

Metropolitan Area Transportation Operations Coordination

# MATOC Briefing for MWCOG Winter Weather Conference

Mr. Taran Hutchinson MATOC Facilitator

**November 10, 2020** 











# **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 day-to-day 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's Area of Interest**

#### Area of Interest

- National Capital Region "+1"
- Roadway network defined by MATOC Operations Subcommittee
- Expands and contracts based on travel patterns

#### Focus Areas

- Interstates and major arterials
- Jurisdictional borders and river crossings
- Incidents or events that may impact multiple jurisdictions or transportation modes
- Special events and seasonal hotspots and bottlenecks

MATOC has tools to evaluate ripple effects

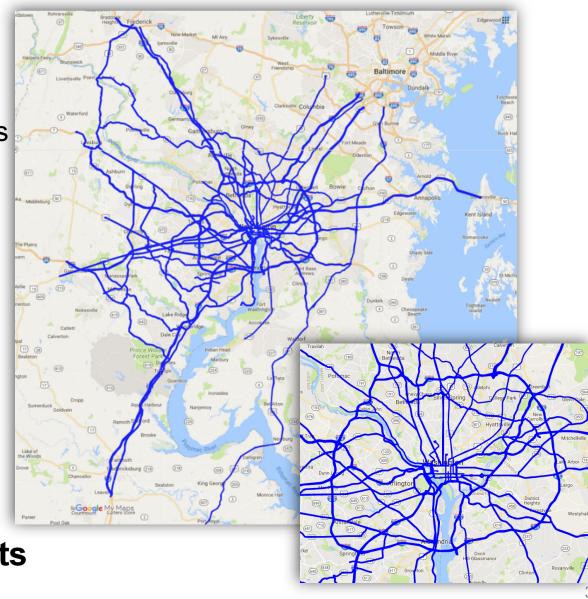








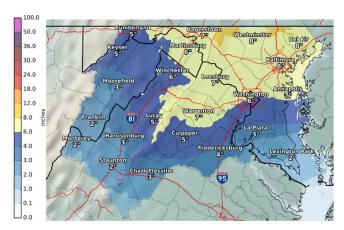




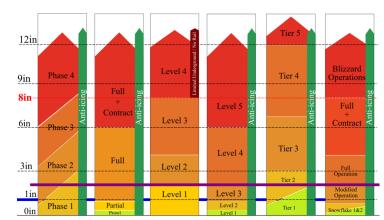


## Focus Area: Winter Operations

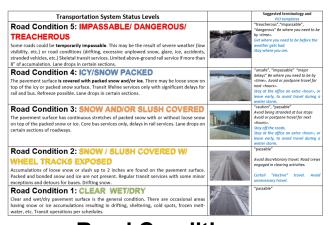
- MATOC Severe Weather Coordination Working Group (SWCWG) serves as a forum for select DOT maintenance representatives to share/discuss mobilization and recovery plans before, during and after widespread severe weather events
- MATOC Transit Task Force (TTF) is a forum for regional/local transit operators to discuss service coordination issues related to unplanned and planned events



**Weather Forecast** 



**Agency Mobilization Plans** 



Road Conditions

Anticipated/Observed













# **MATOC Operations Center**

## Normal Operations

- 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

## Operational Posture

- Normal Operations: Focus on weekday AM/PM rush
- Enhanced Operations:
  - Planned/Special Events July 4<sup>th</sup>, Inaugurations, etc.
  - Severe Weather Winter storms, derechos, hurricanes, etc.
- Serves as a transportation watch desk / information clearing house / resource desk for its stakeholders
- Operations transitioned to a virtual environment in early March 2020 due to COVID-19 pandemic















# MATOC Operations Severe Weather/Special/Short or No 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 communications:
  - MATOC SWCWG Calls/Listserv
  - MATOC Transit Task Force Calls/Listserv
  - MWCOG Severe Weather Calls
- Ramp up to Enhanced 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
- Provide 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 SWCWG, MATOC Transit Task Force as needed

### 3) Post-Event

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









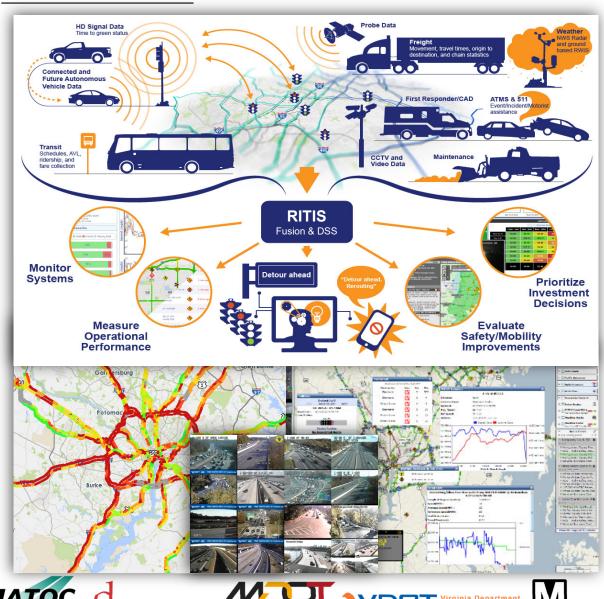




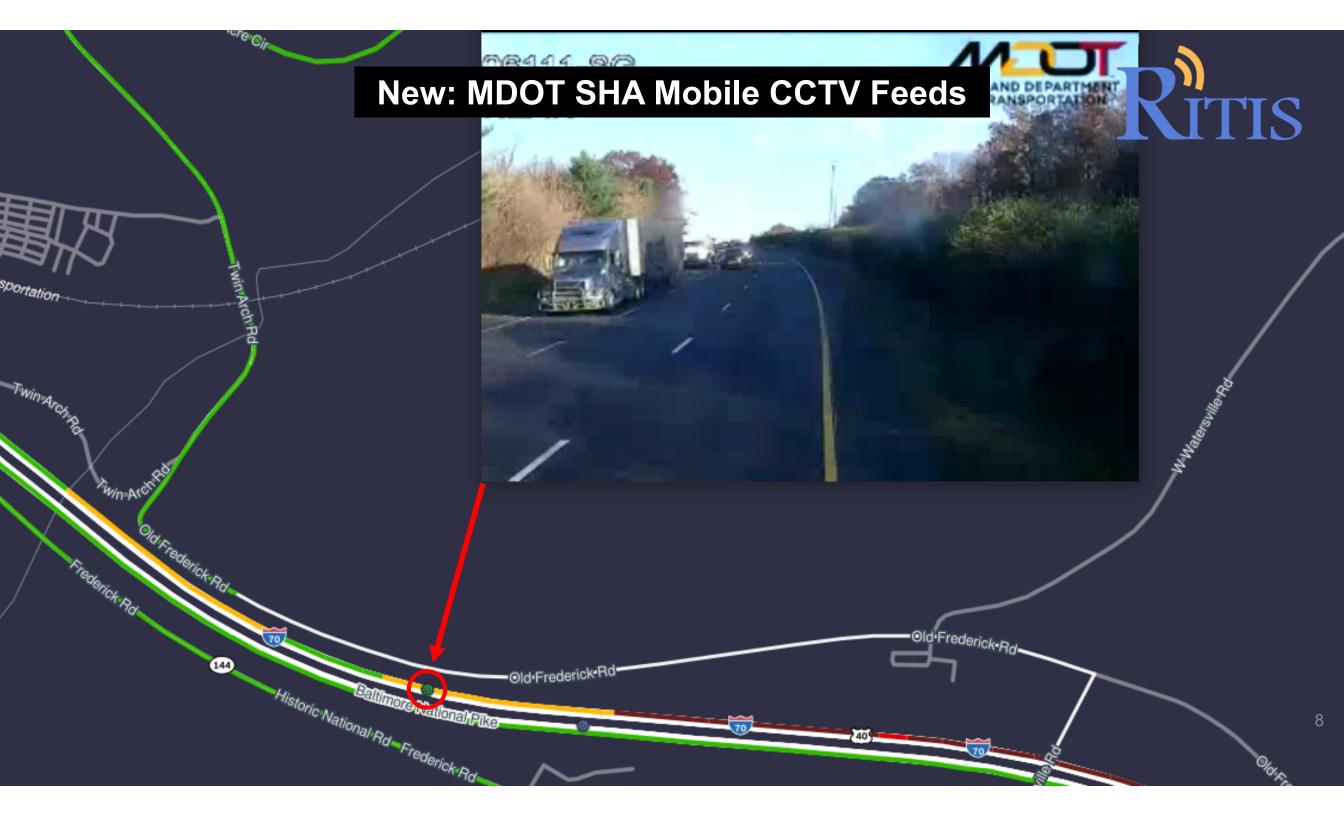
District Department of Transportation

# **Regional Integrated Transportation Information System**





- MATOC's core system to monitor roadway conditions in and around the National Capital Region
- Limited to public sector agencies
- Over 12,000 RITIS users from around the nation representing various disciplines
- Gives users a **common operating picture** of a region's transportation network
- New for 2020: Mobile CCTV feeds, updated user interface, improved granularity, new transit data
- RITIS Training Available
  - RITIS 101 For Operations Centers & Staff
  - Webinar: November 20 @10:00AM EST





Oxon Run

Legend

