

Washington Metropolitan Area Transportation Operations Coordination (MATOC) Program

Regional Bus Subcommittee

Taran Hutchinson
MATOC Facilitator

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About MATOC

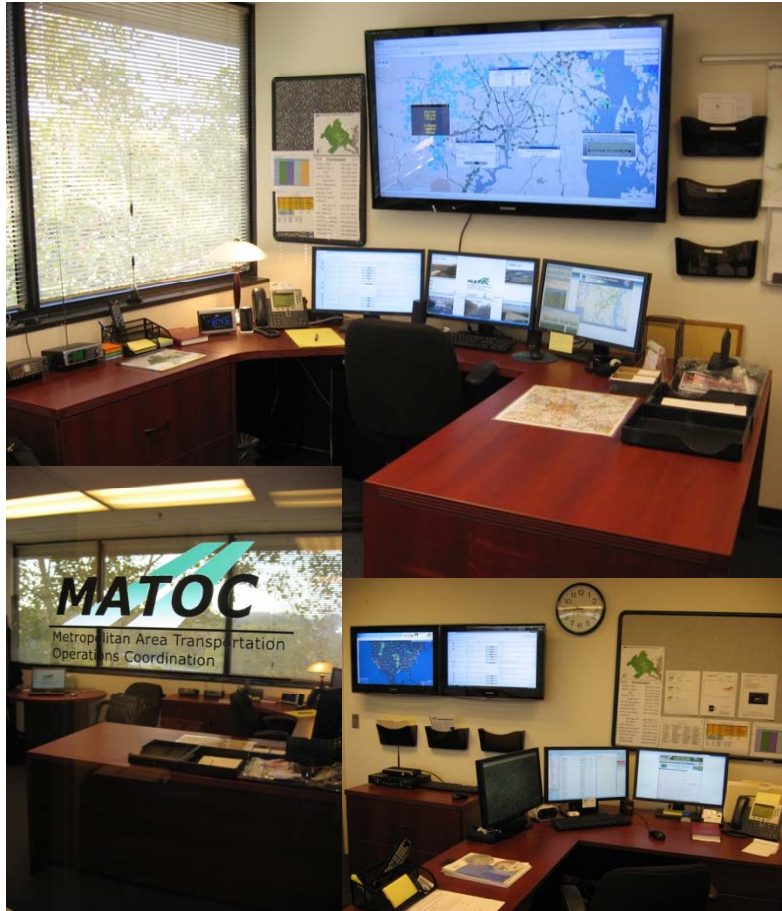
- Established in 2008, MATOC is a joint program supported by DDOT, MDOT (SHA), VDOT and WMATA
 - Mission: Provide regional situational awareness of transportation conditions and incidents
 - Goals: Improve traveler safety and reduce transportation delays
- MATOC activities include:
 - Monitoring and communicating reliable information during major incidents
 - Enabling operating agencies and the traveling public to make effective, coordinated and timely decisions
 - Enhancing RITIS: **Regional Integrated Transportation Information System**
 - Developing relationships between transportation stakeholders in the NCR
 - Transit is a major player

Challenges

- Many Regional Transportation Stakeholders
 - State Roads: Freeways, Primaries, Secondaries
 - Transportation Operations Centers
 - County & Local Roads
 - TOCs & Signal Systems
 - Toll Roads: DTR/Greenway, I-495 HOT Lanes, ICC
 - Federal Parkways
 - Regional & Local Transit Providers
 - Rail System
- Information/Data Sharing

MATOC Operations Floor

(Collocated with CapWIN Offices)



Hours of Operation

- Monday-Friday
 - 4:30am-8:00pm
- After hours: On-Call Schedule

Staff

- 1 Facilitator, 2 Operators

Applications

- RITIS, CAPWIN, RICCS, WebEOC, VDEM VIPER, Traffiland, Google Maps/Earth

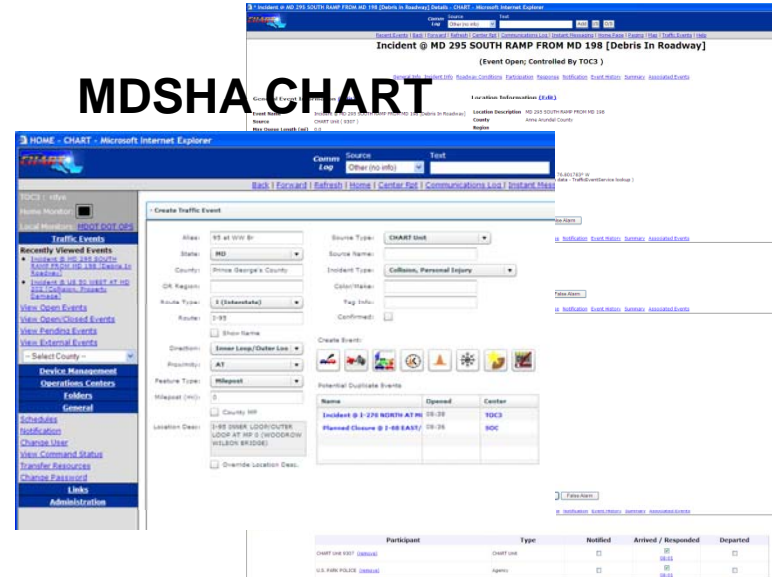
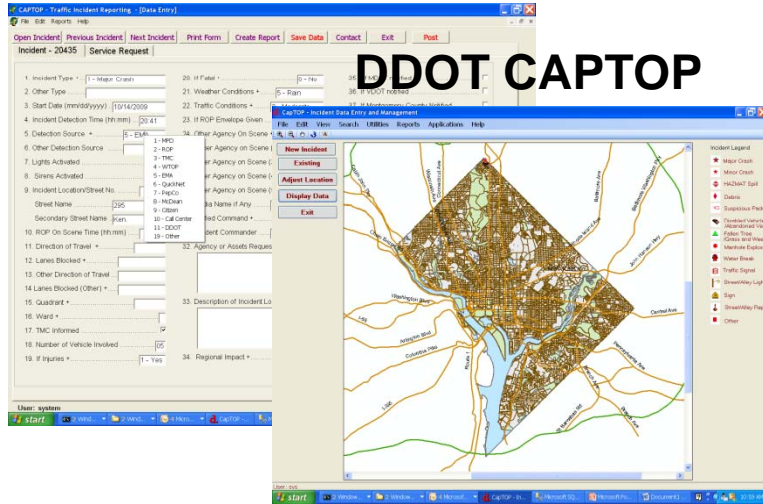
Monitor

- Public Safety & Media Scanners, Regional / Statewide Alerts, Commuter Bus & Rail Operations, weather

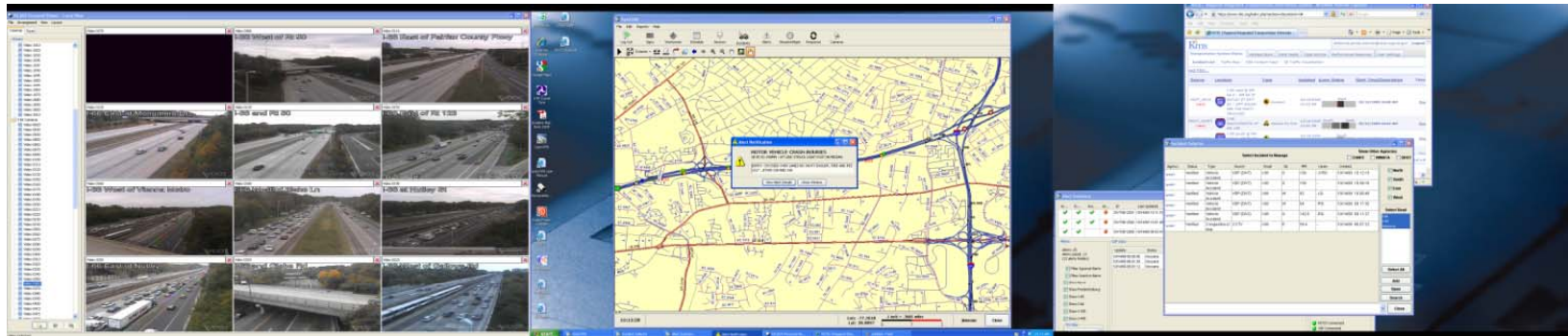
Notifications

- MATOC Operations Staff is now providing incident and event notifications to more than 3 dozen traffic, transit, and public safety stakeholder agencies / offices
 - DDOT, MDOT, and VDOT operations
 - WMATA and regional/local transit agencies/providers
 - Police, Homeland Security, and emergency management agencies
- MATOC provided notifications for 58 incidents in October
 - MATOC Incident/Event: 50% roadway closure > 30 minutes and/or 4 mile delay
 - Provided Situational Awareness & **recommend actions (DOTs)**
 - Estimated \$1 million of delay reductions and other regional benefits
 - B/C Ratio > 10:1
 - 70% of incidents on freeways, 30% on non-freeways (including transit)

Traffic Management Systems

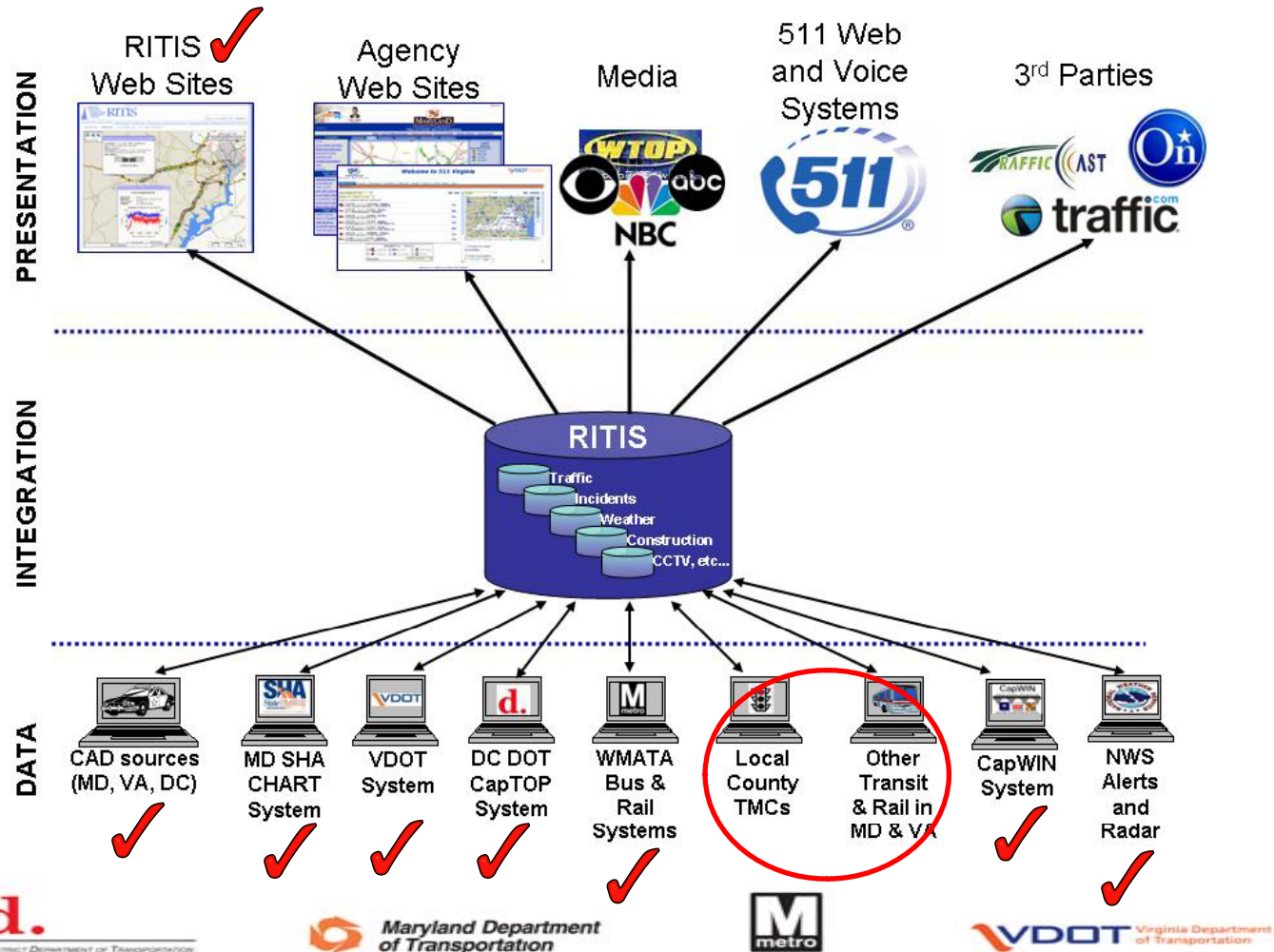


VDOT OpenTMS



RITIS

Regional Integrated Transportation Information System



"Working together to reduce incident-related travel delays through improved coordination, cooperation, and information-sharing."

RITIS (Map View)

RITIS | Regional Inte...
https://www.ritis.org/index.php?section=2&content=2

Welcome taran.hutkinson@matoc.org! (Logout)

Transportation System Status | Address Book | Data Archive | Performance Measures | User Settings

Incident List | Traffic Map | RSS Incident Feed

Re-Center

ACCIDENT I-495 E AT EX 31
RIGHT LANE BLOCKED
Updated: 11/22/2010 7:05 AM

Incident
US 1 NORTH AT EDGEWOOD RD
Time: 11/23/2010 5:30 AM
Description: 9302 IS ADVISING THAT THERE IS WATER BUBBLING THROUGH THE ASPHALT. WSSC ADV THAT THEY WILL HAVE SOMEONE GO BY AND CHECK IT OUT.
Lane Status: South North
Display Timeline

Traffic Lights Not Working
14th at Thomas Circle
Time: 11/23/2010 4:43 AM

NAVTEQ Detector
I-495 @ 0.57 Mile North of Sultland Pkwy
Direction: North
Detector Type: Microwave Radar
Updated: 11/23/2010 7:16 AM
Avg. Speed: 13 Mph
Ref Speed: 55 Mph
Volume: 13 Vehicles per Min
Speed Data Volume Data

Road Data
VA-123 SOUTHBOUND @ BURKE CENTRE PKWY
Length of Segment(miles): 0.967830
Speed(MPH): 42
Average Speed(MPH): 42
Reference Speed(MPH): 45
Confidence Score: Moderate
Travel Time(min): 1:23
Show Graph

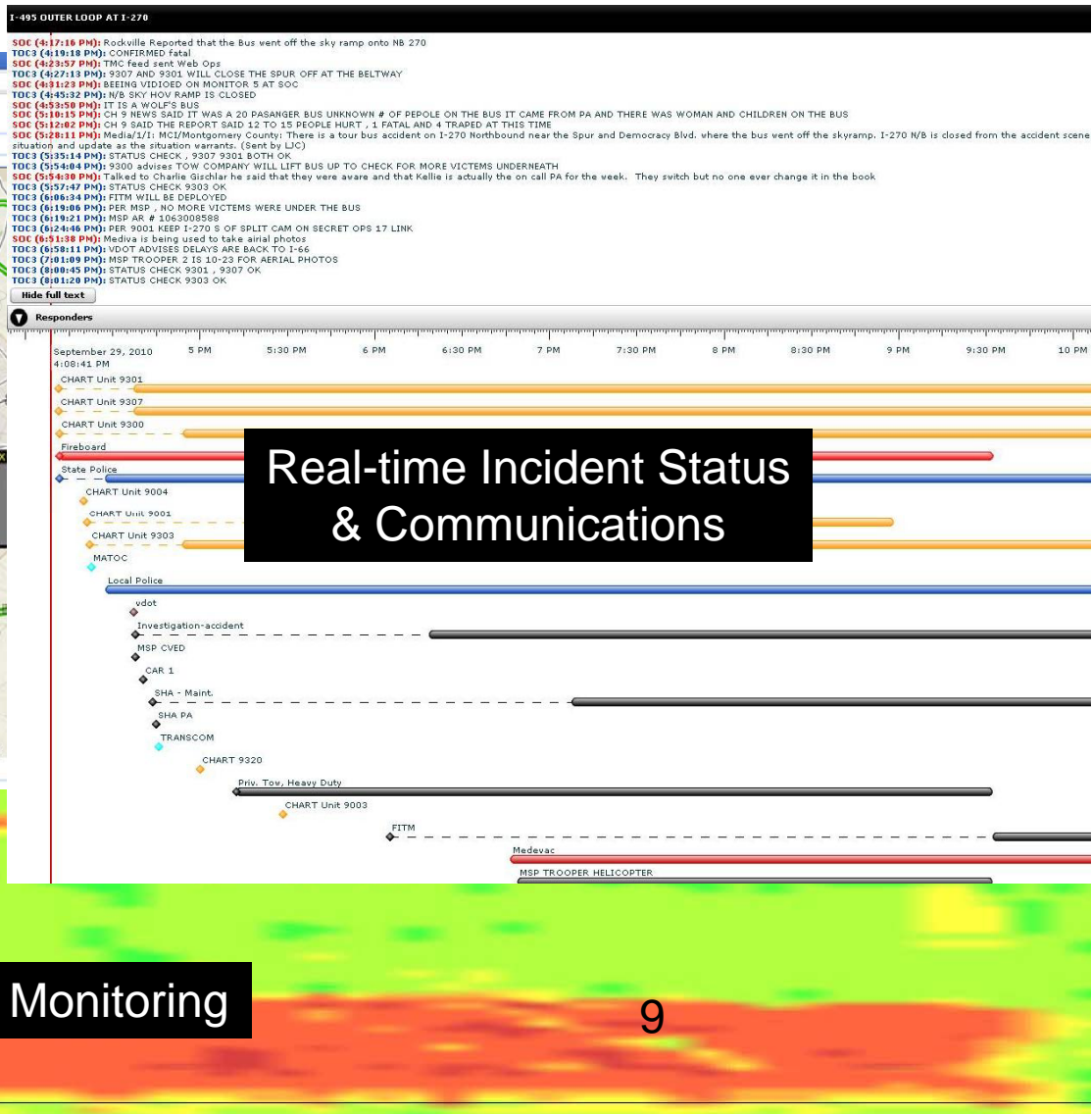
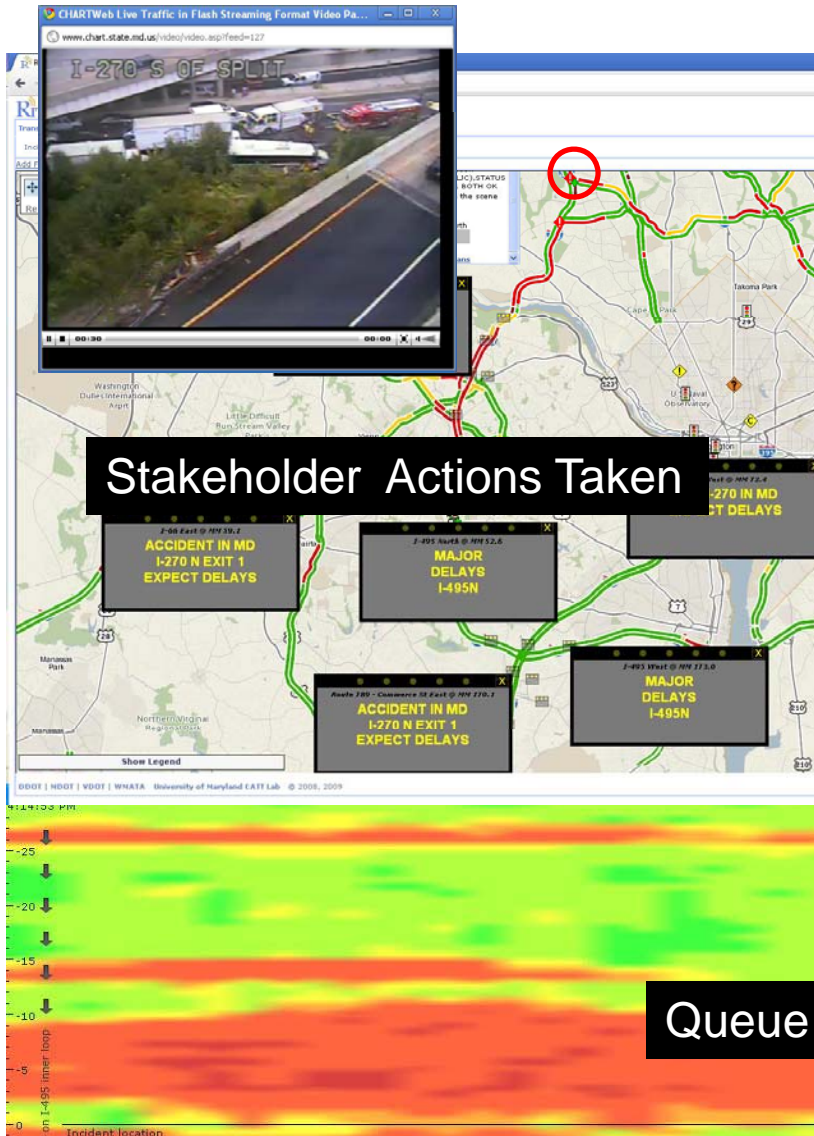
VA-123 NORTHBOUND @ POPES HEAD RD

Van Dorn Street
Destination Line Car Min
Franconia M 6 2
Franconia M 6 7
Franconia M 6 12

DDOT | HDOT | VDOT | WMATA | University of Maryland CATT Lab | © 2008, 2009

Regional Incident

September 29th I-270 Bus Accident



Regional Incident What's Missing?

- Arterial System
 - Urban & Suburban
- County TOCs & Signal System
- Local transit bus impacts
 - Delays, detours, ridership
- Regional commuter bus & rail impacts
 - MARC, VRE, Amtrak
- Parking lot status
- Thru traffic

Ongoing Initiatives

- RITIS Integration
 - Planned & Special Events
 - CCTV
 - Transit (bus) routes & AVL data
- RTOG / MATOC Coordination
 - Regional Commuter Bus & Rail Operations
- MATOC Website
 - One stop shopping: Planned Events, Incident Data, etc.
 - Internal: Document Repository, RITIS, etc.
 - Public: RITIS “Lite”, Trip Planning, etc.

Questions

Taran Hutchinson
MATOC Facilitator

Metropolitan Area Transportation Operations Coordination Program
6305 Ivy Lane, Suite 300
Greenbelt, MD 20770
(C) 240-381-6107
(O) 301-614-3702

Email: taran.hutchinson@matoc.org

Operations Floor Email: operations@matoc.org

CapWIN Chatroom: MATOC Operations Floor