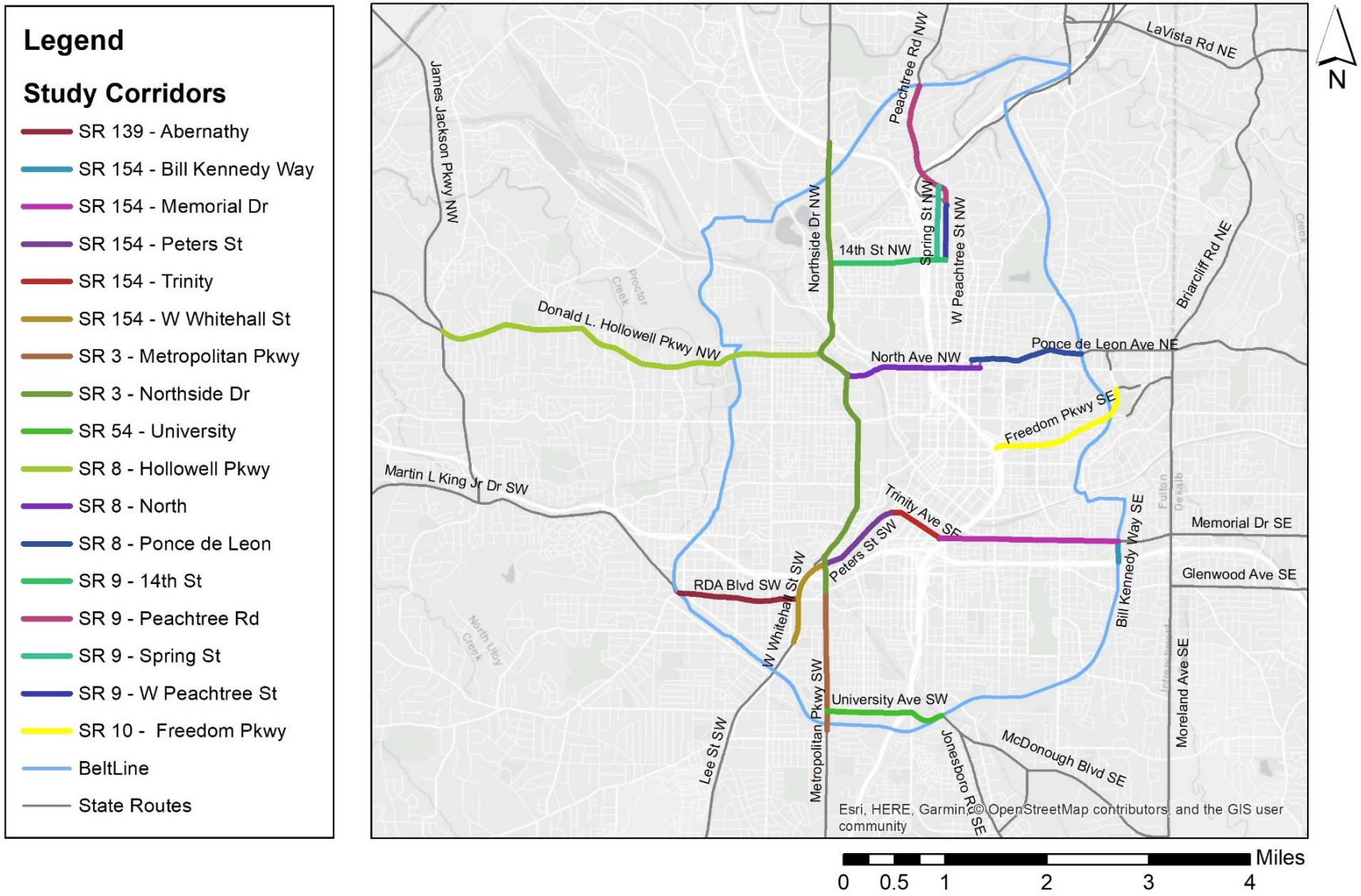
Intown Multimodal Safety Analysis

Need and Purpose of the Study

- Increasing number of requests from stakeholders for more dedicated infrastructure on state routes to serve pedestrians, cyclists, and transit within the Atlanta intown area.
- Need a high-level analysis of crash data, operational data, roadway characteristics, and existing transportation plans.
- Develop a prioritized list of opportunity areas for further planning and potential implementation of multimodal safety projects.

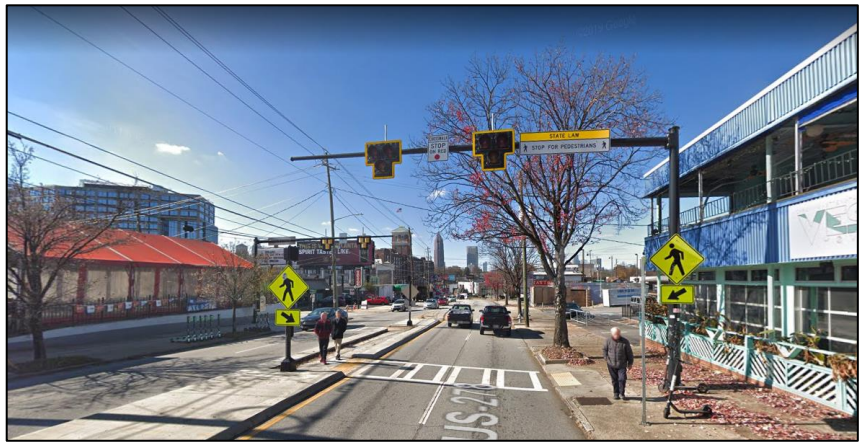
Methodology

Atlanta Intown Multimodal Safety Study Corridors



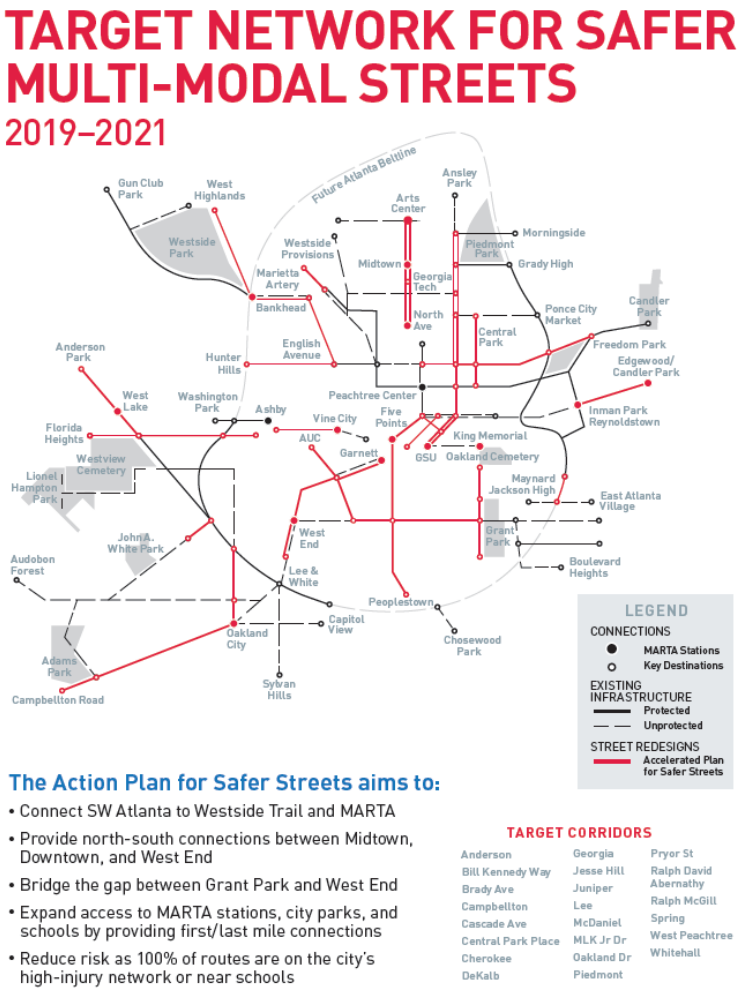
Design Considerations and Alternatives

- Buffered Bike Lane
- Bike Lane (No Buffer)
- Lighting
- Marked Shared Lane
- Median / Pedestrian Refuge & Crossing
- Road Diet
- Separated Cycle Track
- Side path
- Streetscape Elements
- Transit/HOV Lane



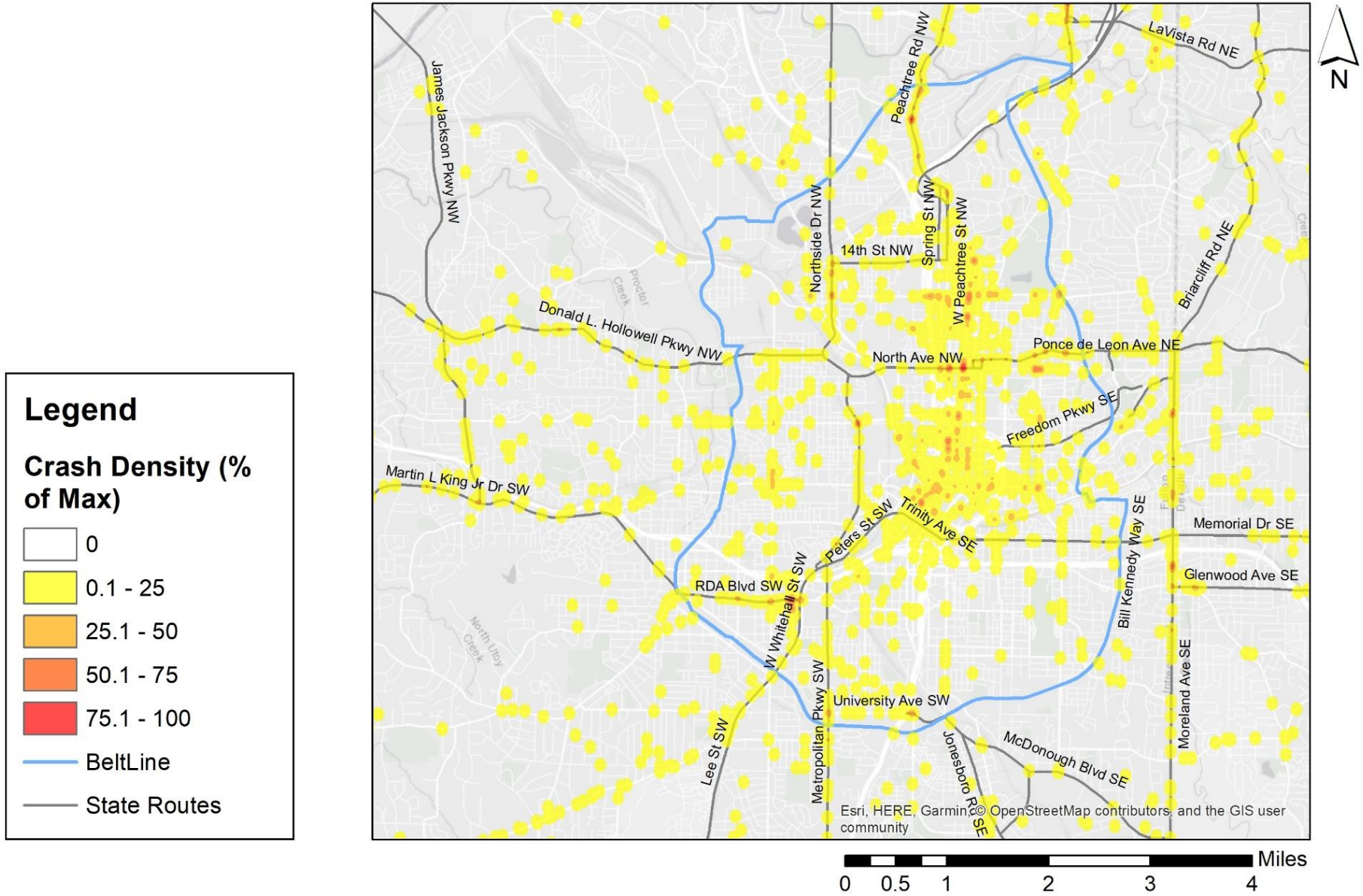
Studies and Plans Reviewed

- Atlanta Safer Street Plan
- Atlanta Regional Transportation Plan
- Atlanta Transportation Plan
- Beltline Master Plan
- Cycle Atlanta Plan 1.0 and 2.0
- Developments of Regional Impacts (DRIs)
- Downtown Master Plan
- Georgia Pedestrian Safety Action
- Georgia Bicycle Safety Action
- More MARTA Program
- Midtown Transportation Plan
- One Atlanta: Strategic Transportation Plan
- Plus more…..

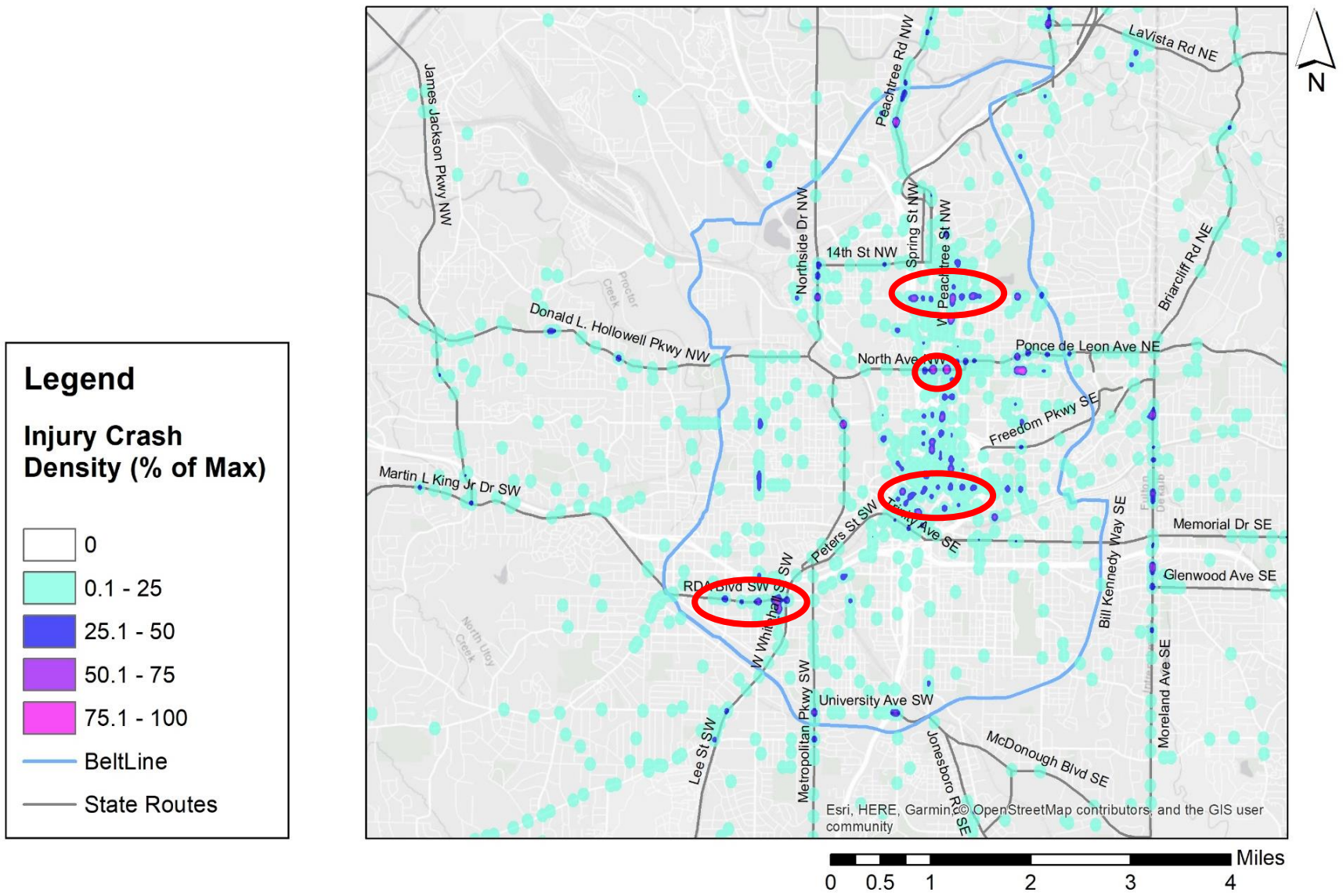


Pedestrian and Bicycle Crash Analysis

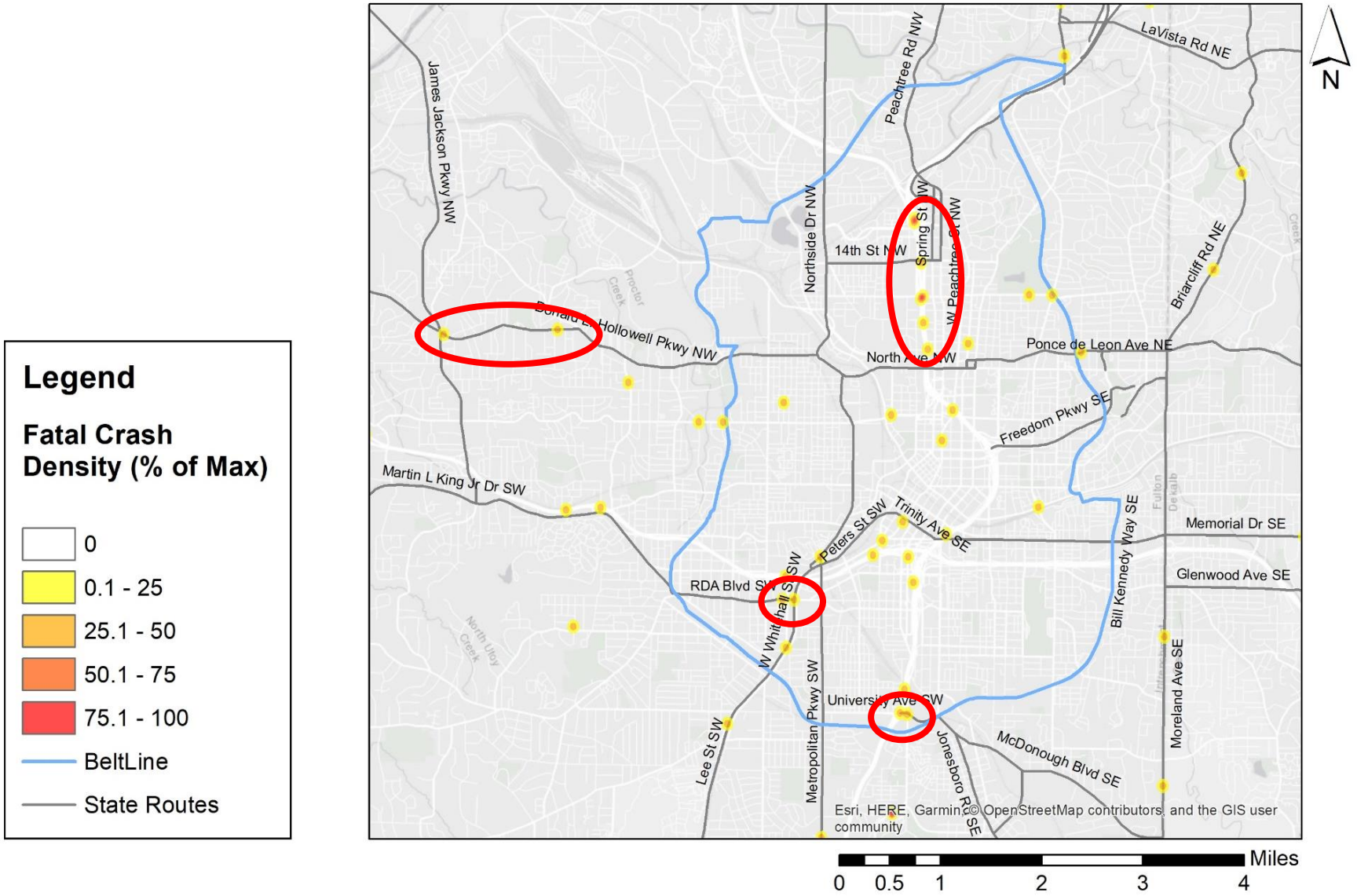
Pedestrian and Cyclist Crash Density 2014-2018



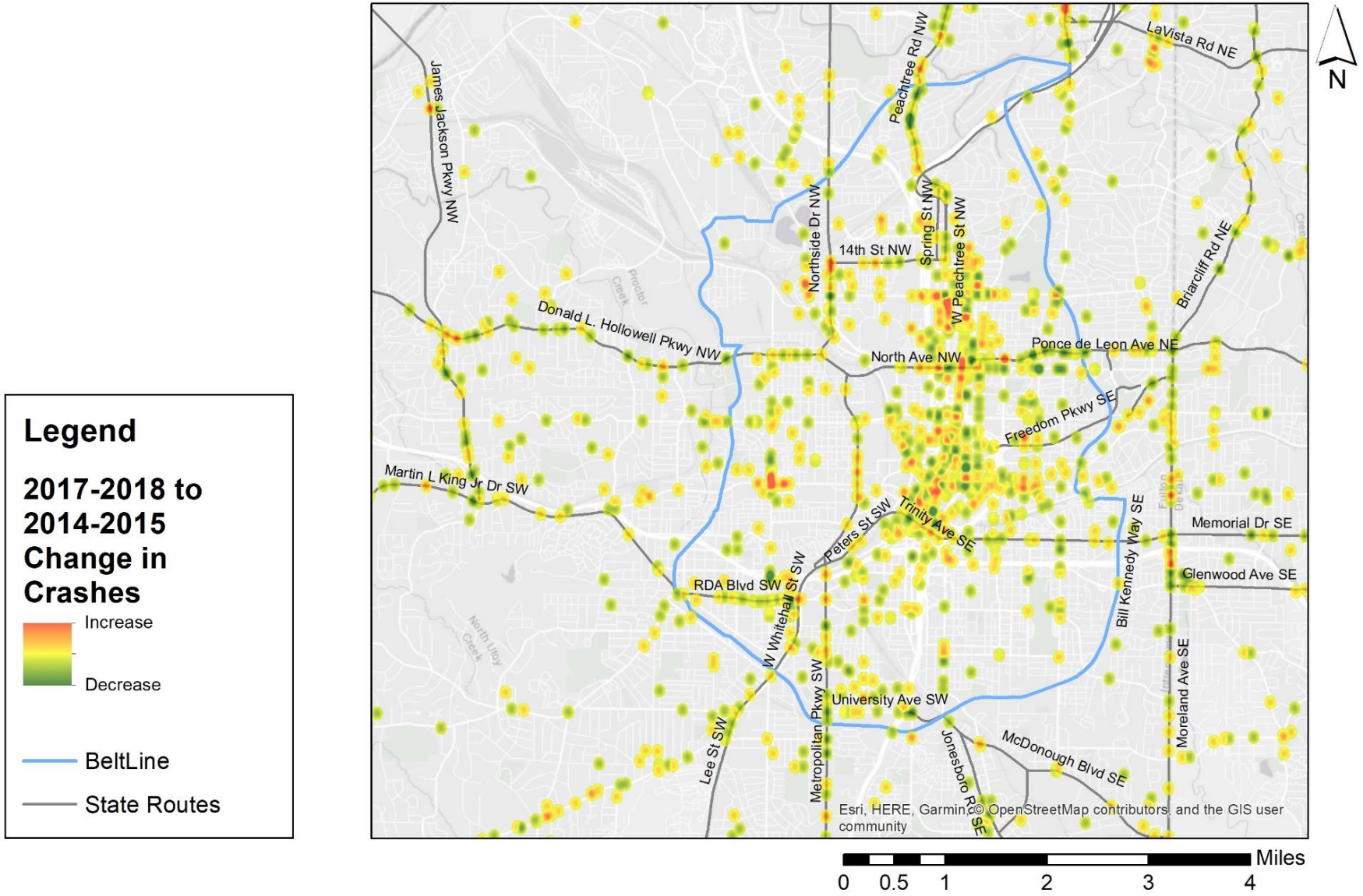
Pedestrian and Cyclist Injury Crash Density 2014-2018



Pedestrian and Cyclist Fatal Crash Density 2014-2018

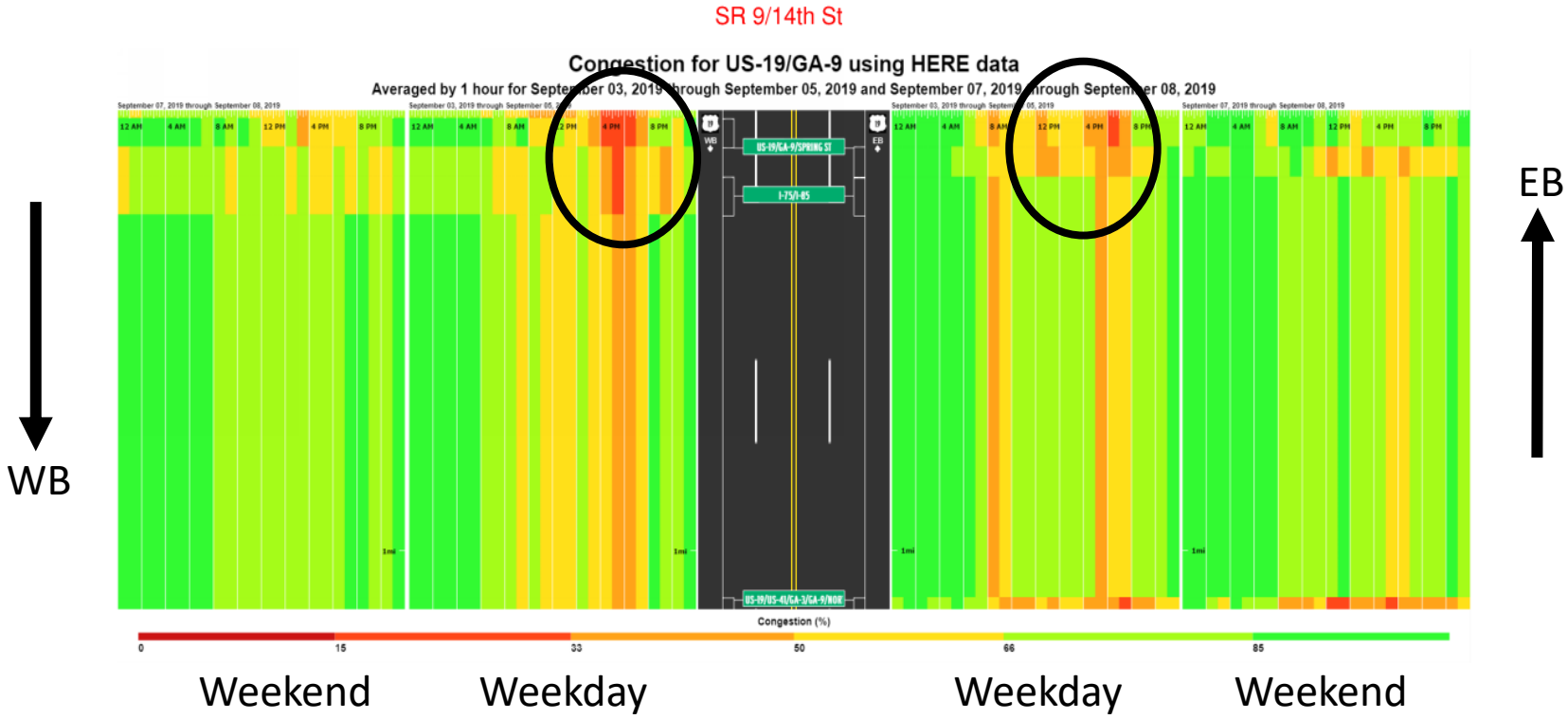


Pedestrian and Cyclist Crash Density Change from 2014-2015 to 2017-2018

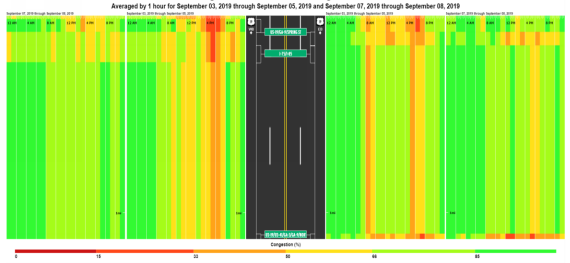


Operational Analysis

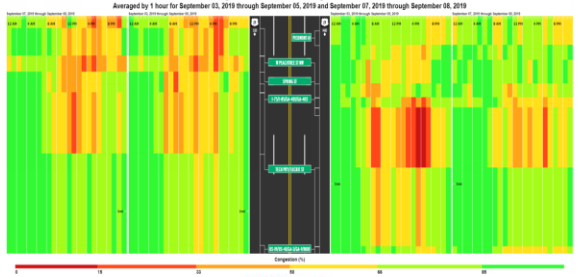
Congestion Scans



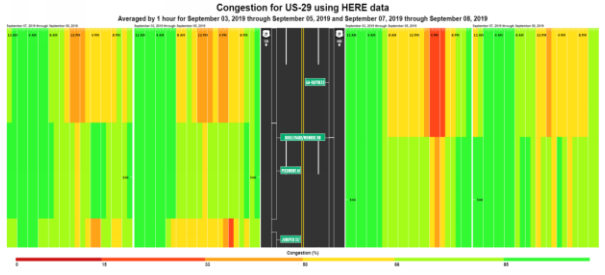
SR 9/14th St



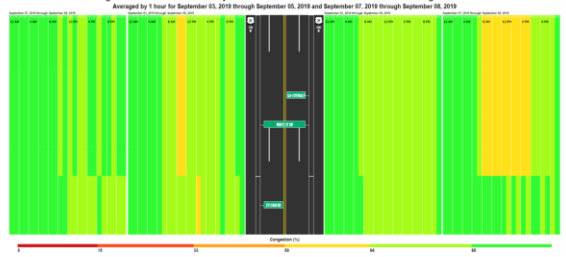
SR 8/North Ave



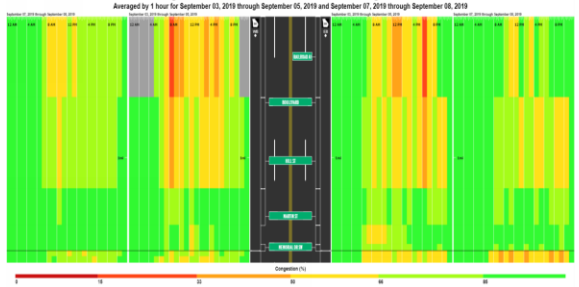
SR 8/Ponce De Leon



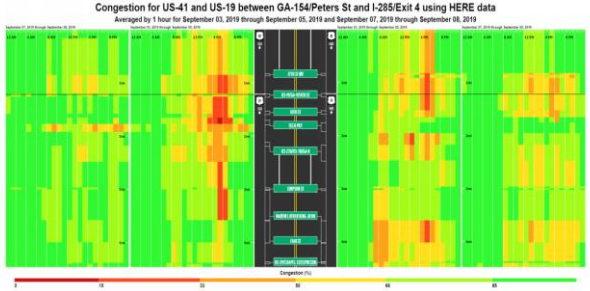
SR 14 Lee St



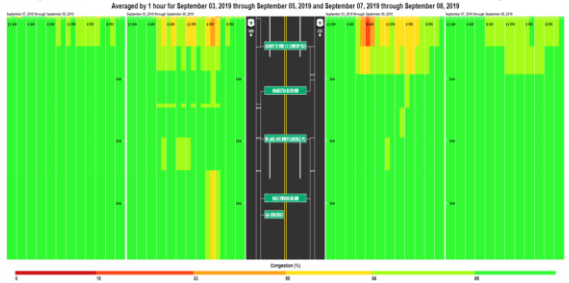
SR 154/Memorial Dr



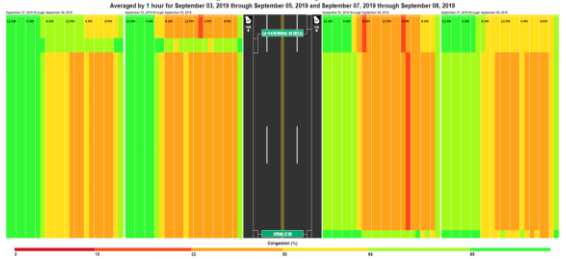
SR 3/Northside Dr

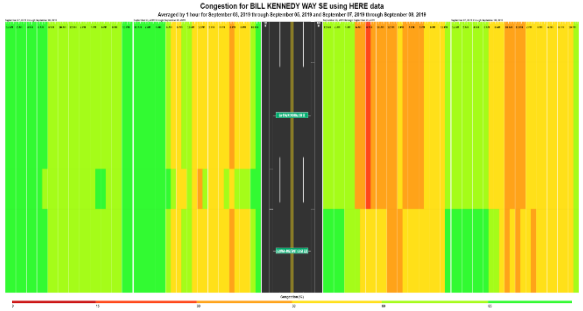


SR 8/Donald Lee Hollowell Pkwy

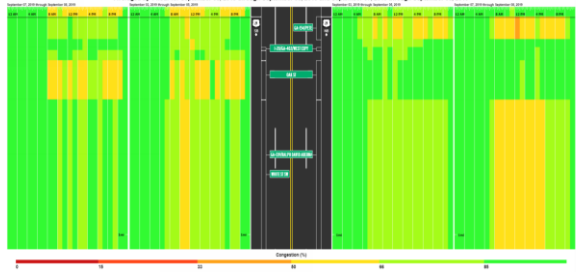


SR 154/Trinity Ave

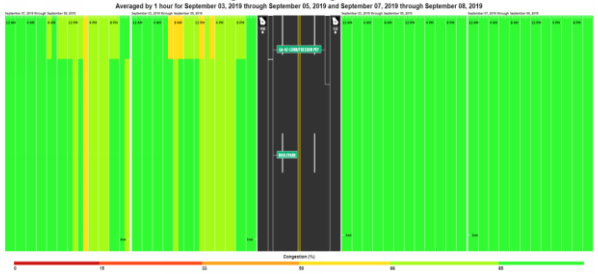




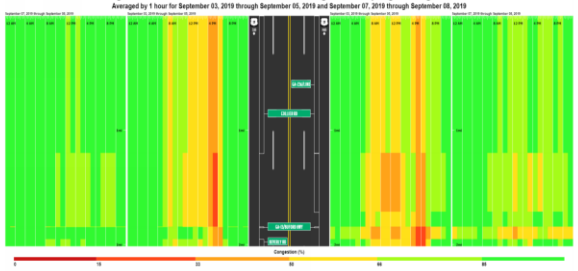
SR 139/West Whitehall St



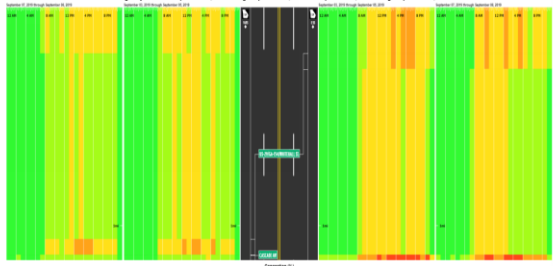
SR 10/Freedom Pkwy



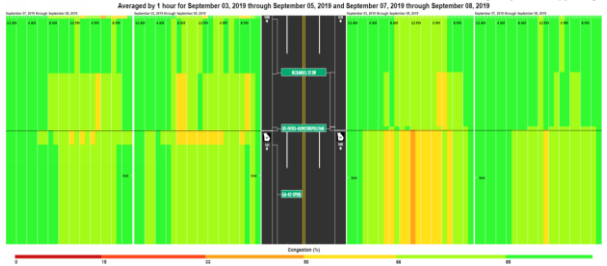
SR 9/Peachtree St



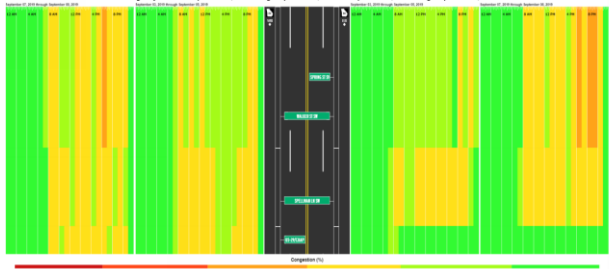
SR 139/Ralph David Abernathy Blvd



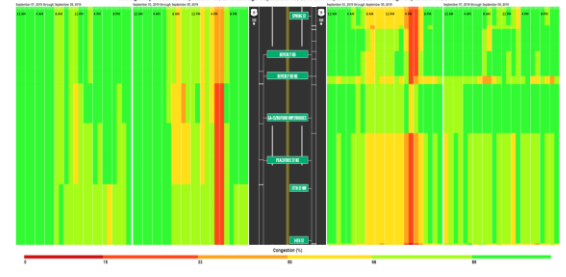
SR 42/University Ave



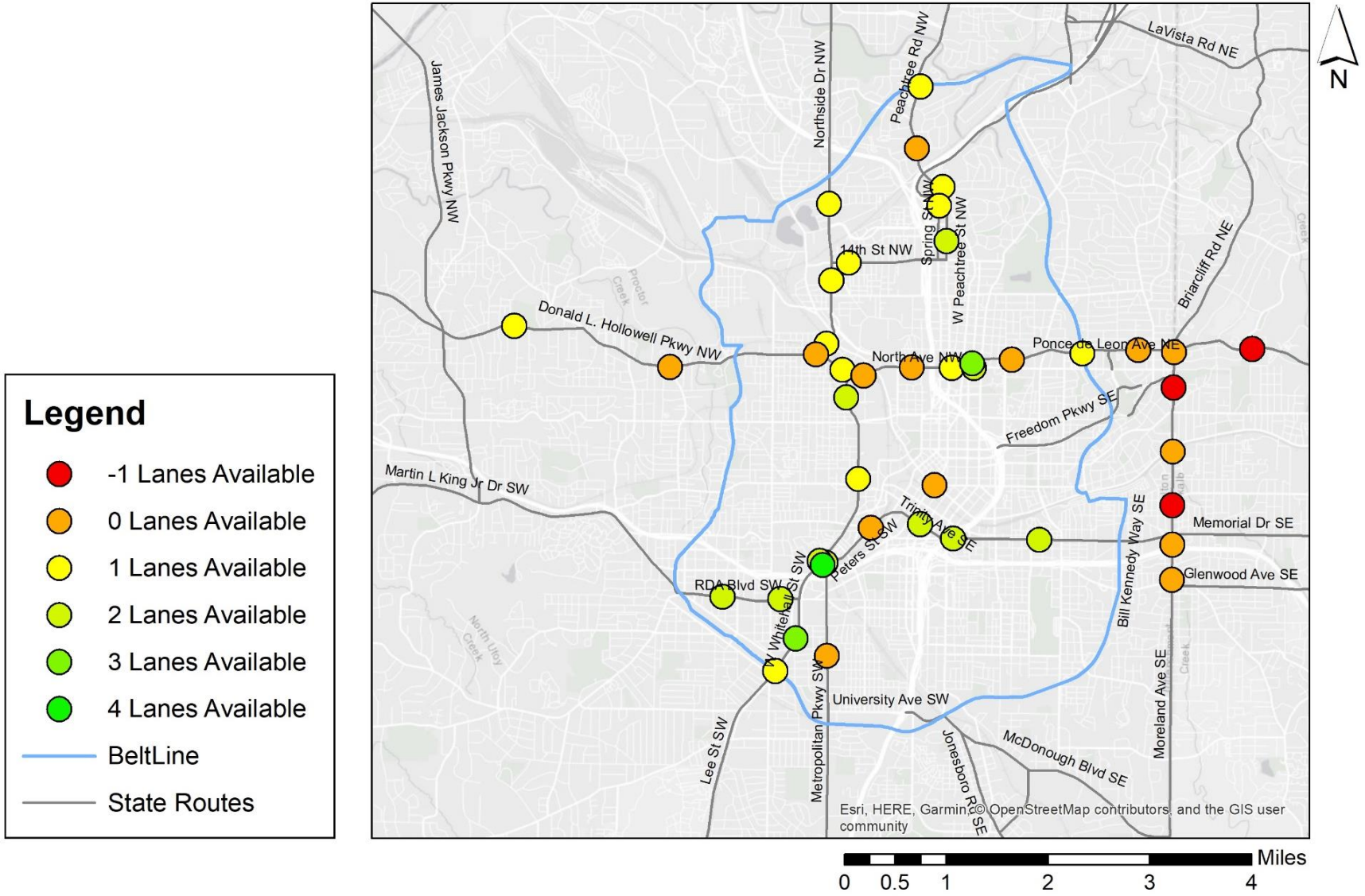
SR 14/Peters St



SR 9/West Peachtree St

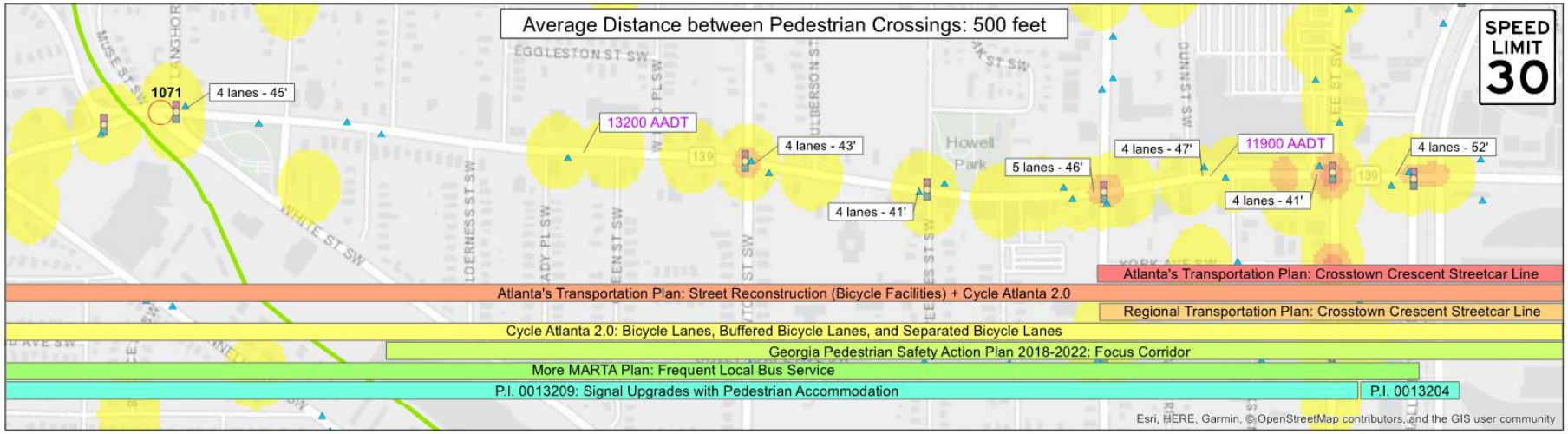


Atlanta Intown Multimodal Safety Study Corridor Lane Call (2018)



Corridor Profiles

SR 139 / Ralph D. Abernathy Blvd from the Atlanta BeltLine Westside Trail to SR 154 / W. Whitehall St



Pedestrian and Cyclist Crash Summary 2014-2018:
- 46 Pedestrian Crashes
- 3 Bicycle Crashes
- 34 Injury Crashes
- 2 Fatal Crashes
- 43 Crashes per Mile

Plans Including Corridor:
- Atlanta's Transportation Plan (Bicycle, Transit, Streetscaping)
- Atlanta Regional Transportation Plan (Transit)
- Cycle Atlanta 2.0
- Georgia Pedestrian Safety Action Plan
- More MARTA Plan

GDOT Projects in Corridor:
- 0013204 SR 3 Conn; SR 14; SR 139 & SR 154 @ 10 Locs in Fulton County Signal Upgrades
- 0013209 I-20 @ 1 Loc & SR 139 @ 8 Locs in Fulton County Signal Upgrades (under construction)

Miles
0 0.025 0.05 0.1 0.15 0.2

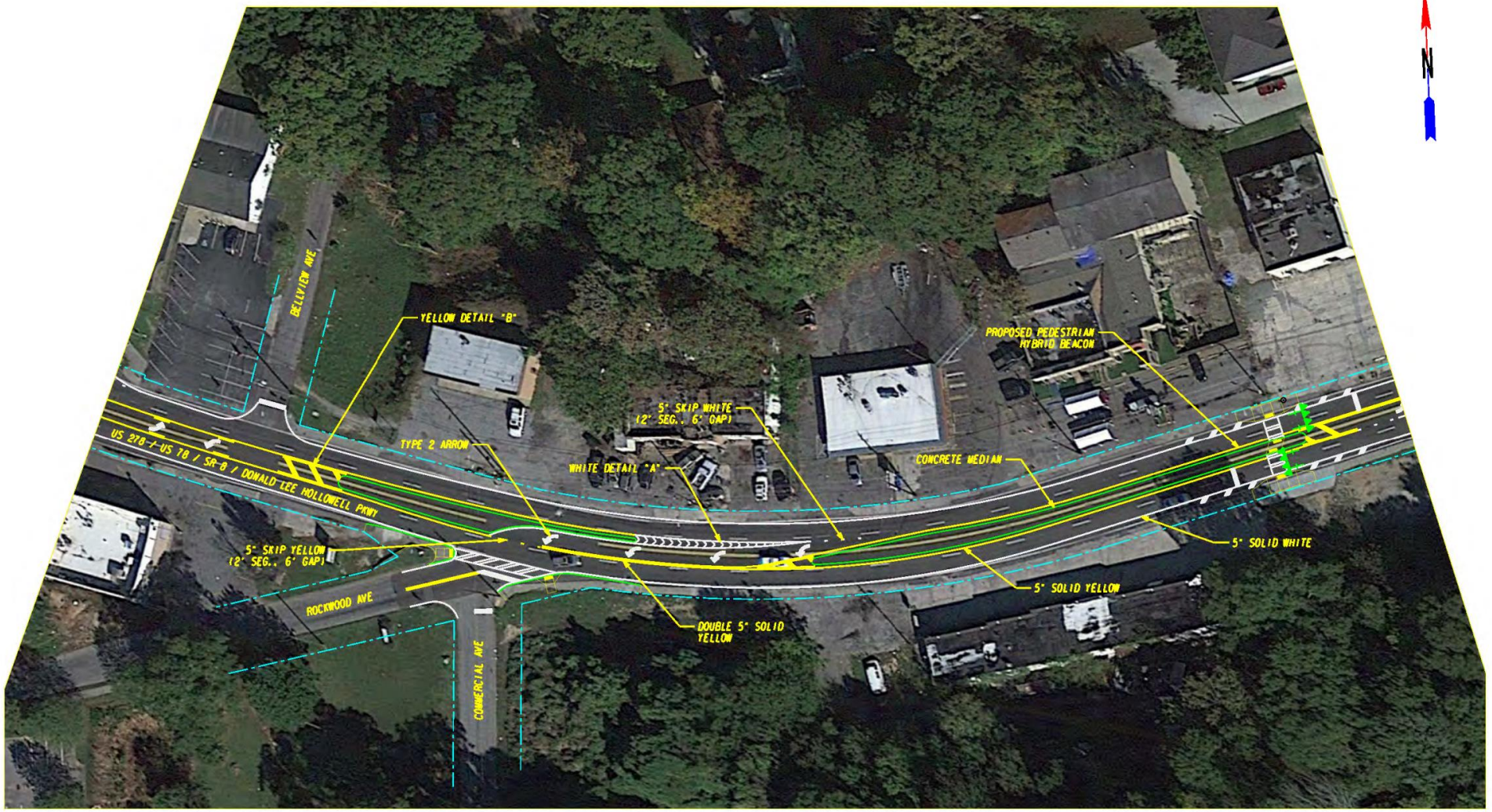
Transit Stops
PHB
Pedestrian Flasher
Traffic Signal
Intersection Projects
DRI
BeltLine

Ped/Bike Crash Density as % of Max
0
0.1 - 25
25.1 - 50
50.1 - 75
75.1 - 100

Alternative Analysis

Corridor	Cycle Track	Side Path	Bike Lane + Buffer	Bike Lane	Marked Shared Lane	Median / Ped Refuge	Road Diet	Transit / HOV Lane
SR 9 / 14th St (SR 3 to Techwood Dr)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Continue Study	Could be Considered
SR 154 / Memorial Dr (Grant St to Pearl St)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Continue Study	Could be Considered
SR 8 / North Ave (SR 3 to Tech Pkwy)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered
SR 14 / SR 154 / Peters St (SR 3 to Walker St)	Could be Considered	Could be Considered	Continue Study	Could be Considered	Could be Considered	Could be Considered	Continue Study	Could be Considered
SR 14 / SR 154 / W. Whitehall St (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Continue Study	Could be Considered
SR 139 / R. D. Abernathy Blvd (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Not Recommended	Could be Considered	Continue Study	Not Recommended
SR 9 / Spring St (Entire Study Limits)	Could be Considered	Could be Considered	Continue Study	Could be Considered	Not Recommended	Not Recommended	Continue Study	Could be Considered
SR 10 / Freedom Pkwy (Entire Study Limits)	Not Recommended	Already Existing	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended
SR 3 / Metropolitan Pkwy (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Not Recommended	Could be Considered	Could be Considered	Could be Considered
SR 42 / University Ave (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Not Recommended	Could be Considered	Continue Study	Not Recommended
SR 3 / Northside Dr (Chapel St to Wells St)	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Could be Considered	Could be Considered	Could be Considered
SR 8 / D. L. Hollowell Pkwy (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Continue Study	Continue Study	Could be Considered
SR 9 / W. Peachtree St (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Not Recommended	Not Recommended	Could be Considered	Could be Considered
SR 9 / Peachtree Rd (Entire Study Limits)	Not Recommended	Not Recommended	Could be Considered	Could be Considered	Not Recommended	Could be Considered	Partially Existing	Could be Considered
SR 154 / Trinity Ave (Entire Study Limits)	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Could be Considered	Not Recommended
SR 8 / Ponce de Leon Ave (Entire Study Limits)	Not Recommended	Not Recommended	Already Existing	Not Recommended	Not Recommended	Could be Considered	Already Existing	Not Recommended
SR 154 / Bill Kennedy Way (Entire Study Limits)	Not Recommended	Could be Considered	Could be Considered	Could be Considered	Already Existing	Not Recommended	Not Recommended	Not Recommended

Continue Study | Could be Considered | Not Recommended | Already Existing | Partially Existing



GDOT Georgia Department of Transportation

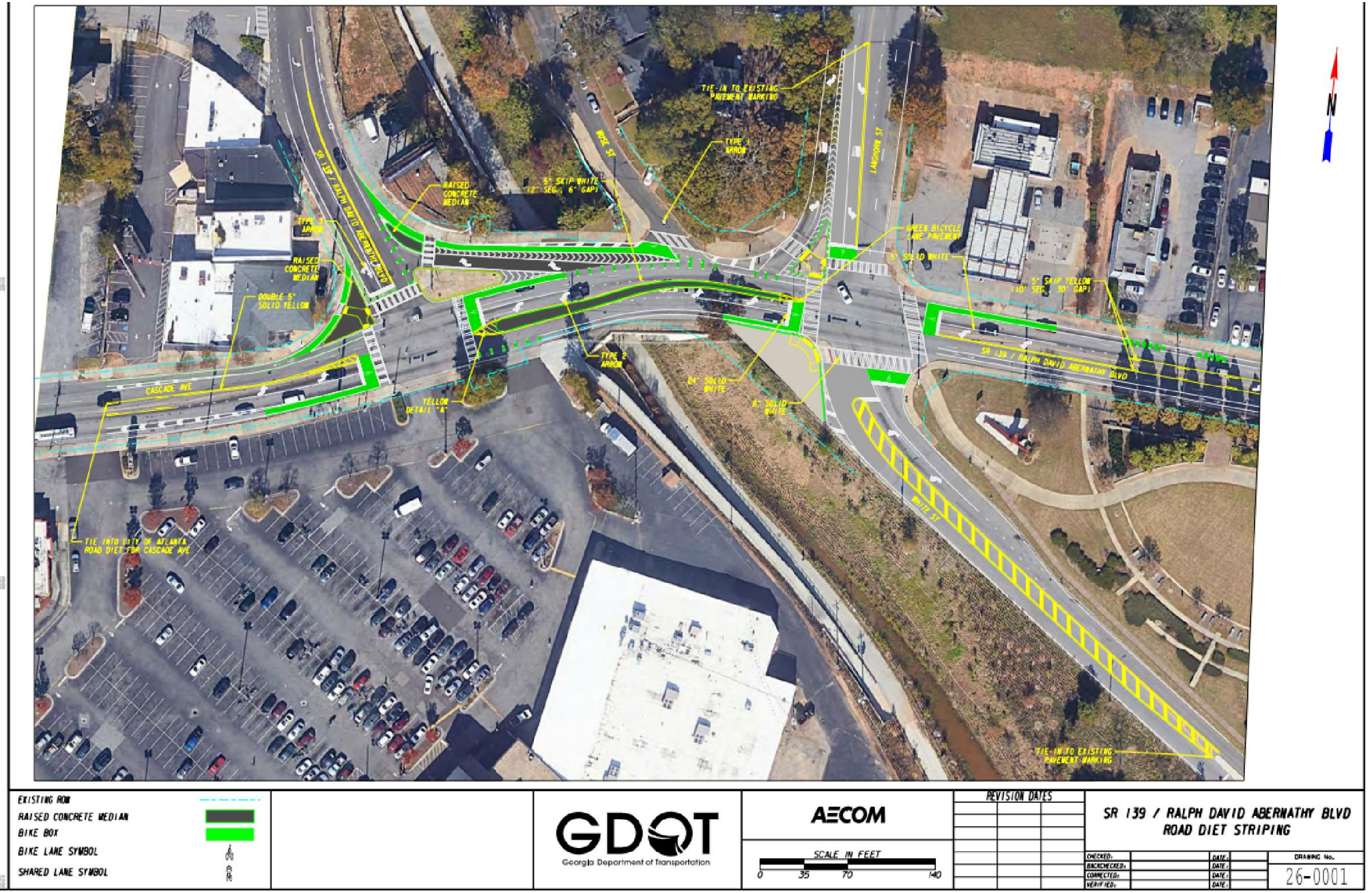
AECOM

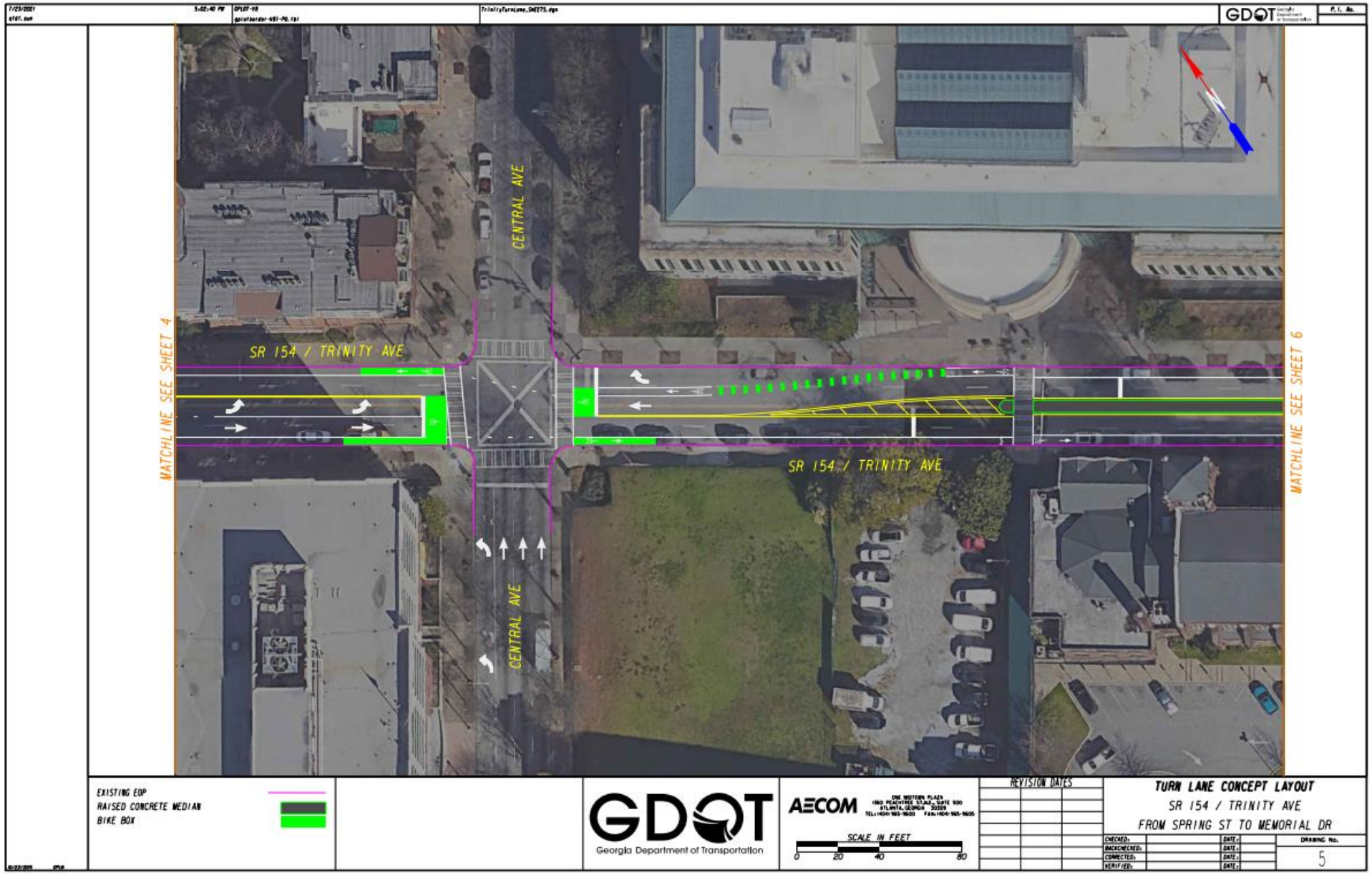
REVISION DATES

US 278 / US 78 / SR 8 / DONALD LEE HOLLOWELL PKWY ROAD DIET STRIPING

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

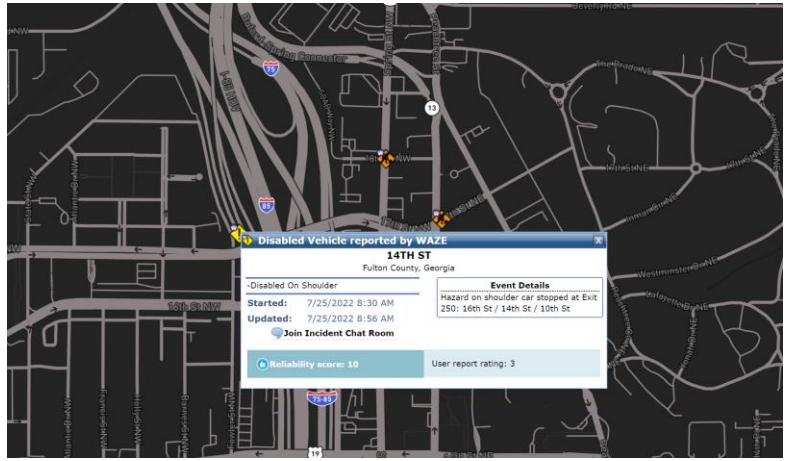
DRAWING No.
26-0002

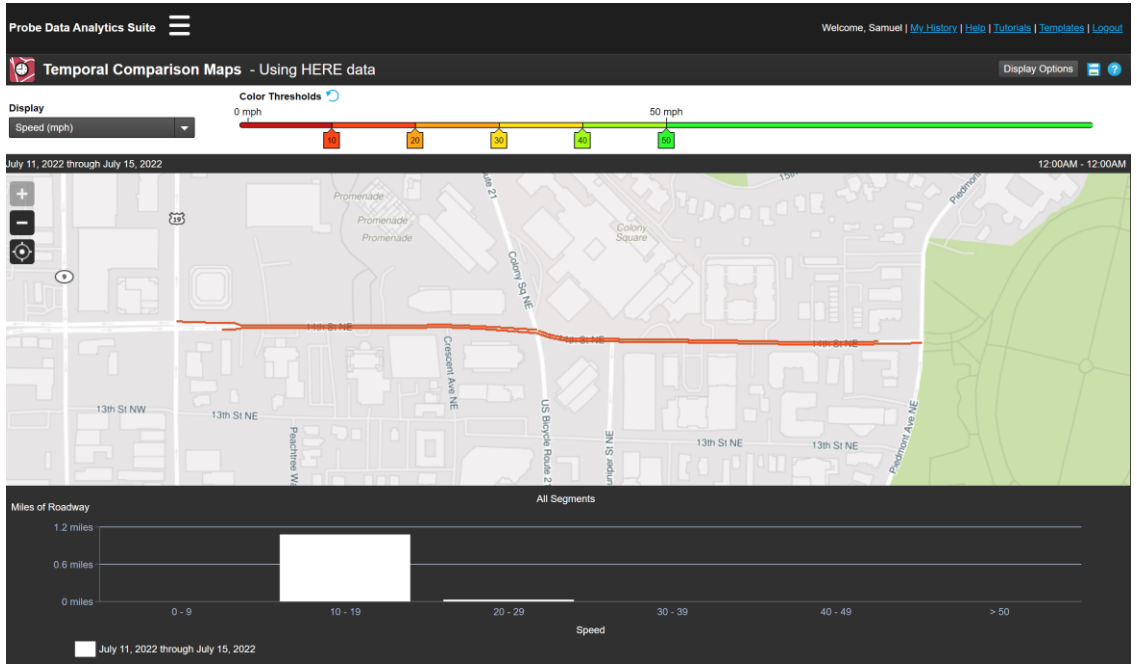

TIE-IN TO EXISTING PAVEMENT MARKING
TYPE 3 ARROW
WISE ST
LANGHORN ST
SR 139 / RALPH DAVID ABERNATHY BLVD
RAISED CONCRETE MEDIAN
5" SKIP WHITE (12' SEG., 6' GAP)
GREEN BICYCLE LANE PAVEMENT
5" SOLID WHITE
RAISED CONCRETE MEDIAN
DOUBLE 5" SOLID YELLOW
5" SKIP YELLOW (10' SEG., 30' GAP)
TYPE 2 ARROW
CASCADE AVE
24" SOLID WHITE
YELLOW DETAIL "A"
8" SOLID WHITE
WISE ST
TIE INTO CITY OF ATLANTA ROAD DIET FOR CASCADE AVE
TIE-IN TO EXISTING PAVEMENT MARKING
N
EXISTING ROW
RAISED CONCRETE MEDIAN
BIKE BOX
BIKE LANE SYMBOL
SHARED LANE SYMBOL
GDOT
Georgia Department of Transportation
AECOM
SCALE IN FEET
0 35 70 140
REVISION DATES
SR 139 / RALPH DAVID ABERNATHY BLVD
ROAD DIET STRIPING
CHECKED:
BACKCHECKED:
CORRECTED:
VERIFIED:
DATE:
DRAWING No.
26-0001

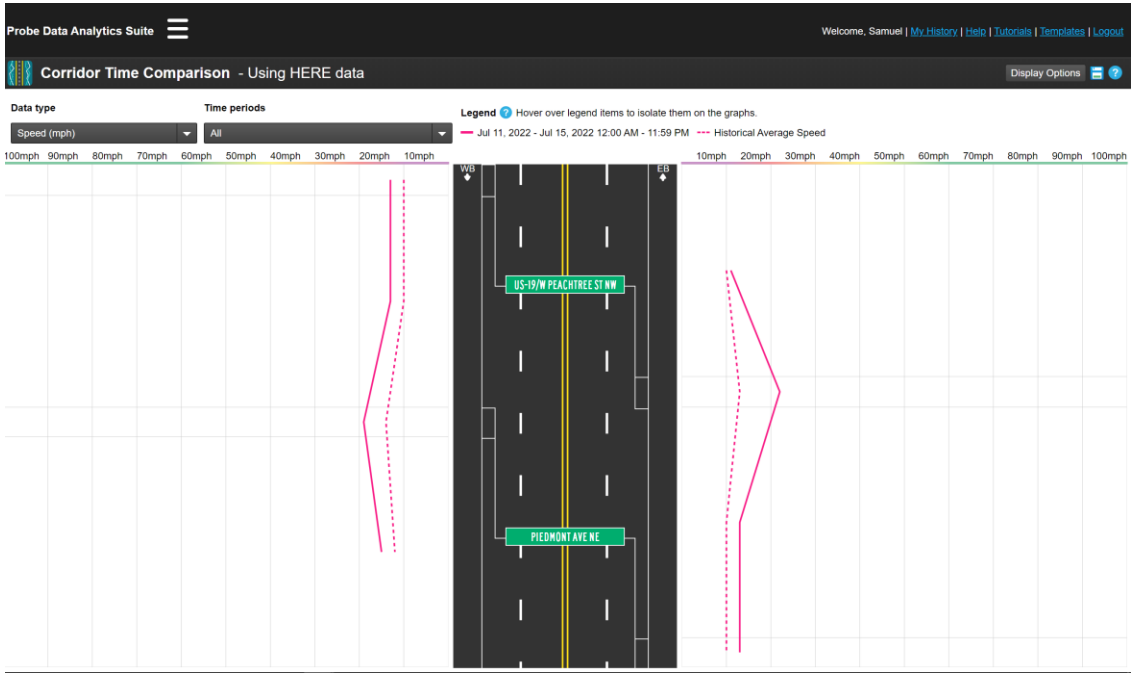

GDOT
CENTRAL AVE
SR 154 / TRINITY AVE
MATCHLINE SEE SHEET 4
SR 154 / TRINITY AVE
CENTRAL AVE
MATCHLINE SEE SHEET 6
EXISTING EOP
RAISED CONCRETE MEDIAN
BIKE BOX
GDOT
Georgia Department of Transportation
AECOM
SCALE IN FEET
0 20 40 80
REVISION DATES
TURN LANE CONCEPT LAYOUT
SR 154 / TRINITY AVE
FROM SPRING ST TO MEMORIAL DR
CHECKED:
BACKCHECKED:
CORRECTED:
VERIFIED:
DRAWING No.
5

Lessons Learned

- Recent Waze Enhancements
- Temporal Comparison Maps
  - Travel time
  - Speed
- Corrdior Speed Graphs







Three Takeaways

1. What is the GDOT Safety Program?
2. Congestion scans be used to justify safety projects
3. High-level data analysis can be used to program projects

Questions?

Samuel Harris, PE

GDOT State Safety Engineering Manager

sharris@dot.ga.gov

RITIS | PROBE DATA ANALYTICS SUITE

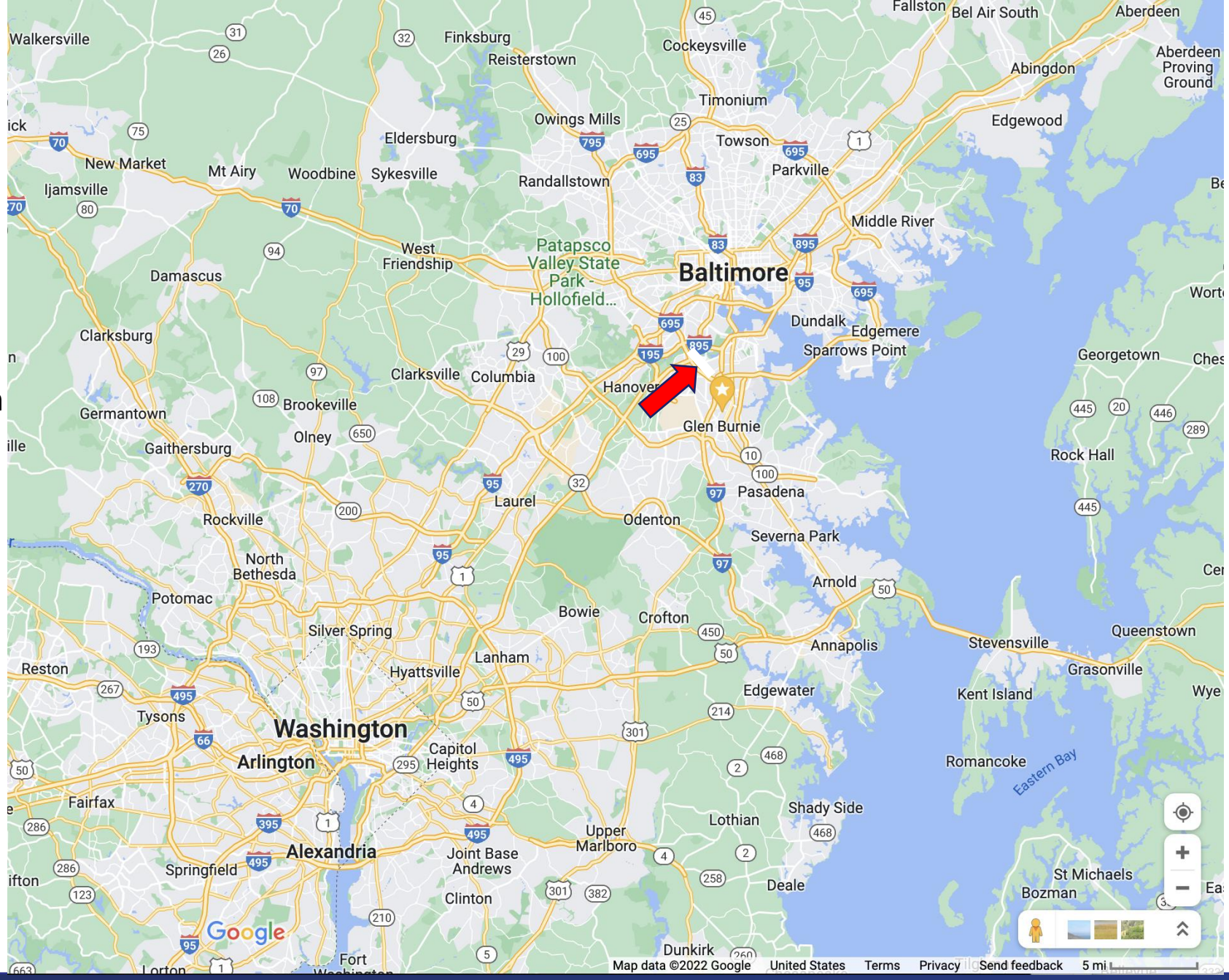
Freight Rerouting For An 4-hour Closure Of I-95 In Baltimore

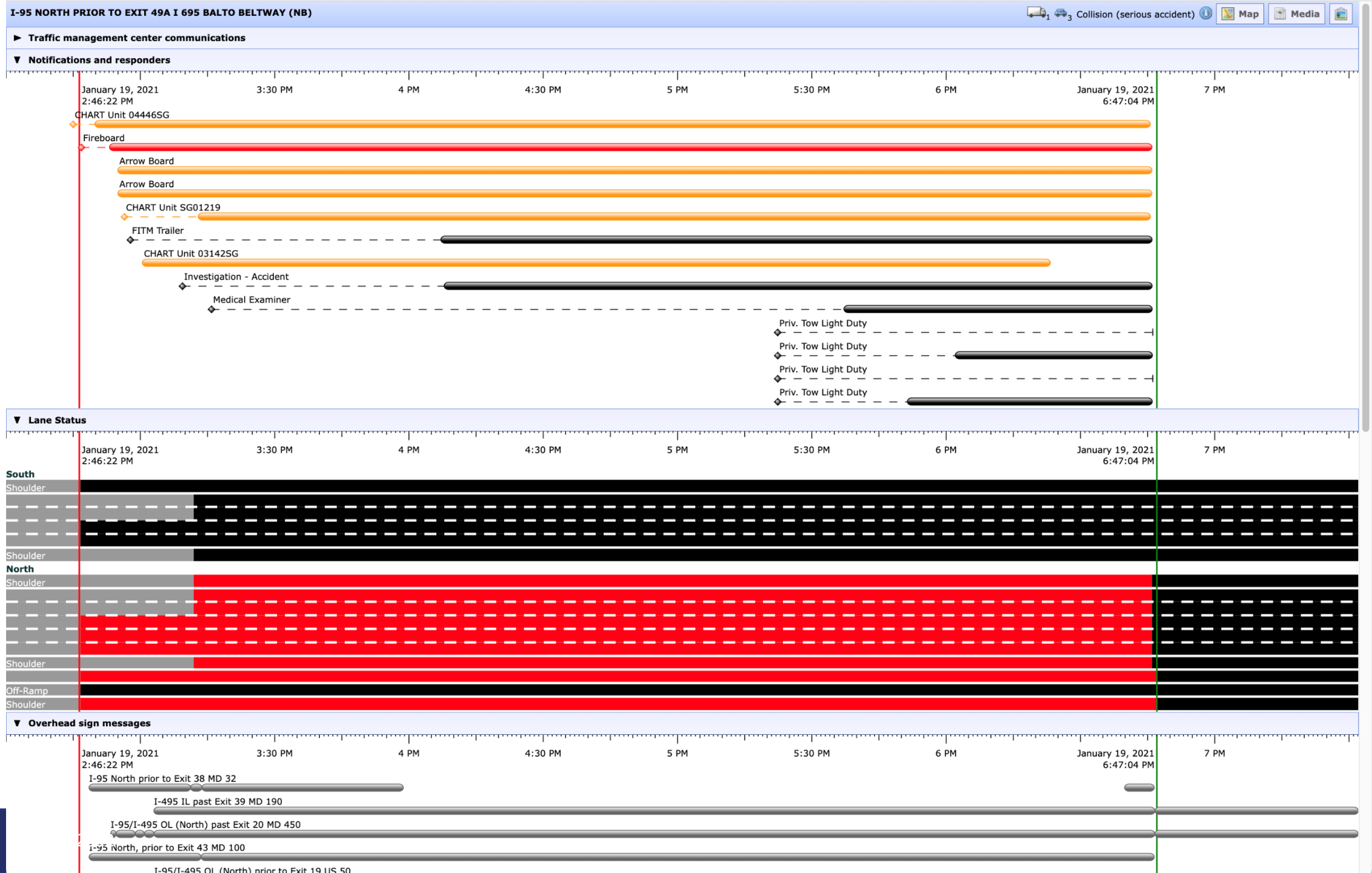
Michael Pack
UMD CATT Lab
Director

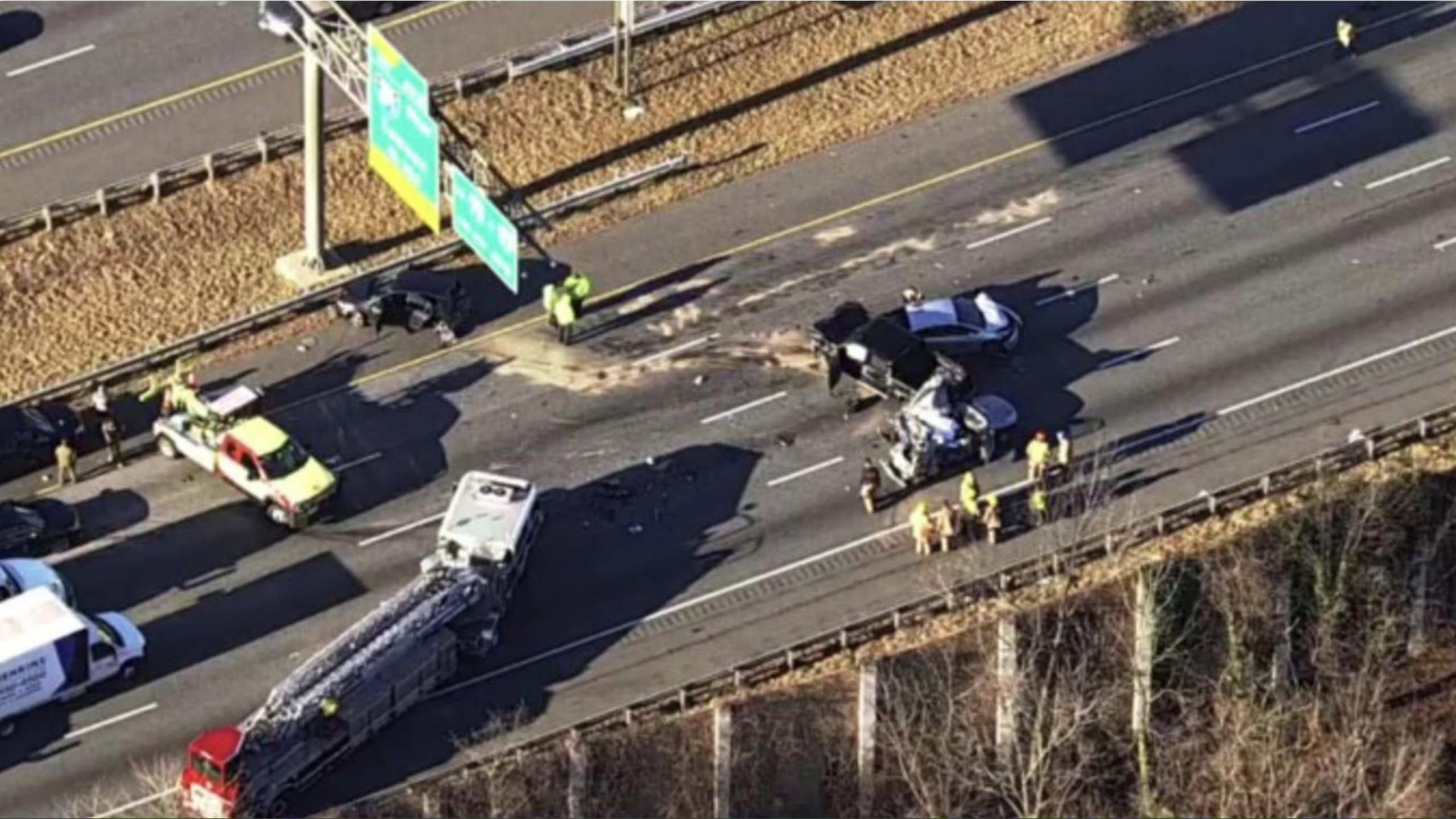
TSMO use-case for Trips Analytics:
Freight Rerouting For a 4-hour Closure of I-95 in Baltimore

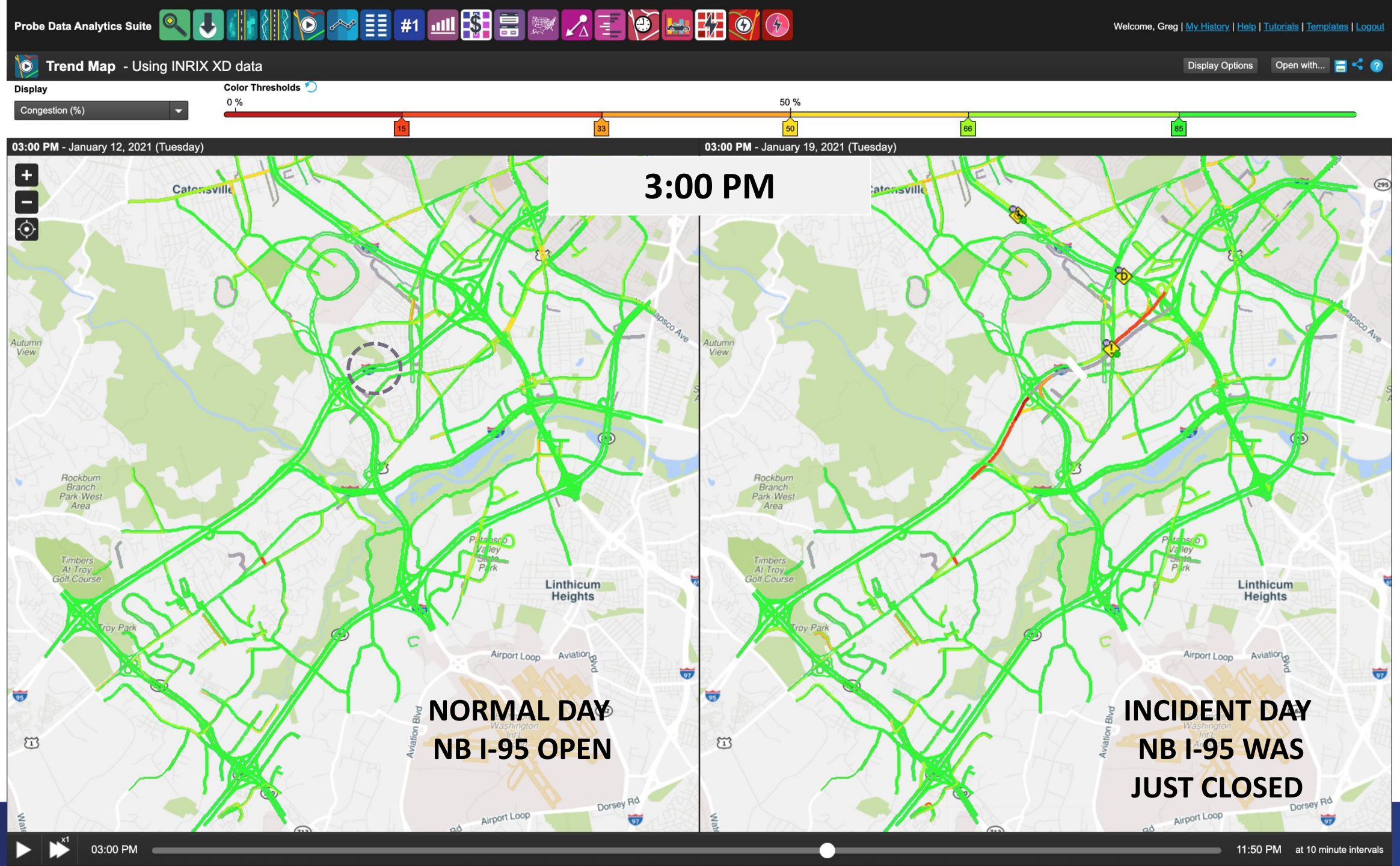
Review of I-95 closure Tuesday January 19, 2021
NB just S. of I-695, all lanes closed ~2:45 to ~6:45 p.m.

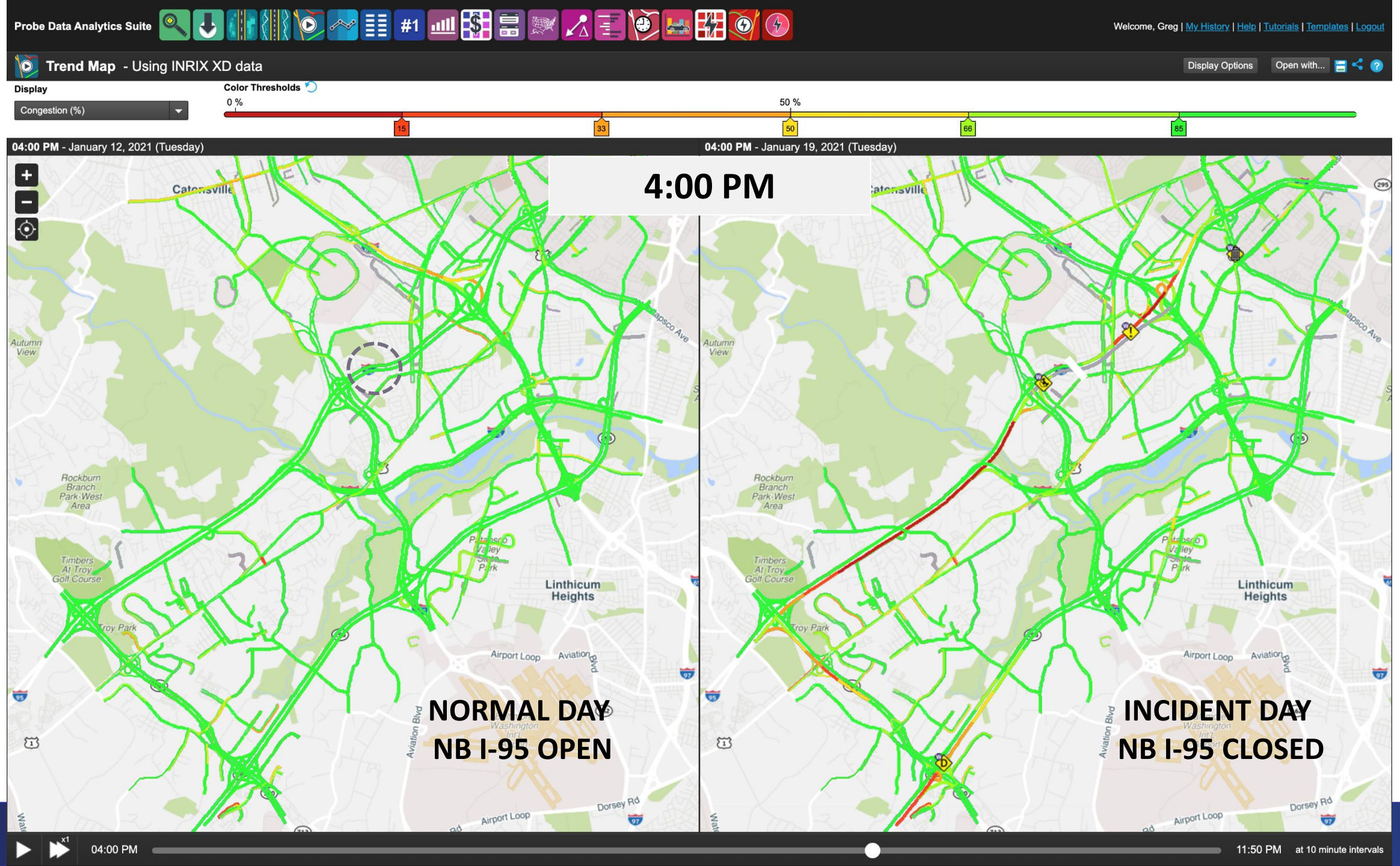
Tuesday
January 19, 2021
I-95 NB
all lanes closed
~2:45 to ~6:45 pm

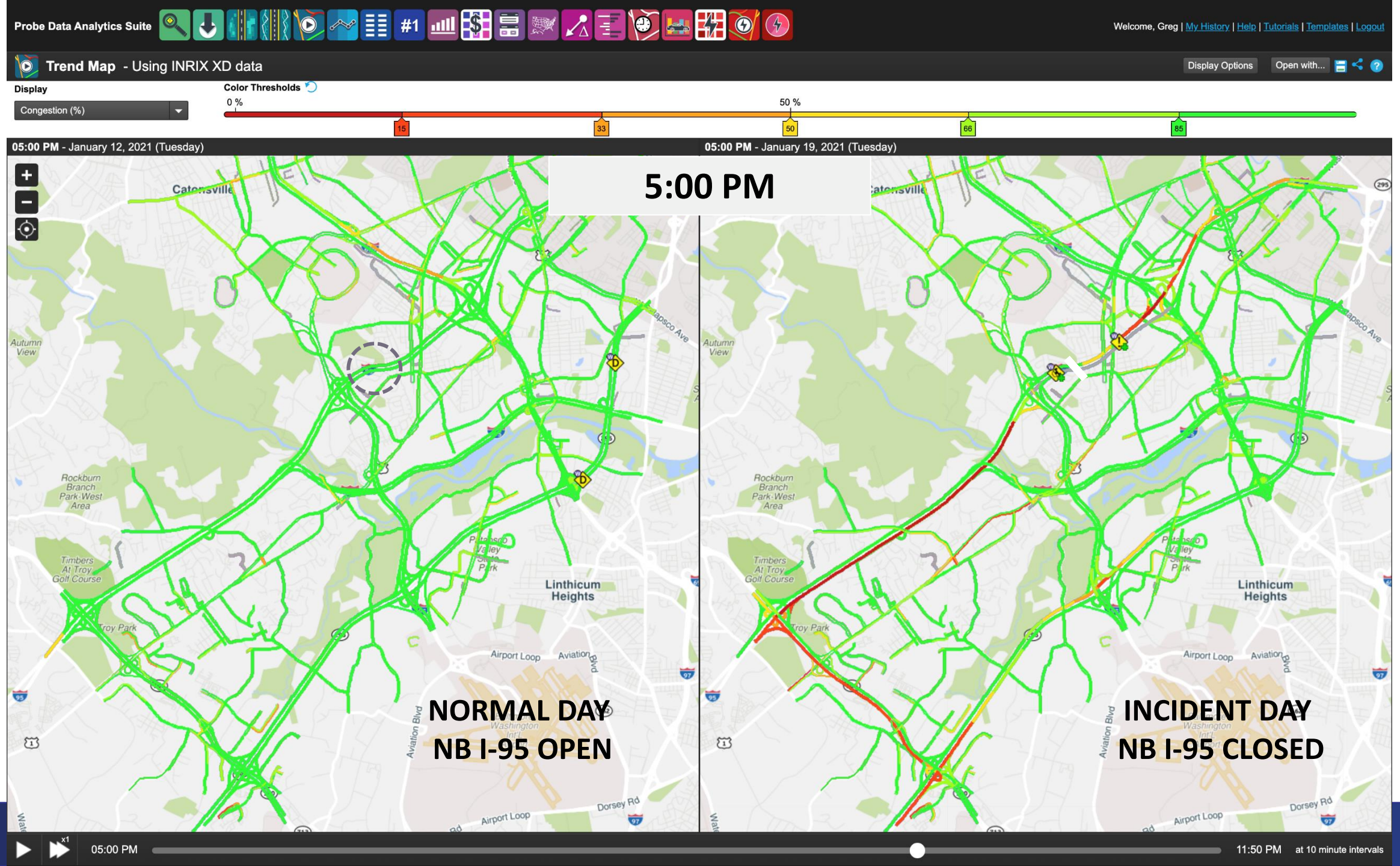


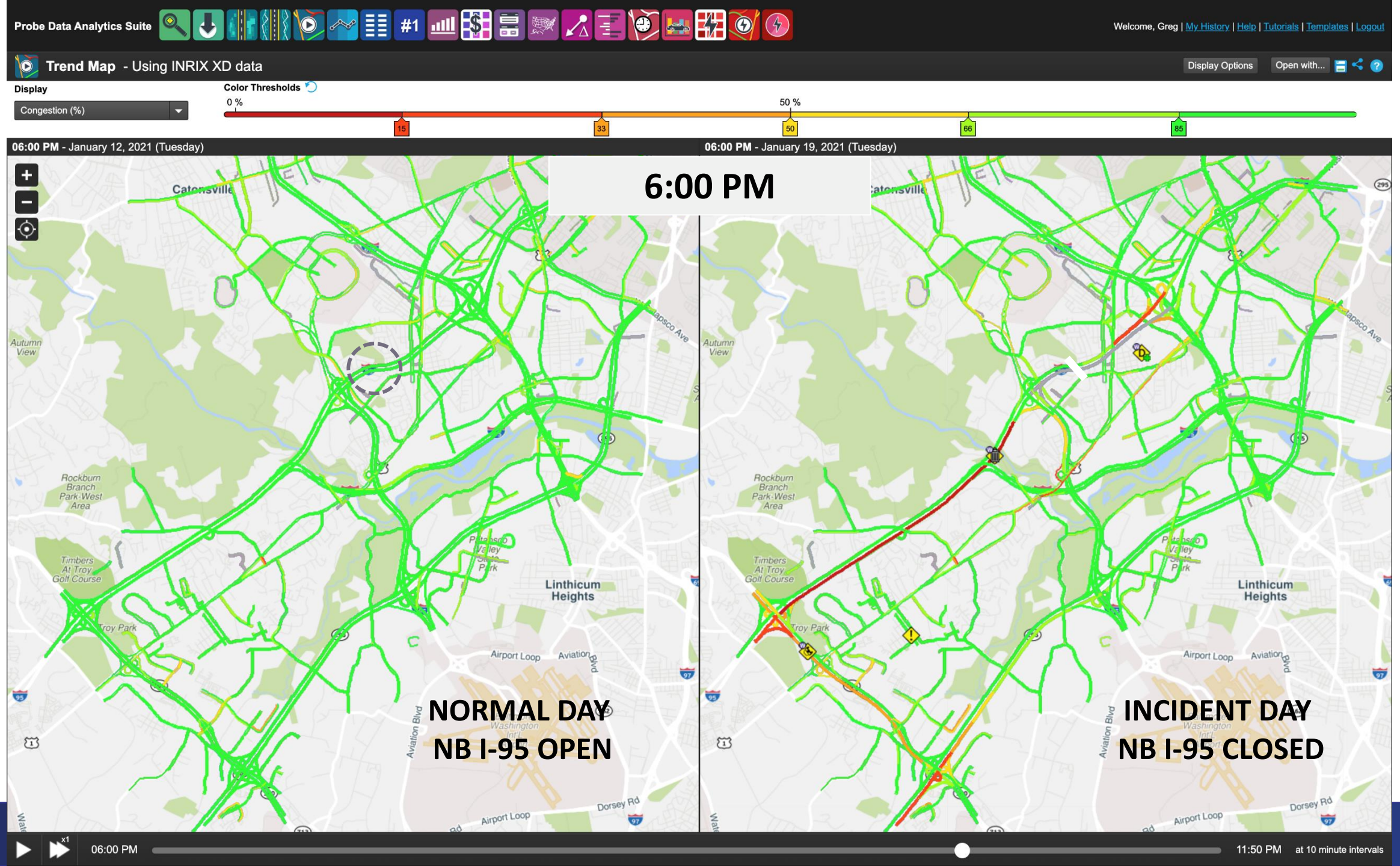

I-95 NORTH PRIOR TO EXIT 49A I 695 BALTO BELTWAY (NB)
Collision (serious accident)
Map
Media
Traffic management center communications
Notifications and responders
January 19, 2021
2:46:22 PM
3:30 PM
4 PM
4:30 PM
5 PM
5:30 PM
6 PM
January 19, 2021
6:47:04 PM
7 PM
CHART Unit 04446SG
Fireboard
Arrow Board
Arrow Board
CHART Unit SG01219
FITM Trailer
CHART Unit 03142SG
Investigation - Accident
Medical Examiner
Priv. Tow Light Duty
Priv. Tow Light Duty
Priv. Tow Light Duty
Priv. Tow Light Duty
Lane Status
South
Shoulder
Shoulder
North
Shoulder
Shoulder
Off-Ramp
Shoulder
Overhead sign messages
I-95 North prior to Exit 38 MD 32
I-495 IL past Exit 39 MD 190
I-95/I-495 OL (North) past Exit 20 MD 450
I-95 North, prior to Exit 43 MD 100

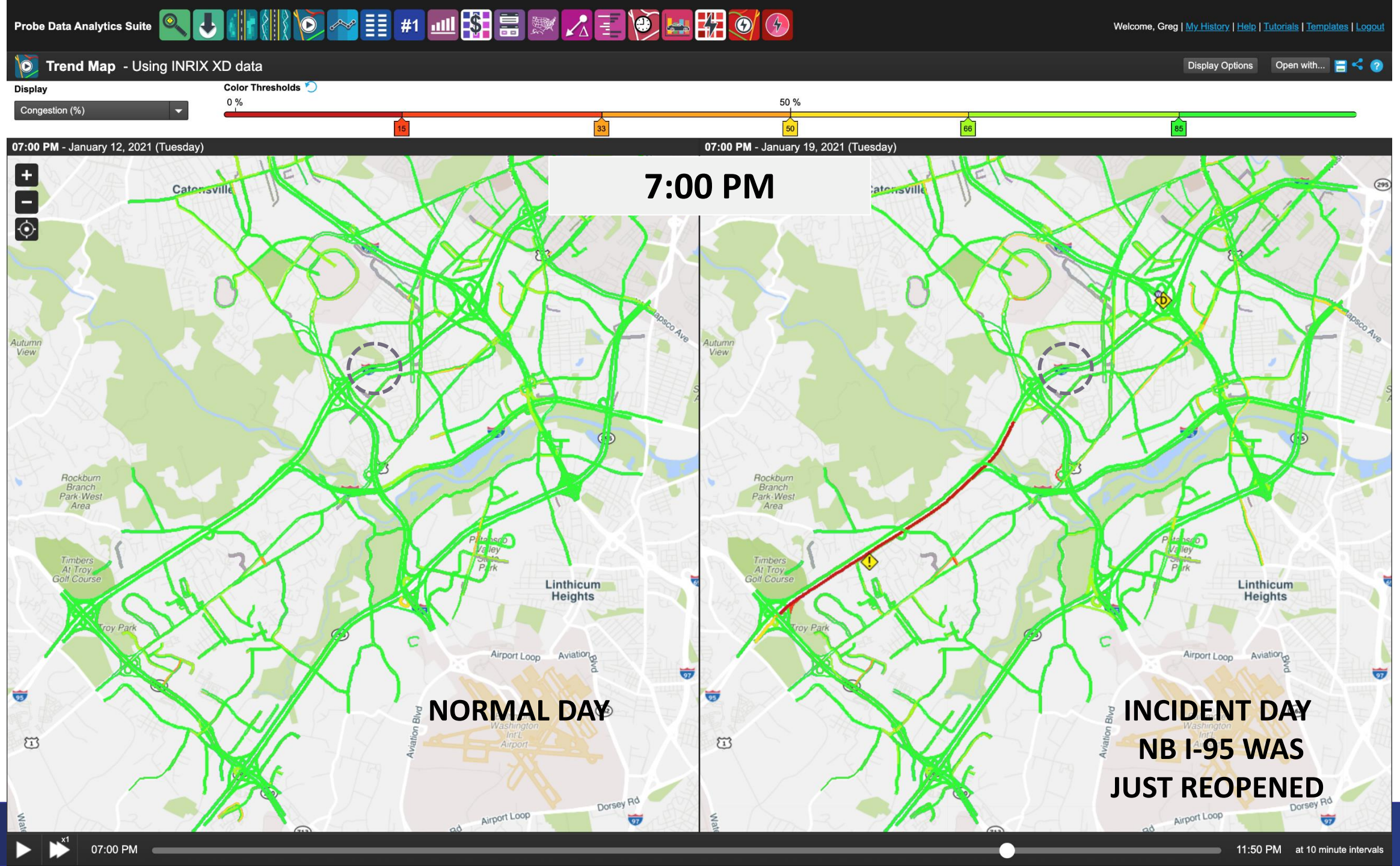


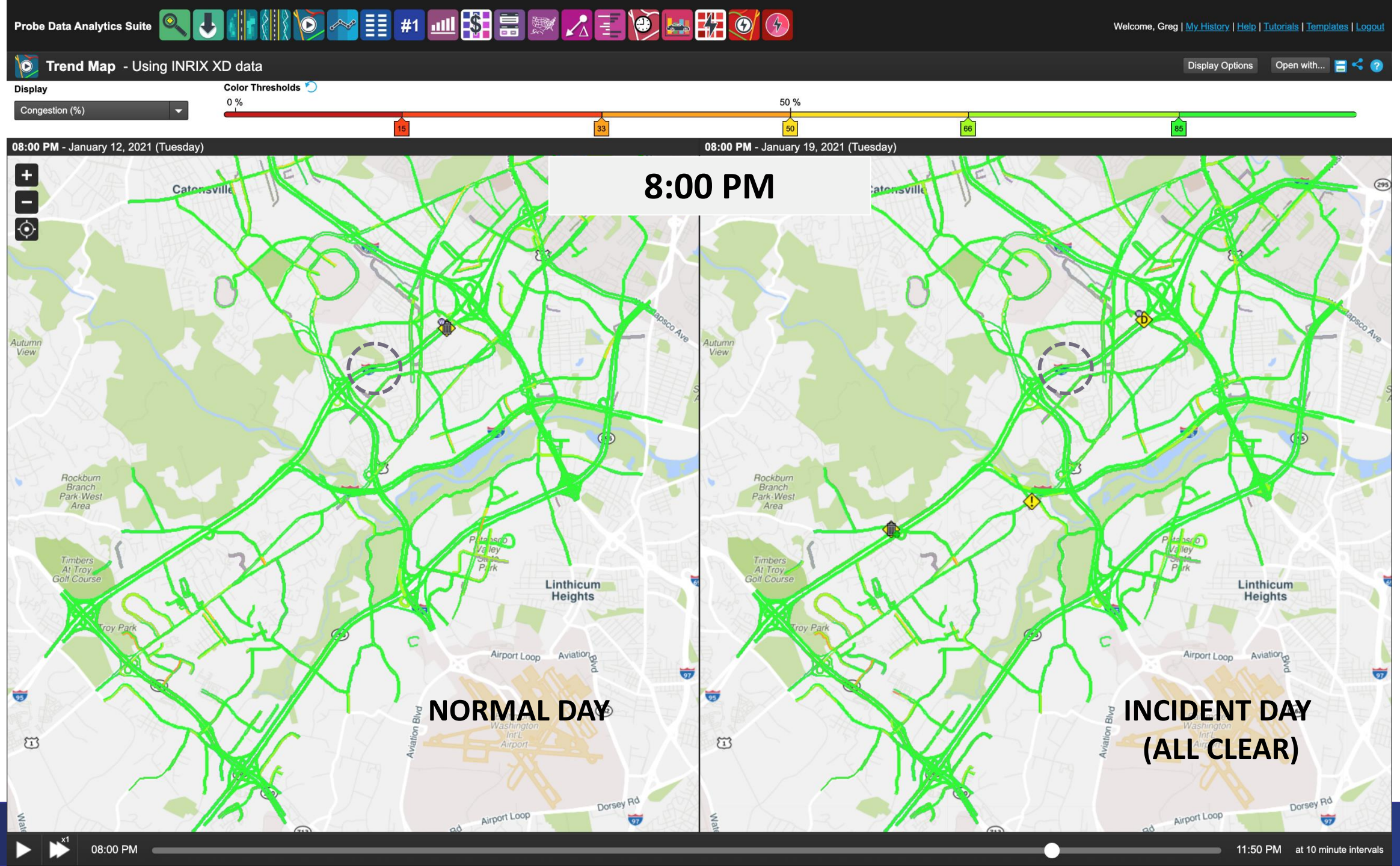

Probe Data Analytics Suite
Welcome, Greg | My History | Help | Tutorials | Templates | Logout
Trend Map - Using INRIX XD data
Display Options
Open with...
Display
Congestion (%)
Color Thresholds
0 %
50 %
15
33
50
66
85
03:00 PM - January 12, 2021 (Tuesday)
03:00 PM - January 19, 2021 (Tuesday)
3:00 PM
Catonsville
Autumn View
Rockburn Branch Park-West Area
Timbers At Troy Golf Course
Troy Park
Patapsco Valley State Park
Linthicum Heights
Airport Loop
Aviation Blvd
Dorsey Rd
Washington Blvd
NORMAL DAY
NB I-95 OPEN
INCIDENT DAY
NB I-95 WAS
JUST CLOSED
03:00 PM
11:50 PM
at 10 minute intervals


Probe Data Analytics Suite
Welcome, Greg | My History | Help | Tutorials | Templates | Logout
Trend Map - Using INRIX XD data
Display Options
Open with...
Display
Congestion (%)
Color Thresholds
0 %
50 %
15
33
50
66
85
04:00 PM - January 12, 2021 (Tuesday)
04:00 PM - January 19, 2021 (Tuesday)
4:00 PM
NORMAL DAY
NB I-95 OPEN
INCIDENT DAY
NB I-95 CLOSED
Catonsville
Autumn View
Rockburn Branch Park-West Area
Timbers At Troy Golf Course
Troy Park
Patapsco Valley State Park
Linthicum Heights
Airport Loop
Aviation Blvd
Dorsey Rd
Washington Blvd
04:00 PM
11:50 PM
at 10 minute intervals


Probe Data Analytics Suite
Welcome, Greg | My History | Help | Tutorials | Templates | Logout
Trend Map - Using INRIX XD data
Display Options
Open with...
Display
Congestion (%)
Color Thresholds
0 %
50 %
15
33
50
66
85
05:00 PM - January 12, 2021 (Tuesday)
05:00 PM - January 19, 2021 (Tuesday)
5:00 PM
Catonsville
Autumn View
Rockburn Branch Park-West Area
Timbers At Troy Golf Course
Troy Park
Linthicum Heights
Airport Loop
Aviation Blvd
Dorsey Rd
Washington Blvd
NORMAL DAY
NB I-95 OPEN
INCIDENT DAY
NB I-95 CLOSED
05:00 PM
11:50 PM
at 10 minute intervals


Probe Data Analytics Suite
Welcome, Greg | My History | Help | Tutorials | Templates | Logout
Trend Map - Using INRIX XD data
Display Options
Open with...
Display
Congestion (%)
Color Thresholds
0 %
50 %
15
33
50
66
85
06:00 PM - January 12, 2021 (Tuesday)
06:00 PM - January 19, 2021 (Tuesday)
6:00 PM
NORMAL DAY
NB I-95 OPEN
INCIDENT DAY
NB I-95 CLOSED
Catonsville
Autumn View
Rockburn Branch Park-West Area
Timbers At Troy Golf Course
Troy Park
Linthicum Heights
Airport Loop
Aviation Blvd
Dorsey Rd
Patapsco Ave
06:00 PM
11:50 PM
at 10 minute intervals


Probe Data Analytics Suite
Welcome, Greg | My History | Help | Tutorials | Templates | Logout
Trend Map - Using INRIX XD data
Display Options
Open with...
Display
Congestion (%)
Color Thresholds
0 %
50 %
15
33
50
66
85
07:00 PM - January 12, 2021 (Tuesday)
07:00 PM - January 19, 2021 (Tuesday)
7:00 PM
Catonsville
Autumn View
Rockburn Branch Park-West Area
Timbers At Troy Golf Course
Troy Park
Linthicum Heights
Airport Loop
Aviation Blvd
Dorsey Rd
Washington Int'l Airport
NORMAL DAY
INCIDENT DAY
NB I-95 WAS
JUST REOPENED
07:00 PM
11:50 PM
at 10 minute intervals


Probe Data Analytics Suite
Welcome, Greg | My History | Help | Tutorials | Templates | Logout
Trend Map - Using INRIX XD data
Display Options
Open with...
Display
Congestion (%)
Color Thresholds
0 %
50 %
15
33
50
66
85
08:00 PM - January 12, 2021 (Tuesday)
08:00 PM - January 19, 2021 (Tuesday)
8:00 PM
NORMAL DAY
INCIDENT DAY
(ALL CLEAR)
Catonsville
Autumn View
Rockburn Branch Park-West Area
Timbers At Troy Golf Course
Troy Park
Linthicum Heights
Airport Loop
Aviation Blvd
Dorsey Rd
08:00 PM
11:50 PM
at 10 minute intervals

2. Set Filters and Submit Query

Set Spatial Filter(s)

Spatial Filter 1

(●) From ( ) To

Use a custom area as a Spatial Filter: MD 2021-01-19 Sampling li ne south V2.geojson

Include trips that:

[ ] Started Inside

[x] Started Outside

Spatial Filter 2

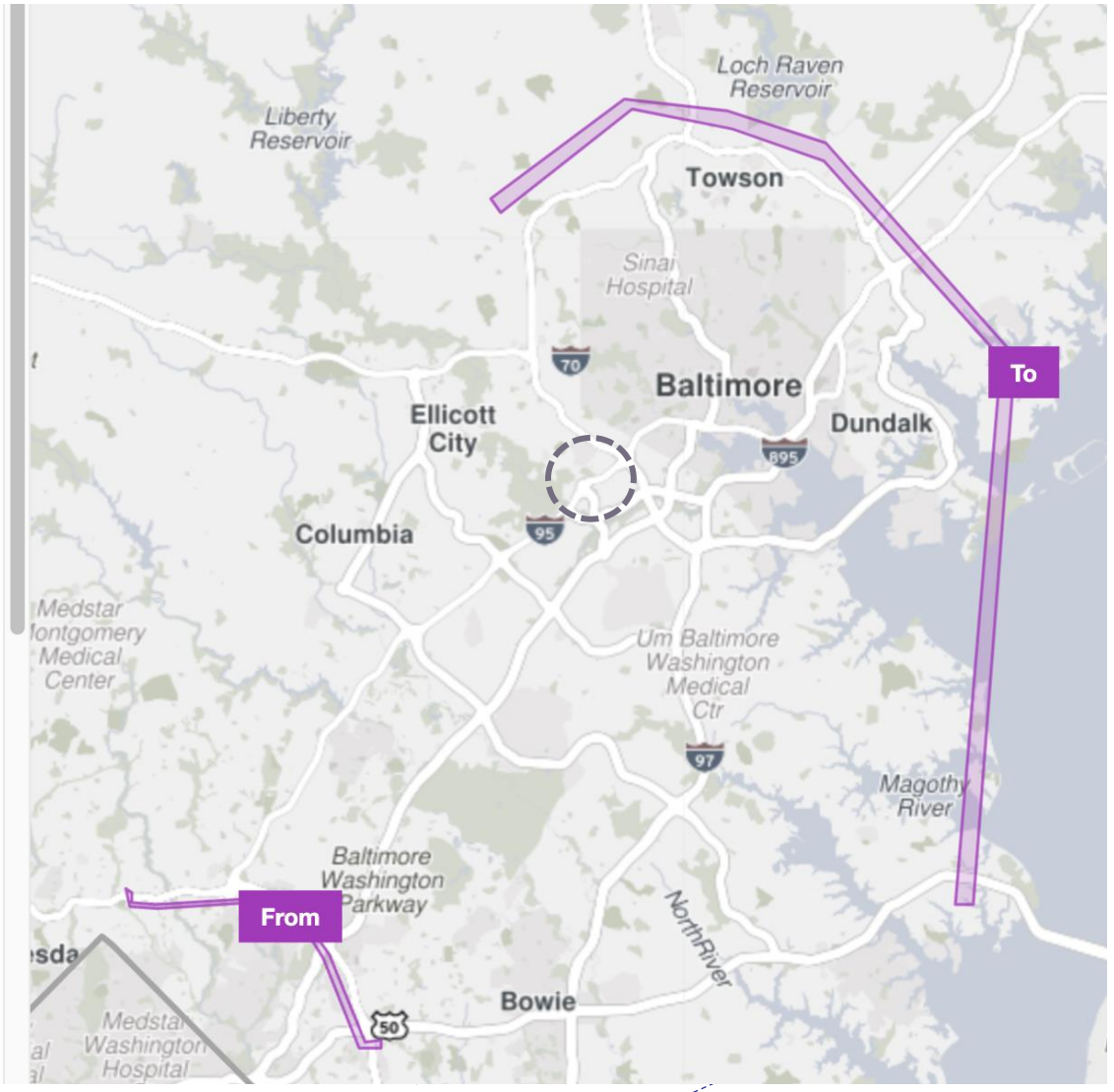
( ) From (●) To

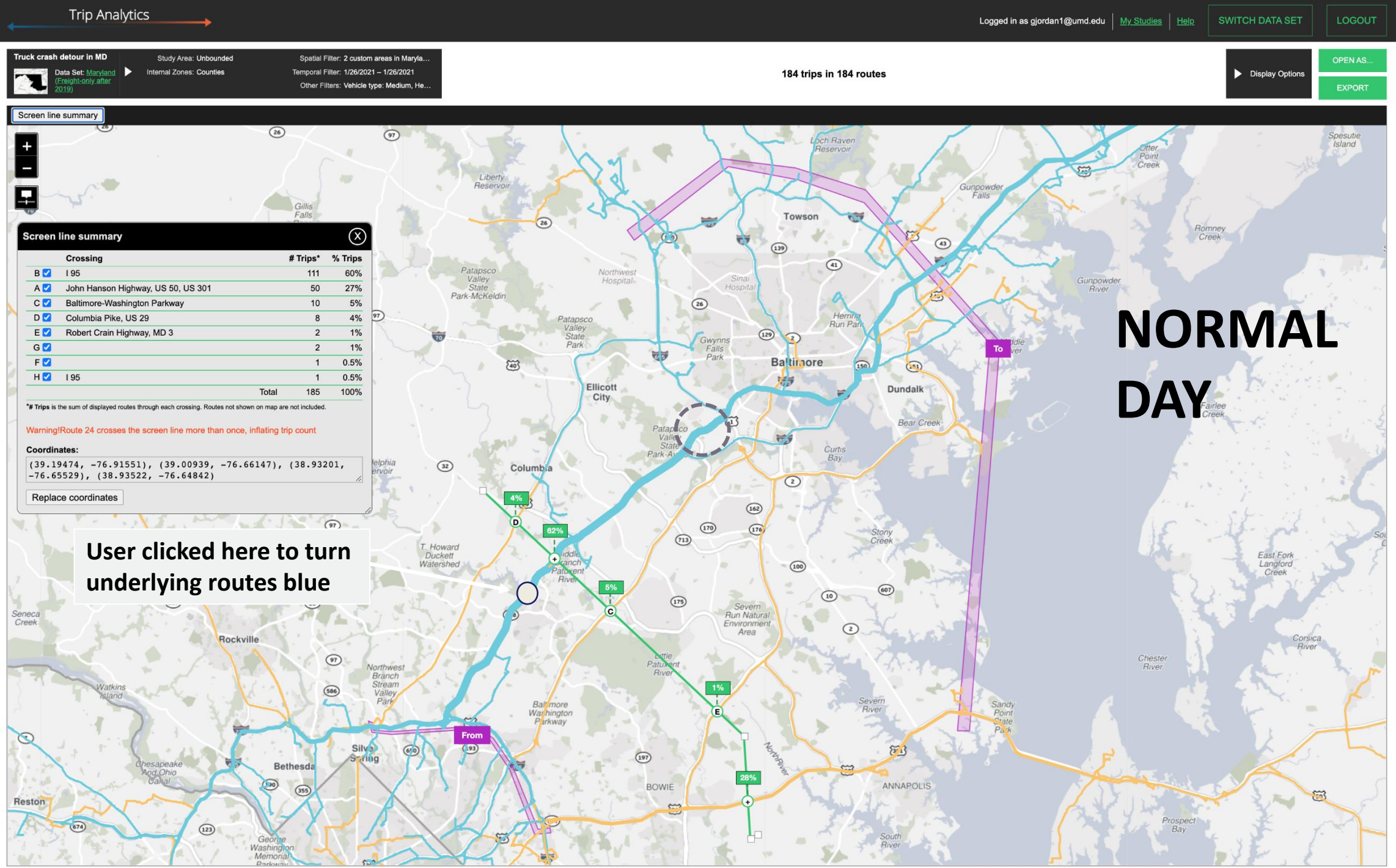
Use a custom area as a Spatial Filter: MD 2021-01-19 Sampling li ne north V2.geojson

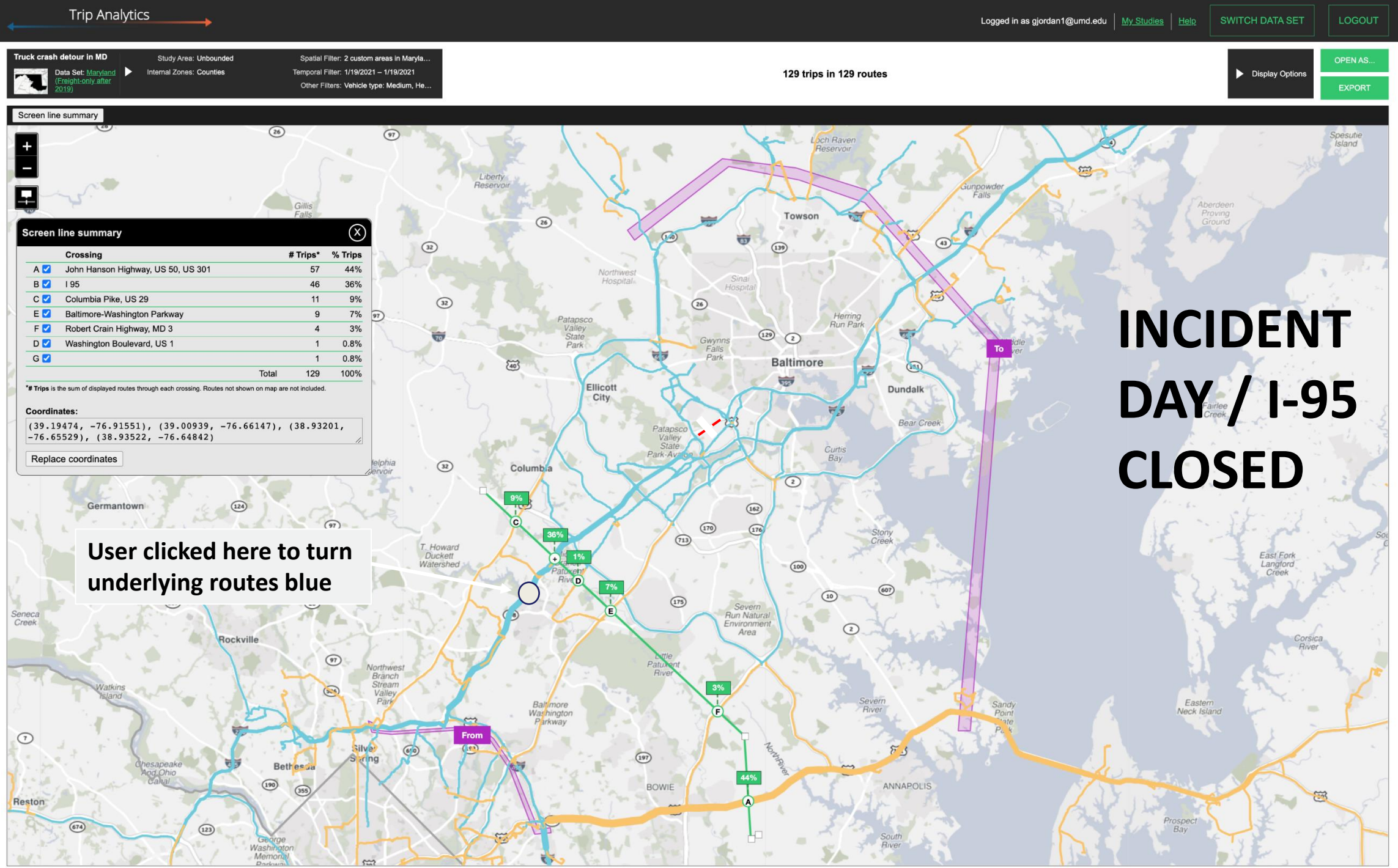
Include trips that:

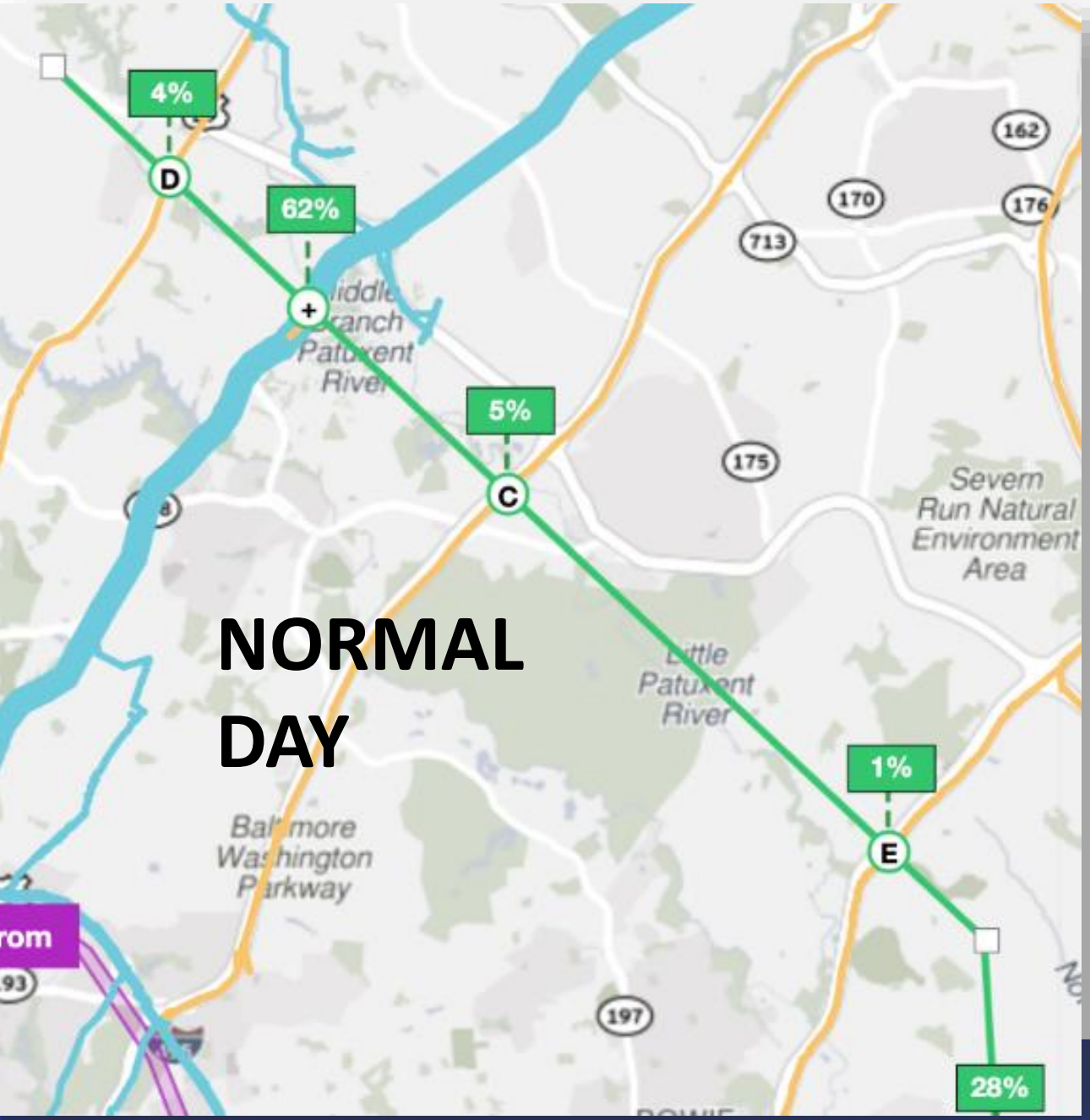
[ ] Ended Inside

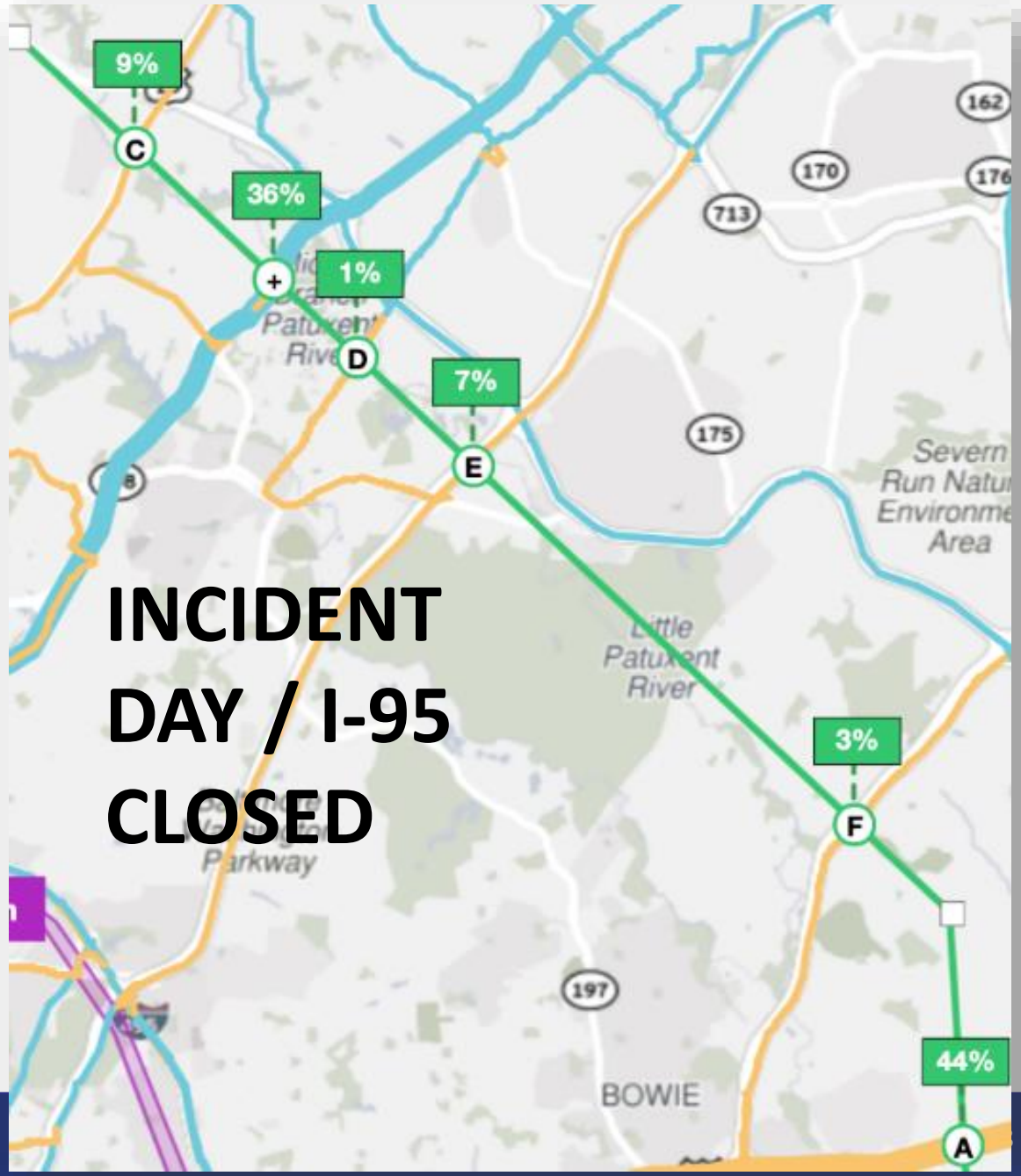
[x] Ended Outside

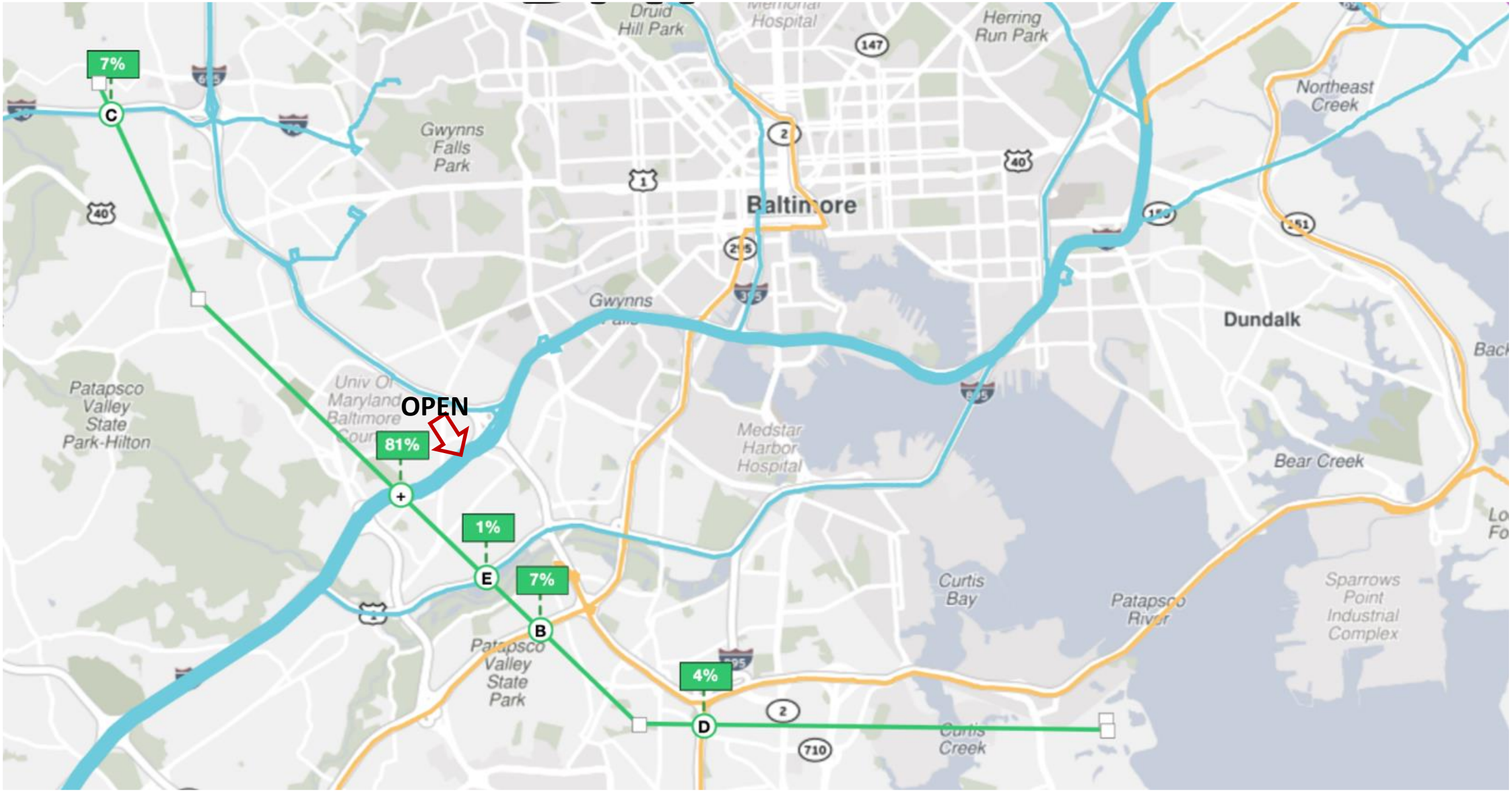


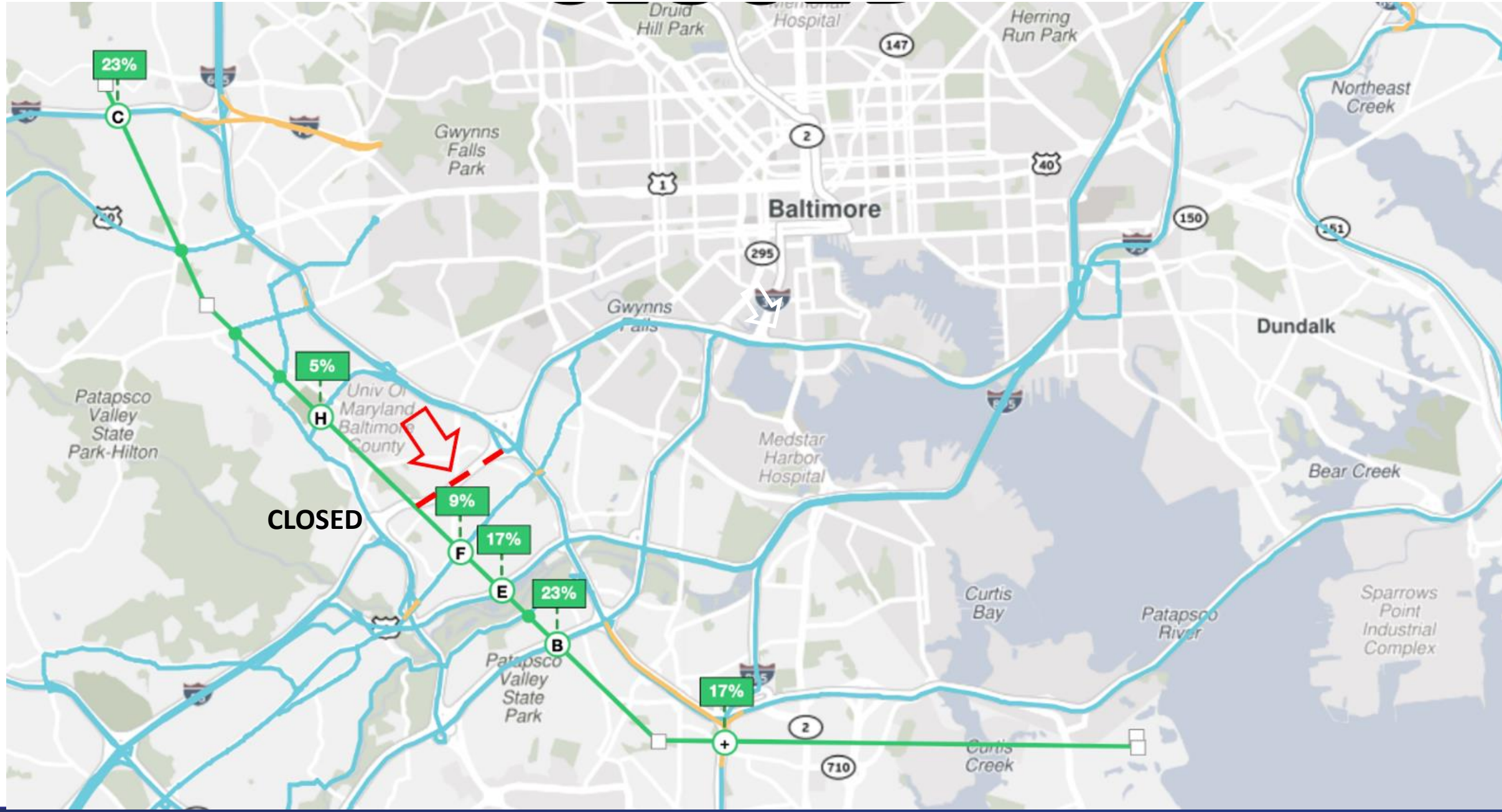

Trip Analytics
Logged in as gjordan1@umd.edu
My Studies
Help
SWITCH DATA SET
LOGOUT
Truck crash detour in MD
Data Set: Maryland (Freight-only after 2019)
Study Area: Unbounded
Internal Zones: Counties
Spatial Filter: 2 custom areas in Maryla…
Temporal Filter: 1/26/2021 – 1/26/2021
Other Filters: Vehicle type: Medium, He…
184 trips in 184 routes
Display Options
OPEN AS...
EXPORT
Screen line summary
Screen line summary
Crossing # Trips* % Trips
B I 95 111 60%
A John Hanson Highway, US 50, US 301 50 27%
C Baltimore-Washington Parkway 10 5%
D Columbia Pike, US 29 8 4%
E Robert Crain Highway, MD 3 2 1%
G 2 1%
F 1 0.5%
H I 95 1 0.5%
Total 185 100%
*# Trips is the sum of displayed routes through each crossing. Routes not shown on map are not included.
Warning!Route 24 crosses the screen line more than once, inflating trip count
Coordinates:
(39.19474, -76.91551), (39.00939, -76.66147), (38.93201, -76.65529), (38.93522, -76.64842)
Replace coordinates
User clicked here to turn underlying routes blue
NORMAL DAY
From
To
4%
62%
5%
1%
28%
Towson
Baltimore
Columbia
Ellicott City
Dundalk
Rockville
Bethesda
Silver Spring
BOWIE
ANNAPOLIS
Reston

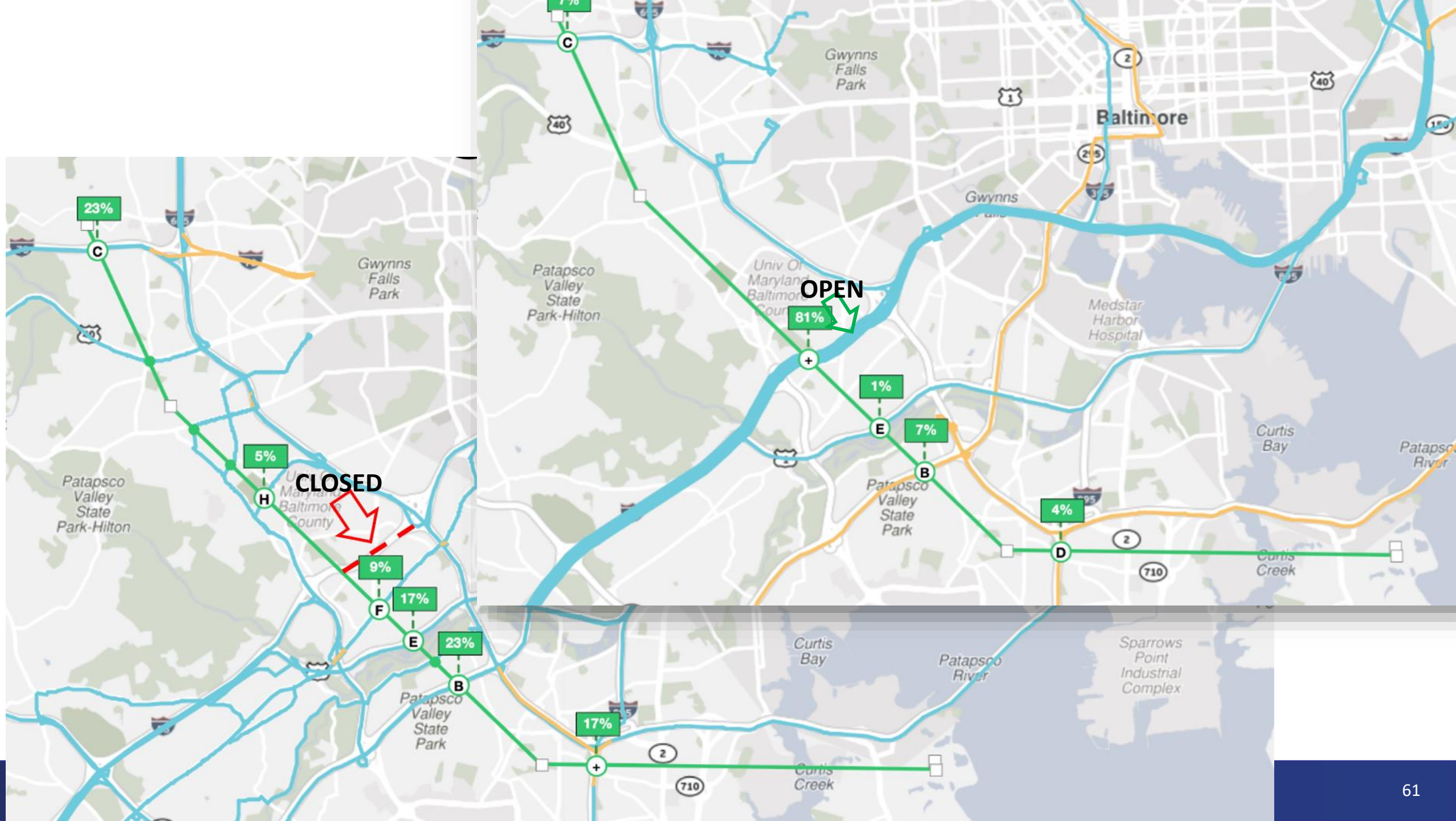

Trip Analytics
Logged in as gjordan1@umd.edu
My Studies
Help
SWITCH DATA SET
LOGOUT
Truck crash detour in MD
Data Set: Maryland (Freight-only after 2019)
Study Area: Unbounded
Internal Zones: Counties
Spatial Filter: 2 custom areas in Maryla…
Temporal Filter: 1/19/2021 – 1/19/2021
Other Filters: Vehicle type: Medium, He…
129 trips in 129 routes
Display Options
OPEN AS...
EXPORT
Screen line summary
Screen line summary
Crossing # Trips* % Trips
A John Hanson Highway, US 50, US 301 57 44%
B I 95 46 36%
C Columbia Pike, US 29 11 9%
E Baltimore-Washington Parkway 9 7%
F Robert Crain Highway, MD 3 4 3%
D Washington Boulevard, US 1 1 0.8%
G 1 0.8%
Total 129 100%
*# Trips is the sum of displayed routes through each crossing. Routes not shown on map are not included.
Coordinates:
(39.19474, -76.91551), (39.00939, -76.66147), (38.93201, -76.65529), (38.93522, -76.64842)
Replace coordinates
User clicked here to turn underlying routes blue
INCIDENT DAY / I-95 CLOSED
From
To
9%
36%
1%
7%
3%
44%
Baltimore
Towson
Columbia
Ellicott City
Dundalk
Germantown
Rockville
Bethesda
Silver Spring
BOWIE
ANNAPOLIS
Reston


4%
D
62%
+
5%
C
1%
E
28%
162
170
176
713
175
197
Severn Run Natural Environment Area
Little Patuxent River
Baltimore Washington Parkway
NORMAL DAY


9%
C
36%
+
1%
D
7%
E
3%
F
44%
A
162
170
176
713
175
197
Severn Run Natural Environment Area
Little Patuxent River
Parkway
BOWIE
INCIDENT DAY / I-95 CLOSED


7%
C
Druid Hill Park
Memorial Hospital
Herring Run Park
Northeast Creek
Gwynns Falls Park
Baltimore
Gwynns
Dundalk
Patapsco Valley State Park-Hilton
Univ Of Maryland Baltimore Court
OPEN
81%
Medstar Harbor Hospital
Bear Creek
1%
E
7%
B
Curtis Bay
Patapsco River
Sparrows Point Industrial Complex
Patapsco Valley State Park
4%
D
Curtis Creek


23%
C
5%
H
9%
CLOSED
17%
F
E
23%
B
17%
+
Druid Hill Park
Hospital
Herring Run Park
Northeast Creek
Gwynns Falls Park
Baltimore
Gwynns Falls
Dundalk
Patapsco Valley State Park-Hilton
Univ Of Maryland Baltimore County
Medstar Harbor Hospital
Bear Creek
Curtis Bay
Patapsco River
Sparrows Point Industrial Complex
Patapsco Valley State Park
Curtis Creek
147
2
1
40
150
151
295
710



OPEN
CLOSED
Baltimore
Gwynns Falls Park
Patapsco Valley State Park-Hilton
Univ Of Maryland Baltimore County
Medstar Harbor Hospital
Curtis Bay
Patapsco River
Sparrows Point Industrial Complex
Curtis Creek
Patapsco Valley State Park
23%
5%
9%
17%
23%
17%
81%
1%
7%
4%

Signal Analytics along the detour route

Signal Analytics

Intersection Analysis

Welcome, Greg | My History | Help | Templates | Logout

Analyze statistics on the number of vehicles that have passed through intersections to identify issues with signal timing.

1. Select intersections by road name or directly from the map

Select a region: Maryland

4 intersections matching current search filters

Road: Enter road name

Add intersections

2. Create a time period to analyze

01/19/2021 - through - 01/19/2021

Add another date range

3. Select days of week

Sun Mon Tue Wed Thu Fri Sat

4. Select time of day

12:00 AM 12:00 PM 12:00 AM

6: 7:00 PM

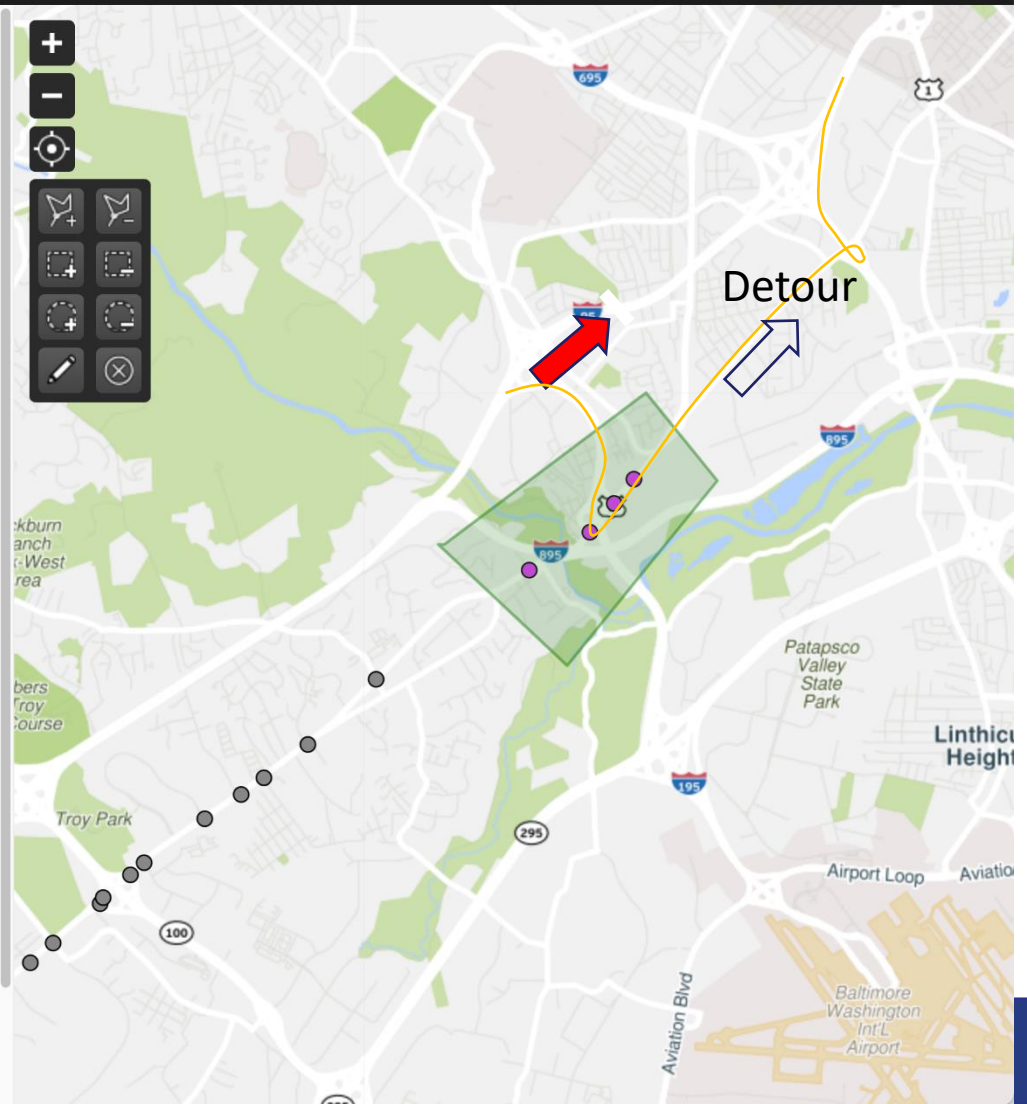
Add another time of day

5. Provide a title for this report (optional)

Crash day, 6-7 pm

6. Notes (optional)

Add notes



Intersection Analysis

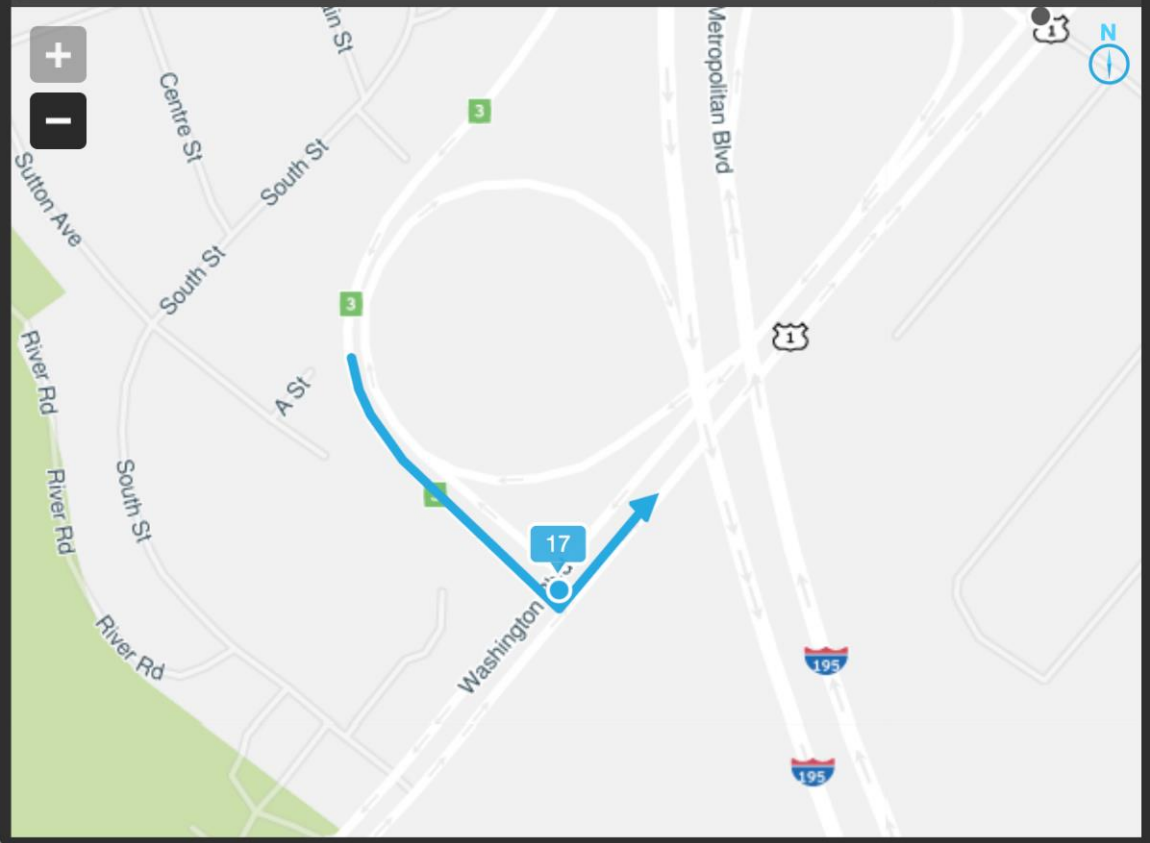
Requested 6-7 p.m., four signals US1 at I-195

Ranked intersection movements for 4 intersections on January 19, 2021 from 6 PM to 7 PM

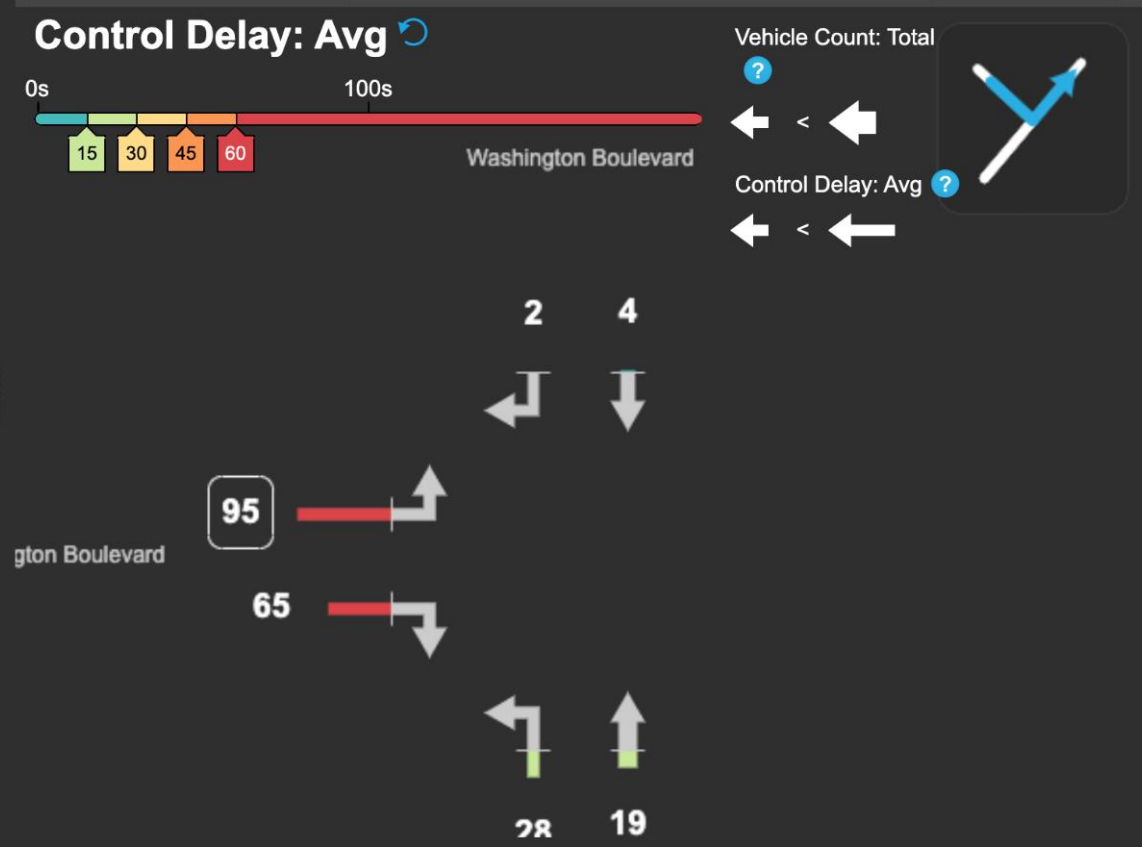
Filters (0) | Display Options

Intersection	Approach	Movement	Vehicle C…	Vehicle Count: Stopped	Split Failure: Count	Travel Time: Avg (sec)	Control Delay: Avg (sec)	Control Delay: Max (sec)
Washington Boulevard	Northbound	Through	22	14	0	31	22	56
Washington Boulevard & Leverin…	Northbound	Left	1	1	0	56	21	21
Washington Boulevard	Northbound	Left	3	3	0	43	28	33
Washington Boulevard	Eastbound	Left	5	5	0	107	95	116
Washington Boulevard	Eastbound	Left	4	4	0	65	49	79
Washington Boulevard	Southbound	Right	1	1	0	23	11	11

Map | Washington Boulevard | Display Options

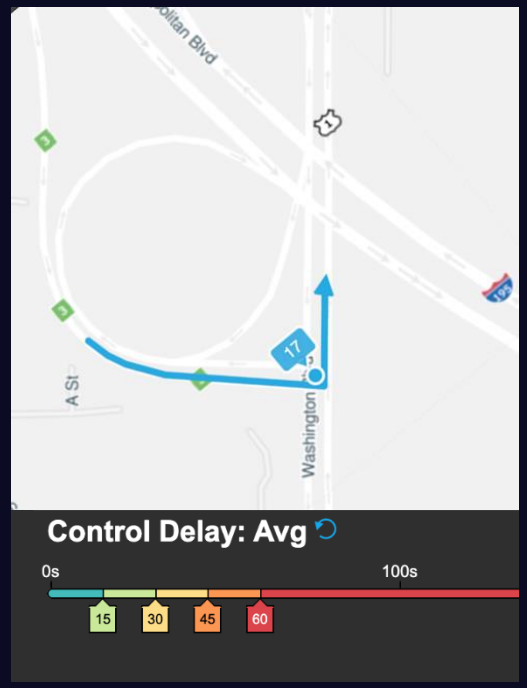


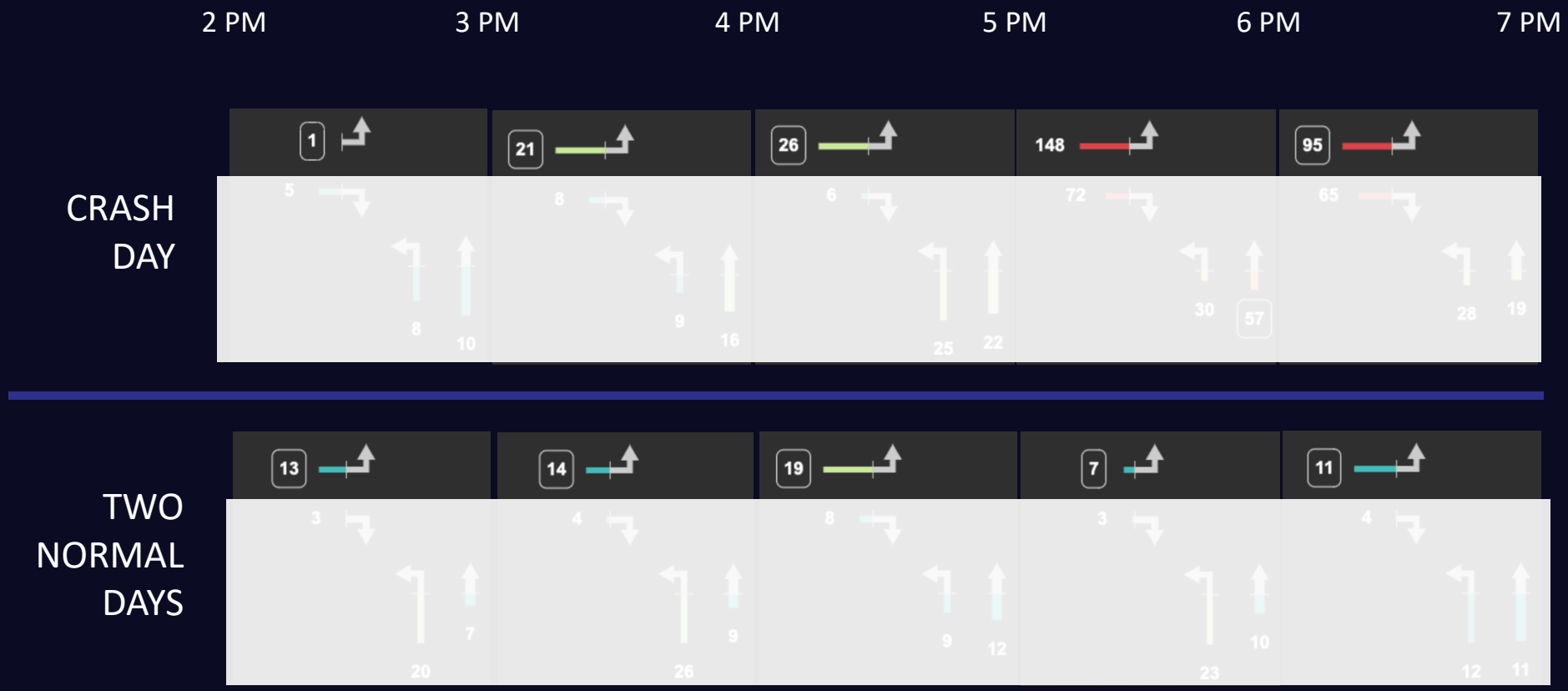
Intersection Breakdown | Washington Boulevard | Display Options



Jan. 19 (crash day) vs. average of Jan. 12 & 26 (2021)

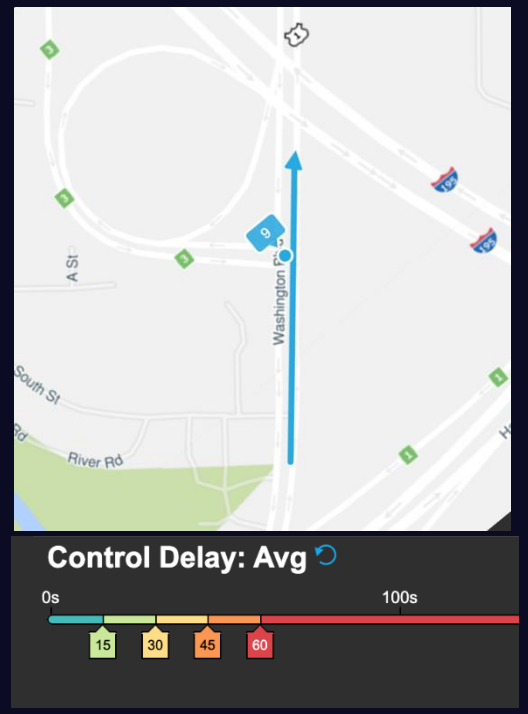
LEFT TURN FROM EASTBOUND I-195 RAMP TO NORTHBOUND US 1
Average control delay (sec)





Jan. 19 (crash day) vs. average of Jan. 12 & 26 (2021)

NORTHBOUND THROUGH-TRAFFIC ON US 1 AT I-195
Average control delay (sec)



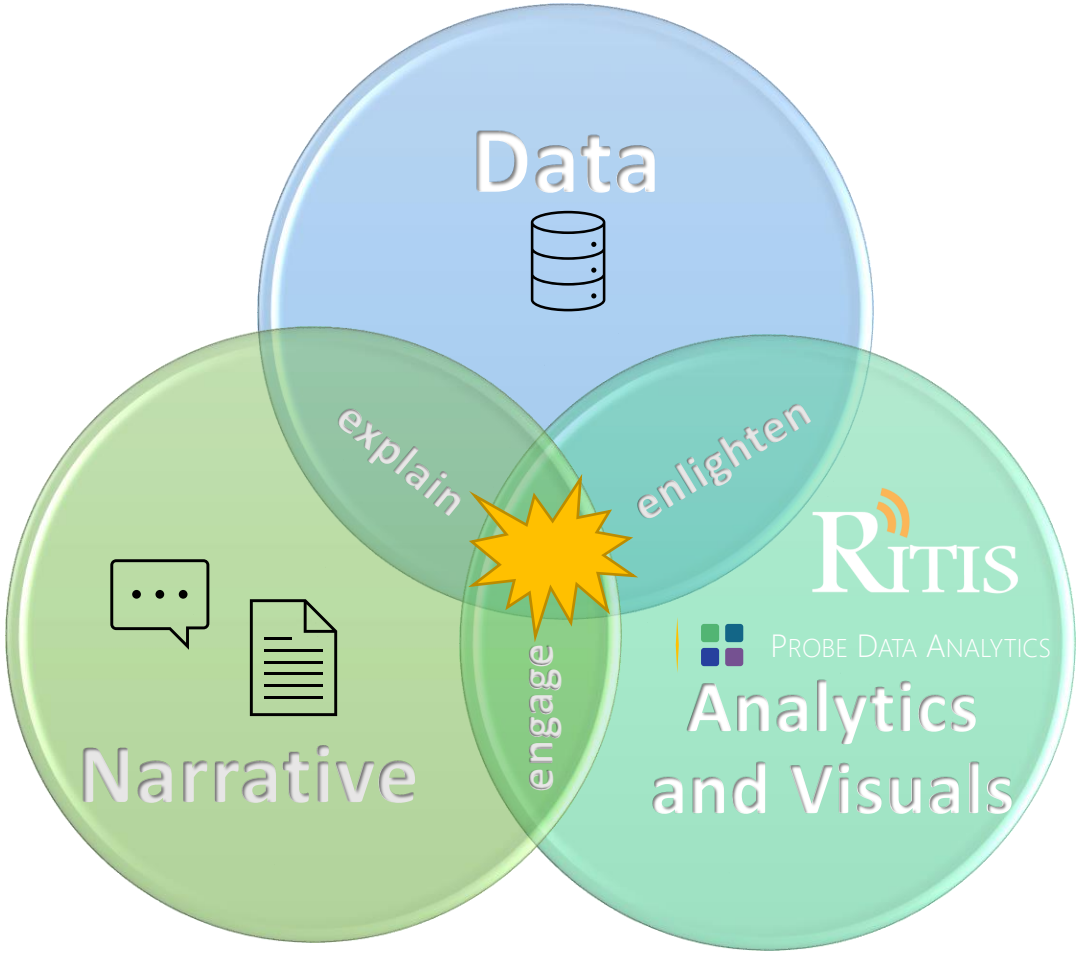
RITIS | PROBE DATA ANALYTICS SUITE

PDA Suite Performance Measures Working Group

Rick Ayers
UMD CATT Lab
Public Sector Advocate

Performance Reporting **Templates**

Empowering Your Story - RITIS Templates…



Performance Reporting **Templates**

There are two new templates available on the [RITIS Templates page](#)…

Top 10 Bottlenecks

After-action Review

Holiday Travel Forecast

…with this template to follow very soon.

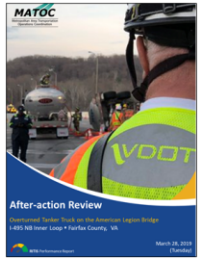
Performance Reporting **Templates**

> Here's what you'll see on the RITIS Templates landing page for the two new templates…

After-action Review Report

Use this template package along with RITIS tool results to create an after-action review report, including front and back covers, an event high-level summary page and an impact evaluation page that graphically depicts mainline and regional impacts, delay costs, vehicle hours of delay, key takeaways, and more. There are also several use case examples with varying levels of event complexities and some more technical-oriented report examples.

Overview



1. **Click to download the PowerPoint template** to create a report that presents an evaluation summary of the top 10 bottlenecks in a region. Additional design resources are also available.

Download Template | Download Design Resources

2. **Download Agency Use Case examples** below to see how other agencies have used these templates or have created similar reports using content from RITIS:

- **MATOC** Overturned Tanker Truck on the American Legion Bridge (using this template)
- **GDOT** I-75 Pedestrian Fatality (executive-level template)
- **MATOC** Vehicle Collision and Truck Fire on the Woodrow Wilson Bridge (1 technical, 3 executive templates)
- **massDOT** Truck Bridge Strike I-95 SB at Exit 30B (incudes Trend Map animation)

3. **Scroll down to learn how to create this report** or click on the 'How To Create Report' in the navigational menu.

Top 10 Bottleneck Report

Use this template package to create a report that summarizes the top 10 bottlenecks in your area. There are two parts to this template package – the first is a "Top 10 Bottlenecks in the Region" summary report page, that summarizes various attributes for all the top 10 bottlenecks for a specific time period, depicted on a location map. The second is a template for each individual bottleneck, that includes detailed results for six metrics, presented in an infographic style format.

Overview

1. **Click to download the PowerPoint template** to create a report that presents an evaluation summary of the top 10 bottlenecks in a region. Additional design resources are also available.

Download Template | Download Design Resources

2. **Download Agency Use Case examples** below to see how other agencies have used these templates or have created similar reports using content from RITIS:

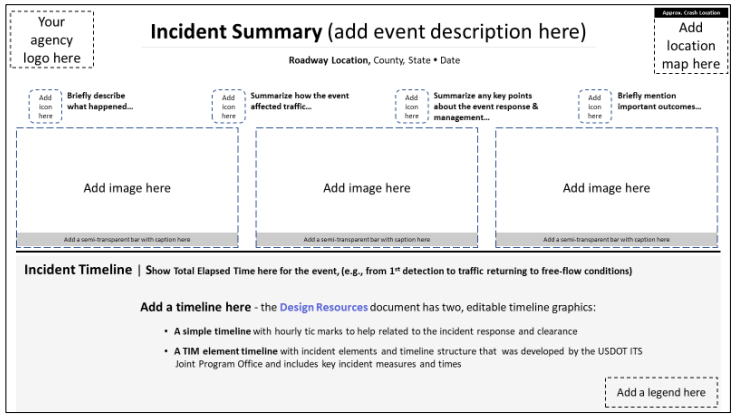
- **BMC** Quarterly Top 10 Bottlenecks in the Baltimore Region (using this template)
- **BMC** Quarterly Top 10 Bottlenecks in the Baltimore Region (executive-level template: 4 versions)

3. **Scroll down to learn how to create this report** or click on the 'How To Create Report' in the navigational menu.

Performance Reporting **Templates**

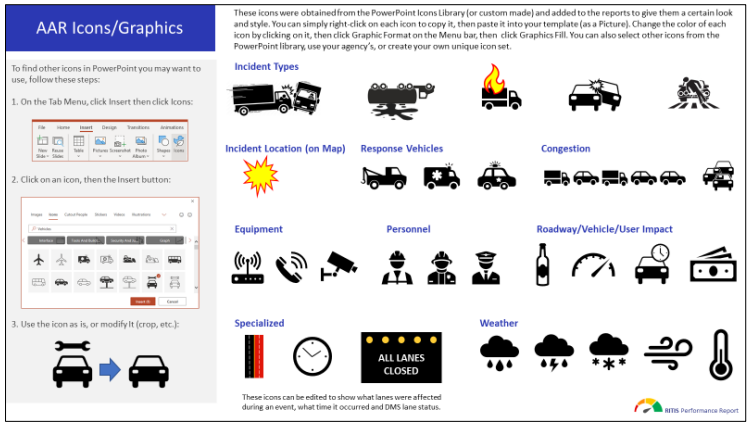
You'll be able to access this material to help build your report…

Blank Templates



To make it easy to add your own content

Design Resources



To make your report tell a better story

A How-to Guide

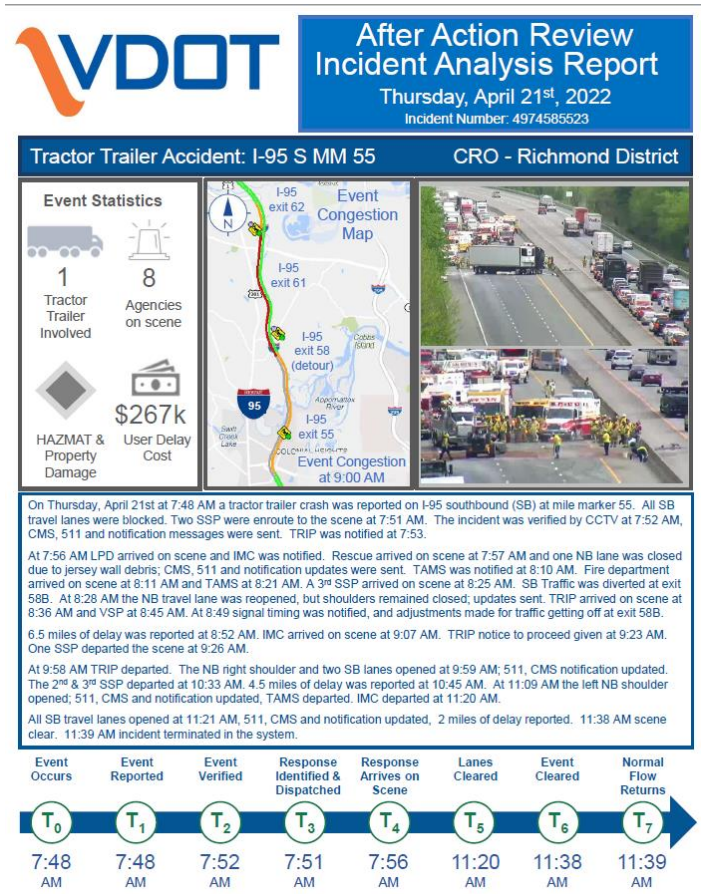
With easy-to-follow, step by step instructions on every aspect of the build, from start to finish

Also included are a selection of fully editable agency use cases (using other template layouts & content) that give you maximum flexibility in developing your own reporting.

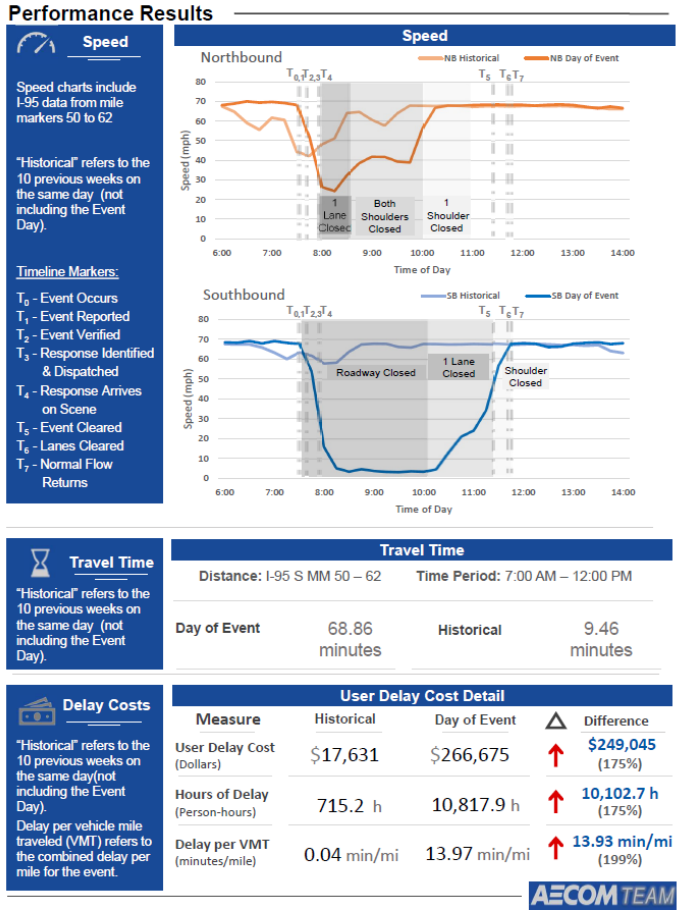
Performance Reporting **Templates**

Example configuration from Virginia DOT…

Incident Summary and Timeline



Performance Results from Incident



RITIS **Workshop**

We'd like to schedule **Session 2** of our series of RITIS Workshops, where we will walk you through taking an incident use case, running RITIS tool queries and using the results along with our templates to produce a professional report.

RITIS Workshop

Session 2 | How to Create an **After-action Review Report**

When: November 17, 2022

Questions?

Rick Ayers

Public Sector Advocate

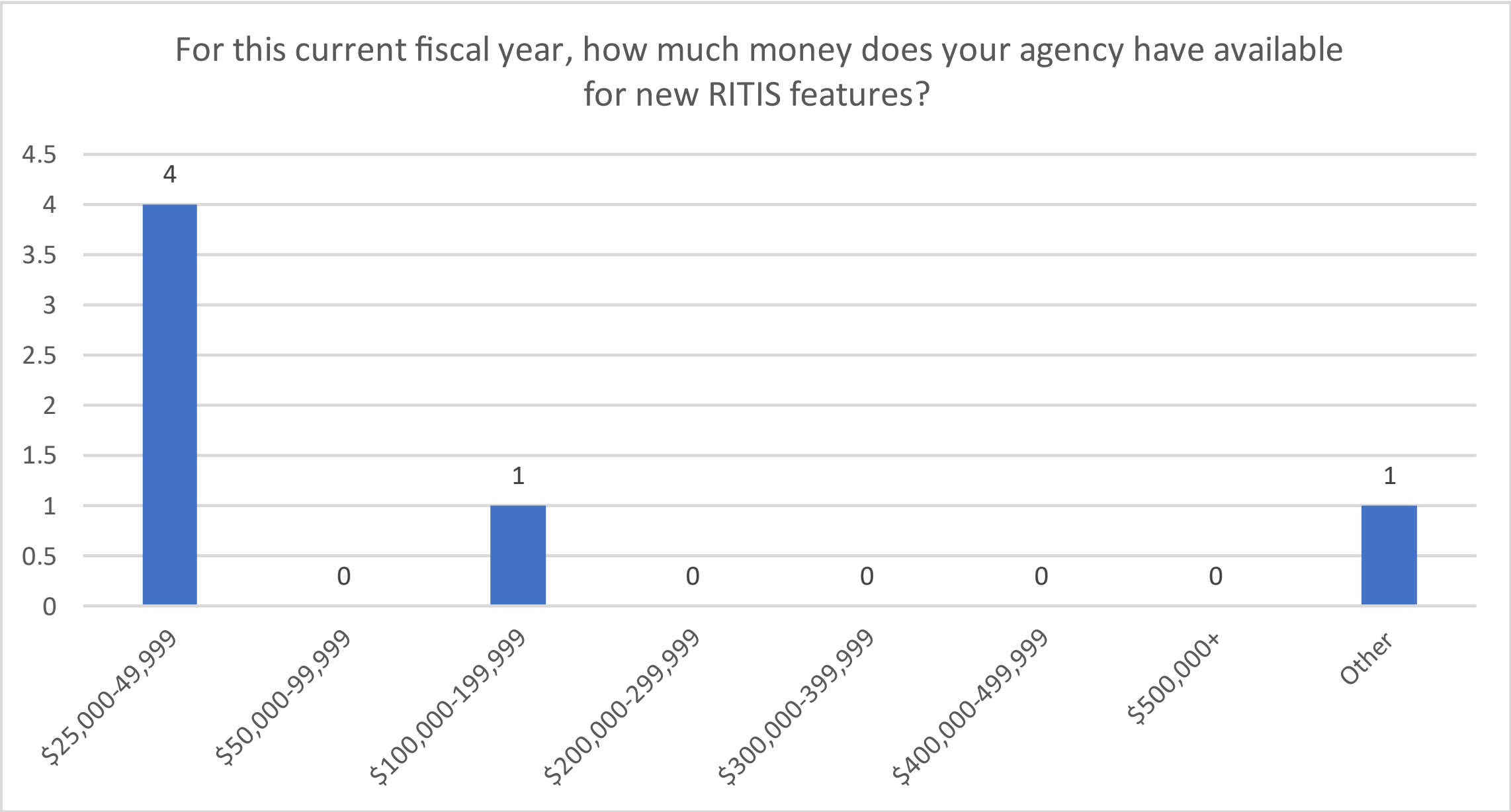
University of Maryland CATT Laboratory

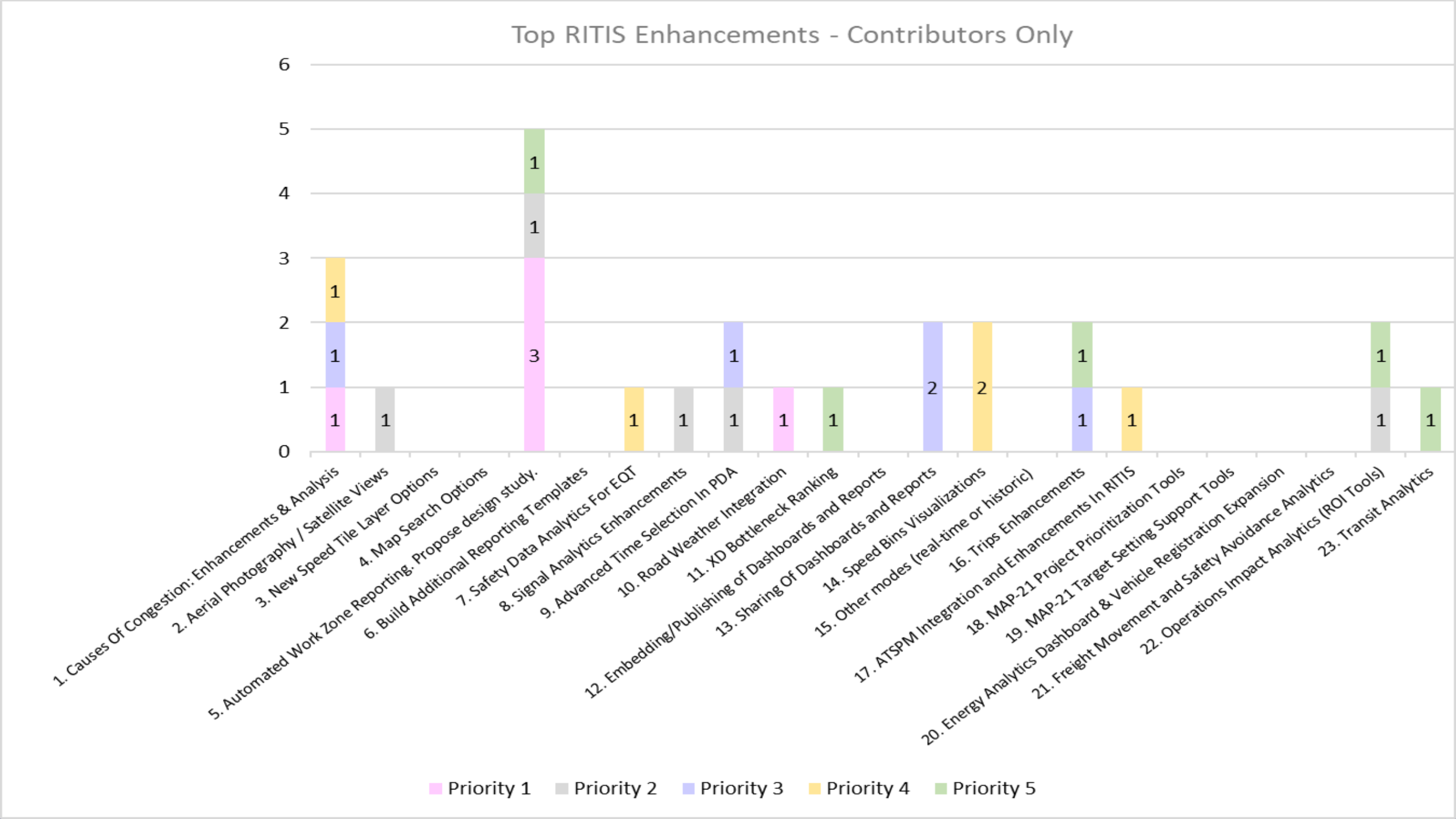
rayers@umd.edu

RITIS | PROBE DATA ANALYTICS SUITE

RITIS Enhancement Working Group

Michael Pack
UMD CATT Lab
Director


For this current fiscal year, how much money does your agency have available for new RITIS features?
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
4
0
1
0
0
0
0
1
$25,000-49,999
$50,000-99,999
$100,000-199,999
$200,000-299,999
$300,000-399,999
$400,000-499,999
$500,000+
Other


Top RITIS Enhancements - Contributors Only
6
5
4
3
2
1
0
1
1
1
1
1
1
3
1
1
1
1
1
1
2
2
1
1
1
1
1
1. Causes Of Congestion: Enhancements & Analysis
2. Aerial Photography / Satellite Views
3. New Speed Tile Layer Options
4. Map Search Options
5. Automated Work Zone Reporting. Propose design study.
6. Build Additional Reporting Templates
7. Safety Data Analytics For EQT
8. Signal Analytics Enhancements
9. Advanced Time Selection In PDA
10. Road Weather Integration
11. XD Bottleneck Ranking
12. Embedding/Publishing of Dashboards and Reports
13. Sharing Of Dashboards and Reports
14. Speed Bins Visualizations
15. Other modes (real-time or historic)
16. Trips Enhancements
17. ATSPM Integration and Enhancements In RITIS
18. MAP-21 Project Prioritization Tools
19. MAP-21 Target Setting Support Tools
20. Energy Analytics Dashboard & Vehicle Registration Expansion
21. Freight Movement and Safety Avoidance Analytics
22. Operations Impact Analytics (ROI Tools)
23. Transit Analytics
Priority 1
Priority 2
Priority 3
Priority 4
Priority 5

RITIS | PROBE DATA ANALYTICS SUITE

New RITIS Tools and Recent Enhancements

Michael Pack
UMD CATT Lab
Director

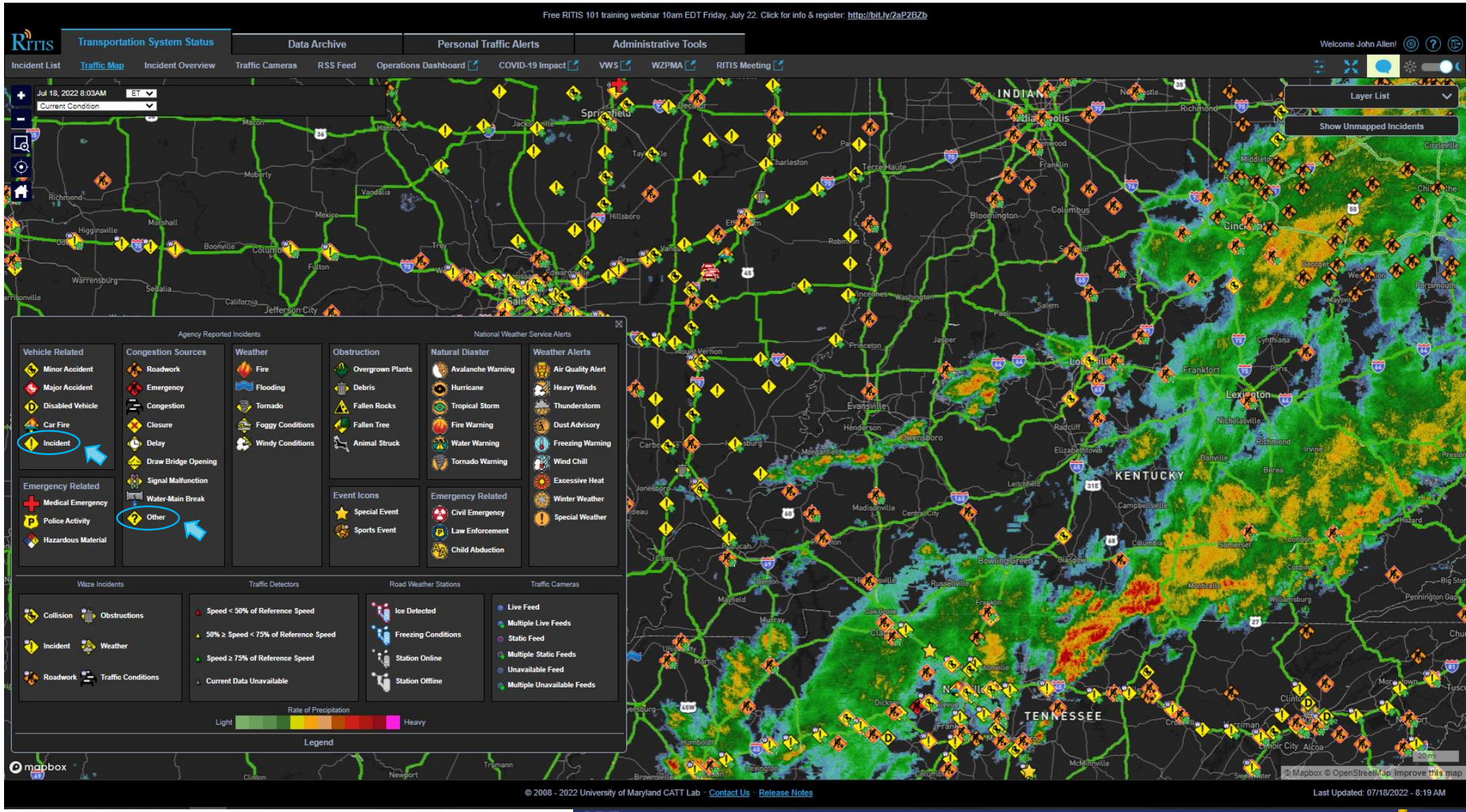
Traffic Map

Updated the Traffic Map legend to include **Incident** and **Other** icons.

RITIS Release Notes

Traffic Map

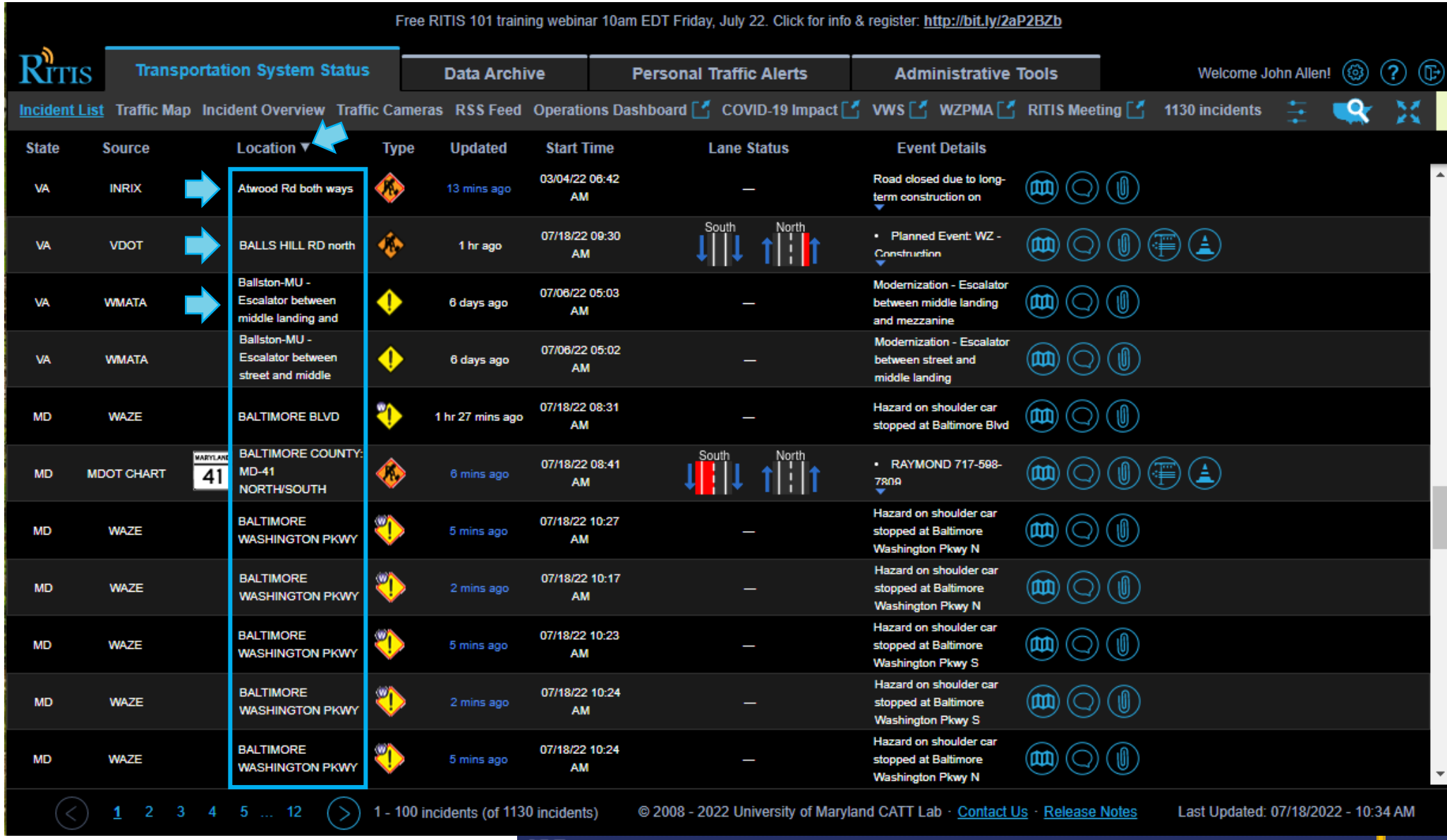
Updated the Traffic Map legend to include **Incident** and **Other** icons.



RITIS Release Notes

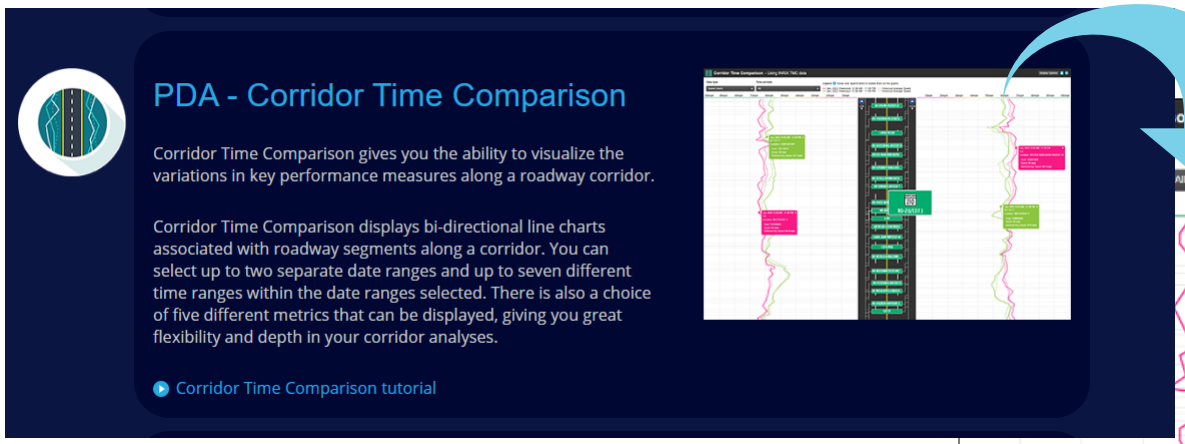
Incident List

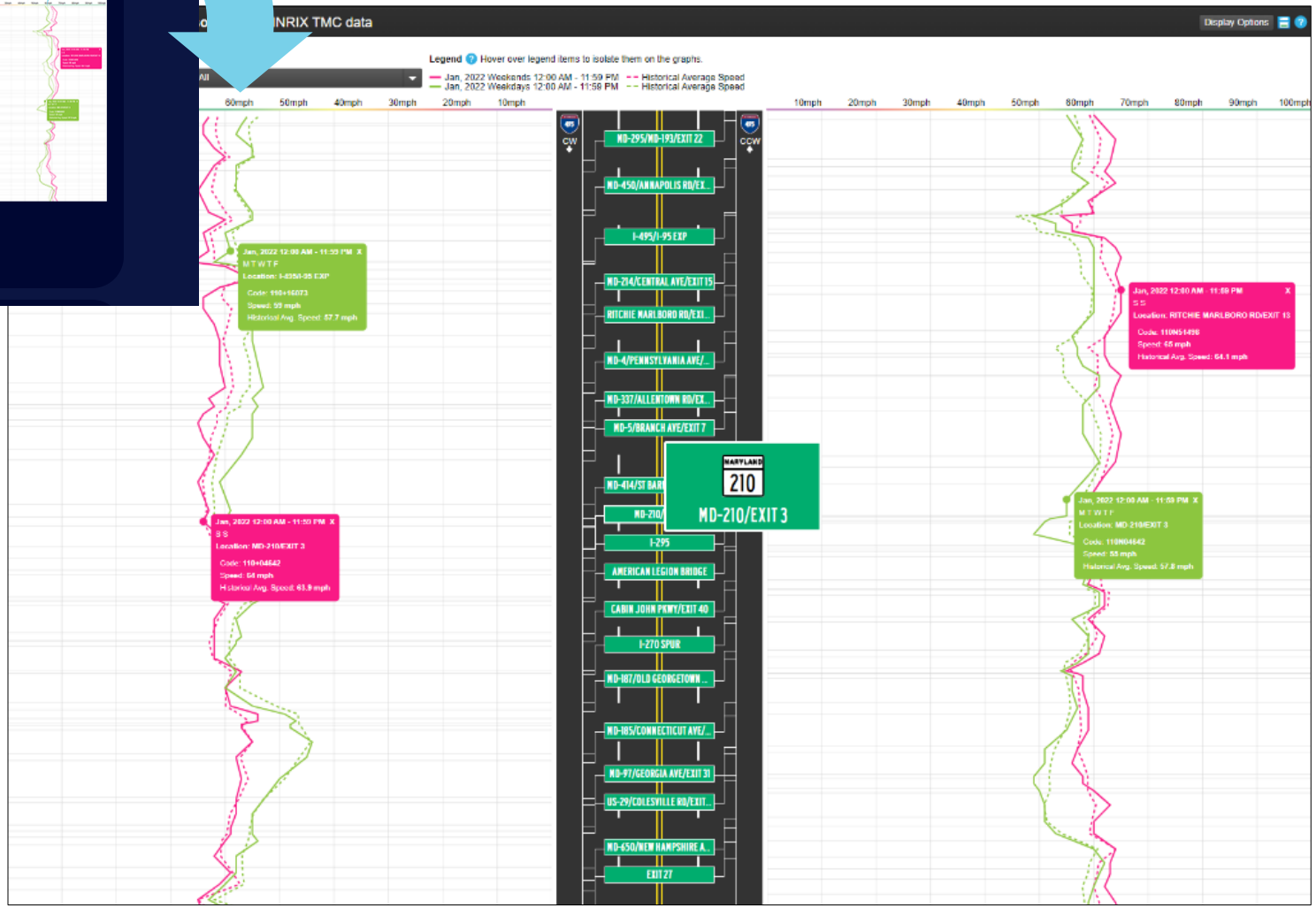
Improved the sort order on the Incident List page



RITIS Release Notes

RITIS Tool Catalog



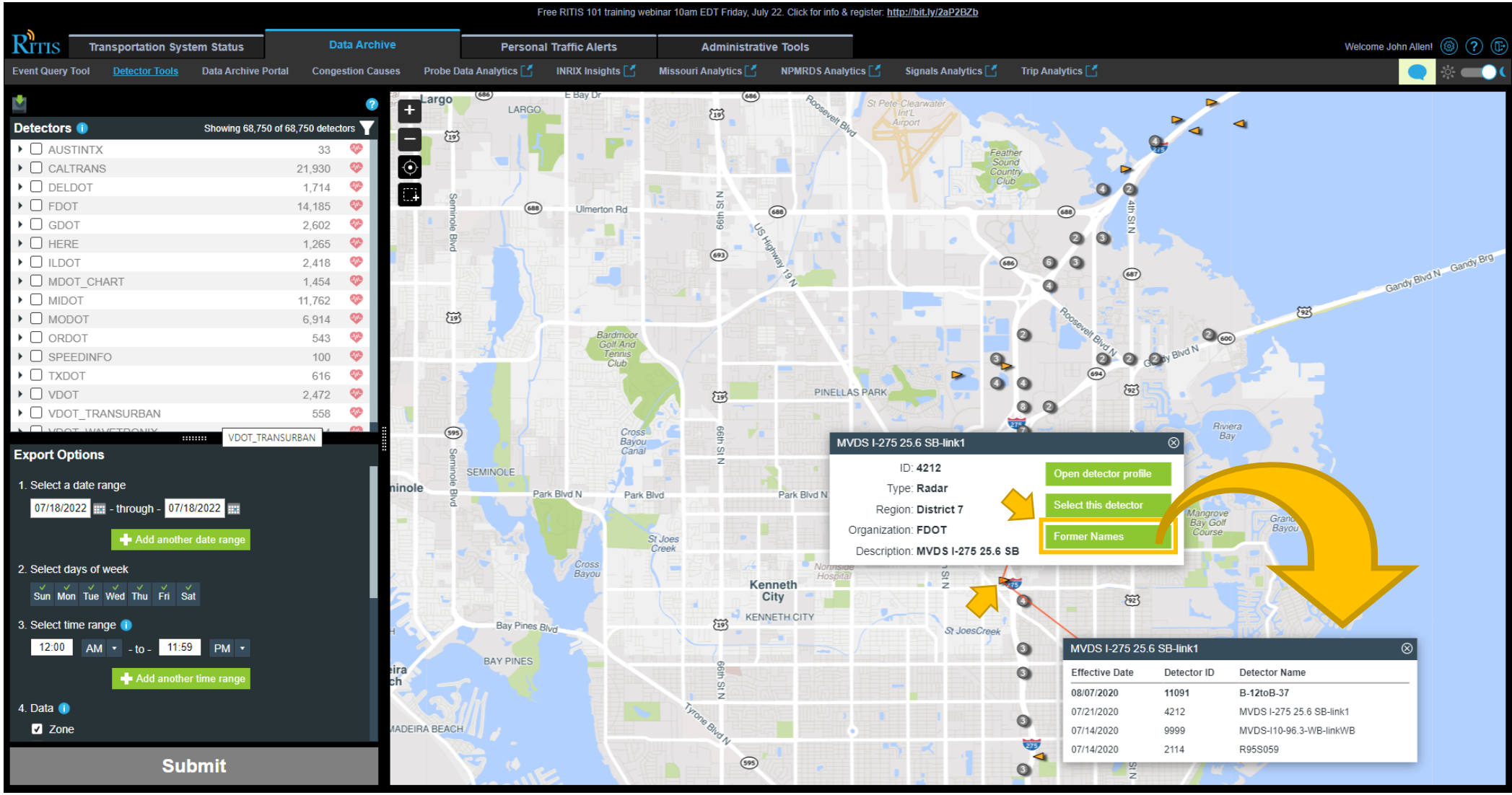


Updated the Tool Catalog to include the Probe Data Analytics Suite Corridor Time Comparison tool.

RITIS Release Notes

Detector Tools

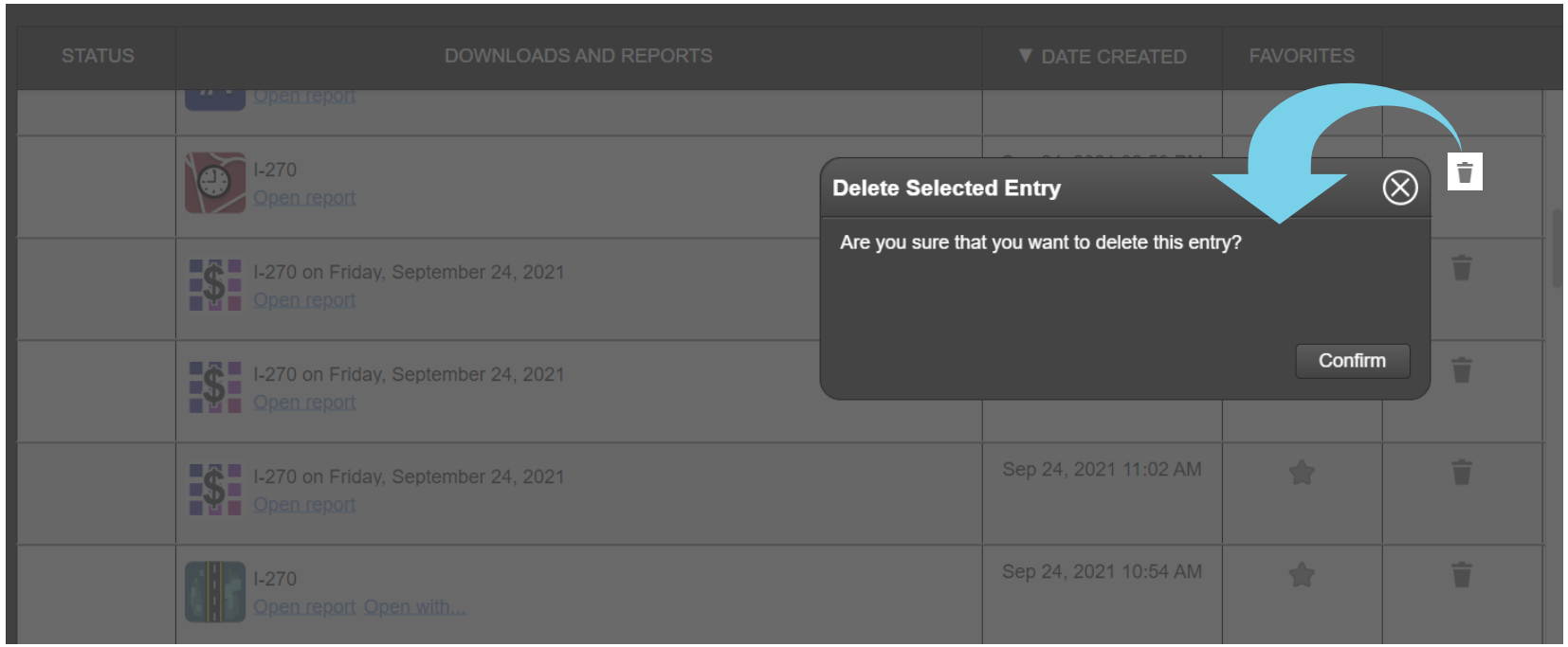
Added capability to show former names of a selected detector in Detector Tools.



RITIS Release Notes

My History

This new function allows you to delete reports from **My History** that you no longer need.



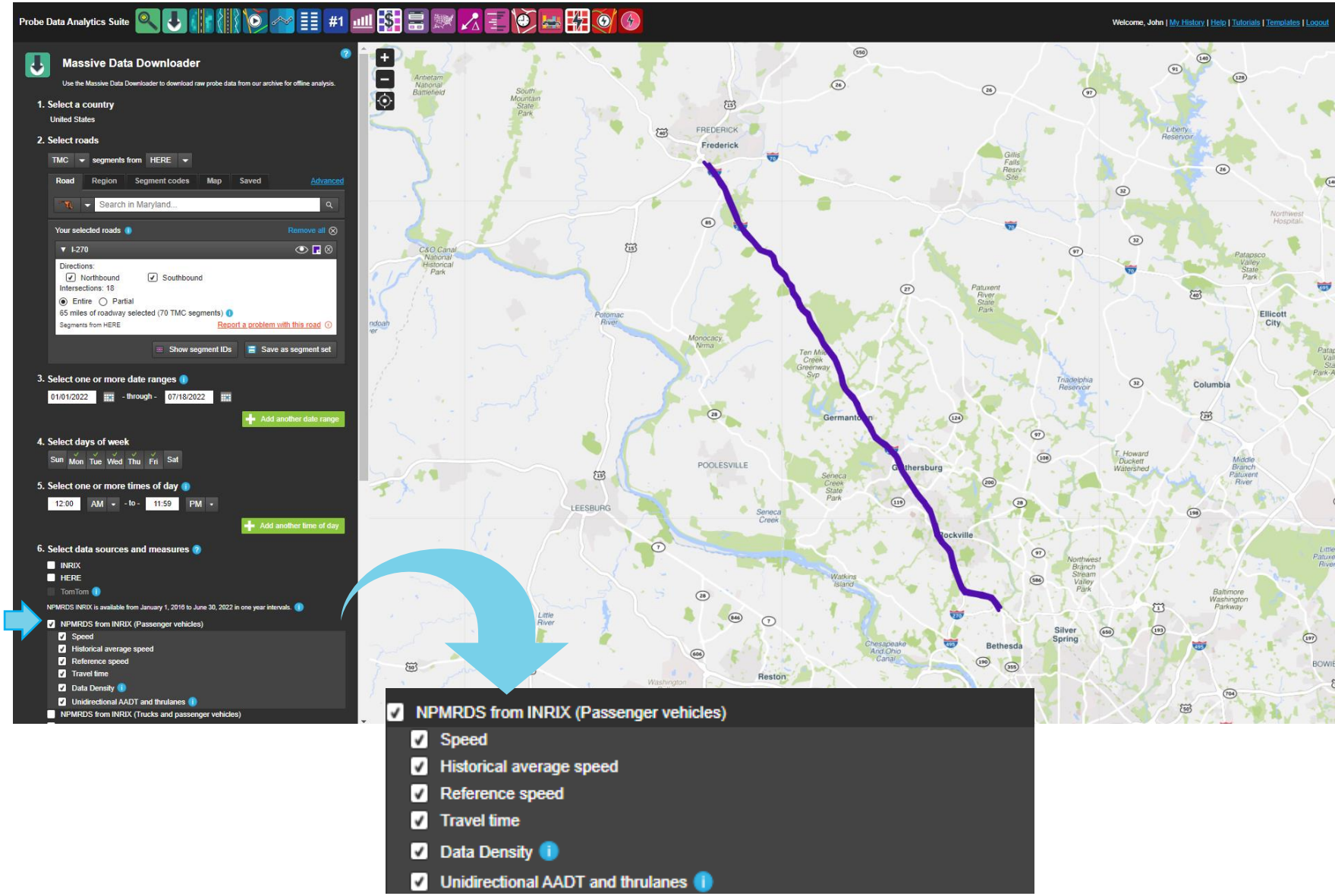
Massive Data Downloader

We've added four new optional columns to **MDDs** *NPMRDS from INRIX* exports with values for:

- estimated unidirectional thru lanes,
- AADT,
- single-unit truck & bus AADT, and
- combination truck AADT

where available.

You can choose whether to include these four new columns in your export as the last option under "Select data sources and measures".



Massive Data Downloader

We completed **Revision 2.0** to the NPMRDS **Descriptive Metadata Document** that includes many updates, as well as information on new optional fields available for NPMRDS data.

National Performance Management Research Data Set (NPMRDS)
Descriptive Metadata Document
Revision 2.0

Prepared by: Rick Schuman, Dataset Delivery PM, INRIX
Tom Jones, Deputy PM, University of Maryland, CATT Laboratory
Shawn Turner, Technical Lead Support, Texas A&M Transportation Institute

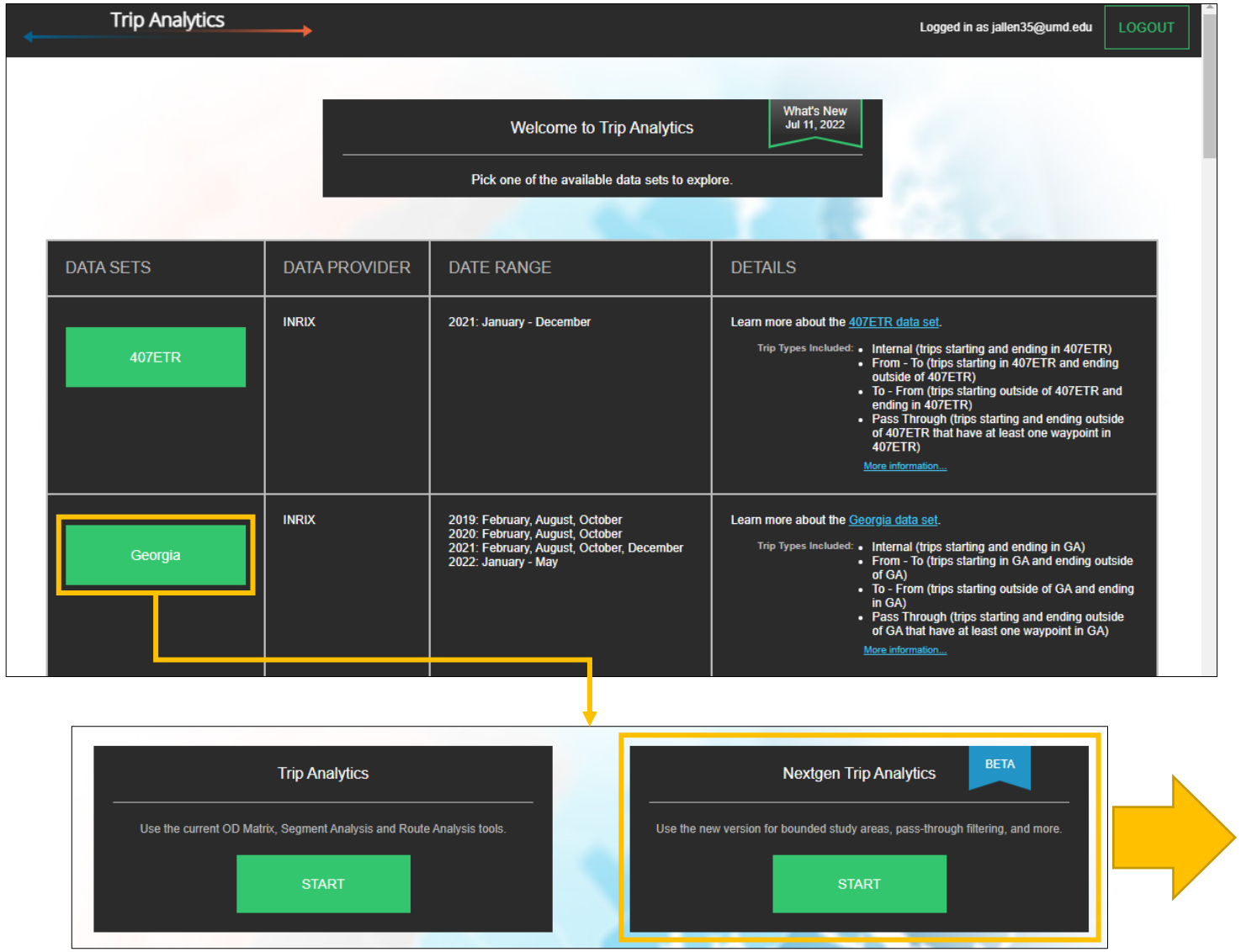
1

PDA Suite Latest Updates

NextGen Trips Analytics

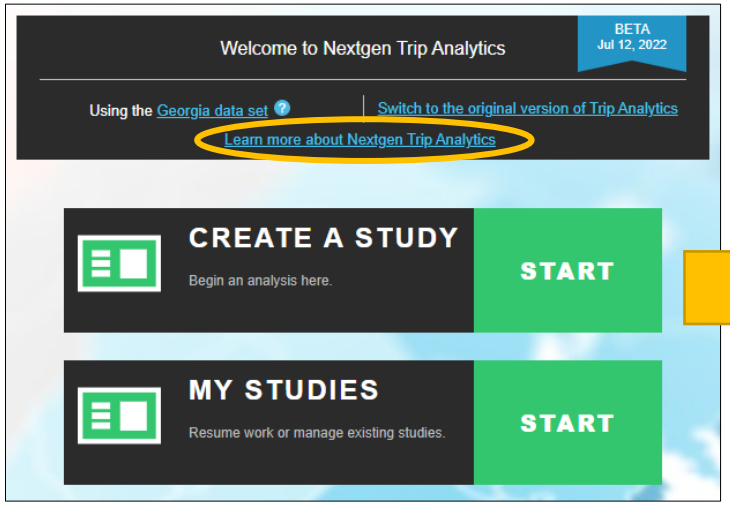
After you select a data set, if it has trip paths, you'll see a new menu letting you continue with the current tools or try **Nextgen Trips Analytics.**

The Nextgen option goes to the beta site that lets you preview the new features we're working on.

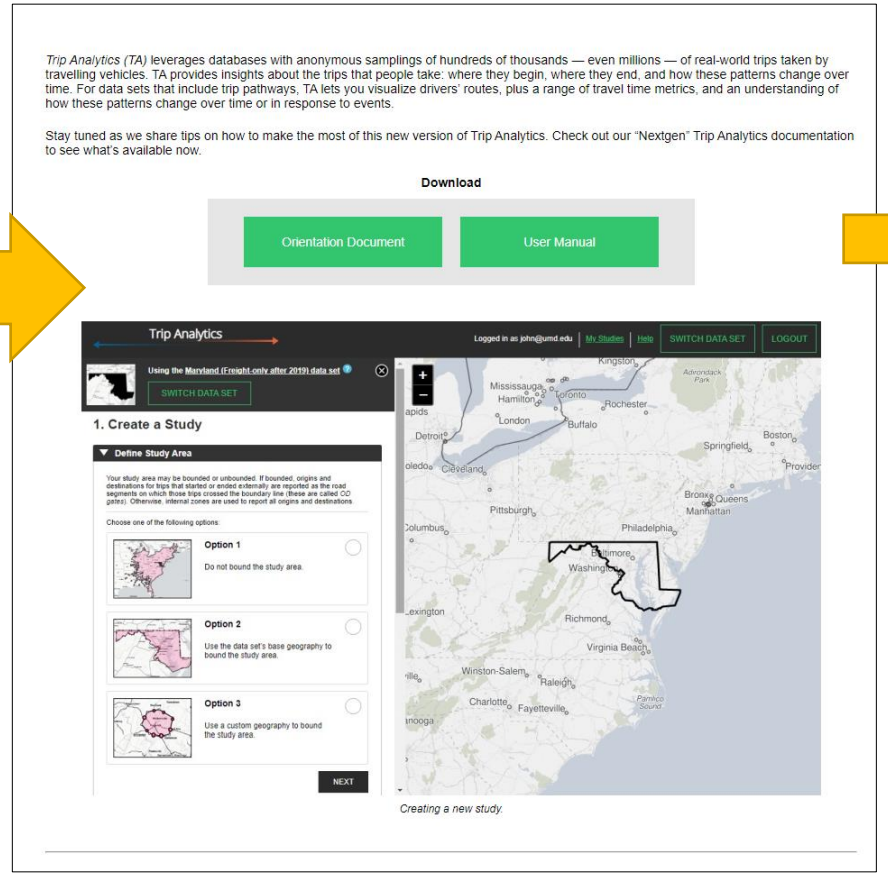


NextGen Trip Analytics

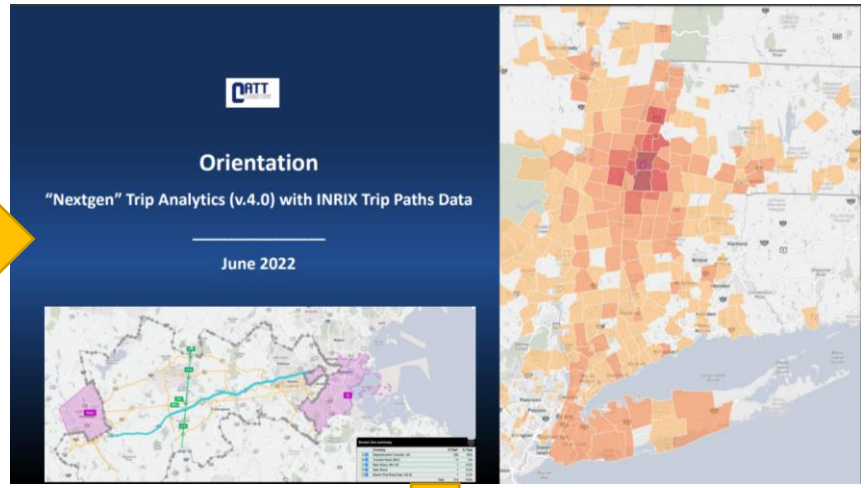
1 **Under NextGen Trip Analytics, click the "Learn more…" link**

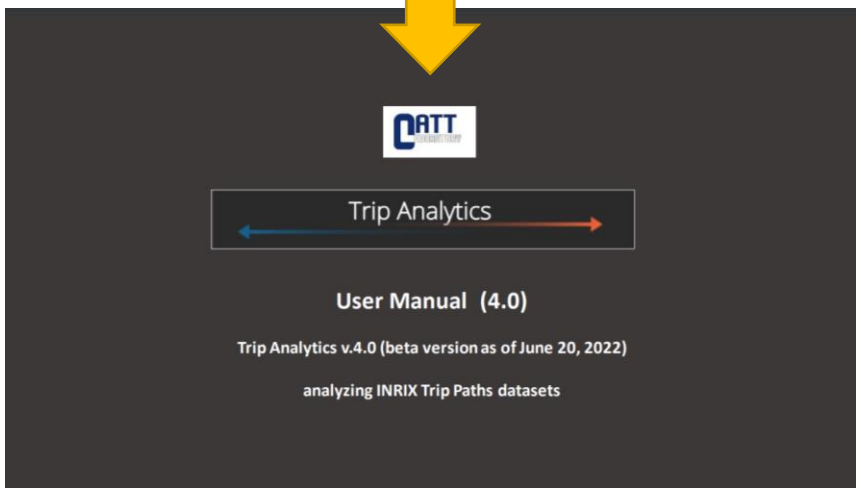


2 **Read about NextGen Trip Analytics, then click the buttons to download support documents…**



3 **Orientation / User Manual**





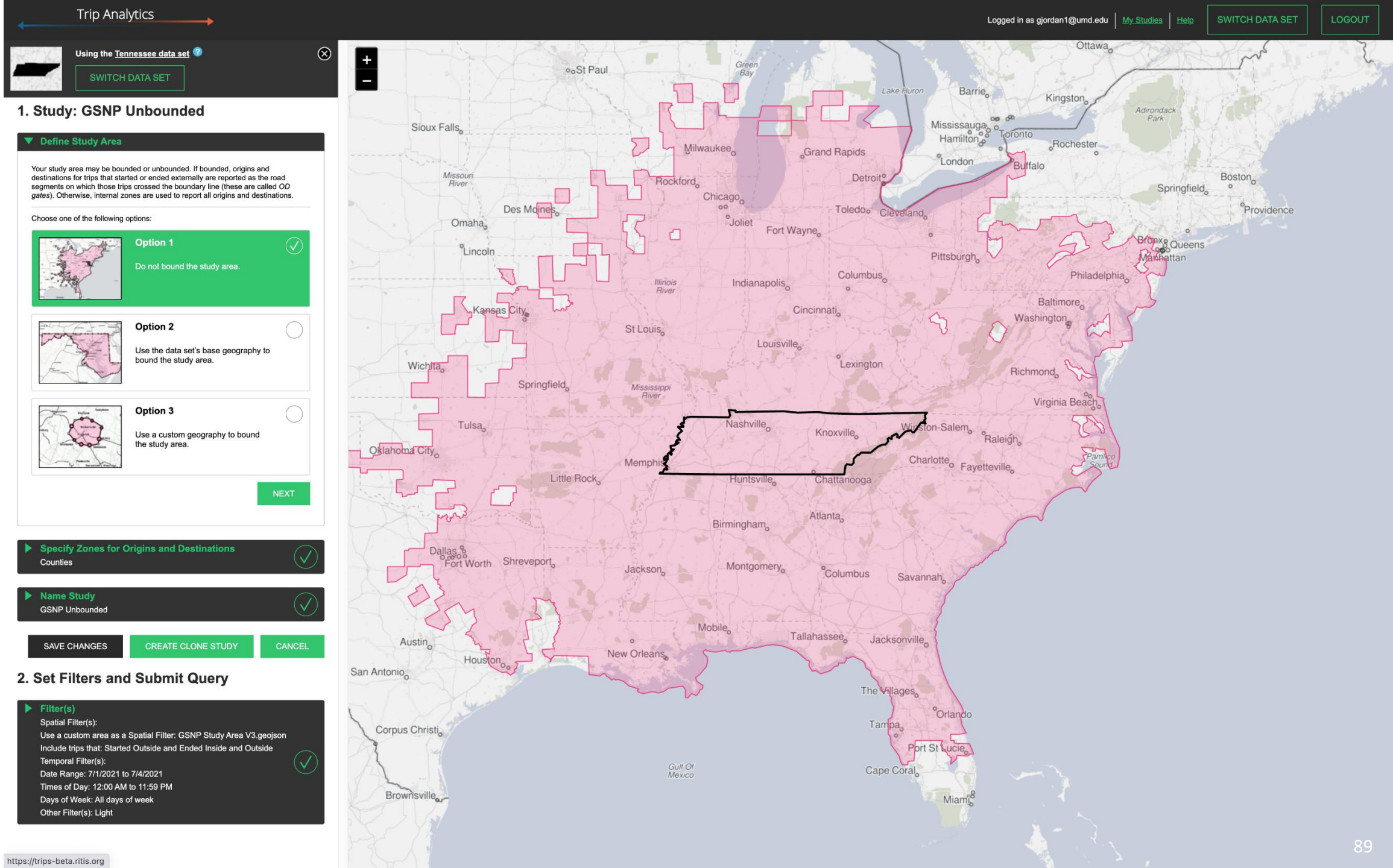
1. SET-UP

Type of study area

Zones for naming Os & Ds

Save the study

2. QUERY



1. SET-UP (done once)

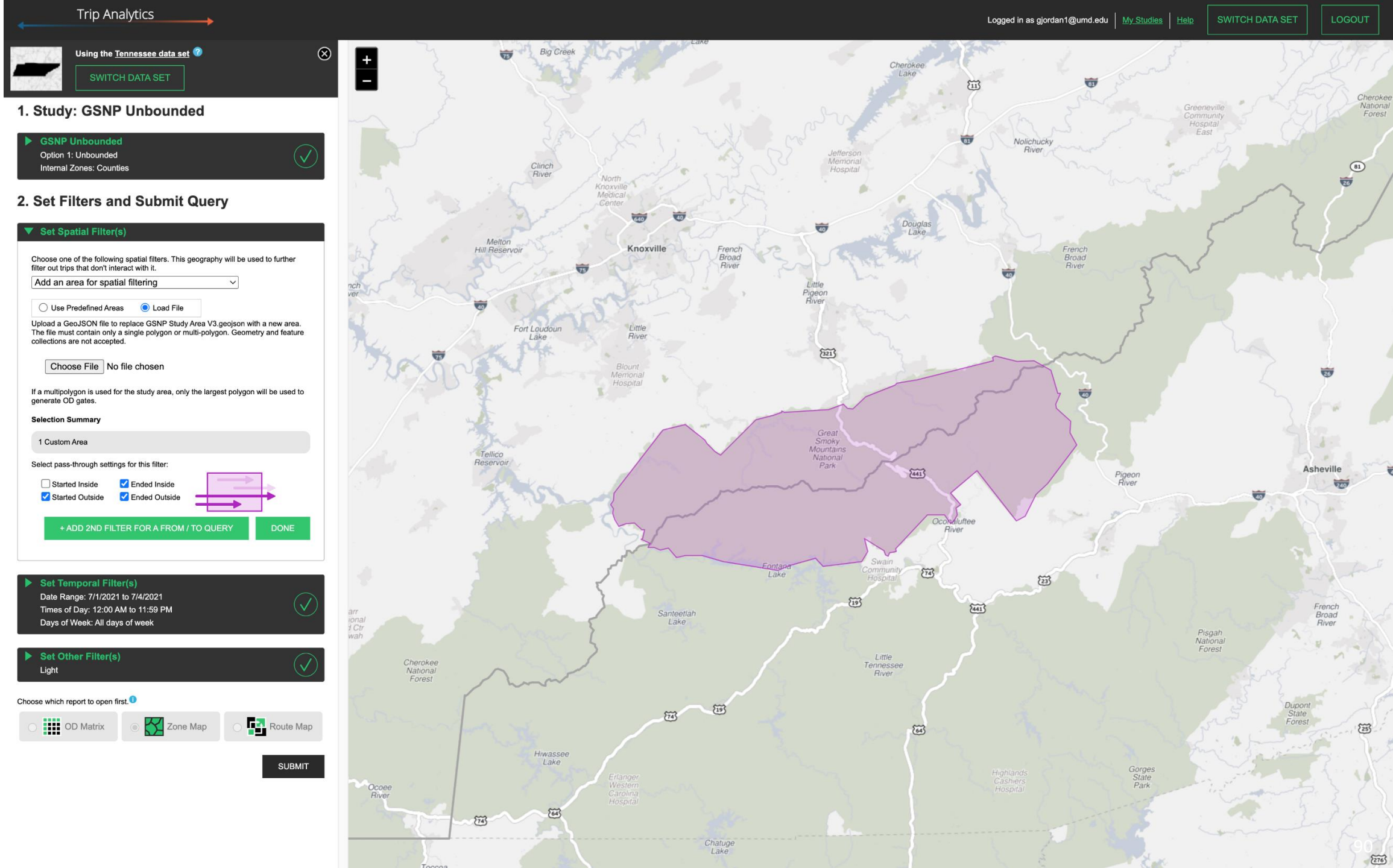
2. QUERY

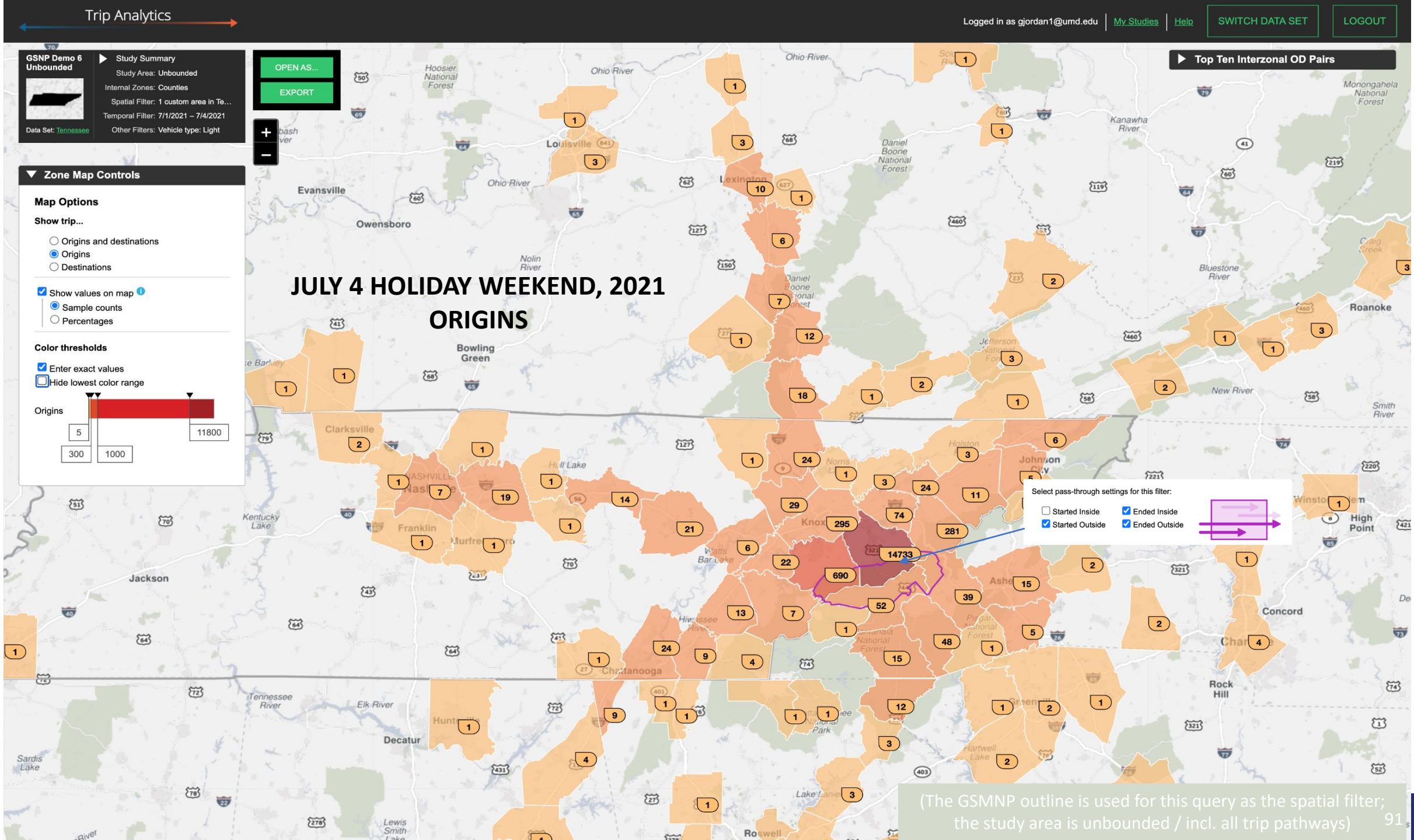
Where did they go?

When did they go there?

Which ones are “they”?

3. SUBMIT





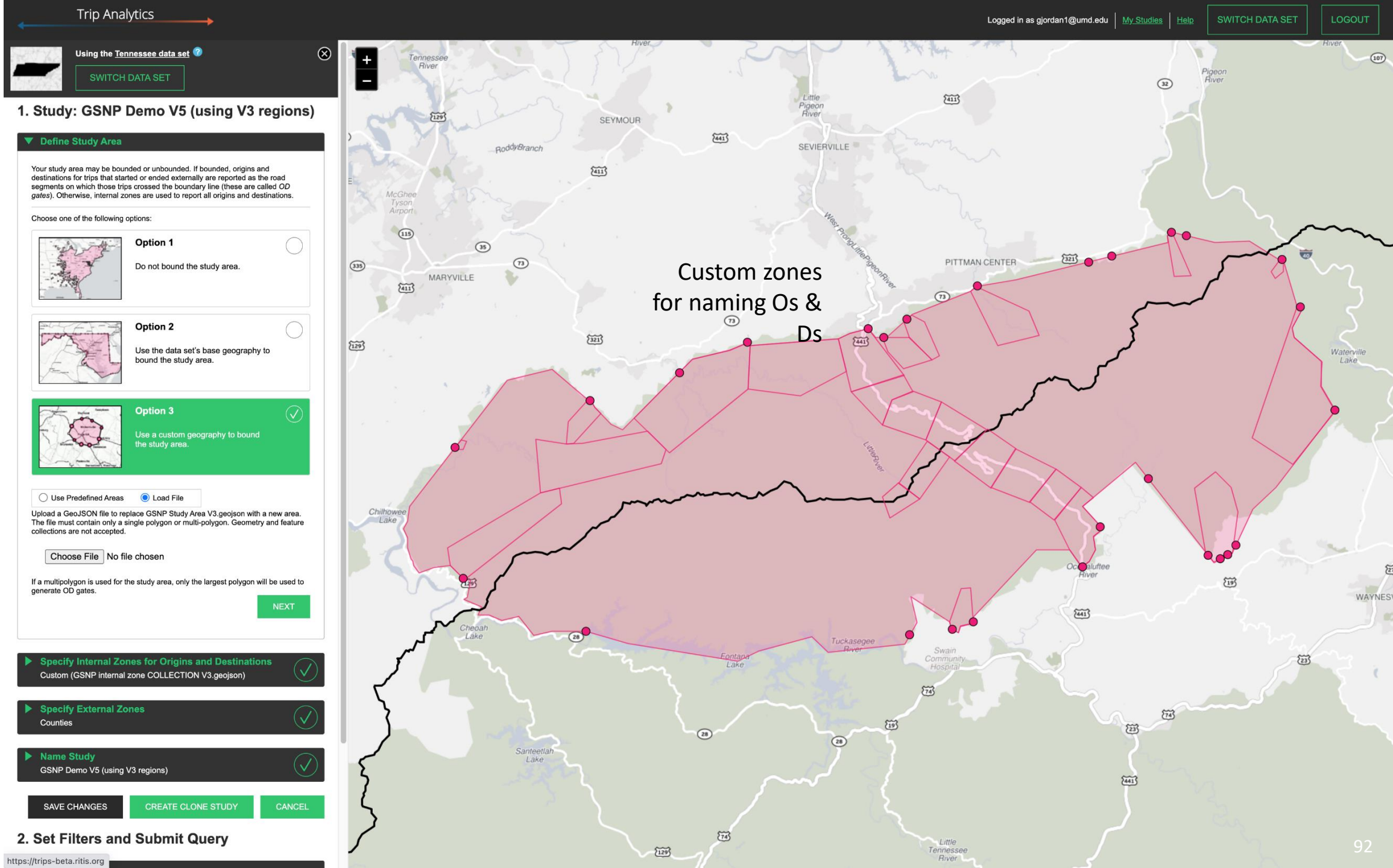
(The GSMNP outline is used for this query as the spatial filter; the study area is unbounded / incl. all trip pathways)

1. SET-UP

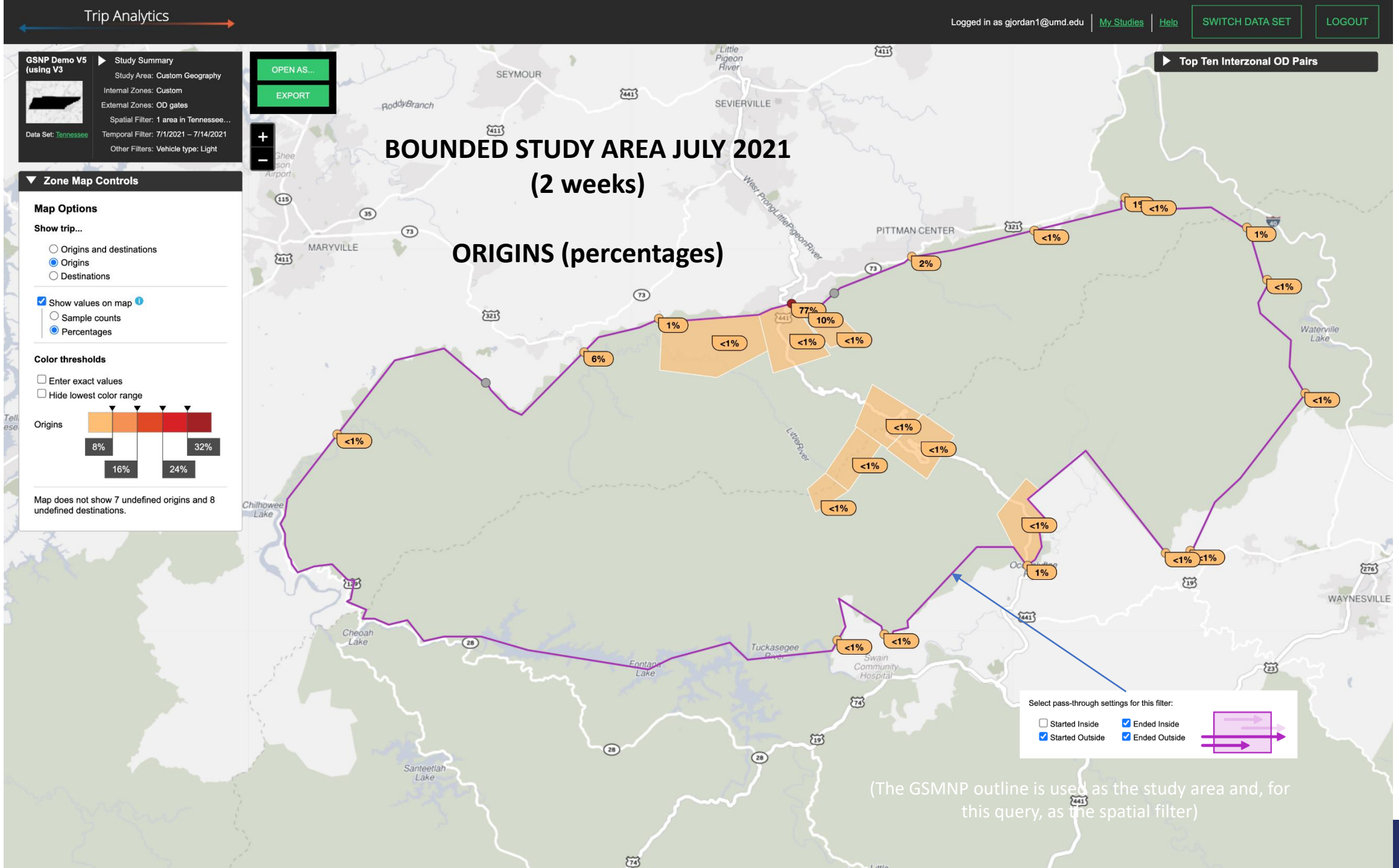
Type of study area

Zones for naming Os & Ds

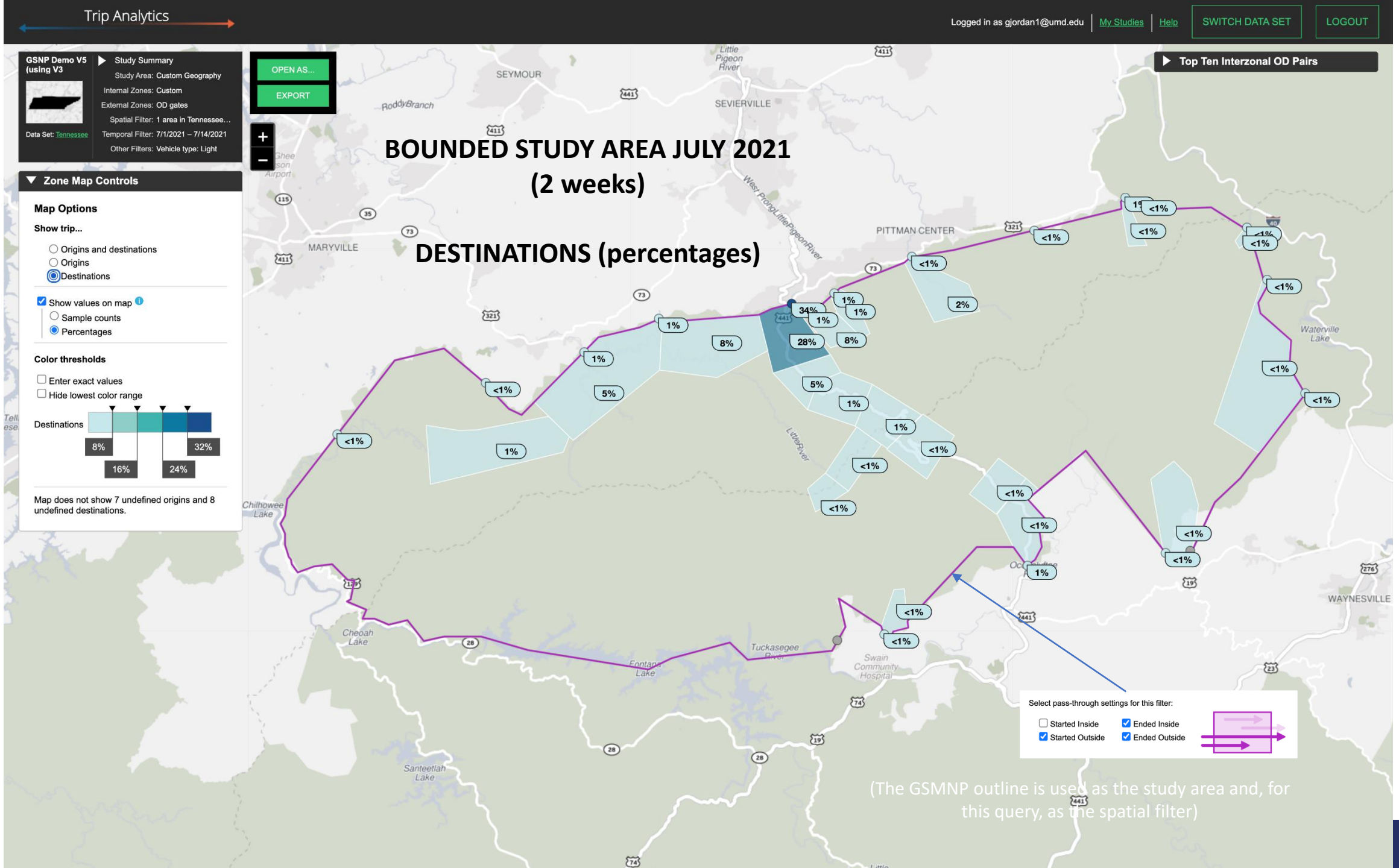
Save the study

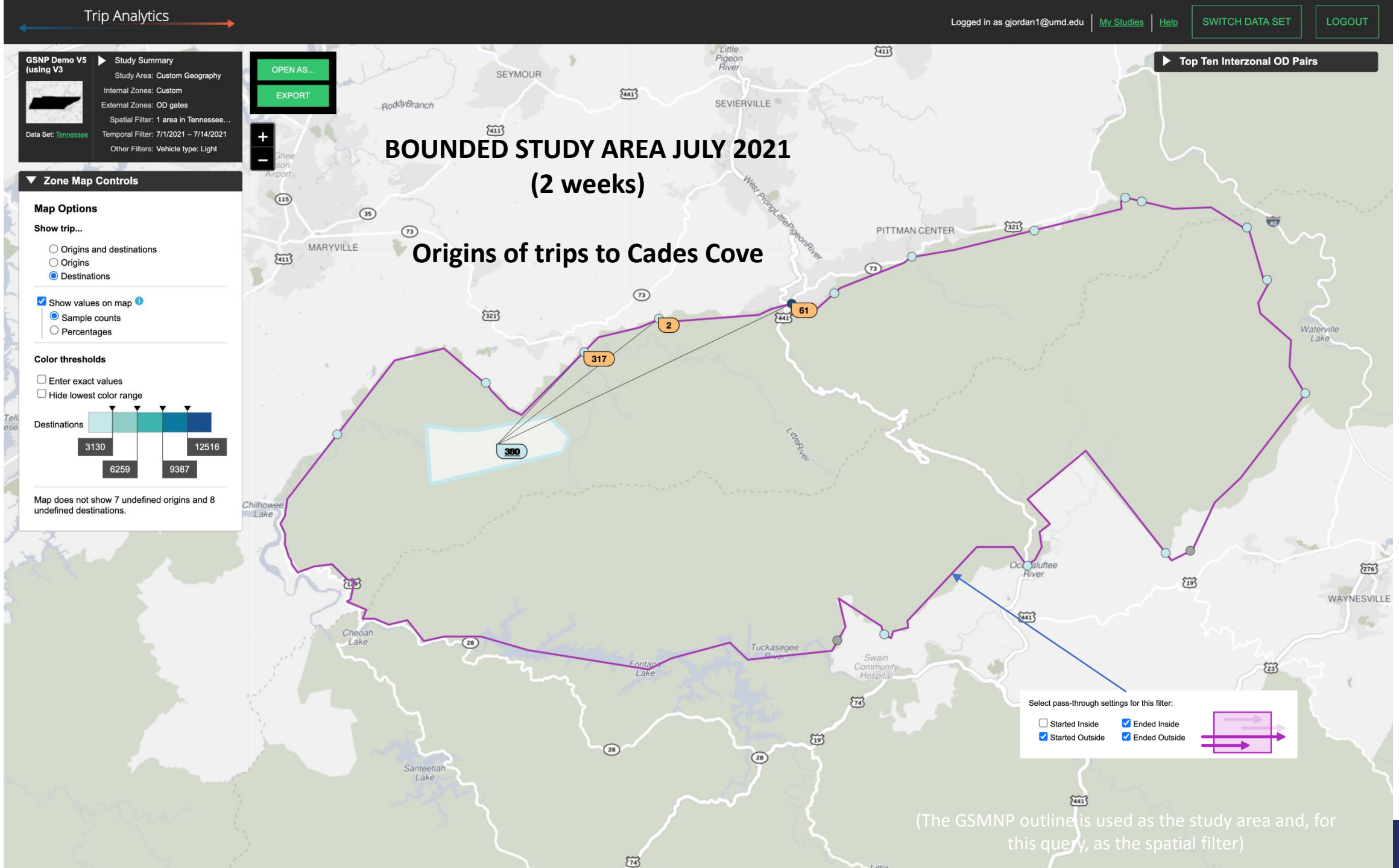


https://trips-beta.ritis.org



(The GSMNP outline is used as the study area and, for this query, as the spatial filter)


Trip Analytics
Logged in as gjordan1@umd.edu | My Studies | Help | SWITCH DATA SET | LOGOUT
GSNP Demo V5 (using V3
Data Set: Tennessee
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: OD gates
Spatial Filter: 1 area in Tennessee…
Temporal Filter: 7/1/2021 – 7/14/2021
Other Filters: Vehicle type: Light
OPEN AS...
EXPORT
Zone Map Controls
Map Options
Show trip...
Origins and destinations
Origins
Destinations
Show values on map
Sample counts
Percentages
Color thresholds
Enter exact values
Hide lowest color range
Destinations
8%
16%
24%
32%
Map does not show 7 undefined origins and 8 undefined destinations.
BOUNDED STUDY AREA JULY 2021
(2 weeks)
DESTINATIONS (percentages)
Top Ten Interzonal OD Pairs
SEYMOUR
SEVIERVILLE
MARYVILLE
PITTMAN CENTER
WAYNESVILLE
Waterville Lake
Chilhowee Lake
Cheoah Lake
Fontana Lake
Santeetlah Lake
Swain Community Hospital
Select pass-through settings for this filter:
Started Inside
Started Outside
Ended Inside
Ended Outside
(The GSMNP outline is used as the study area and, for this query, as the spatial filter)



(The GSMNP outline is used as the study area and, for this query, as the spatial filter)

1. SET-UP

Study area

OD zones

Save

2. QUERY

Trip Analytics

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Using the Tennessee data set

SWITCH DATA SET

1. Create a Study

Define Study Area
Option 3: Using Custom Geography as Study Area
Number of study area OD gates: 433

Specify Internal Zones for Origins and Destinations
TAZs

Specify External Zones

External zones will only be used when the analyst wants information beyond the OD gates, to understand where external (trimmed) legs actually started or ended. A control box will be provided later enabling the analyst to toggle between OD gates and external zones.

Select one...

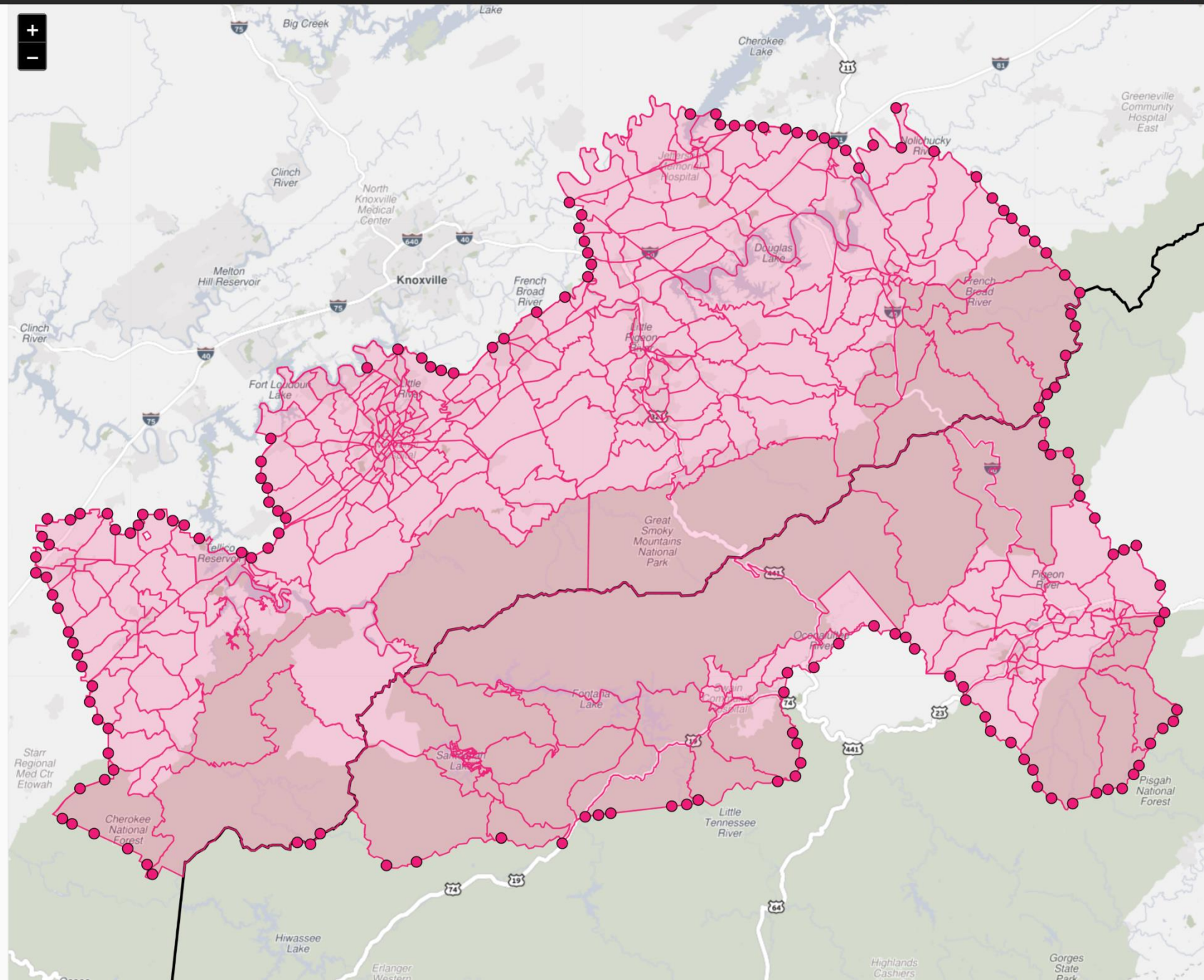
NEXT

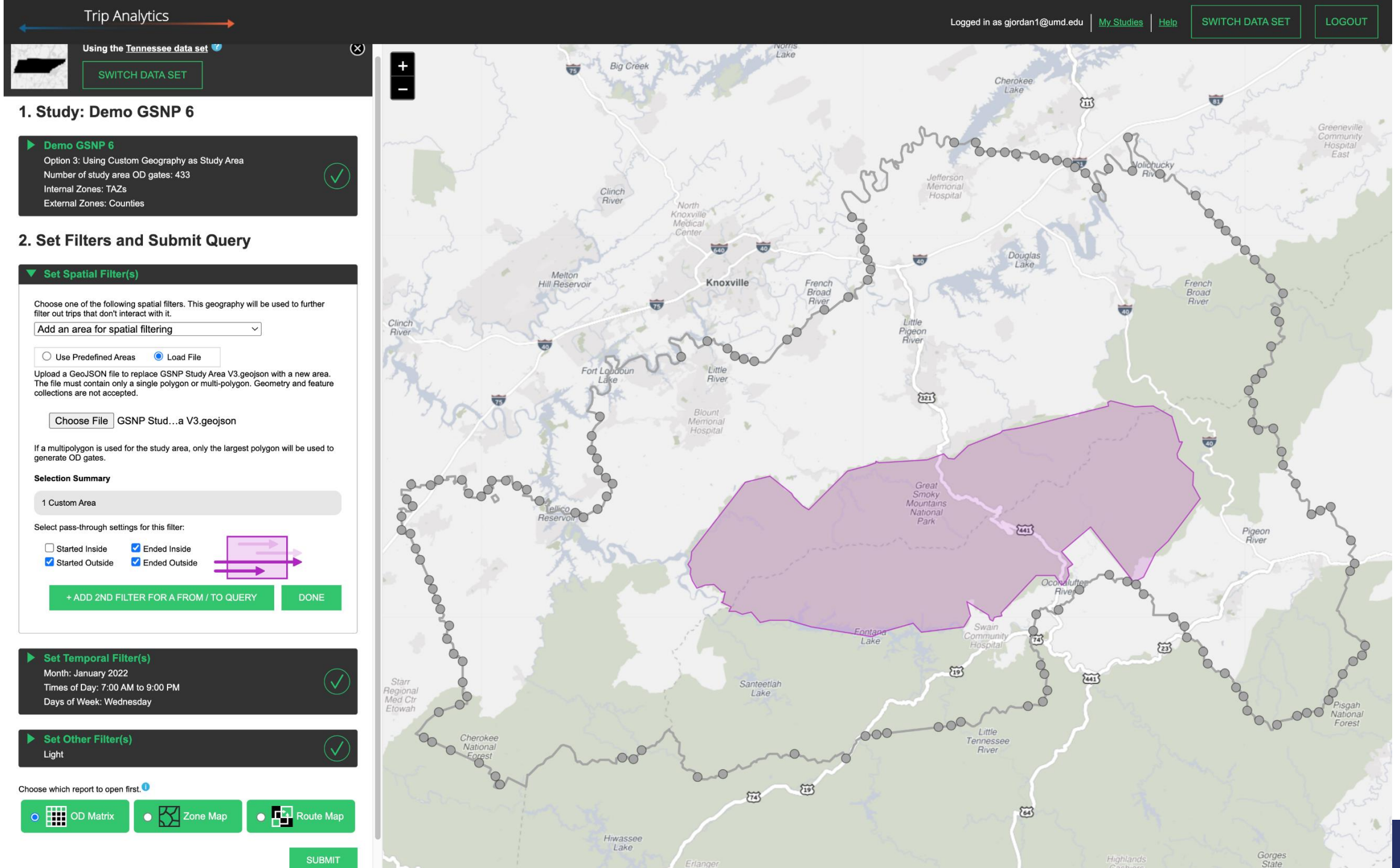
Name Study

SAVE STUDY AND PROCEED TO FILTERS

2. Set Filters and Submit Query

Filter(s)
Spatial Filter(s):
Use an area as a Spatial Filter: 0 counties in Tennessee data set
Include trips that: Started Inside and Ended Inside
Temporal Filter(s):
Month: March 2022
Times of Day: 7:00 AM to 8:59 AM
Days of Week: Tuesday, Wednesday and Thursday
Other Filter(s): All Vehicles




Trip Analytics
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My Studies
Help
SWITCH DATA SET
LOGOUT
Using the Tennessee data set
SWITCH DATA SET
1. Study: Demo GSNP 6
Demo GSNP 6
Option 3: Using Custom Geography as Study Area
Number of study area OD gates: 433
Internal Zones: TAZs
External Zones: Counties
2. Set Filters and Submit Query
Set Spatial Filter(s)
Choose one of the following spatial filters. This geography will be used to further filter out trips that don't interact with it.
Add an area for spatial filtering
Use Predefined Areas
Load File
Upload a GeoJSON file to replace GSNP Study Area V3.geojson with a new area. The file must contain only a single polygon or multi-polygon. Geometry and feature collections are not accepted.
Choose File
GSNP Stud…a V3.geojson
If a multipolygon is used for the study area, only the largest polygon will be used to generate OD gates.
Selection Summary
1 Custom Area
Select pass-through settings for this filter:
Started Inside
Ended Inside
Started Outside
Ended Outside
+ ADD 2ND FILTER FOR A FROM / TO QUERY
DONE
Set Temporal Filter(s)
Month: January 2022
Times of Day: 7:00 AM to 9:00 PM
Days of Week: Wednesday
Set Other Filter(s)
Light
Choose which report to open first.
OD Matrix
Zone Map
Route Map
SUBMIT
Knoxville
Great Smoky Mountains National Park
Fontana Lake
Santeetlah Lake
Cherokee Lake
Douglas Lake
Little Tennessee River
Pigeon River
French Broad River
Clinch River
Big Creek
Hiwassee Lake
Starr Regional Med Ctr Etowah
Cherokee National Forest
Pisgah National Forest
Swain Community Hospital
Jefferson Memorial Hospital
North Knoxville Medical Center
Melton Hill Reservoir
Fort Loudoun Lake
Little River
Blount Memorial Hospital
Little Pigeon River
Tellico Reservoir
Oconaluftee River
Greeneville Community Hospital East

Trip Analytics

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Demo GSNP 6

Data Set: Tennessee

Study Area: Custom Geography
Internal Zones: TAZs
External Zones: OD gates

Spatial Filter: 1 custom area in Tenness…
Temporal Filter: 1/1/2022 – 1/31/2022
Other Filters: Vehicle type: Light

3,159 trips in 2,466 routes

Display Options | OPEN AS… | EXPORT

Map	Rank	Route	# of Trips ▼	Length	Reliability
☑	1	Historic Nature Trail; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North; Fighting Creek Gap Road	105	6 mi	1.36
☑	2	Parkway, US 321, US 441; Wears Valley Road, US 321; East Lamar Alexander Parkway, SR 73 Scenic; Townsend Entrance Road	61	17 mi	1.22
☑	3	Parkway, US 321, US 441; Gatlinburg Spur Road, US 321, US 441; Gatlinburg Spur Road (south), US 321, US 441; Parkway, US 441; Newfound Gap Road North, US 441	52	12 mi	1.21
☑	4	Spirit Loop Way; Glory Ridge Way; Proffitt Road; Glades Road, CH 1284; East Parkway, US 321; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North	50	7 mi	1.4
☑	5	► I 40; Winfield Dunn Parkway, TN 66; Winfield Dunn Parkway, TN 66, SR 338; Forks of the River Parkway, US 441; Parkway; Parkway, US 441; Parkway, US 321, US 441; Gatlinburg Spur Road, US 321, US 441; Gatlint	50	33 mi	1.17
☑	6	Parkway, US 441; Newfound Gap Road North, US 441; Fighting Creek Gap Road	30	6 mi	1.74
☑	7	► I 40; Winfield Dunn Parkway, TN 66; Winfield Dunn Parkway, TN 66, SR 338; Forks of the River Parkway, US 441; Parkway; Parkway, US 441; Parkway, US 321, US 441; Gatlinburg Spur Road, US 321, US 441; Gatlint	30	27 mi	1.15
☑	8	Historic Nature Trail; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North; Fighting Creek Gap Road	26	2 mi	
	Total		3159		

Page Layout

- ☑ Table
- ☑ Map

Show on Map

- ☐ Only highlighted routes (blue)
- ☐ Labels

Trip Filters for Map

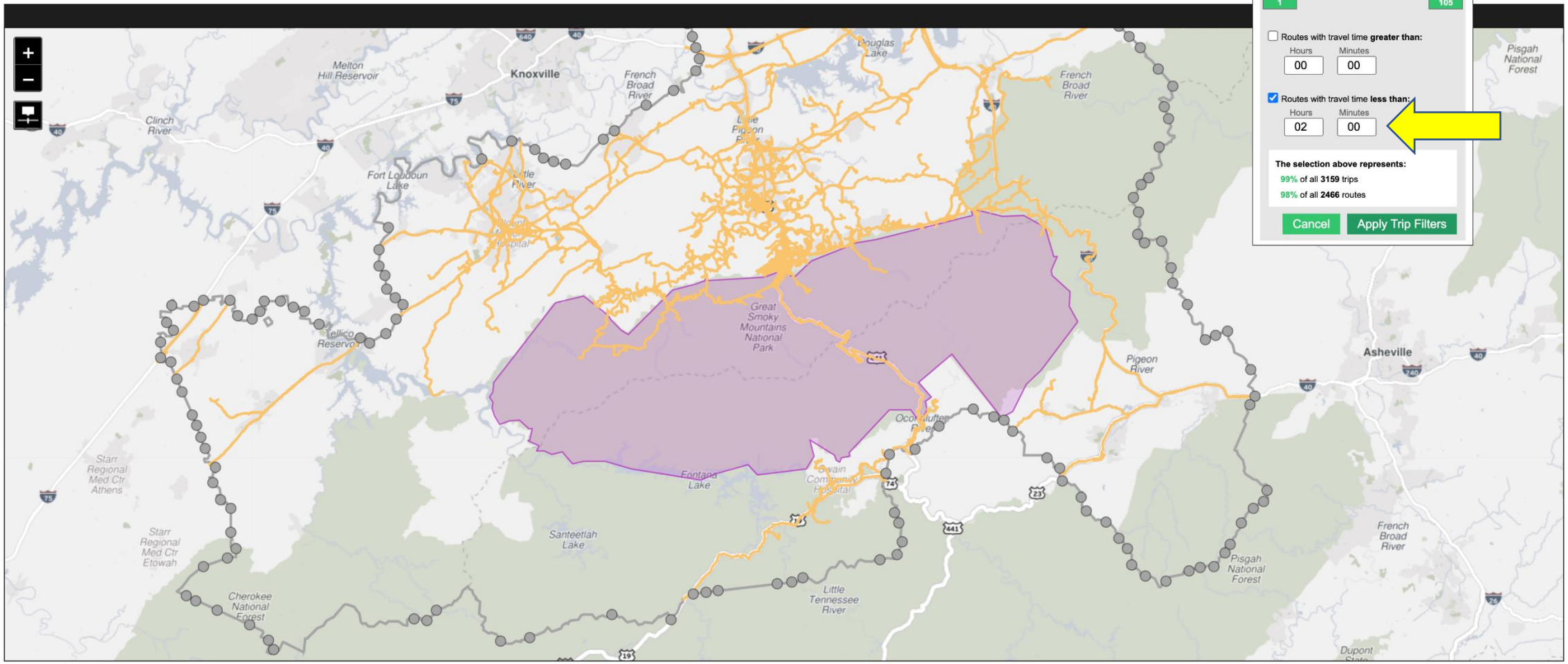
- ☑ Routes with the following number of trips: 1 to 105
- ☐ Routes with travel time **greater than:** Hours 00 Minutes 00
- ☑ Routes with travel time **less than:** Hours 02 Minutes 00

The selection above represents:

99% of all **3159** trips

98% of all **2466** routes

Cancel | Apply Trip Filters



Trip Analytics

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Demo GSNP 6

Data Set: Tennessee

Study Area: Custom Geography
Internal Zones: TAZs
External Zones: OD gates

Spatial Filter: 1 custom area in Tenness…
Temporal Filter: 1/1/2022 – 1/31/2022
Other Filters: Vehicle type: Light

3,159 trips in 2,466 routes

Display Options | OPEN AS… | EXPORT

Map	Rank	Route	# of Trips ▼	Length	Reliability
☑	1	Historic Nature Trail; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North; Fighting Creek Gap Road	105	6 mi	1.36
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☑	3	Parkway, US 321, US 441; Gatlinburg Spur Road, US 321, US 441; Gatlinburg Spur Road (south), US 321, US 441; Parkway, US 441; Newfound Gap Road North, US 441	52	12 mi	1.21
☑	4	Spirit Loop Way; Glory Ridge Way; Proffitt Road; Glades Road, CH 1284; East Parkway, US 321; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North	50	7 mi	1.4
☑	5	► I 40; Winfield Dunn Parkway, TN 66; Winfield Dunn Parkway, TN 66, SR 338; Forks of the River Parkway, US 441; Parkway; Parkway, US 441; Parkway, US 321, US 441; Gatlinburg Spur Road, US 321, US 441; Gatlint	50	33 mi	1.17
☑	6	Parkway, US 441; Newfound Gap Road North, US 441; Fighting Creek Gap Road	30	6 mi	1.74
☑	7	► I 40; Winfield Dunn Parkway, TN 66; Winfield Dunn Parkway, TN 66, SR 338; Forks of the River Parkway, US 441; Parkway; Parkway, US 441; Parkway, US 321, US 441; Gatlinburg Spur Road, US 321, US 441; Gatlint	30	27 mi	1.15
☑	8	Historic Nature Trail; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North; Fighting Creek Gap Road	26	2 mi	1.28
	Total		3159		

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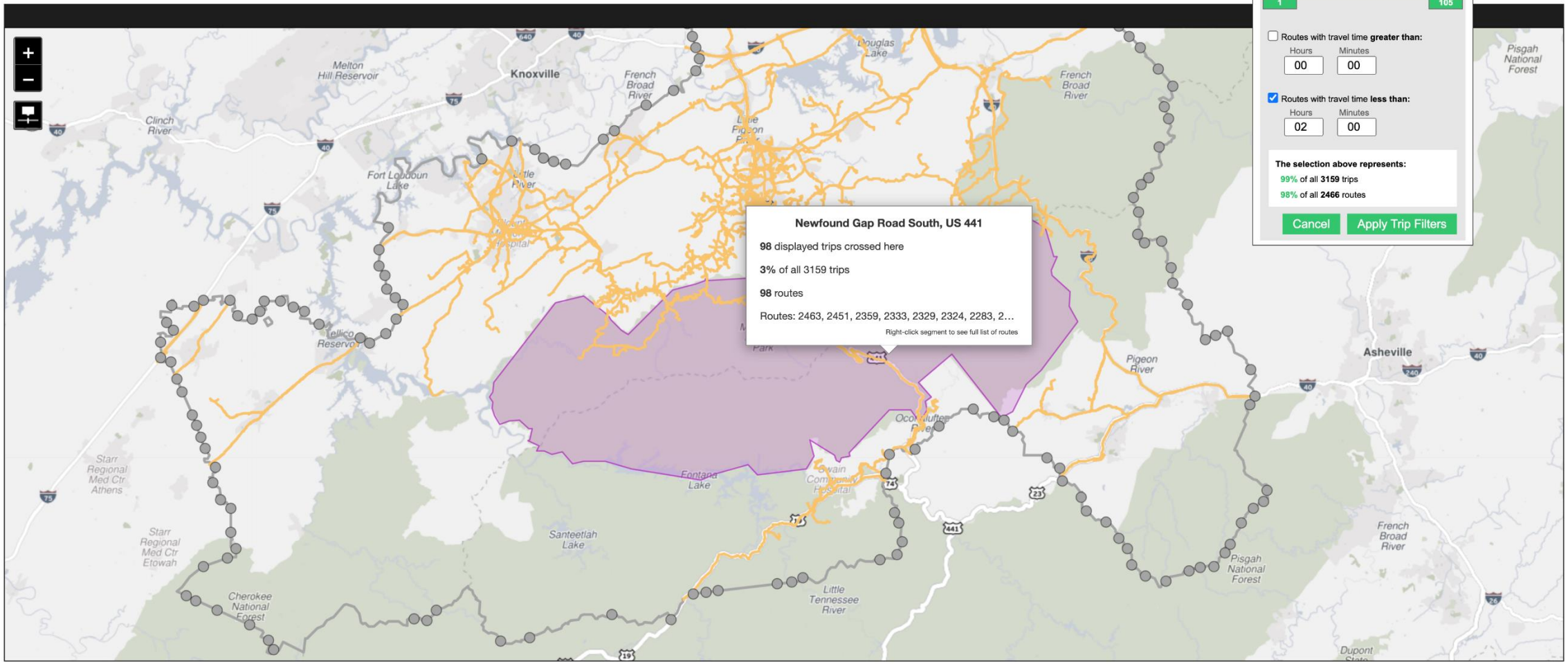

Trip Analytics

Logged in as gjordan1@umd.edu | My Studies | Help | SWITCH DATA SET | LOGOUT

Demo GSNP 6

Data Set: Tennessee

Study Area: Custom Geography
Internal Zones: TAZs
External Zones: OD gates

Spatial Filter: 1 custom area in Tenness…
Temporal Filter: 1/1/2022 – 1/31/2022
Other Filters: Vehicle type: Light

3,159 trips in 2,466 routes

Display Options | OPEN AS… | EXPORT

Map	Rank	Route	# of Trips ▼	Length	Reliability
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☑	4	Spirit Loop Way; Glory Ridge Way; Proffitt Road; Glades Road, CH 1284; East Parkway, US 321; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North	50	7 mi	1.4
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☑	6	Parkway, US 441; Newfound Gap Road North, US 441; Fighting Creek Gap Road	30	6 mi	1.74
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☑ Map

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☑ Routes with travel time **less than:** Hours 02 Minutes 00

The selection above represents:
99% of all **3159** trips
98% of all **2466** routes

Cancel | Apply Trip Filters

Newfound Gap Road South, US 441

98 displayed trips crossed here

3% of all 3159 trips

98 routes (highlighted on the map and the table)

Routes: 2463, 2451, 2359, 2333, 2329, 2324, 2283, 2…

Right-click segment to see full list of routes

Trip Analytics

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Demo GSNP 6

Data Set: Tennessee

Study Area: Custom Geography | Spatial Filter: 1 custom area in Tenness…
Internal Zones: TAZs | Temporal Filter: 1/1/2022 – 1/31/2022
External Zones: OD gates | Other Filters: Vehicle type: Light

3,159 trips in 2,466 routes

Display Options | OPEN AS… | EXPORT

Map	Rank	Route	# of Trips ▼	Length	Travel Time	Avg TT	Min TT	Max TT	Reliability
☑	1	Historic Nature Trail; Parkway, US 441; Newfound Gap Road North, US 441; Gatlinburg Bypass Road; Newfound Gap Road North; Fighting Creek Gap Road	105	6 mi	12 m	12 m	2 m	32 m	1.36
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☑	6	Parkway, US 441; Newfound Gap Road North, US 441; Fighting Creek Gap Road	30	6 mi	10 m	13 m	4 m	32 m	1.74
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	Total		3159						

Screen line summary

Trip Analytics

Logged in as gjordan1@umd.edu | My Studies | Help | SWITCH DATA SET | LOGOUT

Demo GSNP 6

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Study Area: Custom Geography | Spatial Filter: 1 custom area in Tenness…
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3,159 trips in 2,466 routes

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	Total		3159						

Screen line summary

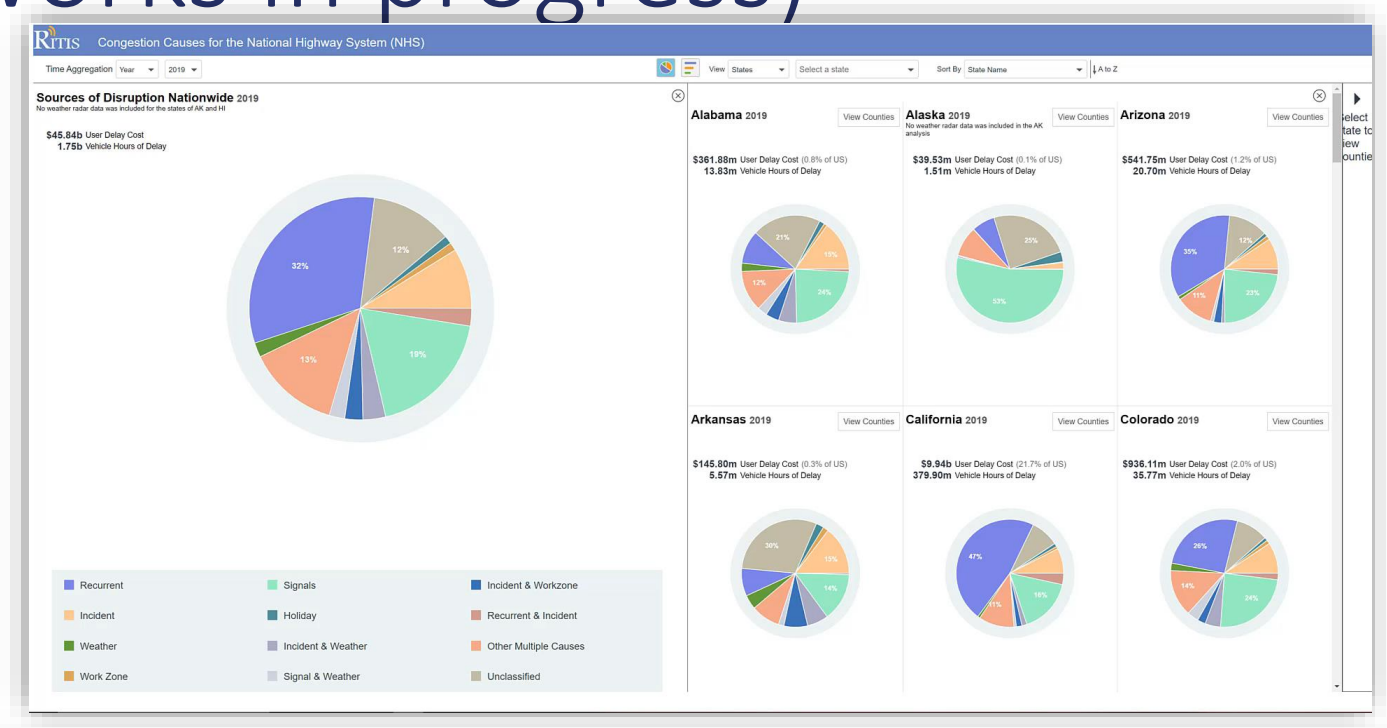
Corrected Issues

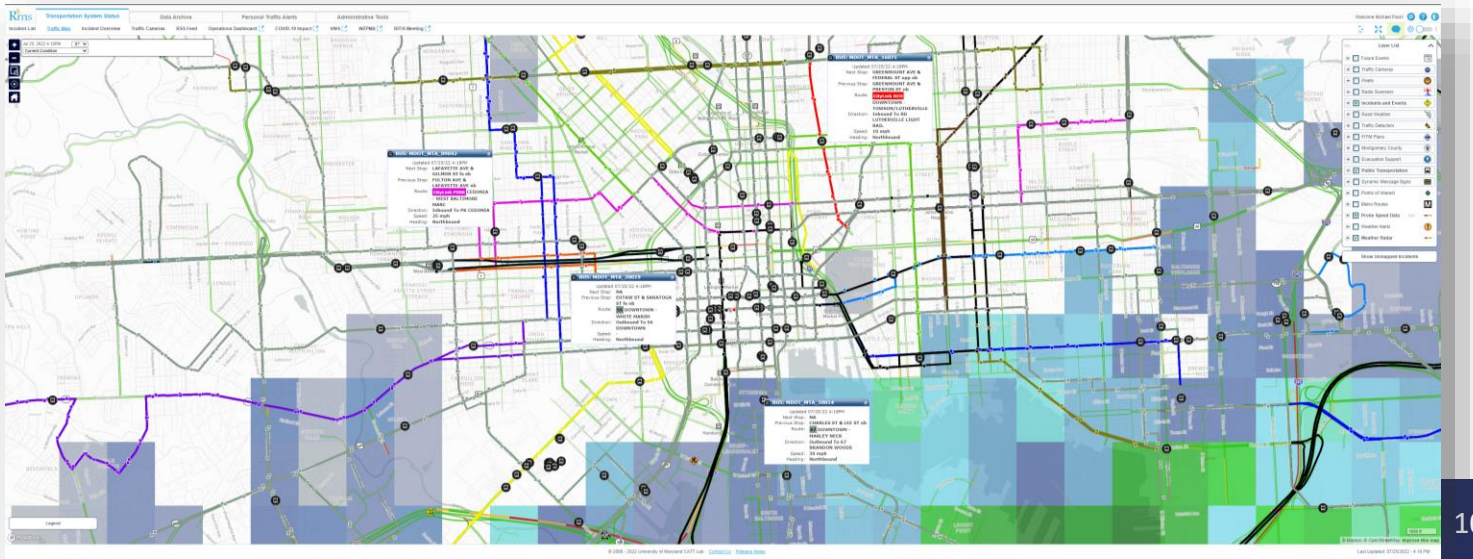
- ✓ Fixed an issue that prevented the previous and next arrows from being disabled on the **Incident List** page
- ✓ When reordering **Traffic Map** layers, sub-menus now automatically close
- ✓ Disabled **Traffic Map** layers are now ordered properly when re-enabled
- ✓ Fixed an issue that caused errors on the **Public Transportation** layer on the **Traffic Map** when showing large numbers of transit routes
- ✓ Fixed an issue in the **WZPMA** that prevented some work zone profiles from showing Associated DMS, Nearby Cameras, and Nearby Incidents
- ✓ Fixed an issue that prevented the **WZPMA** Profile page from loading data when an associated TMC had recently been updated

RITIS Release Notes

Almost finished (or works in progress)

- Causes of Congestion Deep Dive Analytics
- Transit Layer Visualizations and Optimization
- Bikeshare locations and related data in D.C.





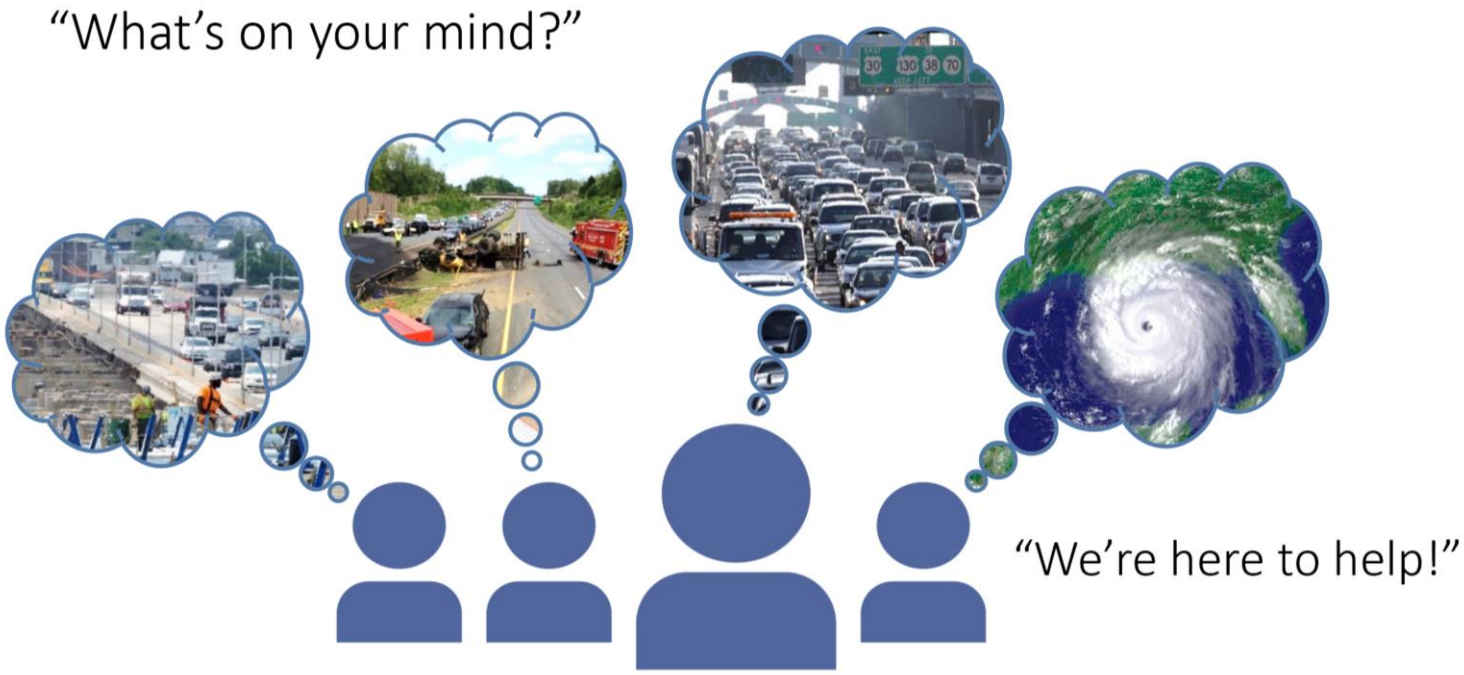
RITIS | PROBE DATA ANALYTICS SUITE

Agency Input Session

Michael Pack
UMD CATT Lab
Director

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 Q&A box or with an email to support@ritis.org



Wrap Up

Jesse Buerk
Manager, Office of Capital Programs
RITIS User Group Co-chair
DVRPC

Questions?

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RITIS Tech Support	support@ritis.org	
PDA Suite Tech Support	pda-support@ritis.org	

Thank you!

CATT LABORATORY

THE EASTERN TRANSPORTATION COALITION