

Briefing on the Metropolitan Area Transportation Operations Coordination (MATOC) Program

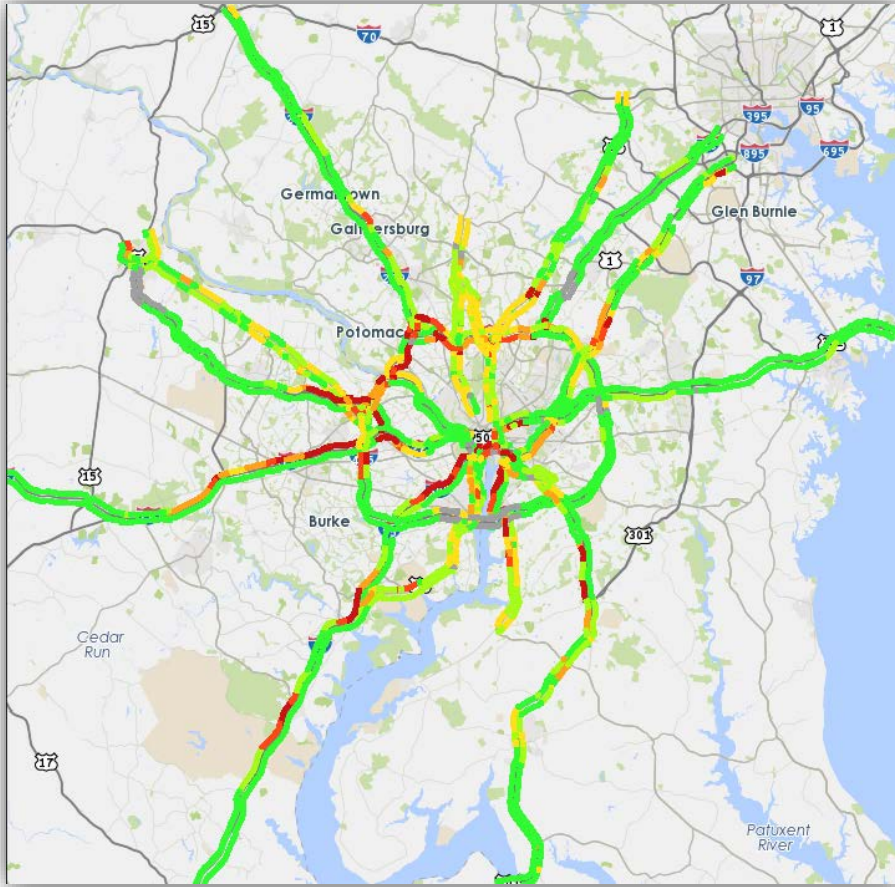
Presentation for the MWCOG Annual Winter Weather Briefing

Mr. Taran Hutchinson
MATOC Facilitator

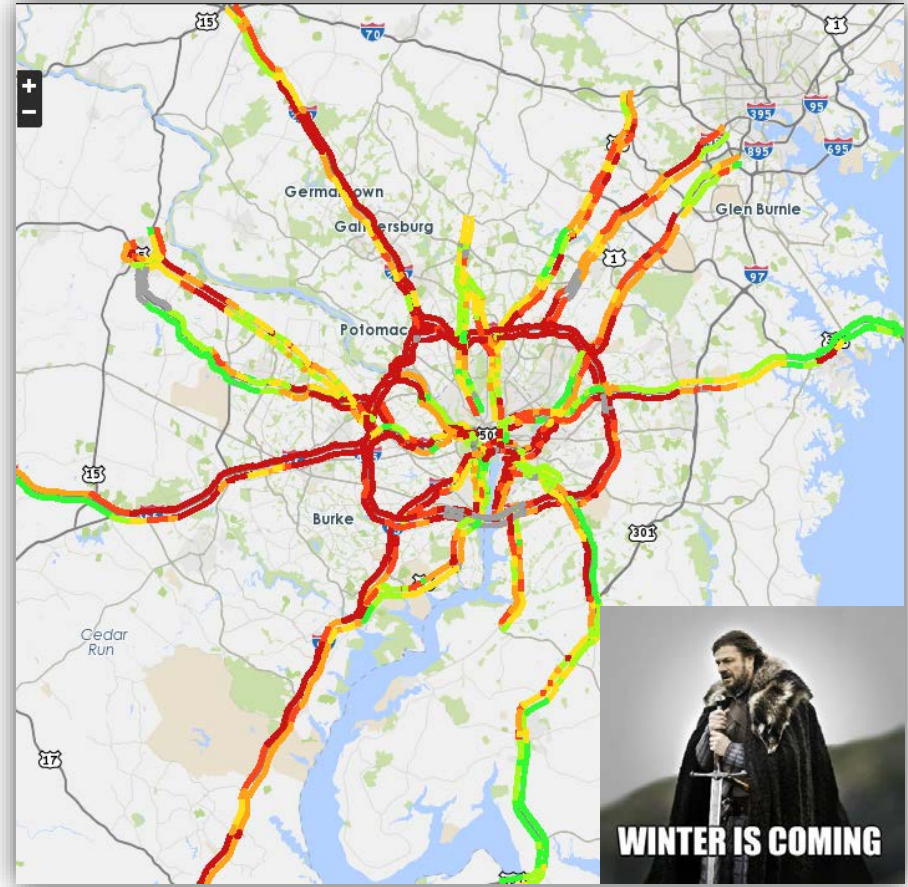
November 6, 2017

Rush Hour

Expected



Unexpected



(5:00pm)

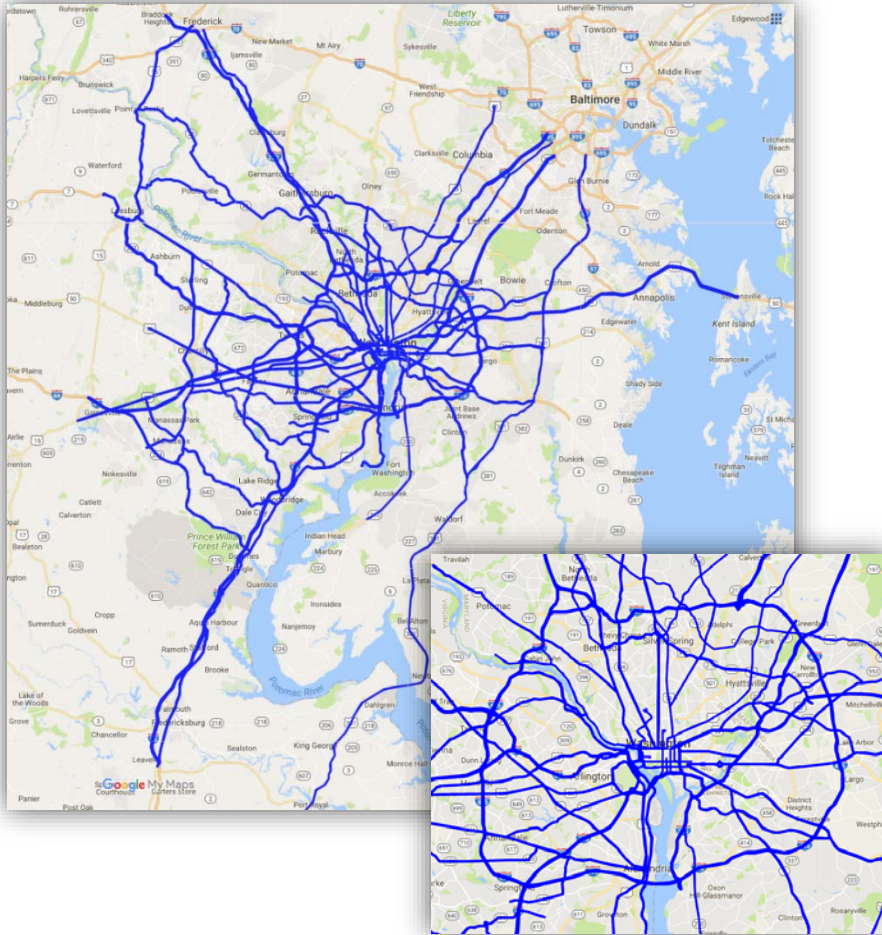
MATOC Mission and Operations

- 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
- MATOC's mission is to provide **situational awareness** of transportation operations in and around the National Capital Region (NCR)
- **Develop tools and processes** that enables operating agencies and the traveling public to make better decisions
- The MATOC Program is governed by a Steering Committee and supported by several committees and working groups covering specific DOT topic areas;
 - Roadway Operations, Transit Operations, Information Systems
 - **Maintenance / Severe Weather**
 - Construction / Planned Events
- MATOC is **not command and control**, it is **advisory in nature** and serves as a decision support function

MATOC Operations College Park, MD



- **Hours of Operation**
 - Monday-Friday: 4:30am-8:00pm
 - After Hours & Weekends: On-Call
 - Able to ramp up to 24/7 operations
 - Staff: 5
- MATOC Staff monitor **Regional Integrated Transportation Information System (RITIS)**, CapWIN, WebEOC, Public Safety & Media Scanners, Local-Regional-Statewide Alerts, Commuter Bus & Rail Operations, **Weather, DOT mobilization plans**, Social Media
- Serves as a **transportation watch desk / information clearing house / resource desk** for its stakeholders
- Attention **pivots to maintenance activities** during the winter season



Routes monitored by MATOC

- **National Capital Region “+1”**
 - Coverage expands/contracts depending on several factors;
 - Time of Day / Season
 - Weather
 - Planned Events
- **Focus Areas**
 - Interstates and major arterials
 - Closure >50% lanes blocked
 - Incident Duration >30 minutes
 - Delay >4 miles
 - Jurisdictional borders and river crossings
 - Incidents or events that may impact multiple jurisdictions or transportation modes
- MATOC member agency systems cover the majority of this network

MATOC Operations

Severe Weather/Special/Short-Notice Events

1) Pre-Event

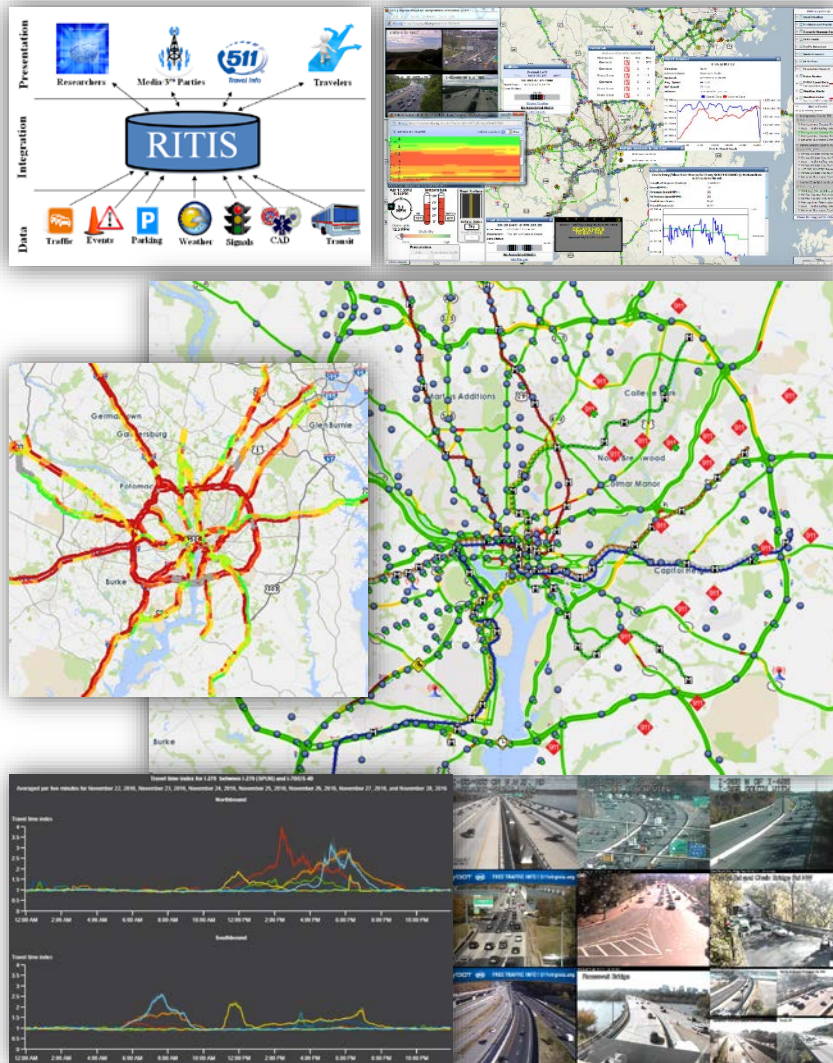
- Monitor weather forecasts and **DOT mobilization plans**
- Consult with the **MATOC Severe Weather Coordination Working Group (SWCWG)**
- Participate in and monitor regional conference calls:
 - **MATOC SWCWG Calls**
 - **MATOC Transit Task Force Calls**
 - **MWCOG Snow Calls**
- Staff ramp up to Severe Weather Operations 2-3 hours prior to the event entering NCR
- Two 2-person teams work in shifts filling Operations & Support roles

2) During Event

- Monitor core systems as well as other storm related resources
- **Hourly reporting of major transportation incidents, road closures, and changes in transit (bus & rail) service levels**
- Consult with the DOT Operations, RITIS Support team, MATOC Severe Weather Coordination Working Group, MATOC Transit Task Force as needed

3) Post-Event

- Return to Normal Operations & Reporting as recovery operations begin to wind down



- **MATOC's core system to monitor roadway conditions** in and around the National Capital Region
- **Limited to public sector agencies**
- Approximately **8,000 RITIS users** from around the nation representing various disciplines
- Gives users a **common operating picture** of a region's transportation network
- **New for 2017:** 911 CAD and Waze integration, more CCTV coverage, improved data visualizations
- **RITIS Training Available**
 - RITIS 101 Webinar
 - November 17 @10:00AM EST
 - www.matoc.org/training

TrafficView [Live Traffic](#) [My Routes](#) [Camera List](#) [Login](#) | [Register](#)

Layers

- Accidents and Events Legend
 - Severity Low / Medium / High
- Overhead Signs
- Traffic Cameras
- Comparative Speed
- Weather Radar
- Weather Alerts Legend

Collision
Incident 1 of 2
BACK TO LIST NEXT
MD 355 SOUTH AT SHADY GROVE RD
Started 34 minutes ago
South North

Disabled Vehicle
Incident 1 of 5
BACK TO LIST NEXT
I-95 SOUTH PRIOR TO BALTIMORE AVE
Started 58 minutes ago

Collision
This incident has been closed.
I-66W west @ MM 67.800
Started 2 hours, 1 minute ago

VOOT FREE TRAFFIC INFO | 511virginia.org

I-485 N OF AMER LEGION

I-65/485 ON W.U.B. MD

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RITIS Meeting

“Collaborative Decision Tool”

The image displays three overlapping screenshots of the RITIS Meeting web application. The top-left screenshot shows a map of the DC Metro area with various incident markers and a weather forecast panel. The top-right screenshot shows a poll results interface with a list of participants and a poll question: "How long do you estimate restoration of roadway will take?". The bottom-left screenshot shows an aerial view of a road intersection with colored arrows indicating traffic flow or incident impact. In the center, a white login form is overlaid with the RITIS MEETING logo and the text "The RITIS Conference Tool". The form includes input fields for "Email...", "Name...", and "Organization...", along with a "Login" button.

- Originally developed for the NCR and now available to RITIS users
 - Designed to support weather calls
- Simple web meeting function that allows for:
 - Faster call/meeting management
 - Multiple-presenter functionality
 - Interactive mapping, share documents and images, drawing functions
 - Shared view of an event or incident
 - Document meeting minutes
 - Open and transparent decision-making (e.g., real-time polling)
 - Participants receive a PDF meeting summary at the end of the session
- Works on all internet browsers
 - No plugins required
 - Supports up to 300 participants per session

Questions?

Metropolitan Area Transportation Operations Coordination Program

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