
Micro-simulation Modeling Adams Green Transportation Improvement Project City of Quincy, MA

Duration: 2012
Project Cost: \$500,000
Firm Fee: \$20,000
Role: Sub-consultant

TrafInfo Communications, Inc. (TrafInfo) is part of the consultant team for the Adams Green Transportation Improvement Project in Quincy, Massachusetts that will result in a final roadway and streetscape design to support the new Adams Green Park.



TrafInfo's major task was to provide traffic modeling including VISSIM traffic simulations to help the public understand how vehicles will flow under the proposed conditions which involved converting an existing one-way circulation in Quincy Center to two-way traffic patterns. This comprehensive 3D VISSIM model incorporates the various elements of the proposed system including streetscape design, improvements to signals and intersection geometry as well as to pedestrian and bicycle facilities, on-street parking, and

transit within the network.

The model was constructed to specifically include on-street parallel parking as well as the adjacent bike lanes. The VISSIM model, which included 3D buildings constructed using Google BuildingMaker and Google SketchUp, allowed the public the opportunity to visualize the proposed changes within the project area and to understand the projects capability to allow Adams Green to achieve its full potential as a new, green, bicycle and pedestrian friendly, transit-accessible focal point for the downtown.

