

Virginia Information Sharing Initiative

Robert Mauskopf, MPA
Colonel, USMC (ret)
Director, Emergency Preparedness
Virginia Department of Health
804-864-7035
Bob.Mauskopf@vdh.virginia.gov

The Opportunity

- Technology and partnership opportunities exist to significantly enhance information sharing
- Real-time situational awareness can be made available for fast and effective decision making
- Clear processes for providing information can be incorporated into plans and standard operating procedures
- Data in existing systems can be leveraged to provide valuable situational awareness

CASAWG Members

- Derived from the Homeland Security Working Group as well as state-and-local representatives across the Commonwealth.
 - State Coordinator Representatives
 - State Interoperability Coordinator
 - VERT ESF Leads
 - State Agency Emergency Management Coordinators
 - Local Emergency Managers
 - Private Sector
- Subject matter experts who are not members of the HSWG or CASAWG may participate on the subcommittee(s), as appropriate.

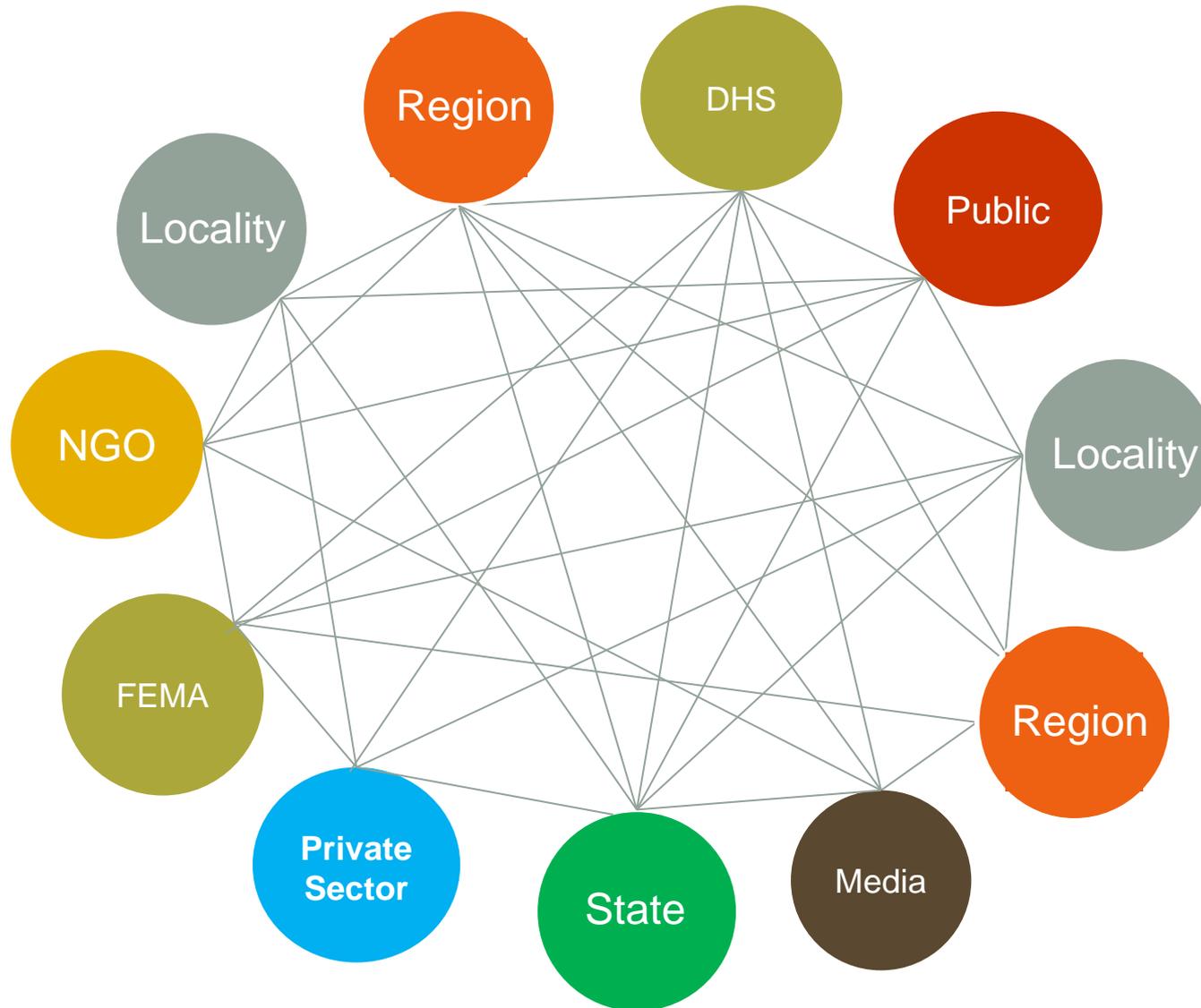
We've laid the foundation

- **Governance**
 - Stood up the Homeland Security Working Group's Crisis and Situational Awareness Working Group (CASAWG)
 - **CASAWG reports to Secure Commonwealth Panel who has endorsed the initial plan**
- **SOPs**
 - Established templates and processes to incorporate information sharing into SOPs
- **Technology**
 - Essential Elements of Information (EEI) have been identified
 - Identified an integrated technology approach
- **Usage**
 - Completed initial pilot involving state and local stakeholders in Charlottesville
 - Launched pilot to fine tune statewide information sharing approach
- **Training & Exercises**
 - Will provide training and exercise support for the pilots
 - Will develop training and exercise plan from pilot lessons learned

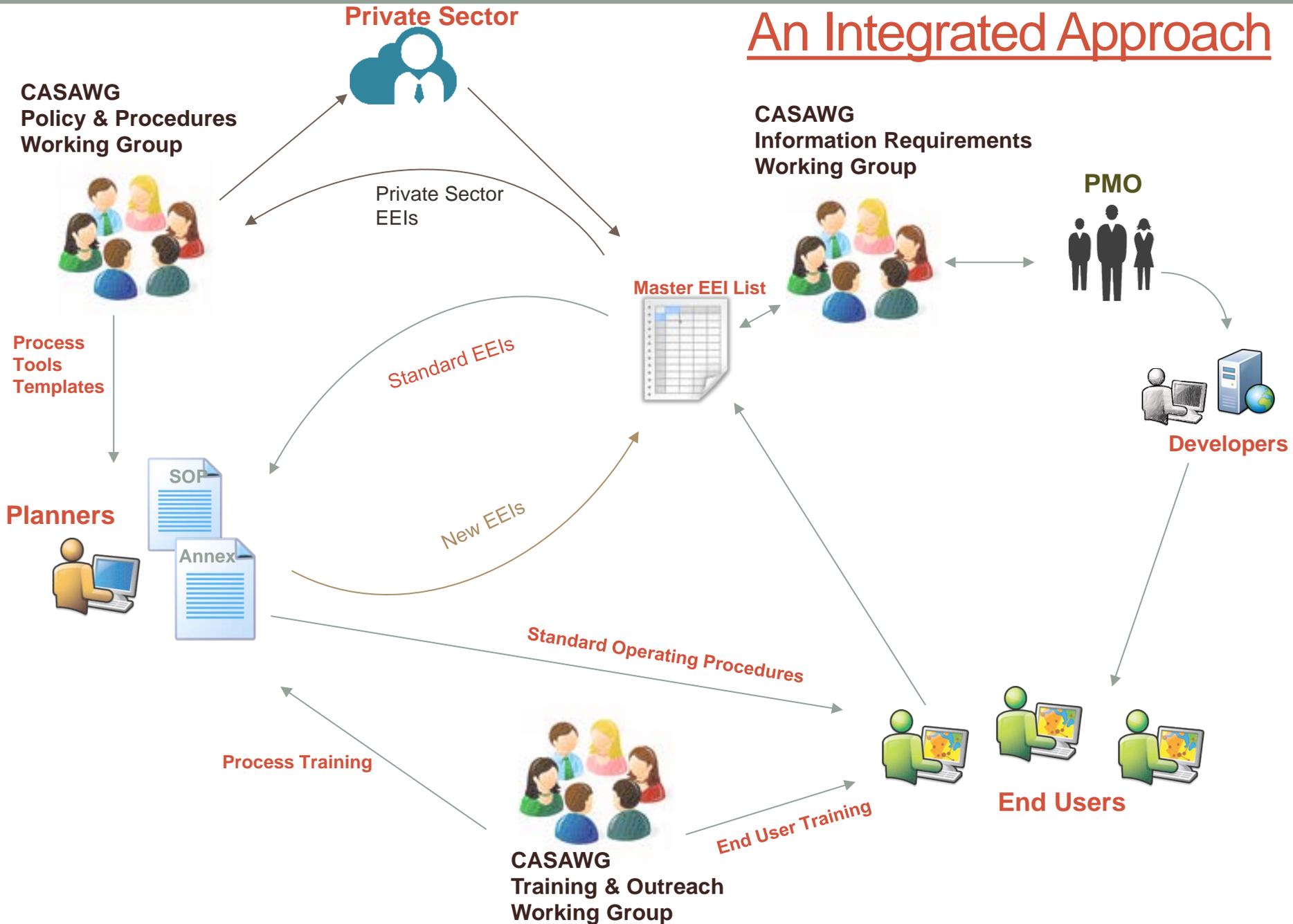
VA Interoperable Information Sharing Environment (VIISE)

- Year long pilot launched August 9th will test and evaluate the draft model approach developed by the CASAWG.
 - Analysis of operational plans and procedures
 - Identification of information sharing needs
 - Configuration of technology
 - Training on the process and technology
 - Test and evaluation of the model process and supporting technologies
- Pilot participants:
 - Virginia Department of Emergency Management
 - Virginia Department of Transportation
 - Virginia Department of Health
 - City of Charlottesville Albemarle County
 - UVA
 - James City County
 - City of Chesapeake
 - City of Norfolk
 - Chesterfield County

A decentralized sharing model



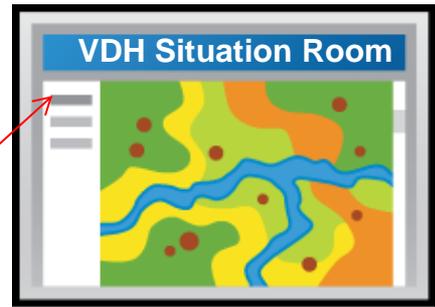
An Integrated Approach



Master EEI List

- Fire Hydrants
- Emergency Calls For Service
- Major Incidents and Incidents of Regional Significance
- Local Shelters
- State Managed Shelters
- Refuges of last resort
- Pet Shelters
- Cooling and Warming Centers
- Local Transfer Points
- State Transfer Points
- Evacuation Assembly Centers (EACs)
- Family Assistance Centers (FAC)
- Hotel/Motel
- DSS Licensed Facilities

| Information Element | Data Owner | System of Record | Map Service Available? | Where on VIISE? |
|-----------------------------|------------------|------------------|------------------------|------------------|
| Fire Hydrants | VDOF | VDOF GIS | Yes | VDOF Folder |
| Fire Hydrants | Albemarle County | Albemarle CAD | No | Not Available |
| Emergency Calls For Service | VSP | VSP CAD | No | Not Available |
| Emergency Calls For Service | Albemarle County | Albemarle CAD | Yes | Albemarle Folder |



Annex 1.1 EEI's for Mass Care

Scenario #1: Hurricane

Role: ESF 6

EEIs:
 Local Shelter Status
 State Shelter Status
 Local Transfer Points
 Road Conditions
 Power Status

Role: Hospital Coordinator

EEIs:
 Hospital Status
 Med Facility Status
 Road Conditions
 Power Status

Page 1

**ESF 6
Hurricane
Awareness
Package**

Scenario #2: Hazmat Spill

Role: ESF 6

EEIs:
 Major Incidents
 Local Shelter Status
 Road Conditions
 Power Status

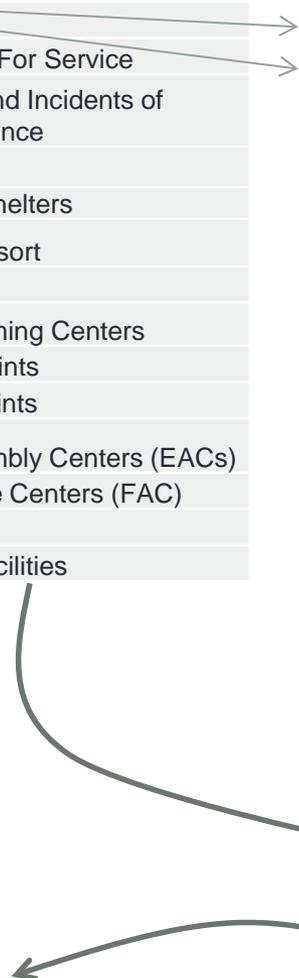
Role: Hospital Coordinator

EEIs:
 Hospital Status
 Med Facility Status
 Road Conditions
 Power Status

Page 2

New EEI's

- Hospital Status
- Medical Facility Status
- Road Conditions
- Power Status

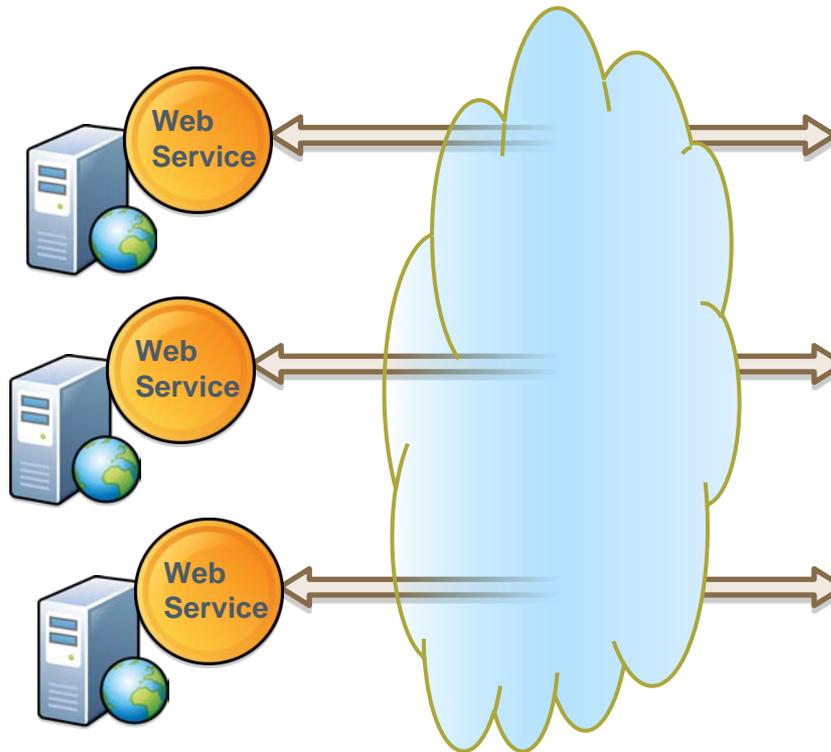


Basic Technical Approach

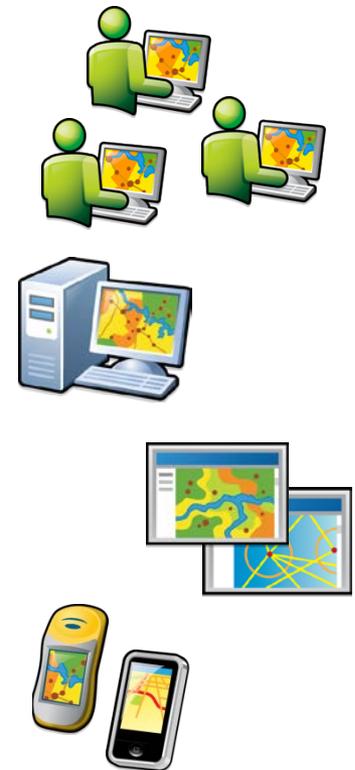
Data Owners

911/CAD
EOC
Crisis Management
Health
VHASS
Weather
Transportation
Public Works
Private Sector
Critical Infrastructure
Sensors

Publish



View and Manage



Demonstration

The Governor's Situation Room
Modify & Review Awareness Packages

Modify & Review
TS Andrea
Package Owner: Jeff Sopel

Modify + Layers

- VDOT Active Work Zones
- VDOT Traffic Accidents
- VDOT Traffic Delays
- VDOT Incidents ✓
- VDOT Road Speeds
- VDOT Road Construction
- VDOT Road Conditions
- Local Storm Reports ✓
- Dominion Power Outages
- Dominion Power Point Outages

BaseMaps

| | |
|----------|--------------|
| CITY | Hubert |
| COUNTY | Onslow |
| Shape | Point |
| WFO | MHX |
| SOURCE | public |
| VALID | 201306070845 |
| TYPETEXT | TORNADO |
| FID | 210 |
| TYPECODE | T |

2013-06-07 2:00 PM Fri EDT 49mph

2013-06-07 8:00 AM Fri EDT 45mph
ANDREA VA

Copyright:© 2013 Esri, DeLorme, NAVTE



VDOT Incidents

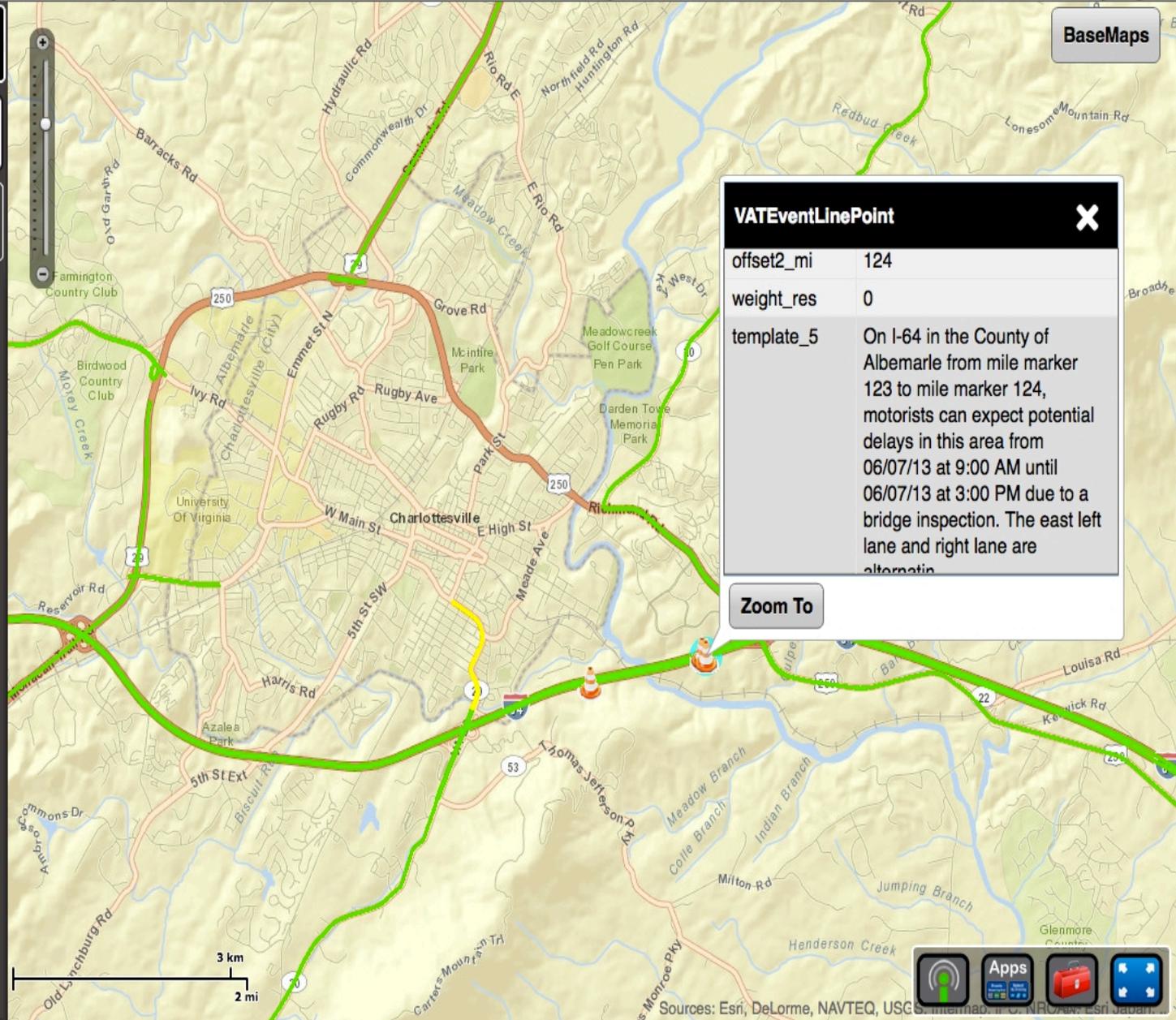
- Incident
- High Priority Incident

VDOT Construction

- VATEventLinePoint

VDOT Road Speeds

- Red
- Yellow
- Green



BaseMaps

VATEventLinePoint ✕

| | |
|------------|---|
| offset2_mi | 124 |
| weight_res | 0 |
| template_5 | On I-64 in the County of Albemarle from mile marker 123 to mile marker 124, motorists can expect potential delays in this area from 06/07/13 at 9:00 AM until 06/07/13 at 3:00 PM due to a bridge inspection. The east left lane and right lane are alternat... |

Zoom To

3 km
2 mi

CASAWG Projects

CAVS

Passable With Cars - Flooding
event_id: W0XN02385918-06302012
matching_f: 0
Shape: Point
status: Open
delay_type: Potential
sender_pro: VaTrafficJee
verified_f: 6/30/2012
offset2_mit: 9.2
event_type: None

AC ECC Awareness Packages

- Default
- Production
- Foxfield Spring Races
- Hurricane EVAC
- UVA Graduation
- Severe Weather
- Severe Weather - Beta

VA Traffic Events
VA Traffic Incidents
VA Traffic Weather Impacts
Resource Status
Highway Access Restrictions
Highway Conditions
Emergency Communications
Highway Access Restrictions
Highway Conditions

Quick Launch

Awareness Package Functions:

- Welcome, Raleigh, Logout
- View Packages
- Shared Resources

Latitude: 38.799953 Longitude: -77.419887

Hampton Roads
Hurricane Preparedness Test Viewer

Hampton Roads

VDOT 511

- VDOT Road Incidents
- VDOT Construction
- VDOT Road Speeds
- Road Condition Reports
- Road Conditions Live

Storm Reports

Latitude: 36.839561 Longitude: -76.60254

VIPER - Standard (v2013.01)
Based on ESRI ArcGIS Viewer for Flex 3.0

MAPPER / VIPER

Vehicle Accident - Lancaster (County)

Primary Route
VA-354N @
On VA-354 in the County of Lancaster, in the vicinity of Chowhings Ferry Rd, Rt. 626NS (Lancaster County), motorists can expect potential delays due to a vehicle accident. The north left lane and right lane are closed.

Latitude: 36.435592 Longitude: -80.121899

NCR GDX FlexViewer 3.0
Generator 4.5

NCR GDX Library

2 of 194 Items

| Display | Content Type | Title |
|---------|--------------|-------------------|
| ✓ | ArcGIS REST | Montgomery County |
| ✓ | ArcGIS REST | Prince Georges |

Legend

- Prince Georges County - Evacuation Routes
- Prince Georges Co Maryland - Circulation Routes
- Montgomery County - Evacuation Routes
- evacuation_routes
- < All other values >
- A10
- A20
- A30
- A30

12/20/2012 7:38 AM

Latitude: 36.435592 Longitude: -80.121899

Local / Regional Outreach

- **Visits to date**

- NOVA
- Hampton Roads
- Central VA
- Near SW

- **Upcoming**

- Far SW
- NW VA

- **Concerns**

- \$
- New Systems
- Small Rural EM Shops
- Training
- Join the Pilot

What's next?

- Complete the pilots
 - Evaluate and upgrade the approach
- Expand to others across the Commonwealth
- Engage private sector
- Create an on-going sustainable process
- Present results to Secure Commonwealth Panel to determine next steps
- Communicate progress

Questions?

Robert Mauskapf, MPA
Colonel, USMC (ret)
Director, Emergency Preparedness
Virginia Department of Health
804-864-7035
Bob.Mauskapf@vdh.virginia.gov