

VIRGINIA DEPARTMENT OF TRANSPORTATION STATEWIDE ATMS - VIRGINIA, USA



The Virginia Department of Transportation (VDOT) sought a modular Advanced Traffic Management System (ATMS) that would provide consistent operations throughout the state reducing maintenance costs, and provide the advantages of a centralized, web-based software.

In 2016, Q-Free was awarded the VDOT statewide ATMS project that includes five releases as well as operations and maintenance services.

Q-Free will deliver its proven centralized web-based OpenTMS™ software and services, that will bring five transportation Operations Centers (TOC) on a single statewide platform and provide VDOT with many advantages and advanced features.

Q-Free has been providing ATMS services to VDOT since 2002, including some of our more notable projects:

- Richmond Traffic Operations Center (2002)
- Staunton Traffic Operations Center (2004)
- Salem Traffic Operations Center (2005)
- Statewide Condition Reporting System (VaTraffic) (2007-ongoing)
- Public Safety Access Point (PSAP) 911/CAD Integrations (2008-ongoing)
- Northern Virginia ATMS and Data Gateway Deployment (2009)
- (2009-ongoing)

- Capital Beltway I-495 Express Lanes Center to Center Communication System and PSTOC Integration (2011)
- Support DataHub at high volume and high availability (TV&D) (2011)
- “Reach the Beach” extended journey travel time via DMS (2012)

INSTALLATION HIGHLIGHTS

- Consistent operations throughout the state
- Technology upgrade from a client/server application to a hosted browser based application that is accessible through a standard web browser
- Highly available architecture including redundant operation centers for mission-critical TOC functions
- Facilitate consistent and planned, intelligent responses to incidents through statewide automated Response Plans
- Reduced maintenance costs due to the elimination of regionally maintained systems

