VDOT

Virginia Department of Transportation

VDOT TRAVELER INFORMATION OVERVIEW
Endeavor-VA Webinar

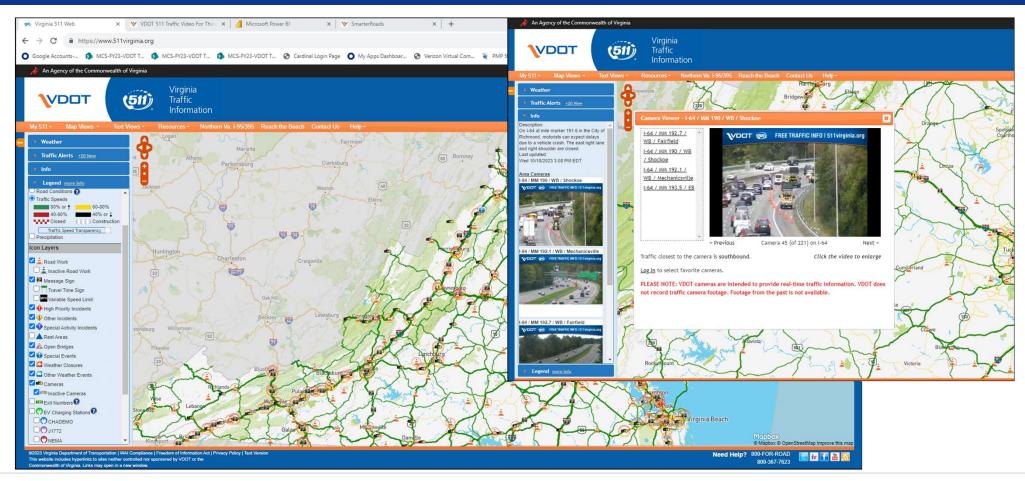Crystal Underwood   10/19/2023

VDOT Public Traveler Information

- **Where can the public find real time road status, condition, and traffic camera information?**

    - www.511virginia.org

    - Downloading Virginia 511 mobile app

    - Calling 511

511 Features

- Traffic speed

- Road conditions

- Traffic camera access

- Road/ Incident reports – text tables

- Travel times

- Waze reported events

- Weather related alerts and press releases

- Weather pavement sensor data

511virginia.org

Traffic Data- 3rd party and Developer resources

Smarterroads.org

- Publicly available raw traffic data sets that can be used by developers and researchers.

VDOT Media Claris Video Portal service

- https://www.virginiadot.org/newsroom/511_video.asp
- Provides access to public traffic cameras and choice of API feed or credentialed access.

Smarterroads.org

- **Raw** data sets available for consumption by 3rd parties

- 3rd party data ingested and provided for wider consumption by VDOT partners or localities such as tolling entities (Transurban, Conduent, etc)

- Formats of data include : XML, XLS, ZIP, JSON, Shapefile and update rates.

Smarterroads.org – Available Datasets

Average Daily Traffic
Listing of each interstate and primary highway that estimates the average traffic on any given week day.

UPDATE RATE: Yearly

Crashes
Motor vehicle crash data that compiles all reportable accidents (crashes that involve a fatality, injury or property damage of at least $1,500).

UPDATE RATE: Yearly

Districts
Boundaries of the nine VDOT districts.

UPDATE RATE: Yearly

Dynamic Message Signs (Active)
Information on the location and the current (active) messages of all active Dynamic Message Signs (DMS) signs across the state.

UPDATE RATE: 1 Minute

Dynamic Message Signs (All)
Locations and current messages of all Dynamic Message Signs (DMS) signs across the state, regardless of being active or not.

UPDATE RATE: 1 Minute

Full Crash Data
Full crash data

UPDATE RATE: Yearly

Map Data (MAP)
Intersection information, including the location of lanes and which signal group controls the movement of each lane. Provides opportunities for safety, mobility and environment applications.

UPDATE RATE: Daily

Paving Schedules
Status of all pavement projects across the state. Pavement status is tracked by projects and are color coded to show status.

UPDATE RATE: Yearly

Road Construction
Road construction projects included in the annual Six-Year Improvement Program that outlines the planned spending for proposed transportation projects for construction development or study for the next six years.

UPDATE RATE: Yearly

Signal Phase and Timing (SPaT)
Traffic signal control information that conveys the current state of each phase in the system. Provides opportunities for safety, mobility and environment applications.

UPDATE RATE: 1 Second

Speed Limits
Speed limit information including varying factors from VDOT's Traffic Engineering Division such as vehicle type, time of day and more.

UPDATE RATE: Yearly

Tolling and Trip Pricing I-64
Dynamic tolling information for the tolled section of I-64 in the Hampton Roads region. Currently available: tolling prices for I-64. Historical data available up to 10 minute old.

UPDATE RATE: 10 Minute

Tolling and Trip Pricing I-66
Dynamic tolling information for the tolled section of I-66 in Northern Virginia. Currently available: tolling prices for I-66. Historical data available up to 6 minute old.

UPDATE RATE: 6 Minute

Tolling and Trip Pricing I-95 I-495
Dynamic tolling information for the tolled section of I-95 and I-495 in Northern Virginia. Currently available: tolling prices for I-95 and I-495. Historical data available up to 10 minutes old.

UPDATE RATE: 10 minute

Traffic Sensor Stations
Data from Traffic Sensor Stations (TSS).

UPDATE RATE: 1 Minute

Traffic Signals
Traffic Signals.

UPDATE RATE: Monthly

Travel Advisories & Lane Closures
Weekly lane closures and potential travel advisories based on information from VDOT's 511 tools.

UPDATE RATE: 1 Minute

Truck Parking
Parking Information for trucks. (Available data is "historical only" and only available through August 31, 2022)

UPDATE RATE: 1 Minute

Truck Restrictions
Information on specified bridges, culverts, and tunnels in the state whose use by vehicles exceeding DMV's maximum legal limitations is restricted.

UPDATE RATE: Quarterly

VDOT Incidents
Information on VDOT incidents

UPDATE RATE: 1 Minute

VDOT Road Closures
Road Closures From VDOT 511

UPDATE RATE: 1 minute

Vehicle Miles Traveled
Daily Vehicles Miles Traveled (VMT) by jurisdiction and vehicle class for public road segments across the state of Virginia.

UPDATE RATE: Yearly

Weather Events (Long)
Information on long-term weather events

UPDATE RATE: 1 Minute

Weather Events (Long Defaults)
Information on long-term weather defaults

UPDATE RATE: 1 Minute

Weather Events (Short)
Information on short-term weather events

WorkZone Data eXchange (WZDx)
The Work Zone Data Exchange (WZDx) Specification enables infrastructure owners and operators (IOOs) to make harmonized work zone data available
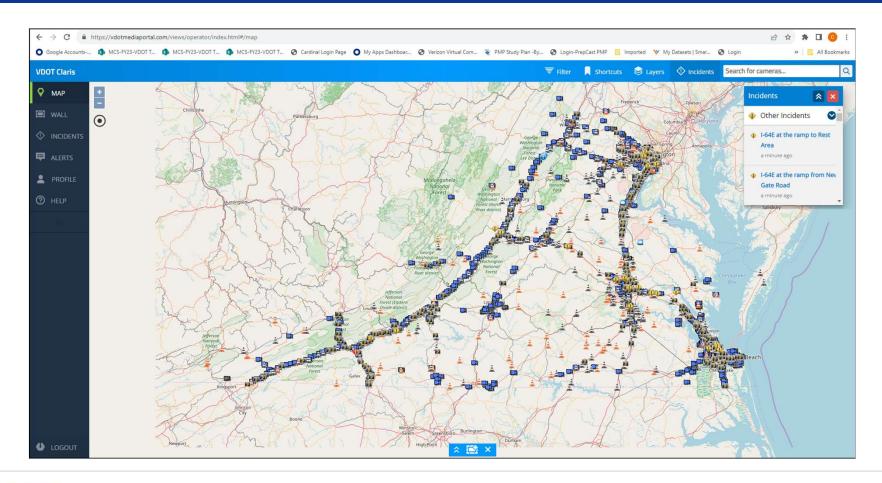
vdotmediaportal.com

- Users can create customized video wall

- Users set preferences and several "views"/ video walls

- Users can select an incident to see closest cameras

VDOT does not record traffic camera footage.

User agreements must be adhered to for access to the portal.

VDOT Media Claris Portal

Reporting Road issues

Immediate dangers on roadway impacting traffic call 911

VDOT resources to report road issues:

- **1-800-FOR-ROAD**
- **https://my.vdot.virginia.gov/**

Note: VDOT does not maintain roads in cities, towns, or in Henrico and Arlington counties, except for interstates and major primary roads.
VDOT does not maintain all sidewalks, or pedestrian or bike paths. Some may be maintained by localities.

VDOT- Report a Road Problem

Contact Information

For further information or questions concerning the content presented today please reach out to:

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