

MATOC

Metropolitan Area Transportation
Operations Coordination

MATOC & RITIS Update for MWCOG Systems Performance, Operations and Technology Subcommittee

Taran Hutchinson
Facilitator

December 5, 2024



Program Overview

- MATOC is a joint operations program between **DDOT, MDOT, VDOT, & WMATA** to improve **inter-agency** information sharing and coordination
 - Focuses on DOT **Operations** and Traffic Incident Management (TIM) topic areas
- MATOC's mission is to provide its stakeholders **situational awareness of transportation operations** in and around the National Capital Region (NCR)
- MATOC develops and implements the **tools and processes** needed to facilitate coordinated operating agency responses during incidents
- This is achieved through the **development and communication of timely and reliable information** that enables operating agencies and the traveling public to make appropriate decisions
- MATOC is **not** command and control, it is **advisory in nature** and serves as a decision support function
- Since 2010: MATOC Program has been administered through the University of Maryland Center for Advanced Transportation Technology (CATT)

Organization Overview

- The MATOC Program is governed by a **Steering Committee** and supported by several committees and working groups covering specific DOT topic areas
 - **Operations Subcommittee** focuses on roadway operations and traffic incident management topics; provides guidelines on how MATOC Operations and its center is run
 - **Information Systems Subcommittee** focuses on systems integration and technical issues and advises the Steering Committee on technical aspects of the Regional Integrated Transportation Information System (RITIS)
 - **Transit Task Force** is a forum for regional/local transit operators to discuss service coordination issues related to unplanned and planned events
 - **Severe Weather Coordination Working Group** serves as a forum for select DOT maintenance members to share and discuss mobilization and recovery plans before, during and after severe weather events
 - **MATOC Operations Center** is the operational component of the program.
 - *Regional Construction Coordination Working Group serves as a forum for DOT construction/planning representatives to share planned event information including construction activity, work zones, and special events*

MATOC Partners & Stakeholders

- **DDOT**
 - DC MPD, DC HSEMA, DC DPW, USPP, US DOT-FHWA
- **MDOT (SHA)**
 - MDTA, Montgomery County TMC, Prince George's County TRIP
- **VDOT (NoVA)**
 - Transurban, 66 Express Mobility Partners, MWAA/DTR, Dulles Greenway, & NOVA localities
- **WMATA**
 - Alexandria Transit (Dash), Arlington Transit, DC Circulator, DoD/Pentagon Shuttles (WHS), Fairfax County Connector, Fairfax City CUE Bus, Frederick County Transit, Fredericksburg Regional Transit, Loudoun County Transit, Montgomery County RideOn, MDOT MTA Commuter Bus, MDOT MTA MARC Train, Prince George's County The Bus, PRTC OmniRide, RTA of Central Maryland, Shuttle-UM, Virginia Rail Express (VRE), Virginia DRPT
- **MWCOG/TPB & UMD CATT/CATT Lab**
 - MWCOG DHSPS, Eastern Transportation Coalition
- **Regional Homeland Security Watch Desks**
 - NCR Watch Desk (DC HSEMA), FEMA-ONCRC Watch Desk, & local EMAs
- **Relationships: National Weather Service, National Park Service, US OPM, WTOP Traffic**

MATOC Operations Center



Hours of Operation:

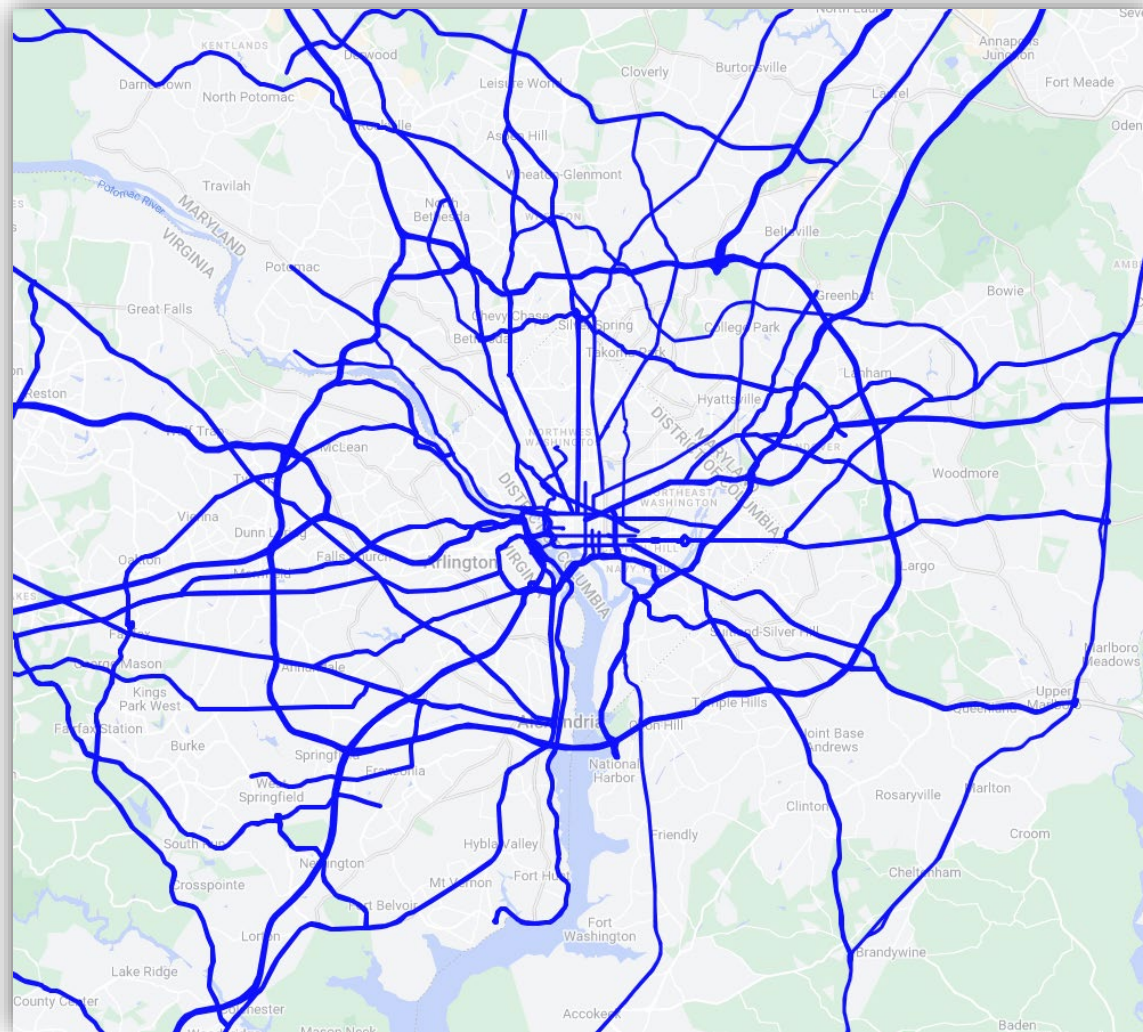
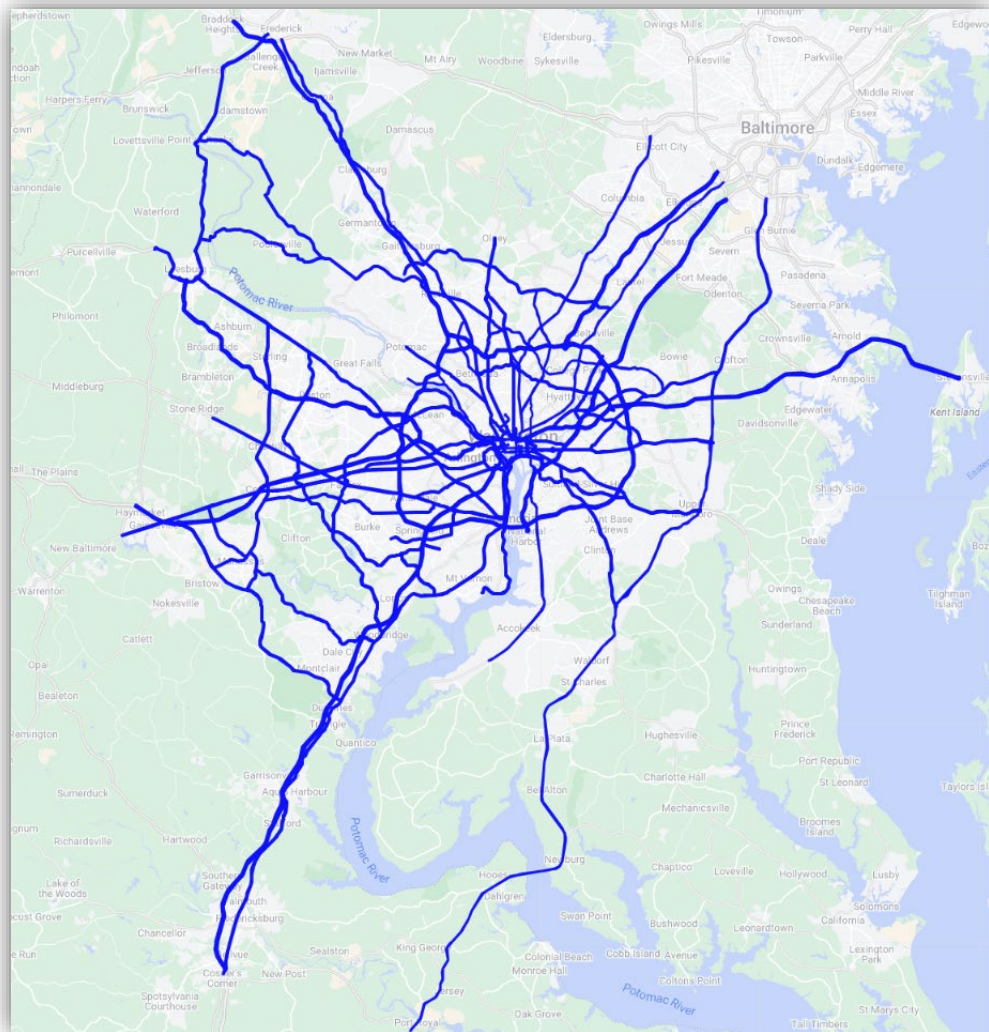
- Monday-Friday, 4:30am-8:00pm
- On-Call after hours and weekends; rotating schedule
- Able to ramp up to 24/7 coverage
- Five staff; two frontline operators and three in support roles

- MATOC Staff regularly communicates with area transportation, public safety operations centers and watch desks on a daily basis
- Serves as a transportation watch desk & information clearing house for its stakeholders



Metropolitan Area Transportation Operations Coordination

MATOC's Area of Interest (National Capital Region "+1")



MATOC's Triggers and Incident Classifications

- **Triggers**

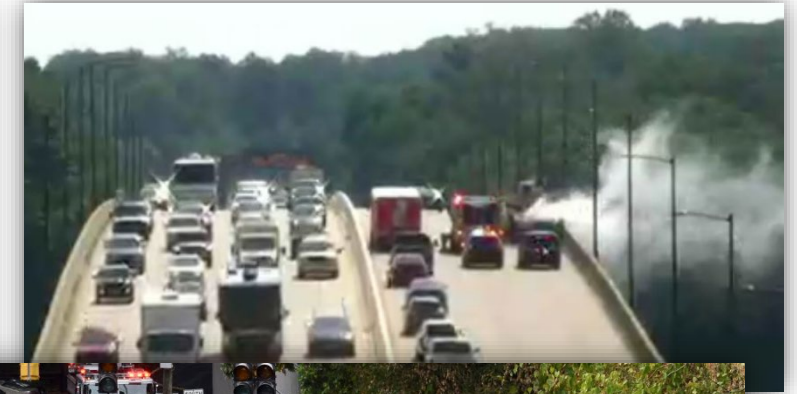
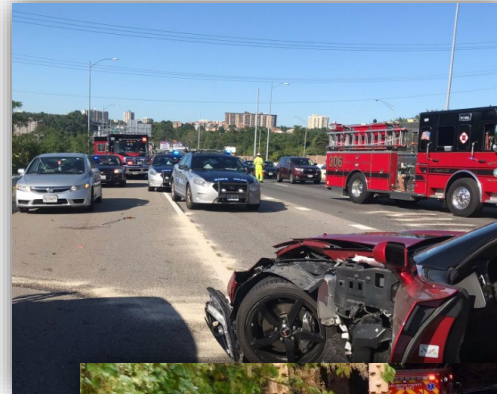
- Capacity: **50%** travel lanes blocked
- Incident Duration: **>30** minutes
- Queue: **>4** miles (freeways)

- **Institutional knowledge**

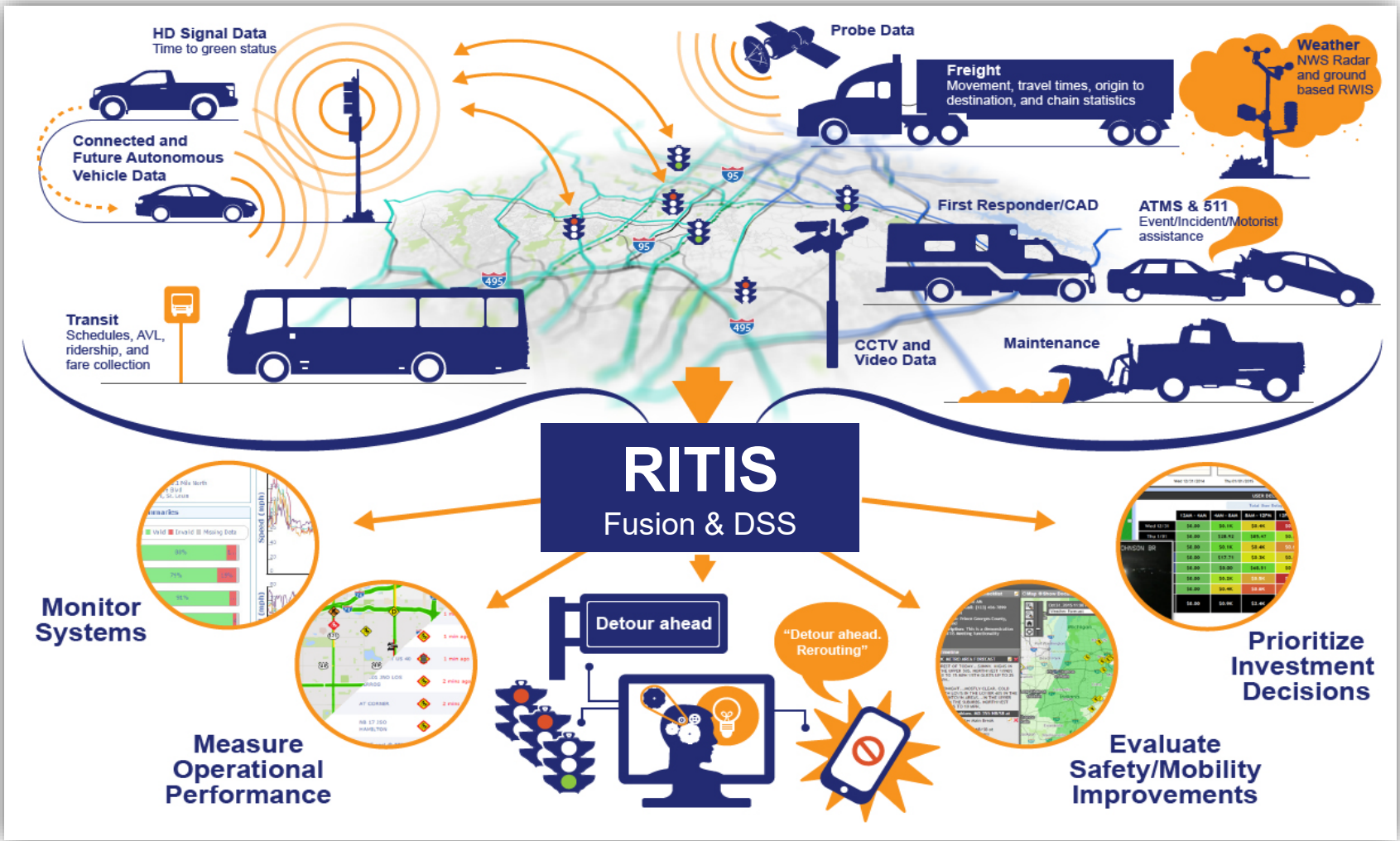
- Operator experience and intuition
- Probe speed data
- Incident response activity

- **Incident Classification**

- **Minor** (<30min)
- **Intermediate** (>30min to 2hrs)
- **Major** (>2hrs)



Regional Integrated Transportation Information System



Regional Integrated Transportation Information System

The screenshot displays the RITIS dashboard interface. On the left, there are live camera feeds of various roadways. The main map area shows traffic conditions with color-coded overlays (green for normal, yellow for caution, red for delay) and incident markers. Several incident pop-ups are visible, including one for a disabled vehicle on I-66W west at MM 50.000, which started at 7:06 PM and was updated at 7:21 PM. Another incident is shown on I-495 Outer Loop at Exit 30 US 29, starting at 7:18 PM. A third incident is on I-66 at mile marker 50 in Fairfax County, starting at 7:18 PM. A chart titled 'MDOT Detector (CHART)' shows data for 'Unknown on MD 295 NORTH AT GREENBELT RD' with a reference speed of 55 mph, average speed of 51 mph, volume of 226 veh/min, and 2 lanes. A table for 'Addison road-seat Pleasant' lists destinations and travel times. A travel time calculator shows 'I-395 VIA I-95S' taking 7 miles in 13 minutes. An 'INRIX Probe Data' chart shows speed and volume for 'I-95 S(I-95) Southbound @ EXIT 163'. On the right, a 'Hide Layer List' panel includes options for Future Events, Dynamic Message Signs, Incidents and Events, Traffic Cameras, Traffic Detectors, Road Weather, Radio Scanners, FITM Plans, Public Transit, Evacuation Support, Fleets, and Montgomery County. A 'Radio Feeds' section lists various emergency services like Fairfax County Police and Fire.

OPS - VA - I-95 Dashboard

+ Add widget Select a dashboard...

Virginia: I-95 Corridor (Between VA-123 & I-495)

Corridor	Average Speed			Travel Time		
	Differential	Current	Historic	Differential	Current	Historic
I-95 SB between I-395/I-495 and VA-123/Exit 160	↓ 14	19 mph	33 mph	↑ 15	36 m	21 m
I-95 NB between VA-123/Exit 160 and I-395/I-495	↑ 3	65 mph	62 mph	↓ 1	10 m	11 m
I-95 (HOV) NB between VA-123/Exit 160 and Franconia Rd/Exit 169	0	62 mph	62 mph	0	10 m	10 m
I-95 (HOV) SB between Franconia Rd/Exit 169 and VA-123/Exit 160	↓ 1	69 mph	70 mph	0	9 m	9 m
US-1 NB between VA-123/Gordon Blvd and I-495/I-95	↑ 1	32 mph	31 mph	0	30 m	30 m
US-1 SB between I-495/I-95 and VA-123/Gordon Blvd	↓ 3	26 mph	29 mph	↑ 4	37 m	33 m

Using INRIX data Updated Aug 9, 2021 4:31 PM (2s ago)

Virginia: I-95 Corridor (Between VA-610 & I-495)

Corridor	Average Speed			Travel Time		
	Differential	Current	Historic	Differential	Current	Historic
I-95 SB between US-1/VA-610/Exit 143 and I-395/I-495	↓ 22	23 mph	45 mph	↑ 35	1 h 13 m	38 m
I-95 NB between US-1/VA-610/Exit 143 and I-395/I-495	↓ 7	56 mph	63 mph	↑ 4	33 m	29 m
I-95 (HOV) NB between I-95 (SOUTH) and Franconia Rd/Exit 169	0	51 mph	51 mph	0	29 m	29 m
I-95 (HOV) SB between I-95 (SOUTH) and Franconia Rd/Exit 169	↓ 2	69 mph	71 mph	0	22 m	22 m
US-1 NB between VA-610/Garrisonville Rd and I-495/I-95	↑ 1	34 mph	33 mph	↓ 1	1 h 3 m	1 h 4 m
US-1 SB between VA-610/Garrisonville Rd and I-495/I-95	↓ 4	26 mph	30 mph	↑ 11	1 h 17 m	1 h 6 m

Using INRIX data Updated Aug 9, 2021 4:31 PM (2s ago)

Virginia: I-95 Corridor (Between VA-234 & VA-123)

Corridor	Average Speed			Travel Time		
	Differential	Current	Historic	Differential	Current	Historic
I-95 SB between VA-123/Exit 160 and VA-234/Exit 152	↓ 21	32 mph	53 mph	↑ 6	15 m	9 m
I-95 NB between VA-234/Exit 152 and VA-123/Exit 160	↑ 5	65 mph	60 mph	0	8 m	8 m
I-95 (HOV) NB between VA-234/Exit 152 and VA-123/Exit 160	↑ 2	54 mph	52 mph	↓ 1	9 m	10 m
I-95 (HOV) SB between VA-123/Exit 160 and VA-234/Exit 152	0	70 mph	70 mph	0	7 m	7 m
US-1 NB between VA-234/Dumfries Rd and VA-123/Gordon Blvd	↑ 1	31 mph	30 mph	↓ 1	14 m	15 m
US-1 SB between VA-123/Gordon Blvd and VA-234/Dumfries Rd	↓ 5	20 mph	25 mph	↑ 4	22 m	18 m

Using INRIX data Updated Aug 9, 2021 4:31 PM (5s ago)

Virginia: I-95 Corridor Between Fredericksburg & Capital Beltway

Corridor	Average Speed			Travel Time		
	Differential	Current	Historic	Differential	Current	Historic
I-95 SB between I-395/I-495 and Stafford/Fredericksburg Co Line	↓ 24	23 mph	47 mph	↑ 52	1 h 42 m	50 m
I-95 NB between Stafford/Fredericksburg Co Line and I-395/I-495	↓ 10	54 mph	64 mph	↑ 6	43 m	37 m
I-95 (HOV) NB between I-95 (NORTH) and Franconia Rd/Exit 169	0	51 mph	51 mph	0	28 m	28 m
I-95 (HOV) SB between Franconia Rd/Exit 169 and I-95 (SOUTH)	↓ 2	69 mph	71 mph	0	22 m	22 m
US-1 NB between US-17/VA-212/Warrenton Rd and I-495/I-95	↓ 2	32 mph	34 mph	↑ 4	1 h 22 m	1 h 18 m
US-1 SB between I-495/I-95 and US-17/VA-212/Warrenton Rd	↓ 6	26 mph	32 mph	↑ 16	1 h 39 m	1 h 23 m

Using INRIX data Updated Aug 9, 2021 4:31 PM (2s ago)

Virginia: I-95 Corridor (Between VA-610 & VA-234)

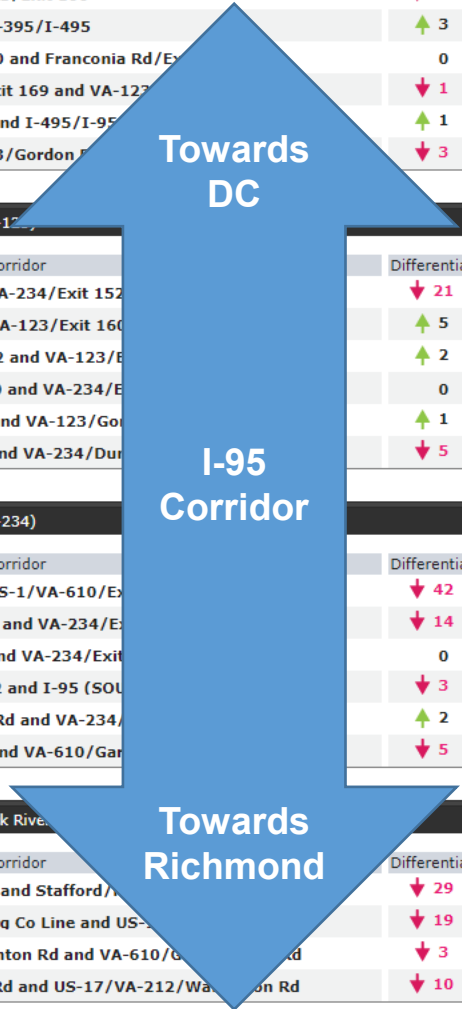
Corridor	Average Speed			Travel Time		
	Differential	Current	Historic	Differential	Current	Historic
I-95 SB between VA-234/Exit 152 and US-1/VA-610/Exit 143	↓ 42	22 mph	64 mph	↑ 17	26 m	9 m
I-95 NB between US-1/VA-610/Exit 143 and VA-234/Exit 152	↓ 14	51 mph	65 mph	↑ 3	12 m	9 m
I-95 (HOV) NB between I-95 (NORTH) and VA-234/Exit 152	0	41 mph	41 mph	0	11 m	11 m
I-95 (HOV) SB between VA-234/Exit 152 and I-95 (SOUTH)	↓ 3	68 mph	71 mph	0	8 m	8 m
US-1 NB between VA-610/Garrisonville Rd and VA-234/Dumfries Rd	↑ 2	40 mph	38 mph	↓ 1	14 m	15 m
US-1 SB between VA-234/Dumfries Rd and VA-610/Garrisonville Rd	↓ 5	34 mph	39 mph	↑ 2	17 m	15 m

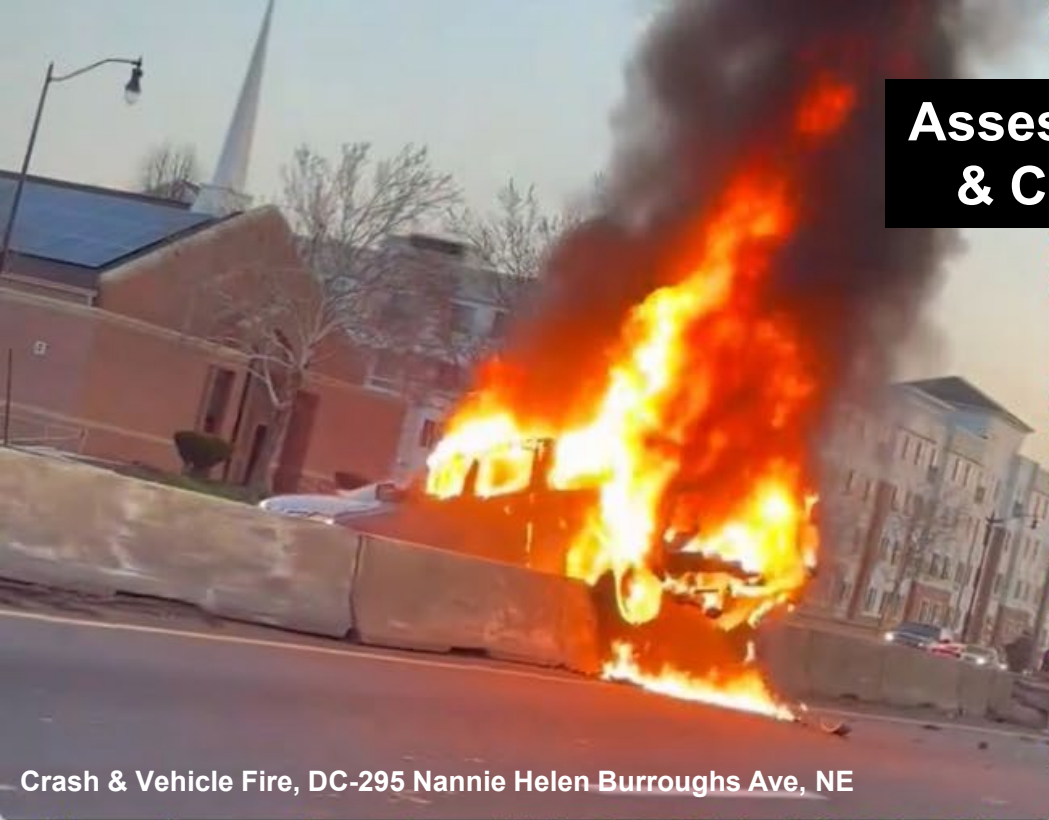
Using INRIX data Updated Aug 9, 2021 4:31 PM (5s ago)

Virginia: I-95 Corridor Between Rappahannock River & Capital Beltway

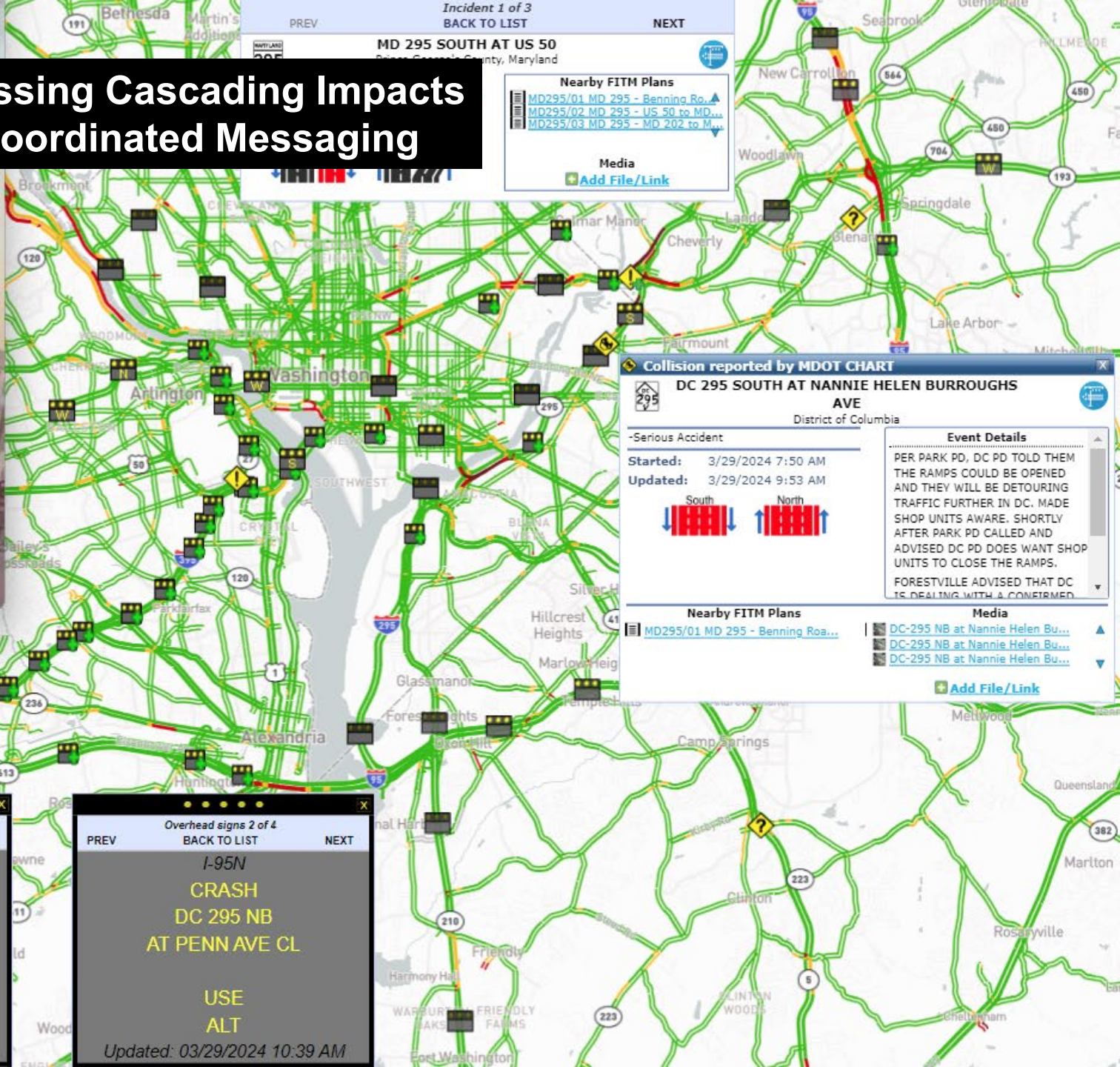
Corridor	Average Speed			Travel Time		
	Differential	Current	Historic	Differential	Current	Historic
I-95 SB between US-1/VA-610/Exit 143 and Stafford/Fredericksburg Co Line	↓ 29	23 mph	52 mph	↑ 17	30 m	13 m
I-95 NB between Stafford/Fredericksburg Co Line and US-1/VA-610/Exit 143	↓ 19	47 mph	66 mph	↑ 5	15 m	10 m
US-1 NB between US-17/VA-212/Warrenton Rd and VA-610/Garrisonville Rd	↓ 3	36 mph	39 mph	↑ 1	18 m	17 m
US-1 SB between VA-610/Garrisonville Rd and US-17/VA-212/Warrenton Rd	↓ 10	28 mph	38 mph	↑ 6	23 m	17 m

Using INRIX data Updated Aug 9, 2021 4:31 PM (5s ago)





Assessing Cascading Impacts & Coordinated Messaging



Crash & Vehicle Fire, DC-295 Nannie Helen Burroughs Ave, NE

Incident 1 of 3
BACK TO LIST NEXT

Nearby FITM Plans

- MD295/01 MD 295 - Benning Ro...
- MD295/02 MD 295 - US 50 to MD...
- MD295/03 MD 295 - MD 202 to M...

Media
Add File/Link

Collision reported by MDOT CHART

DC 295 SOUTH AT NANNIE HELEN BURROUGHS AVE
District of Columbia

-Serious Accident

Started: 3/29/2024 7:50 AM
Updated: 3/29/2024 9:53 AM

South ↓ North ↑

Event Details

PER PARK PD, DC PD TOLD THEM THE RAMP'S COULD BE OPENED AND THEY WILL BE DETOURING TRAFFIC FURTHER IN DC. MADE SHOP UNITS AWARE. SHORTLY AFTER PARK PD CALLED AND ADVISED DC PD DOES WANT SHOP UNITS TO CLOSE THE RAMP'S. FORESTVILLE ADVISED THAT DC IS DEALING WITH A CONFIRMED

Nearby FITM Plans

- MD295/01 MD 295 - Benning Roa...

Media

- DC-295 NB at Nannie Helen Bu...
- DC-295 NB at Nannie Helen Bu...
- DC-295 NB at Nannie Helen Bu...

Add File/Link

Overhead signs 1 of 2
BACK TO LIST NEXT

I-95N

**CRASH
DC 295 NB
AT PENN AVE CL**

USE
ALT

Updated: 03/29/2024 10:42 AM

Overhead signs 2 of 4
BACK TO LIST NEXT

I-95N

**CRASH
DC 295 NB
AT PENN AVE CL**

USE
ALT

Updated: 03/29/2024 10:39 AM

MView: Regional CCTV Sharing Platform (DC, MD, VA, PA, DE, NJ)

Search for markers

REGIONS

- Global
- MD Annapolis - City PD/EM/DOT
- MD Anne Arundel - County DPWT
- MD Baltimore City DOT
- MD CAP - Civil Air Patrol
- MD Gaithersburg City and PD, Montgomery Co
- MD Harford County DPWT, Sheriff, EM/911/Public Safety
- MD Howard County PD, OEM-EOC, Gov, and FD
- MD MDTA - Maryland Transportation Authority
- MD Montgomery County DOT
- MD MPA - Maryland Port Administration
- MD MSA - Maryland Stadium Authority
- MD Ocean City - PD, Worcester Co
- MD Prince George's County DPWT
- MD SHA - State Highway Administration
- MD St Mary's County EM & Sheriff
- MD UNIV/COLL - UB University of Baltimore
- MView
- NJDOT - New Jersey Department of Transportation
- PA PennDOT - Pennsylvania Department of Transportation



4 15th St. and Constitution Ave. N.W.



5 17th St. and Constitution Ave. N.W.



6 23rd & Constitution St. N.W.



7 I-395 / MM 9.61 / NB (Fairfax)



8 I-66 / MM 75 / EB (Fairfax)



9 I-495 / MM 42.6 / NB (Fairfax)



VDOT Claris: CCTV Sharing Platform for Public Sector Partners

/ MM 176.5 / SB



1 I-95 / MM 176.5 / SB



2 I-95 / MM 176.5 / SB



3 I-95 / MM 176.5 / SB



4 I-95 / MM 176.5 / SB



5 I-95 / MM 176.5 / SB



6 I-95 / MM 176.5 / SB



7 I-95 / MM 176 / SB



8 I-95 / MM 175.4 / SB



9 I-95 / MM 174.8 / SB



10 I-95 / MM 174.5 / SB



11 I-95 / MM 174.1 / SB



12 I-95 / MM 173.3 / NB



13 I-95 / MM 173 / SB



14 I-95 / MM 171.9 / NB



15 I-95 / MM 171 / NB



16 I-95 / MM 171.2 / SB



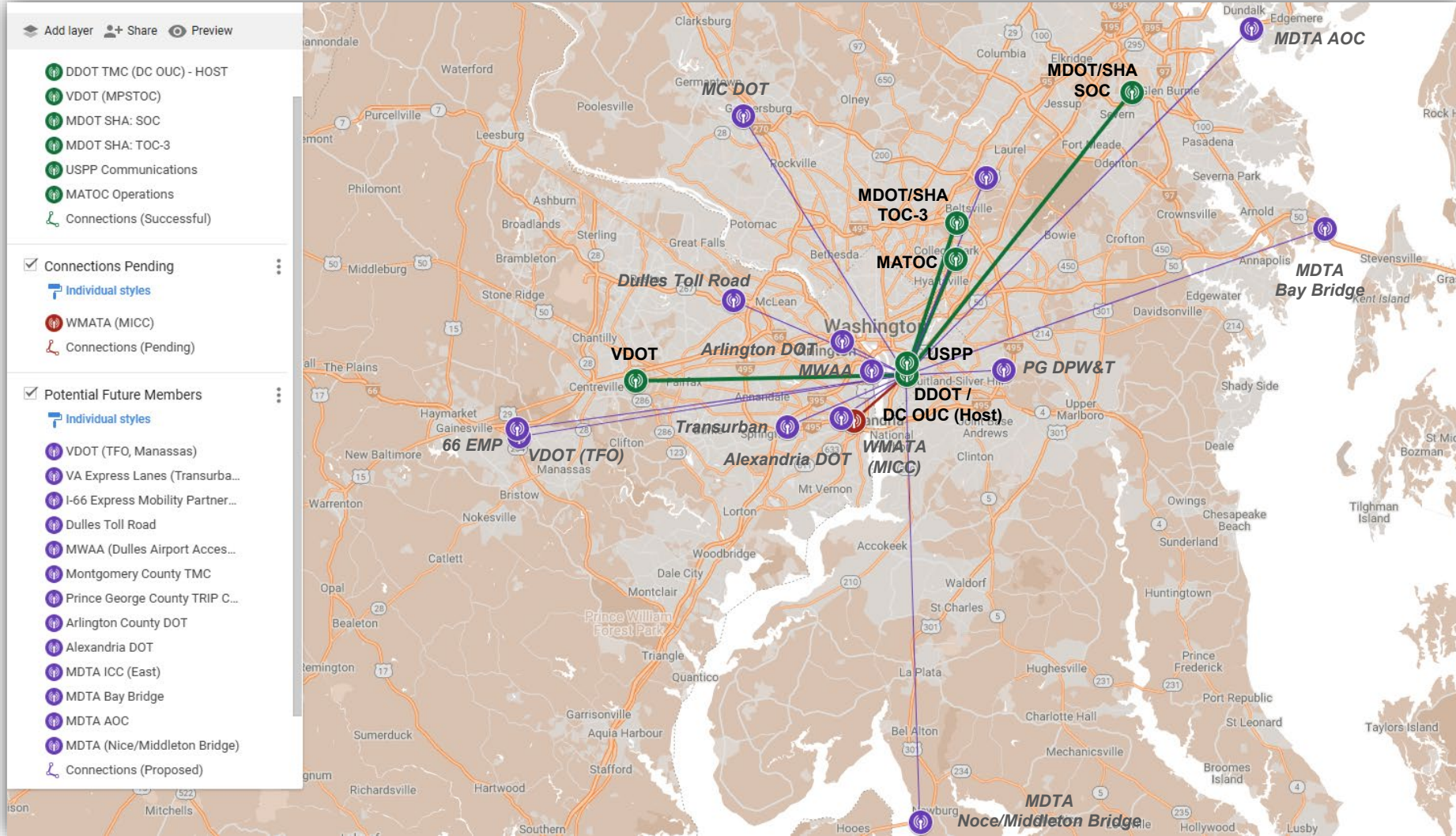
17 I-495 / MM 56.5 / SB



18 I-495 / MM 57 / SB



Transportation Mutual Aid Radio System (TMARS) Center-to-Center Radio Communications





Metropolitan Area Transportation Operations Coordination

Recent Challenges: Radio Communications

RITIS Radio Scanners

The RITIS Radio Scanners interface displays a list of radio feeds organized into four geographical sections:

- Fairfax, Virginia, USA:** Includes feeds for Metropolitan Washington Airports Authority (MWAA) Public Safety, Fairfax County Fire and Rescue, Fairfax County Police, Fire and EMS, Devision Army Air Field and JB Andrews Tower, Central Maryland Repeater Group, Franconia Area Railroad - AMTK, CSX, NS, and George Mason University Public Safety.
- Loudoun County, Virginia, USA:** Includes Loudoun County Combined Fire Rescue, Metropolitan Washington Airports Authority (MWAA) Public Safety, Central Maryland Repeater Group, Loudoun County Sheriff, WB4EFW 145.185 MHz Repeater, and WB4EFW Repeater.
- Montgomery County, Maryland, USA:** Includes Montgomery County Police Dispatch - District 1D, Central Maryland Repeater Group, Montgomery County Police Dispatch - District 2D, Montgomery County Police Dispatch - District 6D, Montgomery County Police Dispatch - District 4D, Montgomery County Police Dispatch - District 3D, CSX Metropolitan Line - Kensington, and Montgomery County Police Dispatch - District 5D.
- District of Columbia, USA:** Includes Metropolitan Washington Airports Authority (MWAA) Public Safety, Washington DC Area Rail, Central Maryland Repeater Group, Mutual Aid MD-DC FMARS-RNS-NFOG-7TAC-STAC, and WMATA MetroRail.

Broadcastify

The Broadcastify interface shows a grid of six radio feeds, each with a status indicator, listener count, and playback controls:

- 1. Fairfax County Fire and Rescue:** Feed Status: Online, Listeners: 15.
- 3. Loudoun County Combined Fire Rescue:** Feed Status: Online, Listeners: 19.
- 5. Metropolitan Washington Airports Authority (MWAA) Pu...:** Feed Status: Online, Listeners: 3.
- 2. VA STARS VSP Divisions 1, 2, 3, and 7:** Feed Status: Online, Listeners: 0.
- 4. Frederick County Sheriff, Fire and EMS, State Police:** Feed Status: Online, Listeners: 102.
- 6. Prince William County Police and Fire:** Feed Status: Online, Listeners: 67.

OpenMHZ

The OpenMHZ interface displays two tables of radio talkgroup data:

Washington Metropolitan Area Transit Authority










Len	Talkgroup	Time
3	Bus Ops 1 (supervisors)	6:34:17 PM
1	Train Operators - Red Line	6:34:12 PM
2	Bus Ops 1 (supervisors)	6:34:06 PM
0	Station Managers	6:33:58 PM
16	Rail Supervisors - Red Line?	6:33:47 PM
3	Brentwood Yard 1	6:33:40 PM
18	Greenbelt Yard 1	6:33:39 PM


Loudoun County


Len	Talkgroup	Time
9	LCFR 6B Response	6:31:36 PM
2	LCFR 6B Response	6:31:30 PM
4	LCFO Sterling Dispatch	6:31:22 PM
8	LCFR 6B Response	6:31:02 PM
8	Leesburg Police Dispatch	6:30:11 PM
1	LCFO Round Hill Tac 1	6:30:02 PM
2	Leesburg Police Dispatch	6:30:02 PM
0	LCFO Round Hill Tac 1	6:30:00 PM
3	LCFR 6B Response	6:29:56 PM
10	LCFR 6B Response	6:29:43 PM





Fire Department CAD Information

	Medical Emergency WISCONSIN AVE NW, WASHINGTON, DC E20 M05	10:34 AM Today
	Medical Emergency DORSEY RD, HANOVER, MD E211 MU29	10:32 AM Today
	Fire Alarm 2720 GREEN ASH, WOODBRIDGE, VA E520BM R510	10:31 AM Today
	Fire Alarm 638 MAINE AVE SW, WASHINGTON, DC E07 T04 T10	10:31 AM Today
	Medical Emergency KENILWORTH TER NE, WASHINGTON, DC A27	10:30 AM Today
	Medical Emergency METZEROTT RD, HYATTSVILLE, MD TGA1	10:30 AM Today
	Fire Alarm 800 16TH ST NW, WASHINGTON, DC (HOTEL - HAY ADAMS - 800 16 ST NW) E16 T02	10:29 AM Today
	Medical Emergency GLEN MAR RD, GLEN BURNIE, MD E261 MU33 TK26	10:28 AM Today
	Commercial Fire 7940 JONES BRANCH DR, MCLEAN, VA (PENFED CREDIT UNION) BC404 BC405 DC402 E103M E401M E418M E425M E428M EMS404 M413 PE710 R439M SAF401 SAF402 TL429M TT410M	10:28 AM Today



Filter Incidents 


Live Radio 


Unit Status 


Current Filters
 Agencies (7)
 Incident Types (All)


ACTIVE INCIDENTS (86)


RECENT INCIDENTS (609)


MAP VIEW 


Map 

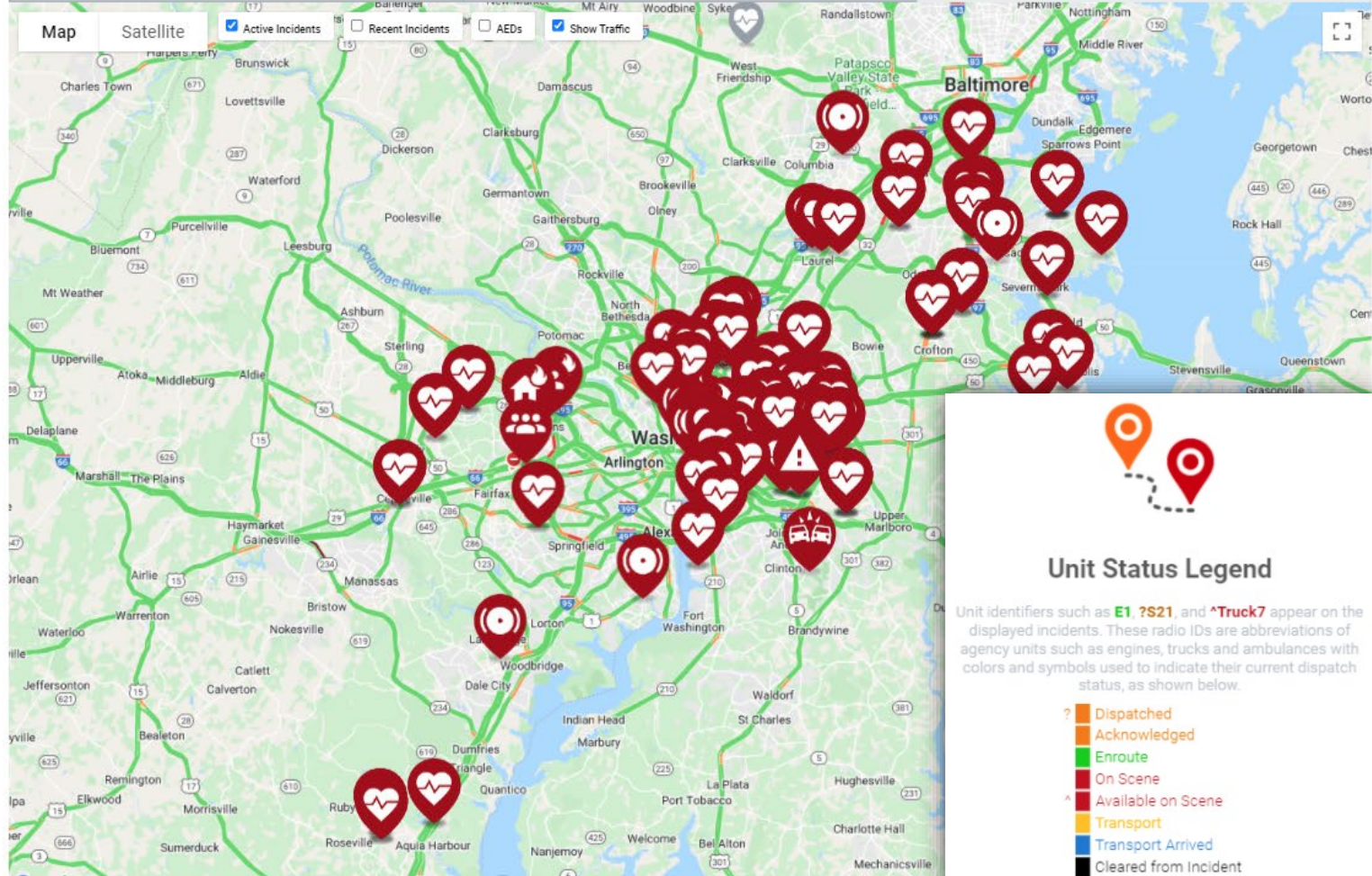
Satellite 

Active Incidents 

Recent Incidents 

AEDs 

Show Traffic 



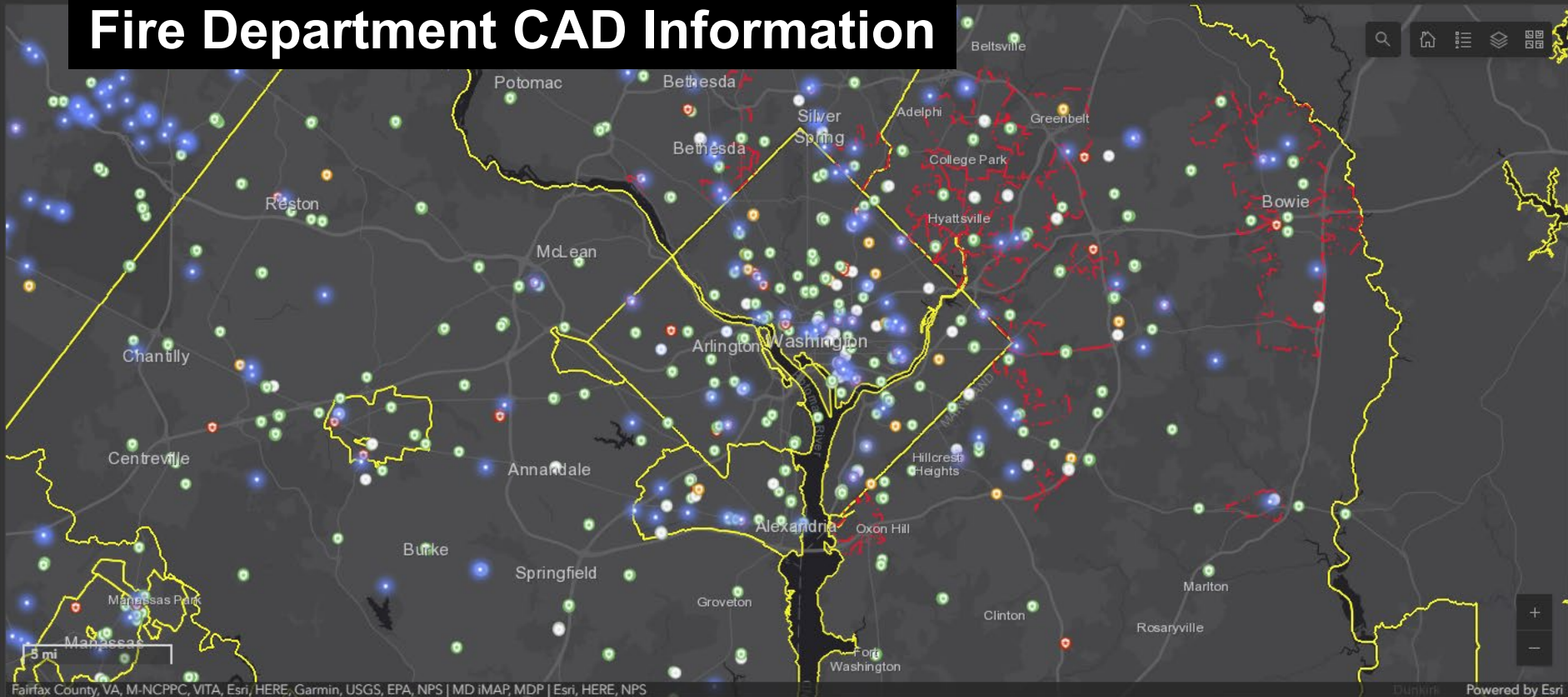
Unit Status Legend

Unit identifiers such as **E1**, **?S21**, and **^Truck7** appear on the displayed incidents. These radio IDs are abbreviations of agency units such as engines, trucks and ambulances with colors and symbols used to indicate their current dispatch status, as shown below.

- ? Dispatched
- ^ Acknowledged
- E Enroute
- On Scene
- ^ Available on Scene
- T Transport
- Transport Arrived
- Cleared from Incident

Click on the blue arrow on the left side of this page for filtering options.
All dashboard widgets may be expanded by clicking button in upper right.

Fire Department CAD Information

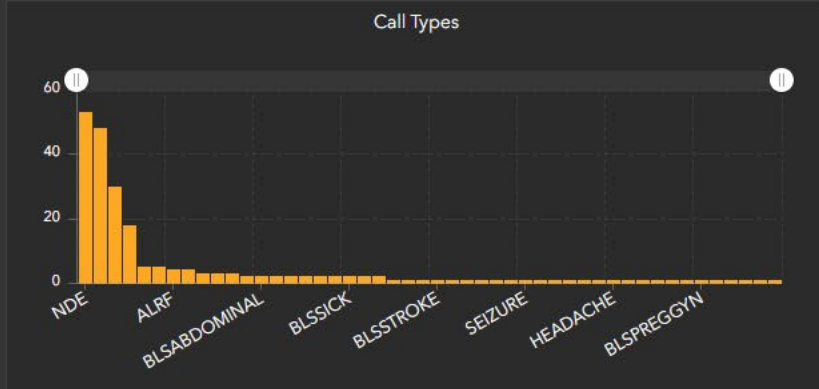


Active Calls

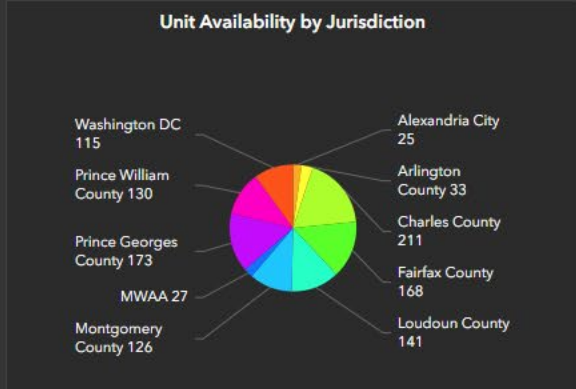
223

- 4/22/2024, 10:04 AM
Jurisdiction: Prince Georges County
4418 NATAHALA DR
BLS AMB
Units:
- 4/22/2024, 10:04 AM
Jurisdiction: Fairfax County
7614 RICHMOND HWY ALEX
EMS LEVEL 1 Remarks:
Units:
- 4/22/2024, 10:03 AM
Jurisdiction: Fairfax County
8519 TUTTLE RD SFLD
FIRE ALARM: COMMERCIAL Remarks:
Units:
- 4/22/2024, 10:03 AM
Jurisdiction: Alexandria City
105 N Union St
ANIMAL COMPLAINT
Units:
- 4/22/2024, 10:02 AM
Jurisdiction: Washington DC
4500 40TH ST NW DC
ACCIDENT-INJURIES/UNKNOWN
Units: E31 | A28
- 4/22/2024, 10:02 AM
Jurisdiction: Loudoun County
42955 ADAGIO ASHWOOD DR
TROUBLE BREATHING
Units: M609C AE619
- 4/22/2024, 10:02 AM

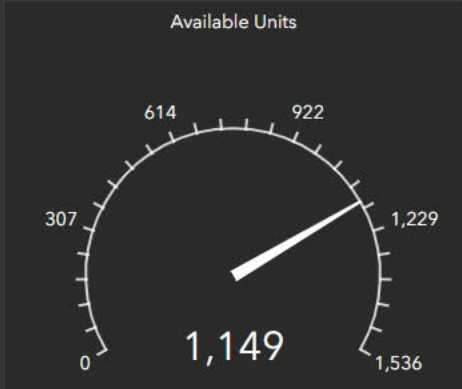
Active Calls | Active Units | Mutual Aid Incidents

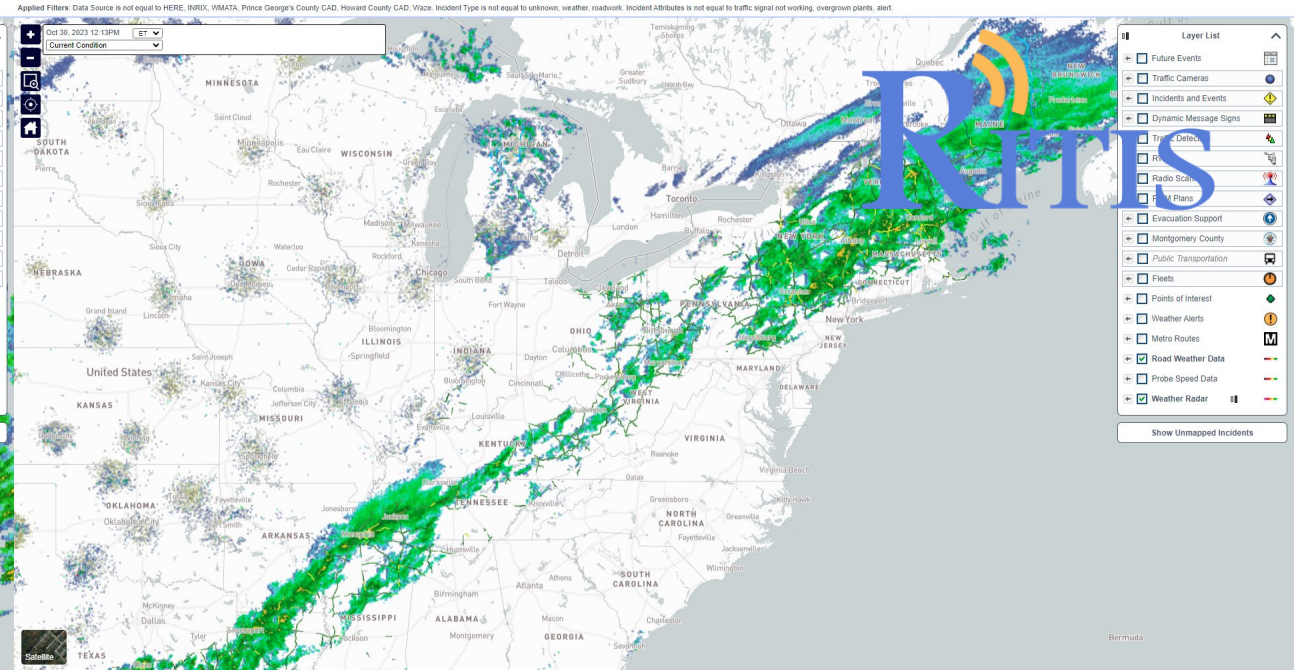
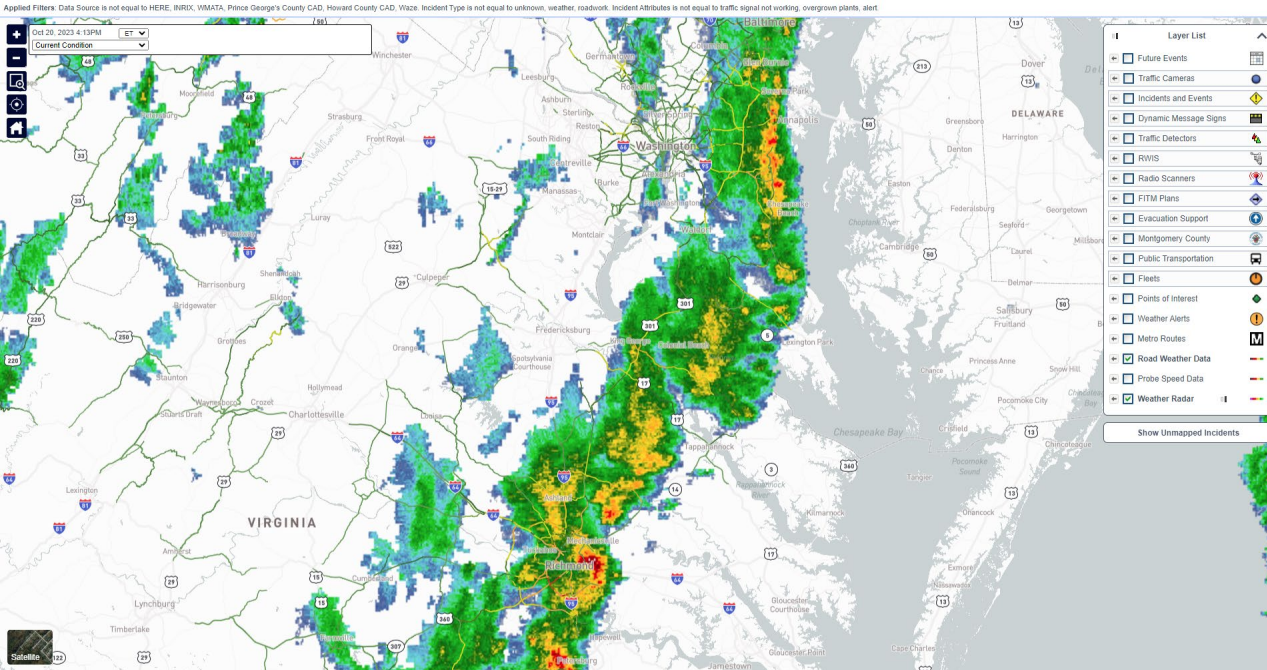


Mouse over bars to view label or click bar(s) to filter map for call type.

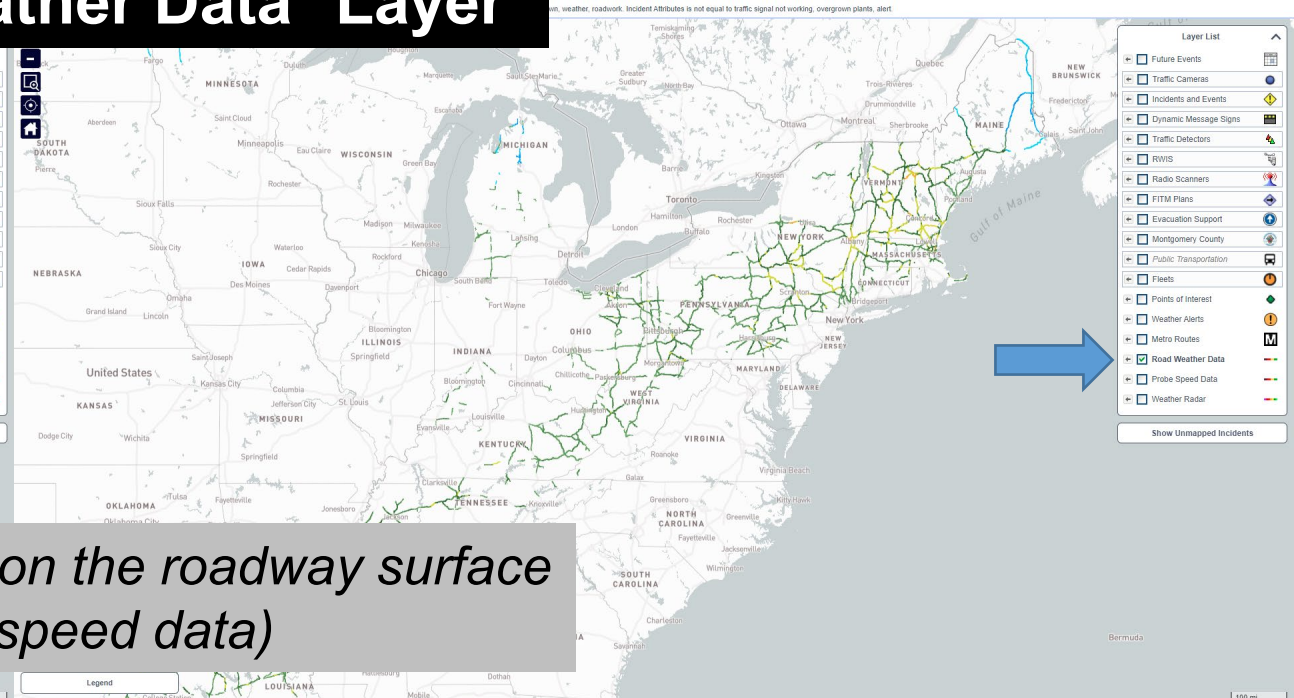
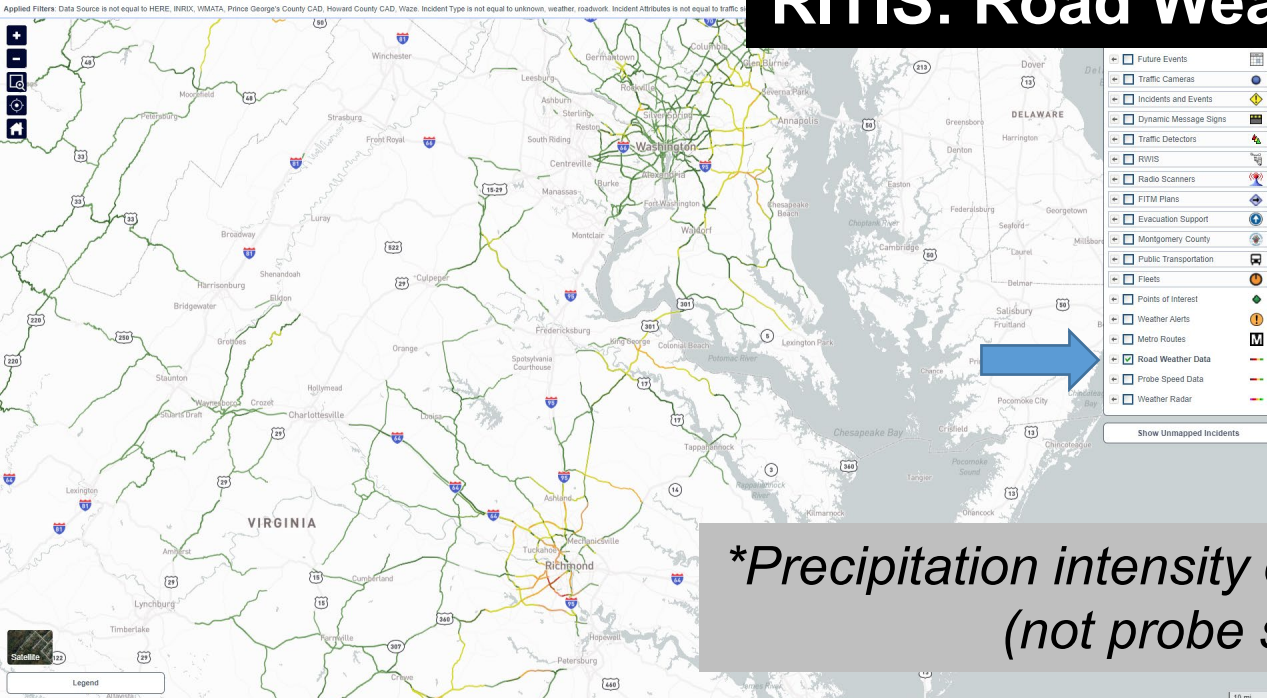


Click wedge(s) to filter map by jurisdiction(s).





RITIS: Road Weather Data* Layer



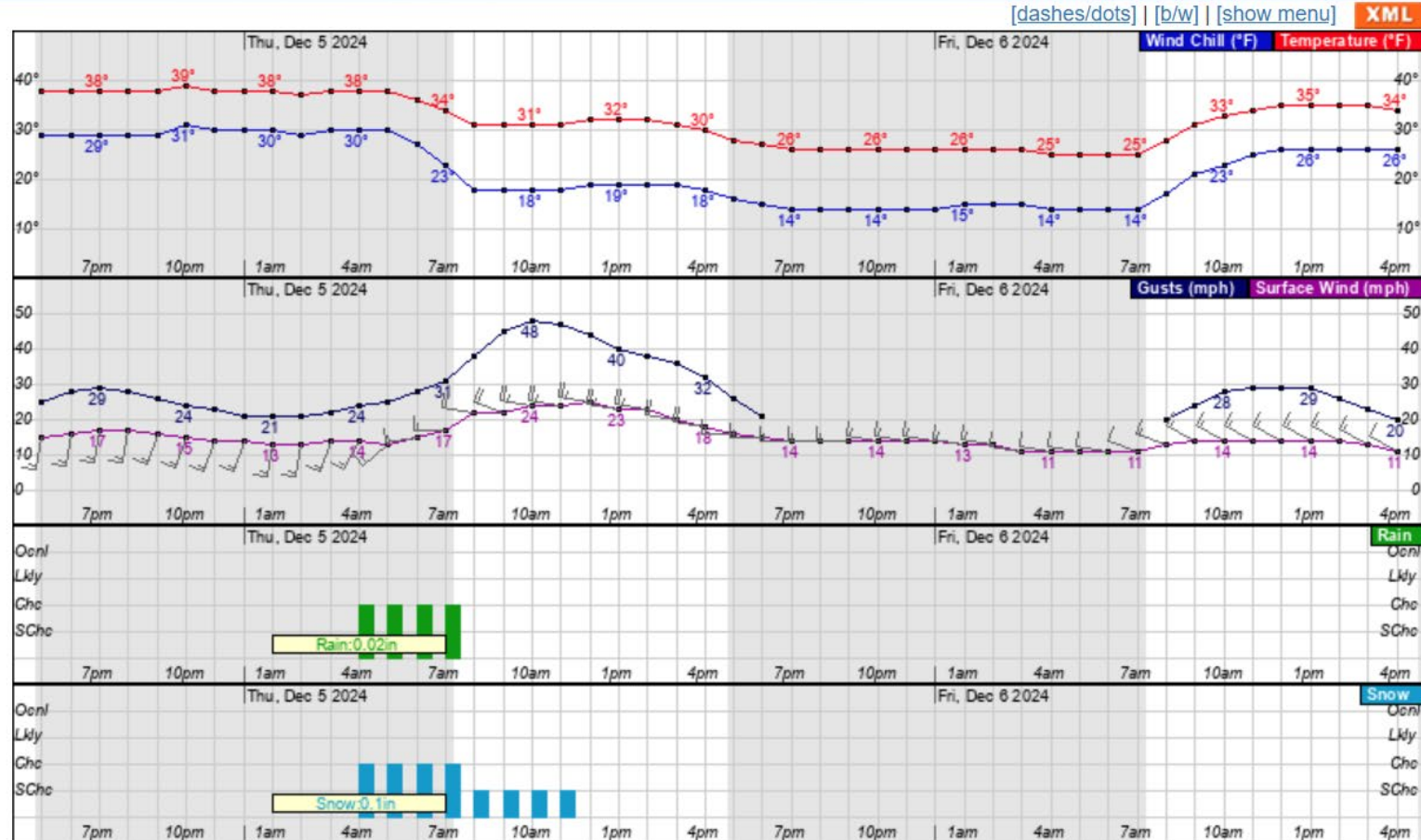
**Precipitation intensity on the roadway surface
(not probe speed data)*

Challenges: Pavement Temperature Forecasts (NWS Weather Graph)

Point Forecast: Adamstown MD
39.29N 77.47W (Elev. 299 ft)

Last Update: 3:30 pm EST Dec 4, 2024

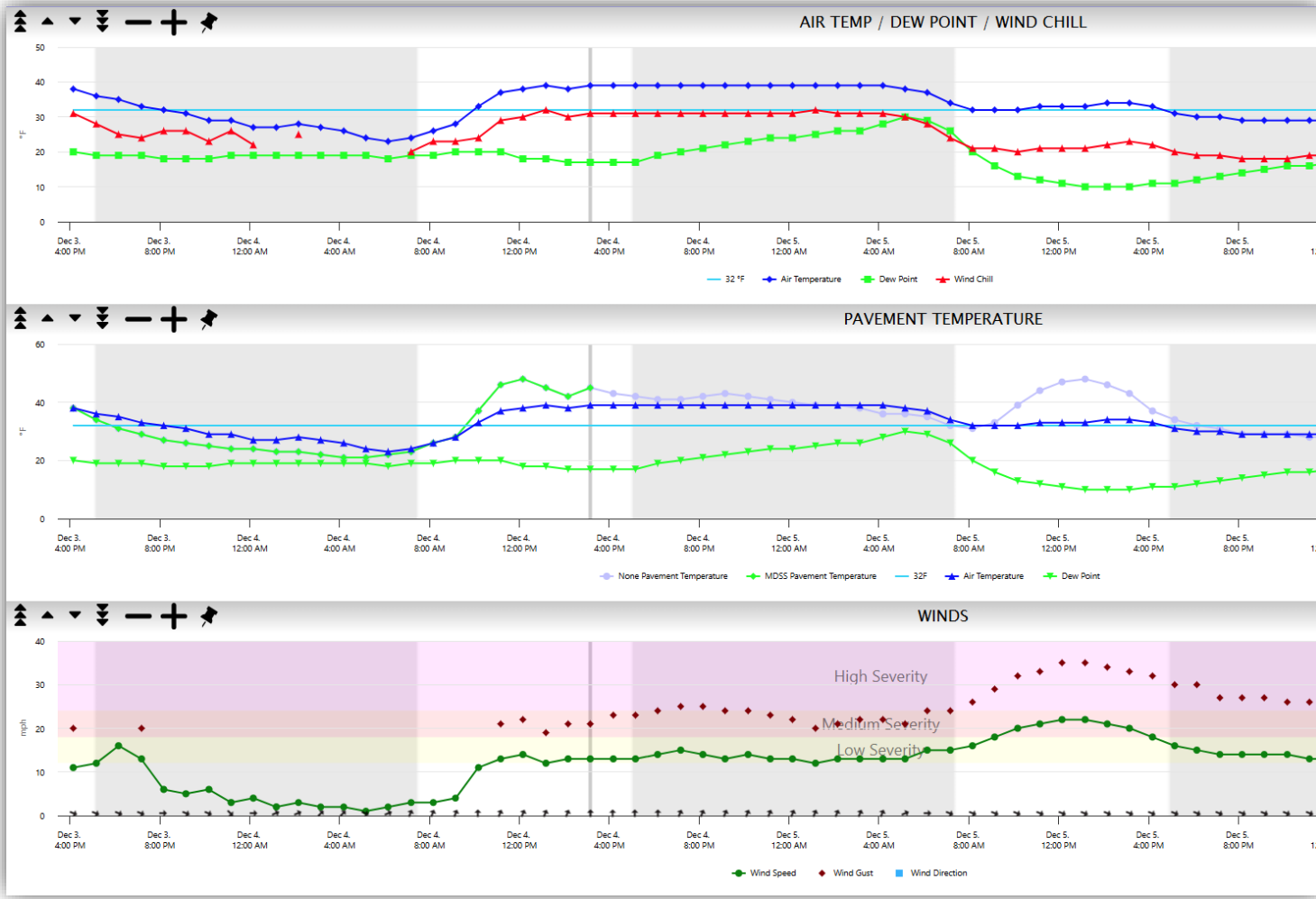
Hourly Weather Forecast Graph





Metropolitan Area Transportation Operations Coordination

Challenges: Pavement Temperature Forecasts (DTN ClearPath Weather)



Inclement Weather - Roadway Temperature Impact Summary
Wed December 4th 2024, 3:00 pm

	Wed			Thu				
	3p-5p	6p-8p	9p-11p	12a-2a	3a-5a	6a-8a	9a-11a	12p-2p
Bristol	50/36	42/35	42/33	41/34	40/33	37/25	44/24	50/36
Culpeper	51/38	41/35	40/36	39/35	41/34	40/30	50/34	53/43
Fredericksburg	53/43	44/37	41/37	41/37	41/35	41/35	56/41	58/50
Hampton Roads	55/43	45/35	42/33	44/33	44/33	43/33	57/43	61/53
Lynchburg	55/41	40/36	39/35	40/35	40/34	40/36	52/39	56/50
Northern Virginia	50/41	43/38	43/38	41/36	41/34	39/28	47/30	52/44
Richmond	55/41	44/34	39/34	40/34	38/33	41/34	55/42	58/53
Salem	51/36	40/32	40/33	40/35	42/35	40/27	49/31	53/38
Staunton	46/36	40/35	40/30	38/30	39/29	37/19	45/21	48/33

-40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115



Metropolitan Area Transportation Operations Coordination

Challenges: Planned Events

MATOC About Us Traveler Information Regional Event Calendar Contact Us

Major Planned Events, Lane Closures, and Service Changes that may affect the traveling public in and around the National Capital Region

Notable/Major Upcoming Events

- DEC 5: [The National Christmas Tree Lighting Ceremony, Washington, DC](#)
- DEC 14: [Army-Navy Football Game, Landover, MD](#)
- DEC 20 - 30: [Temporary Closure of Metrorail Blue, Orange, and Silver Line Stations for Maintenance, Washington, D.C.](#)
- DEC 28: [Military Bowl, Annapolis, MD](#)
- JAN 20: [Presidential Inauguration, Washington, DC](#)
- JAN 24: [March for Life, Washington, DC](#)
- JAN 24 - 26: 495Next Project Weekend Lane Shift For Bridge Construction, McLean/Tysons, VA

- Information for I-695 (Southeast Corridor) Closure & Francis Scott Key Memorial Bridge Collapse**
 - [Key Bridge Response \(Joint Information Center\)](#)
 - [MDTA Key Bridge Updates](#)

Calendar

Today < > November 2024 Schedule

22 NOV, FRI	All day	WMATA Metrorail weeknight service changes for Monday, November 18 through Friday, November 22 (Day 5/5) WMATA, Unit...
	All day	VA - MCLEAN - Ramp Closure from Northbound George Washington Memorial Parkway to I-495 Northbound (Inner Loop) (Day
	9pm - 5am	VA - MCLEAN - Overnight Triple Lane Closures and Traffic Stoppages on Northbound I-495 (Day 2/2) 38.94594384162279, -7...
	9am - 8:45pm	MD - NATIONAL HARBOR - Ice! Featuring: A Charlie Brown Christmas 38.780782535398004, -77.01586020324847
	12 - 8pm	DC - PENN QUARTER - DowntownDC Holiday Market 38.89720497352627, -77.0229845612762
	1 - 8pm	VA - CHANTILLY - Nation's Gun Show (EXPO) 38.887780948920884, -77.440414445767007
	5 - 11pm	VA - LEESBURG - Harry Potter: A Forbidden Forest Experience 39.130316304204754, -77.57352496074638
	5 - 10pm	MD - SANDY POINT - Lights on the Bay (Christmas Event) 39.01923519874031, -76.40403541891806

NCR GDX Regional Special Events (beta release) Special Attention Filter All Events Event Start Date Filter Within the next 7 Days

21 Events

Search...

- Call to pardon Marilyn Mushy**
Freedom Plaza, White House
12/5/2024, 12:00 PM - 12/5/2024, 5:00 PM
Primary Organization: The Committee to Free Marilyn Mushy
Source: USPP
Estimated Attendance: 100
Special Attention: YES
- The lighting of the National Christmas Tree**
Ellipse
12/5/2024, 12:00 PM - 12/5/2024, 11:59 PM
Primary Organization: National Park Service
Source: USPP
Estimated Attendance: 75,000
Special Attention: YES
- Climate Action Campaign**
1600 Pennsylvania Ave, NW
12/5/2024, 1:00 PM - 12/5/2024, 2:00 PM
Primary Organization: Partnership Project
Source: USPP
Estimated Attendance: 30
Special Attention: NO
- 24/7 Worship**
National Mall @ 9th Street
12/6/2024, 12:00 AM - 3/17/2025, 11:59 PM
Primary Organization: David's Tent USA
Source: USPP
Estimated Attendance: 250
Special Attention: NO
- Call attention for the release of the hostages taken by Hamas.**
National Mall @ 12th Street
12/6/2024, 1:00 PM - 12/6/2024, 7:00 PM
Primary Organization: Empty Shabbat Table DC
Source: USPP
Estimated Attendance: 100
Special Attention: NO

Last update: 19 seconds ago

Map showing event locations in the NCR region.

Bar chart: Upcoming Events This Week

Date	Special Event: Yes	Special Event: No
Dec 5	2	1
Dec 6	0	5
Dec 7	0	6
Dec 8	0	1
Dec 9	0	2
Dec 10	0	2
Dec 11	0	1
Dec 12	0	1
Dec 13	0	4
Dec 14	0	4

Powered by Esri

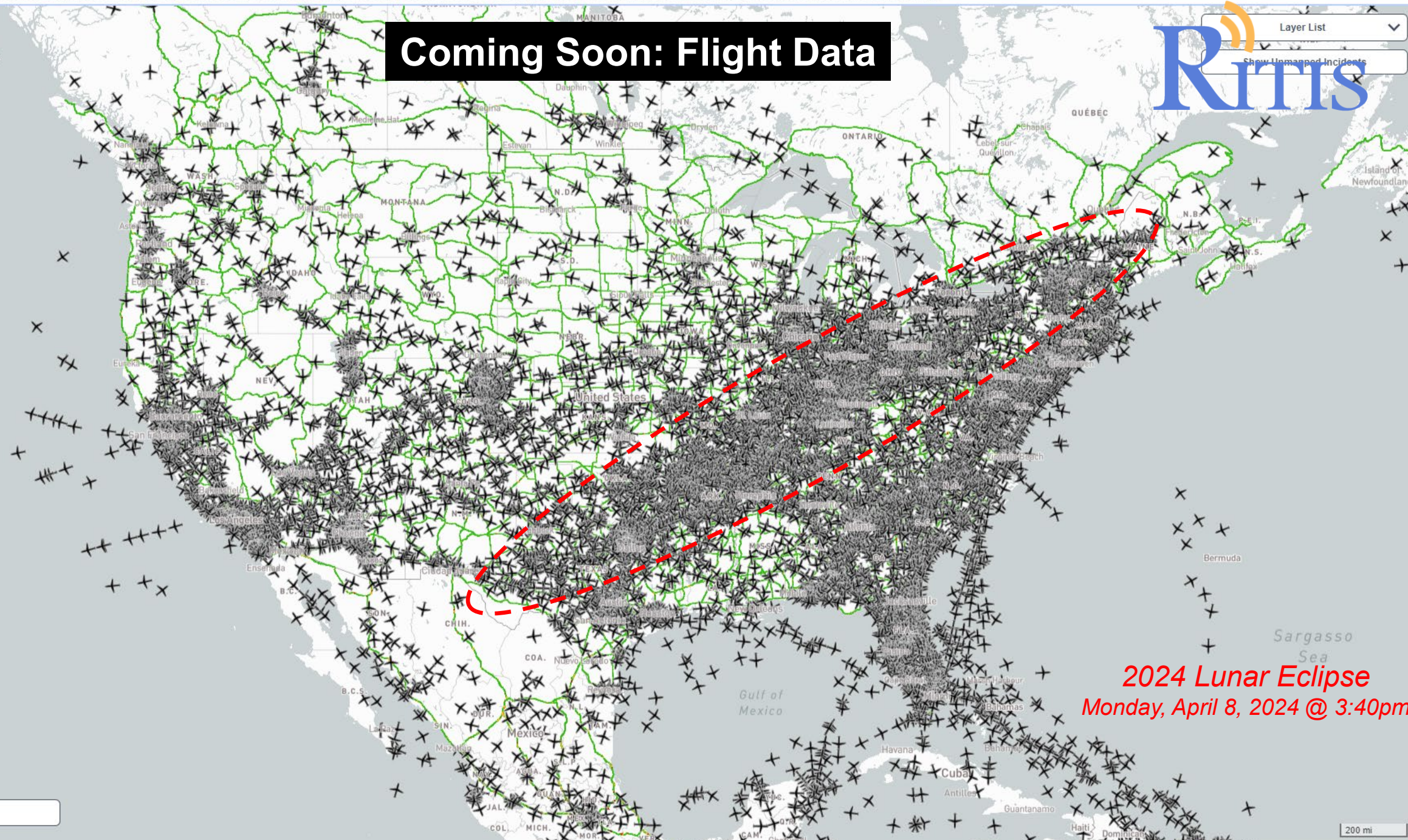


Coming Soon: Flight Data



Layer List

Show Unmapped Incidents



2024 Lunar Eclipse
Monday, April 8, 2024 @ 3:40pm



Legend



In Progress: MATOC Benefit-Cost Dashboard



County

Fiscal Year

Metropolitan Area Transportation Operations Coordination Measure

- Event
- Benefit

Benefit Analysis Selection

- (All)
- Not Included in benefit
- Included in benefit



- (All)
- Major/Intermediate/Minor
- Other

Incident Type

Incident Type

Incident Map



Incident Type

Total Count of Events

Benefit Cost (\$M)

Major



Intermediate



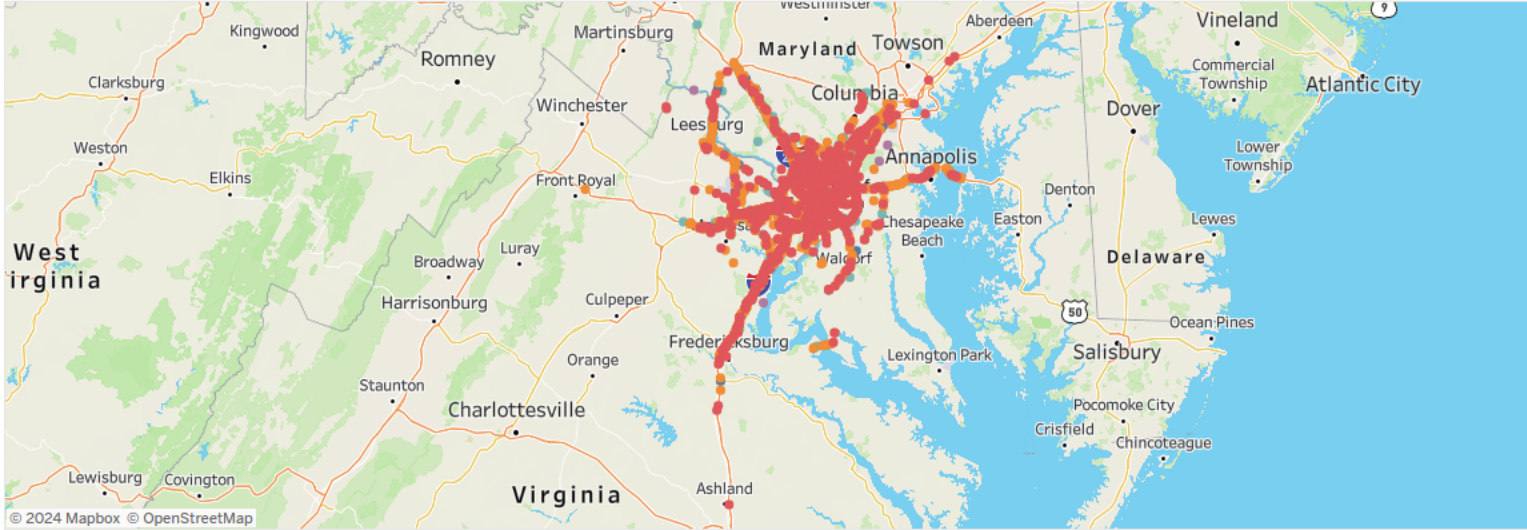
Minor



Verbal



NA



Major 843 \$320.34

Intermediate 2,272 \$227.20

Minor 520 \$10.40

Verbal 760 \$0.00

NA 567 \$0.00

Top 5 Incident Corridors



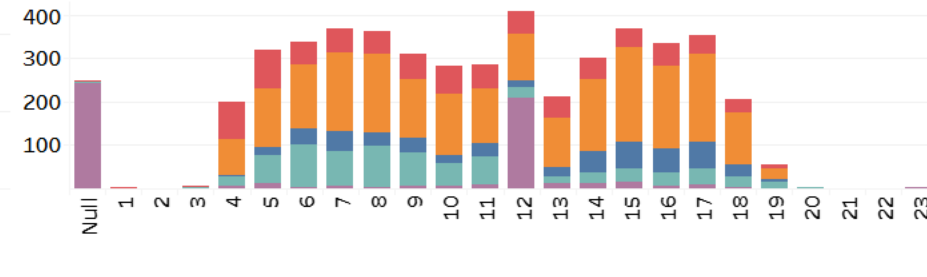
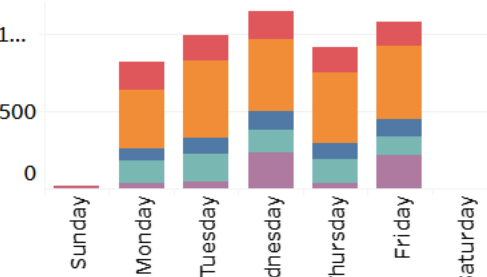
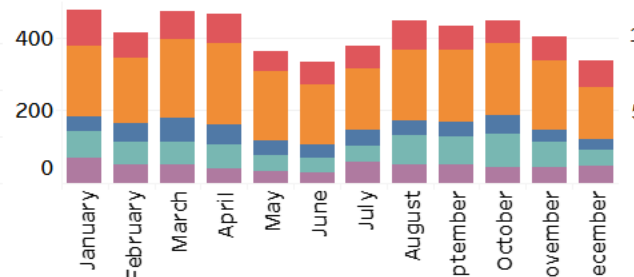
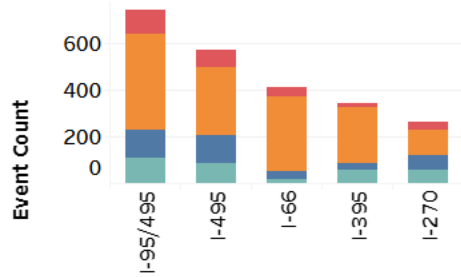
Month



Weekday



Hour of the Day



NEW: RITIS Best Practices Handbook

RITIS Best Practices Handbook

First Edition
August 2024

Center for Advanced Transportation Technology Laboratory • University of Maryland

Introduction	4
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Probe Data
Analytics Suite

Click the back arrows next to the page numbers to jump back to the table of contents

Transportation System Status – Traffic Map

Situational Awareness (Click any icon or roadway segment for additional data, most at or near real-time)

Weather/Time Zone (Current and forecasted weather conditions – rain, snow, temp, select time zone)

Zoom Controls (In, Out, Specific Area, My Location, Default View)

Detectors

Work Zones

RWIS

Speeds

Incidents

Imagery (Toggle between Map and Hi-Res Satellite backgrounds)

Legend (Agency-related incidents, Waze incidents, RWIS Alerts, and more)

Support/Release Notes (Contact the Support Team, see the latest improvements)

General Controls (Options, Video Tutorials, Log Out)

Interface Controls (Filters, Full Screens, Chat, Night/Day Screen Colors)

Layer List (Interactive data layers and sub-layers that help support safety and mobility monitoring and management across the state)

(To see a video tutorial on how to use Traffic Map, click [here](#).)

Corridor Speed Bins

Corridor Speed Bins counts the number of probe readings recorded for various congestion measures and displays time-aggregated bins to explore patterns on a stretch of road (video tutorial not available at this time)

RESULTS SCREEN

Data Type (Speed (mph), Congestion (%), Comparative speed (%))

Display hours as

Roadway Names (Hover over a roadway name to display more detail)

Display Detail (Hover over a bin to display more detail. Click to lock the tooltip in place.)

Display Options (Graph display mode, Arrange time periods, Show left/right graphs, Color Bins, Show time periods, Zooming options, Clear all tooltips)

You can interact with your report using the following:

- Data type** - the **Data type** dropdown menu allows you to switch between the different metrics available in tool.
- Display hours as** - the **Display Hours as** dropdown lets you choose whether you would like to have the x-axis represent the total amount of time or the percentage of time for your time periods.
- Display Options** - the **Display Options** menu you can customize the display to fit your needs with the following controls: selecting to show borders (no borders option shown above), arrange the time period charts, selecting which sides of the road to display, choose what color bins to display, show time periods (both shown) and zooming options to allow for more refined selection of the road.
- Compare** - hover over a speed bin to show tooltips with detailed results at that location. Click to lock the tooltip in place.
- Save as/Notes/Help/Title** - **Save as** allows you to export your report as an .xml file (use in Excel); **Notes** allows you to add notes or edit previous ones; **Help** takes you to the Corridor Speed Bins Help page; and **Title** allows you to add or edit a report title.

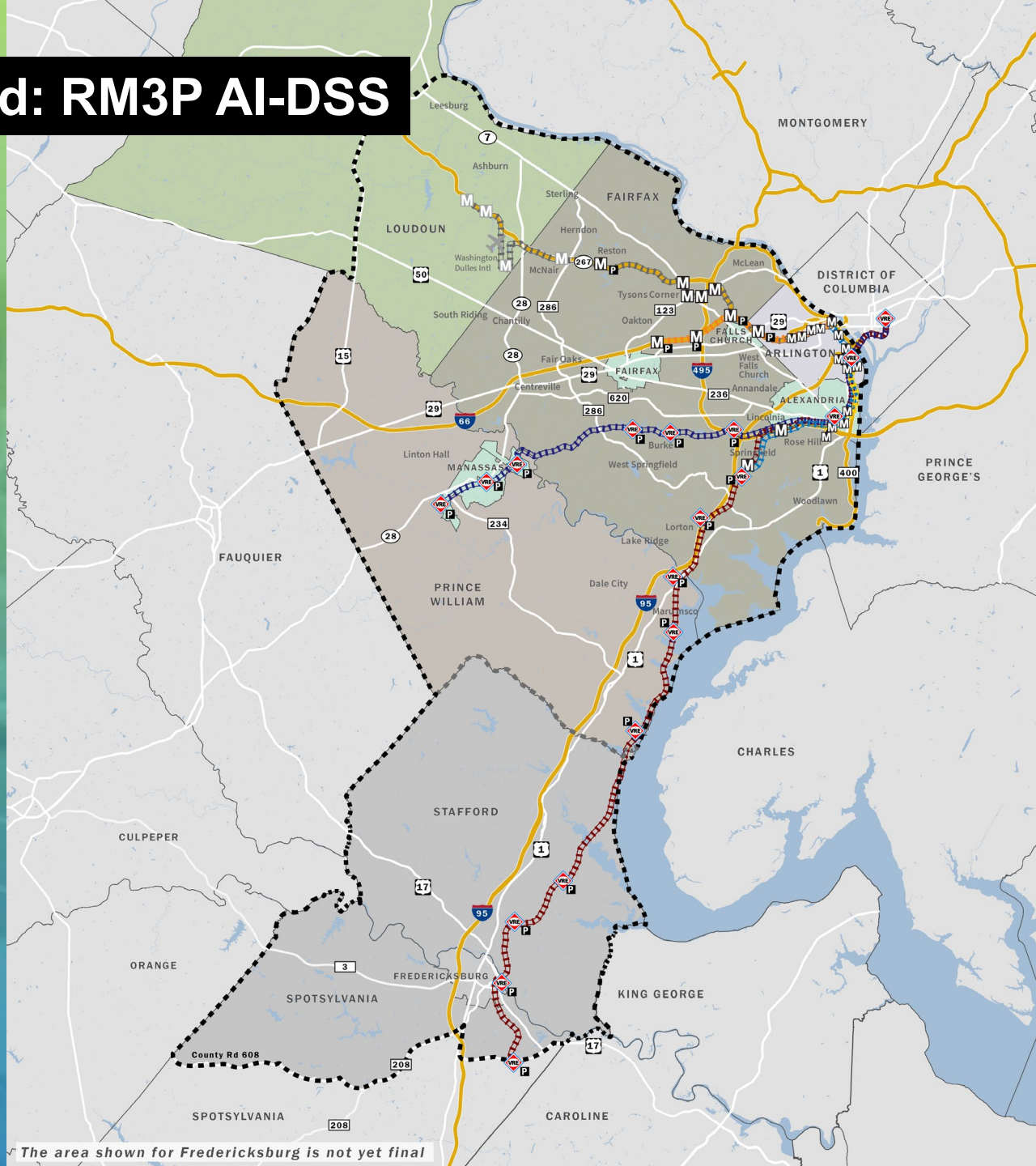
Looking Forward: RM3P AI-DSS



Travel Decisions Powered by Data

Regional Multi-Modal Mobility Program

The RM3P's mission is to leverage the collaborative use of real-time data by Virginia's public and private sectors to improve travel safety, reliability, and mobility, and to give the public the tools to make more informed travel choices.



The area shown for Fredericksburg is not yet final

Questions

Mr. Taran Hutchinson

MATOC Facilitator

Metropolitan Area Transportation Operations Coordination Program

5000 College Avenue, Suite 3121

College Park, MD 20742

Phone: 301-405-7841

taran.hutchinson@matoc.org

RITIS Information: www.ritis.org/intro

MATOC Website: www.matoc.org

Twitter: @MATOC

RITIS Training Opportunities: www.matoc.org/training