



Maryland's

Road Closure Reporter

GIS-T 2019

Marshall Stevenson – MDOT SHA

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

The Regions & Geographic

Western
Maryland



Eastern
Shore

Overview



Maryland's
Road Closure Reporter



- The app is for the capture of road closure events by local jurisdictions, e.g. Emergency Management/Public Safety, DPW etc.
- COTS based Desktop/Mobile Platform  | by Latitude Geographics®
- Local Development Partners
 - Baltimore City
 - Anne Arundel County
 - Harford County
 - Frederick County
 - Washington County
 - Queen Anne's County
- MDOT SHA hosts and administers the application
- Maryland DoIT hosts the database on MD iMAP infrastructure including local sourced roadway geometry
- Relationship with Waze  **waze**

"The Road Closure Reporter (both the map and email alerts) is a valuable tool aiding Waze Editors to add and monitor the road closures due to the recent rains." *David Tomb - Waze State Manager, Maryland*



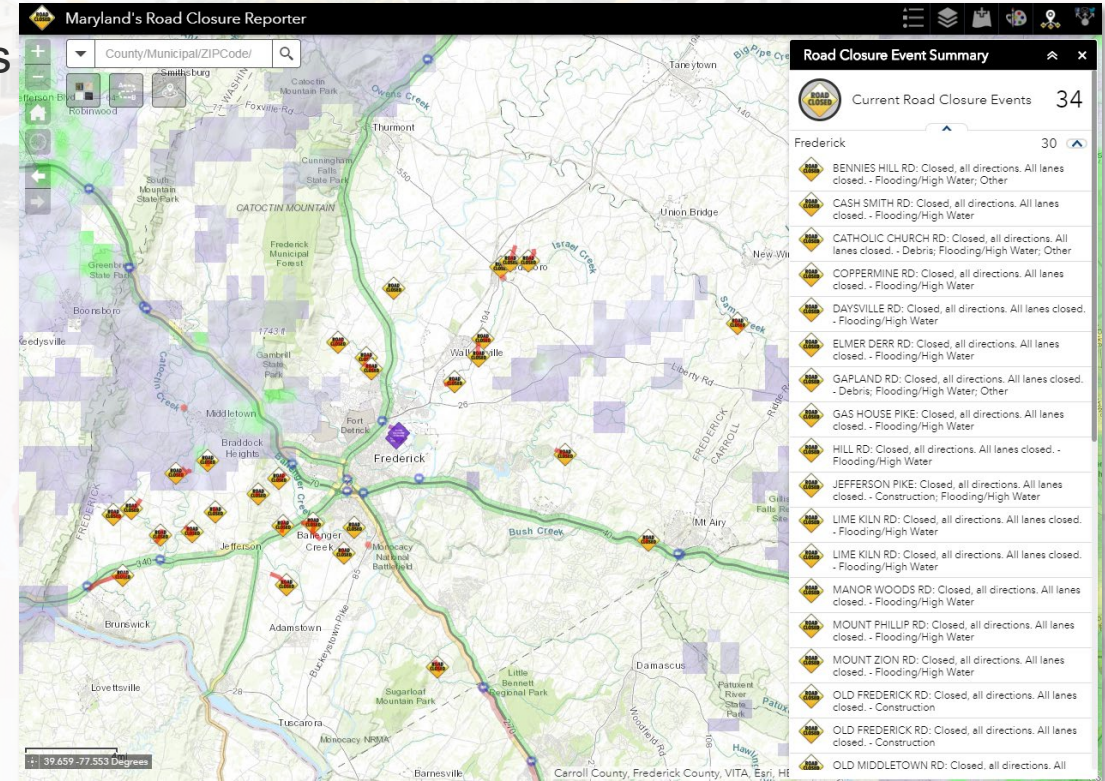
Key Functionality



Maryland's
Road Closure Reporter

MDOT
MARYLAND DEPARTMENT
OF TRANSPORTATION
STATE HIGHWAY
ADMINISTRATION

- Jurisdiction can only enter closure for roadways in their jurisdiction
- Batch roadway submission
- Events Auto Expire/Retire
- Future Events
- Storm Mode Workflow
- Mobile Workflow
- After Action Reporting
- Jurisdiction e-mail notification system



Notifications



Maryland's Road Closure Reporter



Baltimore
Metro Region

Eastern
Shore

The Regions & Geographical
Diversity of
The Old Line State

An active road closure has just been reported in FRIENDSVILLE.

[View the closure.](#)

Details:

Start Time: 4/22/2019
End Time: 5/31/2019
Closure Type: Closure
Road: MAPLE ST
Lanes: All
Direction: All Directions
Reason: Construction
Comments:
On April 22, the MDOT
Maple Street (MD 100)
expedite the \$500,000

An active road closure has just been reported in FREDERICK CITY.

[View the closure.](#)

Details:

Start Time: 4/19/2019
End Time: 5/2/2019 3:00 PM
Closure Type: Limited
Road: STONEGATE DR
Lanes: 1
Direction: All Directions
Reason: Construction
Comments:
Decisive Communication

A road closure has just been modified in BEL AIR.

[View the closure.](#)

Details:

Start Time: 5/6/2019 7:00 AM
End Time: 10/7/2019 5:00 PM
Closure Type: Limited
Road: MOORES MILL RD
Lanes: All
Direction: All Directions
Reason: Construction
Comments:
Moores Mill Road, betw
reconstruction. This clo
live within this work zo

Road closure has ended in Frederick.

[View the closure.](#)

Details:

Start Time: 4/11/2019 1:00 PM
Closure Type: Closed
Road: MOUNT EPHRAIM RD
Lanes: All
Direction: All Directions
Reason: Construction
Comments:
Mount Ephraim Rd CLOS

An active road closure has just been reported in Washington.

[View the closure.](#)

Details:

Start Time: 3/22/2019 10:15:59 AM
End Time: 3/24/2019 10:15:59 AM
Closure Type: Closed
Road: DELLINGER RD
Lanes: All
Direction: All Directions
Reason: Flooding/Water
Comments:

Partners



Maryland's
Road Closure Reporter



- Allegany County
- Anne Arundel County
- City of Annapolis
- Cecil County
- Frederick County
 - City of Frederick

- Garrett County
- Harford County
- Prince George's County
- Washington County
- Carroll County
- Howard County

- Montgomery County
- St. Mary's County

Current Users

Working to bring online...

Frederick County Road Closures

KNOXVILLE RD: Closed, all directions. All lanes closed.

Road Name: KNOXVILLE RD

Reason for Closure: Construction

Closure Date: Friday, June 15, 2018 11:00PM - Friday, August 31, 2018 10:59PM

Summary: The Maryland Department of Transportation State Highway...

W THIRD ST: Closed, Eastbound. 1 lane(s) open.

Road Name: W THIRD ST

Reason for Closure: Construction

Closure Date: Monday, July 09, 2018 07:00AM - Friday, August 31, 2018 04:00PM

Summary: cable replacement

N MARKET ST: Closed, Northbound. 1 lane(s) open.

Road Name: N MARKET ST

Reason for Closure: Construction

Closure Date: Monday, July 09, 2018 07:00AM - Friday, August 31, 2018 04:00PM

Summary: Cable replacement

KLINE BLVD: Closed, Eastbound. 1 lane(s) open.

Road Name: KLINE BLVD

Reason for Closure: Construction

Closure Date: Monday, July 23, 2018 06:30AM - Friday, August 03, 2018 02:30PM

Partner Integrations



Maryland's Road Closure Reporter



Frederick County

Government Maryland

Rich History. Bright Future

Frederick County

Government Maryland

Rich History. Bright Future

Government

Departments

Services

Community

Adopt-A-Road

Trash Removal

County Work Request Form

Crews & Tree Trimming

Gravel and Tar & Chip

Roads Closed

Roadway Repairs & Maintenance

Rural Roads Program

Signs & Signals

Snow Removal

Street Index Inquiry

Parks & Recreation

Health Department

Frederick Transit

FCG TV

Employment

Connect With Us

Home > Government > Divisions > Public Works > Public Works > Department of Highway & Facility Maintenance > Highway Operations > Roads Closed

Roads Closed

The Office of Highway Operations provides citizens and the media with up-to-date details on roads closed in the county. Please check back frequently for updates.

Emergency officials warn drivers to never try to cross a flooded road under any circumstances. If you see a flooded road warning sign remember, "turn around, don't drown." View the "Turn Around, Don't Drown" story map and video.

Road Closures

For current road closure details, view the [Frederick County Road Closure](#) web map.

For more information on [County Road and Bridge Capital Improvement Program \(CIP\)](#) projects, please click [here](#).

For more information on [State Road and Bridge Projects](#), please click [here](#).

[Frequently Flooded Roads list](#)

Current Road Closures

Frederick County

Frederick City

GAS HOUSE PIKE: Closed, all directions. All lanes closed.

Road Name: GAS HOUSE PIKE

Reason for Closure: Construction

Closure Date: Sunday, September 09, 2018 11:00PM - Friday, August 16, 2019 11:00PM

Summary: Gas House Pike right lane closed - Monocacy Blvd. at Gas House...

MONOCACY BLVD: Closed, all directions. 1 lane(s) open.

Road Name: MONOCACY BLVD

Reason for Closure: Construction

Closure Date: Sunday, September 09, 2018 11:00PM - Friday, August 16, 2019 11:00PM

COUNTY ROAD CLOSURES

I want to...

Frederick County, Maryland

Search...

Street Map

0 3 6mi

Closed Roads (13)

| Road Name | Closure Start Date | Closure End Date | Status | Direction | Lanes | Closure Type | Comments |
|----------------|-----------------------|-----------------------|-----------------------|----------------|-------|--------------|---|
| GAS HOUSE PIKE | Sep 10, 2018 12:00 AM | Aug 17, 2019 12:00 AM | Closed | All Directions | All | Construction | Gas House Pike right lane closed - Monocacy Blvd. at Gas House Pike signal installation |
| MONOCACY BLVD | Sep 10, 2018 12:00 AM | Aug 31, 2019 12:00 AM | Closed | All Directions | All | Construction | Bridge Construction |
| MONOCACY BLVD | Sep 10, 2018 12:00 AM | Aug 17, 2019 12:00 AM | Closed | All Directions | 1 | Construction | Monocacy Blvd. Right lane closures |
| N COURT ST | Apr 15, 2019 7:00 AM | May 15, 2019 5:00 PM | Limited Public Access | All Directions | 1 | Construction | JMR Concrete - lane and sidewalk closures in front of #17 North Court Street |
| MONUMENT RD | Apr 1, 2019 5:58 AM | May 10, 2019 5:00 PM | Closed | All Directions | All | Construction | FREDERICK, MD – The Frederick County Office of Transportation Engineering announced |

Partner Integrations



Maryland's
Road Closure Reporter



Road Closure Suite

Report a closure Manage closures Public View

Detour Tracking

Find address or place

Harford County Road Closures

Find address or place

Legend

Washington County Reported Active Road Closure (Point)

Construction

Flooding/High Water

Other

Road Closure Event Summary

Active Local Road Closures

6

Garretts Mill Rd: Closed, all directions. All lanes closed. (Construction)

Road: GARRETTS MILL RD

Accessibility: Closed

Incident: Construction

Comments: Bridge on Garretts Mill Rd. washed out during May 2018 flooding event.

Zoom to

Washington County Reported Active Road Closure (Point)

Options Filter by map extent Zoom to Clear selection Refresh

| Road Name | Comments | Type |
|------------------|--|---|
| BACK RD | Road washed out. Estimated Road closure 12+ months. | BACK RD: Closed, all directions. All lanes closed. |
| GARRETTS MILL RD | Bridge on Garretts Mill Rd. washed out during May 2018 flooding event. | GARRETTS MILL RD: Closed, all directions. All lanes closed. |

2 features 0 selected



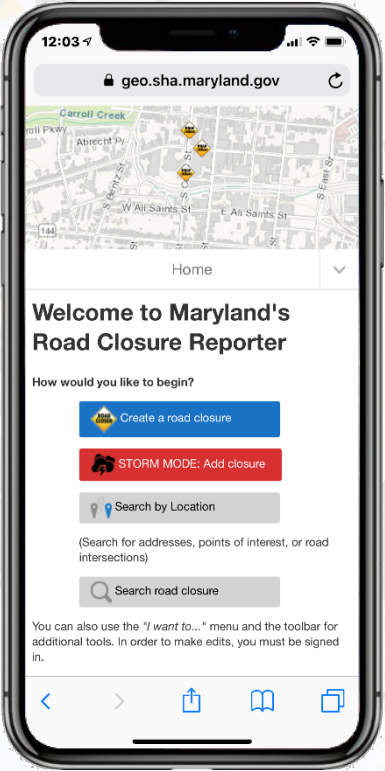
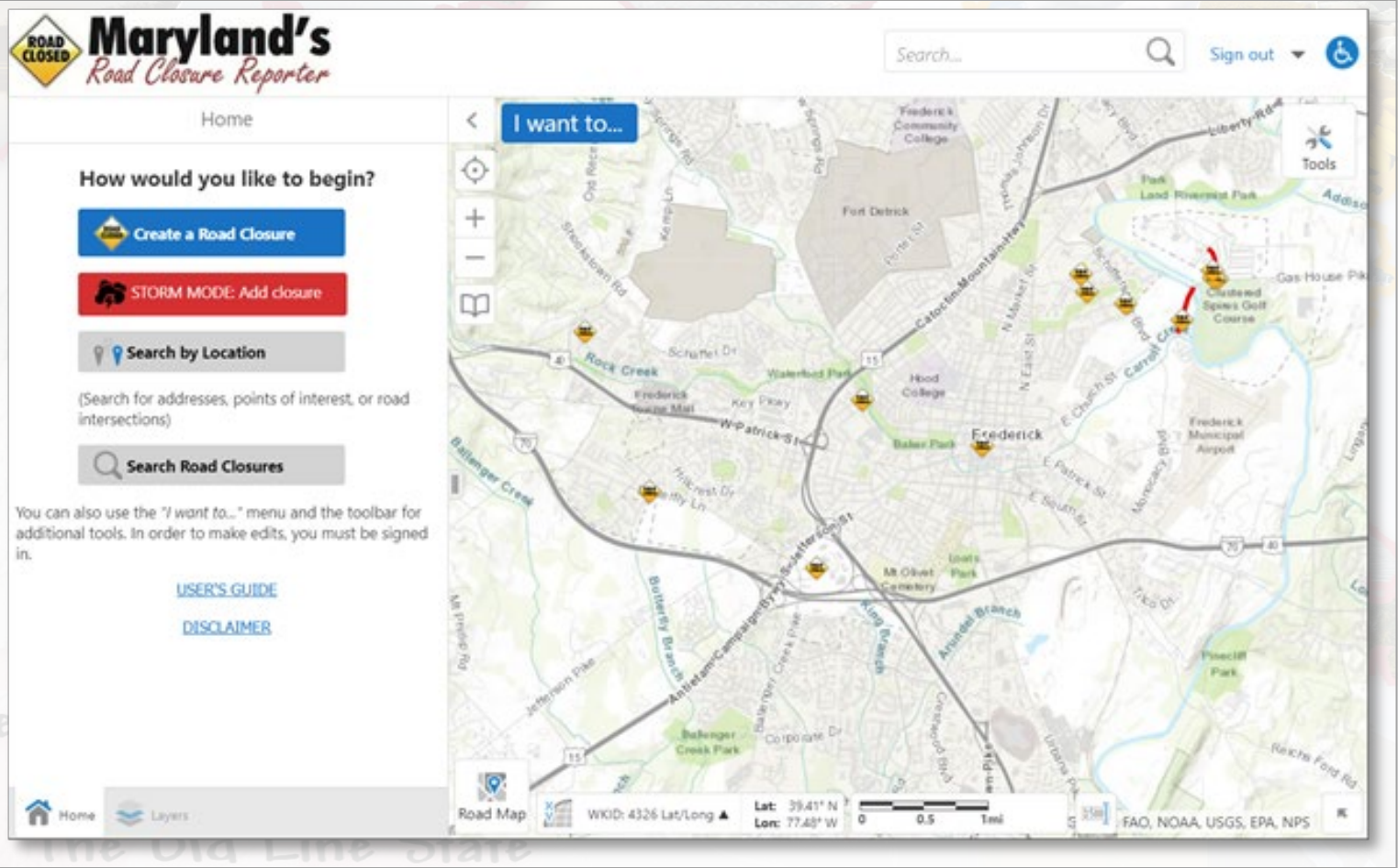
Event Data Capture



Maryland's
Road Closure Reporter



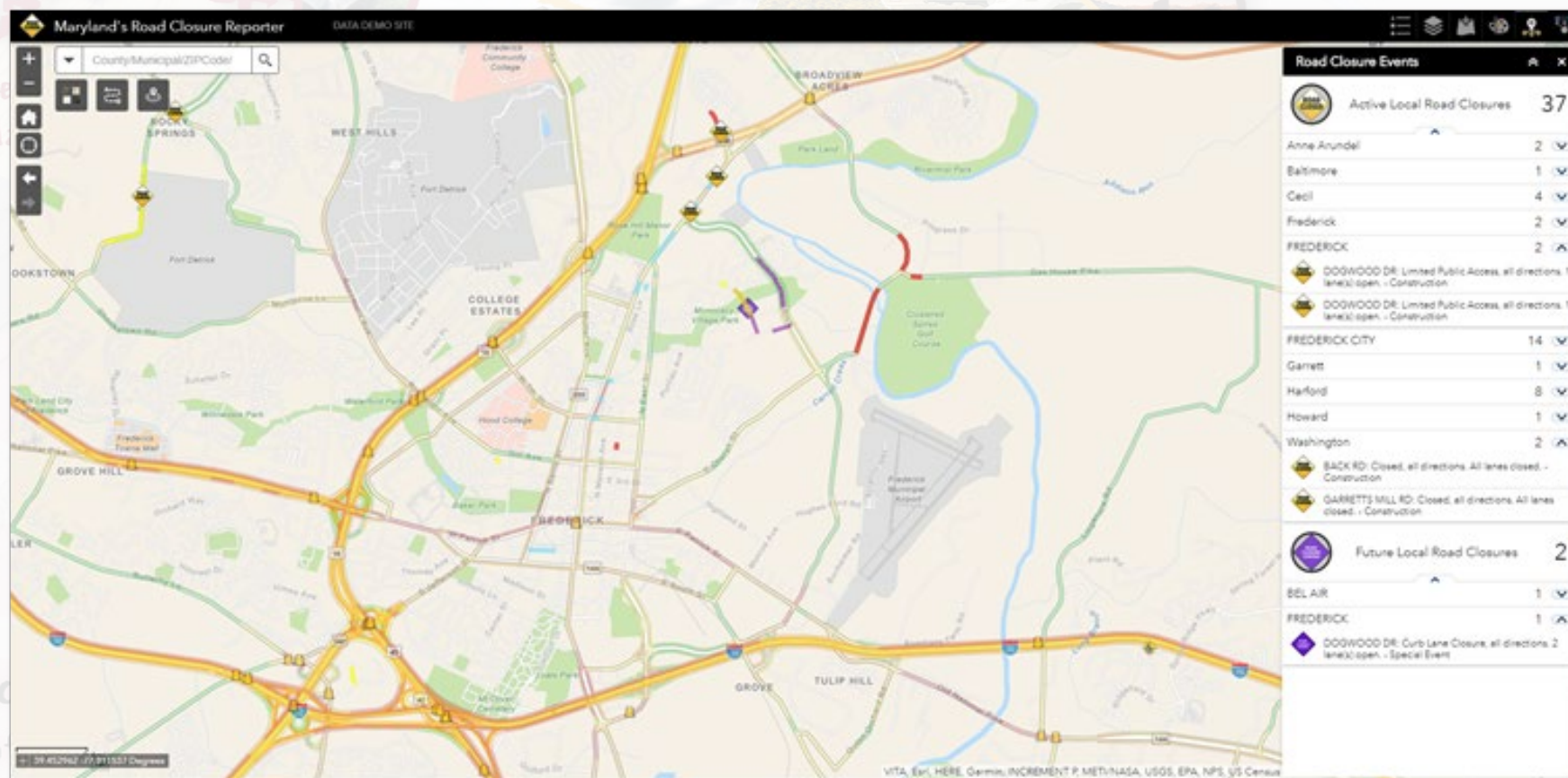
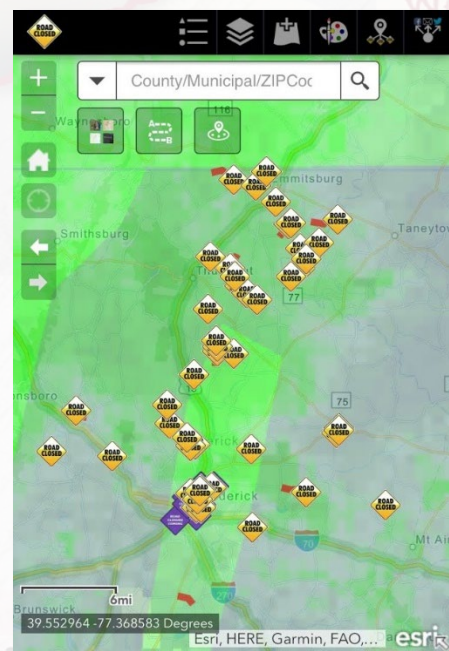
Baltimore
Metro Region



Public Viewing



Maryland's Road Closure Reporter



MEMA Osprey

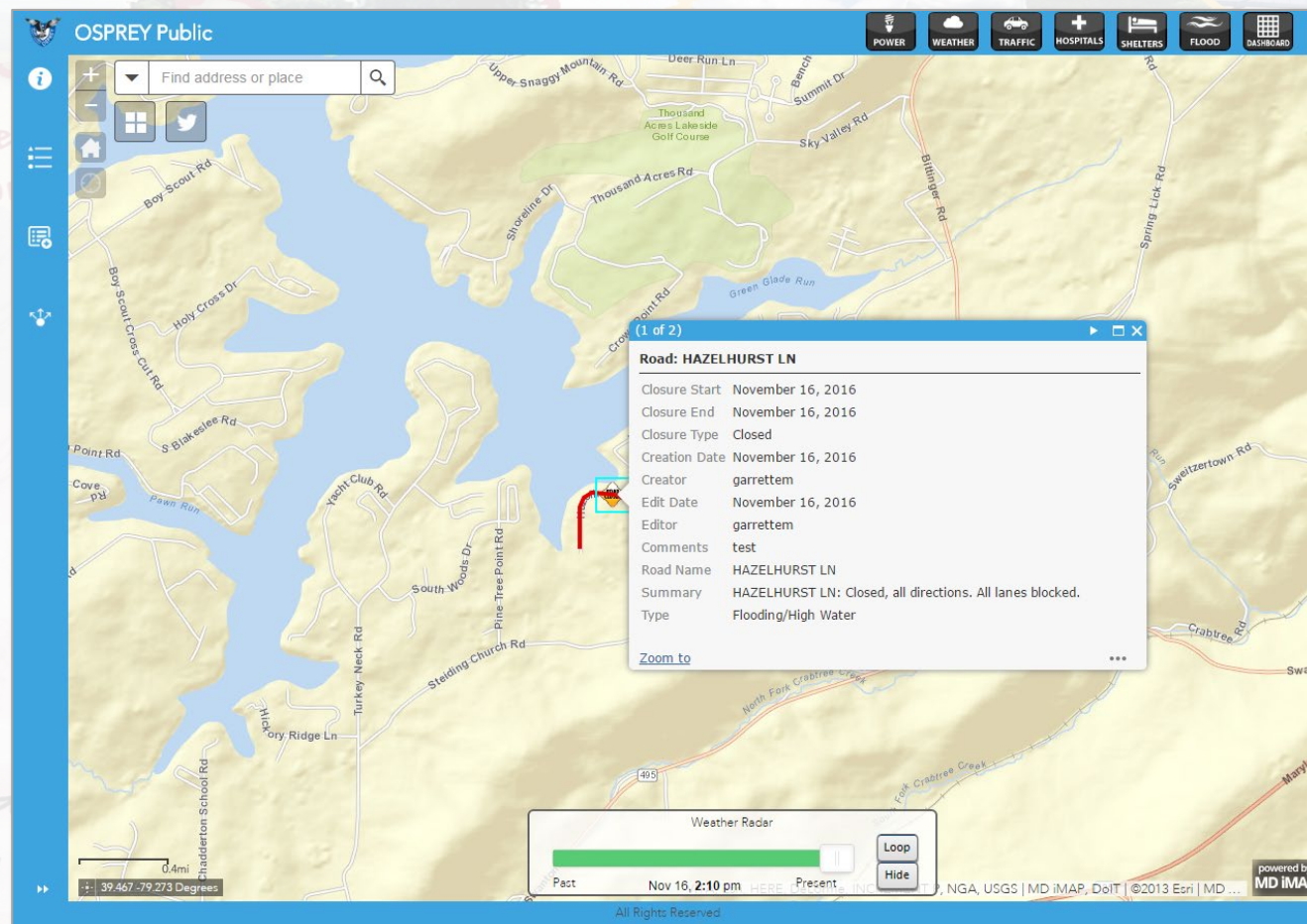


Maryland's *Road Closure Reporter*



MARYLAND DEPARTMENT
OF TRANSPORTATION

STATE HIGHWAY
ADMINISTRATION



Future (Geocortex Workflow 5)



Maryland's
Road Closure Reporter

MDOT
MARYLAND DEPARTMENT
OF TRANSPORTATION
STATE HIGHWAY
ADMINISTRATION

Toolbox

Showing 178 of 202 activities. ?

Basics

Container

Create Value

Exit

For Each

Get User Info

If

Loop

Notes

Set Property

User Interface

Alert

View Details

Workflow1 X

Create Road Closure O +

Start

Use GPS Point

Find nearest road segment

Exit workflow

If

If

Try Again?

Toolbox

Showing 178 of 202 activities. ?

Basics

Container

Create Value

Exit

For Each

Get User Info

If

Loop

Notes

Set Property

User Interface

Alert

View Details

Workflow1 X

Create Road Closure O +

Start

Initial Processing

Capture Point

Create Road Closure

I want to...

If you are on a mobile device and would like to use your current location please select the button below.

Please click on the map where you would like to report your road closure.

Road Closure Location

Get Current Location

Cancel

Submit

Search...

Sign out

Tools

Map

Layers

Create Road ...

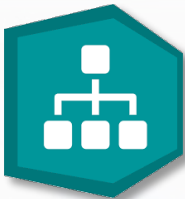
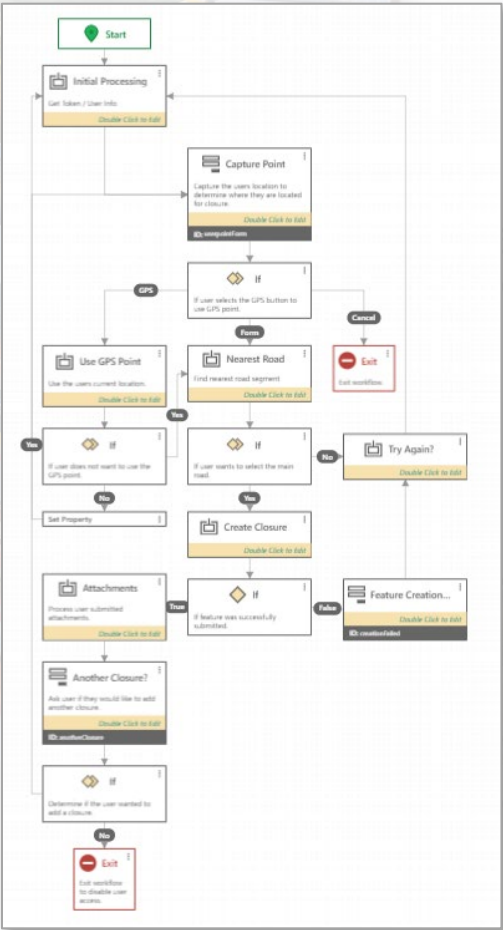
WKID: 4326 Lat/Long

Lat: 39.63° N

Lon: 78.76° W

0 100 200ft

Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS



Next Steps



Maryland's
Road Closure Reporter



- Continued Local Jurisdiction Outreach/Training
- Establish/Provide login credentials to local users as requested
- Working with agencies such as MDOT SHA (CHART) for data consumption and utilization
- Continued application and database enhancements based on local user feedback
- Migration to Geocortex Workflow 5

The Regions & Geographic
Diversity of
The Old Line State





Maryland's
Road Closure Reporter



Demonstration

MDRC Reporter Application: <https://geo.sha.maryland.gov/mdrc>

Map Services: https://geodata.md.gov/appdata/rest/services/SHA_RoadClosure

Public Viewer: <https://arcg.is/2fdIING>

MEMA Osprey Public: <https://geodata.md.gov/ospreypublic/>

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Baltimore
Metro Region

Western
Maryland

Washington
Metro Region

Eastern
Shore

Southern
Maryland

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Thank You
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