

DELAWARE DEPARTMENT OF TRANSPORTATION STATEWIDE ATMS - DELAWARE, USA

Q-Free has been providing traffic operations systems and service to DelDOT since 2007. In that time, they have added significantly to our operations at the Statewide Transportation Management Center.

- Gene Donaldson,

DelDOT TMC Operations Manager

Delaware Memorial Bridge

The Delaware Department of Transportation (DelDOT) needed a state-wide ATMS that would provide a solid platform to integrate their system overtime and seamlessly integrate with their count detector stations and disseminate traffic information to the public.

In 2007, Q-Free deployed OpenTMS, Q-Free's sophisticated Advanced Traffic Management Solution (ATMS), plus the detector module to support the StopWatch firmware. This allows OpenTMS to poll the detectors on a configurable schedule once per minute versus once per day. This integration with existing continuous count detector stations provided an extremely cost-effective way to get real-time data from the field without requiring a new device installation and additional maintenance for new detectors.

The traffic data is not only collected for operational use within the TOC, but is also provided via a web application for the Department management's use and disseminates traveler information to its citizens through the DelDOT website. All of these devices are controlled via a single statewide TOC.

More recently, in 2009 DelDOT contracted Q-Free to deploy the Changeable Message Sign module followed by the design, development, and deployment of a new module for Variable Speed Limit control.

In 2016, Q-Free and DelDOT recently completed the upgrade and expansion of the OpenTMS V.8 deployment in the Statewide Transportation Management Center in Smyrna. The upgrade was completed in less than six weeks from notice to proceed and included the migration to the newest cloud-based version of OpenTMS, configuration and deployment of three additional ATMS modules, updating the mapping interface to Google Maps, and integration with Active Directory.

INSTALLATION HIGHLIGHTS

- Seamless integration with third party detectors
- Cost-effective, real time field data
- Traffic data provided to TOC and via web for managements use and review
- DelDOT uses OpenTMS data to drive other processes and they have written their own integrations
- User intuitive platform allows DelDOT to remain self-sufficient and perform their own maintenance.

