



VDOT TRAVELER INFORMATION OVERVIEW

Endeavor-VA Webinar

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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

The screenshot displays the 511virginia.org website interface. At the top, there is a navigation bar with the VDOT logo and "Virginia Traffic Information". Below this is a secondary navigation bar with links for "My 511", "Map Views", "Text Views", "Resources", "Northern Va I-95/395", "Reach the Beach", "Contact Us", and "Help".

The main content area features a large traffic map of Virginia. On the left side, there is a "Legend" panel with various categories and icons, including "Road Conditions", "Traffic Speeds", "Icon Layers", and "Cameras". The "Traffic Speeds" section shows color-coded indicators for 80% or +, 60-80%, 40-60%, and 20% or -.

On the right side, there is a "Camera Viewer" panel for "I-64 / MM 190 / WB / Shockoe". It includes a video feed showing traffic on the road, a "Description" section with details about a vehicle crash at mile marker 191.6, and a list of "Area Cameras" with their respective locations and directions. Below the video feed, there are navigation controls for "Previous" and "Next" cameras, and a "Click the video to enlarge" instruction.

At the bottom of the page, there is a footer with copyright information for 2023, a "Need Help?" section with the phone number 800-FOR-ROAD (800-367-7623), and social media icons for Twitter, Facebook, and YouTube.

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

<p>Average Daily Traffic</p> <p>Listing of each Interstate and primary highway that estimates the average traffic on any given week day.</p> <p>UPDATE RATE: Yearly</p>	<p>Crashes</p> <p>Motor vehicle crash data that compiles all reportable accidents (crashes that involve a fatality, injury or property damage of at least \$1,500).</p> <p>UPDATE RATE: Yearly</p>	<p>Districts</p> <p>Boundaries of the nine VDOT districts.</p> <p>UPDATE RATE: Yearly</p>	<p>Dynamic Message Signs (Active)</p> <p>Information on the location and the current (active) messages of all active Dynamic Message Signs (DMS) signs across the state.</p> <p>UPDATE RATE: 1 Minute</p>	<p>Tolling and Trip Pricing I-66</p> <p>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.</p> <p>UPDATE RATE: 6 Minute</p>	<p>Tolling and Trip Pricing I-95 I-495</p> <p>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.</p> <p>UPDATE RATE: 10 minute</p>	<p>Traffic Sensor Stations</p> <p>Data from Traffic Sensor Stations (TSS).</p> <p>UPDATE RATE: 1 Minute</p>	<p>Traffic Signals</p> <p>Traffic Signals.</p> <p>UPDATE RATE: Monthly</p>
<p>Dynamic Message Signs (All)</p> <p>Locations and current messages of all Dynamic Message Signs (DMS) signs across the state, regardless of being active or not.</p> <p>UPDATE RATE: 1 Minute</p>	<p>Full Crash Data</p> <p>Full crash data</p> <p>UPDATE RATE: Yearly</p>	<p>Map Data (MAP)</p> <p>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.</p> <p>UPDATE RATE: Daily</p>	<p>Paving Schedules</p> <p>Status of all pavement projects across the state. Pavement status is tracked by projects and are color coded to show status.</p> <p>UPDATE RATE: Yearly</p>	<p>Travel Advisories & Lane Closures</p> <p>Weekly lane closures and potential travel advisories based on information from VDOT's 511 tools.</p> <p>UPDATE RATE: 1 Minute</p>	<p>Truck Parking</p> <p>Parking information for trucks. (Available data is "historical only" and only available through August 31, 2022)</p> <p>UPDATE RATE: 1 Minute</p>	<p>Truck Restrictions</p> <p>Information on specified bridges, culverts, and tunnels in the state whose use by vehicles exceeding DMV's maximum legal limitations is restricted.</p> <p>UPDATE RATE: Quarterly</p>	<p>VDOT Incidents</p> <p>Information on VDOT incidents</p> <p>UPDATE RATE: 1 Minute</p>
<p>Road Construction</p> <p>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.</p> <p>UPDATE RATE: Yearly</p>	<p>Signal Phase and Timing (SPaT)</p> <p>Traffic signal control information that conveys the current state of each phase in the system. Provides opportunities for safety, mobility and environment applications.</p> <p>UPDATE RATE: 1 Second</p>	<p>Speed Limits</p> <p>Speed limit information including varying factors from VDOT's Traffic Engineering Division such as vehicle type, time of day and more.</p> <p>UPDATE RATE: Yearly</p>	<p>Tolling and Trip Pricing I-64</p> <p>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.</p> <p>UPDATE RATE: 10 Minute</p>	<p>VDOT Road Closures</p> <p>Road Closures From VDOT 511</p> <p>UPDATE RATE: 1 minute</p>	<p>Vehicle Miles Traveled</p> <p>Daily Vehicles Miles Traveled (VMT) by jurisdiction and vehicle class for public road segments across the state of Virginia.</p> <p>UPDATE RATE: Yearly</p>	<p>Weather Events (Long)</p> <p>Information on long-term weather events</p> <p>UPDATE RATE: 1 Minute</p>	<p>Weather Events (Long Defaults)</p> <p>Information on long-term weather defaults</p> <p>UPDATE RATE: 1 Minute</p>
				<p>Weather Events (Short)</p> <p>Information on short-term weather events</p>	<p>WorkZone Data eXchange (WZDx)</p> <p>The Work Zone Data Exchange (WZDx) Specification enables infrastructure owners and operators (IOOs) to make harmonized work zone data available</p>		

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

The screenshot displays the VDOT Media Claris Portal interface. The browser address bar shows the URL <https://vdotmediaportal.com/views/operator/index.html#/map>. The page title is "VDOT Claris". The top navigation bar includes "Filter", "Shortcuts", "Layers", "Incidents", and a search box for cameras. The left sidebar menu contains "MAP", "WALL", "INCIDENTS", "ALERTS", "PROFILE", "HELP", and "LOGOUT". The main map area shows a detailed view of Virginia with numerous incident markers (blue and yellow icons) overlaid on the road network. A right-hand panel titled "Incidents" is open, showing a list of recent incidents: "Other Incidents", "I-64E at the ramp to Rest Area" (a minute ago), and "I-64E at the ramp from New Gate Road" (a minute ago).

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

The screenshot displays the VDOT myVDOT website interface. At the top, it features the VDOT logo and the text 'Virginia Department of Transportation' on the left, and 'myVDOT' on the right. Navigation links for 'Sign In or Register' are visible in the top right corner. Below the header, there is a breadcrumb trail: '< Go to www.virginiadot.org'. A horizontal menu contains four items: 'Need' (highlighted in orange), 'Location', 'Details', and 'Contact'. The main content area is titled 'How can we help you?' and includes a yellow warning box: 'If your request is related to a road hazard that needs immediate attention, please call 1-800-367-7623 (FOR-ROAD). For emergencies, please dial 911.' Below this, a list of radio button options is provided: 'I need a road repaired', 'I need something removed from a road', 'I need signs, signals, or guardrail repaired', 'I need new signs or traffic devices installed', 'I need to report an issue on a sidewalk, or pedestrian or bicycle path', 'I have a question or need information', and 'I want to submit a claim (includes mailbox damage)'. On the right side, there is a 'Check service request status' section with a text input field and a green 'Check status or follow up' button. Below that, a 'Traffic Information' section features the text '511 offers real-time traffic info. Anytime you need it, anywhere you are.' and the VDOT 511 logo. A 'Popular Links' section includes a link for 'Land Use Permits' and a 'Chat with us' button at the bottom.

Contact Information

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

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