

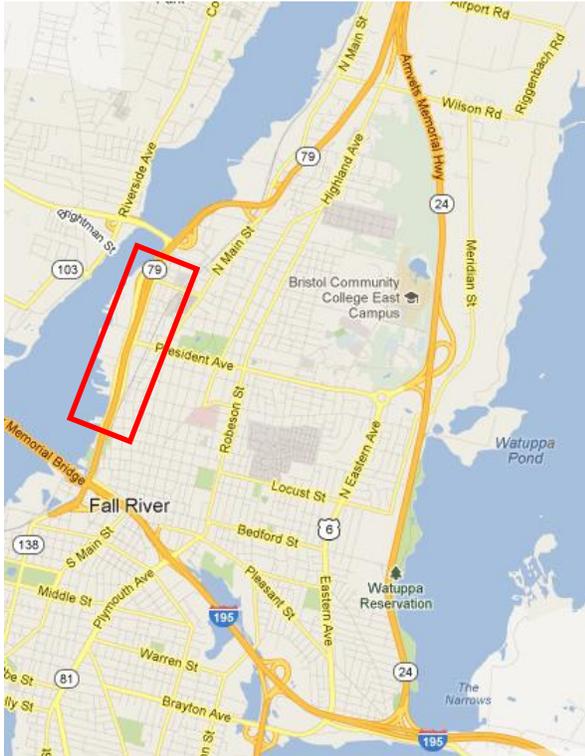
# Micro-simulation Modeling

## Route 79 Transportation Improvement Project

### City of Fall River, MA

**Duration: 2012-2013**  
**Project Cost: \$500,000**  
**Firm Fee: \$60,000**  
**Role: Sub-consultant**

TrafInfo Communications, Inc. (TrafInfo) is part of the consultant team for the Route 79 Transportation Improvement Project in Fall River, Massachusetts.



TrafInfo's main task is to develop a detailed micro-simulation model that covers Route 79 and N. Davol St between Brightman St and Cedar St using the software package VISSIM. This comprehensive 3D VISSIM model will show a clear demonstration of the impacts of the proposed highway changes and expected new developments on vehicular traffic as well as on pedestrians, bicyclists, transit, and parking facilities within the network. The model will be calibrated for the existing conditions based on existing traffic volumes in the am and pm peak hours and will be modified as necessary to develop models for the no-build and build scenarios.

This VISSIM model will allow for a better understanding of the potential impacts of changing the access control of Route 79. VISSIM provides internal model statistics which allow for the computation of performance measures such as travel time, delay, queue lengths, and pedestrian/bicycle impacts that will greatly enhance the comparison of alternatives. Further measures such as the vehicle-miles and vehicle-hours traveled can be used as inputs to assess the economic impacts resulting from the alternatives. TrafInfo will use the model to provide input on the assessment and development of long term recommendations.

