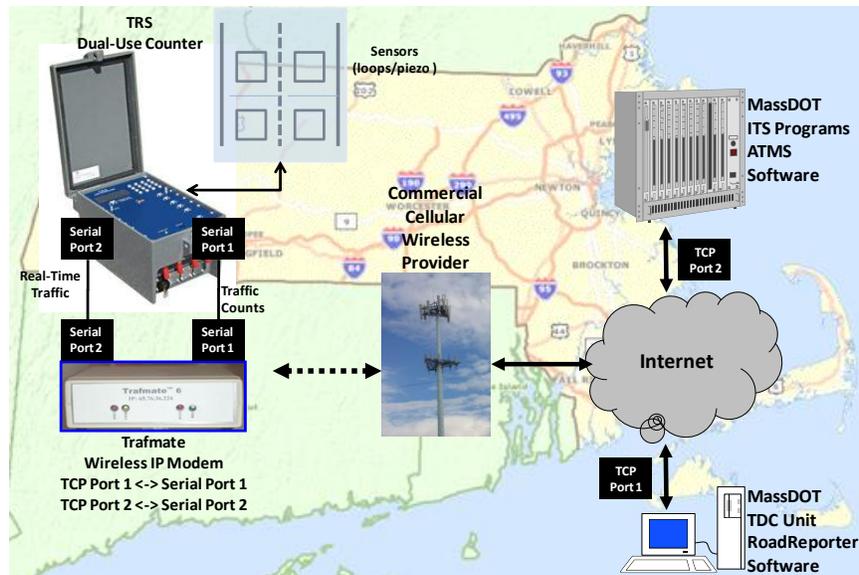


# Statewide Telecom for Traffic Data Collection Massachusetts Department of Transportation

Duration: 2010-2014  
Project Cost: \$840,000  
Firm Fee: \$840,000  
Role: Prime Consultant



TrafInfo Communications, Inc. (TrafInfo) was selected to provide telecommunication equipment at about 400 locations through the Commonwealth of Massachusetts.

The contract involves furnishing, installing and maintaining the telecommunication equipment. Different telecommunication systems are anticipated to be utilized part of this contract. At most of the traffic data collection stations, commercial digital broadband cellular systems will be utilized for their ease of installation and availability virtually throughout the Commonwealth. At locations where MassDOT has easy access to existing state-owned fiber optic system, TrafInfo plans to install wireless Point-to-Point radio systems to provide a bridge between the serial traffic data collection devices and the nearby fiber-optic hub/node. On some rare instances, especially in rural areas, the telecommunication equipment is likely to be dial-up telephone or even wireless satellite technology.

A unique feature of this project is the installation, for the first time in Massachusetts, of “Dual-Use” traffic data collection equipment. TrafInfo worked with MassDOT in developing the specifications for this equipment. Subsequently, TrafInfo worked with MassDOT to test the equipment and suggest modifications to allow for dual-use of the equipment to provide traditional traffic count information to the MassDOT’s Traffic Data Collection unit but also provide real-time traffic volume, occupancy and speed to the MassDOT’s ITS Programs Unit. This is anticipated to result in significant cost-savings to the Commonwealth as the same piece of equipment has been designed to serve two purposes.

