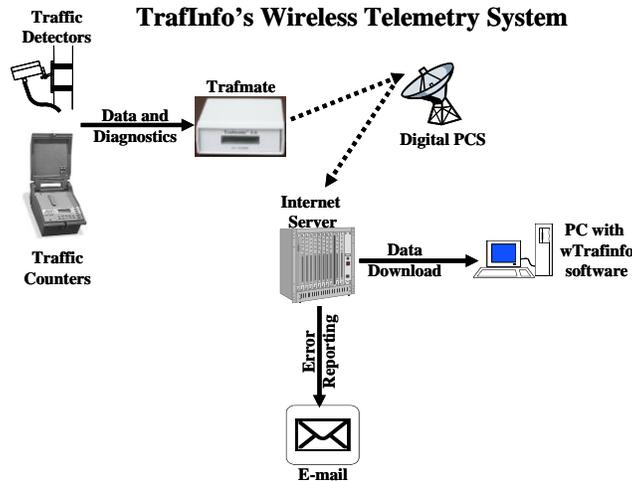


Statewide Wireless Telemetry Installation, and Maintenance Rhode Island Department of Transportation

Duration: 2004-2014
Project Cost: \$500,000
Firm Fee: \$500,000
Role: Prime Consultant



TrafInfo Communications, Inc. has deployed a wireless telemetry system at about 200 locations throughout the State of Rhode Island. The system allows the DOT to obtain data from their traffic detectors and automatic traffic recorders using wireless technology and the Internet.

The entire system is an integration of wireless Internet communication, several major traffic sensors and counters, Internet-based server technology, browser-based user interface to the remote devices and client software for interface to existing software systems.

The data transmitter called Trafmate™ interfaces with the automatic traffic recorders or non-intrusive sensors. The Trafmate periodically checks for proper operation of the recorders. If any problems are detected, the Trafmate immediately sends an error message to maintenance personnel. It also automatically downloads data either in real-time or daily 24-hour traffic count files from the traffic monitoring device and transmits it using wireless technology to an Internet server. The Internet server runs Linux® operating system with MySQL® database engine and PERL scripts for server software. A client software called wTrafinfo™ allows the user to securely connect to the Internet server and downloads the data in a format that could be read by the user's existing traffic data processing applications.

TrafInfo is responsible for installation as well as maintenance of the wireless telemetry system and the field devices in partnership with RIDOT using an in-house web-based management system.

TrafInfo Station Status Management System

Login Active Stations Inactive Stations Failed Stations Other Stations Enter Maintenance Activity

To view station statuses or enter maintenance activities please log in below.

Username	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Login"/>	

