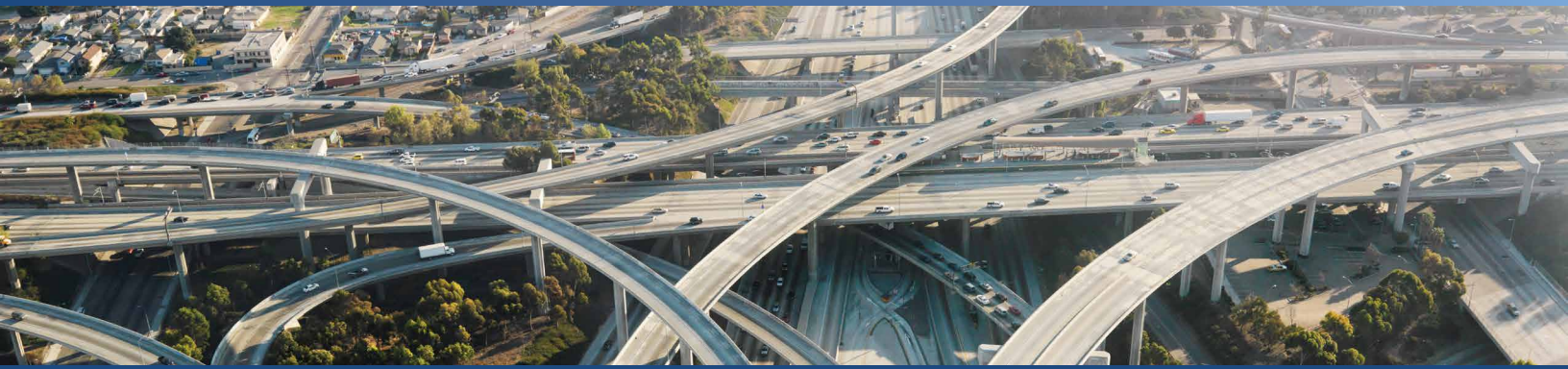


## Department of Transportation Communications Solutions



### Upgrading Your City's Traffic Management System

Overseeing a complex transportation network with thousands of miles roadways, tens of thousands of miles of sidewalk, hundreds of signalized intersections and dozens of bridges and tunnels, requires tremendous effort. When you include traffic cameras, roadway digital signage, and vehicle detection systems, transportation departments (DOTs) have come to understand that they need reliable high-speed connectivity managed through a centralized platform to effectively operate these systems.

#### The Challenge | Modernizing Traffic System Monitoring and Management

Transportation networks that rely on wired-lines or outdated cellular devices and platforms need to modernize their system. Some of the critical areas where DOT technology needs to improve include dual carrier failover/fallback, a centralized platform for device management, cyber-encryption, and support for Connected Vehicles (CV). Incorporating emerging trends in transit network management has compelled DOTs to embrace more advanced cellular connectivity solutions.

#### The Solution | Digi Gateways and Cloud Management Platforms

Running a large and diverse transportation communication network that requires 99.99% availability mandates high levels of automation, reliable hardware, and a cloud software platform, and network fault tolerance/redundancy. Transportation departments also need sophisticated management tools and accurate performance metrics. By implementing a hybrid network infrastructure with Digi TX54 LTE-A Dual Cellular routers at each intersection, and Digi Remote Manager for the management of transportation system IoT, transportation departments have been able to meet required performance standards on a network built to scale.

#### The Results | Reliable Remote Access to Key Systems

Upgrading your city's transportation network with a turnkey central management platform available from RTO, such as Digi Remote Manager® provides DOTs automated access to critical link-level performance data for real-time troubleshooting and remediation. Digi's dual carrier routers enable automatic failover to secondary carriers during network outages, falling back to the AT&T FirstNet® network. Finally, by modernizing the devices and platform of transportation systems, you can ensure that your network remains secure from all internal and external threats.

#### The Team | Device Provisioning, Activation and Installation Services

For over 17 years, RTO has provided IoT connectivity solutions to private businesses and their transit agency clients in need of top-of-the-line LTE, PLTE, and 5G networking solutions. We provide top-tier support for all aspects of your mission-critical connectivity projects. Our techs and installation teams assess your needs and engineer customized solutions — providing your organization with the hardware and software it needs to meet your clients' exacting requirements.

#### Industry Profile

- Departments of Transportation
- Transit Authorities

#### Technology Solutions

- Digi TX54 Cellular Router
- Digi Remote Manager®

#### Targeted Results

- Real-Time Data
- Improved Efficiency
- Ruggedized Devices
- Remote Management



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www.realtimeops.com • 919-442-0038 • info@realtimeops.com