RITIS User Group

RITIS User Group Web Meeting

June 12, 2025

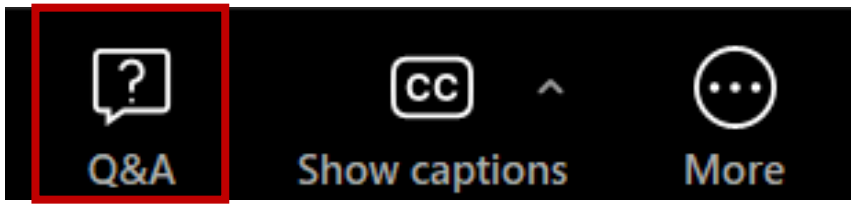
In collaboration with THE EASTERN TRANSPORTATION COALITION

Welcome!

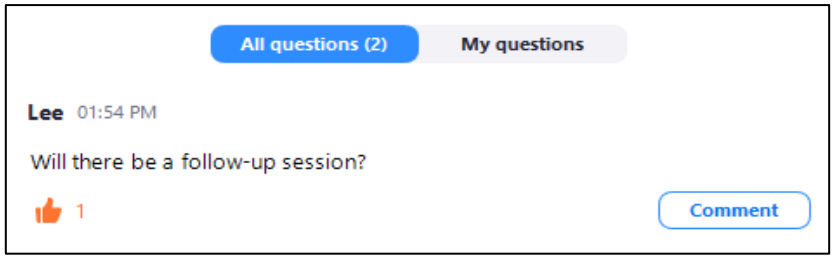
- We are using Zoom **Webinar**
- **AUDIO (Computer):** Use your computer speakers and microphone by clicking the "Join Audio" button at the bottom left of the screen. You will be muted.
- **Alternate Audio (Phone):** Call into the meeting by dialing the phone number based on your location (provided 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 Nicole directly via email (nforest@tetcoalition.org)
- Please use the **Q&A box** for questions to the presenters. The **Chatbox** is not available to participants.

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 at the end of each presentation 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**

Welcome from the Coalition and upcoming RITIS Events!

Nicole Forest
The Eastern Transportation Coalition
TSMO Program Associate

Event	Date
RITIS User Group Web Meeting	September 4, 2025 1:30pm-3:00pm

Welcome & Introductions

Matt Glasser
National TSMO Account Lead
Arcadis
RITIS User Group Co-chair

Today's Meeting

RITIS Events Update Welcome & Introductions	Nicole Forest, The Eastern Transportation Coalition Matt Glasser, Arcadis & RITIS User Group Co-chair
Agency Spotlight Presentation: Data-Driven Exploration of the Selmon Expressway using RITIS	Bob Frey, THEA's Director of Planning & Innovation Charles Lattimer, UMD CATT Lab
Overview of Upcoming Truck Parking Analytics Capabilities	Greg Jordan, UMD CATT Lab
Review of new features and capabilities along with work in progress	Michael Pack, UMD CATT Lab
User Feedback Session & Wrap Up	Michael Pack & Matt Glasser

Today's Speakers

Michael Pack
UMD CATT Lab
Director

Charles Lattimer
University of Maryland CATT Lab
Public Outreach & Signal Analytics

Bob Frey
Massachusetts DOT
Director of Project-Oriented Planning

Greg Jordan
University of Maryland CATT Lab
Public Outreach & Mobility Analytics Expert

Bob Frey
Tampa Hillsborough Expressway Authority (THEA)
Director of Planning & Innovation

FHWA HPMS Nationwide Reporting of PM3 Reliability and Excessive Delay Metrics

PM3 Update

The purpose: encourage, assist and *require* agencies to use today's data sources to make smarter investments in transportation-related infrastructure and policies

Per the requirements in the MAP-21 Law signed July 6, 2012

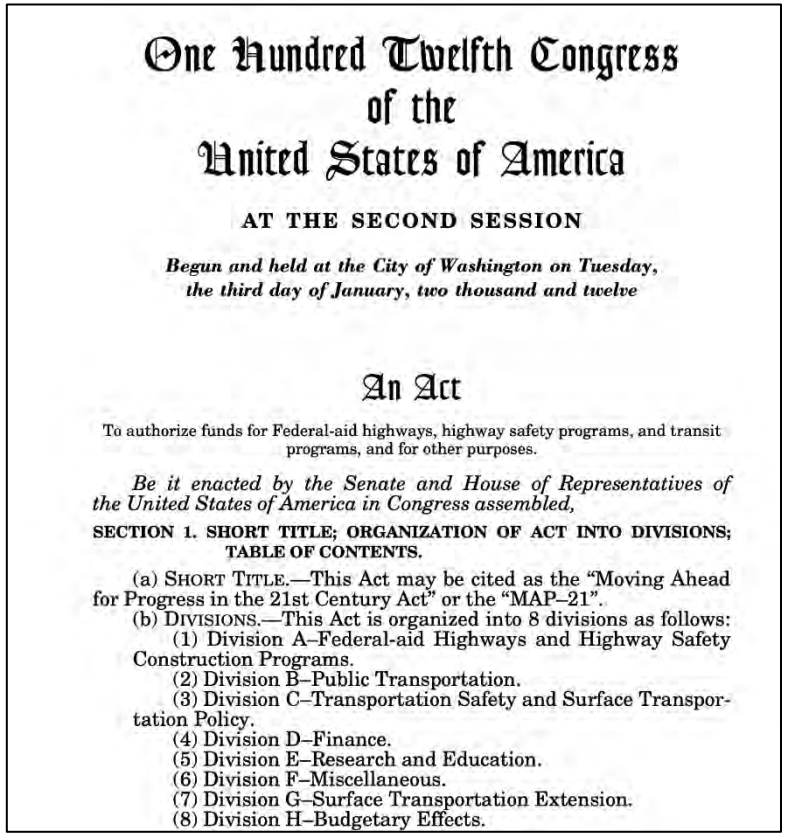
CITIZENS for MODERN TRANSIT

About ▾ Programs ▾ Members ▾ Transit Resources ▾

President Obama Signs MAP-21 into Law

July 24, 2012
By CMT Staff

On July 6, President Barack Obama signed H.R. 4348 – the Moving Ahead for Progress in the 21st Century Act (MAP-21). This legislation reauthorizes



One Hundred Twelfth Congress
of the
United States of America

AT THE SECOND SESSION

Begun and held at the City of Washington on Tuesday, the third day of January, two thousand and twelve

An Act

To authorize funds for Federal-aid highways, highway safety programs, and transit programs, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the "Moving Ahead for Progress in the 21st Century Act" or the "MAP–21".

(b) DIVISIONS.—This Act is organized into 8 divisions as follows:

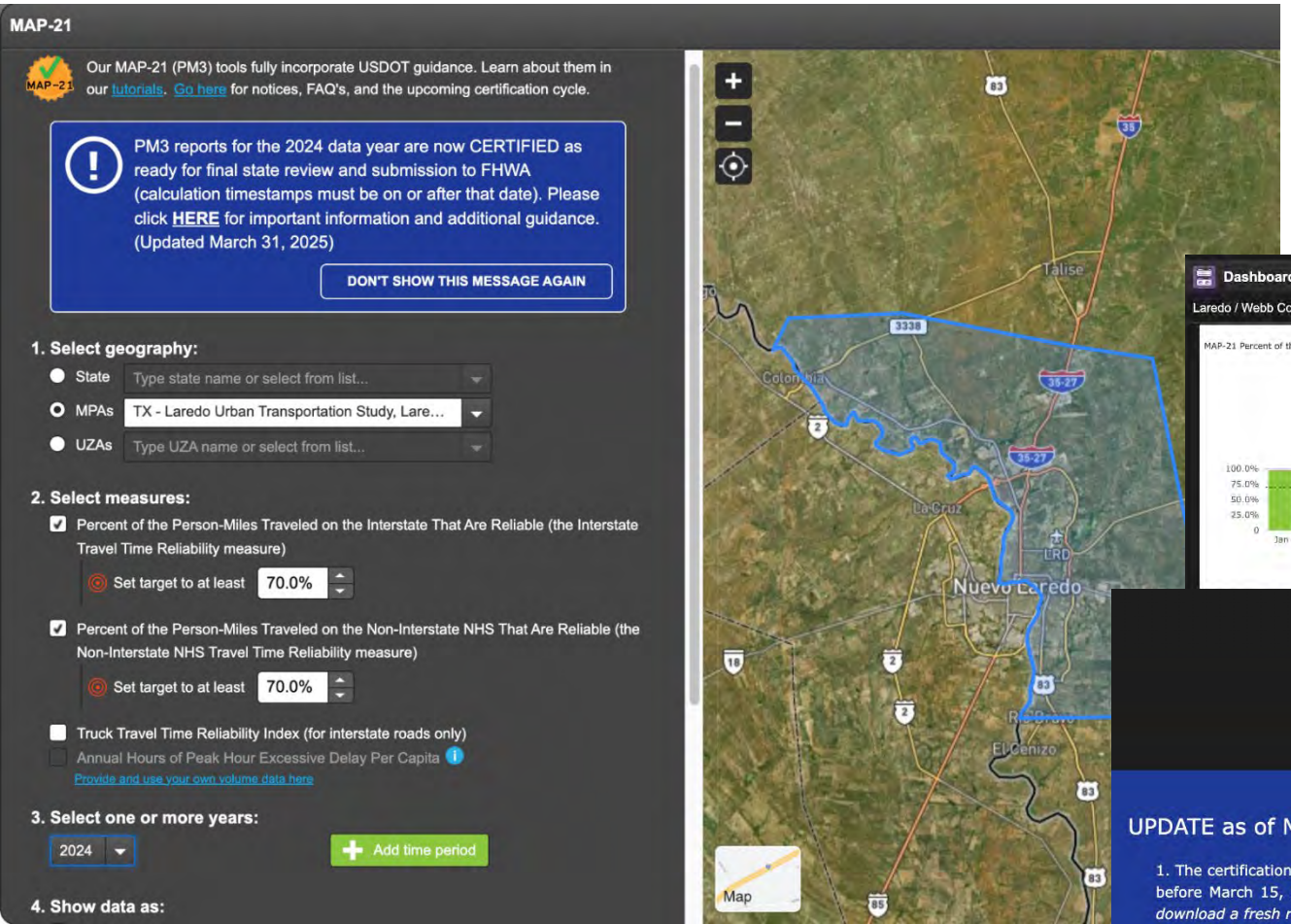
(1) Division A–Federal-aid Highways and Highway Safety Construction Programs.
(2) Division B–Public Transportation.
(3) Division C–Transportation Safety and Surface Transportation Policy.
(4) Division D–Finance.
(5) Division E–Research and Education.
(6) Division F–Miscellaneous.
(7) Division G–Surface Transportation Extension.
(8) Division H–Budgetary Effects.

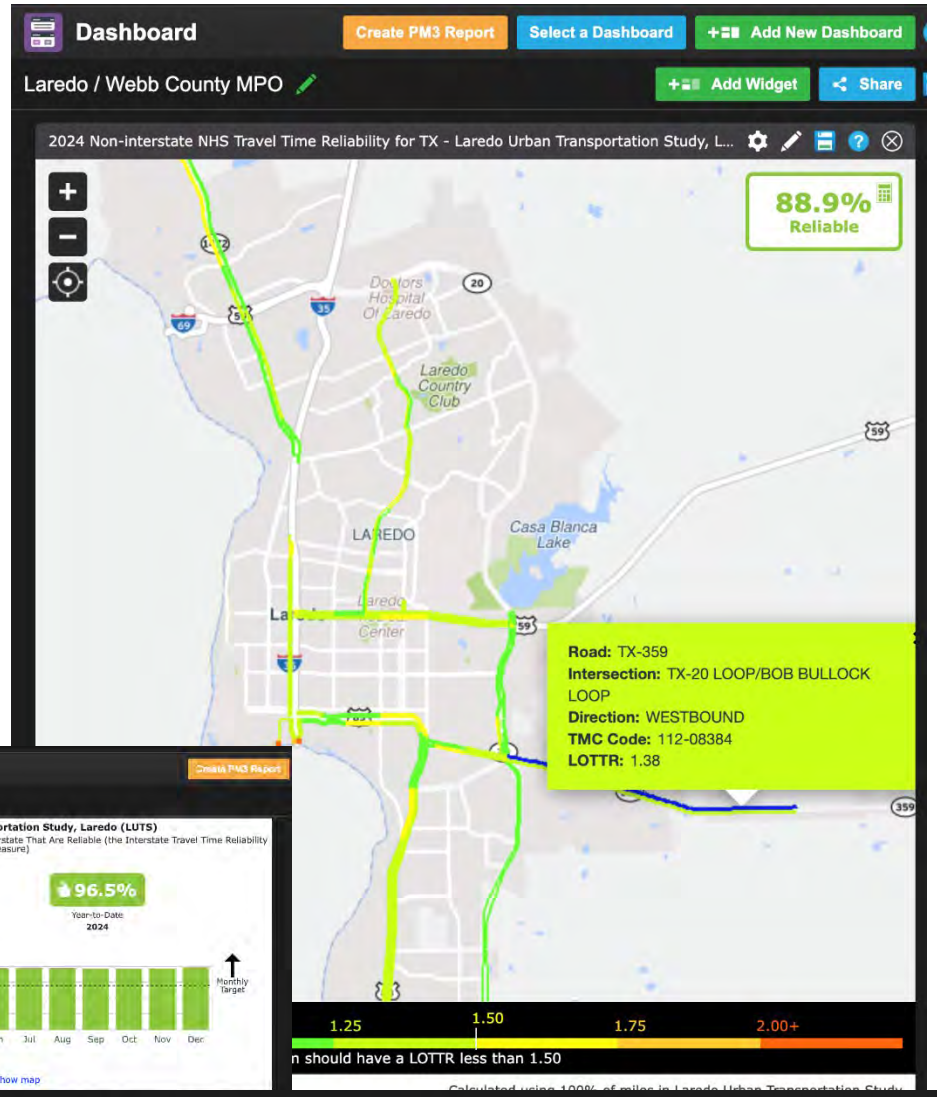
Map-21 mandated the use of performance measures and targets for states and urban regions:

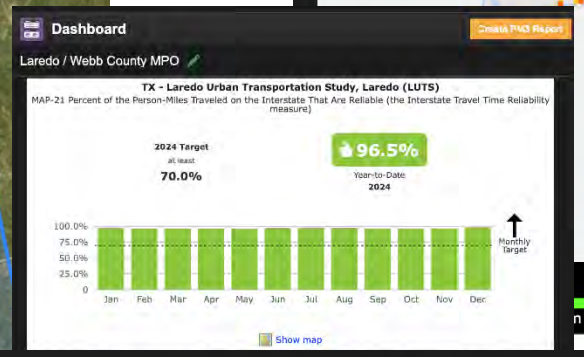
1. Safety (PM1)
2. Pavement & bridge Condition (PM2)
3. **Roadway System Performance (PM3)**
4. (etc.)

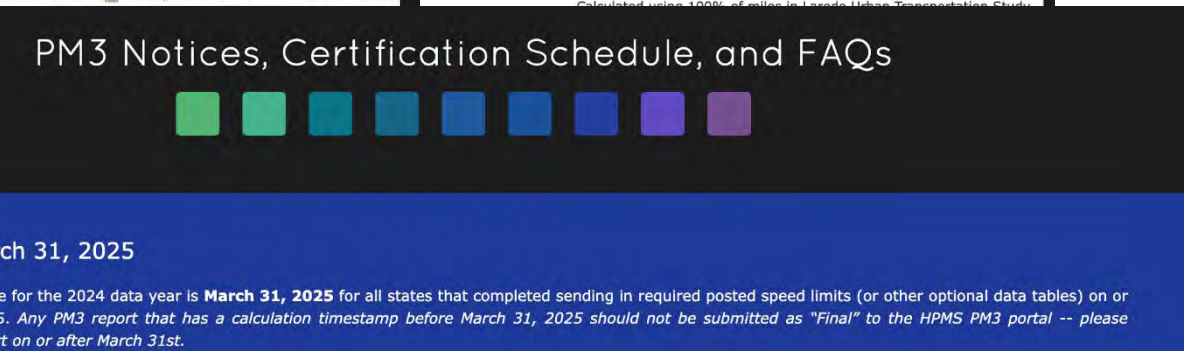
The focus will be on NHS (1) travel time reliability and (2) congestion reduction (where air quality standards are not met)

RITIS tools that use the NPMRDS to monitor performance metrics in statewide and metro regions (~40 state agencies use these tools)









Year 3 of the current 4-year term is wrapping up now:

June 15, 2025 – deadline for submission of PM3 reports covering 2024

-- Only state agencies (and Puerto Rico, D.C.) submit reports to FHWA

-- Support@ritis.org has been in-touch with ~40 states using the RITiS tools;

Contact the Support team if you have any questions or would like to know more

Data-Driven Exploration of the Selmon Expressway using RITIS

Bob Frey
Director of Planning and Innovations
Tampa Hillsborough Expressway Authority (THEA)
Charles Lattimer
UMD CATT Lab

Charles Lattimer, UMD CATT Lab

Bob Frey, THEA

Data-Driven Exploration of the Selmon Expressway using RITIS

RITIS User Group Meeting
June 12, 2025

Charles Lattimer
University of Maryland CATT Lab
Public Outreach & Signal Analytics

Bob Frey
Tampa Hillsborough Expressway Authority (THEA)
Director of Planning & Innovation

Today's Presentation

- Overview of THEA
- Brief Description of RITIS
- Five Use Cases
  1. Times and locations of congestion
  2. Which route is faster?
  3. What percentage of trips use each route?
  4. Most popular trip patterns
  5. Are people using the new slip ramps?

Introduction to the Tampa-Hillsborough County Expressway Authority (THEA)

- Established in 1963 to build, operate, and maintain toll facilities in Hillsborough County, FL
- Operates four properties in Tampa and Hillsborough County, including innovative uses of right of way for trails, greenspace, and community enhancement.

Lee Roy Selmon Expressway

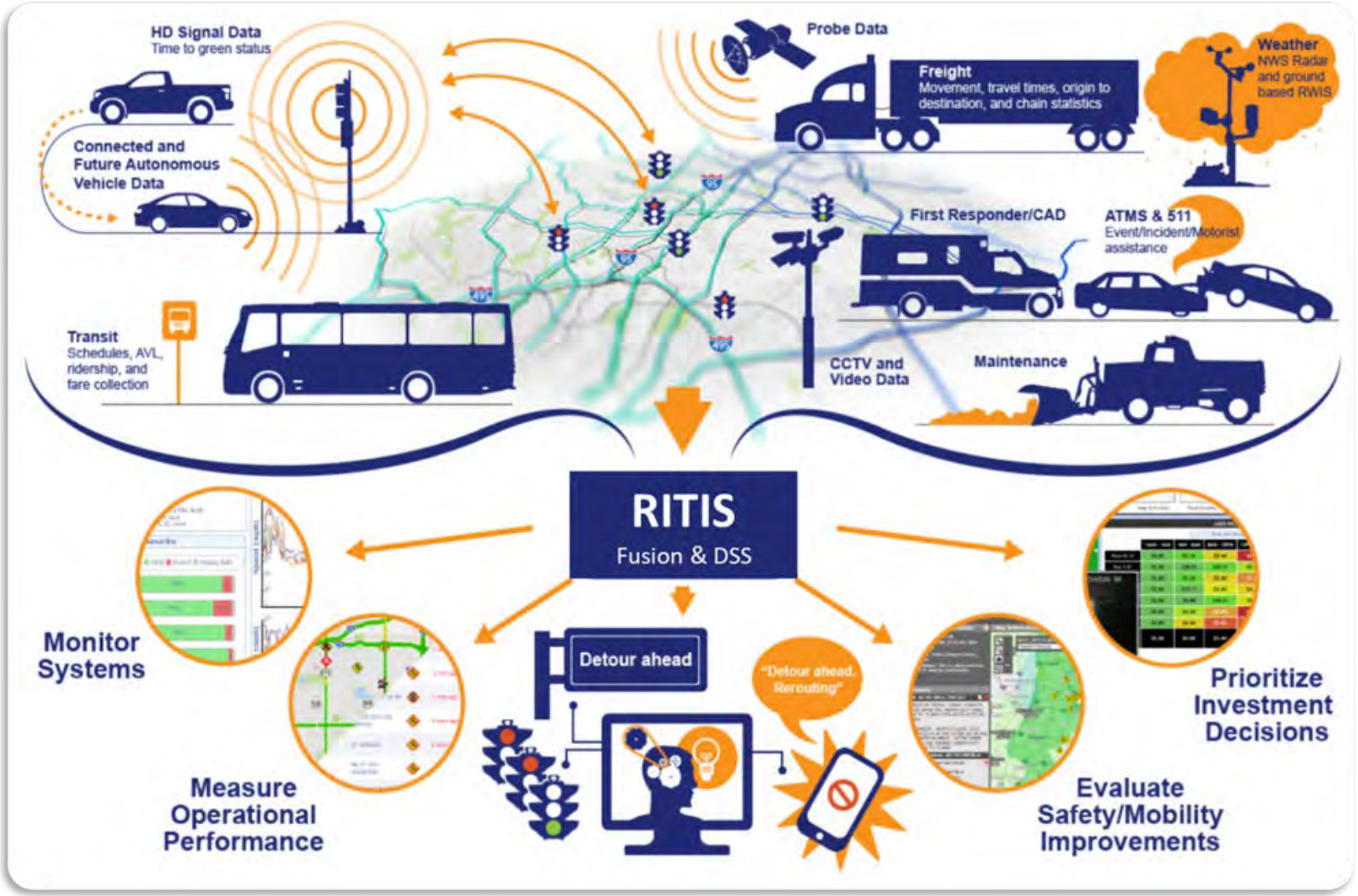
- State Road 618
- Named after Lee Roy Selmon, hall of fame football player from the Tampa Bay Buccaneers
- 14 centerline miles
- AADT: 43,000 - 103,000, depending on location
- Runs from the Gandy Bridge (Tampa Bay) to Brandon (near I-75)

Selmon Expressway Reversible Express Lanes (REL)

- Elevated express lanes between I-75 and downtown Tampa
- First of its kind facility: addresses urban congestion by combining the innovations of concrete segmental bridges, reversible express lanes and all electronic tolling
- All THEA customers can use the REL—there is no additional toll to use

RITIS fuses data from many sources to make it easy for agencies to **understand the performance** of their transportation network and **make better decisions**.

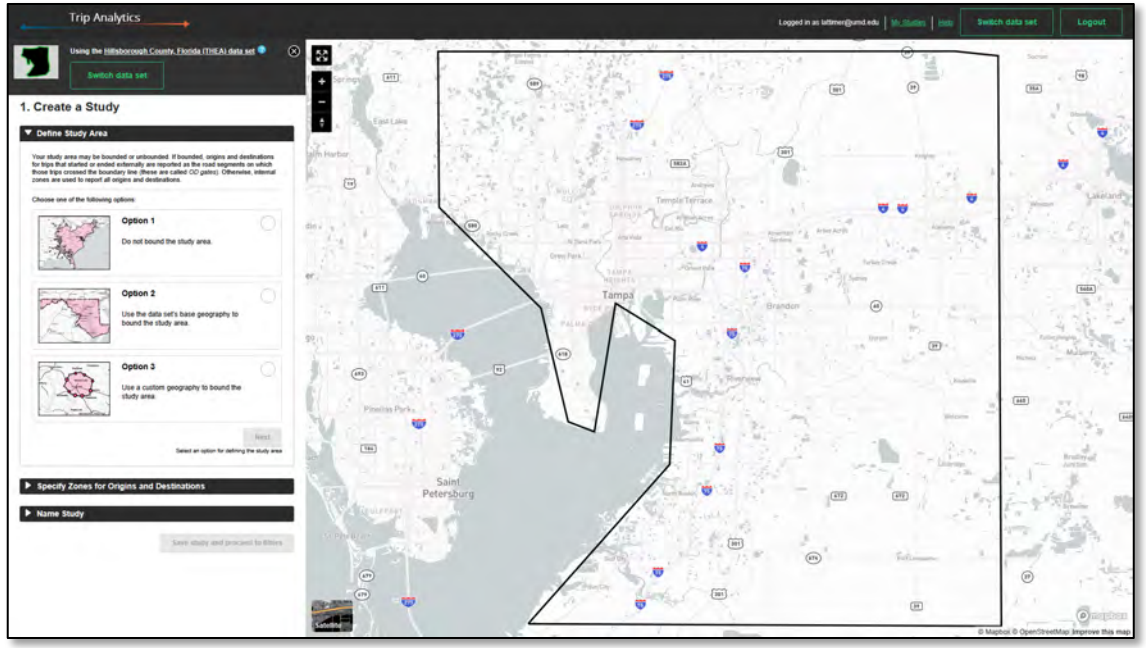
- **Data sources include:**
- Probe data
- Incident feeds
- Weather data
- CCTV cameras
- ATMS data
- 3rd party CV data
- etc.



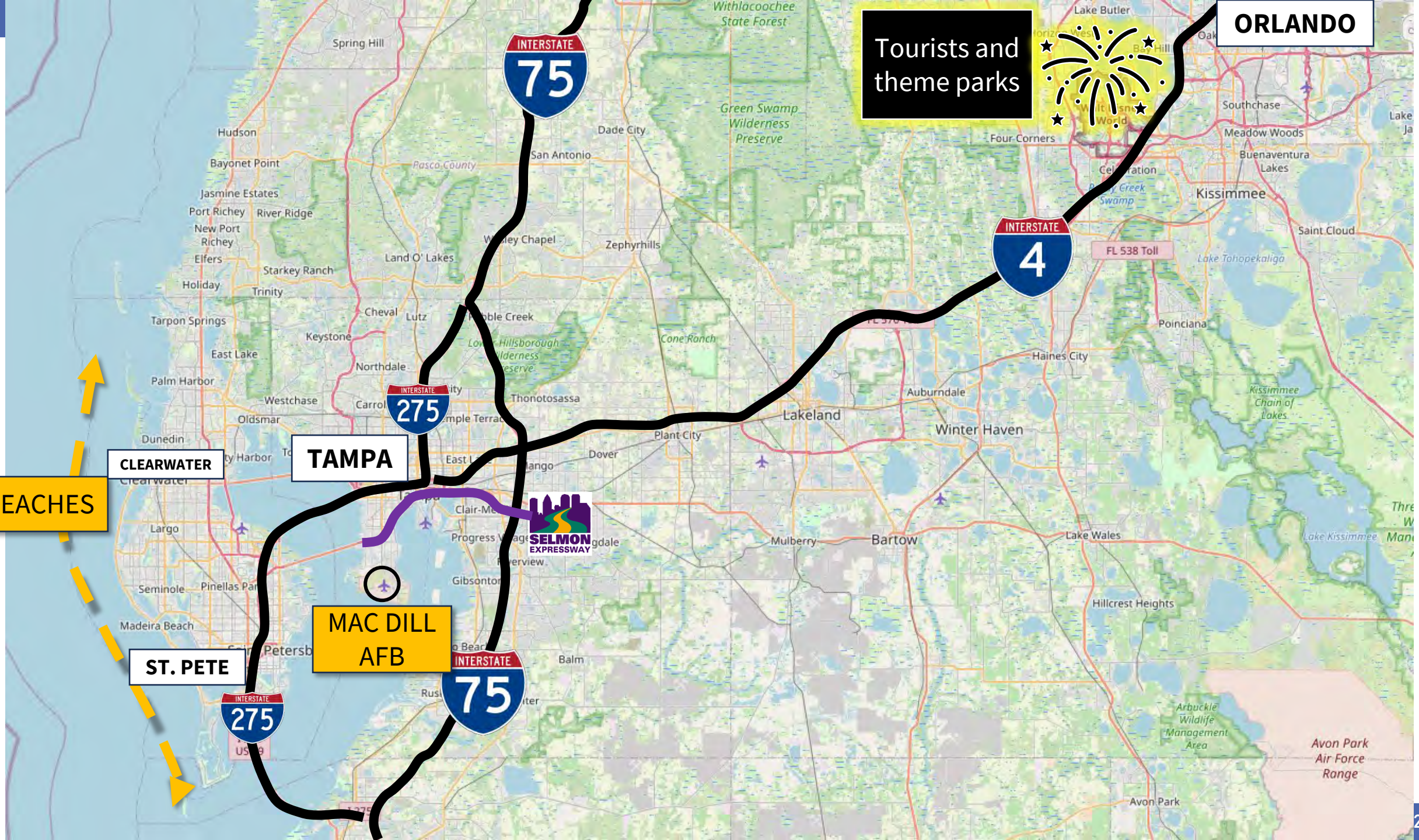
Exploration using RITIS

What can we discover about the Selmon Expressway using probe and trip data?

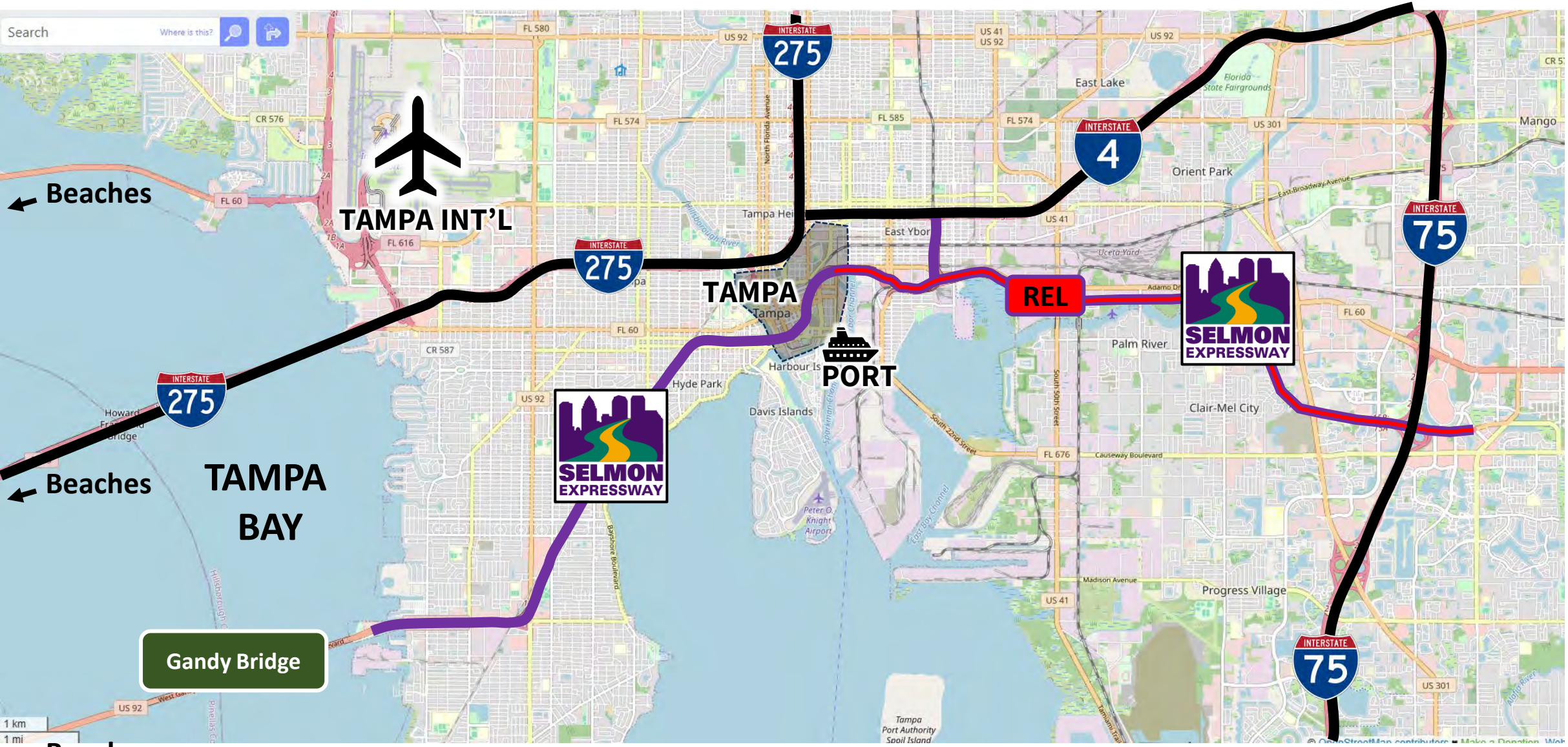
Probe Data Analytics (PDA) Suite



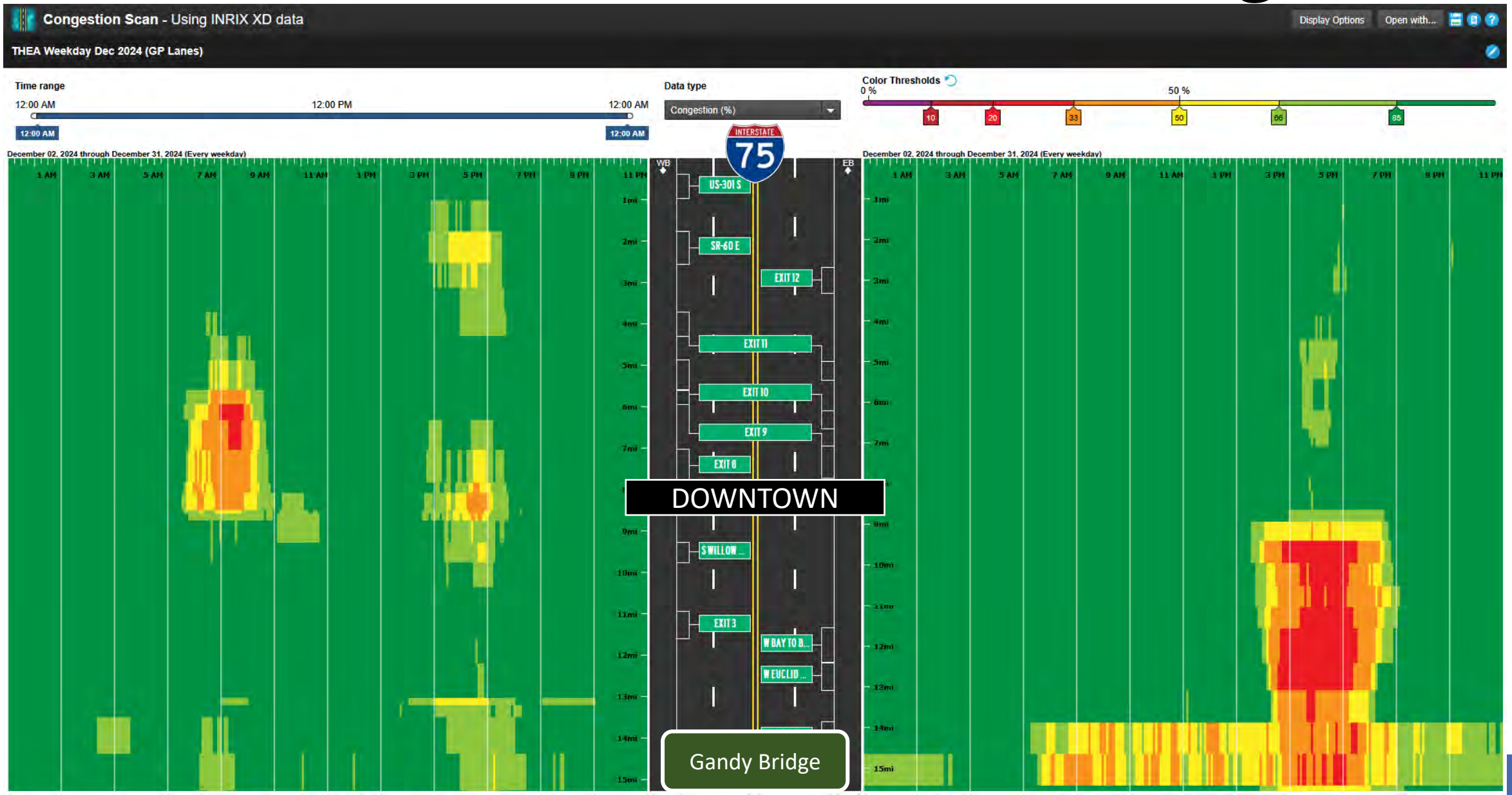
Trip Analytics


ORLANDO
Tourists and theme parks
INTERSTATE 75
INTERSTATE 4
INTERSTATE 275
INTERSTATE 75
INTERSTATE 275
FL 538 Toll
TAMPA
CLEARWATER
ST. PETE
BEACHES
MAC DILL AFB
SELMON EXPRESSWAY
Withlacoochee State Forest
Green Swamp Wilderness Preserve
Spring Hill
Hudson
Bayonet Point
Jasmine Estates
Port Richey
River Ridge
New Port Richey
Elfers
Holiday
Trinity
Starkey Ranch
Land O' Lakes
Dade City
San Antonio
Pasco County
Zephyrhills
Tarpon Springs
Keystone
Cheval
Lutz
Northdale
East Lake
Palm Harbor
Westchase
Oldsmar
Dunedin
Largo
Seminole
Madeira Beach
Thonotosassa
Plant City
Lakeland
Winter Haven
Auburndale
Haines City
Poinciana
Dover
Mulberry
Bartow
Lake Wales
Hillcrest Heights
Gibsonton
Balm
Cone Ranch
Four Corners
Kissimmee
Saint Cloud
Meadow Woods
Southchase
Buenaventura Lakes
Lake Tohopekaliga
Kissimmee Chain of Lakes
Lake Butler
Arbuckle Wildlife Management Area
Avon Park Air Force Range
Avon Park

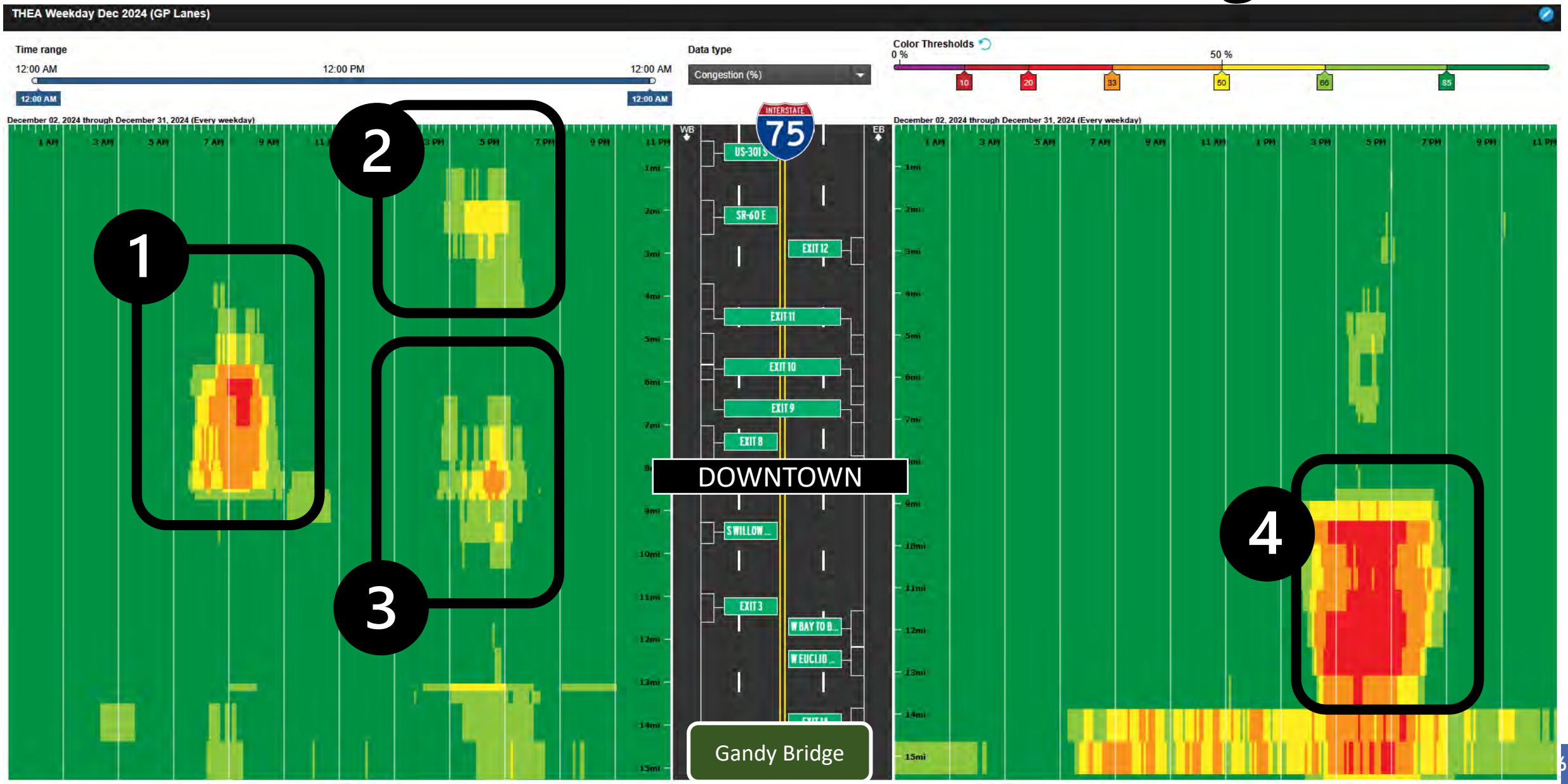
Orlando


Beaches
TAMPA INT'L
INTERSTATE 275
TAMPA
REL
SELMON EXPRESSWAY
INTERSTATE 4
INTERSTATE 75
PORT
Beaches
TAMPA BAY
SELMON EXPRESSWAY
Gandy Bridge
Beaches
MAC DILL AFB

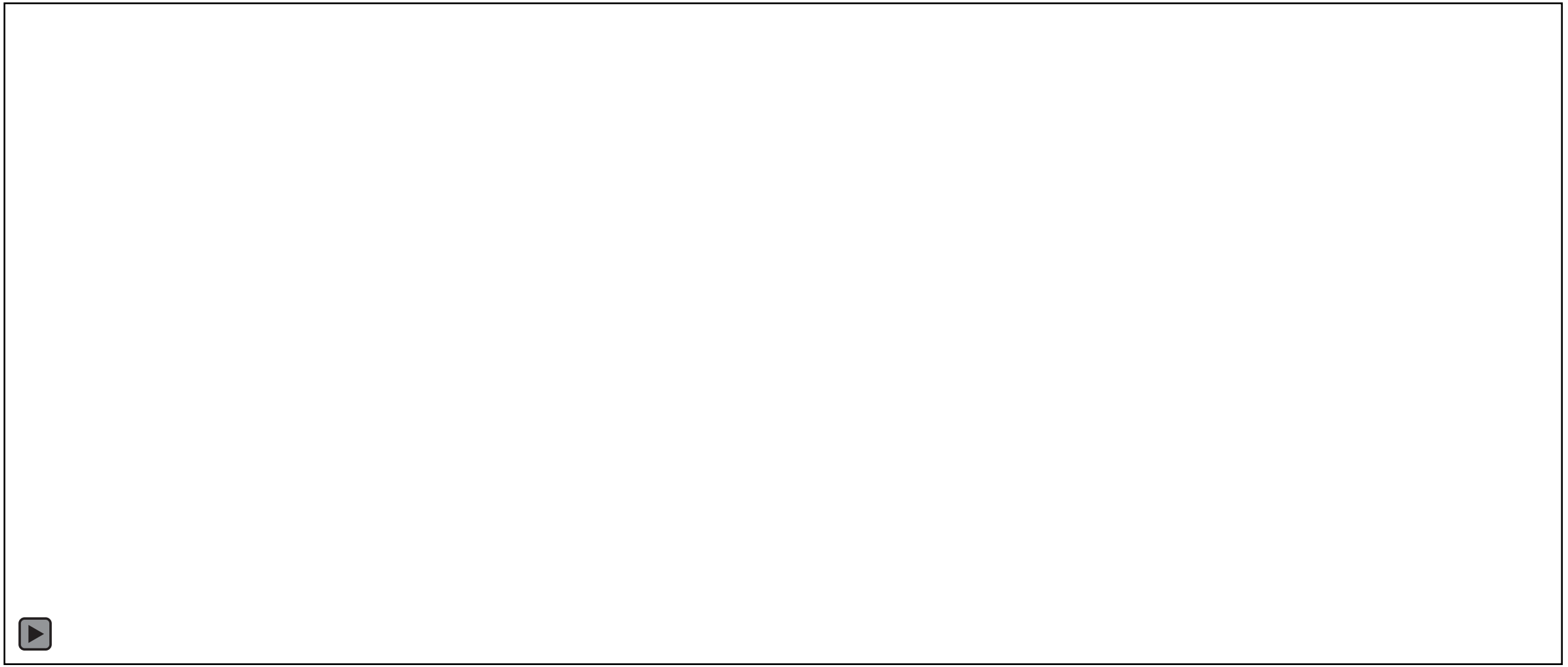
Use Case 1: times and location of congestion

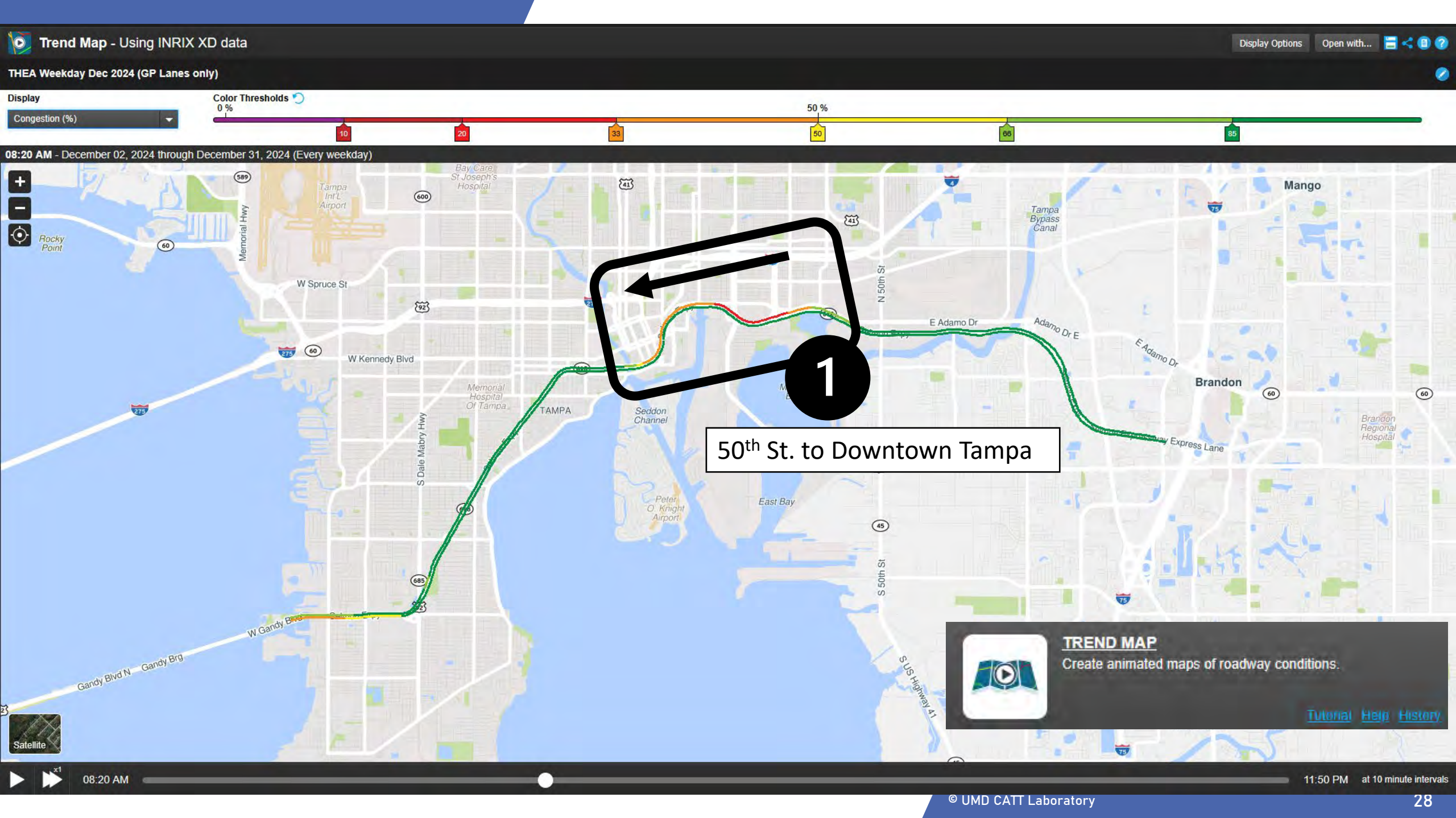


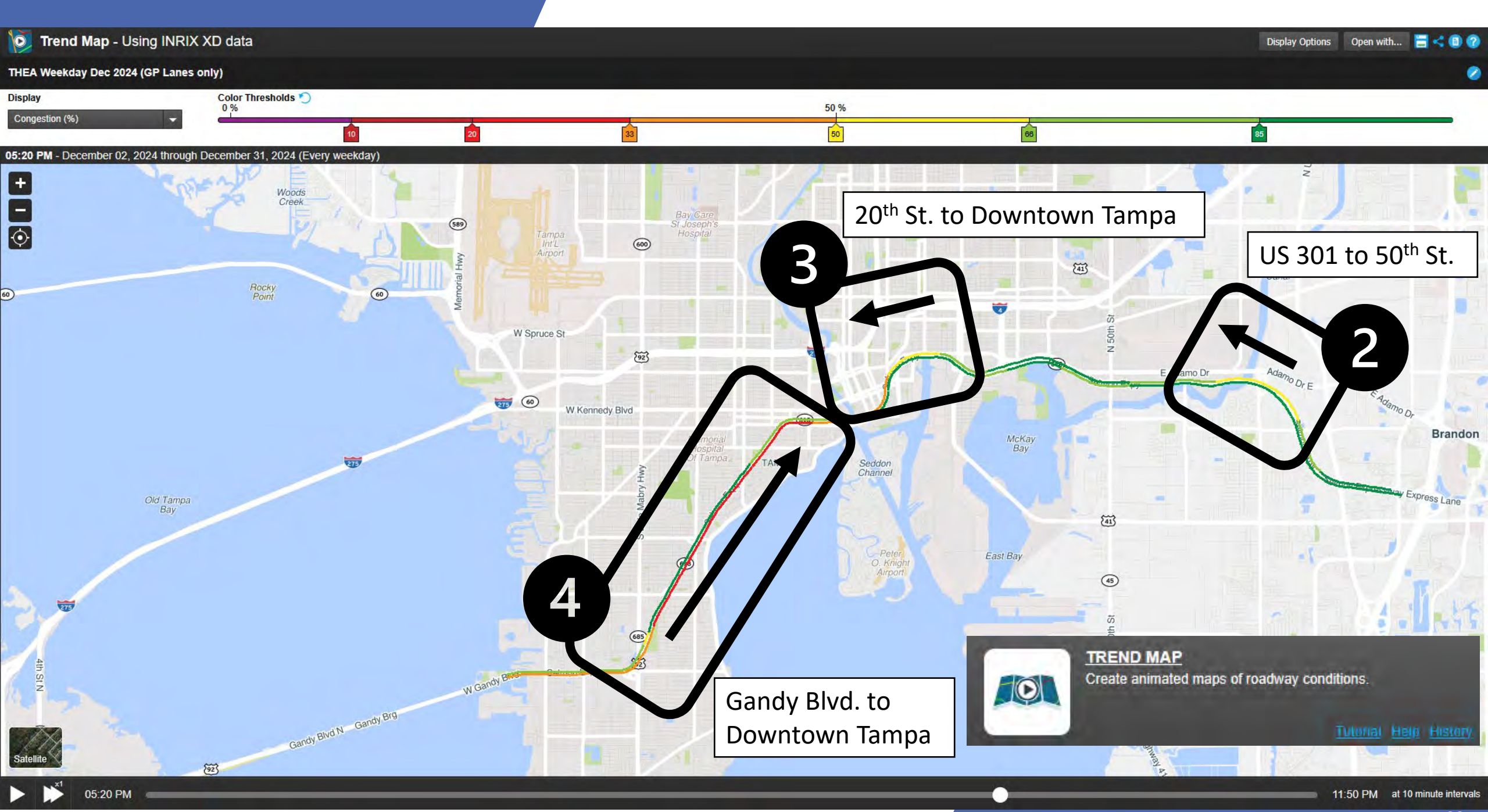
Use Case 1: times and location of congestion



Use Case 1: times and location of congestion




Trend Map - Using INRIX XD data
Display Options
Open with...
THEA Weekday Dec 2024 (GP Lanes only)
Display
Congestion (%)
Color Thresholds
0 %
50 %
10
20
33
50
66
85
08:20 AM - December 02, 2024 through December 31, 2024 (Every weekday)
1
50th St. to Downtown Tampa
TREND MAP
Create animated maps of roadway conditions.
Tutorial Help History
Satellite
08:20 AM
11:50 PM
at 10 minute intervals


Trend Map - Using INRIX XD data
Display Options
Open with...
THEA Weekday Dec 2024 (GP Lanes only)
Display
Congestion (%)
Color Thresholds
0 %
50 %
10
20
33
50
66
85
05:20 PM - December 02, 2024 through December 31, 2024 (Every weekday)
20th St. to Downtown Tampa
US 301 to 50th St.
Gandy Blvd. to Downtown Tampa
3
2
4
Woods Creek
Rocky Point
Tampa Int'l Airport
Bay Care St Joseph's Hospital
Memorial Hwy
W Spruce St
W Kennedy Blvd
Old Tampa Bay
Seddon Channel
McKay Bay
East Bay
Peter O. Knight Airport
N 50th St
Adamo Dr E
E Adamo Dr
Brandon
Express Lane
4th St N
W Gandy Blvd
Gandy Blvd N
Gandy Brg
Satellite
TREND MAP
Create animated maps of roadway conditions.
Tutorial
Help
History
05:20 PM
11:50 PM
at 10 minute intervals

Bottleneck Analysis

BOTTLENECK RANKING
Rank bottlenecks and discover which ones have the greatest impact.
Tutorial Help History

#1 Bottleneck Ranking - Using HERE TMC data

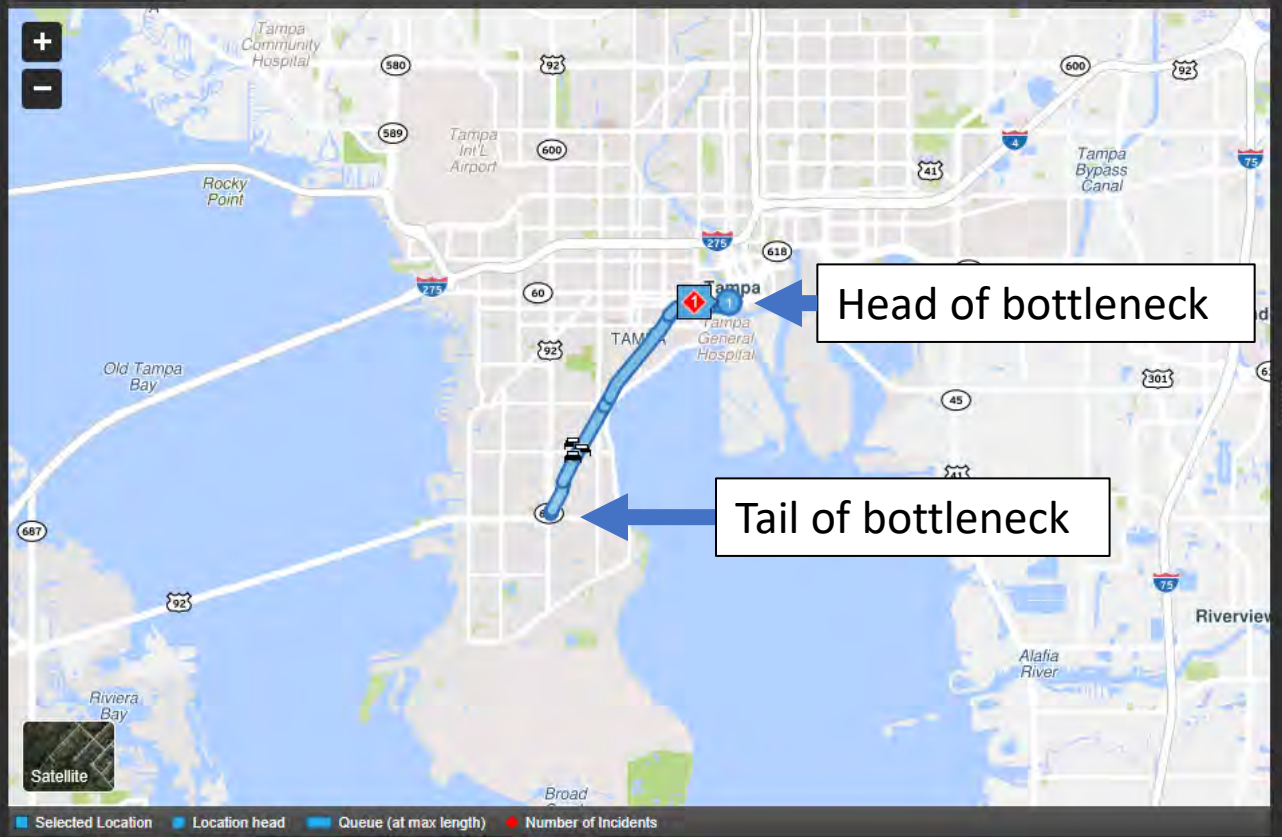
Jan - Feb 2025

Bottleneck Ranking for SR-618 and SR-618-TOLL/SELMON EXPY between January 1, 2025 and February 28, 2025 displayed in segment-local timezones (42 total)

+ Add Visualization | Display Options

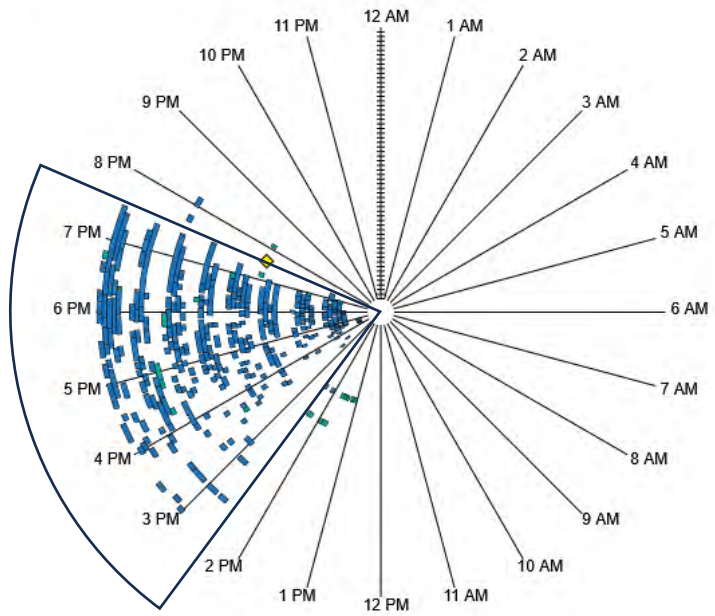
			Bottleneck Profile			Influence		Base Impact Weighted By		
Rank	Map	Head Location	Average Max Length	Average Daily Duration	Total Duration	Agency-Reported Events	Base Impact	Speed Differential	Congestion	Total Delay
1	☑	SR-618 E @ PLANT AVE/EXIT 5	3.7	1 h 3 m	2 d 14 h 37 m	1	12,891	470,539	27,795	9,138,617

Map | SR-618 E @ PLANT AVE/EXIT 5 | Display Options



Time Spiral | SR-618 E @ PLANT AVE/EXIT 5 | Display Options

The center represents the beginning of Jan 1, 2025 and the outer edge represents the end of Feb 28, 2025.



Bottleneck 2 – 5 miles long

Weekdays between 2:30 PM and 7:30 PM

Maximum queue length in miles ☐ Grayscale ◇ Icon Legend

2 5 8

Bottleneck Analysis

BOTTLENECK RANKING
Rank bottlenecks and discover which ones have the greatest impact.
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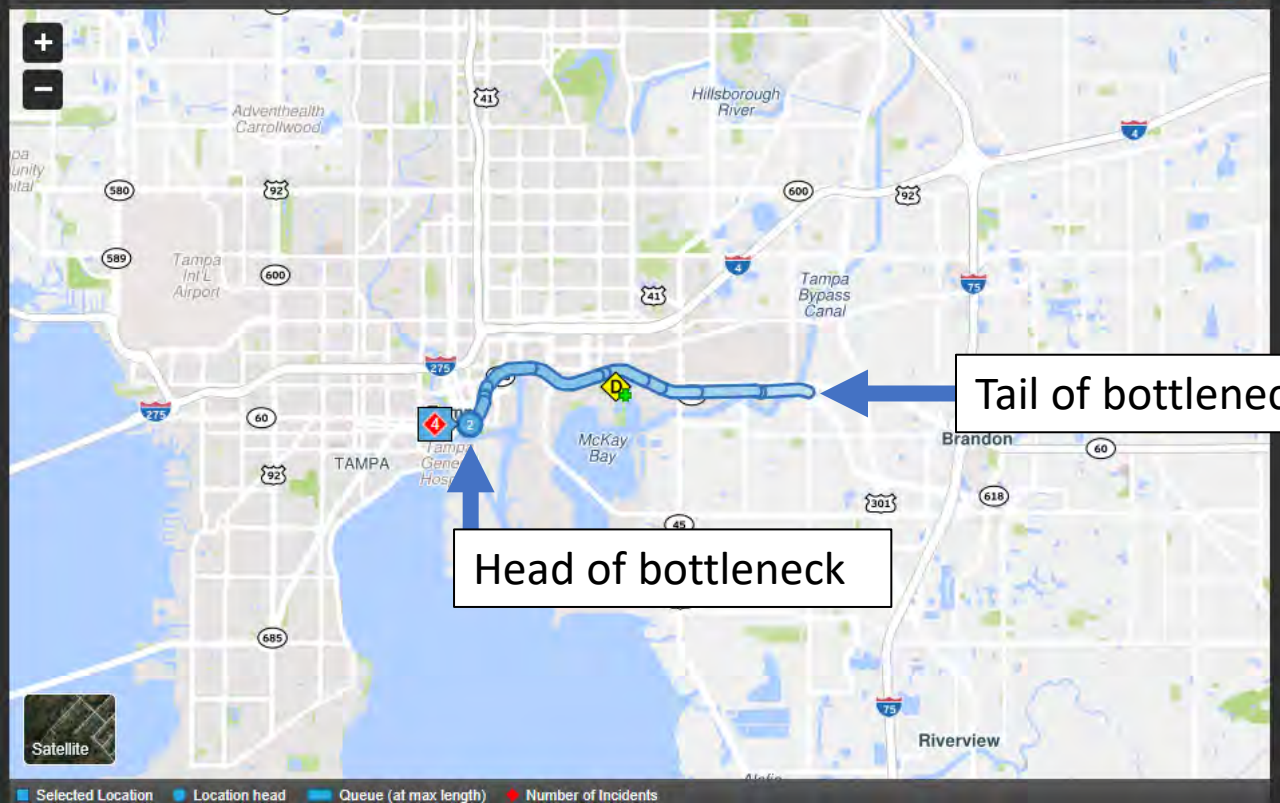
Rank	Map	Head Location	Average Max Length	Average Daily Duration	Total Duration	Agency-Reported Events	Base Impact	Speed Differential	Congestion	Total Delay
1	☐	SR-618 E @ PLANT AVE/EXIT 5	3.7	1 h 3 m	2 d 14 h 37 m	1	12,891	470,539	27,795	9,138,617
2	☑	SR-618 W @ MORGAN ST/S FLORIDA AVE EXIT 6/E...	2.39	1 h 27 m	3 d 14 h 3 m	4	13,953	512,225	26,193	7,058,138

Map — SR-618 W @ MORGAN ST/S FLORIDA AVE EXIT 6/EXIT 7 — Display Options

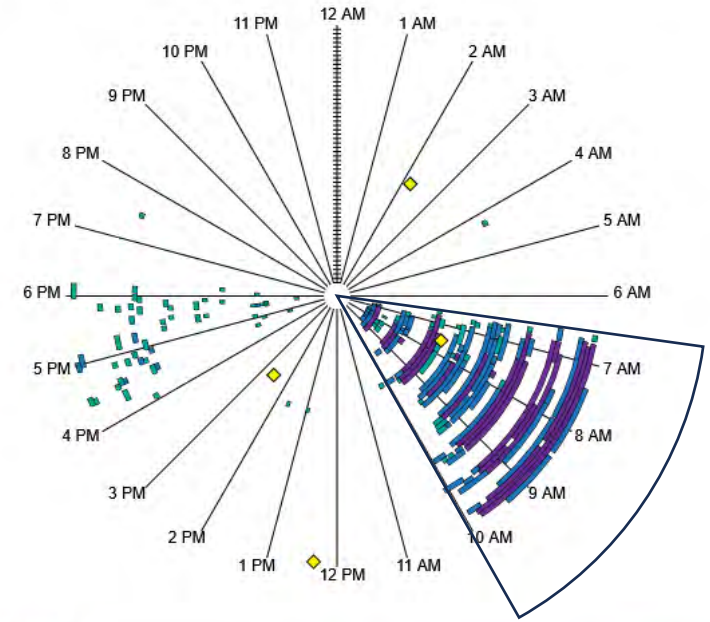


Tail of bottleneck

Head of bottleneck

Time Spiral — SR-618 W @ MORGAN ST/S FLORIDA AVE EXIT 6/EXIT 7 — Display Options

The center represents the beginning of Jan 1, 2025 and the outer edge represents the end of Feb 28, 2025.



Maximum queue length in miles ☐ Grayscale ◇ Icon Legend

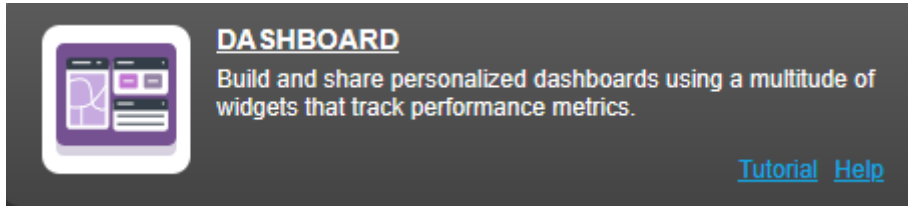
2 5 8

Bottleneck 2 – 8 miles long

Weekdays between 6:30 AM and 10:00 AM

How do bottlenecks change over time?

The Top 2 bottlenecks have been consistent since September 2024



Ranked Bottleneck Comparison

2024 - 2025											Current Month	
Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Location
2	3	3	1	1	1	1	1	1	1	1	1	SR-618 E @ PLANT AVE/EXIT 5
3	2	4	4	3	2	2	2	2	2	2	2	SR-618 W @ MORGAN ST/S FLORIDA AVE EXIT 6/EXIT 7
8	-	-	-	-	-	-	-	-	-	-	3	SR-618 E @ 78TH ST/EXIT 12
4	8	8	10	8	-	-	-	-	4	3	4	SR-618 E @ 78TH ST TOLL PLAZA
1	1	1	2	2	4	4	3	3	3	4	5	SR-618 E @ WILLOW AVE TOLL PLAZA
-	-	-	-	-	-	-	-	10	9	10	6	SR-618 W @ WILLOW AVE TOLL PLAZA
-	-	2	9	4	-	3	7	8	5	6	7	SR-618 W @ PLANT AVE/EXIT 5
-	-	-	-	-	7	-	-	-	-	-	8	SR-618 E @ US-301/EXIT 13
5	4	7	7	-	6	-	-	-	-	-	9	SR-618 E @ US-41/50TH ST/EXIT 11
-	-	-	-	-	-	-	-	-	-	-	10	SR-618 E @ BAY TO BAY BLVD/EXIT 3

Ranking 1 2 3

ata source: HERE

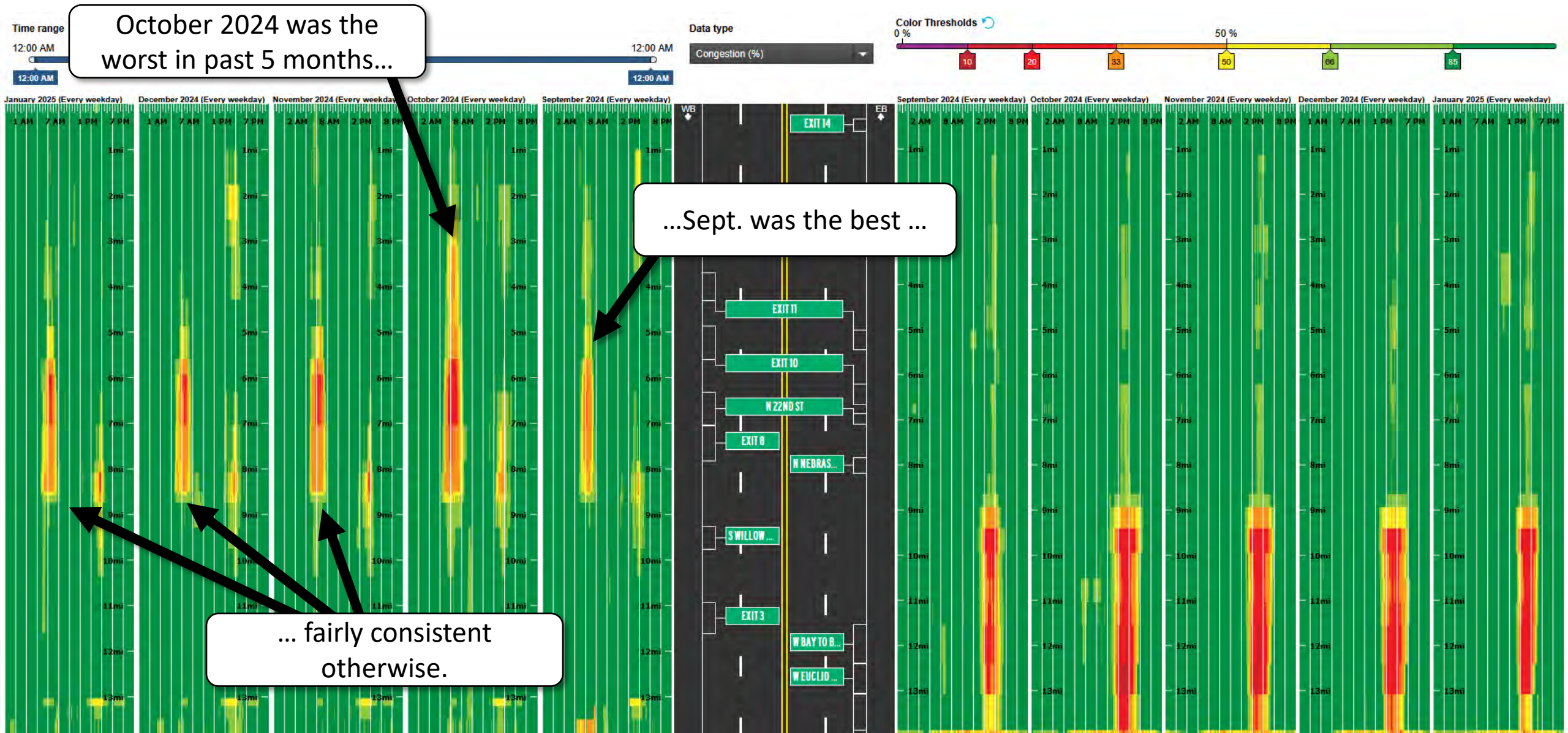
Updated Mar 7, 2025 8:29 AM (5m 32s ag

How does congestion change over time?

CONGESTION SCAN

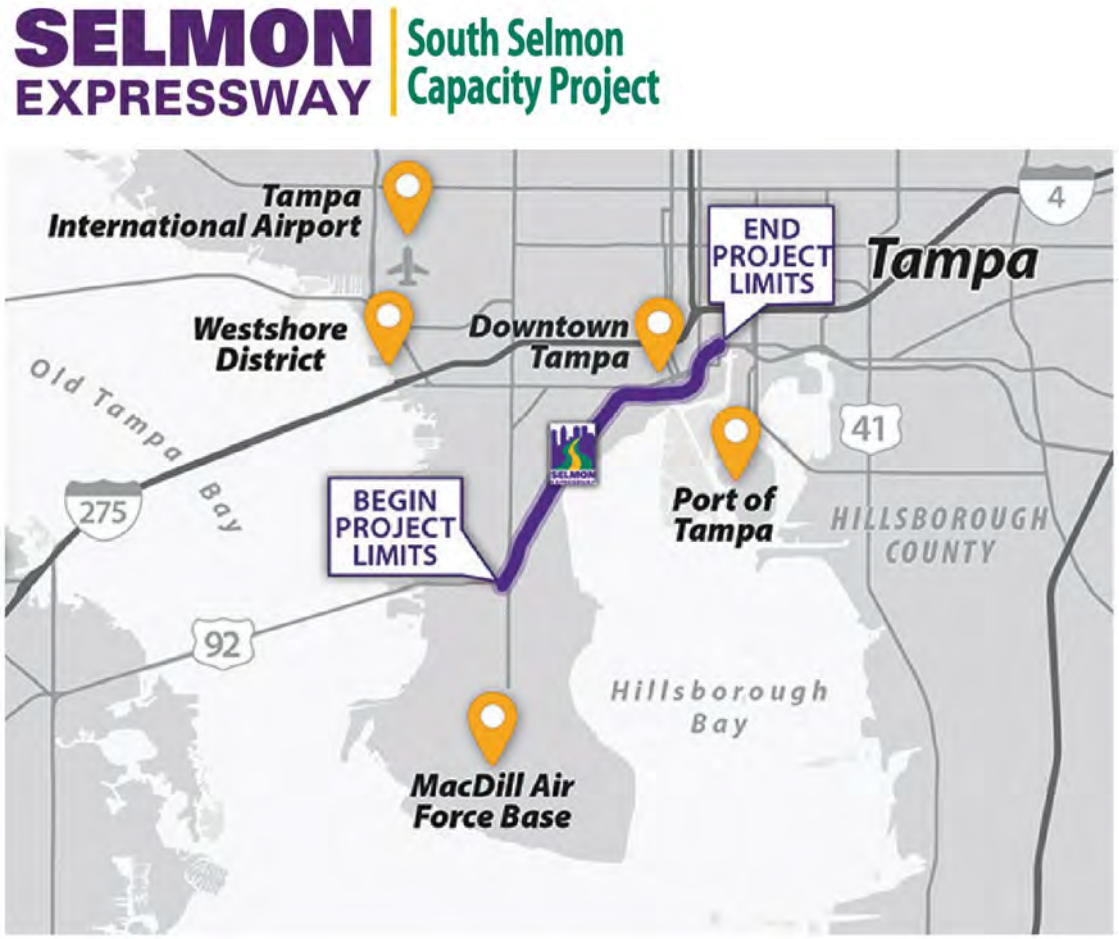
Analyze the rise and fall of congested conditions on a stretch of road.

Tutorial Help History



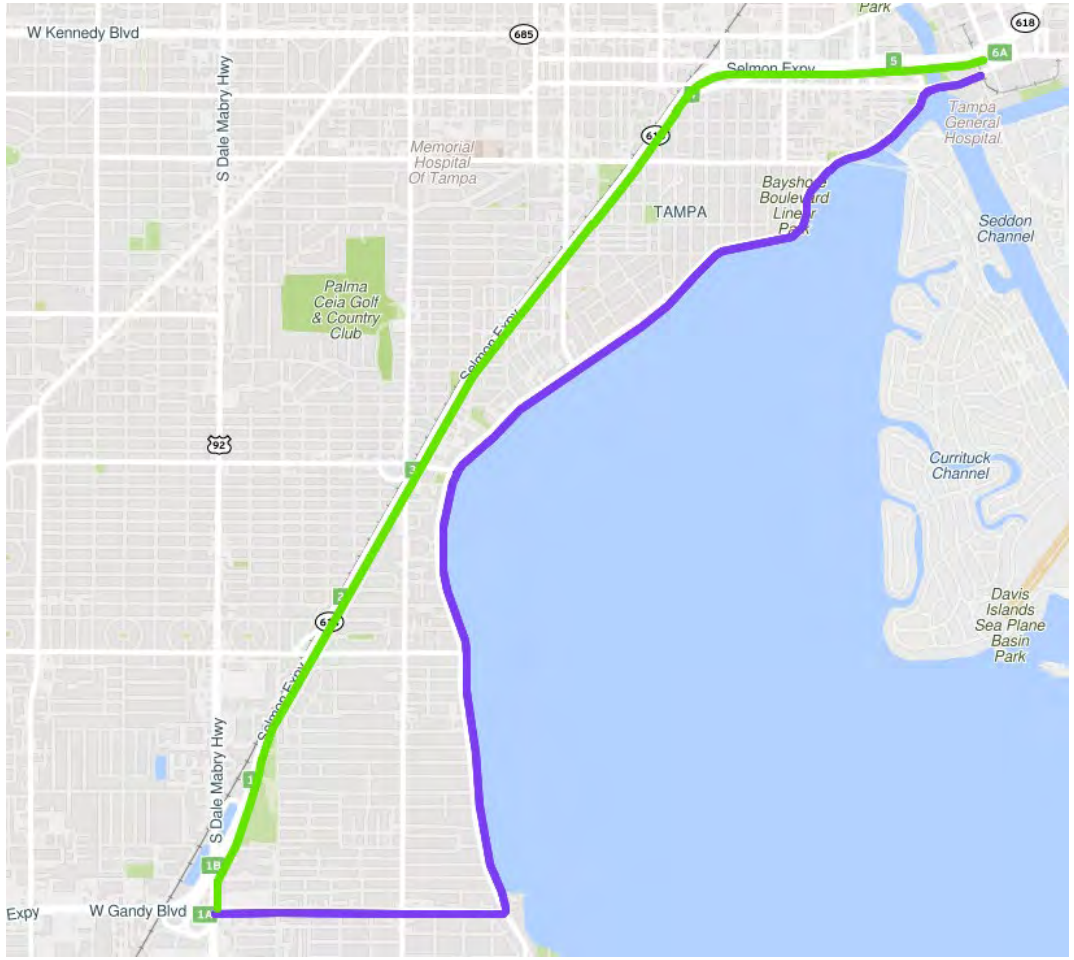
Use Case 2: What route is faster?

- 4.5 mile section
- Widen from 4 to 6 lanes
- Construction starts Spring 2026
- Benefits:
  - Reduced congestion
  - Community enhancements
  - **Minimize use of neighborhood roads as alternate routes**

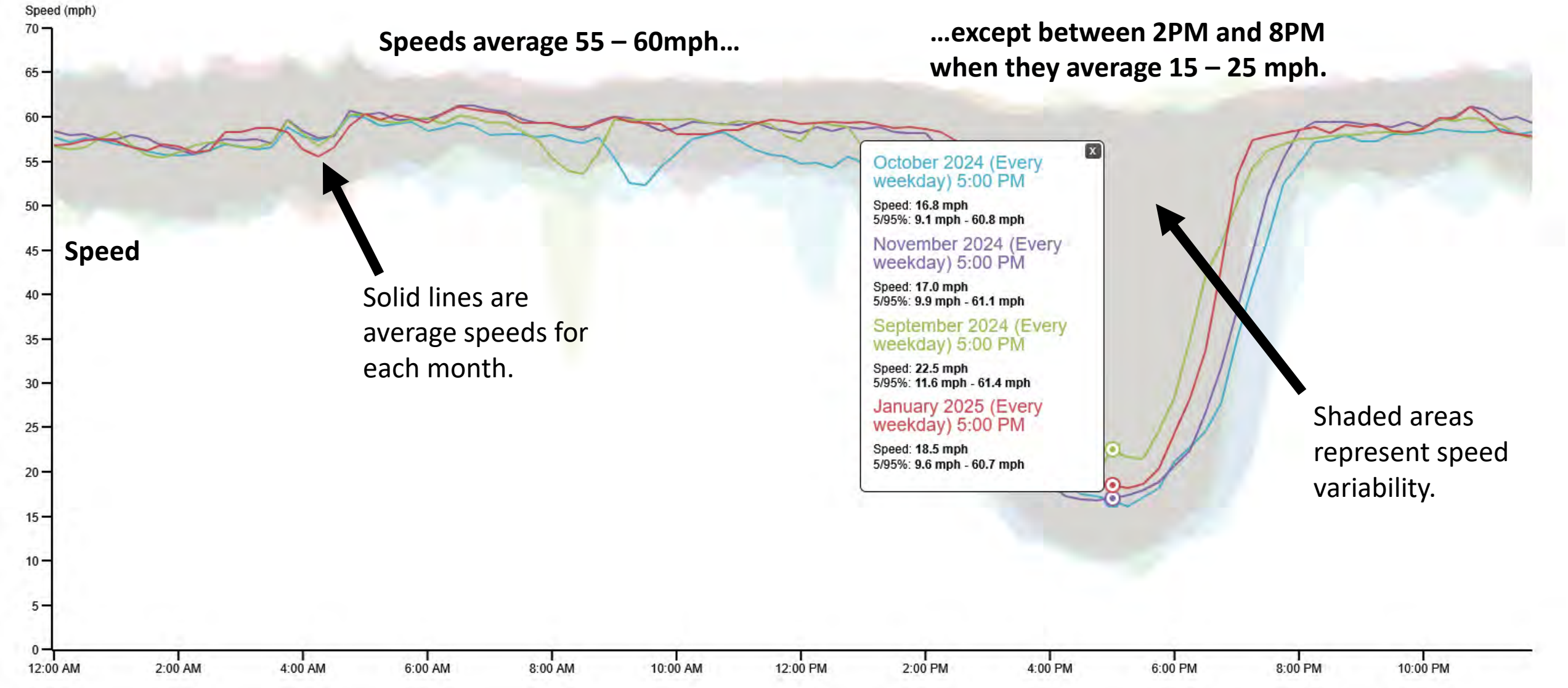


Alternative routes: How does South Selmon compare with Bayshore Blvd. in PM Peak?

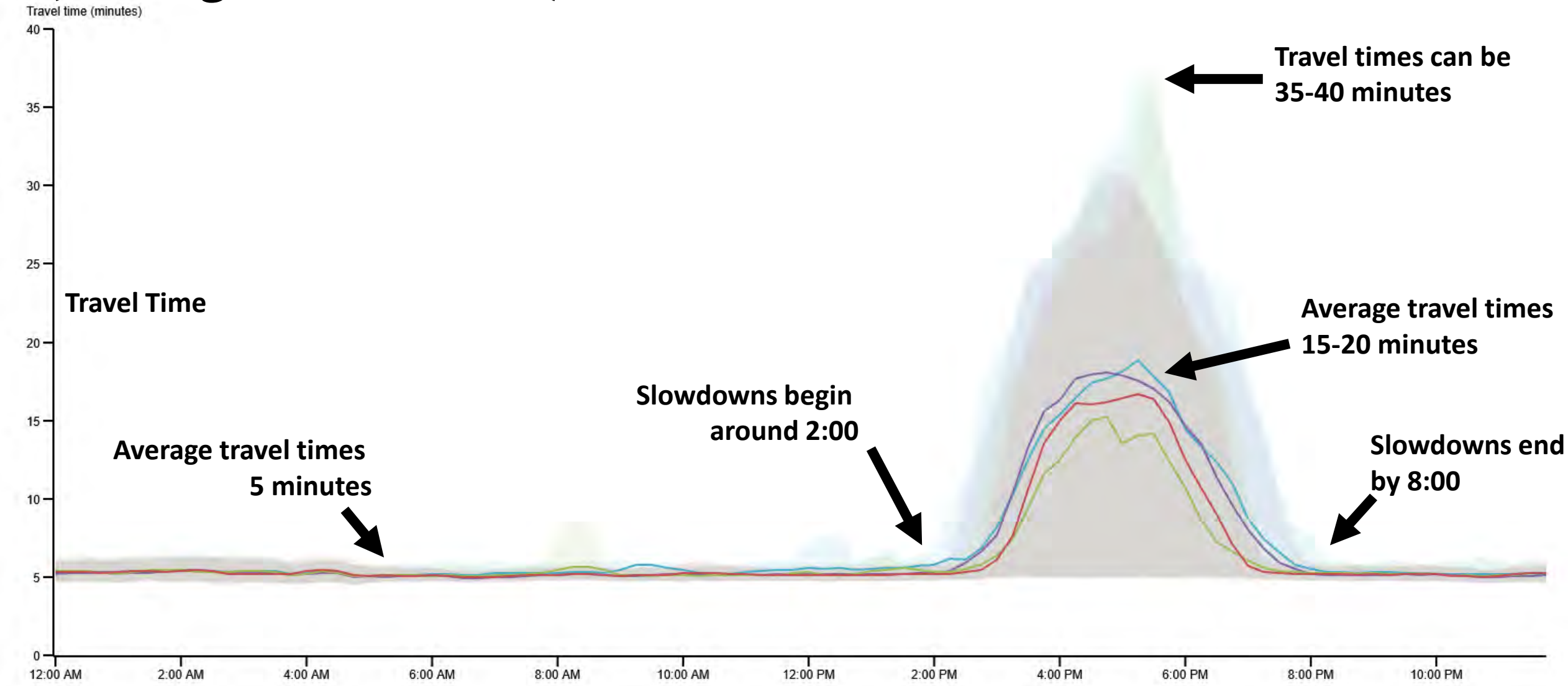
- South Selmon backs up on weekday afternoons approaching downtown Tampa.
- Drivers use Bayshore Blvd. and local roads as alternative to Selmon.
- Can we test this hypothesis?



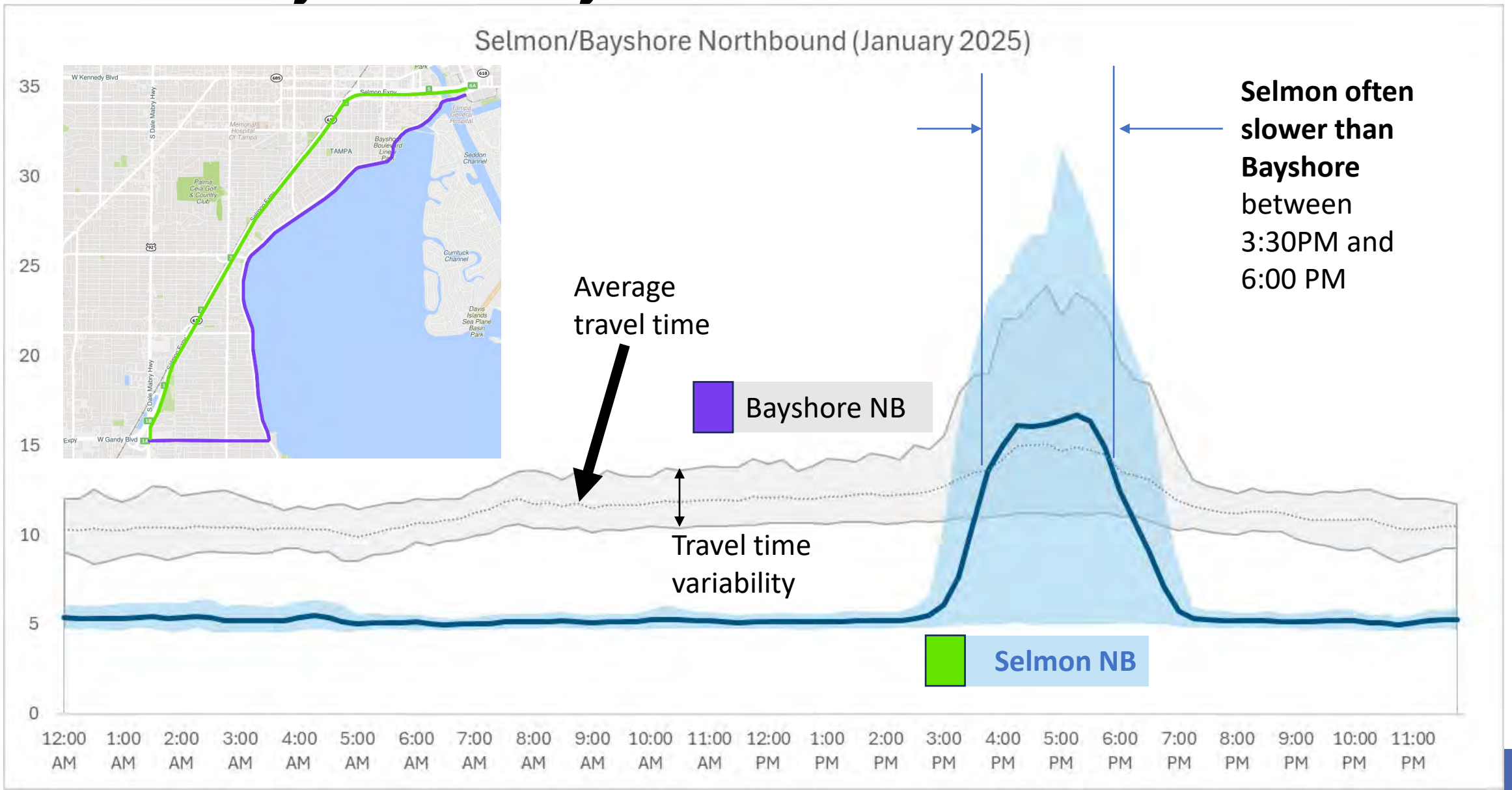
Northbound Selmon Expressway (Average Speeds)



Northbound Selmon Expressway (Average travel times)



How do Selmon and Bayshore compare?
Travel time by time of day



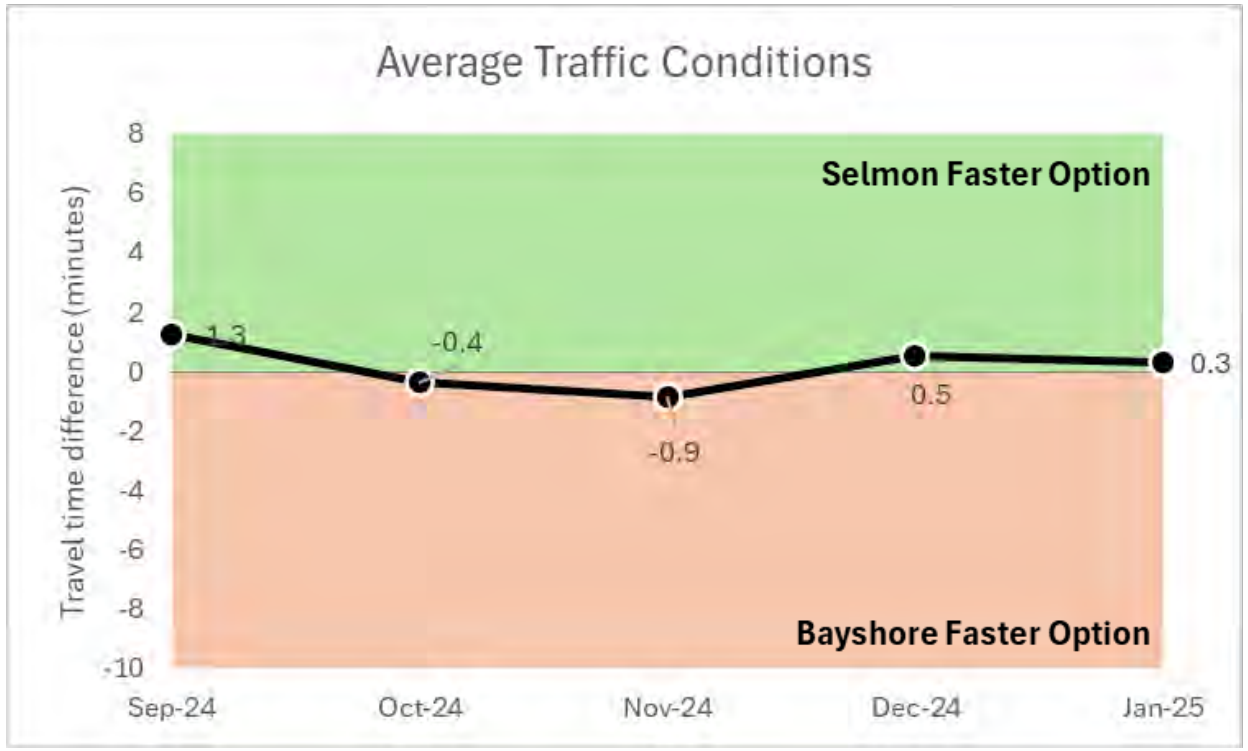
How do Selmon and Bayshore compare?

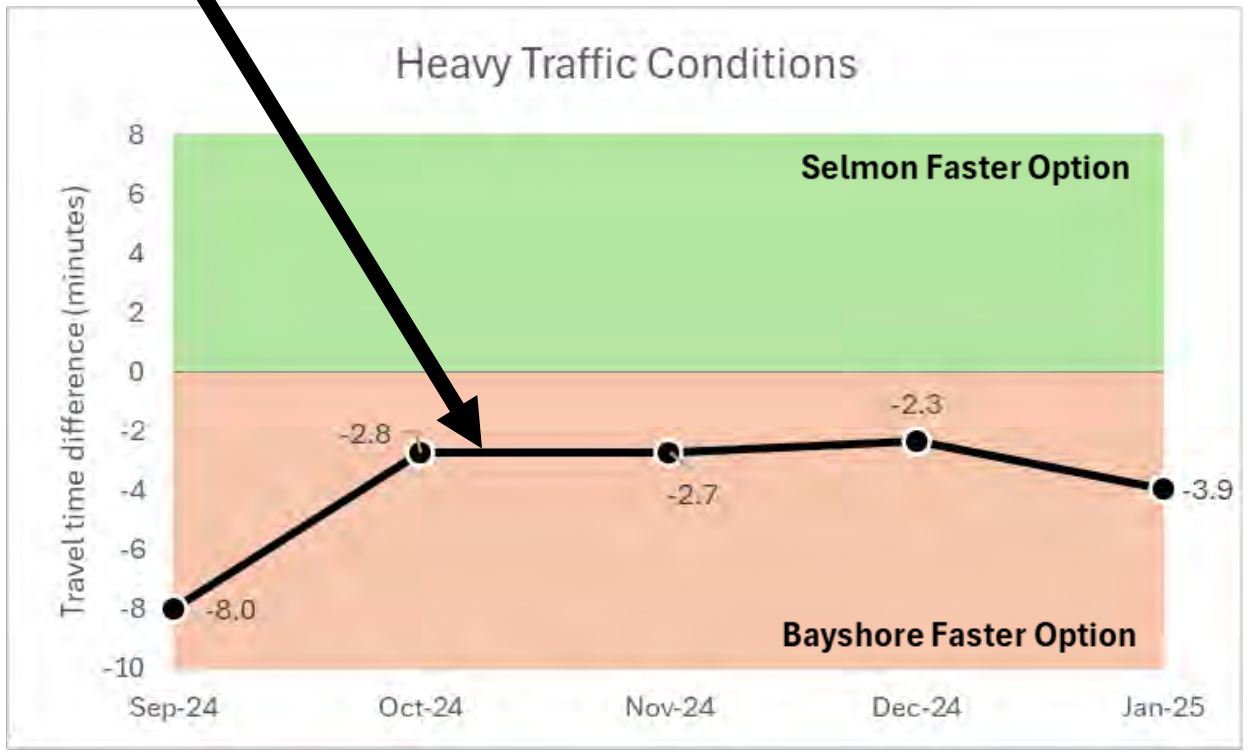
Average travel times for PM Peak, tracked by month

PERFORMANCE SUMMARIES
Report on Buffer Time Index, Planning Time Index, and other performance metrics.
Tutorial Help History

Bayshore TT – Selmon TT = Travel time difference

Bayshore is consistently the faster, less risky option during PM peak



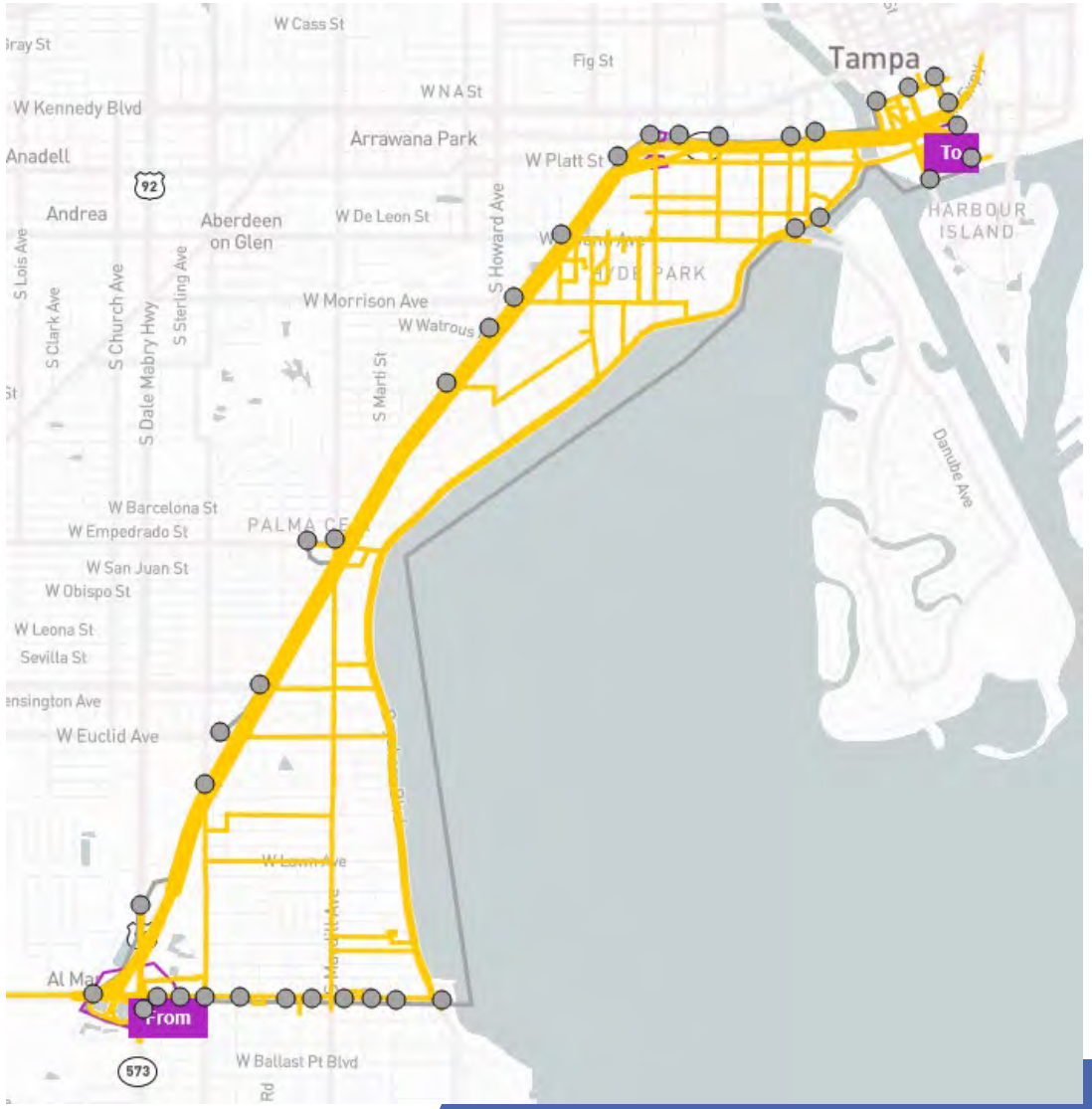


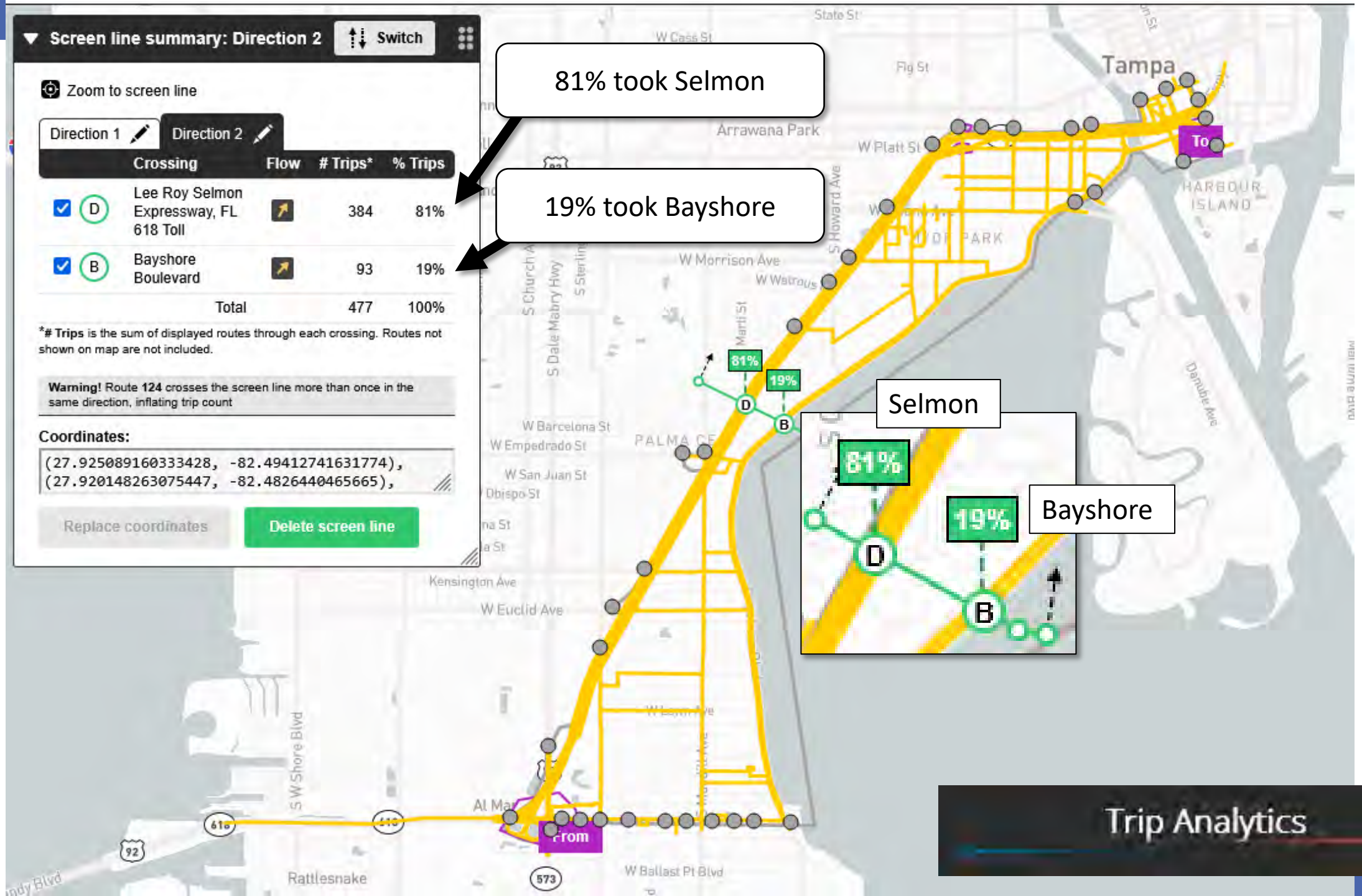
"Average" = average travel time over PM peak (weekdays 4-7pm)

"Heavy traffic conditions" = 95th percentile travel time over PM peak (weekdays 4-7pm)

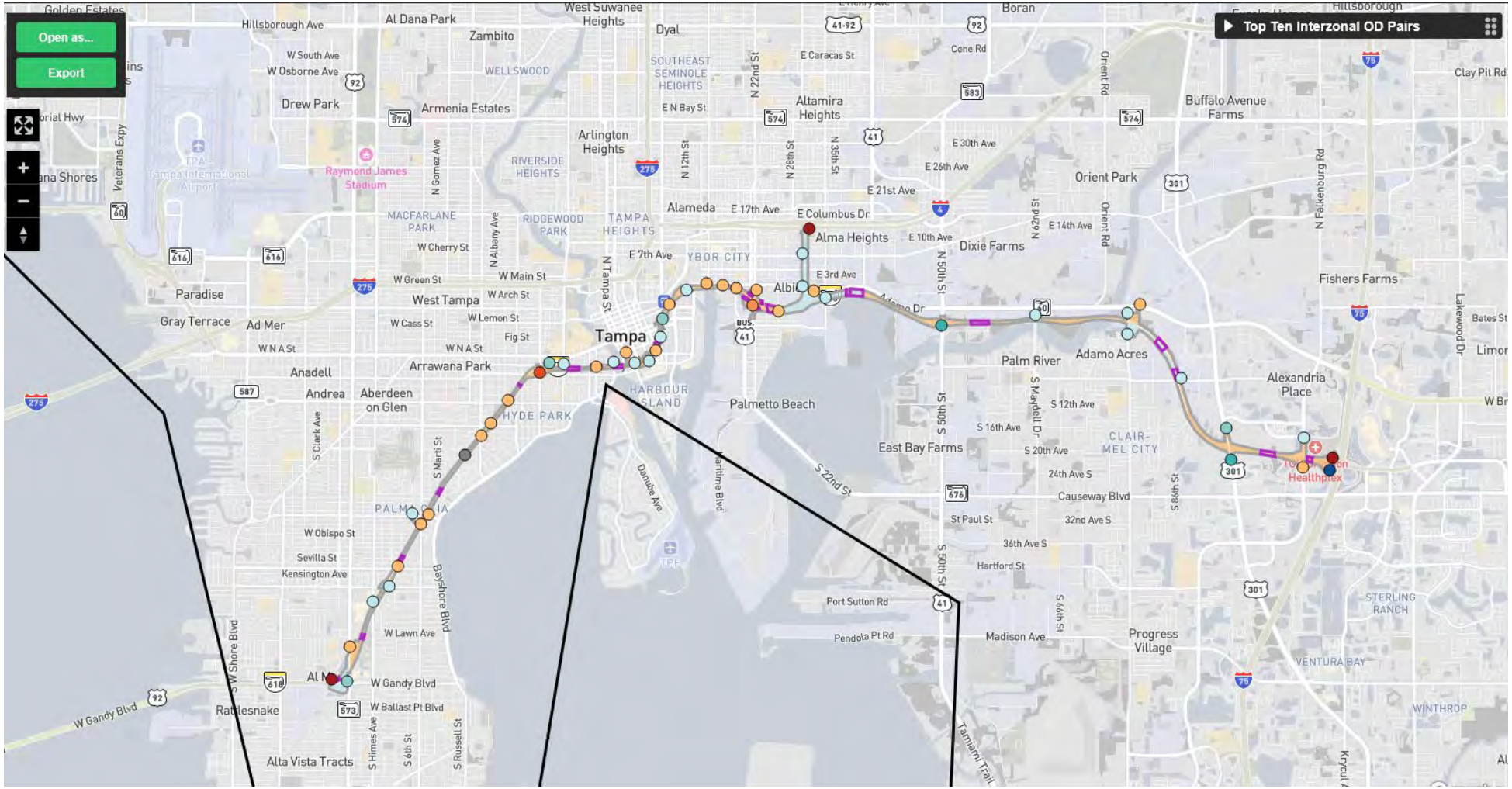
Use Case 3: What percentage of vehicles takes each route?
What routes are people taking between Gandy/Dale Mabry and Downtown Tampa?

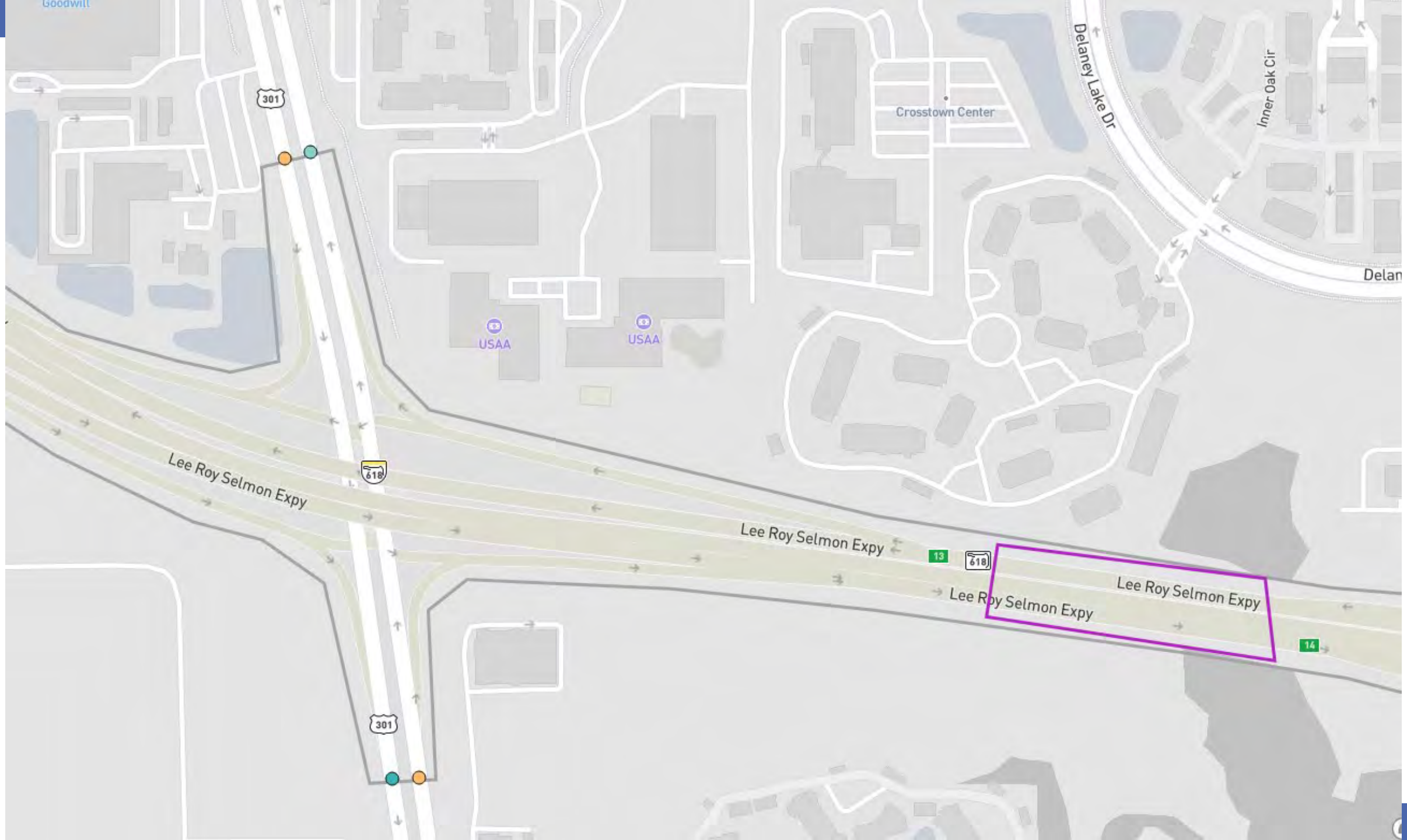
- South Selmon backs up on weekday afternoons approaching downtown Tampa.
- Drivers use Bayshore Blvd. and local roads as alternative to Selmon.
- What percentage of drivers use Bayshore instead of Selmon?




Screen line summary: Direction 2
Switch
Zoom to screen line
Direction 1
Direction 2
Crossing
Flow
Trips*
% Trips
Lee Roy Selmon Expressway, FL 618 Toll
384
81%
Bayshore Boulevard
93
19%
Total
477
100%
*# Trips is the sum of displayed routes through each crossing. Routes not shown on map are not included.
Warning! Route 124 crosses the screen line more than once in the same direction, inflating trip count
Coordinates:
(27.925089160333428, -82.49412741631774),
(27.920148263075447, -82.4826440465665),
Replace coordinates
Delete screen line
81% took Selmon
19% took Bayshore
Selmon
81%
Bayshore
19%
Tampa
To
From
Trip Analytics

Use Case 4: Most popular trip patterns

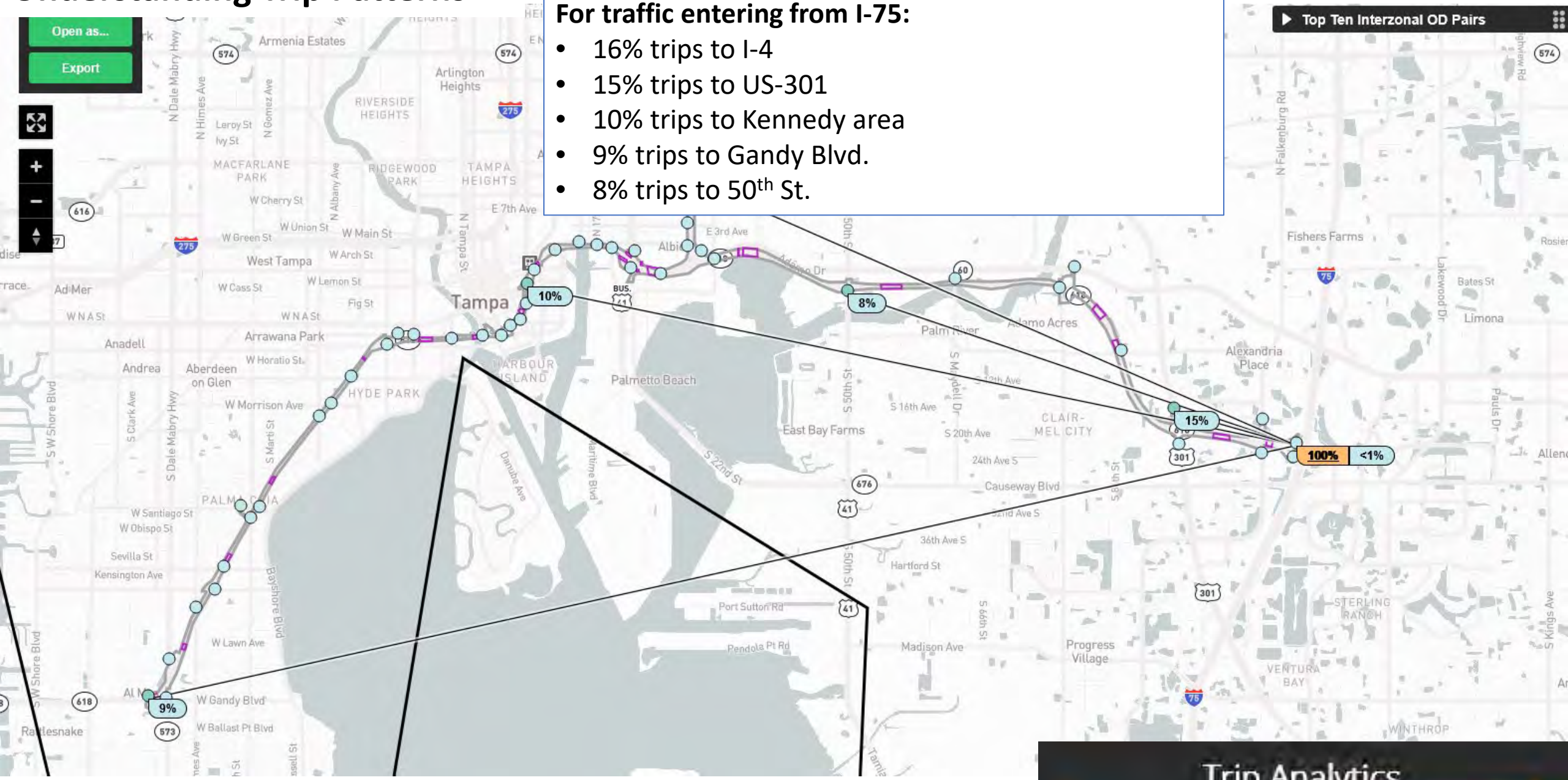



Goodwill
301
Crosstown Center
Delaney Lake Dr
Inner Oak Cir
USAA
USAA
Lee Roy Selmon Expy
618
Lee Roy Selmon Expy
13
618
Lee Roy Selmon Expy
Lee Roy Selmon Expy
14
301

Understanding Trip Patterns

For traffic entering from I-75:

- 16% trips to I-4
- 15% trips to US-301
- 10% trips to Kennedy area
- 9% trips to Gandy Blvd.
- 8% trips to 50th St.

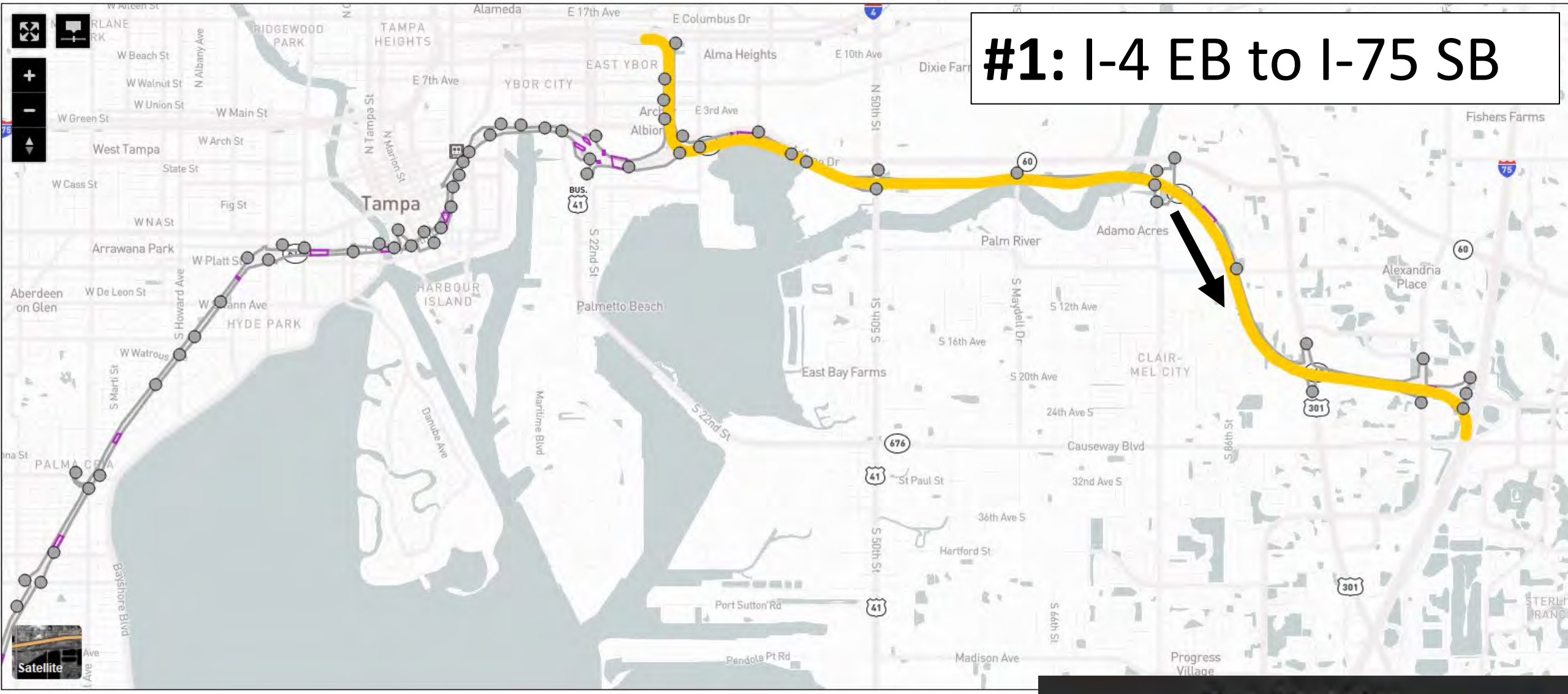


Trip Analytics

Understanding Trip Patterns (trip data)

AM and PM Peak

December 2024:
Top 5 Most Common Trips

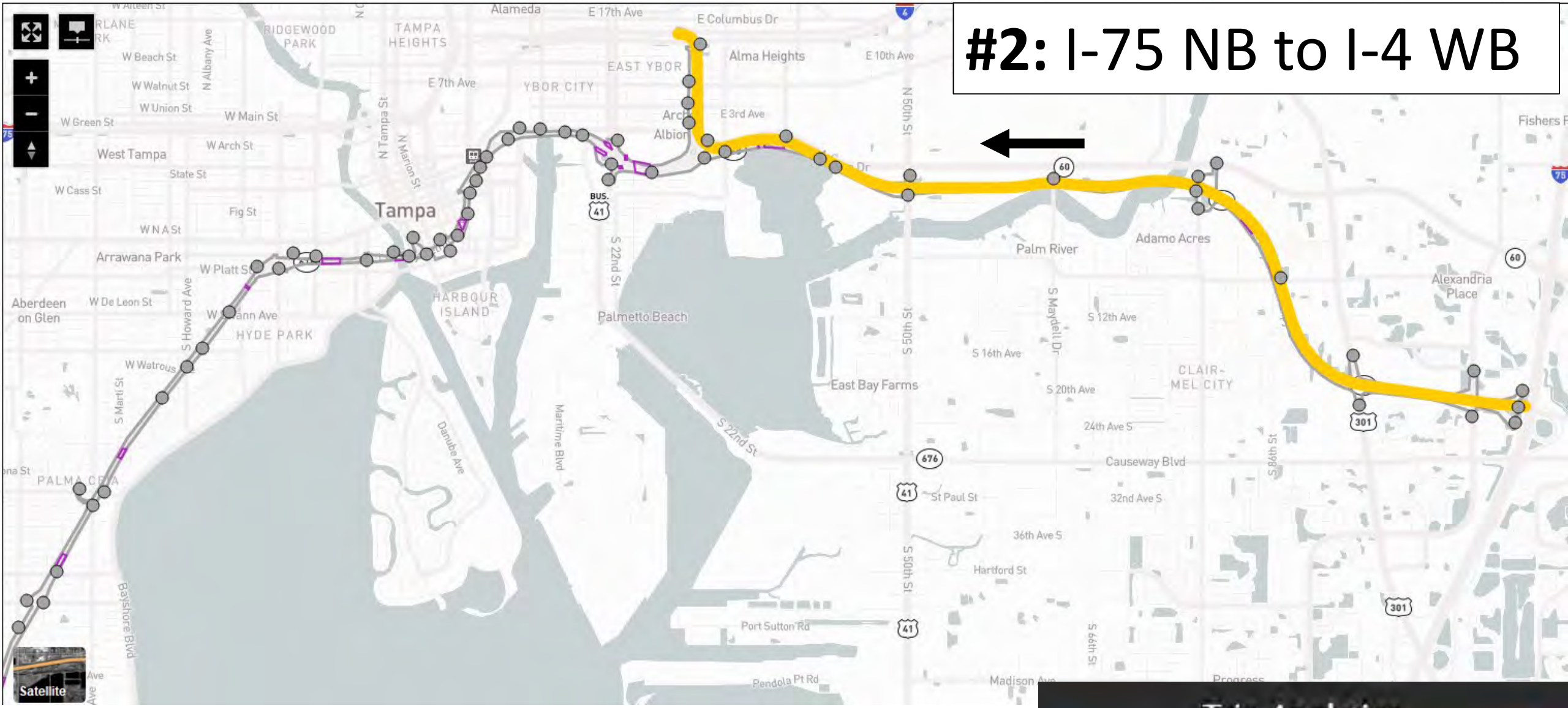


Trip Analytics

Understanding Trip Patterns (trip data)

PM Peak

December 2024:
Top 5 Most Common Trips

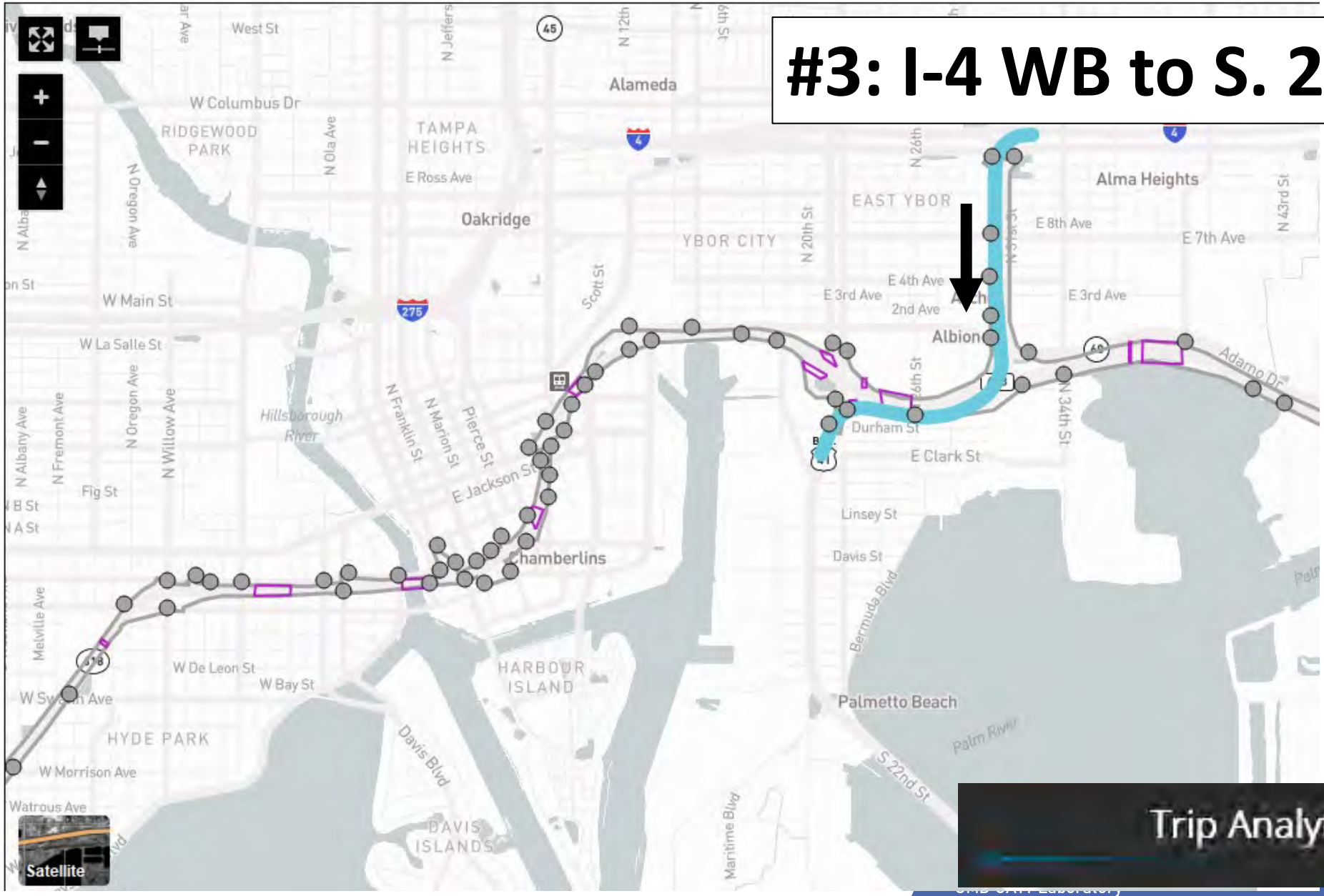


Understanding Trip Patterns (trip data)

AM Peak

December 2024:
Top 5 Most Common Trips

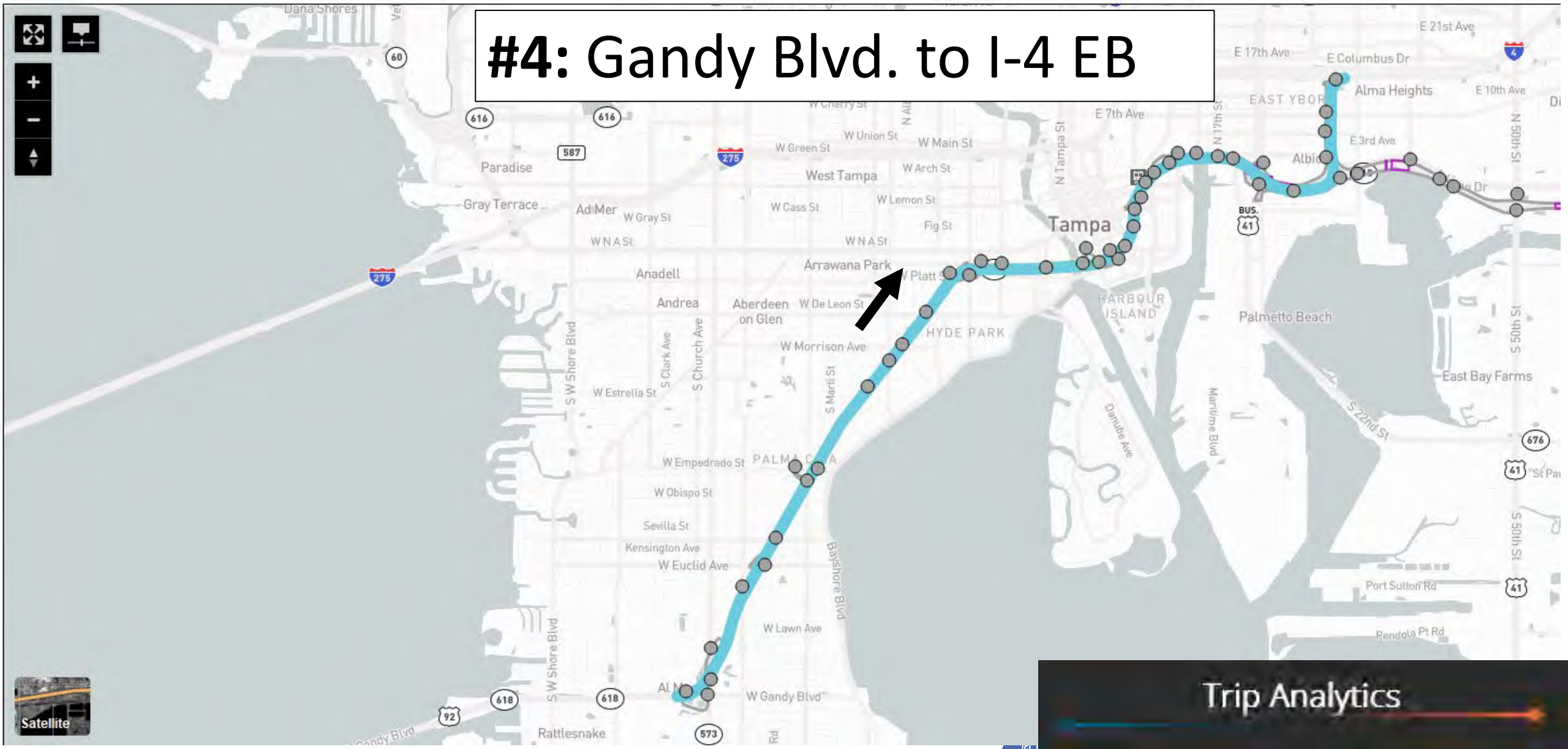
#3: I-4 WB to S. 20th St.



Understanding Trip Patterns (trip data)

PM Peak

December 2024:
Top 5 Most Common Trips

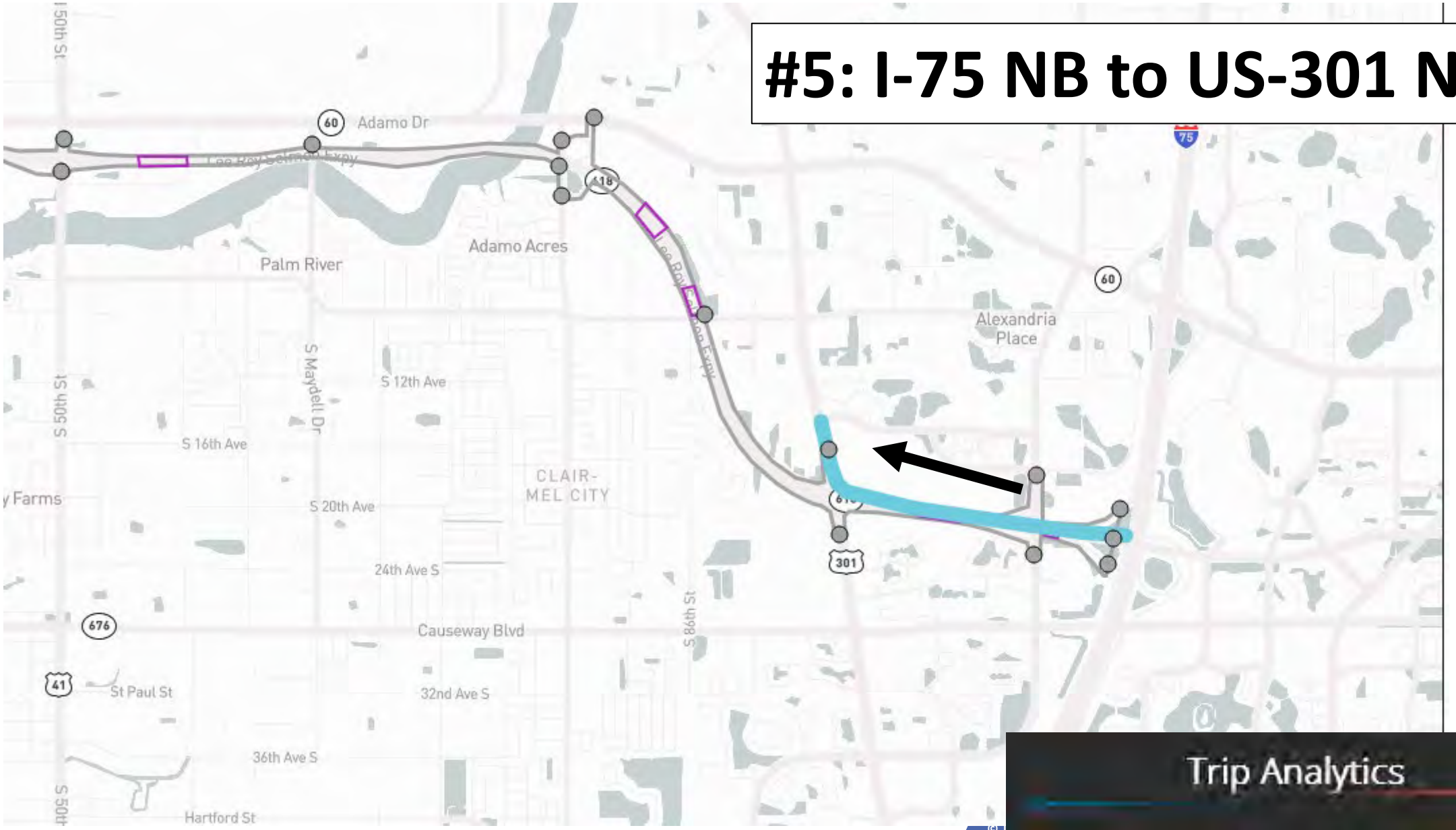


Understanding Trip Patterns (trip data)

AM Peak

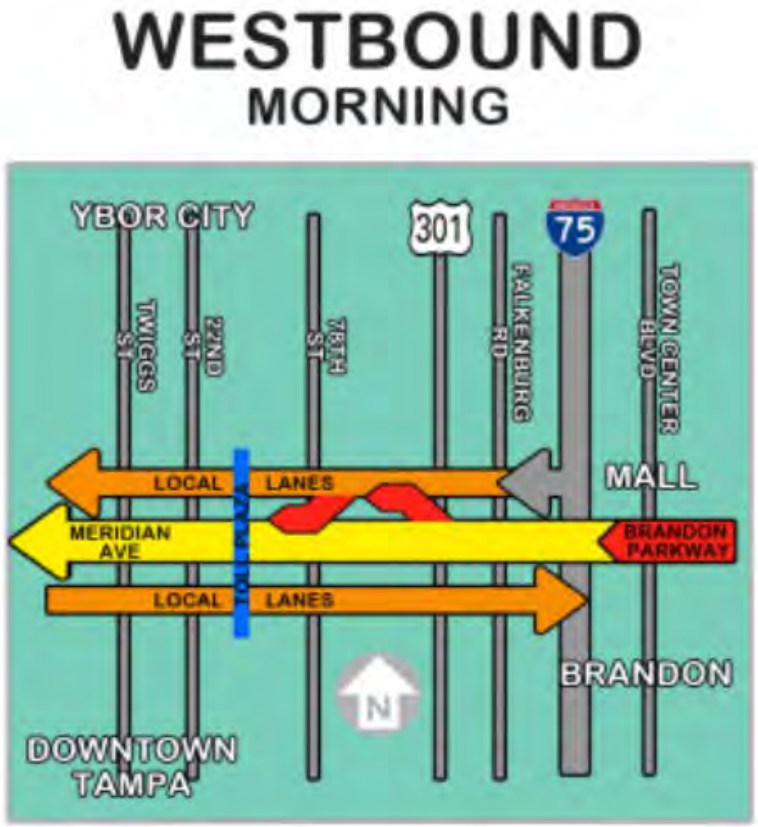
December 2024:
Top 5 Most Common Trips

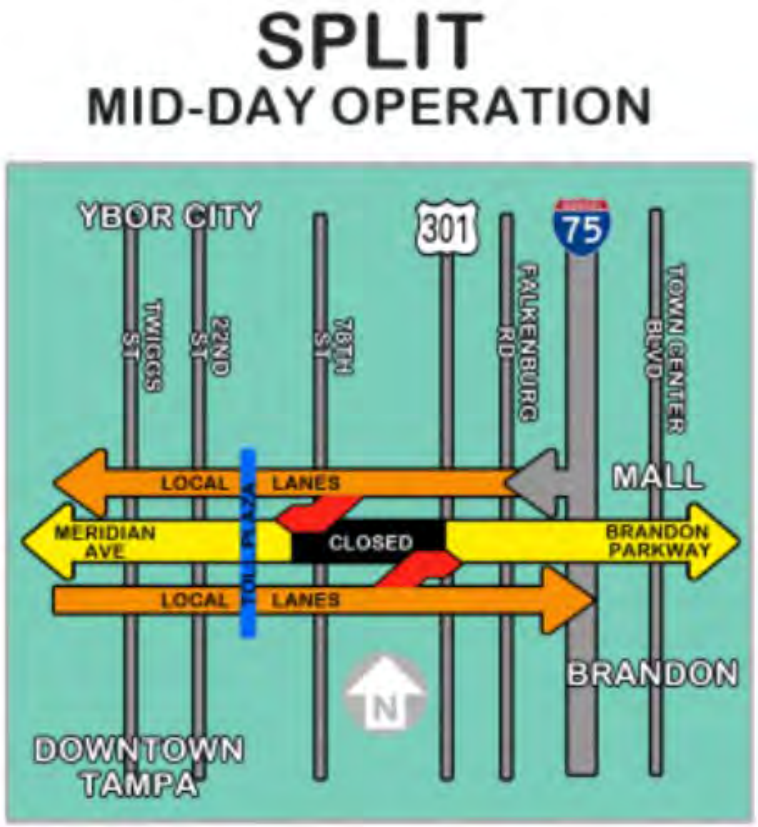
#5: I-75 NB to US-301 NB

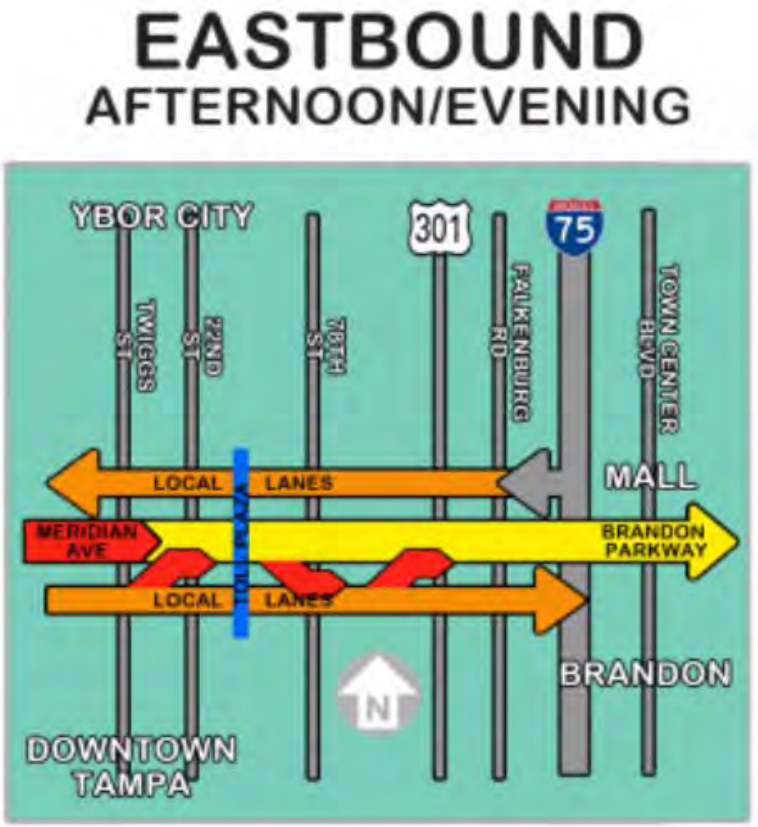


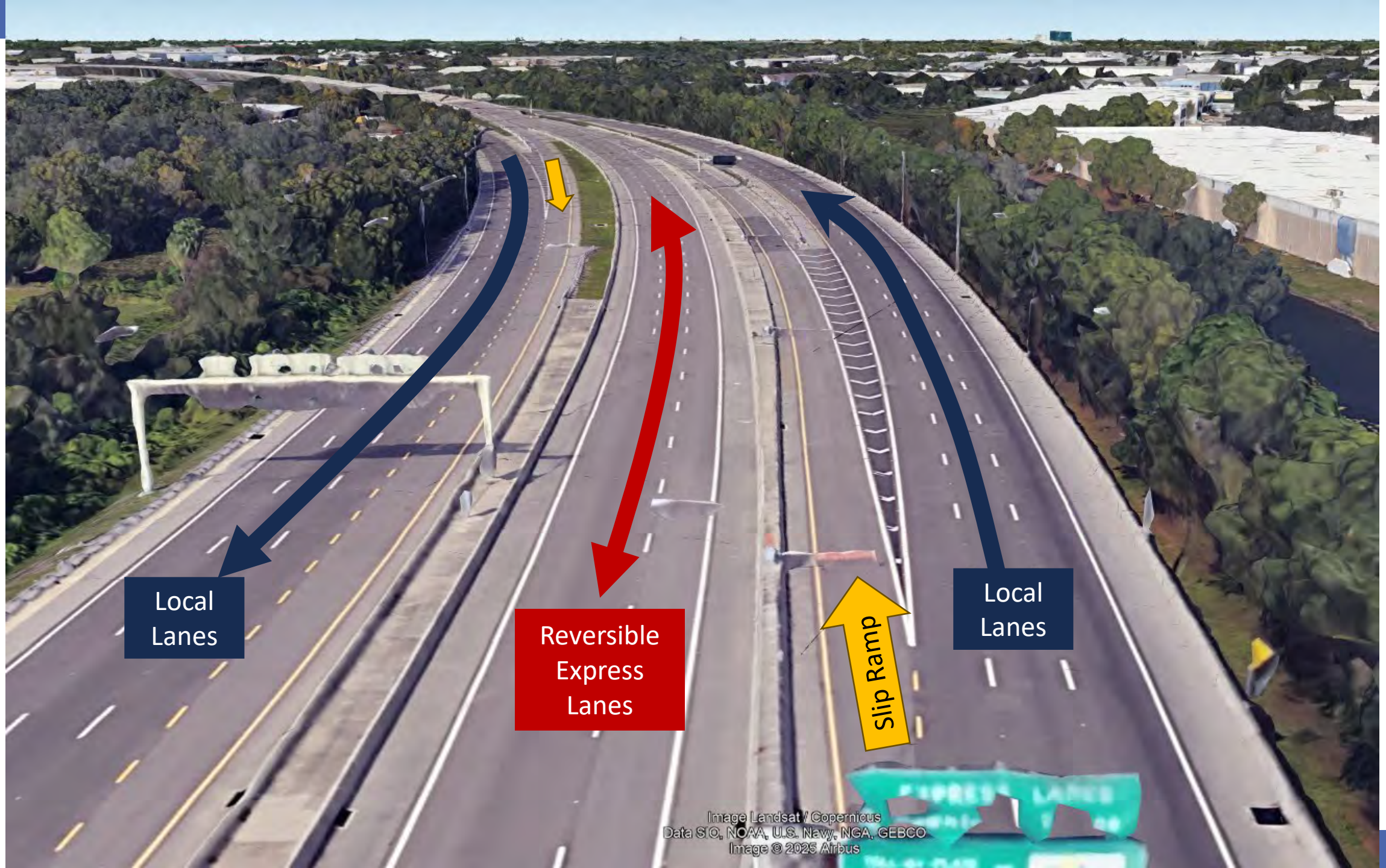
Trip Analytics

Use Case 5: Are vehicles using the new REL slip ramps?

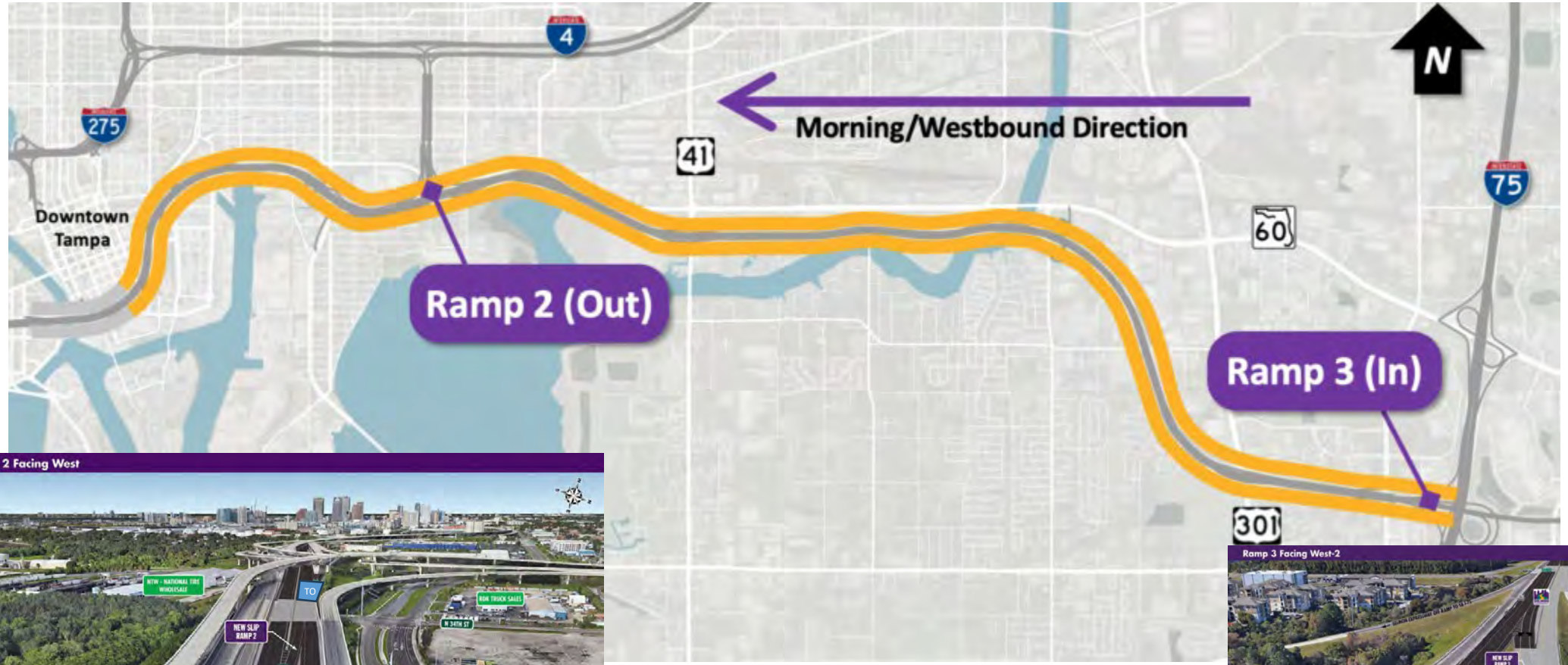




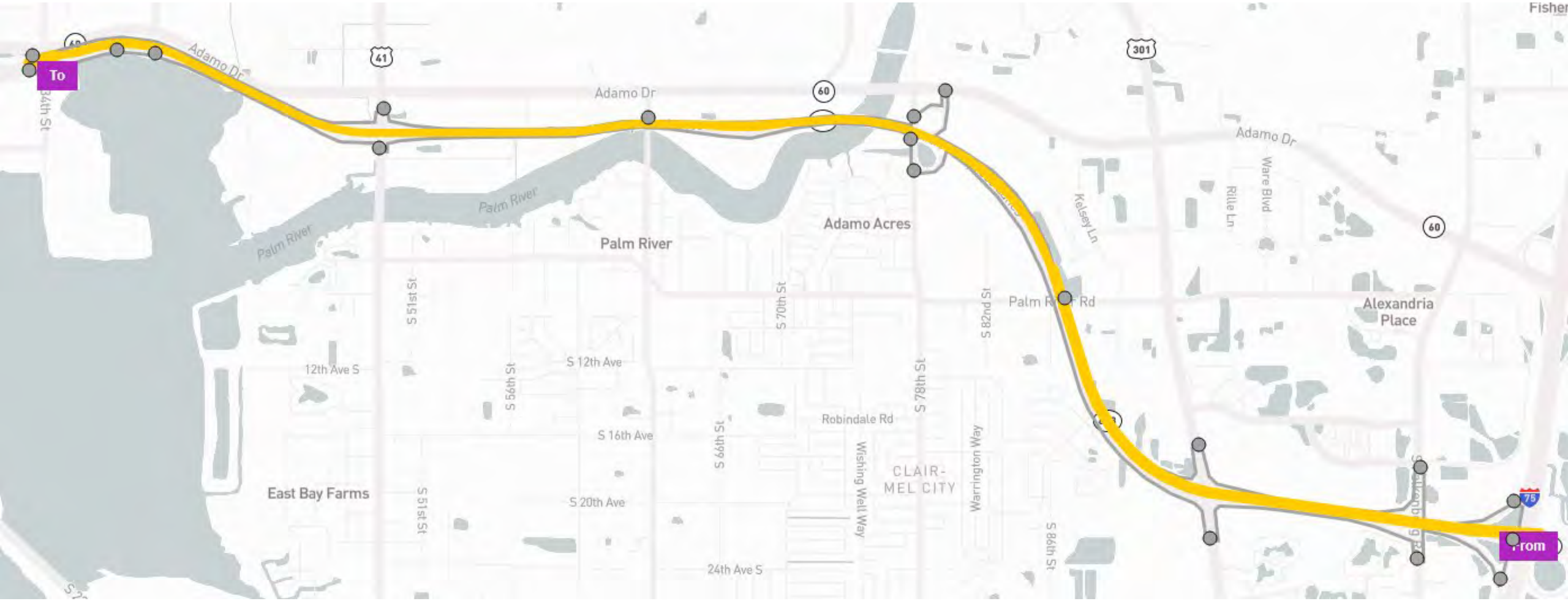



Local Lanes
Reversible Express Lanes
Slip Ramp
Local Lanes
Image Landsat / Copernicus
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2025 Airbus

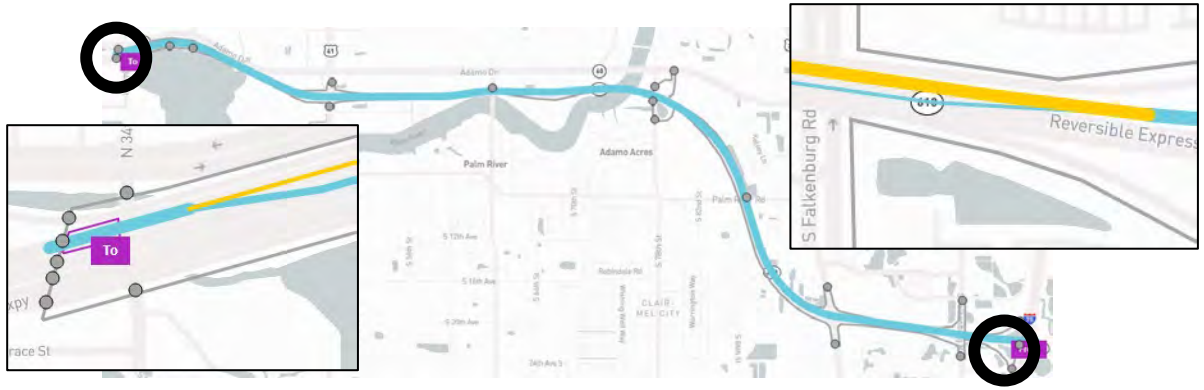
Use Case 5: Are vehicles using the new REL slip ramps?

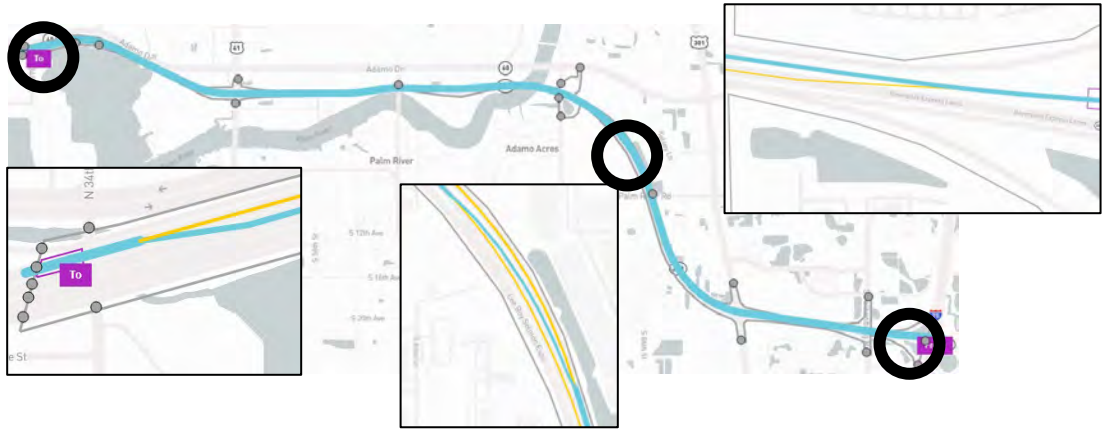


Use Case 5: Are vehicles using the new REL slip ramps?



		Avg. TT	Avg. Speed	% Trips
Fastest Trip	I-75 Slip Ramps	**6** m	**60** mph	**14**%
	78th St. Slip Ramps	**9** m	**44** mph	**49**%
Slowest Trip	Local Lanes	**11** m	**35** mph	**38**%





Be curious! See where the data takes you!

Questions?

Charles Lattimer
University of Maryland CATT Lab
Public Outreach & Signal Analytics
Lattimer@umd.edu

Bob Frey
Tampa Hillsborough Expressway Authority (THEA)
Director of Planning & Innovation
BobF@tampa-xway.com

Review of New Features and Capabilities along with work in progress

Michael Pack

Director
University of Maryland CATT Lab

Update on RITIS tools funded through the other sources

Trip Analytics

Welcome Emily! | My Studies | Datasets | Help | Logout

Query Parameters | OD Matrix | OD Zone Map | Filters | Display Options | Export

Summer Report #1

Geotab dataset

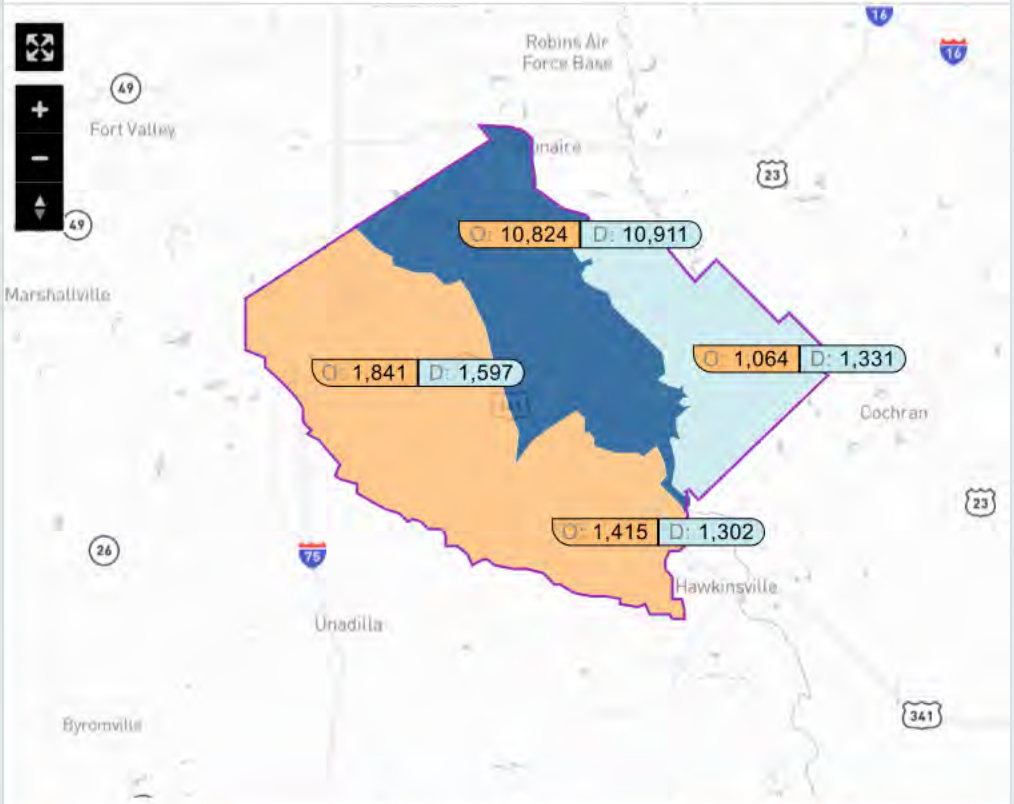
July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **20,232**

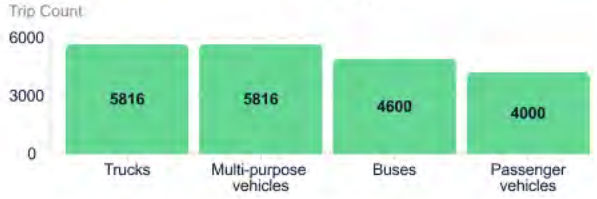
OD Zone Map

Origins: **6** Destinations: **6**

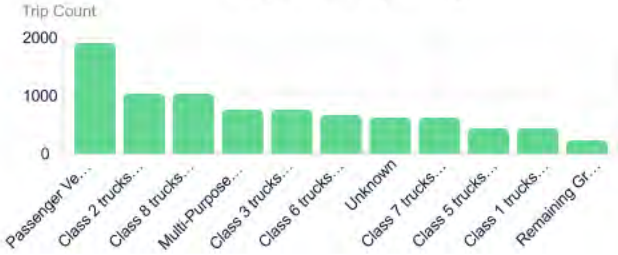


Trip Count by Category

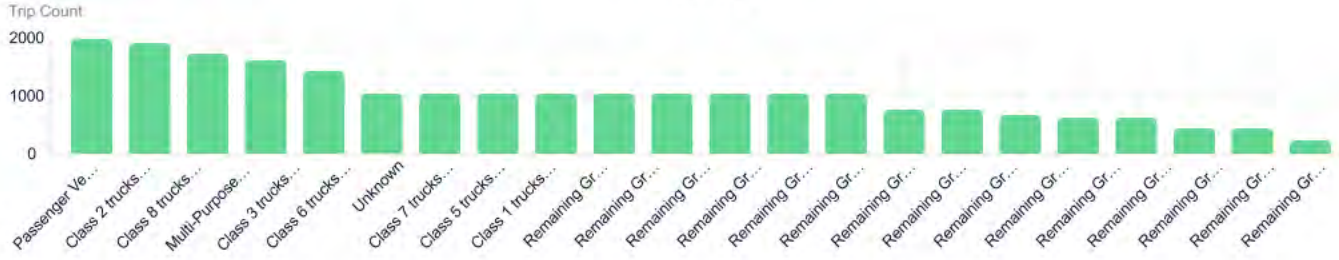
Vehicle Type



Weight Class (CARB)



Industry



Vocation

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Summer Report #1

Geotab dataset

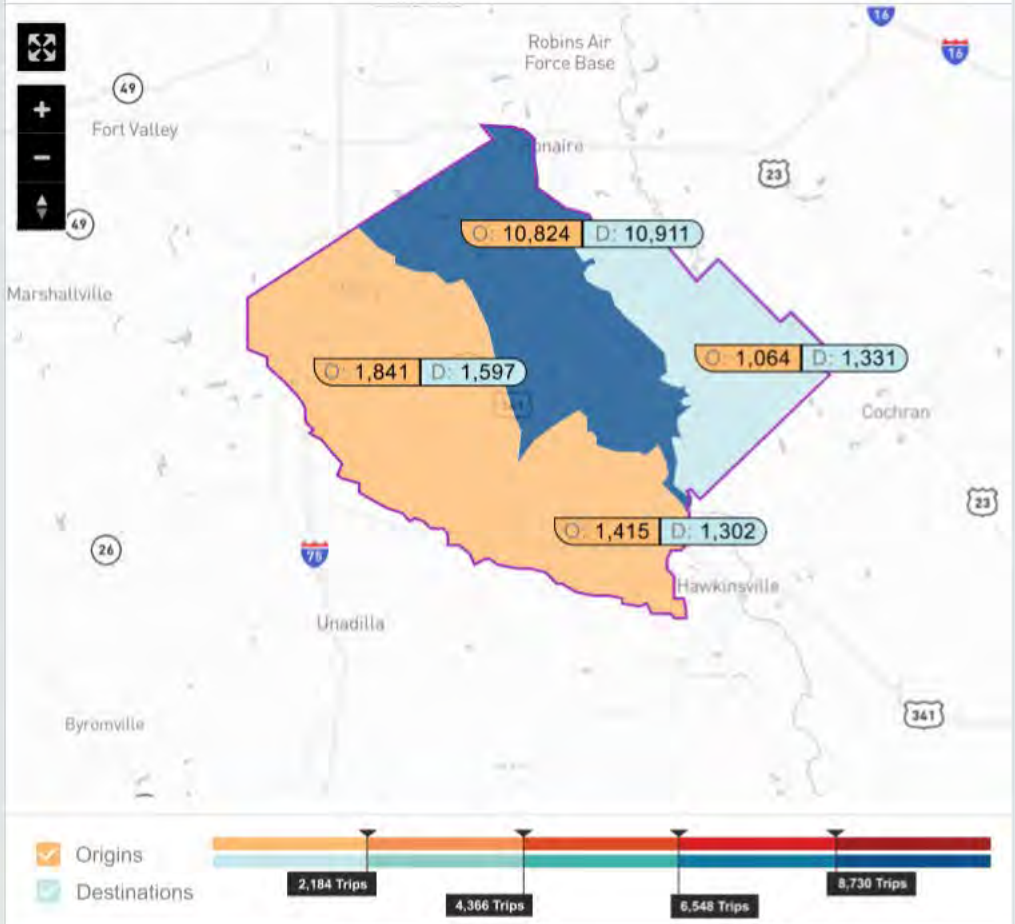
July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **20,232**

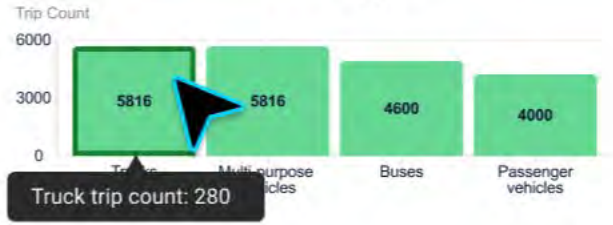
OD Zone Map

Origins: **6** Destinations: **6**

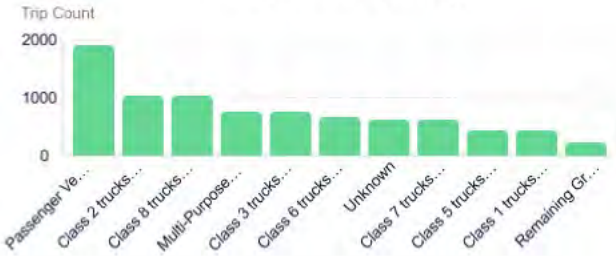


Trip Count by Category

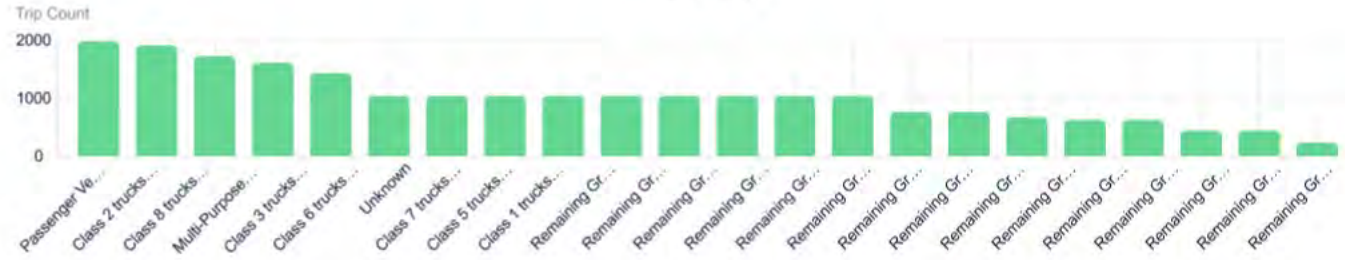
Vehicle Type



Weight Class (CARB)



Industry



Vocation

Trip Analytics

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Query Parameters | OD Matrix | OD Zone Map | Trucks and multi-purpose vehicles | Clear all filters | Filters | Display Options | Export

Summer Report #1

Geotab dataset

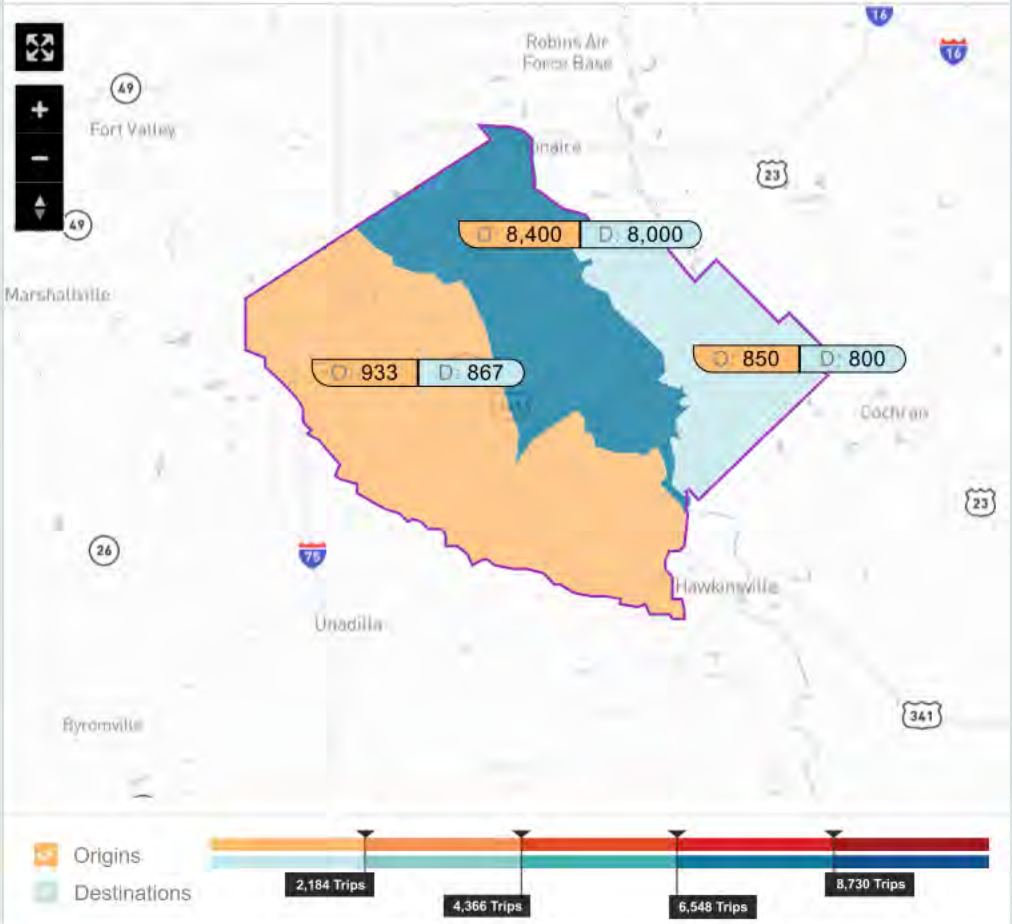
July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **10,824** of 20,323

OD Zone Map

Origins: **3** Destinations: **3**

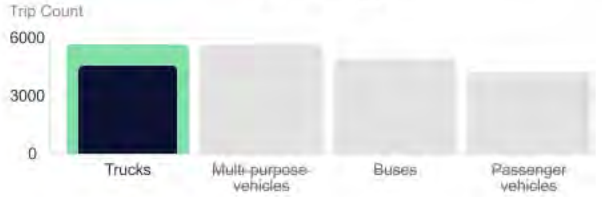


Trip Count by Category

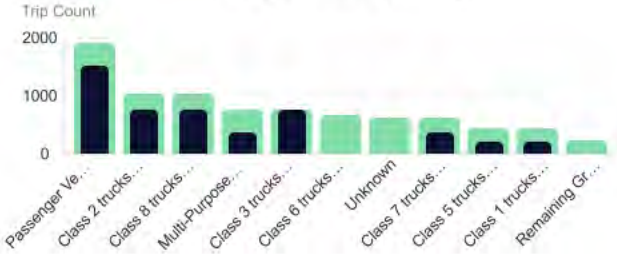
Filtered trip count (zone & trucks)
Total trip count

Clear filters

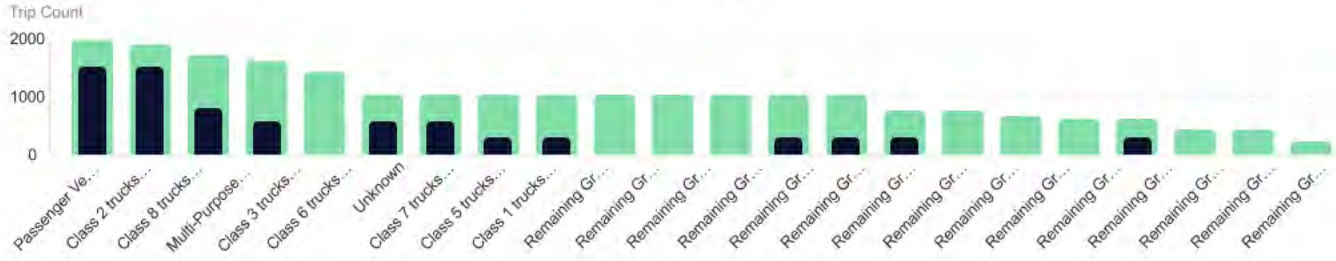
Vehicle Type



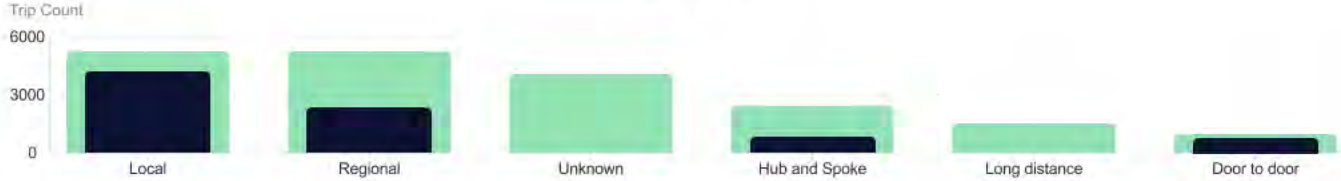
Weight Class (CARB)



Industry



Vocation



Trip Analytics

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Query Parameters | OD Matrix | OD Zone Map

Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicles | Clear all filters | Filters | Display Options | Export

Summer Report #1

Geotab dataset

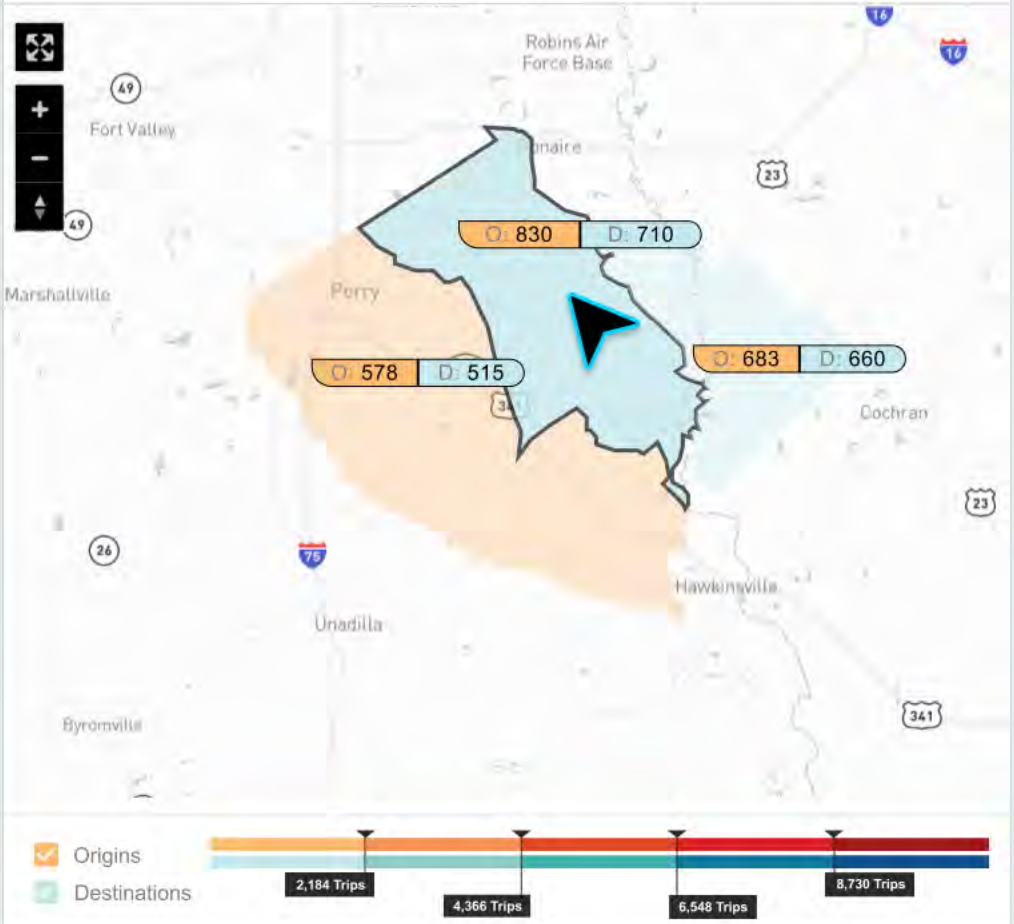
July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **9,824** of 20,323

OD Zone Map

Origins: **2** Destinations: **2**



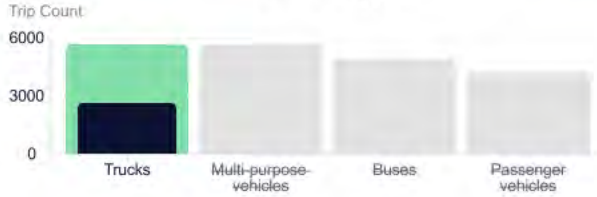
Trip Count by Category

Filtered trip count (Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicles)
Total trip count

Clear filters

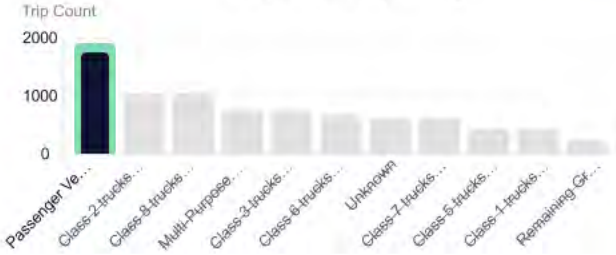
Vehicle Type

Clear filters

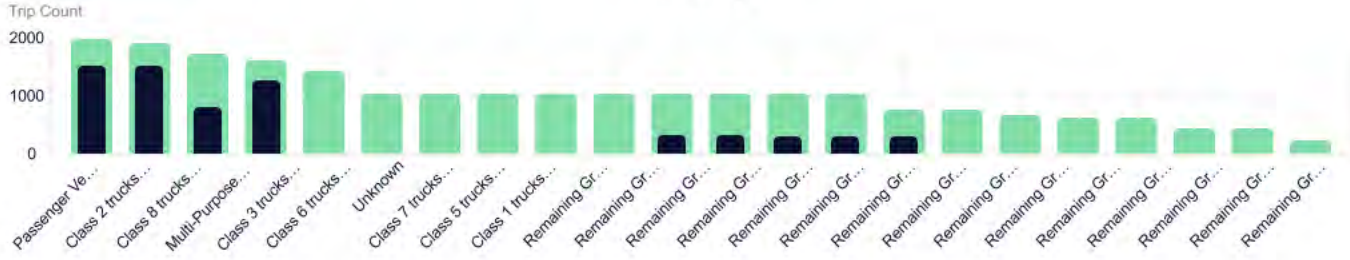


Weight Class (CARB)

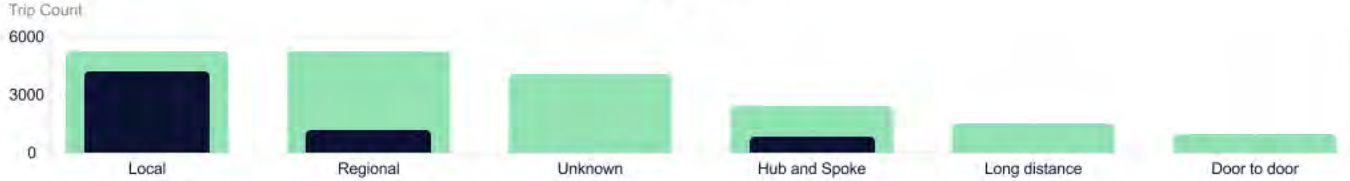
Clear filters



Industry



Vocation



Trip Analytics

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Query Parameters | OD Matrix | OD Zone Map

Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicles | Clear all filters | Filters | Display Options | Export

Summary Report #1

Geotab dataset

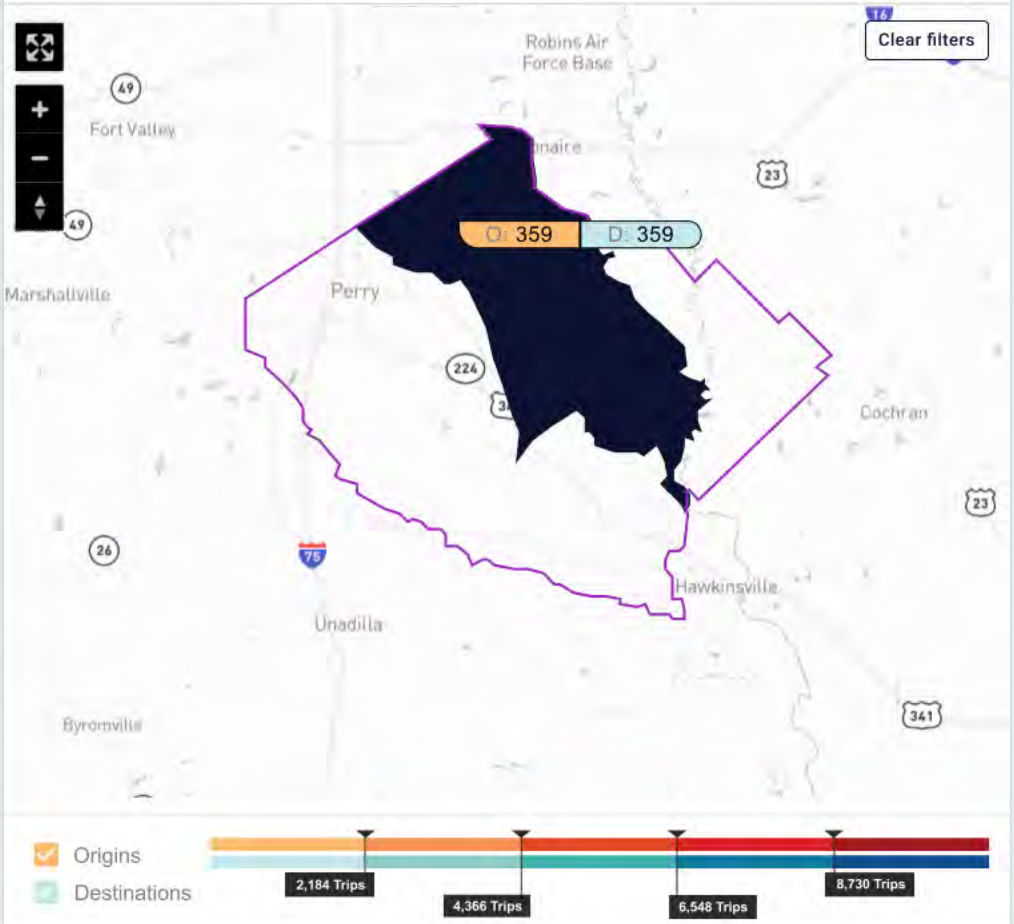
July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **359** of 20,323

OD Zone Map

Origins: **1** Destinations: **1**



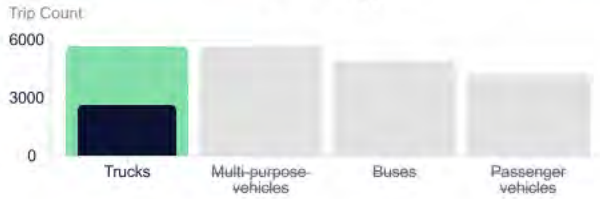
Trip Count by Category

Filtered trip count (Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehi…
Total trip count

Clear filters

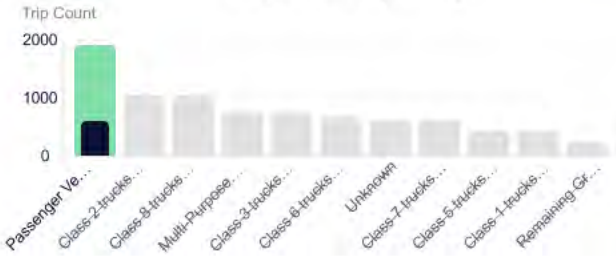
Vehicle Type

Clear filters

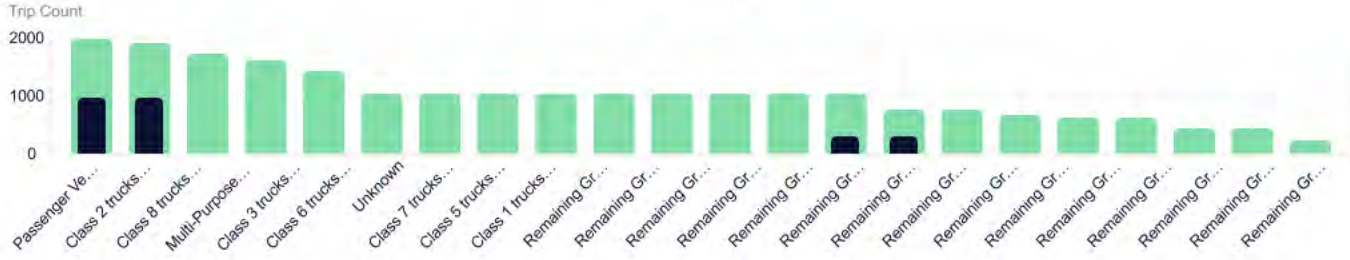


Weight Class (CARB)

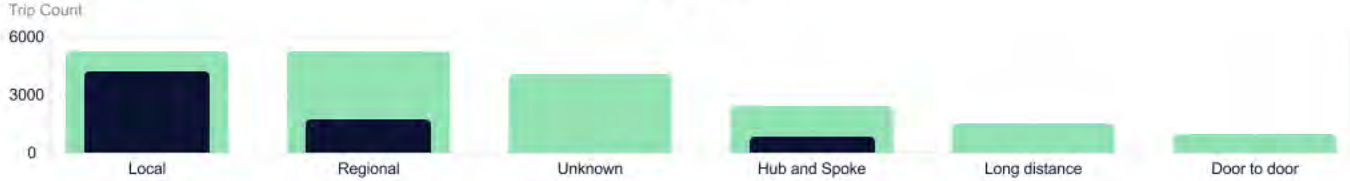
Clear filters



Industry



Vocation



Trip Analytics

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Query Parameters | OD Matrix | OD Zone Map

Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicles | Clear all filters | Filters | Display Options | Export

Summary Report #1

Geotab dataset

July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **359** of 20,323

OD Zone Map

Origins: **1** Destinations: **1**

Clear filters

D: 359

Robins Air Force Base, Fort Valley, Perry, Marshallville, Cochran, Hawkinsville, Unadilla, Byromville

Origins
Destinations

2,184 Trips | 4,366 Trips | 6,548 Trips | 8,730 Trips

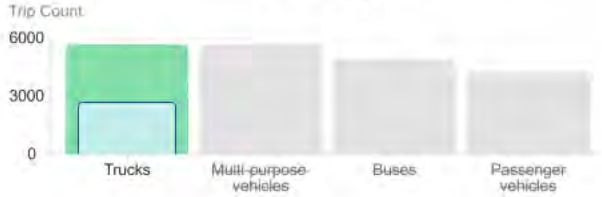
Trip Count by Category

Filtered trip count (Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicle…
Total trip count

Clear filters

Vehicle Type

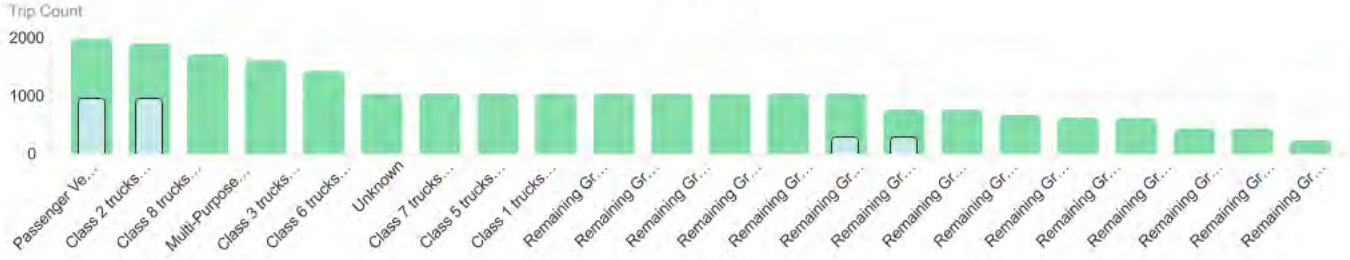
Clear filters



Weight Class (CARB)

Clear filters

Industry



Vocation

Trip Analytics

Welcome Emily! | My Studies | Datasets | Help | Logout

Query Parameters | OD Matrix | OD Zone Map

Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicles | Clear all filters | Filters | Display Options | Export

Summer Report #1

Geotab dataset

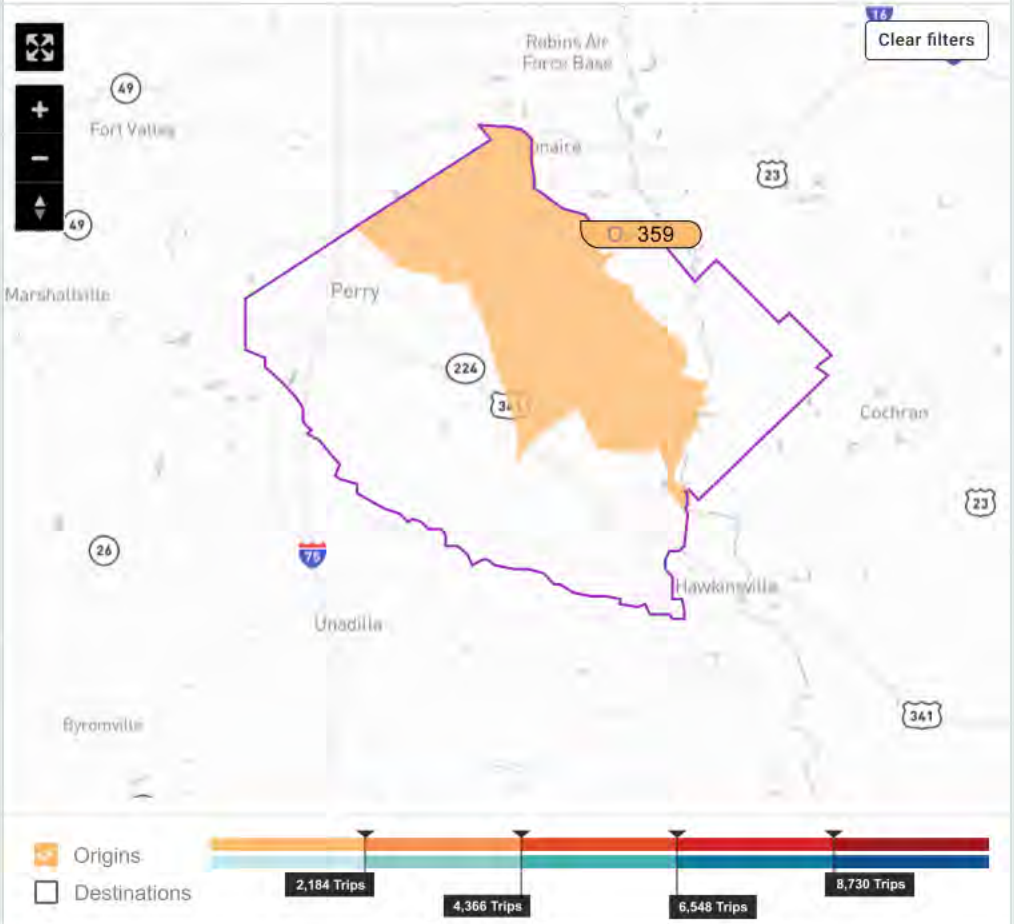
July 1st, 2024 - July 7th, 2024

07:00 - 09:00 AM S M **T W T** F S

Trips **359** of 20,323

OD Zone Map

Origins: **1** Destinations: **1**

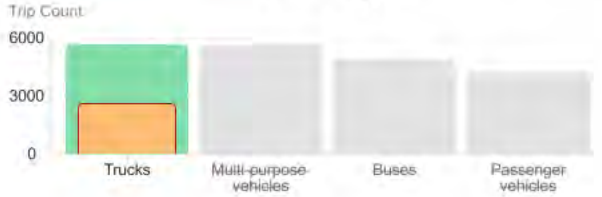


Trip Count by Category

Filtered trip count (Vehicle Type: trucks, multi-purpose vehicles, Weight Class: passenger vehicles), 1…
Total trip count

Clear filters

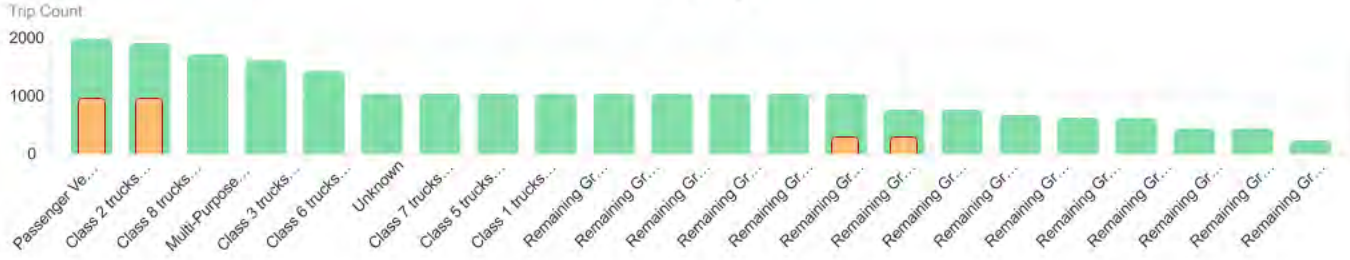
Vehicle Type



Clear filters

Weight Class (CARB)

Industry



Vocation

Global Data: 2D & 3D

Trip Analytics

Welcome Emily! | My Studies | Datasets | Help | Logout

Query Parameters | Overview | Filters | Display Options | Export

Spire maritime dataset

07/01/2024 - 07/03/2024
07:00 - 09:00 AM
S M **T W T** F S

Trips
4,744

Trips from
East Coast

to
West Coast

through
The Panama Canal

Maritime Map

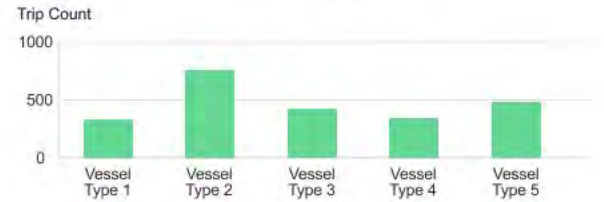
Trips completed: **3,249** In-Progress: **1,495**

Top Interzonal Pairs

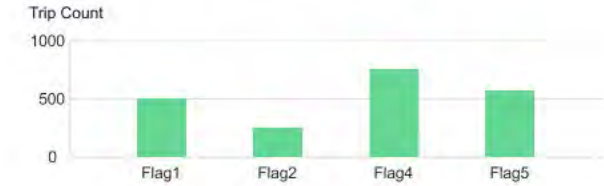
1. **220 trips** County 1 to County 2
2. **139 trips** County 7 to County 2
3. **114 trips** County 12 to County 20
4. **535 trips** County 110 to County 56
5. **470 trips** County 57 to County 81
6. **414 trips** County 52 to County 94

Trip Count By Category

Vessel type



Countries flags



Trip Analytics

Welcome Emily! | My Studies | Datasets | Help | Logout

Query Parameters | Overview | Filters | Display Options | Export

Spire maritime dataset

07/01/2024 - 07/03/2024
07:00 - 09:00 AM
S M **T W T** F S

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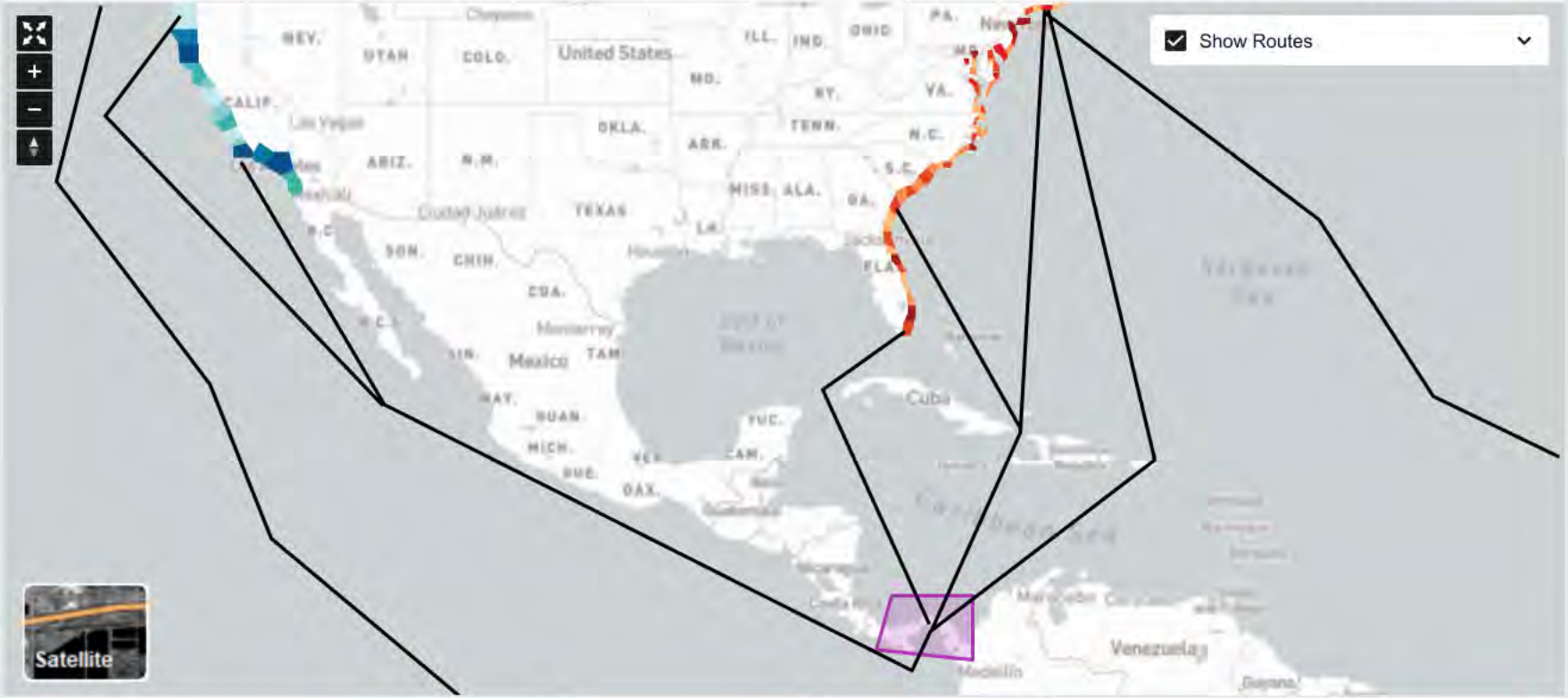

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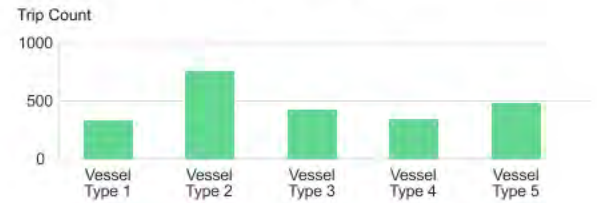
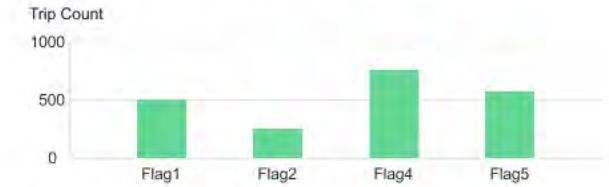
Trip Count By Category

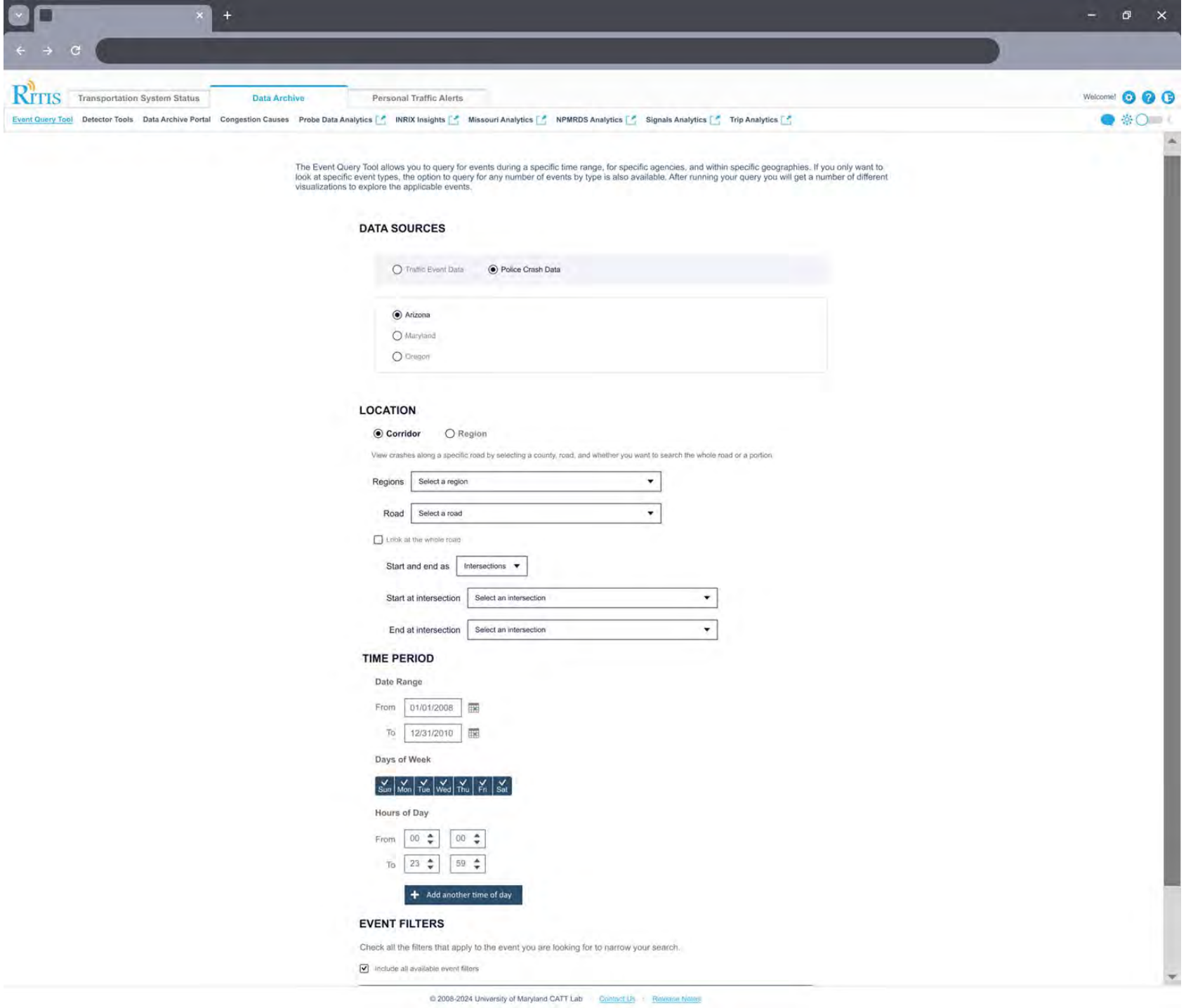
Vessel type

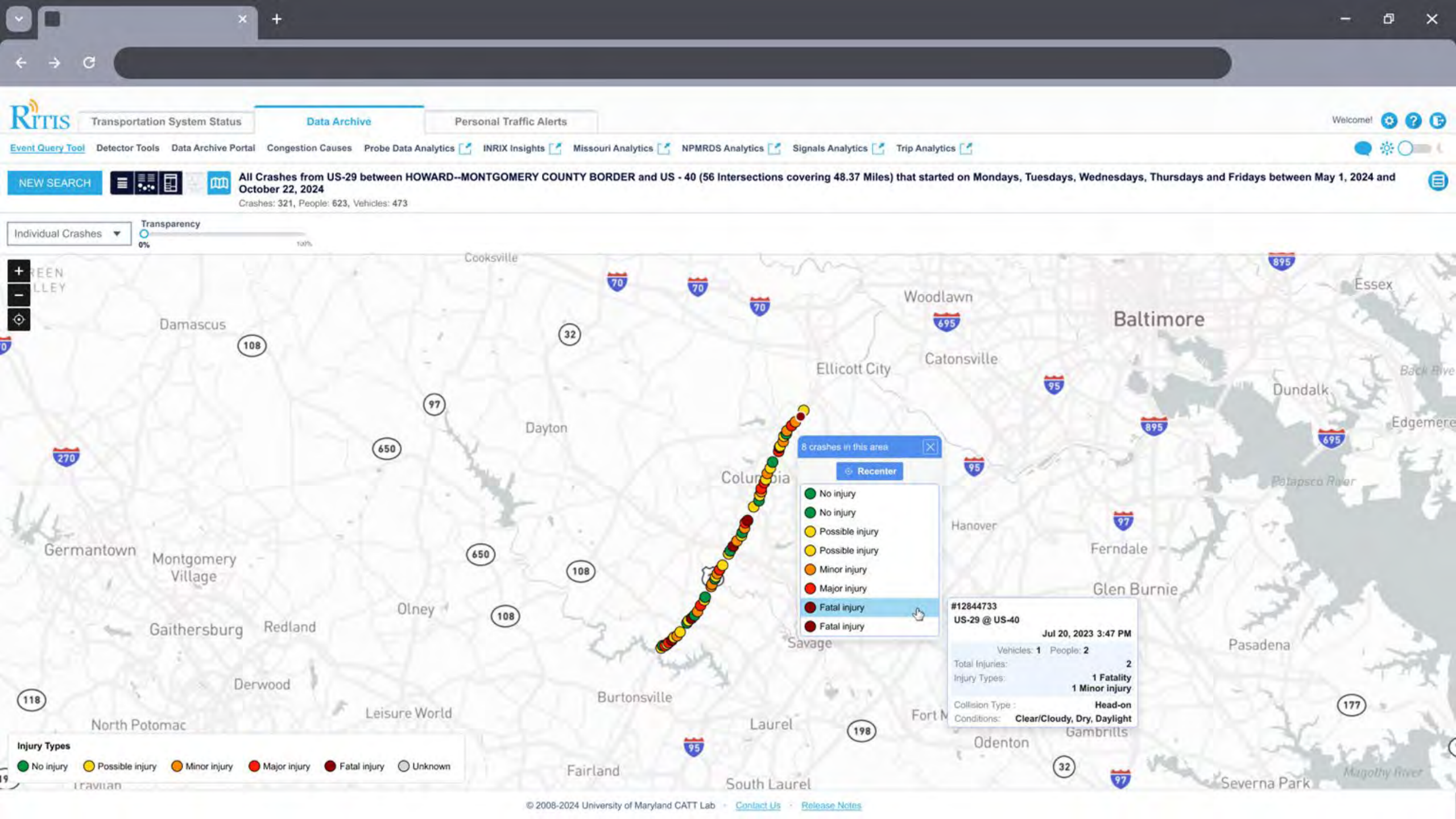


Countries flags



New Safety Data Analytics Capabilities




RITIS
Transportation System Status
Data Archive
Personal Traffic Alerts
Welcome!
Event Query Tool
Detector Tools
Data Archive Portal
Congestion Causes
Probe Data Analytics
INRIX Insights
Missouri Analytics
NPMRDS Analytics
Signals Analytics
Trip Analytics
NEW SEARCH
All Crashes from US-29 between HOWARD--MONTGOMERY COUNTY BORDER and US - 40 (56 Intersections covering 48.37 Miles) that started on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays between May 1, 2024 and October 22, 2024
Crashes: 321, People: 623, Vehicles: 473
Individual Crashes
Transparency
0%
100%
8 crashes in this area
Recenter
No injury
No injury
Possible injury
Possible injury
Minor injury
Major injury
Fatal injury
Fatal injury
#12844733
US-29 @ US-40
Jul 20, 2023 3:47 PM
Vehicles: 1 People: 2
Total Injuries: 2
Injury Types: 1 Fatality
1 Minor injury
Collision Type : Head-on
Conditions: Clear/Cloudy, Dry, Daylight
Injury Types
No injury
Possible injury
Minor injury
Major injury
Fatal injury
Unknown
Cooksville
Damascus
Woodlawn
Baltimore
Essex
Ellicott City
Catonsville
Dundalk
Edgemere
Dayton
Columbia
Hanover
Ferndale
Glen Burnie
Pasadena
Germantown
Montgomery Village
Olney
Gaithersburg
Redland
Derwood
Burtonsville
Savage
Laurel
Fairland
South Laurel
Odenton
Gambrills
Severna Park
Leisure World
North Potomac
Patapsco River
Magothy River
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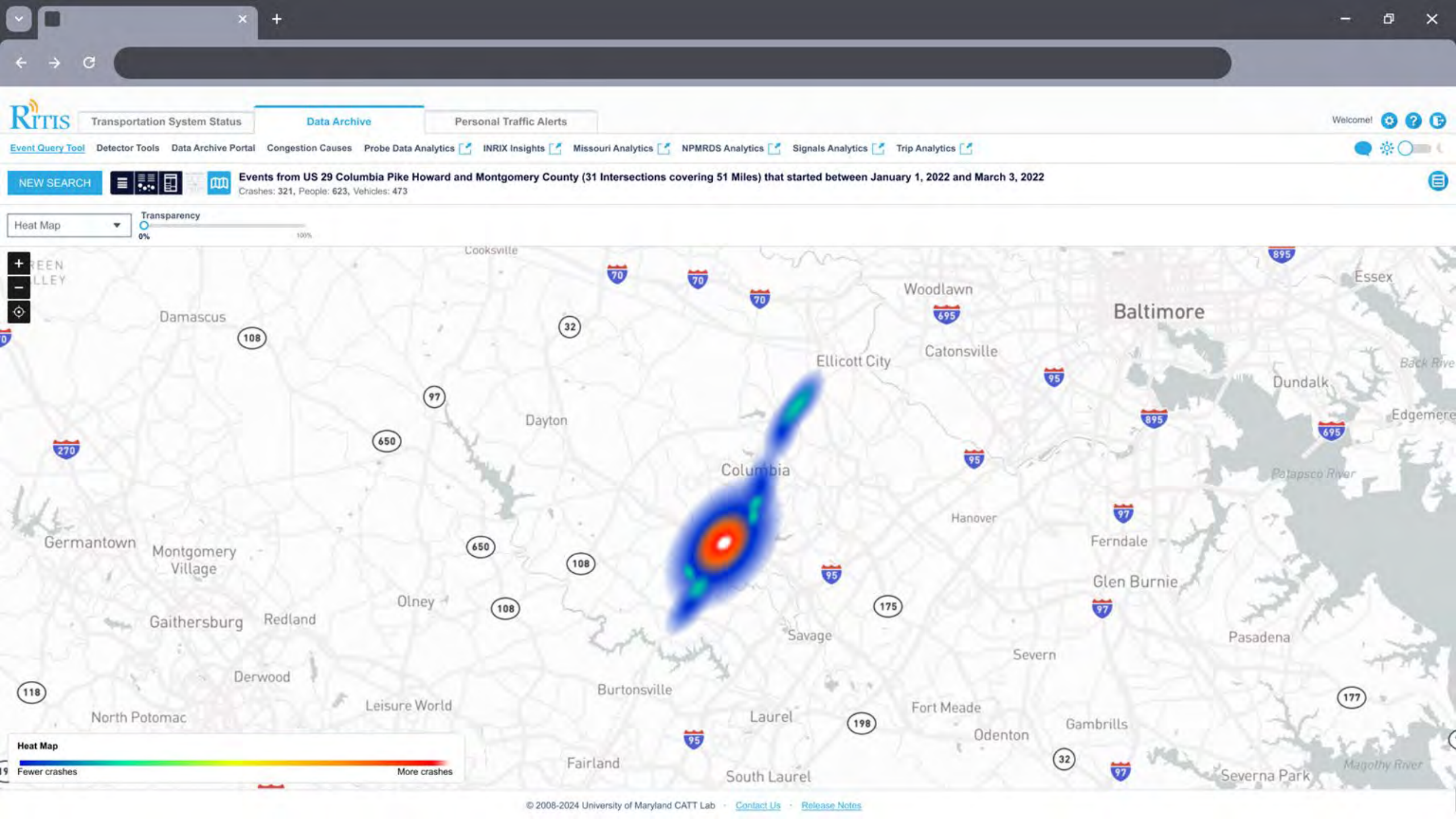
Contact Us
Release Notes


RITIS
Transportation System Status
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Event Query Tool
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Data Archive Portal
Congestion Causes
Probe Data Analytics
INRIX Insights
Missouri Analytics
NPMRDS Analytics
Signals Analytics
Trip Analytics
NEW SEARCH
Events from US 29 Columbia Pike Howard and Montgomery County (31 Intersections covering 51 Miles) that started between January 1, 2022 and March 3, 2022
Crashes: 321, People: 623, Vehicles: 473
Heat Map
Transparency
0%
100%
Cooksville
Damascus
Woodlawn
Baltimore
Essex
Ellicott City
Catonsville
Dundalk
Edgemere
Dayton
Columbia
Hanover
Ferndale
Glen Burnie
Pasadena
Germantown
Montgomery Village
Olney
Gaithersburg
Redland
Savage
Severn
Derwood
Burtonsville
Leisure World
North Potomac
Laurel
Fort Meade
Odenton
Gambrills
Fairland
South Laurel
Severna Park
Patapsco River
Back River
Magothy River
Heat Map
Fewer crashes
More crashes
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Release Notes

RITIS | Transportation System Status | Data Archive | Personal Traffic Alerts | Welcome!

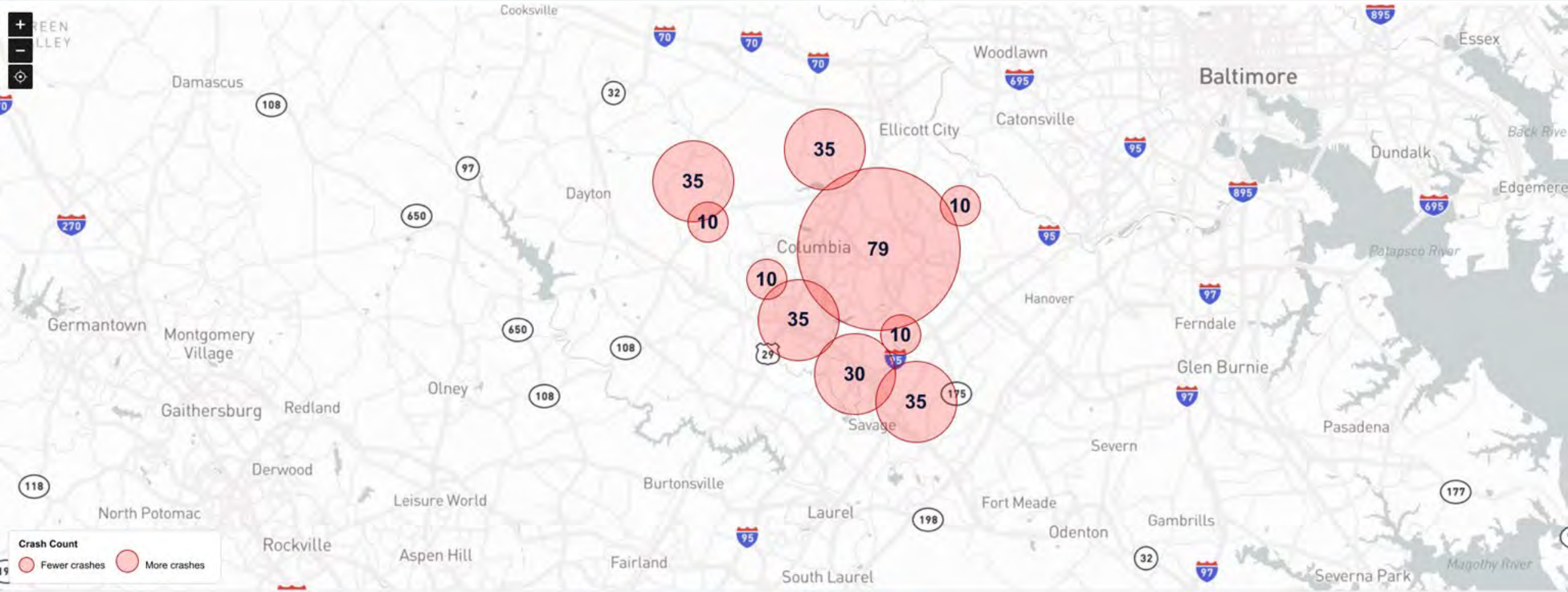
Event Query Tool | Detector Tools | Data Archive Portal | Congestion Causes | Probe Data Analytics | INRIX Insights | Missouri Analytics | NPMRDS Analytics | Signals Analytics | Trip Analytics

NEW SEARCH

Events from US 29 Columbia Pike Howard and Montgomery County (31 Intersections covering 51 Miles) that started between January 1, 2022 and March 3, 2022

Crashes: 321, People: 623, Vehicles: 473

Graduated Circles | Transparency 0% 100% | Radius of influence More



RITIS | Transportation System Status | Data Archive | Personal Traffic Alerts

Welcome!

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NEW SEARCH

Events from US 29 Columbia Pike Howard and Montgomery County (31 Intersections covering 51 Miles) that started between January 1, 2022 and March 3, 2022

Crash counts per mile (displayed at increments of 0.1 mile)

Increment: 0.1 mile

CRASH COUNT	START AT MILE MARKER	END AT MILE MARKER
Type to filter	Type to filter	Type to filter

Hot intersections (includes crashes within an 0.01 mile radius)

Radius: 0.01 mile

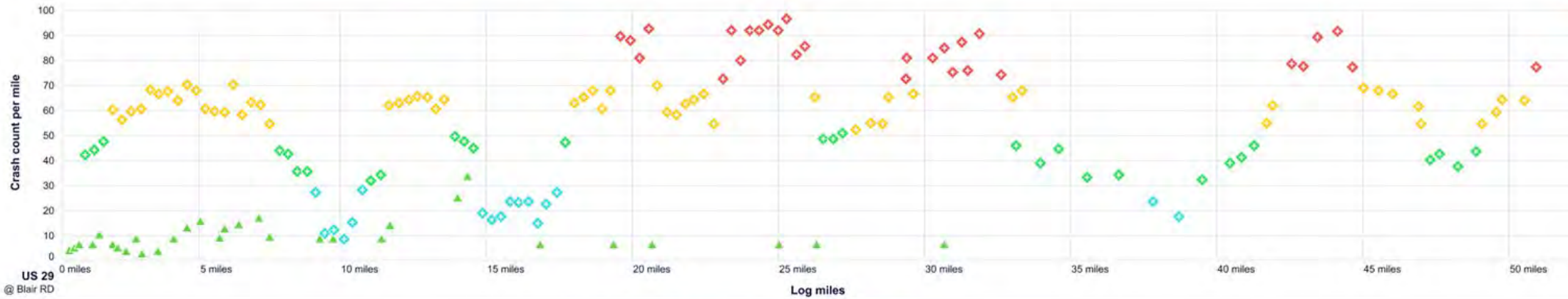
CRASH COUNT	INTERSECTION	ROUTE NAME
Type to filter	Type to filter	Type to filter

Plot Chart

Crash count per mile: 1% - 25% | 26% - 50% | 51% - 75% | 76% - 100%

Crash count per intersection:

Directions: All | Northbound | Southbound



RITIS | Transportation System Status | Data Archive | Personal Traffic Alerts | Welcome!

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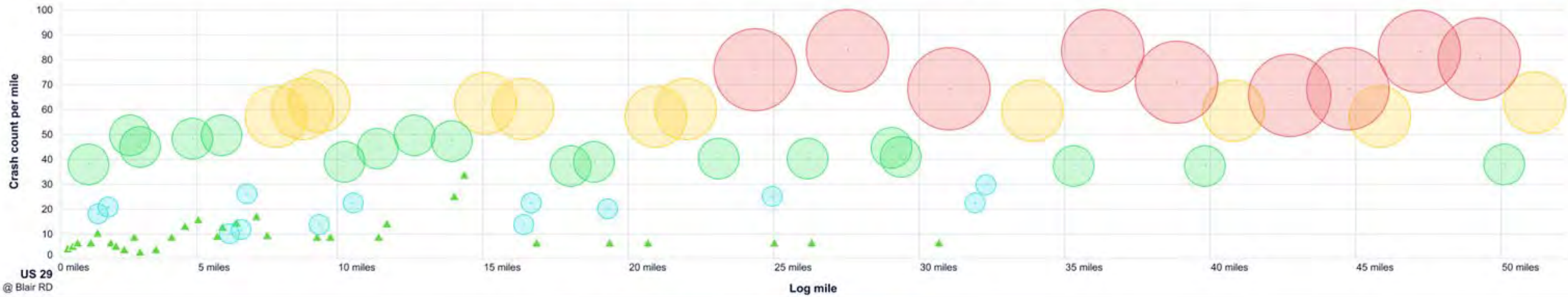
Crash counts per mile (displayed at increments of 0.1 mile) — Increment: 0.1 mile

CRASH COUNT	START AT MILE MARKER	END AT MILE MARKER
Type to filter	Type to filter	Type to filter

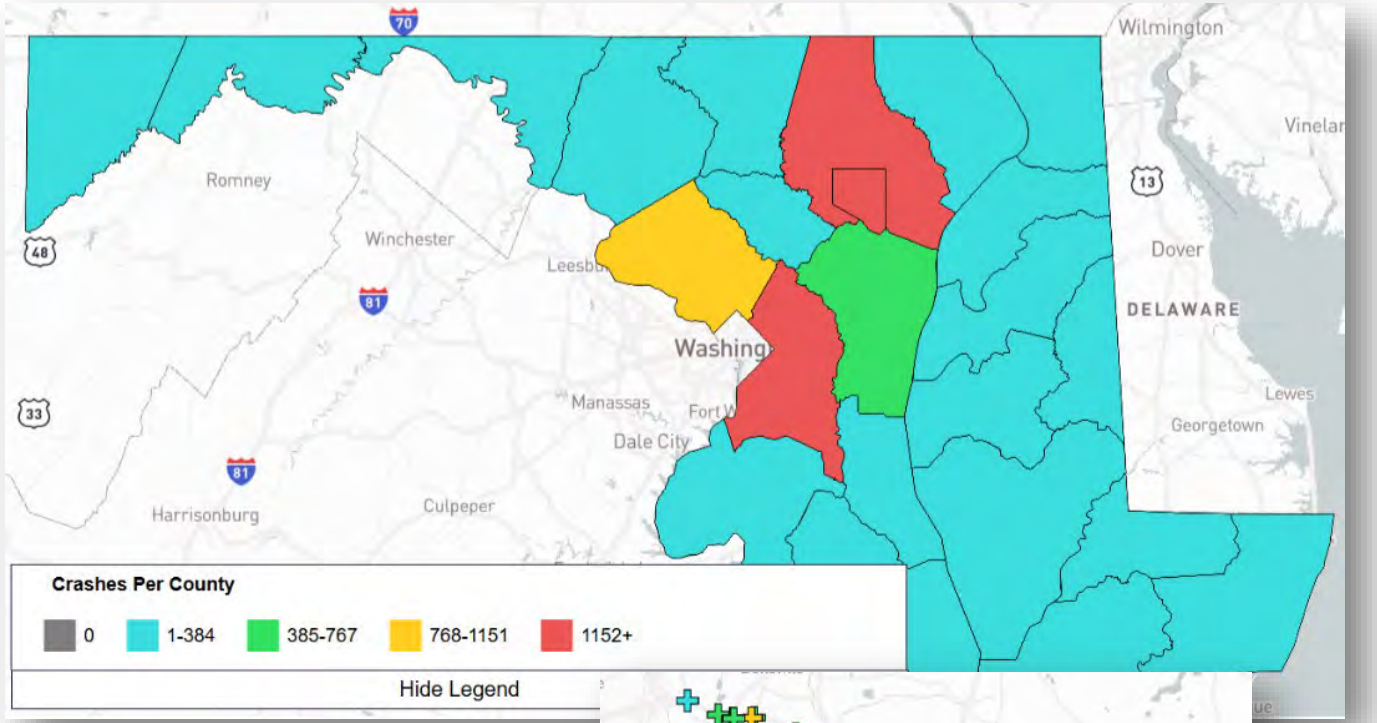
Hot intersections (includes crashes within an 0.01 mile radius) — Radius: 0.01 mile

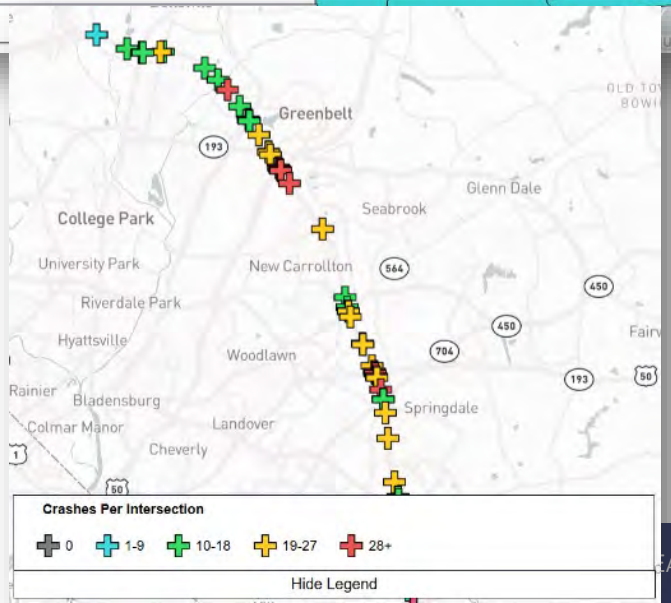
CRASH COUNT	INTERSECTION	ROUTE NAME
Type to filter	Type to filter	Type to filter

Bubble Chart | Crash count per mile percentiles : 1% - 25% | 26% - 50% | 51% - 75% | 76% - 100% | Crash count per intersection: | Directions: All | Northbound | Southbound



Safety Data Analytics Updates





Crash Summary

Made by:

Location: CAPITAL BELTWAY in Prince George's County (87 intersections covering 24.65 miles)
Date: January 1, 2023 through December 31, 2023

Report made: April 4, 2025

Total Crashes
1,573
Vehicle Count 3,148 Bicycle Count 0

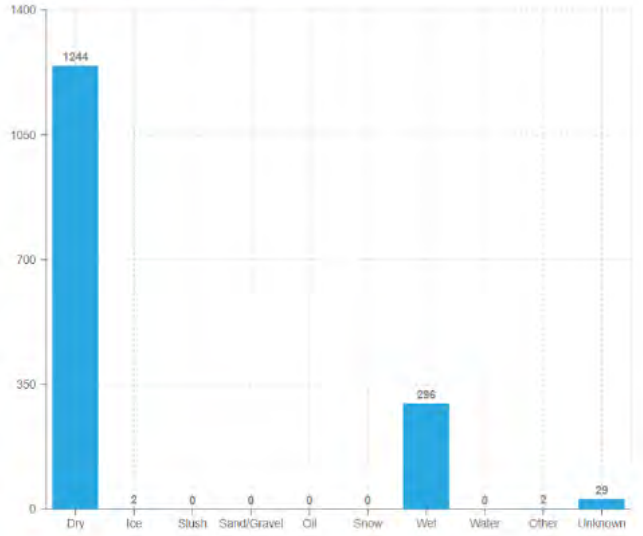
Total People Involved
3,931
Fatal Injury 0 Injury 0

Total Pedestrians Involved
0
Fatal Injury 0 Injury 0

Crashes by collision type

Head-on	5
Rear-end	776
Single vehicle	322
Sideswipe - same direction	299
Sideswipe - opposite direction	1
Angle	3
No collision	0
Unreported	6
Other	71
Pedestrian	0
Same Direction Other	89
Opposite Direction Turn	1

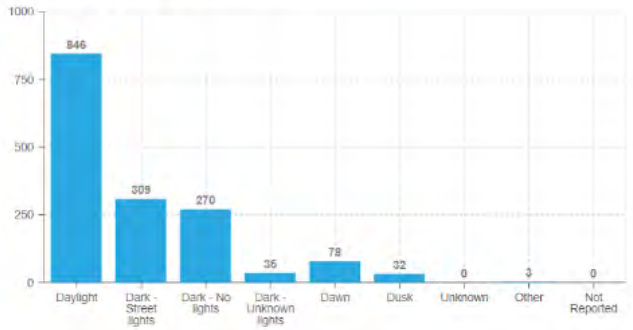
Crashes by surface conditions



Crashes by hour of the day

6:00 AM - 9:59 AM	276
10:00 AM - 3:59 PM	425
4:00 PM - 7:59 PM	396
8:00 PM - 5:59 AM	476

Crashes by lighting conditions



Crashes by weather conditions

Clear	1141
Cloudy	119
Sunny	0
Snow	1
Rain	241
Icy	0
Fog	2
Sleet	0
Hail	0
Other	69
Heat Wave	0

Enable custom naming of corridors in travel time dashboards

Make this text be whatever the user wants instead of the automatically generated corridor names.

PA Turnpike Closure (includes NJ)

+ Add widget | Select a dashboard...

PA Turnpike Closure Travel Times into NJ (includes NJ)

Corridor	Differential	Current	Historic	Differential	Current	Historic
US-1 Northbound between I-276/Pennsylvania Tpke and I-95	↓ 8	50 mph	58 mph	↑ 1	07 min	06 min
I-95 Northbound between US-1/Exit 46 and PA--NJ State Border	↓ 1	63 mph	64 mph	0	05 min	05 min
I-95 between PA--NJ State Border and US-1/Exit 67 Northbound	0	63 mph	63 mph	↑ 1	10 min	09 min
I-295 between US-1/Exit 67 and Exit 60 Southbound	↑ 1	66 mph	65 mph	0	07 min	07 min
I-195 between I-295/Exit 60 and Exit 7 Eastbound	↓ 18	39 mph	57 mph	↑ 3	09 min	06 min
NJ-29 between I-95 and US-1 (TRENTON) (SOUTH) Southbound	↓ 6	39 mph	45 mph	↑ 1	08 min	07 min
NJ-29 between US-1 (TRENTON) (SOUTH) and I-195/I-295/Exit 60 Southbound	↓ 13	30 mph	43 mph	↑ 3	09 min	06 min
US-1 Northbound between I-95 and PA--NJ State Border	↑ 5	65 mph	60 mph	0	06 min	06 min
US-1 between PA--NJ State Border and I-295/I-95 Northbound	↓ 3	46 mph	49 mph	0	08 min	08 min
10S - 413 (PA/NJ) - I-95 to US 130	↓ 1	23 mph	24 mph	↑ 1	09 min	08 min
I-295 between Exit 60 and US-130/Exit 57 Southbound	↑ 2	67 mph	65 mph	0	02 min	02 min

Using INRIX data — Updated Feb 2, 2017 4:33 PM (21s ago)

PA Turnpike Closure Travel Times into PA (includes NJ)

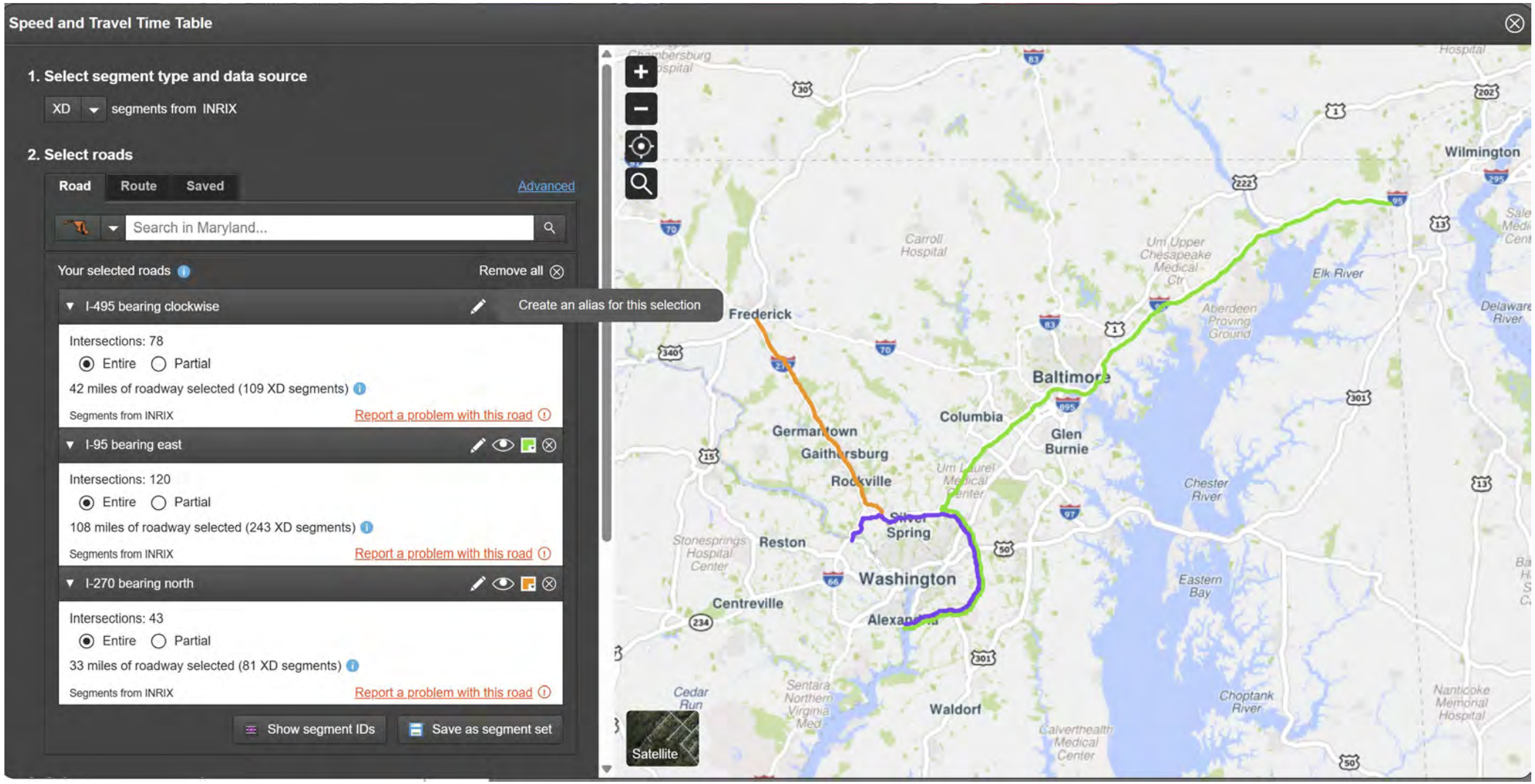
Corridor	Differential	Current	Historic	Differential	Current	Historic
US-1 Southbound between I-95 and I-276/Pennsylvania Tpke	↓ 43	13 mph	56 mph	↑ 23	29 min	06 min
I-95 Southbound between PA--NJ State Border and US-1/Exit 46	0	60 mph	60 mph	0	05 min	05 min
I-95 between PA--NJ State Border and US-1/Exit 67 Southbound	↑ 2	59 mph	57 mph	↓ 1	10 min	11 min
I-295 between US-1/Exit 67 and Exit 60 Northbound	0	66 mph	66 mph	0	07 min	07 min
I-195 between I-295/Exit 60 and Exit 7 Westbound	↓ 18	44 mph	62 mph	↑ 3	10 min	07 min
NJ-29 between US-1 (TRENTON) (SOUTH) and I-95 Northbound	↓ 2	42 mph	44 mph	↑ 1	08 min	07 min
NJ-29 between US-1 (TRENTON) (SOUTH) and I-195/I-295/Exit 60 Northbound	↓ 3	52 mph	55 mph	0	04 min	04 min
US-1 Southbound between PA--NJ State Border and I-95	↓ 3	51 mph	54 mph	0	07 min	07 min
US-1 between PA--NJ State Border and I-295/I-95 Southbound	↑ 4	52 mph	48 mph	↓ 1	07 min	08 min
10N - 413 (PA/NJ) - US 130 to I-95 (PA)	↓ 5	18 mph	23 mph	↑ 2	10 min	08 min
I-295 between US-130/Exit 57 and Exit 60 Northbound	↓ 1	65 mph	66 mph	0	02 min	02 min

Using INRIX data — Updated Feb 2, 2017 4:33 PM (22s ago)

Travel Time US 1/I-95 (PA) to Tpk Exit 7 (NJ)

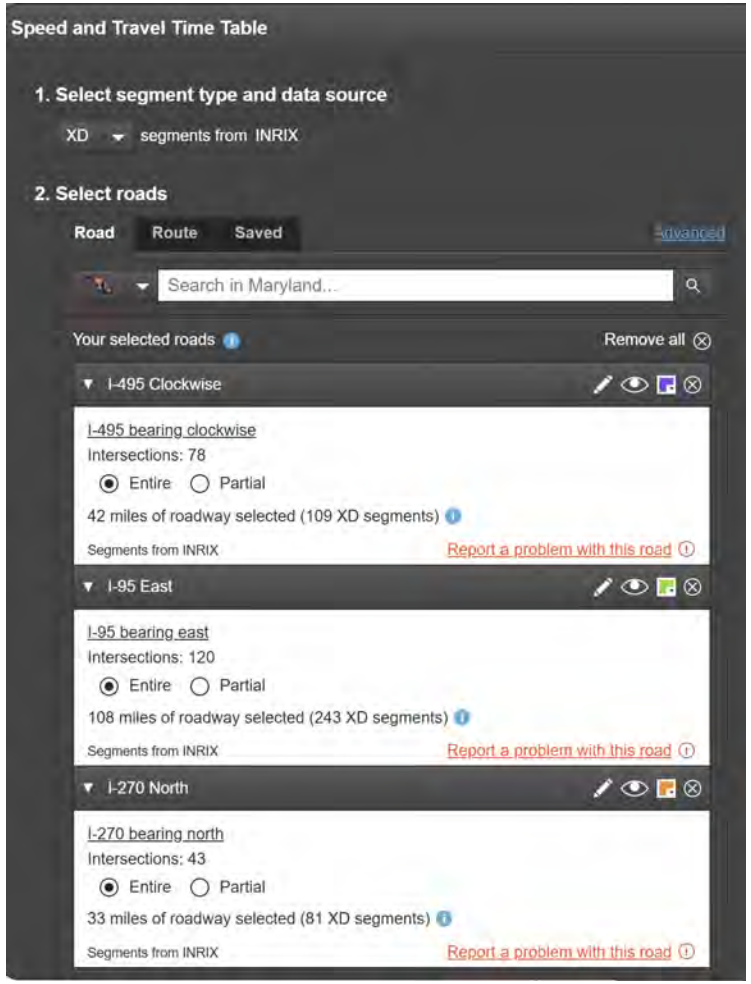
Corridor	Differential	Current	Historic	Differential	Current	Historic
US 1 (PA) to Exit 7 (NJ) via 95	↓ 9	53 mph	62 mph	↑ 5	35 min	30 min
US 1 (PA) to Exit 7 (NJ) via US 1/NJ 29	↓ 17	37 mph	54 mph	↑ 11	32 min	21 min

Renaming of Roads in Speed and Travel Time Widget



Renaming of Roads in Speed and Travel Time Widget

Create Alias for Road Names



Original Road Names

MD Interstate Dashboard

Corridor	Average Speed Differential	Average Speed Current	Average Speed Historical	Travel Time Differential	Travel Time Current	Travel Time Historical
I-495 bearing clockwise	↓ 4	35 mph	39 mph	↑ 7	1 h 11 m	1 h 4 m
I-95 bearing east	↓ 9	45 mph	54 mph	↑ 22	2 h 24 m	2 h 2 m
I-270 bearing north	↓ 2	48 mph	50 mph	↑ 1	41 m	40 m

ata source: INRIX XD — Updated Jun 9, 2025 3:24 PM (4s ag

New Road Names

MD Interstate Dashboard

Corridor	Average Speed Differential	Average Speed Current	Average Speed Historical	Travel Time Differential	Travel Time Current	Travel Time Historical
I-495 Clockwise	↓ 4	35 mph	39 mph	↑ 7	1 h 11 m	1 h 4 m
I-95 East	↓ 9	45 mph	54 mph	↑ 22	2 h 24 m	2 h 2 m
I-270 North	↓ 2	48 mph	50 mph	↑ 1	41 m	40 m

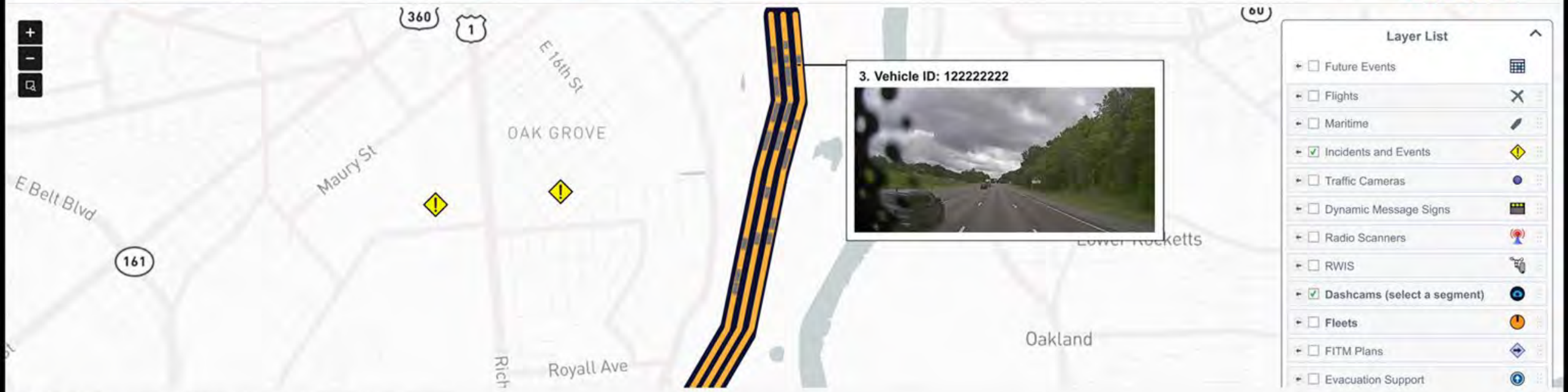
Data source: INRIX XD — Updated Jun 9, 2025 3:23 PM (4s ago)

Commercial Vehicle Dashcam Integration

- Query 1
- Query 2
- Query 3

RITIS | Transportation System Status | Data Archive | Personal Traffic Alerts | Welcome!

Incident List | Traffic Map | Incident Overview | Traffic Cameras | RSS Feed | VWS | WZPMA | RITIS Meeting | 3802 incidents



Dashcams

TMC: 42004352 | 3 miles | 3 dashcam | 2400 snapshots

1. Vehicle ID: 122222222
6:27:00 PM 1 of 600 Snapshots

Play

2. Vehicle ID: 122222222
6:27:00 PM 1 of 600 Snapshots

Play

3. Vehicle ID: 122222222
6:27:10 PM 1 of 600 Snapshots

Play

Show data for: Last 10 mins

Today 10:30 AM

11:30 PM | 12:30 PM | 1:30 PM | 2:30 PM | 3:30 PM | 4:30 PM | 5:30 PM

Now 6:30 PM

Enhancement Working Group Voting Results

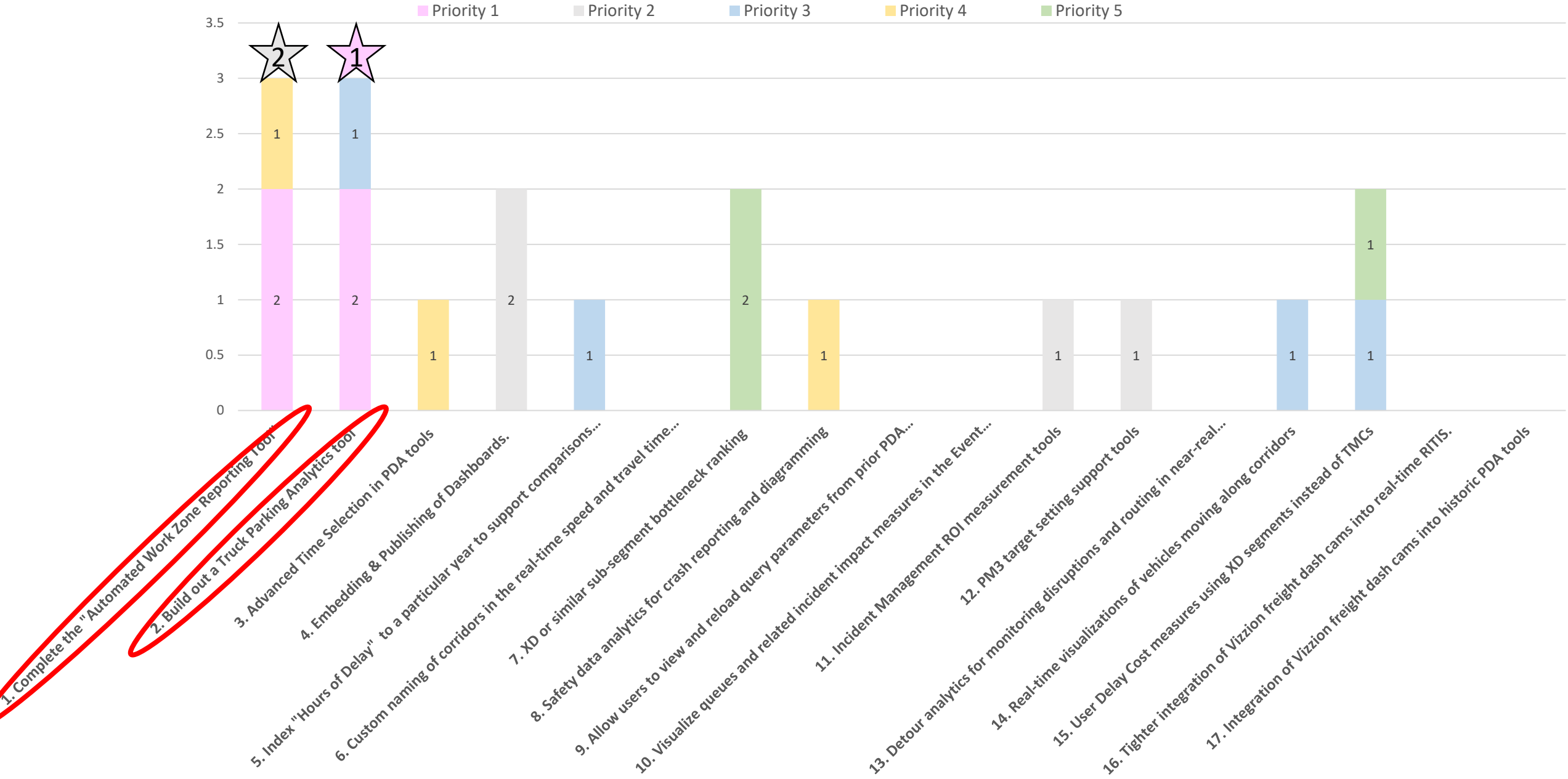
Bob Frey
Massachusetts DOT
Director of Project-Oriented Planning

These are the options we voted on.

1. Complete the "Automated Work Zone Reporting Tool" that was partially funded last year.
2. Build out a Truck Parking Analytics tool that identifies where trucks are parking by time of day and day of week--including on ramps and the side of roads in potentially unsafe locations.
3. Advanced Time Selection in PDA tools. This would allow users to select date ranges, but exclude specific dates (like holidays, sporting events, etc.)
4. Embedding & Publishing of Dashboards. This would give users the ability to publicly share (or embed into agency websites) any dashboard created in RITIS/PDA Suite.
5. Index "Hours of Delay" and other similar measures to a particular year to support comparisons against prior years (Submitted by Oregon DOT)
6. Enable custom naming of corridors in the real-time speed and travel time dashboard widgets in the PDA Suite.
7. XD or similar sub-segment bottleneck ranking (instead of just TMCs)
8. Safety data analytics for crash reporting and diagramming
9. Allow users to view and reload query parameter from prior PDA Queries
10. Visualize queues and related incident impact measures in the Event Query Tool
11. Incident Management ROI measurement tools in RITIS.
12. PM3 target setting support tools
13. Detour analytics for monitoring disruptions and routing in near-real time.
14. Real-time wejo-like visualizations of vehicles moving along corridors
15. User Delay Cost measures using XD segments instead of TMCs
16. Tighter integration of vizzion freight dash cams into real-time RITIS.
17. Integration of vizzion freight dash cams into historic PDA tools like Congestion Scan

Top RITIS Product Enhancements - All Responses

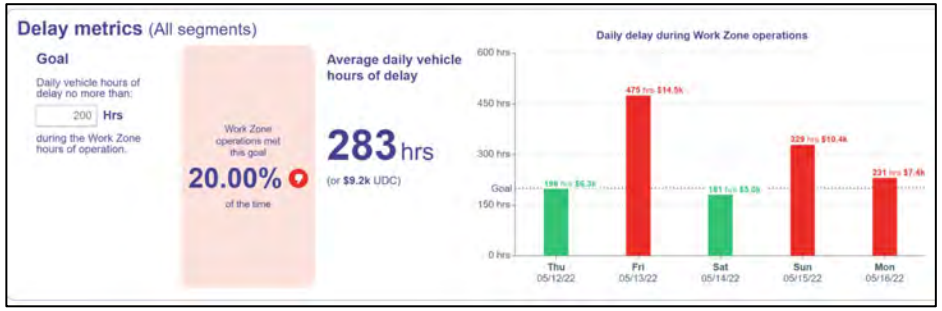
Top RITIS Product Enhancements - Contributors Only



Update on RITIS tools funded through the Working Group

Enhancement Group Funded Work

- **Automated Work Zone Reporting Tool (Phase I)**
  - Should complete with the new funding this cycle
  - Development well underway
- Speed and delay metrics summary panels developed
- Pipeline to support and merge multiple Hadoop jobs completed
  - Requests, polling status and formatting of results completed for congestion and speed metrics (delay metrics in progress)



Probe Data Analytics Suite

Welcome, User | My History | Help | Tutorials | Templates | Logout

+ Add segment(s)

Your selected roads — × Clear all

US-40 Eastbound at MD-213

3. Select date range (select up to 7 days)

08/25/2024 - through - 08/31/2024

4. Select days of week

Sun | ✓ Mon | ✓ Tue | Wed | ✓ Thu | ✓ Fri | Sat

5. Select hours of operation

12:00 AM — 12:00 PM — 12:00 AM

12:00 AM — 12:00 AM

+ Add more hours of operation

6. Compare against another time period (optional)

☑ Include a comparison time period

An additional time period will be added to the multi line chart analysis page. You can use this to compare performances from week to week.

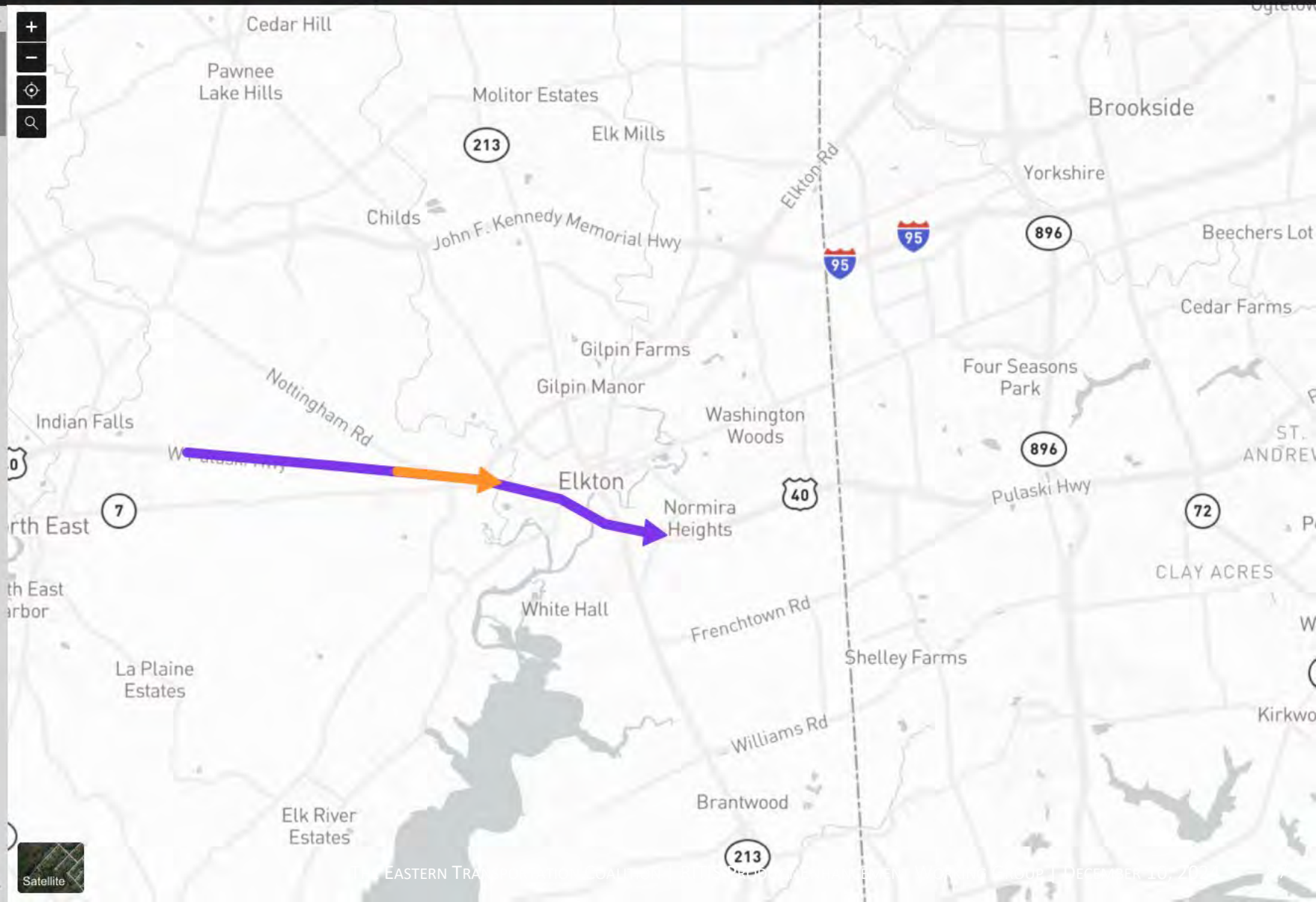
Select date range (select up to 7 days)

09/01/2024 - through - 09/07/2024

Select days of week

Sun | ✓ Mon | ✓ Tue | Wed | ✓ Thu | ✓ Fri | Sat

Generate Report



Work Zone Performance Report

Name Report: US-40 Eastound at MD-213 | Export Report | Welcome Jenny | My History | Help

US-40 Eastbound at MD-213

US-40 Eastbound

Additional Segments → Work Zone

Date Range: May 12-16, 2022

Time Range: 9:00am - 3:00pm

Days of Week: MTWTF

Lanes that may be closed during this time period

☑ Only display during work zone opperations

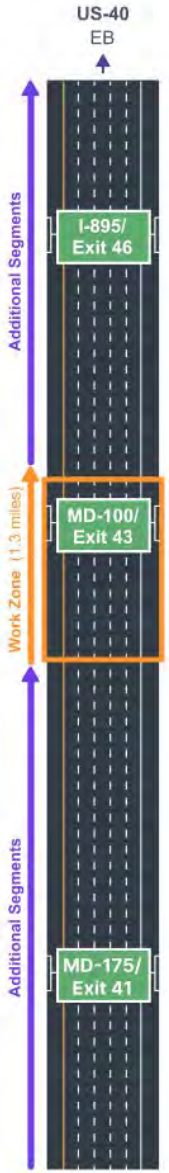
☑ ☑ ☐ ☐ ☐ ☐ ☐

Possible Impacts

1 Event
Mon

5 Weather Events
Mon, Tue, and Wed

1 Holiday
Mon



Congestion metrics (All segments)

Goal

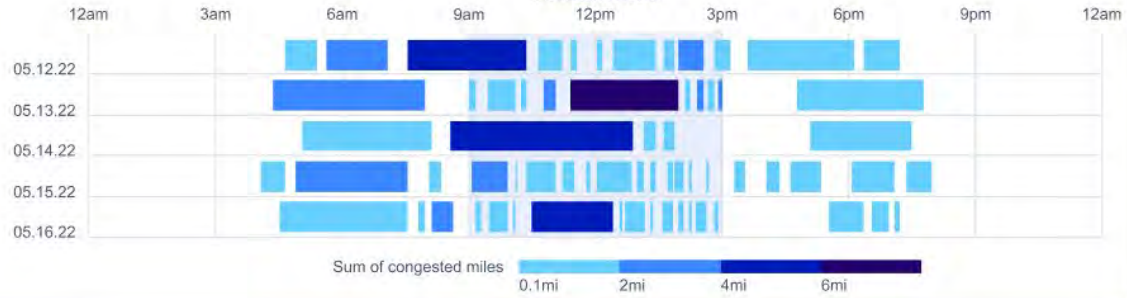
No congestion reaching more than: 5 **Miles**

Lasting more than: 20 **Mins**

during the Work Zone hours of operation.

Work Zone operations met this goal **95%** of the time

Congestion during selected date range



Speed metrics

Goal

Don't let speeds drop below: 30 **MPH**

during the Work Zone hours of operation.

Work Zone operations met this goal **52%** of the time

Average speed approaching Work Zone
50 mph

Average speed through Work Zone
37 mph

Max speed through Work Zone
71 mph

Min speed through Work Zone
15 mph

Average travel time through Work Zone
2 mins

Delay metrics (All segments)

Goal

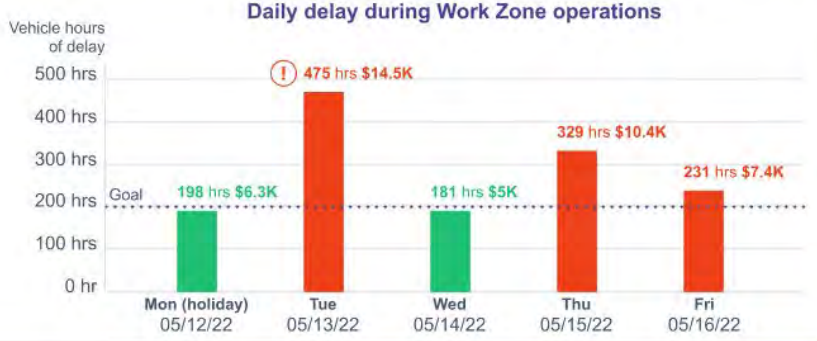
Daily vehicle hours of delay no more than: 200 **Hrs**

during the Work Zone hours of operation.

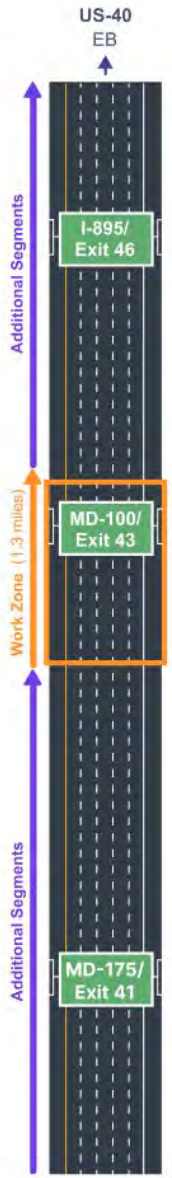
Work Zone operations met this goal **38%** of the time

Average daily vehicle hours of delay
283 hrs
(or **$7.5K** UDC)

Daily delay during Work Zone operations



Congestion metrics (All segments)



Goal

No more than a collective

5.0 miles

of congestion

Lasting: **> 20 mins**

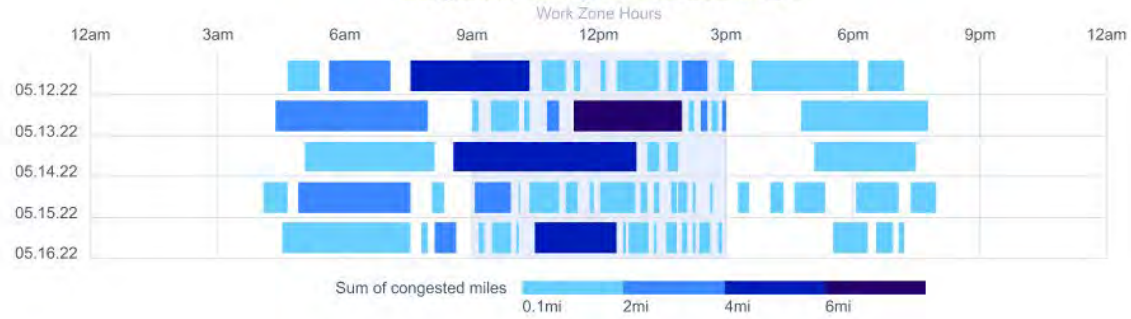
during the Work Zone hours of operation.

Work Zone operations met this goal

95%

of the time

Congestion during selected date range

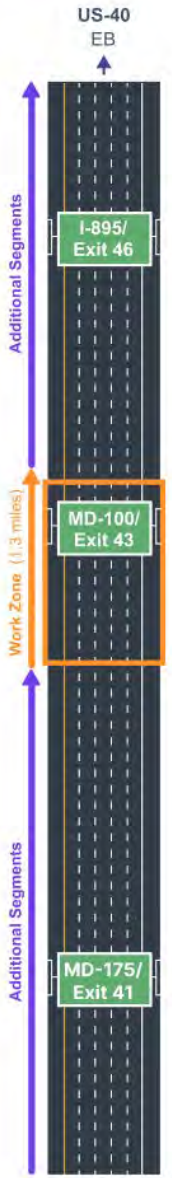


Collective length & duration of congestion

May 12-16, 2022

Congestion outside hours of operation | Congestion during hours of operation | Duration | Precipitation | Event

Delay metrics (All segments)



Goal

Daily vehicle hours of delay less than

200 hrs

(or **$6.5K** UDC)

during the Work Zone hours of operation.

Work Zone operations met this goal

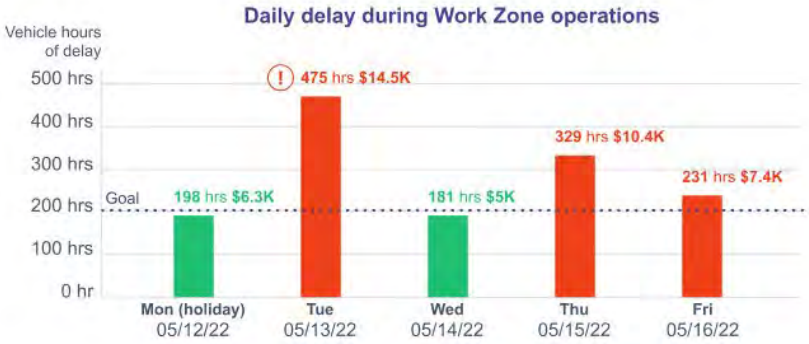
30%

of the time

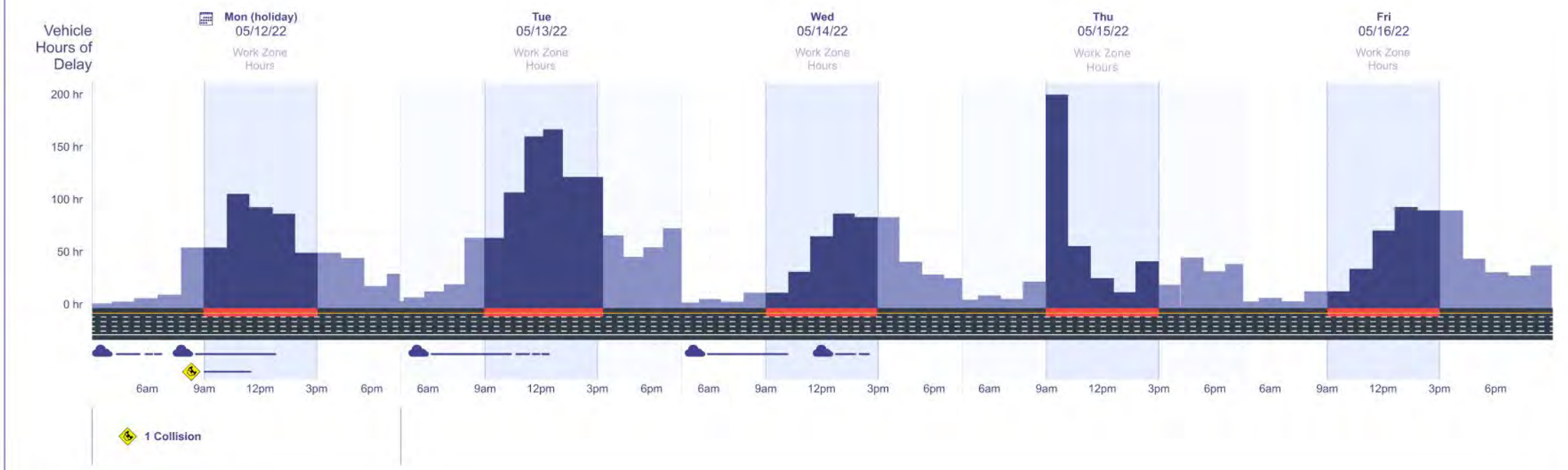
Average daily vehicle hours of delay

283 hrs

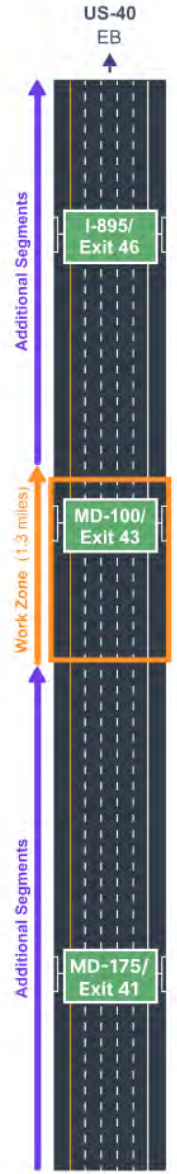
(or **$7.5K** UDC)



Vehicle hours of delay totals by hour | May 12-16, 2022



Delay metrics (All segments)



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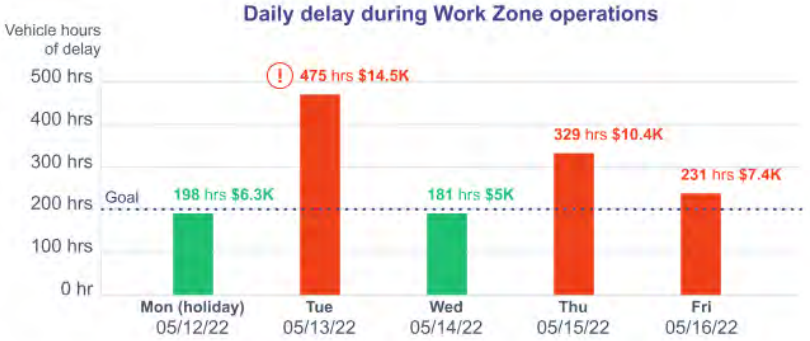


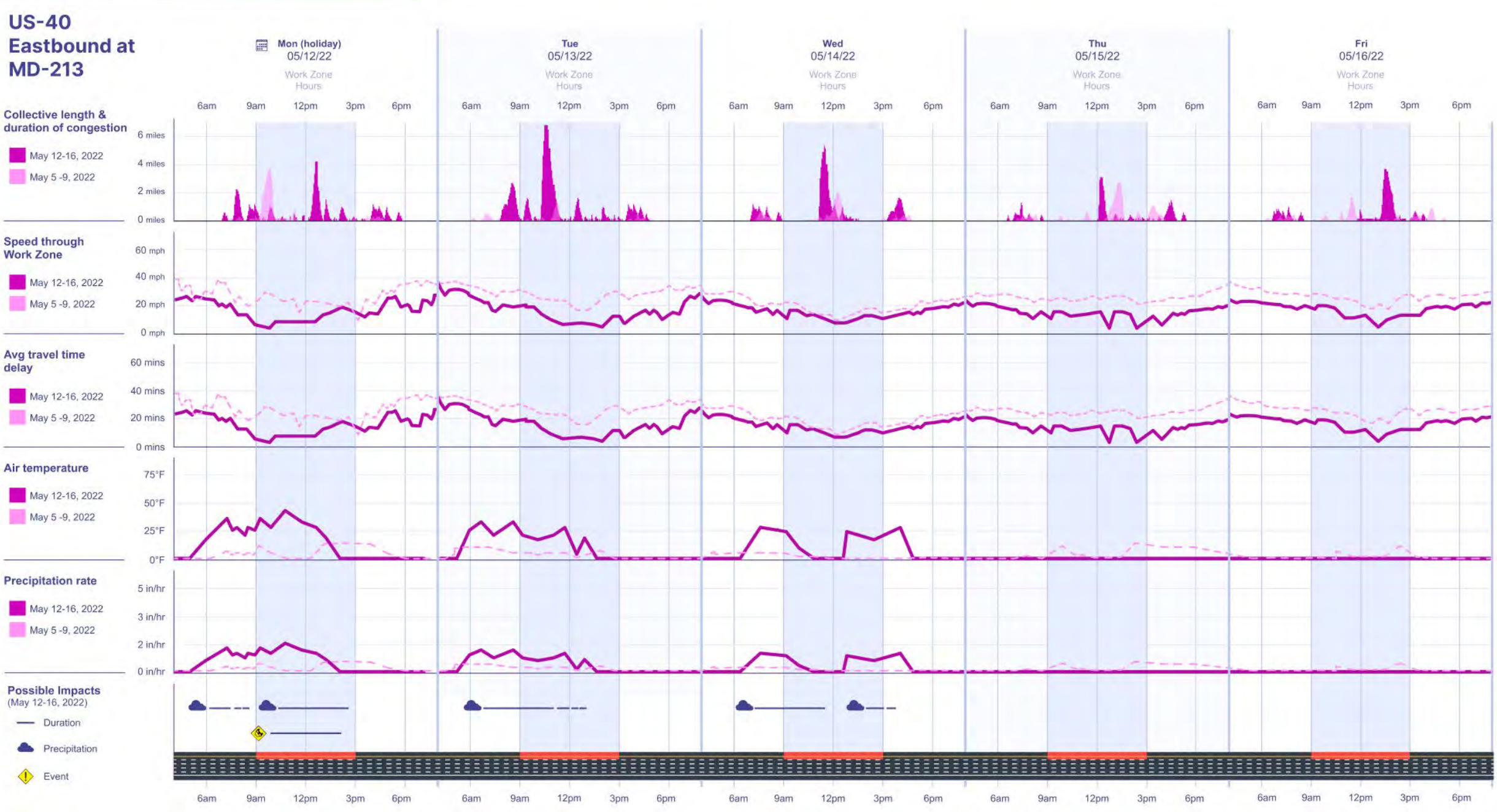
Vehicle hours of delay & User Delay Cost

Lowest Hours/Cost — Highest Hours/Cost

Work Zone Hours

	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	
05/12/22 Mon (holiday)	0h	0h	0h	0h	0h	10h	35h	9h	15h	58h	42h	0h	0h	2h	0h	0h	0h	10h	9h	0h	8h	0h	0h	0h	198h
05/13/22 Tue	0h	0h	0h	0h	0h	23h	33h	12h	0h	14h	88h	16h	131h	108h	0h	0h	0h	15h	16h	12h	7h	0h	0h	0h	475h
05/14/22 Wed	0h	0h	0h	0h	0h	12h	13h	10h	8h	83h	20h	6h	1h	0h	0h	0h	0h	10h	23h	15h	0h	0h	0h	0h	181h
05/15/22 Thu	0h	0h	0h	0h	0h	8h	11h	3h	6h	198h	65h	0h	0h	3h	0h	0h	2h	5h	18h	3h	7h	0h	0h	0h	329h
05/16/22 Fri	0h	0h	0h	0h	3h	9h	8h	6h	0h	17h	0h	45h	69h	45h	14h	0h	0h	4h	8h	3h	0h	0h	0h	0h	231h
VHD	0h	0h	0h	0h	3h	62h	100h	40h	29h	350h	215h	67h	201h	158h	14h	0h	2h	44h	74h	33h	22h	0h	0h	0h	**16,814h**
05/12/22 Mon (holiday)	$0	$0	$0	$0	$0	$0.4K	$1K	$0.3K	$0.4K	$1.8K	$1.3K	$0	$0	$0.1K	$0	$0	$0	$0.4K	$0.3K	$0	$0.3K	$0	$0	$0	$6.3K
05/13/22 Tue	$0	$0	$0	$0	$0	$0.7K	$0.9K	$0.4K	$0	$0.3K	$2.7K	$0.5K	$4K	$3.3K	$0	$0	$0	$0.5K	$0.5K	$0.4K	$0.3K	$0	$0	$0	$14.5K
05/14/22 Wed	$0	$0	$0	$0	$0	$0.4K	$0.4K	$0.4K	$0.3K	$1.9K	$0.6K	$0.2K	$0.1K	$0	$0	$0	$0	$0.4K	$0.7K	$0.5K	$0	$0	$0	$0	$5.9K
05/15/22 Thu	$0	$0	$0	$0	$0	$0.3K	$0.4K	$0.1K	$0.2K	$6K	$2K	$0	$0	$0.1K	$0	$0	$0.1K	$0.2K	$0.6K	$0.1K	$0.3K	$0	$0	$0	$10.4K
05/16/22 Fri	$0	$0	$0	$0	$0.1K	$0.3K	$0.3K	$0.2K	$0	$0.5K	$0	$1.4K	$2.1K	$1.4K	$0.5K	$0	$0	$0.2K	$0.3K	$0.1K	$0	$0	$0	$0	$7.4K
UDC	$0	$0	$0	$0	$0.1K	$2.1K	$3K	$1.4K	$0.9K	$10.5K	$6.6K	$2.1K	$6.2K	$4.9K	$0.5K	$0	$0.1K	$1.7K	$2.4K	$1.1K	$0.9K	$0	$0	$0	**$89K**

Line chart comparsion



Enhancement Group Funded Work

- **Truck Parking Tools**
  - Data evaluation complete:
    - INRIX + Geotab
      - Pros and Cons of each
      - Synergies from both
  - Initial capabilities being built-out
  - Dashboard concept proposed
- Key Questions:
  - To what degree are trucks parking in higher-risk locations?
  - When?
  - For how long?

Overview of Upcoming Truck Parking Analytics Capabilities

Greg Jordan,

University of Maryland CATT Lab

Testing with Geotab & INRIX data products:

- Databases with millions of actual, real-world vehicle trips

- Data sources are GPS pings snapped to roadway networks; sources include cell phones, connected vehicles and truck telematics (depending on the provider)

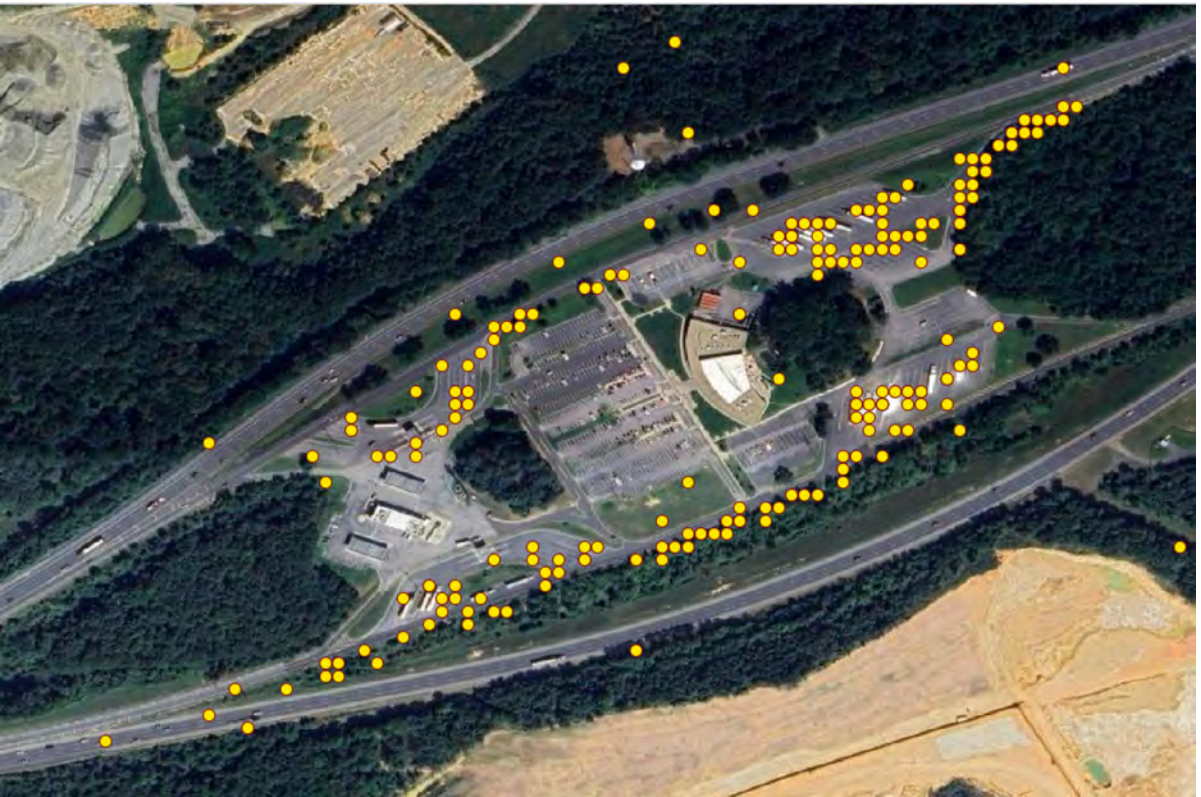
- Each trip has time & location stamps of where it started, where it ended, and the road segments along the way

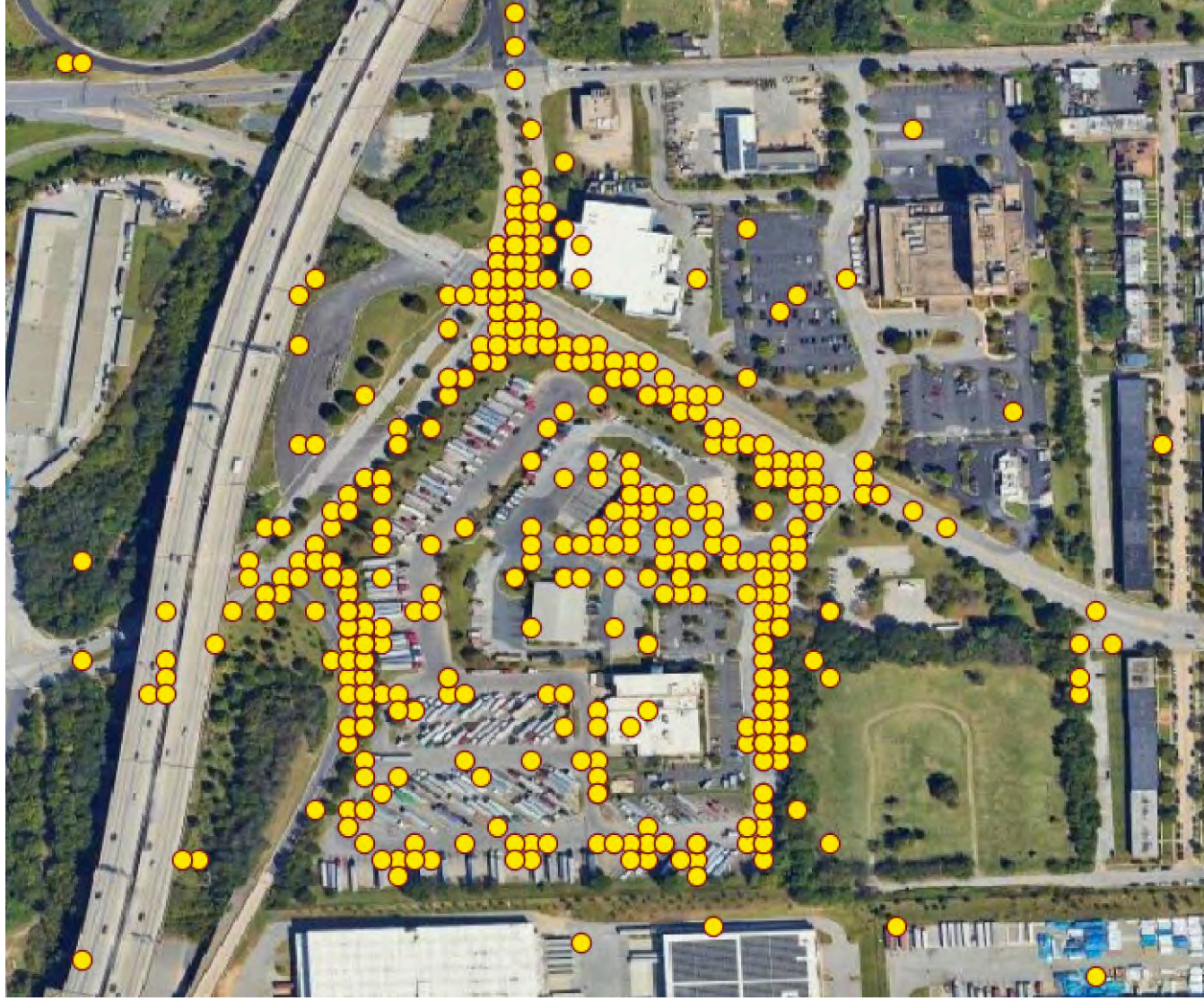
- A statewide dataset typically includes all sampled trips that touched that state (full extents are provided for all trips, incl. out-of-state legs)

Truck Parking Applications, Part 1:

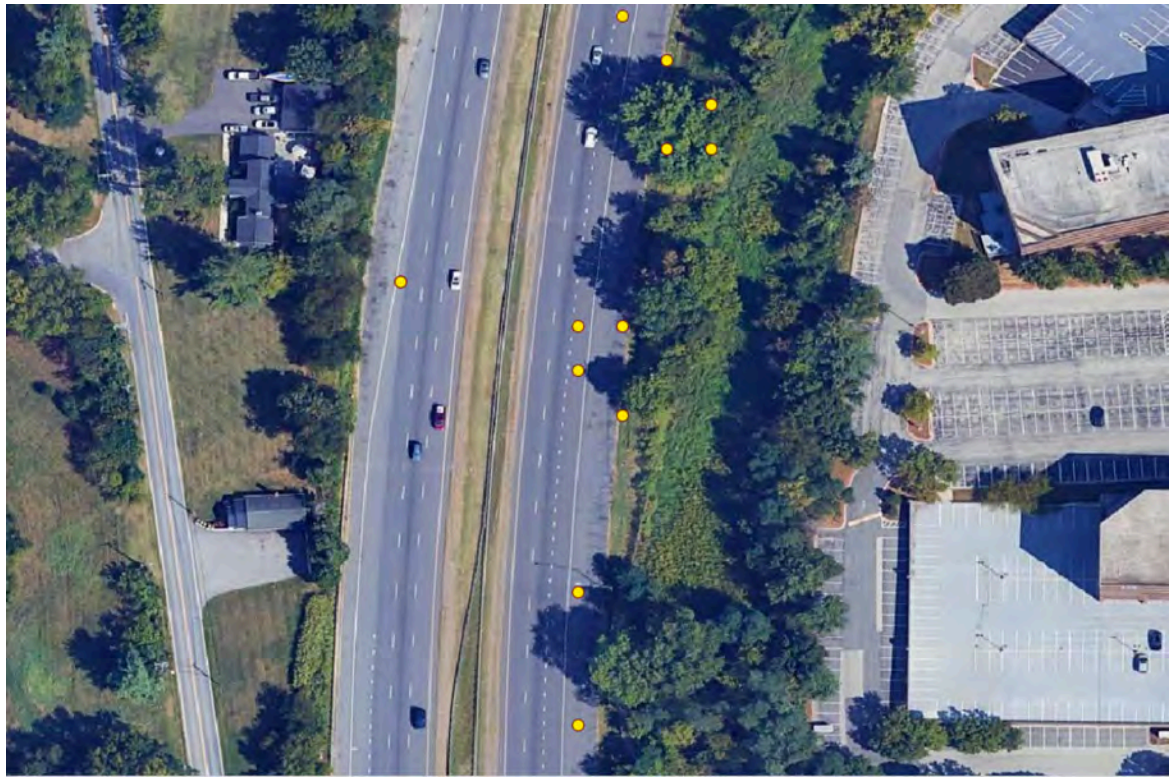
To what degree are trucks parking along ramp and mainline shoulders?

Special truck parking dataset product from INRIX with more precise endpoints at truck stops:

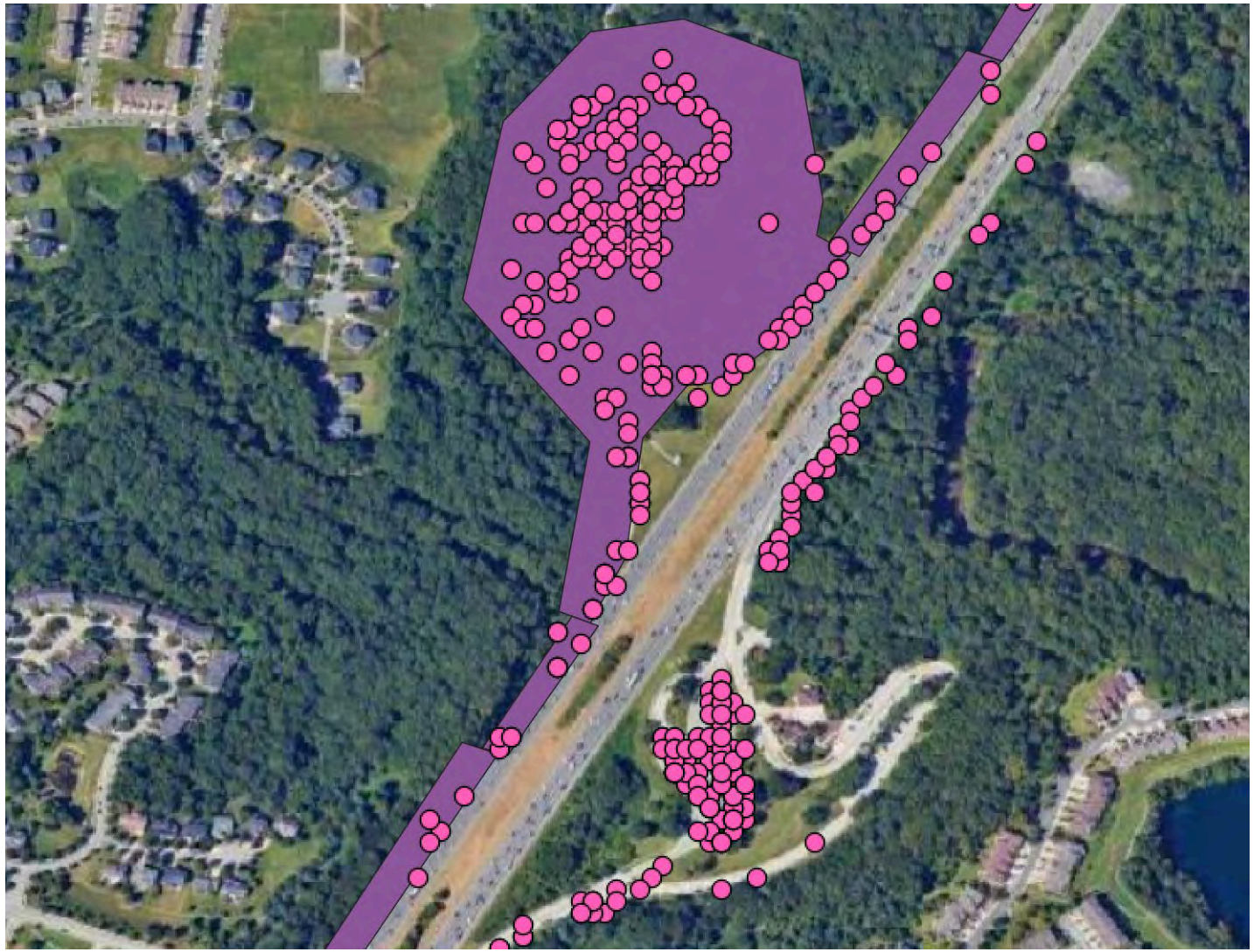




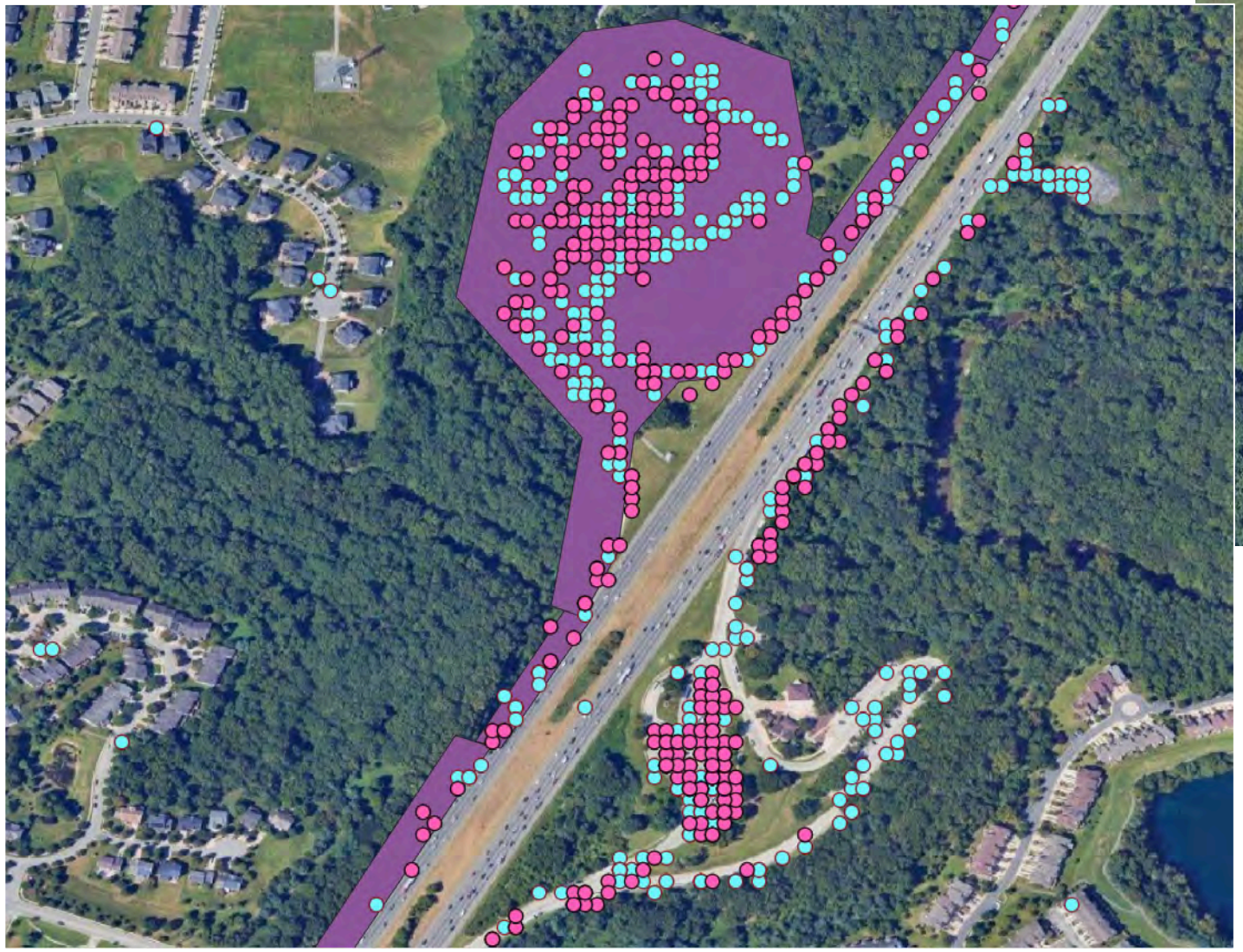
Recurring concentration of risky parking events along freeway:



Isolation of heavy truck parking locations:

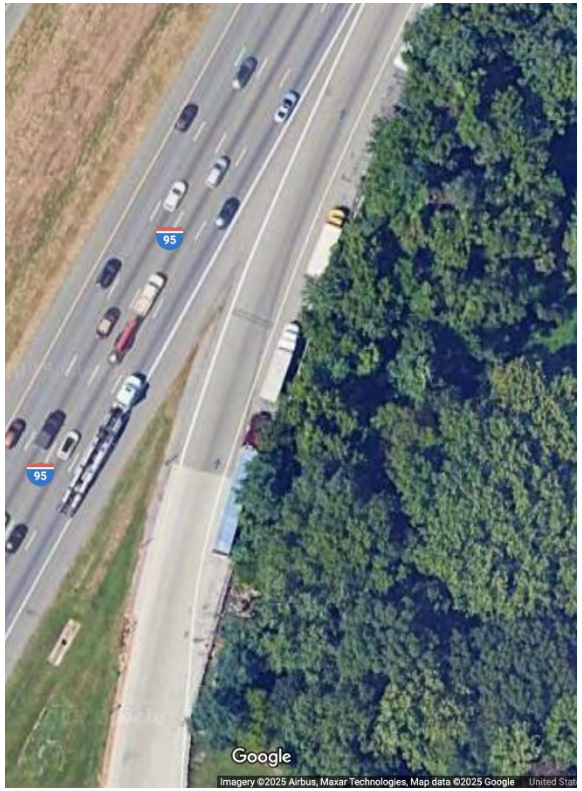


Medium trucks added (blue):



Documentation of risky parking practices

Low risk



Away from highway travel lanes

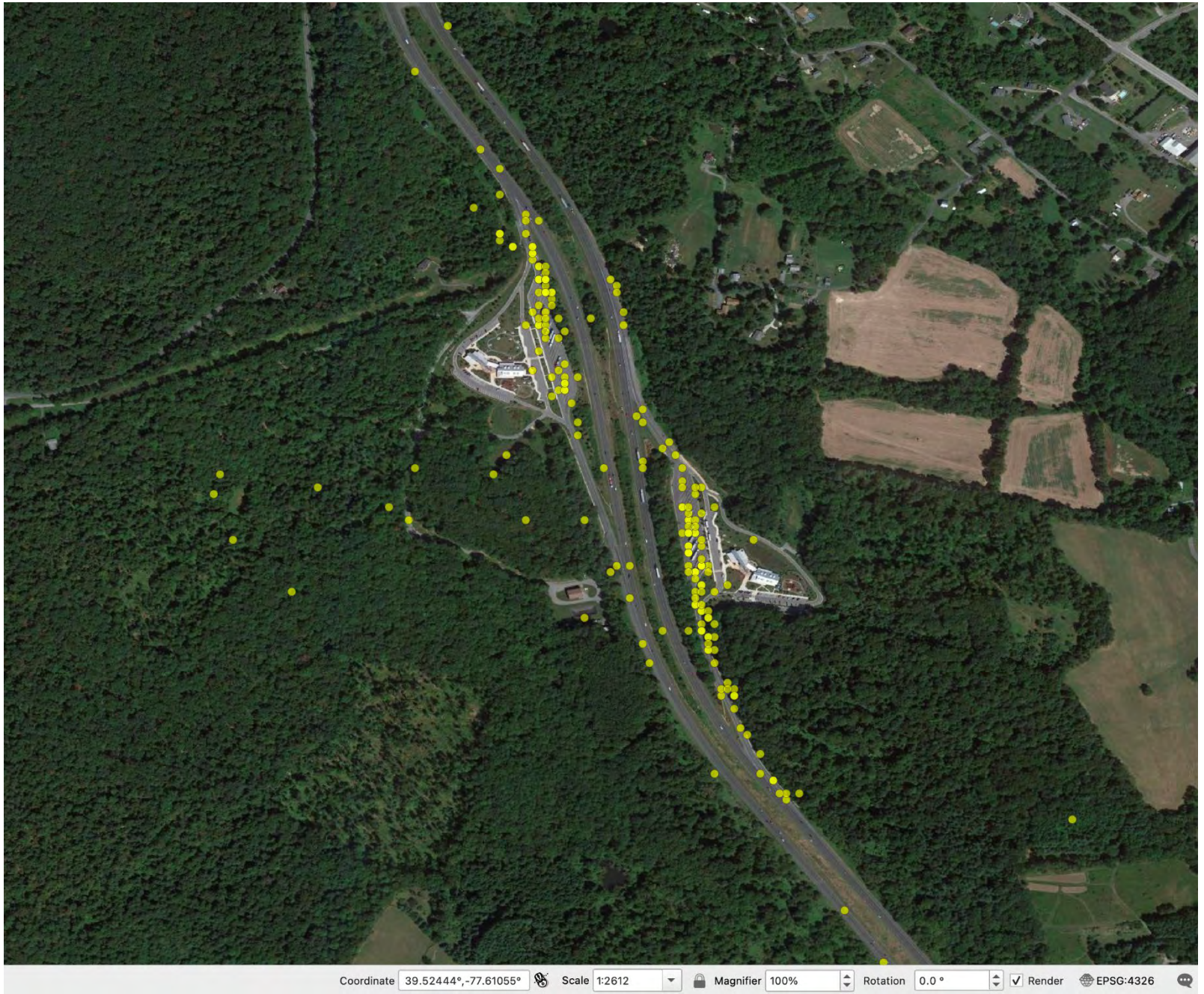
Risky

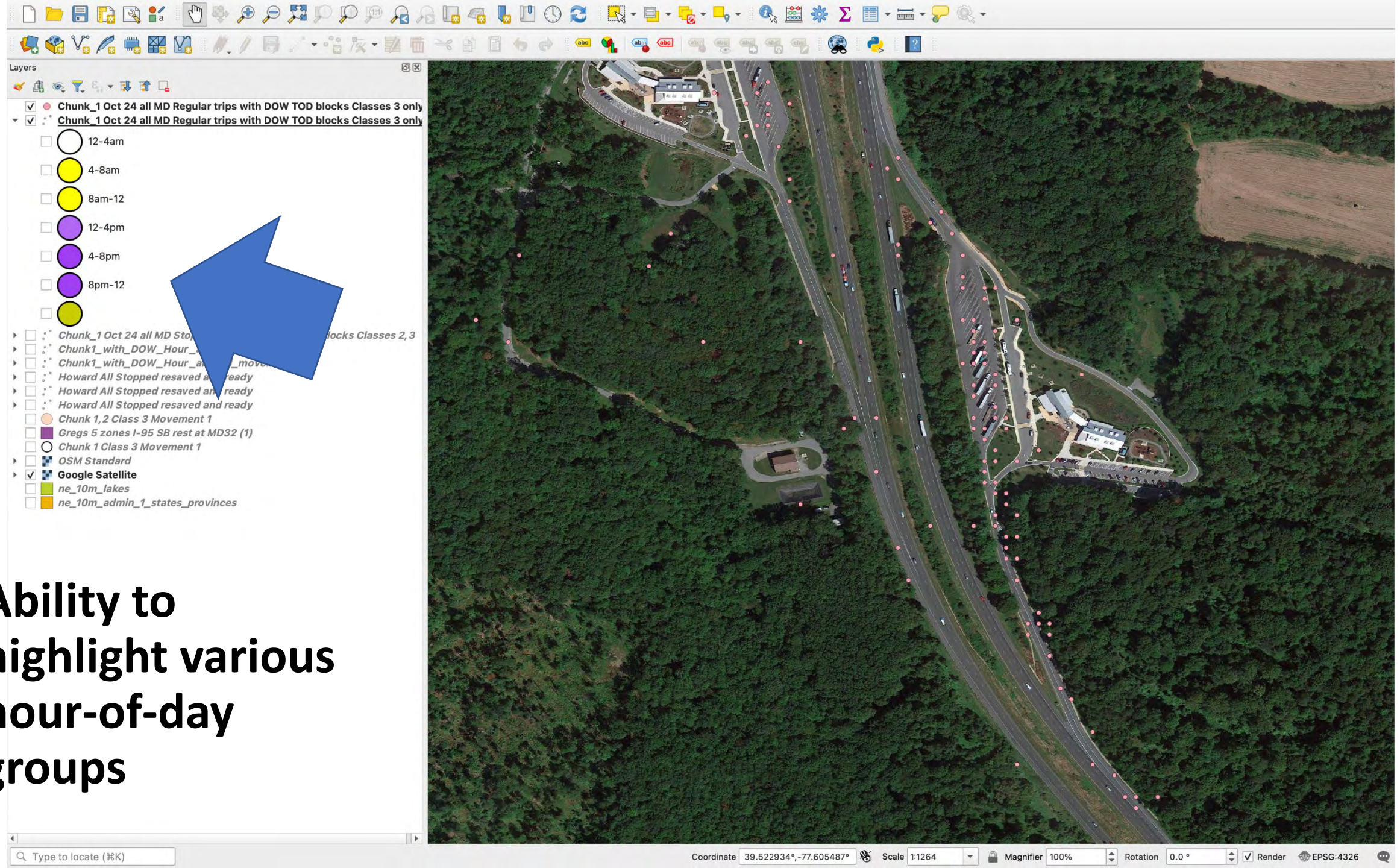
Along on/off ramps (only one-lane separation from travel lanes)

High risk

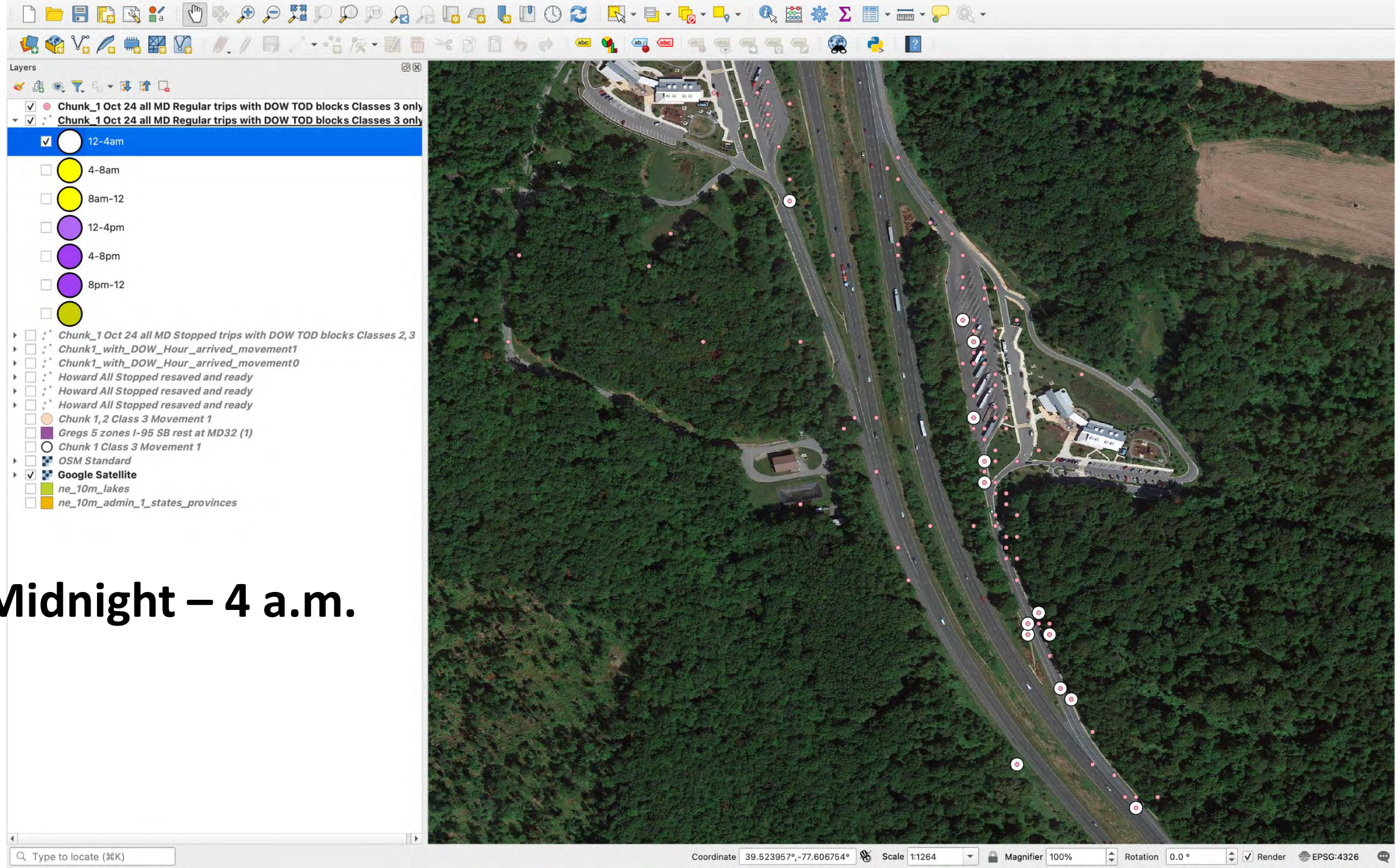
No separation from travel lanes:

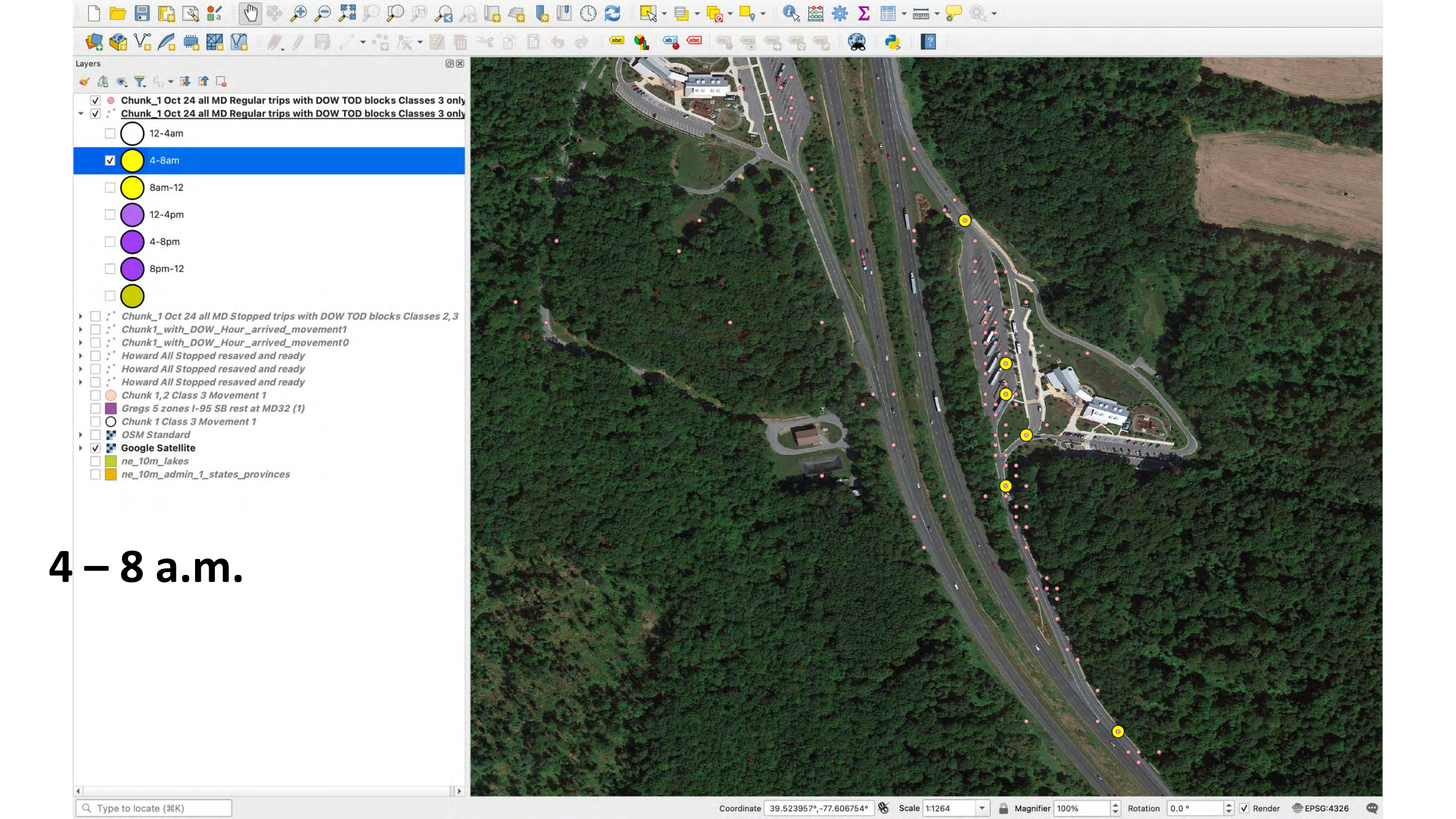
Parking locations, tractor-trailer data





Ability to highlight various hour-of-day groups


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 only
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 only
12-4am
4-8am
8am-12
12-4pm
4-8pm
8pm-12
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2, 3
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
ne_10m_lakes
ne_10m_admin_1_states_provinces
Midnight – 4 a.m.
Type to locate (⌘K)
Coordinate 39.523957°,-77.606754°
Scale 1:1264
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326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Rotation 0.0 °
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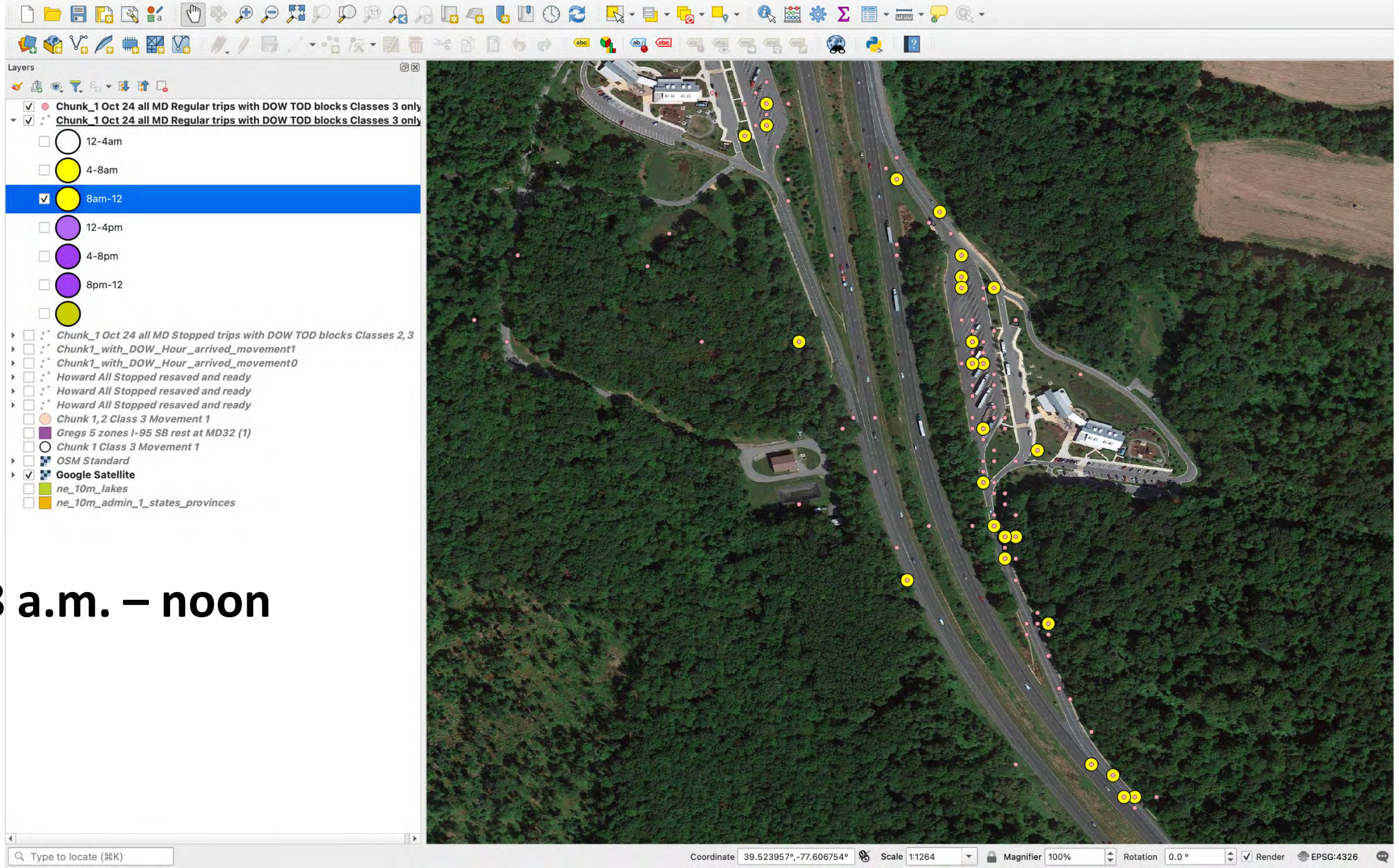
4 – 8 a.m.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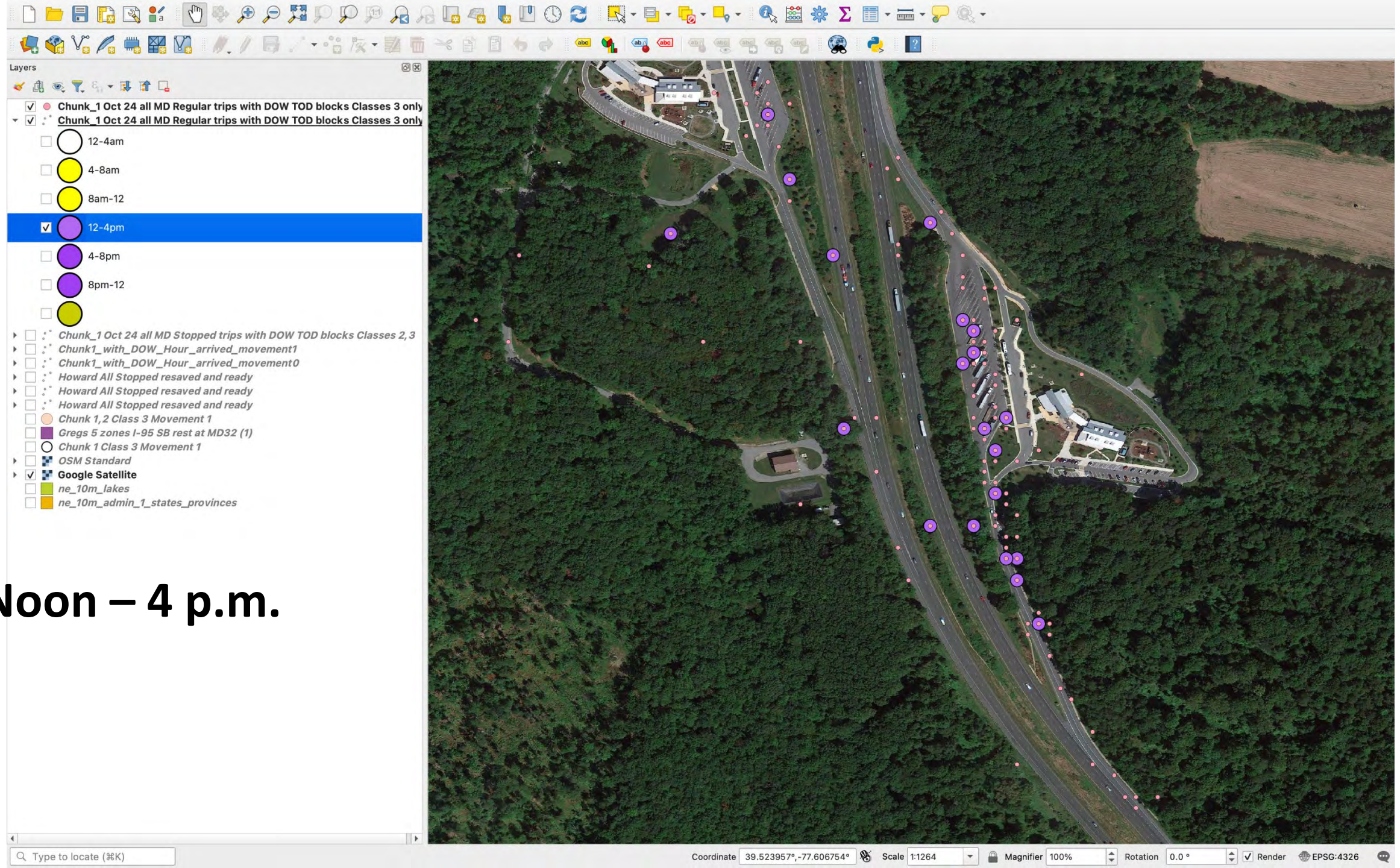
Type to locate (⌘K)
Coordinate 39.523957°,-77.606754°
Scale 1:1264
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

8 a.m. – noon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Chunk 1,2 Class 3 Movement 1
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Chunk 1 Class 3 Movement 1
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Google Satellite
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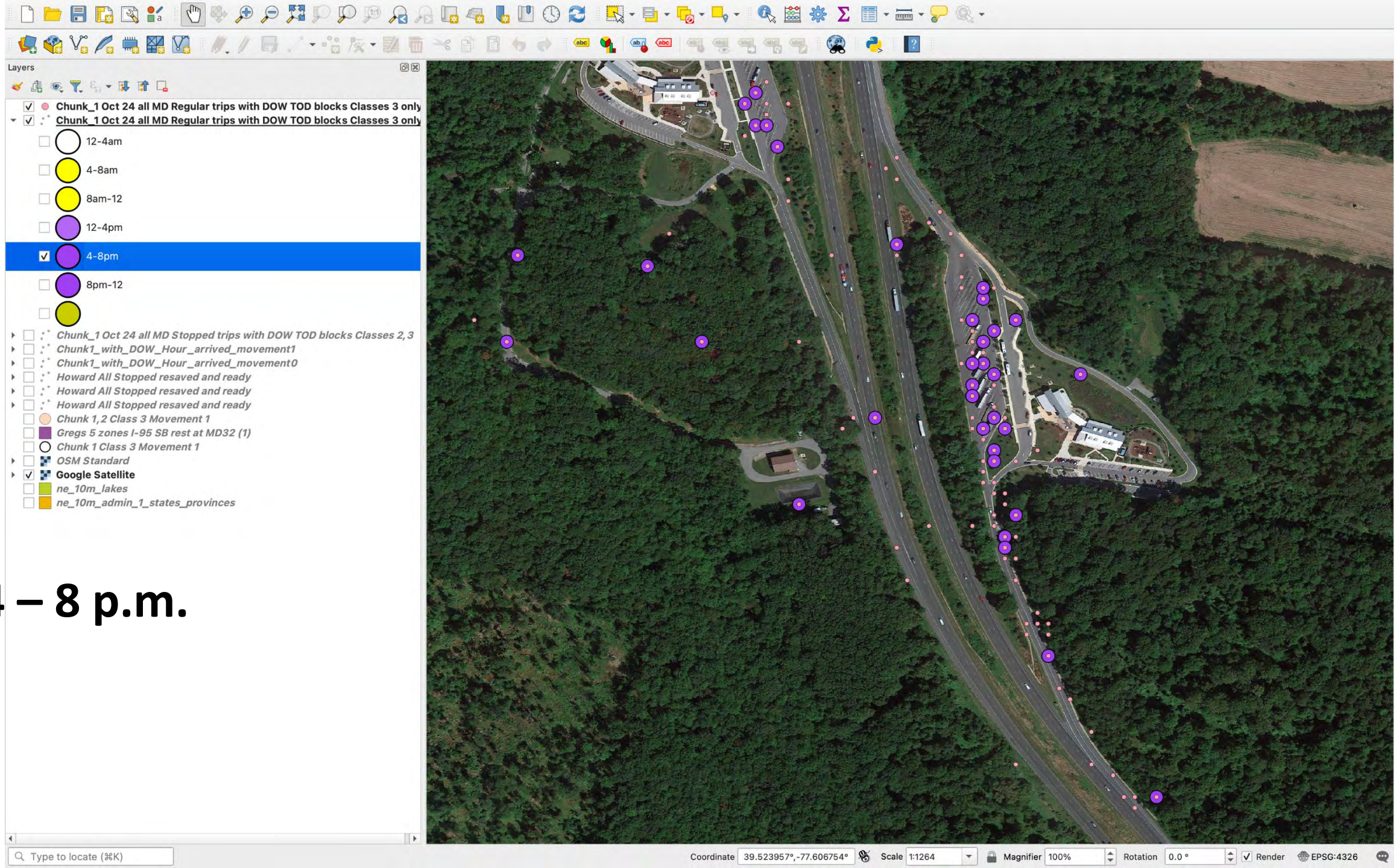
ne_10m_admin_1_states_provinces
Type to locate (⌘K)
Coordinate 39.523957°,-77.606754°
Scale 1:1264
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

Noon – 4 p.m.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12-4am
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8am-12
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Chunk1_with_DOW_Hour_arrived_movement1
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Howard All Stopped resaved and ready
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Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
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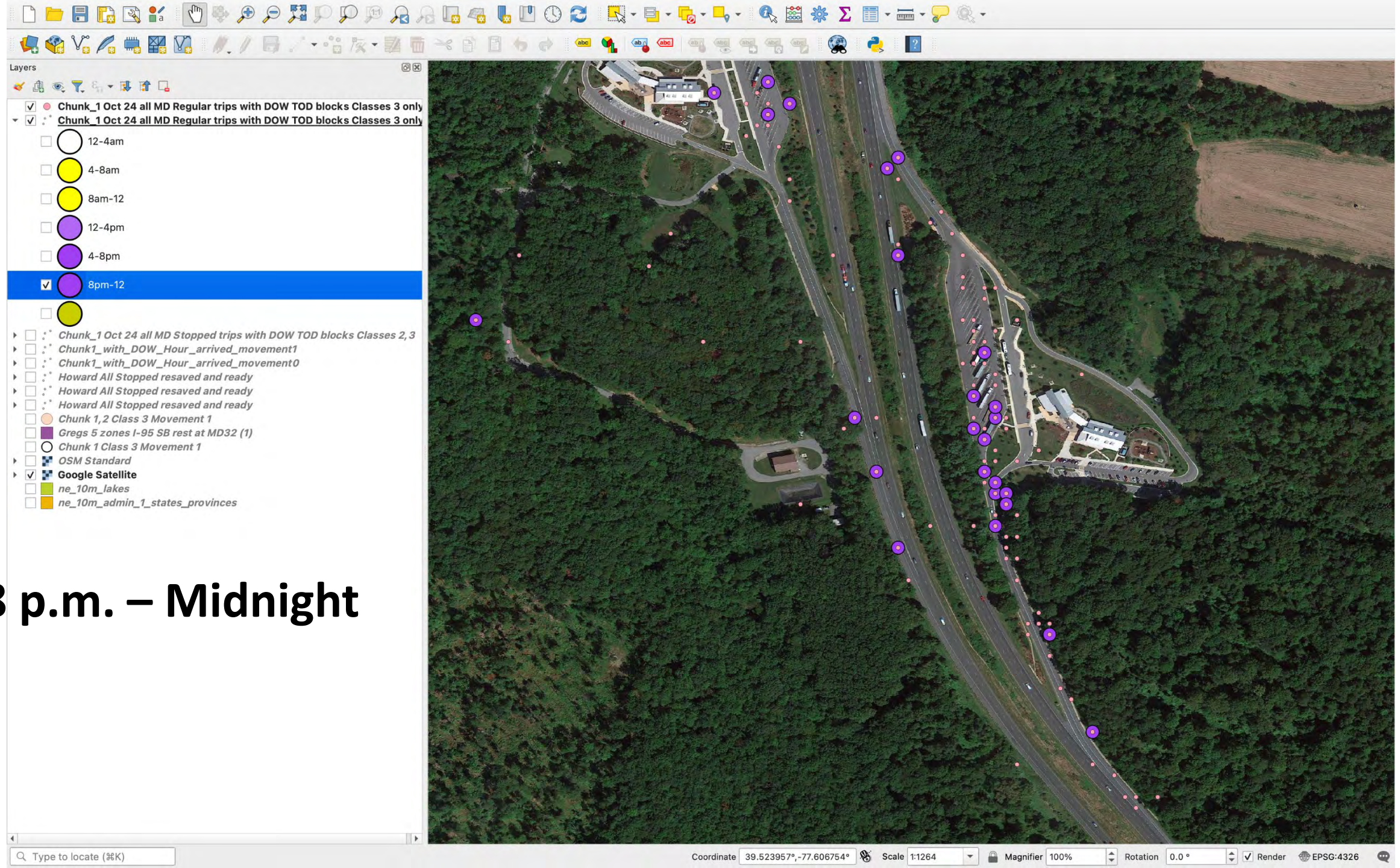
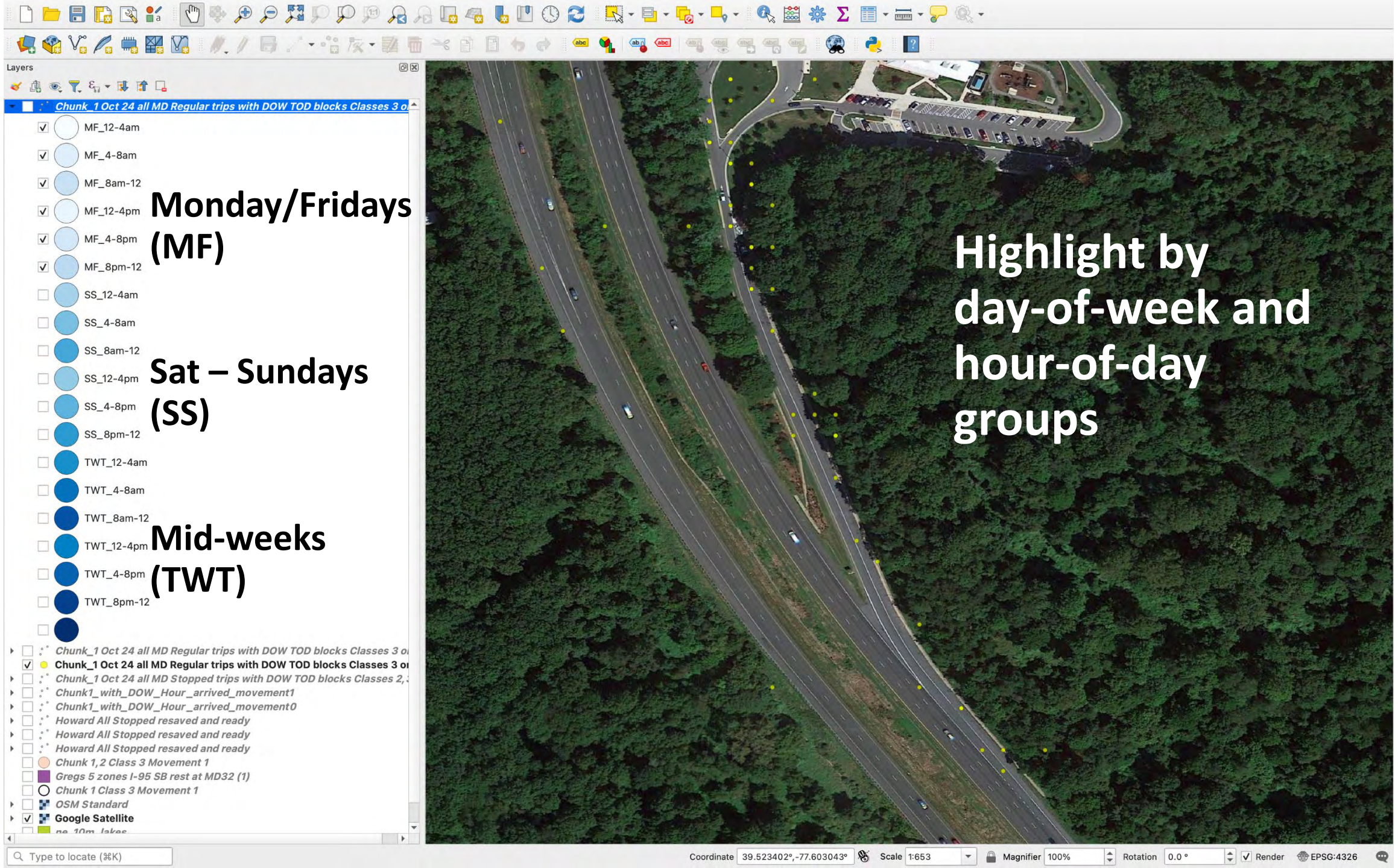
Type to locate (⌘K)
Coordinate 39.523957°,-77.606754°
Scale 1:1264
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

4 – 8 p.m.



8 p.m. – Midnight


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
Monday/Fridays (MF)
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
Sat – Sundays (SS)
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Mid-weeks (TWT)
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
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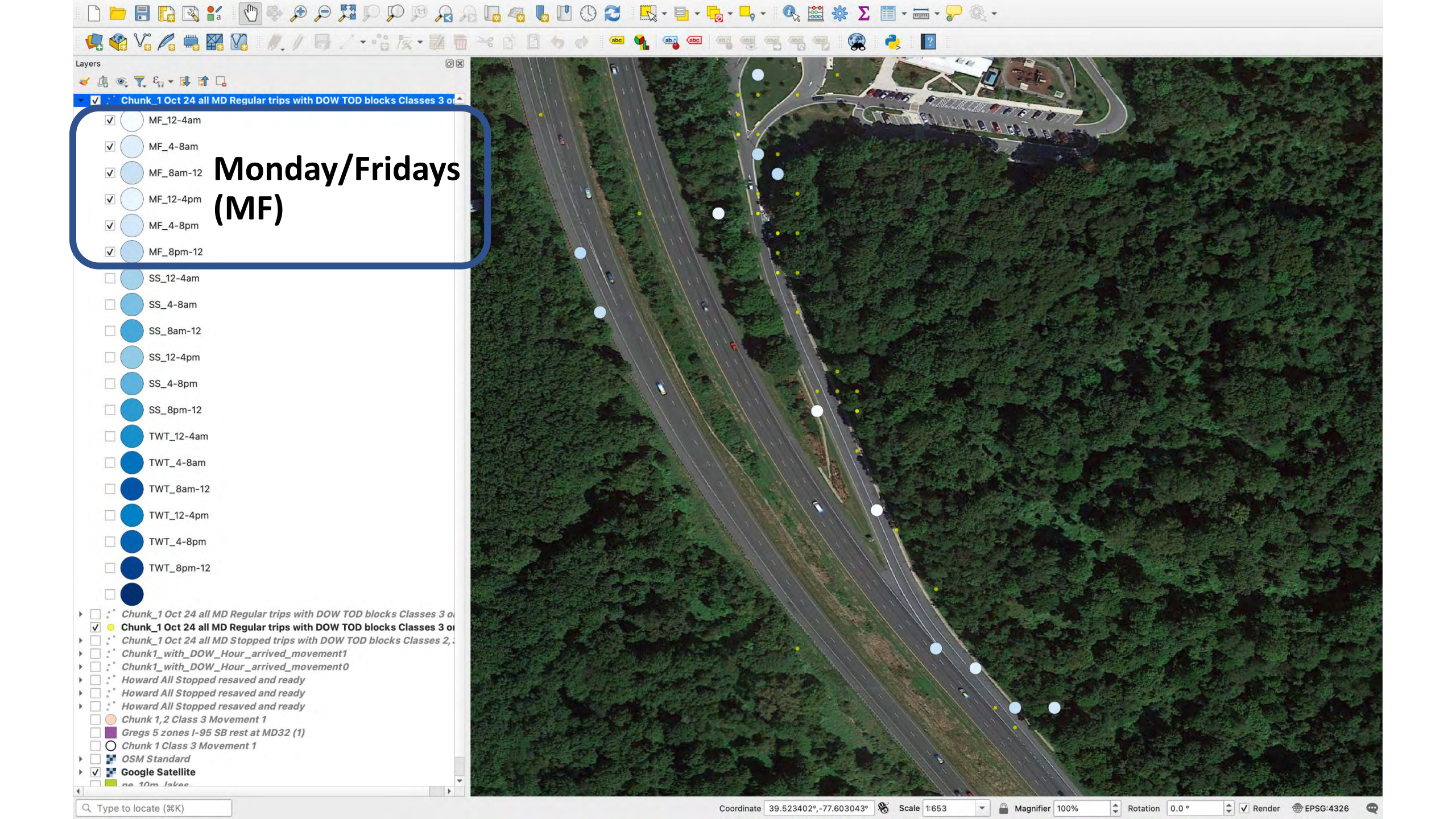
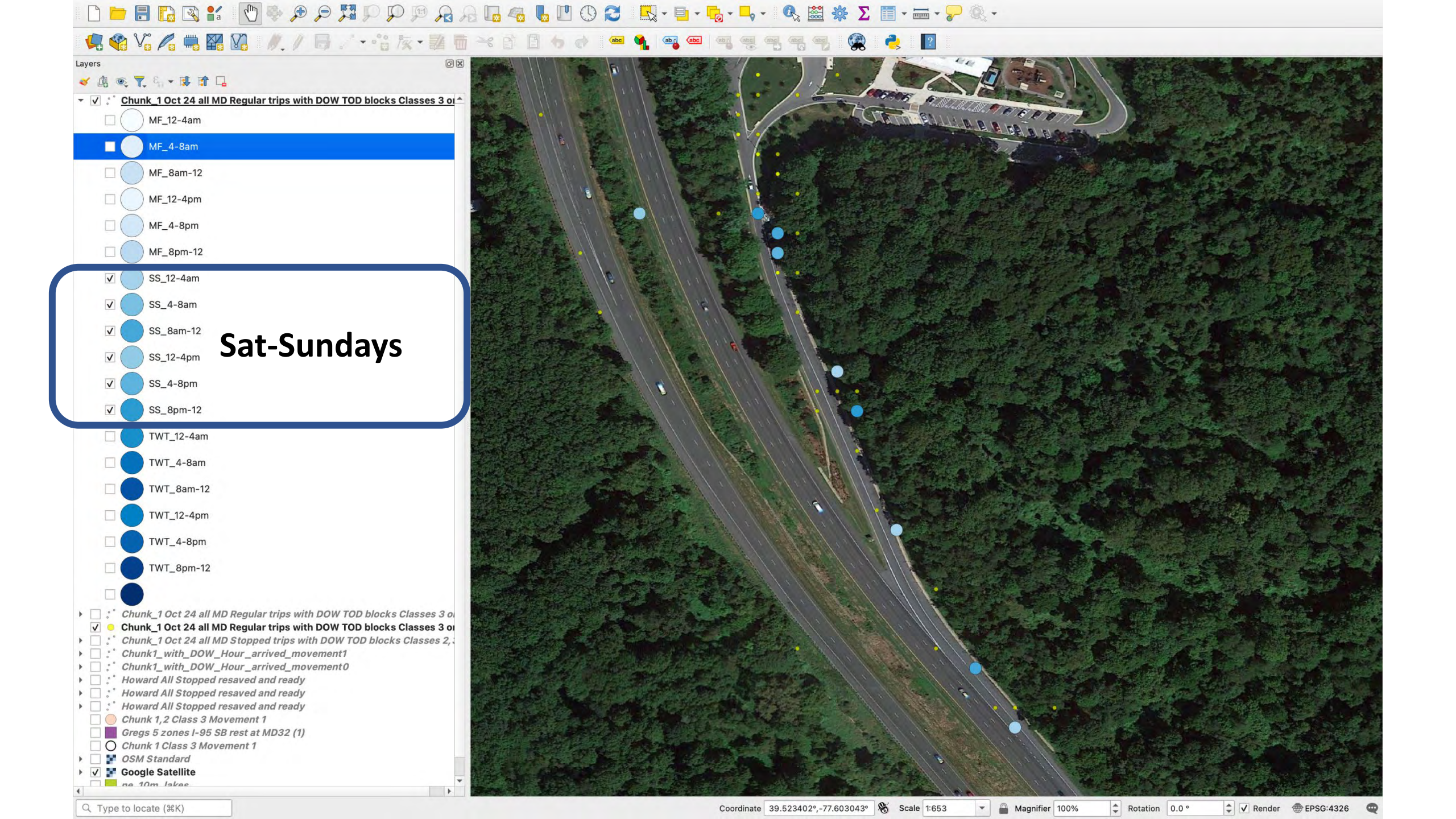
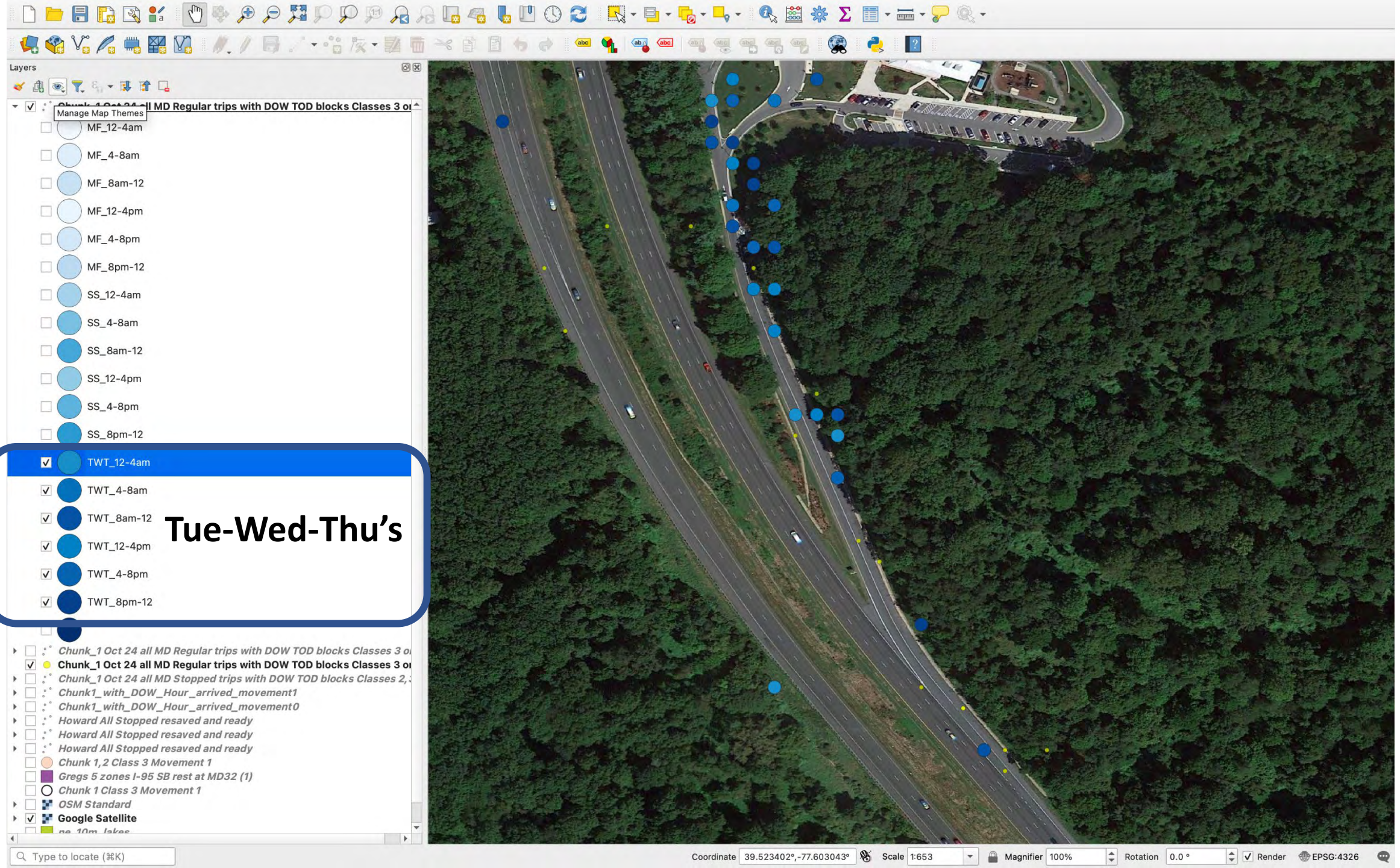
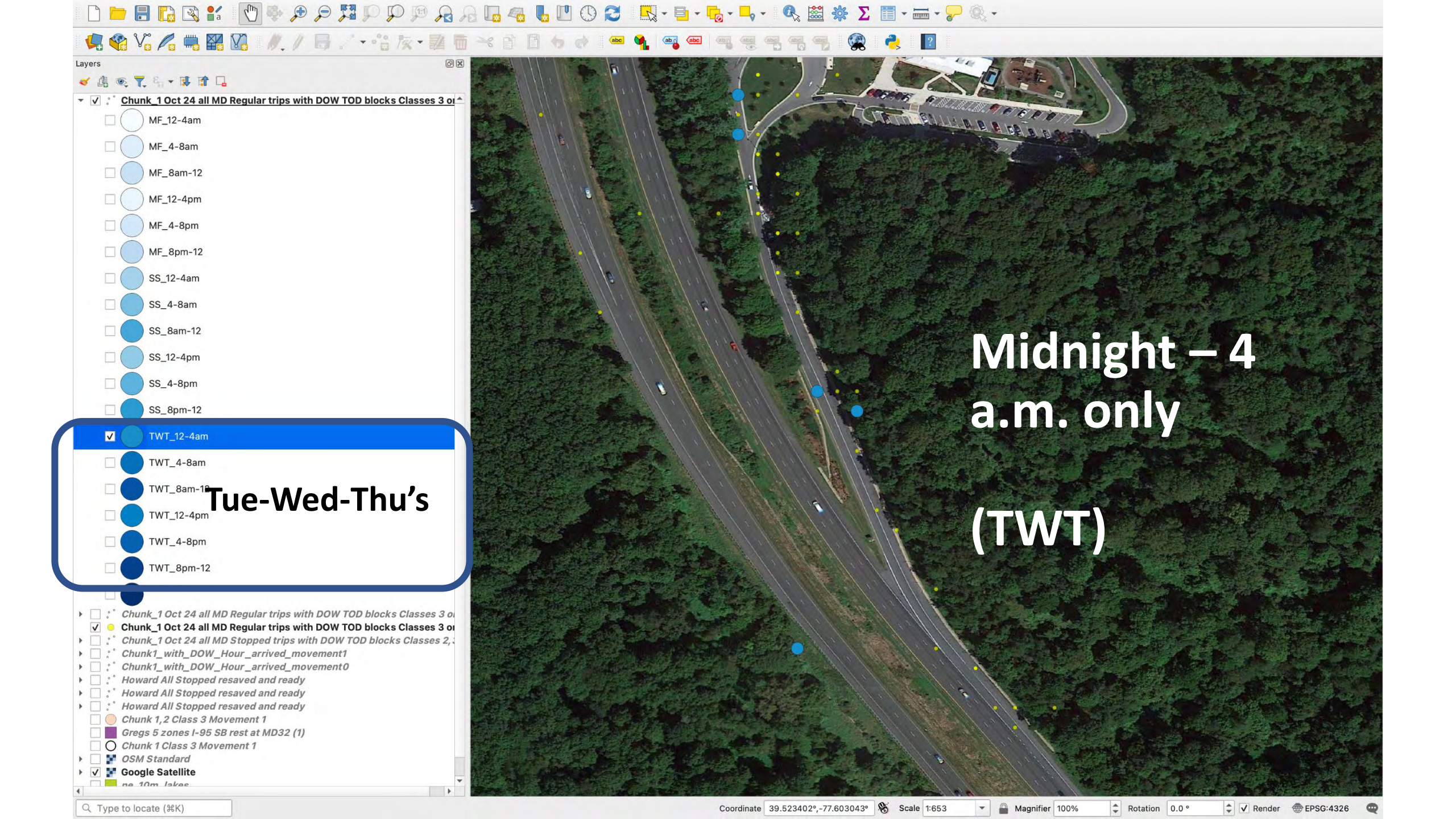
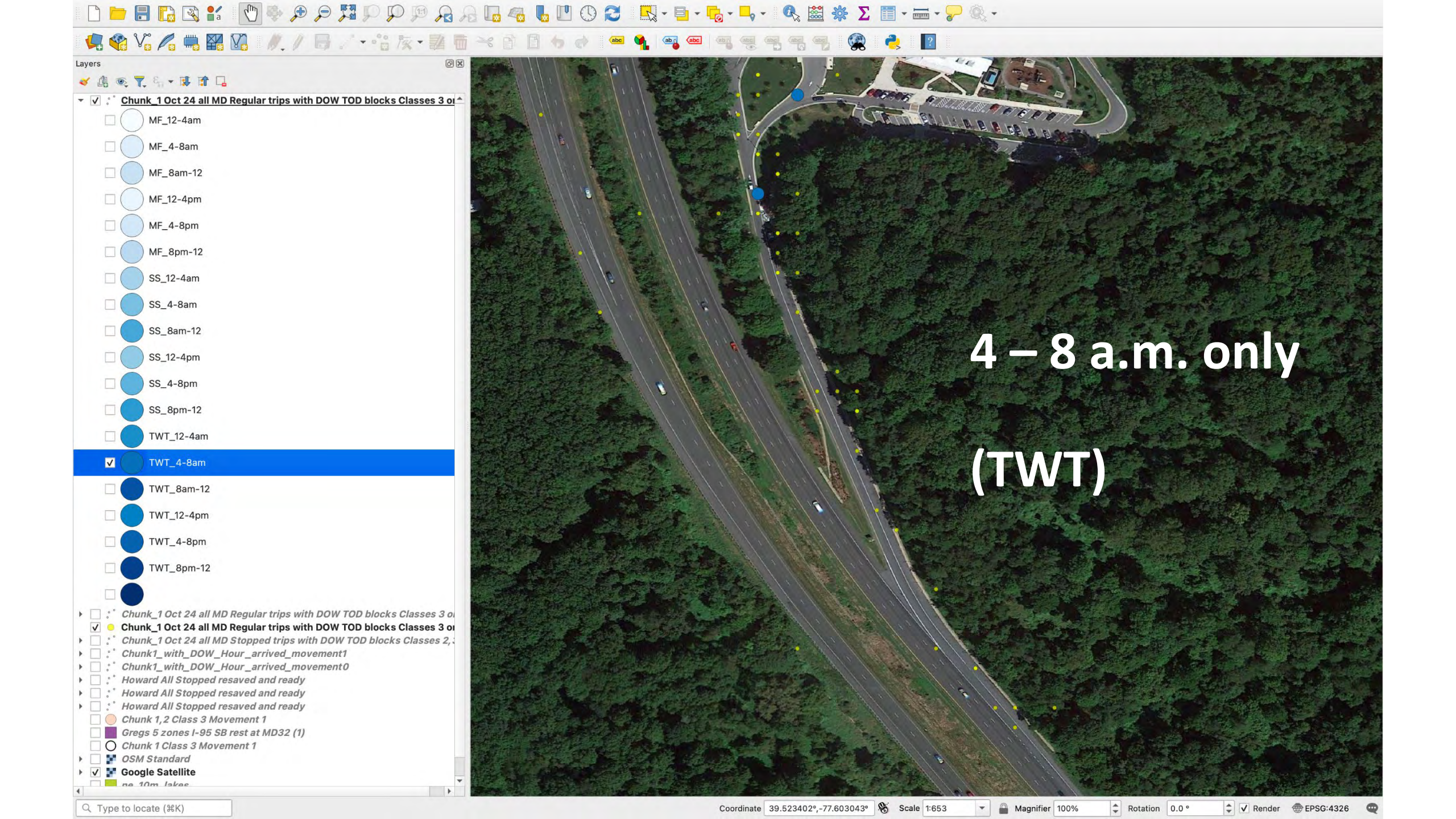
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
Highlight by day-of-week and hour-of-day groups
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

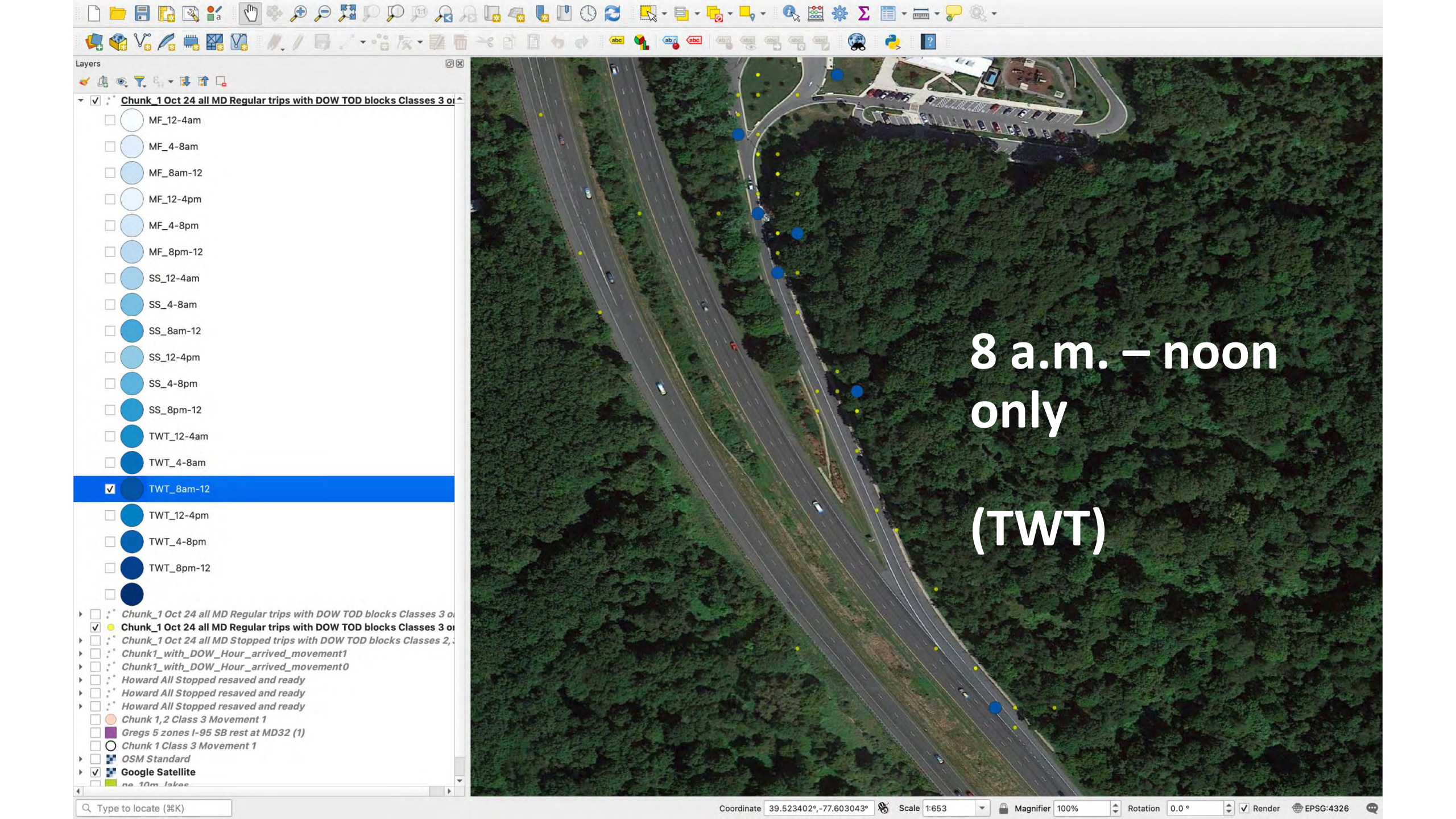

Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
Monday/Fridays (MF)
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

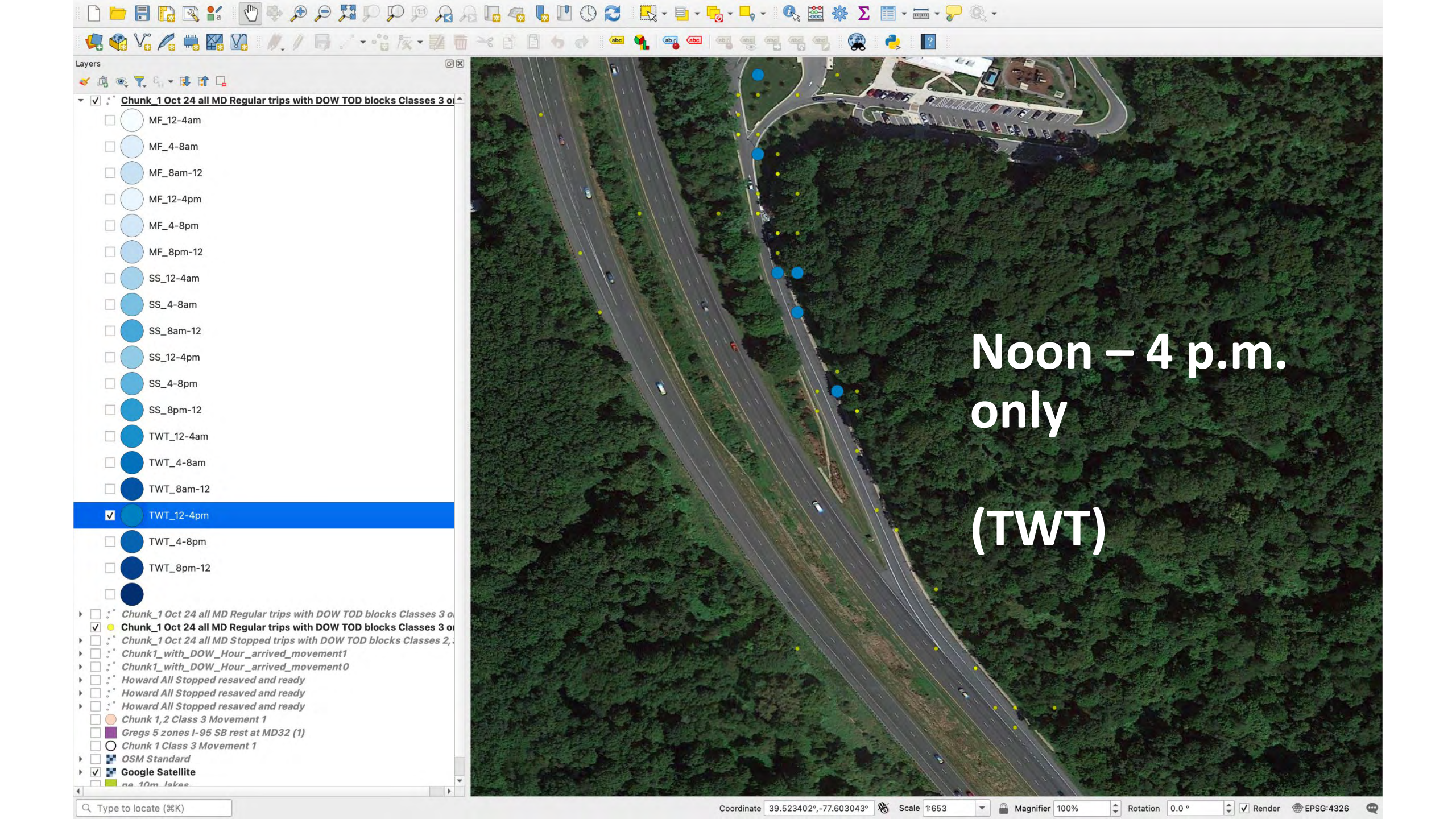

Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
Sat-Sundays
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

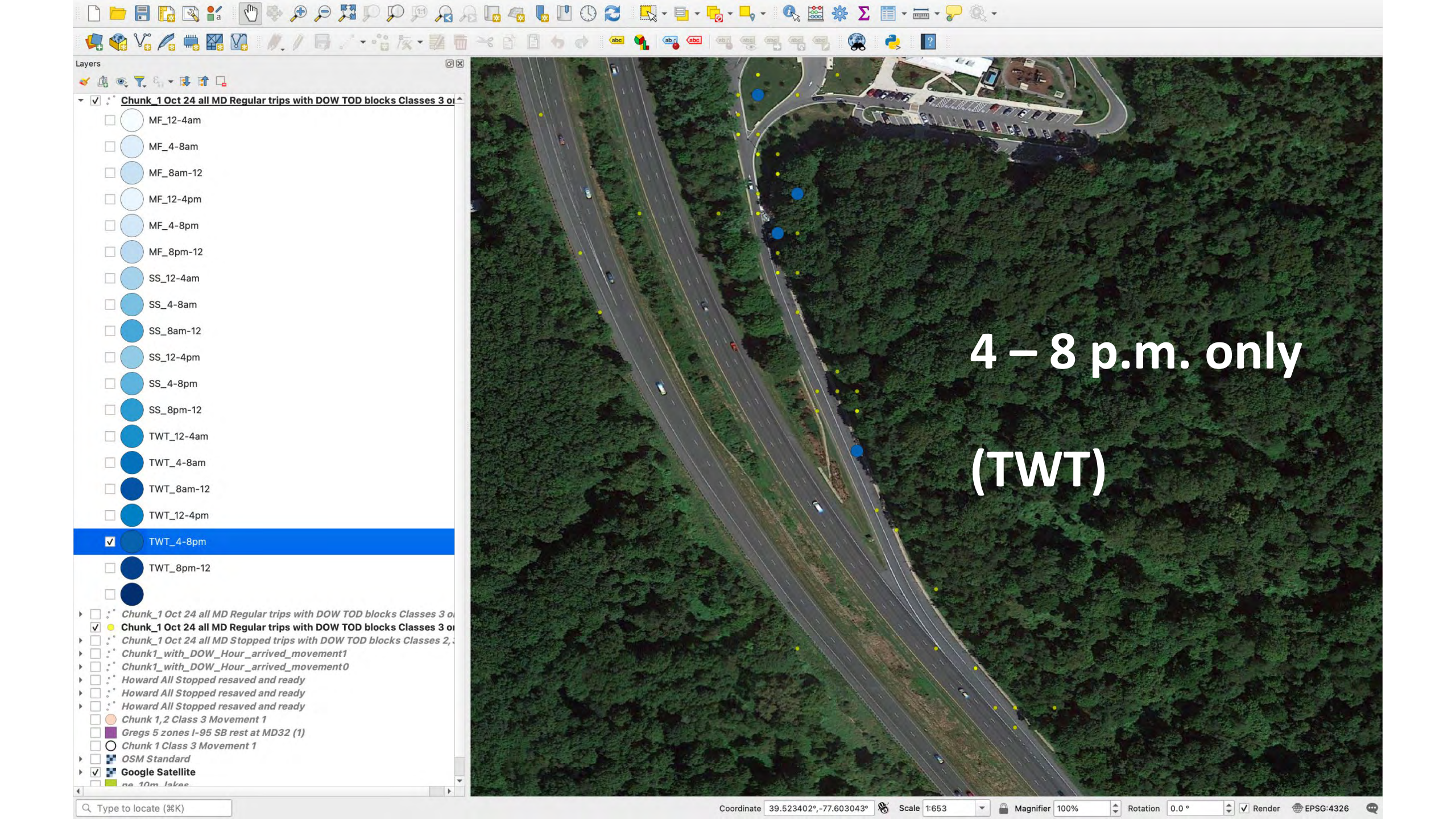

Layers
Manage Map Themes
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Tue-Wed-Thu's
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Tue-Wed-Thu's
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
Midnight – 4 a.m. only
(TWT)
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
4 – 8 a.m. only
(TWT)
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
8 a.m. – noon only
(TWT)
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
Noon – 4 p.m. only
(TWT)
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
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Howard All Stopped resaved and ready
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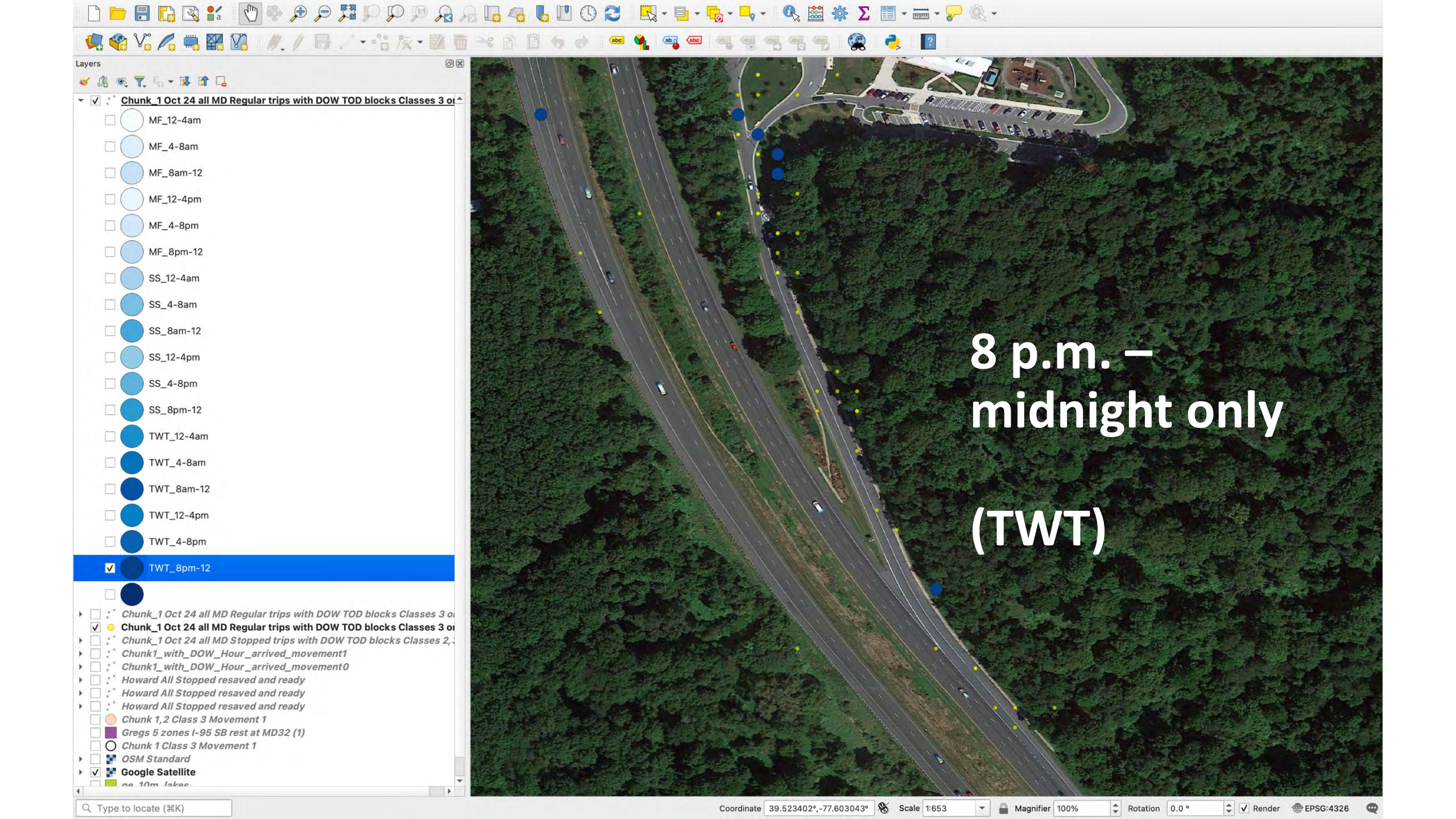
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
4 – 8 p.m. only
(TWT)
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326


Layers
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
MF_12-4am
MF_4-8am
MF_8am-12
MF_12-4pm
MF_4-8pm
MF_8pm-12
SS_12-4am
SS_4-8am
SS_8am-12
SS_12-4pm
SS_4-8pm
SS_8pm-12
TWT_12-4am
TWT_4-8am
TWT_8am-12
TWT_12-4pm
TWT_4-8pm
TWT_8pm-12
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Regular trips with DOW TOD blocks Classes 3 o
Chunk_1 Oct 24 all MD Stopped trips with DOW TOD blocks Classes 2,
Chunk1_with_DOW_Hour_arrived_movement1
Chunk1_with_DOW_Hour_arrived_movement0
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Howard All Stopped resaved and ready
Chunk 1,2 Class 3 Movement 1
Gregs 5 zones I-95 SB rest at MD32 (1)
Chunk 1 Class 3 Movement 1
OSM Standard
Google Satellite
8 p.m. –
midnight only
(TWT)
Type to locate (⌘K)
Coordinate 39.523402°,-77.603043°
Scale 1:653
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

Analysis using Trip Analytics:

SB I—95 in MD at MD 32

3-hour analysis bins

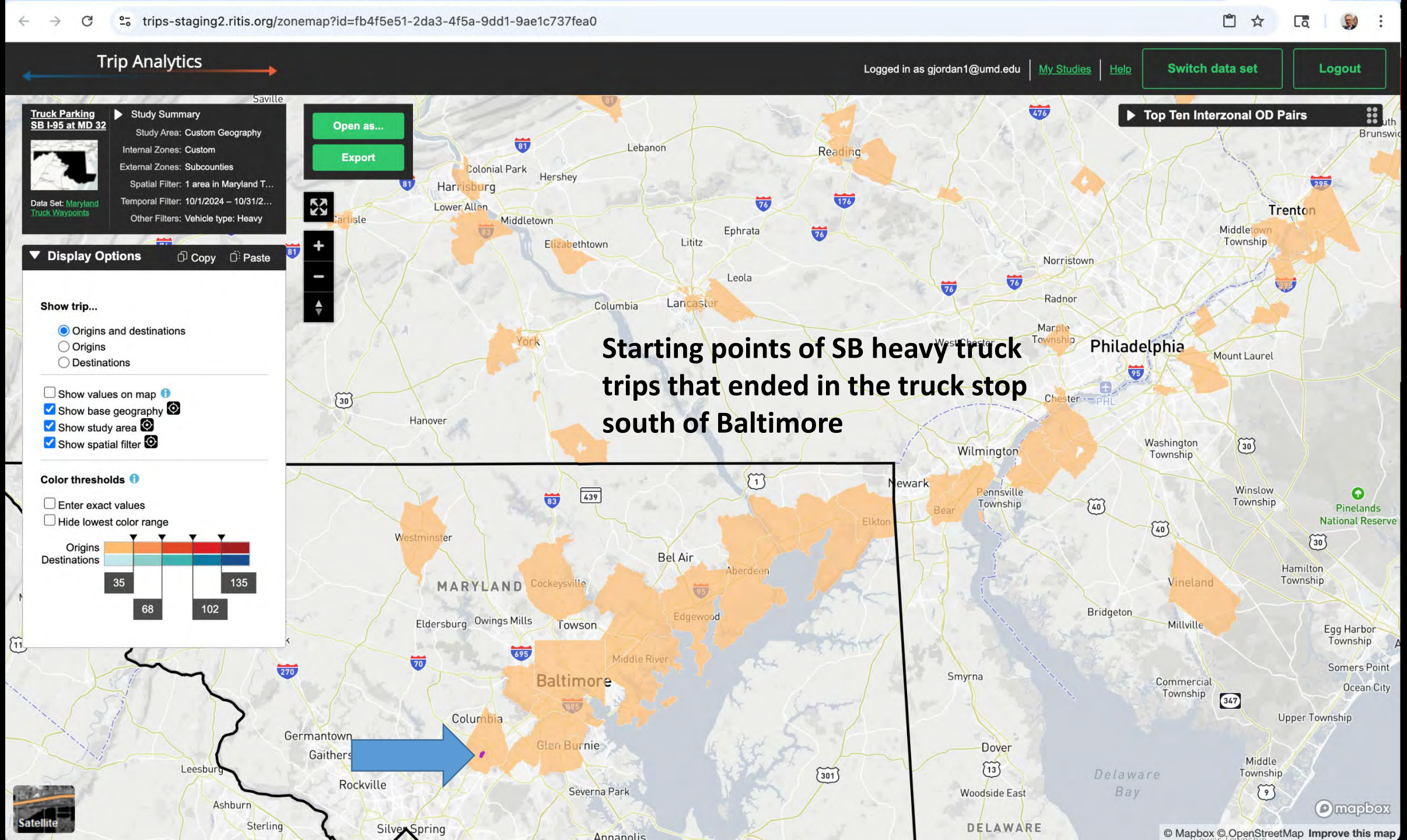

Maryland Travel Information
Unsafe
Safe


Safe
Unsafe


High risk
Risky
Low risk
Risky
High risk
Maryland Travel Information
Middle Patuxent River
Red Trail
Boulder Ridge Rd
SM


Dangerous
Unsafe
SM


Unsafe
Dangerous
SM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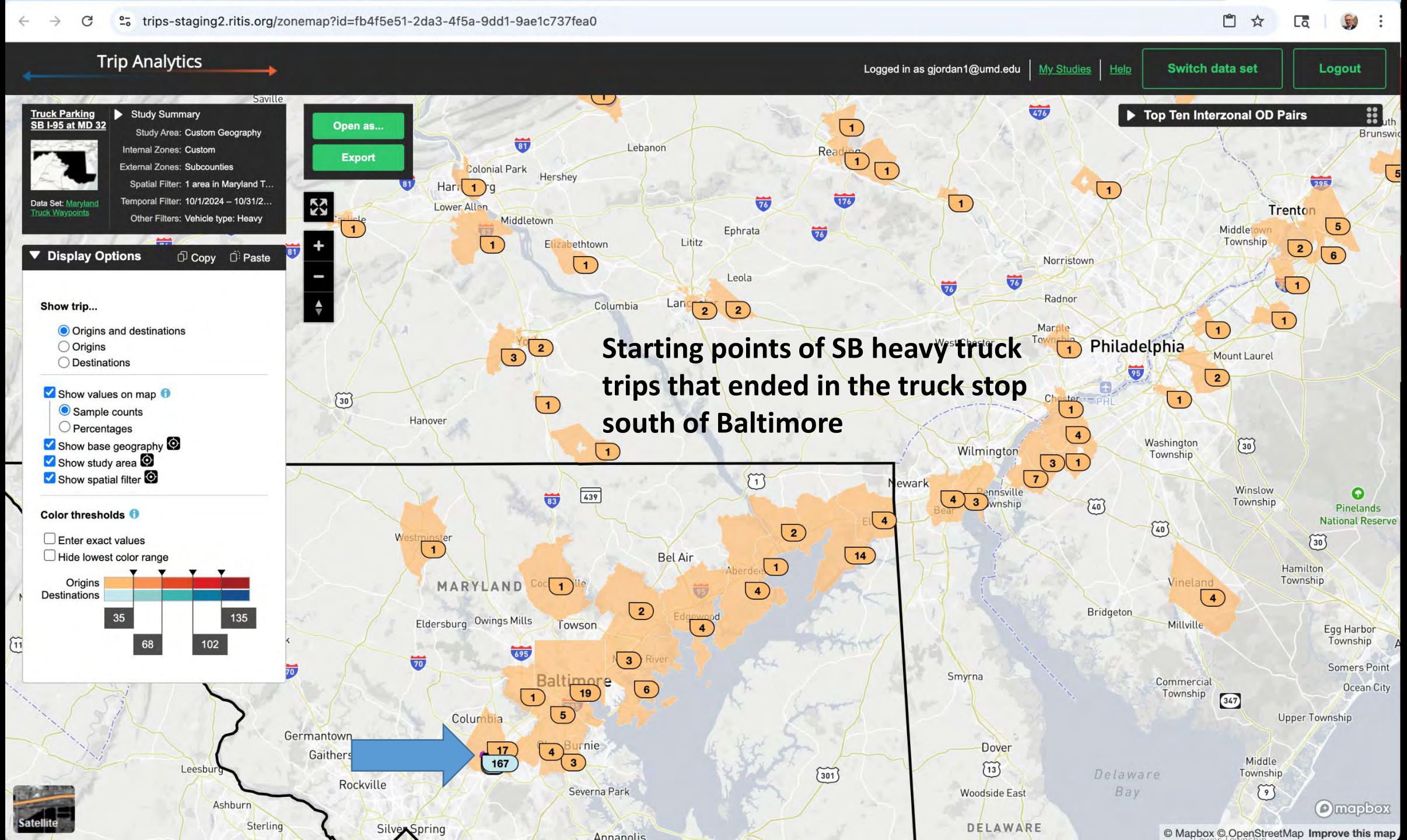
Trip Analytics
Logged in as gjordan1@umd.edu
My Studies
Help
Switch data set
Logout
Truck Parking SB I-95 at MD 32
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: Subcounties
Spatial Filter: 1 area in Maryland T...
Temporal Filter: 10/1/2024 – 10/31/2...
Other Filters: Vehicle type: Heavy
Data Set: Maryland Truck Waypoints
Open as...
Export
Top Ten Interzonal OD Pairs
Display Options
Copy
Paste
Show trip...
Origins and destinations
Origins
Destinations
Show values on map
Show base geography
Show study area
Show spatial filter
Color thresholds
Enter exact values
Hide lowest color range
Origins
Destinations
35
68
102
135
Starting points of SB heavy truck trips that ended in the truck stop south of Baltimore
Satellite
Harrisburg
Lancaster
York
Hanover
Reading
Lebanon
Philadelphia
Trenton
Wilmington
Newark
Baltimore
Columbia
Bel Air
Towson
Rockville
Germantown
Silver Spring
Annapolis
Dover
DELAWARE
MARYLAND
Delaware Bay
mapbox
© Mapbox © OpenStreetMap Improve this map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Trip Analytics
Logged in as gjordan1@umd.edu
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Help
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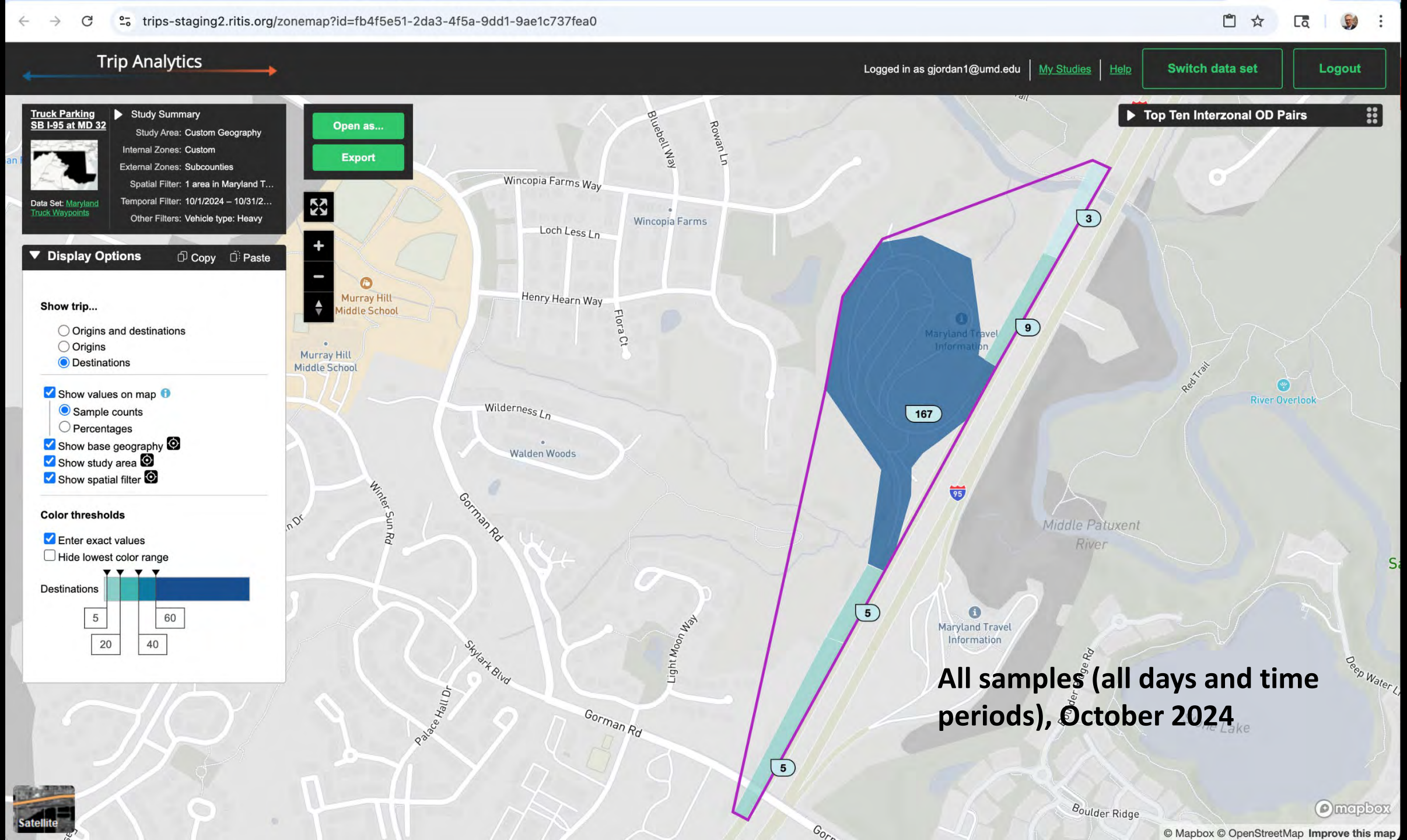
Logout
Truck Parking SB I-95 at MD 32
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: Subcounties
Spatial Filter: 1 area in Maryland T...
Temporal Filter: 10/1/2024 – 10/31/2...
Other Filters: Vehicle type: Heavy
Data Set: Maryland Truck Waypoints
Open as...
Export
Top Ten Interzonal OD Pairs
Display Options
Copy
Paste
Show trip...
Origins and destinations
Origins
Destinations
Show values on map
Sample counts
Percentages
Show base geography
Show study area
Show spatial filter
Color thresholds
Enter exact values
Hide lowest color range
Origins
Destinations
35
68
102
135
Starting points of SB heavy truck trips that ended in the truck stop south of Baltimore
MARYLAND
DELAWARE
Baltimore
Philadelphia
Trenton
Wilmington
Newark
Bel Air
Towson
Columbia
Rockville
Germantown
Silver Spring
Annapolis
Dover
Smyrna
Bridgeton
Millville
Vineland
Pinelands National Reserve
Delaware Bay
Satellite
© Mapbox © OpenStreetMap Improve this map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Trip Analytics
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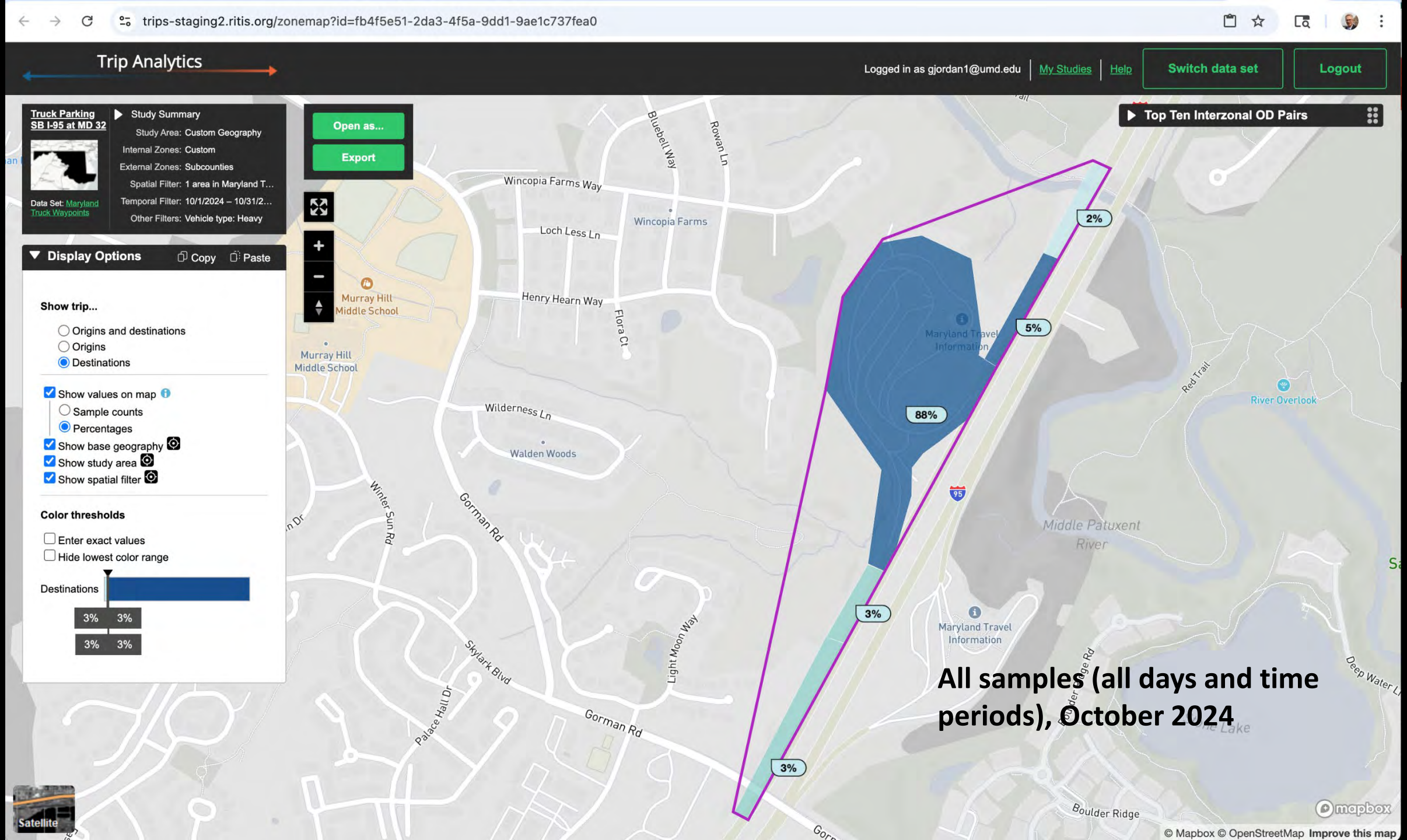
Truck Parking SB I-95 at MD 32
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: Subcounties
Spatial Filter: 1 area in Maryland T...
Temporal Filter: 10/1/2024 – 10/31/2...
Other Filters: Vehicle type: Heavy
Data Set: Maryland Truck Waypoints
Open as...
Export
Top Ten Interzonal OD Pairs
Display Options
Copy
Paste
Show trip...
Origins and destinations
Origins
Destinations
Show values on map
Sample counts
Percentages
Show base geography
Show study area
Show spatial filter
Color thresholds
Enter exact values
Hide lowest color range
Destinations
5
20
40
60
Satellite
All samples (all days and time periods), October 2024
© Mapbox © OpenStreetMap Improve this map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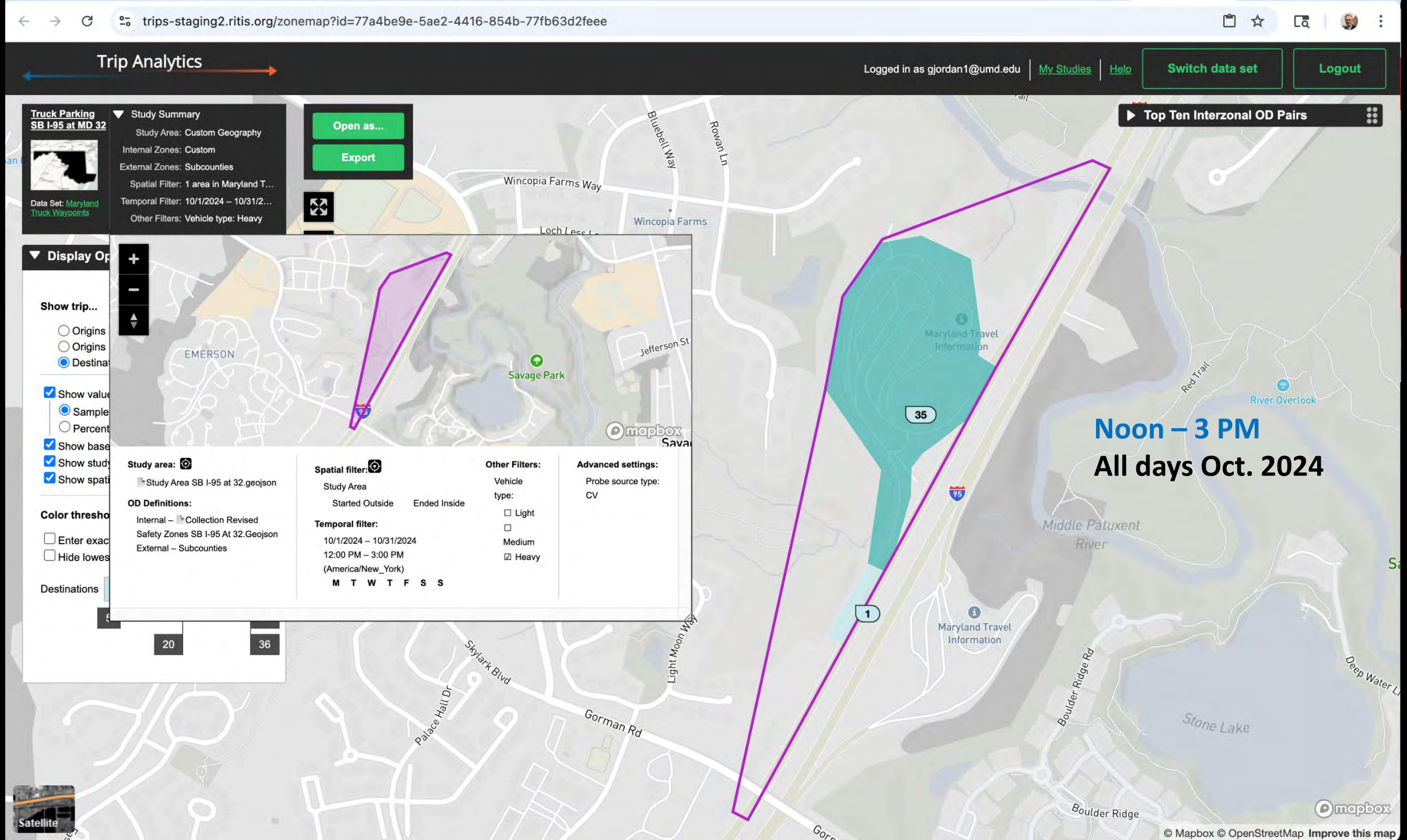
Trip Analytics
Logged in as gjordan1@umd.edu
My Studies
Help
Switch data set
Logout
Truck Parking SB I-95 at MD 32
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: Subcounties
Spatial Filter: 1 area in Maryland T...
Temporal Filter: 10/1/2024 – 10/31/2...
Other Filters: Vehicle type: Heavy
Data Set: Maryland Truck Waypoints
Open as...
Export
Top Ten Interzonal OD Pairs
Display Options
Copy
Paste
Show trip...
Origins and destinations
Origins
Destinations
Show values on map
Sample counts
Percentages
Show base geography
Show study area
Show spatial filter
Color thresholds
Enter exact values
Hide lowest color range
Destinations
3%
3%
3%
3%
2%
5%
88%
3%
3%
All samples (all days and time periods), October 2024
Wincopia Farms Way
Bluebell Way
Rowan Ln
Loch Less Ln
Wincopia Farms
Henry Hearn Way
Flora Ct
Murray Hill Middle School
Wilderness Ln
Walden Woods
Winter Sun Rd
Gorman Rd
Skylark Blvd
Palace Hall Dr
Light Moon Way
Maryland Travel Information
Red Trail
River Overlook
Middle Patuxent River
Boulder Ridge
Satellite
© Mapbox © OpenStreetMap Improve this map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Trip Analytics
Logged in as gjordan1@umd.edu
My Studies
Help
Switch data set
Logout
Truck Parking SB I-95 at MD 32
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: Subcounties
Spatial Filter: 1 area in Maryland T...
Temporal Filter: 10/1/2024 – 10/31/2...
Other Filters: Vehicle type: Heavy
Data Set: Maryland Truck Waypoints
Open as...
Export
Top Ten Interzonal OD Pairs
Display Op
Show trip...
Origins
Origins
Destina
Show value
Sample
Percent
Show base
Show study
Show spati
Color thresho
Enter exac
Hide lowes
Destinations
20
36
Study area:
Study Area SB I-95 at 32.geojson
OD Definitions:
Internal – Collection Revised
Safety Zones SB I-95 At 32.Geojson
External – Subcounties
Spatial filter:
Study Area
Started Outside
Ended Inside
Temporal filter:
10/1/2024 – 10/31/2024
12:00 PM – 3:00 PM
(America/New_York)
M T W T F S S
Other Filters:
Vehicle type:
Light
Medium
Heavy
Advanced settings:
Probe source type:
CV
Noon – 3 PM
All days Oct. 2024
Wincopia Farms Way
Bluebell Way
Rowan Ln
Wincopia Farms
Loch Less
EMERSON
Savage Park
Jefferson St
Maryland Travel Information
Red Trail
River Overlook
Middle Patuxent River
Skylark Blvd
Palace Hall Dr
Light Moon Way
Gorman Rd
Boulder Ridge Rd
Deep Water
Stone Lake
Boulder Ridge
Satellite
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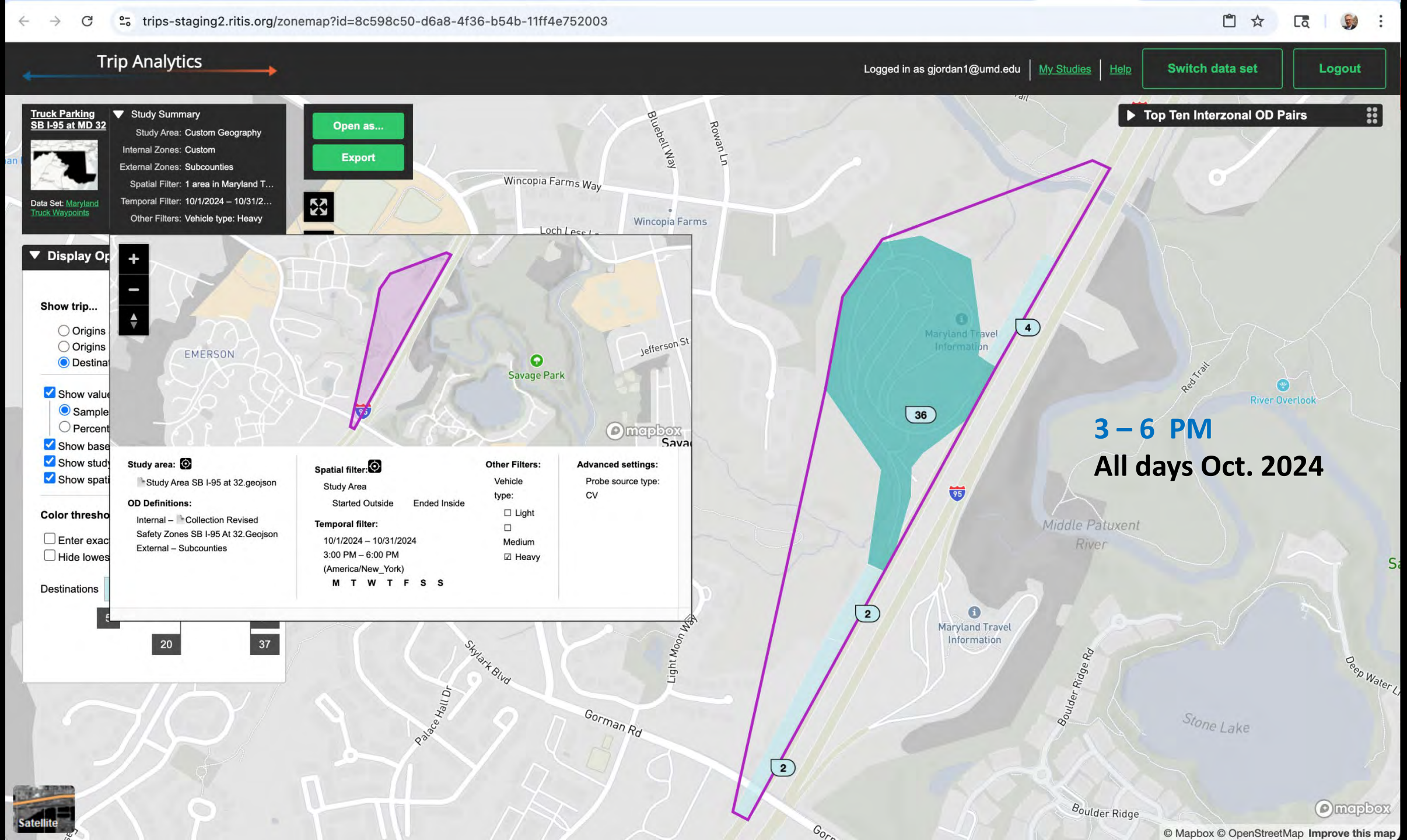
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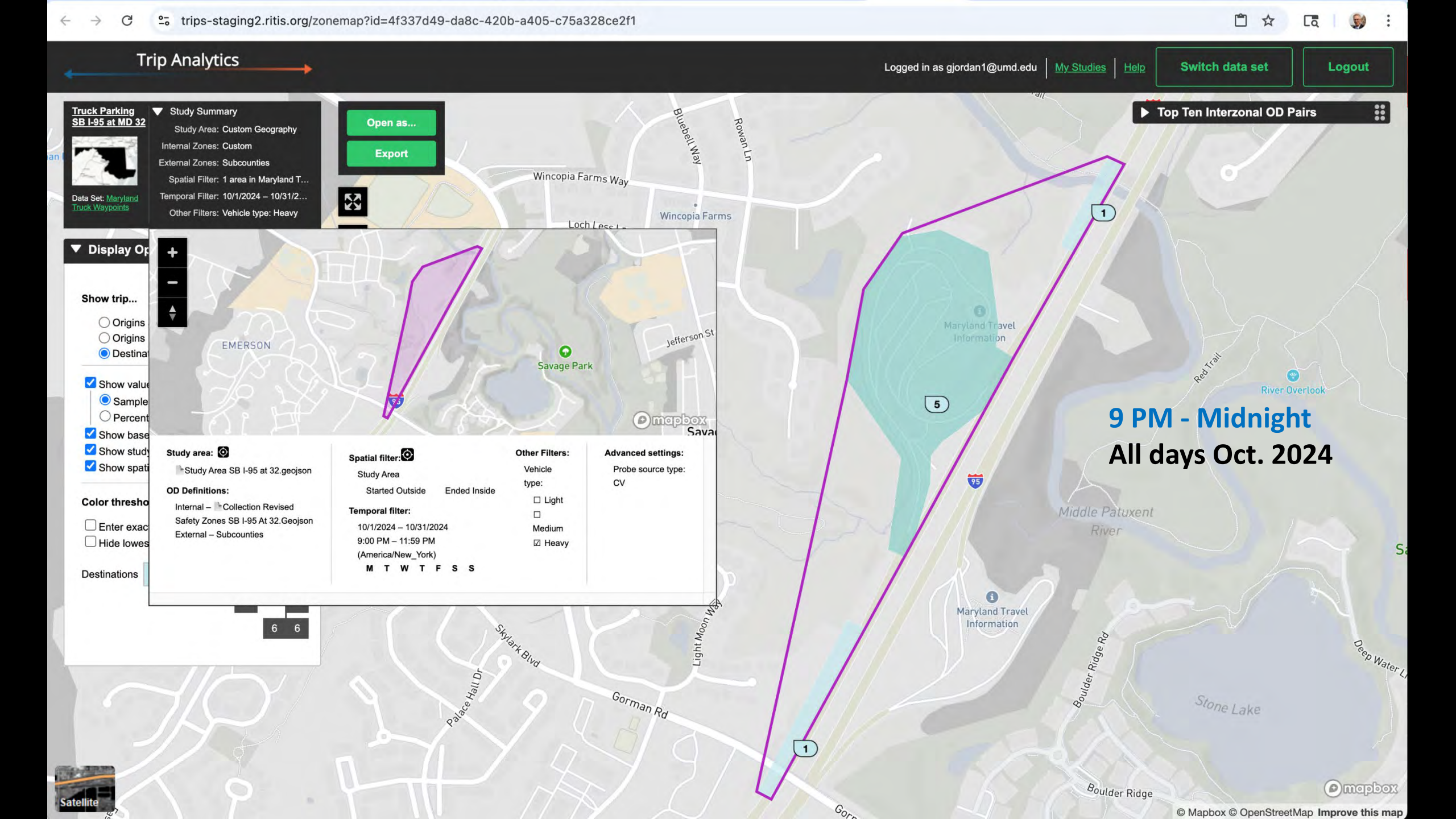
Trip Analytics
Logged in as gjordan1@umd.edu
My Studies
Help
Switch data set
Logout
Truck Parking SB I-95 at MD 32
Study Summary
Study Area: Custom Geography
Internal Zones: Custom
External Zones: Subcounties
Spatial Filter: 1 area in Maryland T...
Temporal Filter: 10/1/2024 – 10/31/2...
Other Filters: Vehicle type: Heavy
Data Set: Maryland Truck Waypoints
Open as...
Export
Top Ten Interzonal OD Pairs
Display Op
Show trip...
Origins
Origins
Destinat
Show value
Sample
Percent
Show base
Show study
Show spati
Color thresho
Enter exac
Hide lowes
Destinations
20
37
Study area:
Study Area SB I-95 at 32.geojson
OD Definitions:
Internal – Collection Revised
Safety Zones SB I-95 At 32.Geojson
External – Subcounties
Spatial filter:
Study Area
Started Outside
Ended Inside
Temporal filter:
10/1/2024 – 10/31/2024
3:00 PM – 6:00 PM
(America/New_York)
M T W T F S S
Other Filters:
Vehicle type:
☐ Light
☐ Medium
☑ Heavy
Advanced settings:
Probe source type:
CV
3 – 6 PM
All days Oct. 2024
Wincopia Farms Way
Bluebell Way
Rowan Ln
Wincopia Farms
Loch Less
EMERSON
Savage Park
Jefferson St
Maryland Travel Information
Red Trail
River Overlook
Middle Patuxent River
Skylark Blvd
Palace Hall Dr
Light Moon Way
Gorman Rd
Boulder Ridge Rd
Deep Water
Stone Lake
Boulder Ridge
Satellite
mapbox
© Mapbox © OpenStreetMap Improve this map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Logged in as gjordan1@umd.edu
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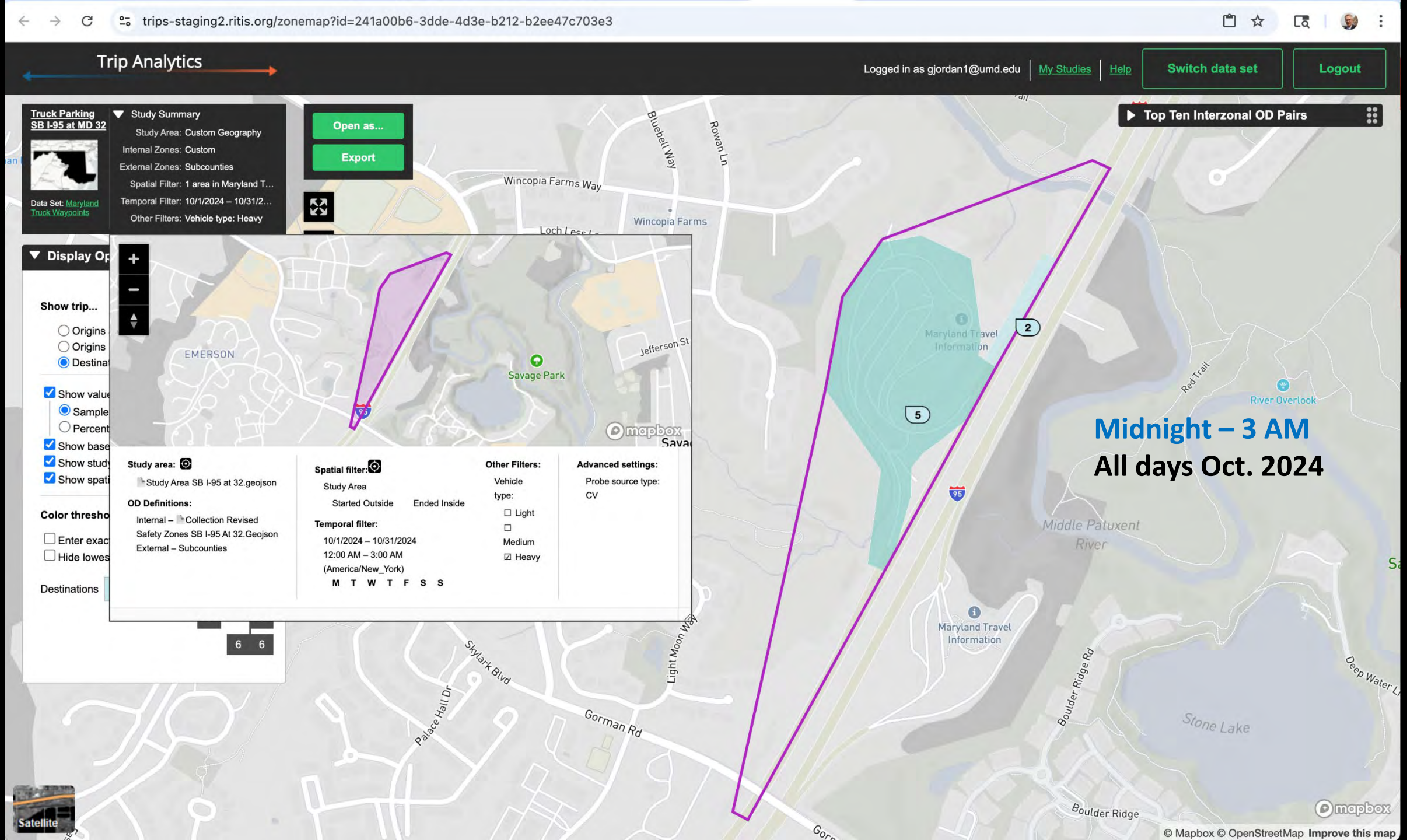
Export
Display Op
Show trip...
Origins
Origins
Destinat
Show value
Sample
Percent
Show base
Show study
Show spati
Color thresho
Enter exac
Hide lowes
Destinations
Study area:
Study Area SB I-95 at 32.geojson
OD Definitions:
Internal – Collection Revised
Safety Zones SB I-95 At 32.Geojson
External – Subcounties
Spatial filter:
Study Area
Started Outside
Ended Inside
Temporal filter:
10/1/2024 – 10/31/2024
9:00 PM – 11:59 PM
(America/New_York)
M T W T F S S
Other Filters:
Vehicle type:
☐ Light
☐ Medium
☑ Heavy
Advanced settings:
Probe source type:
CV
Top Ten Interzonal OD Pairs
9 PM - Midnight
All days Oct. 2024
Wincopia Farms Way
Bluebell Way
Rowan Ln
Wincopia Farms
Loch Less
EMERSON
Savage Park
Jefferson St
Maryland Travel Information
Red Trail
River Overlook
Middle Patuxent River
Maryland Travel Information
Skylark Blvd
Light Moon Way
Palace Hall Dr
Gorman Rd
Boulder Ridge Rd
Deep Water
Stone Lake
Boulder Ridge
Satellite
mapbox
© Mapbox © OpenStreetMap Improve this map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Trip Analytics
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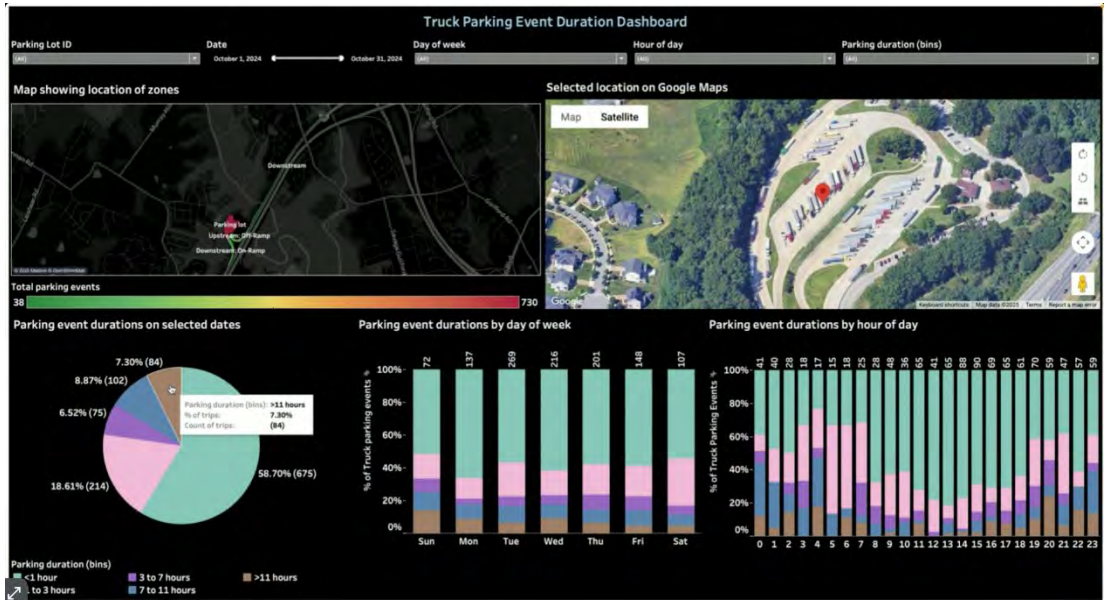
Export
Top Ten Interzonal OD Pairs
Display Op
Show trip...
Origins
Origins
Destinat
Show value
Sample
Percent
Show base
Show study
Show spati
Color thresho
Enter exac
Hide lowes
Destinations
Study area:
Study Area SB I-95 at 32.geojson
OD Definitions:
Internal – Collection Revised Safety Zones SB I-95 At 32.Geojson
External – Subcounties
Spatial filter:
Study Area
Started Outside
Ended Inside
Temporal filter:
10/1/2024 – 10/31/2024
12:00 AM – 3:00 AM
(America/New_York)
M T W T F S S
Other Filters:
Vehicle type:
☐ Light
☐ Medium
☑ Heavy
Advanced settings:
Probe source type:
CV
Midnight – 3 AM
All days Oct. 2024
Wincopia Farms Way
Bluebell Way
Rowan Ln
Wincopia Farms
Loch Less
EMERSON
Savage Park
Jefferson St
Maryland Travel Information
Red Trail
River Overlook
Middle Patuxent River
Skylark Blvd
Palace Hall Dr
Light Moon Way
Gorman Rd
Boulder Ridge Rd
Deep Water
Stone Lake
Boulder Ridge
Satellite
mapbox
© Mapbox © OpenStreetMap Improve this map

Parking Metric Dashboards



g Lot ID

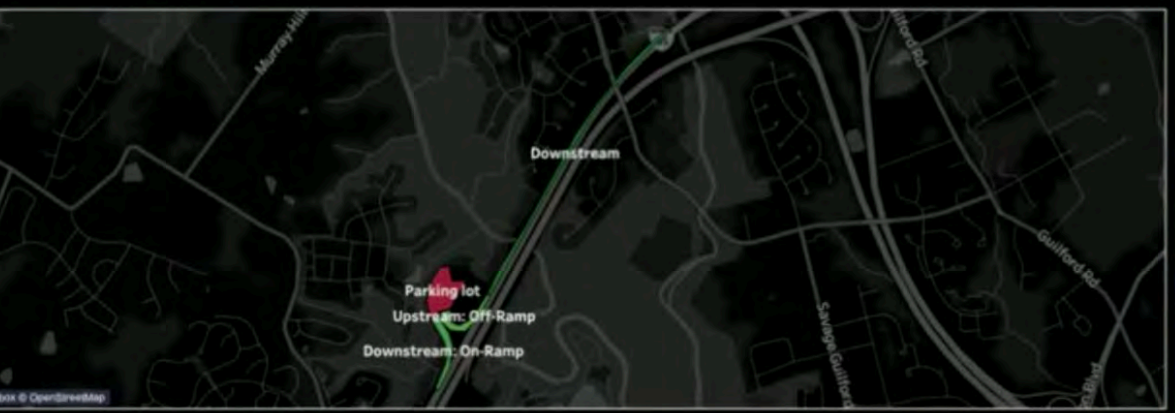
Date
October 1, 2024 — October 31, 2024

Day of week
(All)

Hour of day
(All)

Parking duration (bins)
(All)

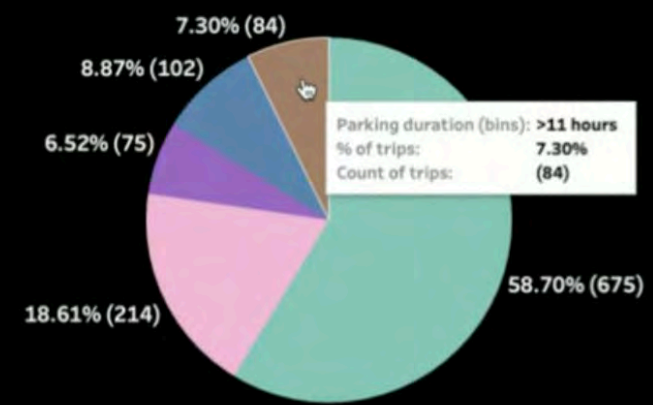
showing location of zones



parking events
730

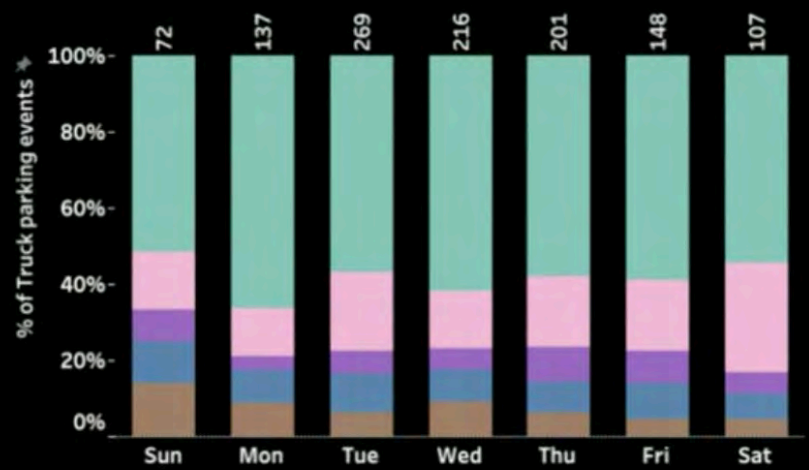
Selected location on Google Maps

ing event durations on selected dates

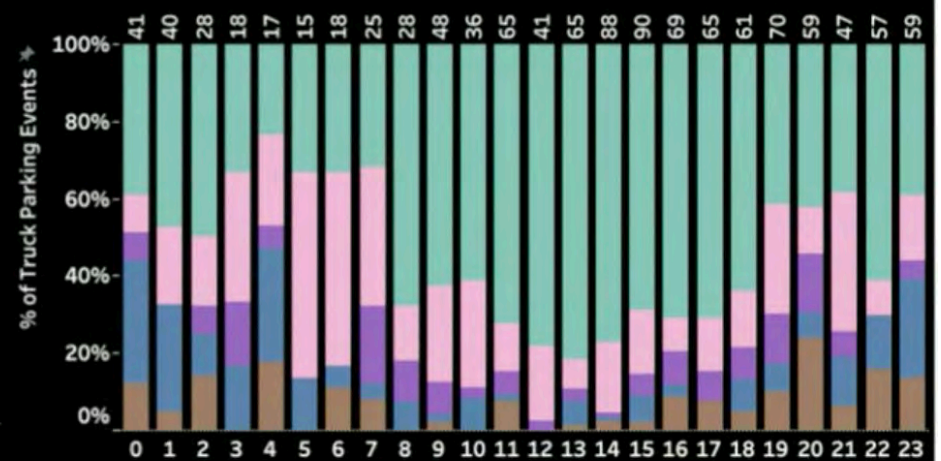


g duration (bins)
hour
3 hours
3 to 7 hours
7 to 11 hours
>11 hours

Parking event durations by day of week



Parking event durations by hour of day



Truck Parking Event Duration Dashboard

Parking Lot ID: (All)

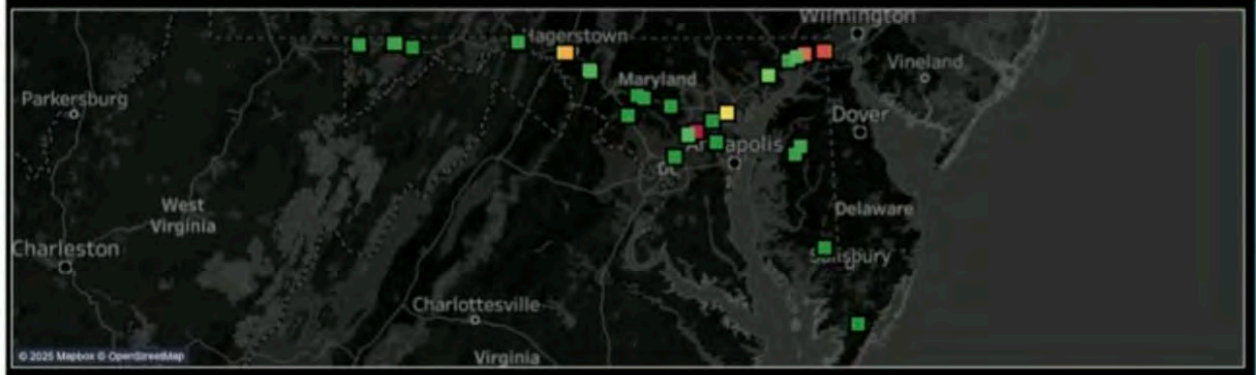
Date: October 1, 2024 — October 31, 2024

Day of week: (All)

Hour of day: (All)

Parking duration (bins): (All)

Map showing location of parking lots

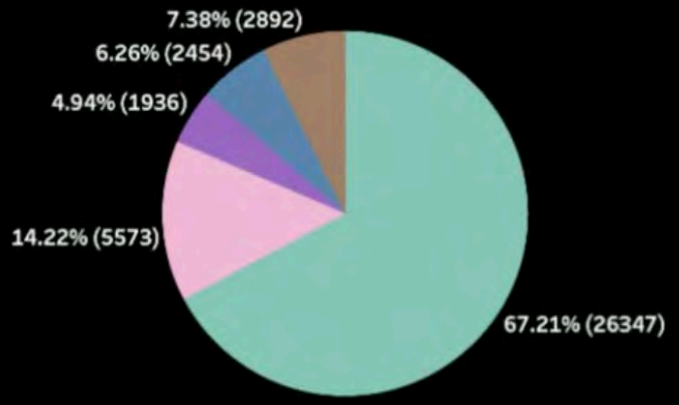


Total parking events

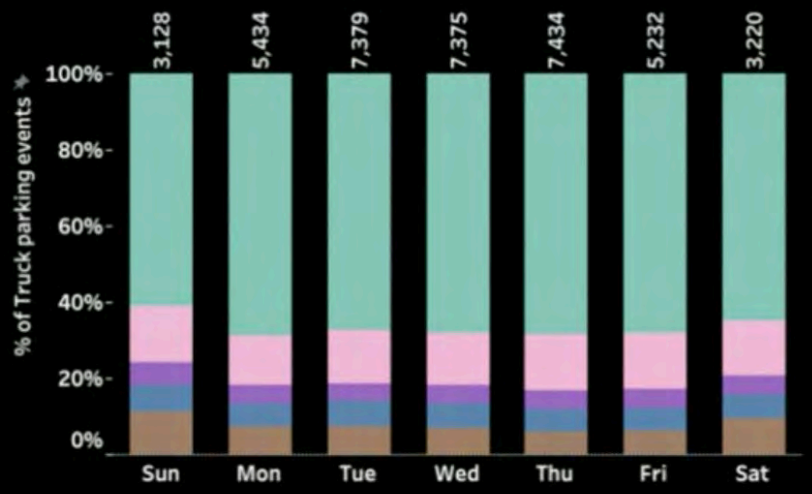
21 — 4,570

Selected location on Google Maps

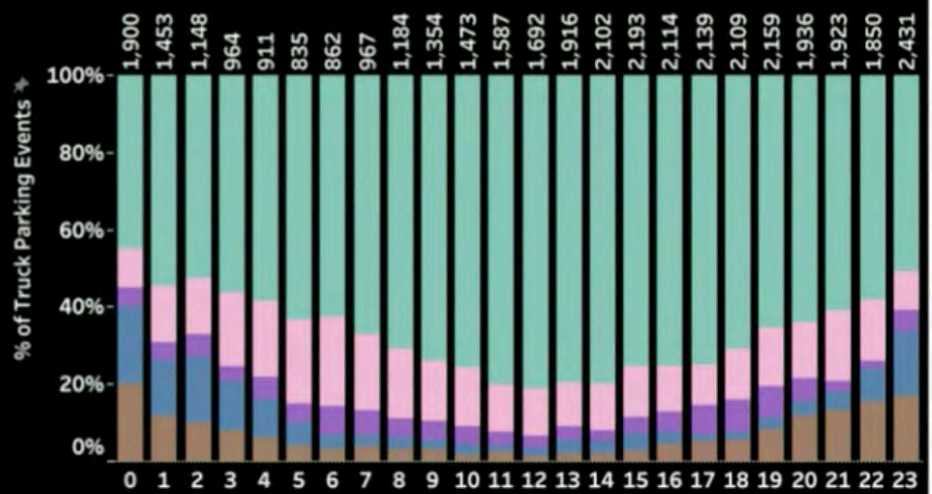
Parking event durations on selected dates



Parking event durations by day of week



Parking event durations by hour of day



Parking duration (bins)

- <1 hour
- 1 to 3 hours
- 3 to 7 hours
- 7 to 11 hours
- >11 hours

Truck Parking Event Duration Dashboard

Parking Lot ID: (All)

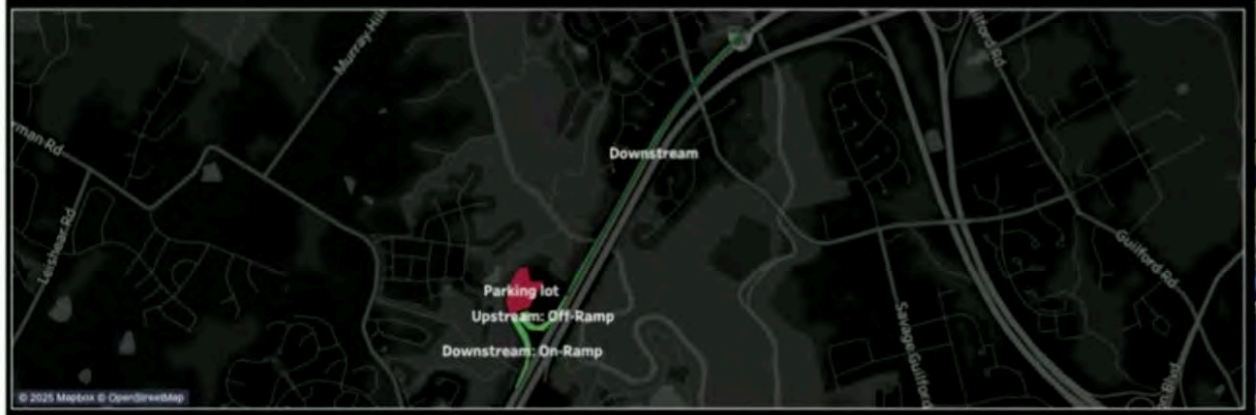
Date: October 1, 2024 — October 31, 2024

Day of week: (All)

Hour of day: (All)

Parking duration (bins): (All)

Map showing location of zones

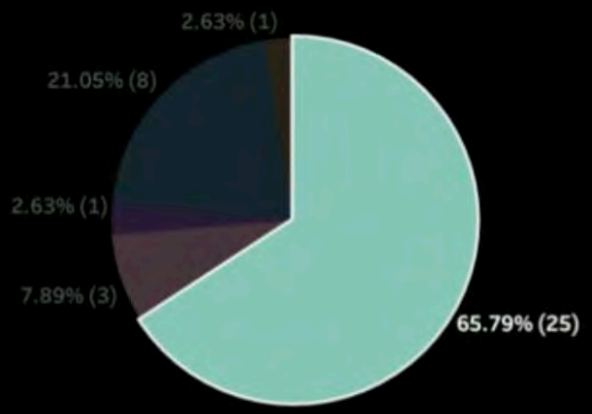


Total parking events

38 — 730

Selected location on Google Maps

Parking event durations on selected dates



Parking duration (bins)

- <1 hour
- 1 to 3 hours
- 3 to 7 hours
- 7 to 11 hours
- >11 hours

Duration of trips

Trip Id	Event start time	Event end time	Duration (hr)
ad3055b1-e81c-e6a6-1b79-25..	10/18/2024 10:16:14 PM	10/18/2024 10:35:53 PM	0.3
c77401f7-5732-0f2b-f35e-d10..	10/18/2024 10:16:14 PM	10/18/2024 10:35:53 PM	0.3
cd06ca5e-c066-5b79-2071-29..	10/15/2024 11:00:53 PM	10/15/2024 11:17:16 PM	0.3
619fb53b-1031-73e6-bef2-ff7..	10/8/2024 2:47:05 AM	10/8/2024 3:02:04 AM	0.2
6d857fcb-71e0-41fb-461f-859..	10/7/2024 11:50:59 PM	10/8/2024 12:04:59 AM	0.2
950f2ead-8397-558f-c27e-a1..	10/11/2024 9:37:51 AM	10/11/2024 9:50:29 AM	0.2
9819062c-a4bf-a930-6d59-99..	10/3/2024 2:58:55 AM	10/3/2024 3:10:29 AM	0.2
e4dc6114-53d4-fe80-2e89-1b..	10/26/2024 11:07:53 AM	10/26/2024 11:19:07 AM	0.2
573fc435-189d-7fc5-578a-10f..	10/29/2024 12:26:58 AM	10/29/2024 12:37:36 AM	0.2
c06999bc-fca0-ed56-8142-f63..	10/15/2024 10:14:35 PM	10/15/2024 10:25:13 PM	0.2
0333f2bf-32bd-9337-d8e4-71..	10/9/2024 7:22:31 PM	10/9/2024 7:33:06 PM	0.2
3f1dc226-34f4-9f1d-def8-56d..	10/9/2024 7:23:14 PM	10/9/2024 7:33:23 PM	0.2
710a9a27-a5a6-4883-e3e1-88..	10/16/2024 10:25:49 AM	10/16/2024 10:35:39 AM	0.2
2c47c9b5-dd08-2697-c2b7-63..	10/8/2024 1:05:57 AM	10/8/2024 1:15:10 AM	0.2
87fbde72-f058-1838-c7c9-a9..	10/8/2024 1:05:57 AM	10/8/2024 1:15:10 AM	0.2
10ee2c4a-45ca-b637-8164-d5..	10/20/2024 4:11:31 AM	10/20/2024 4:19:31 AM	0.1

RITIS | PROBE DATA ANALYTICS SUITE

User Feedback Session, Q/A & Wrap Up

Michael Pack
Director
UMD CATT Lab

Matt Glasser
National TSMO Account Lead
Arcadis
RITIS User Group Co-chair

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

Agency Input – Polling and Open Discussion

Please type your answer under the question in the pop-up box.

Poll –

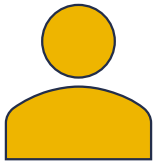
1. Is there any topic you would like to see added to a future User Group meeting?

2. Please provide detailed feedback on new features/capabilities you would like to see built out in the future.

Wrap Up

Matt Glasser
National TSMO Account Lead
Arcadis
RITIS User Group Co-chair

Questions?



Sheryl Bradley (TETC)	sbradley@tetcoalition.org
Nicole Forest (TETC)	nforest@tetcoalition.org
Michael Pack (CATT Lab)	PackML@umd.edu
RITIS Tech Support	support@ritis.org
PDA Suite Tech Support	pda-support@ritis.org