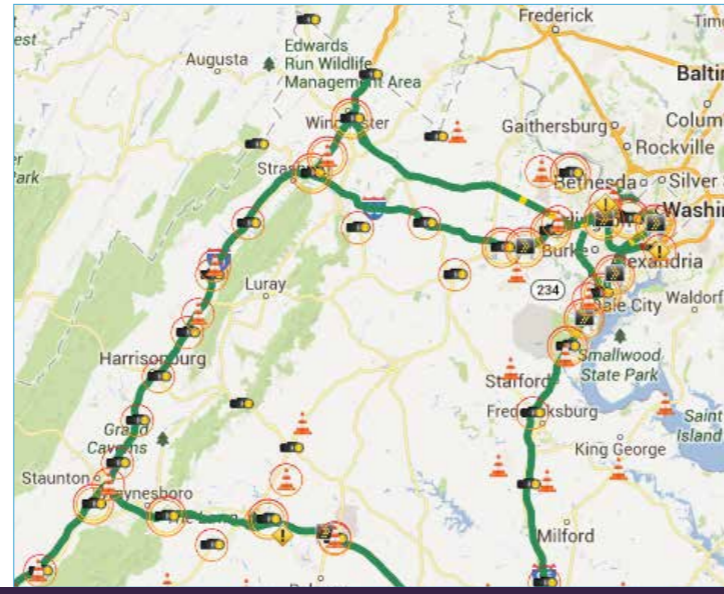


Skyline Presents

VDOT

511Virginia.org

Learn more at [TheSkylineDifference.com](http://TheSkylineDifference.com).

Our team of experienced IT consultants are available to help your organization find the right solution.

Contact us today.

1.410.795.2700

[Sales@Skylinenet.net](mailto:Sales@Skylinenet.net)

## SKYLINE PRODUCTS & SERVICES USED

- Claris Portal
- Stream Manager
- TS1000, SFS1000, VA1000, MV1000
- Network Engineering
- Network and Systems Security
- Network Design
- System Engineering
- Software Engineering
- Webpage Development

SKYLINE  
TECHNOLOGY SOLUTIONS

## VIRGINIA CASE STUDY

Virginia DOT is a leader in providing ITS information to the traveling public. In an effort to consolidate this information into one contract, VDOT issued a competitive RFP to select a new team to provide video, data and other information to the public. The goal was to select a team that could provide cutting edge technology for IVR, website, mobile video and data distribution.

## VIRGINIA PARTICIPANTS

- Northern VA Fairfax TOC
- Northwest VA Stanton TOC
- Southwest VA Salem TOC
- Central VA Richmond TOC
- Eastern Hampton Roads TOC
- City of Hampton
- City of Fairfax
- Virginia State Police
- State of Maryland
- City of Charlottesville

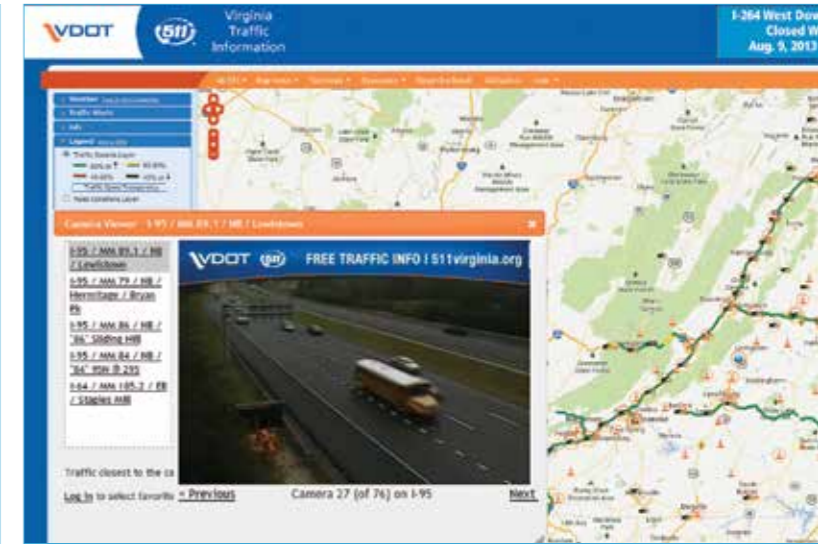
## CHALLENGE

- Ingest 700+ traffic management cameras from five traffic operations centers; (TOC)s dispersed through Virginia.
- Distribute live video to the public via a 511 website and mobile application.
- Distribute live video to media partners, provide a viewing platform and access to a dynamic API.
- Distribute live video to agency partners and first responders within the State of Virginia and bordering states via a secure portal.

## SOLUTIONS

Skyline established private MPLS network to each traffic operations center in the state, installed network and video appliance equipment outside the firewalls in partnership with the local VDOT staff and established a distribution point in a Tier 1 data center.

Skyline monitors and maintains the entire solution from end to end utilizing our 24/7/365 staffed Network Operations Center (NOC).



## RESULTS

- Transitioned from a picture every 2-4 seconds to live streaming video at 15 frames per second for all 700+ cameras.
- Video is available on a VDOT 511 website and mobile App.
- Live video is now in a standard format that can be ingested by any partner agency, media, law enforcement and first responders free of charge.
- Claris provides access to all networked cameras video streams via PC, tablet or smart phone, as well as management of user groups.
- Access for new partners can now be granted in a matter of minutes, not weeks or months.
- First Responders have access to the video via an SSL portal that is free of charge and can be accessed.