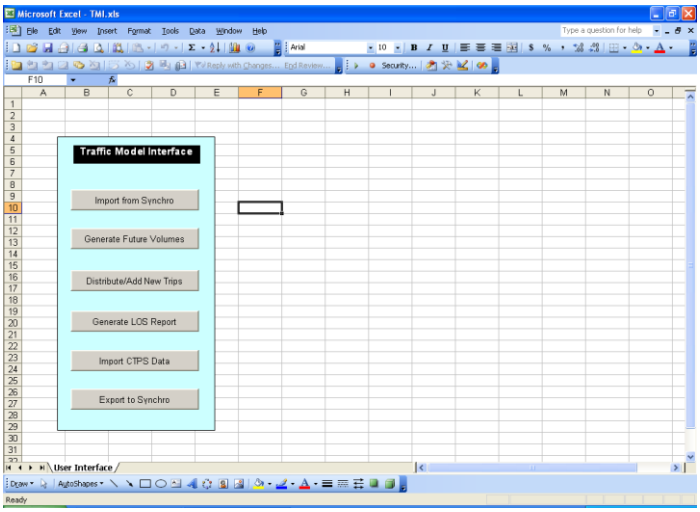
Crosstown/Longwood Medical Area
Traffic Modeling Services
City of Boston, Massachusetts

Duration: 2003-2004
Project Cost: $250,000
Firm Fee: $25,000
Role: Sub-consultant



TrafInfo Communications, Inc., as the modeling subcontractor on a team, developed a Traffic Model Interface (TMI) for the Boston Transportation Department (BTD) and the Boston Redevelopment Authority (BRA).

The City has developed a Synchro network of the entire Longwood Medical Area (LMA) and adjacent neighborhoods consisting of over 250 intersections. In order to assist the City in importing and exporting traffic volumes to and from the Synchro network, TrafInfo developed the TMI. The TMI is a Microsoft Excel spreadsheet with a complete user interface. It has several Windows-based user interface developed using the Visual Basic for Application (VBA).

The TMI allows the user to read Synchro volumes that have been saved in the Universal Traffic Data Format (UTDF) into the Excel spreadsheet. The TMI enables the user to project existing condition volumes into a future year using a growth rate. A key highlight of the TMI is that it allows the user to distribute trip generations of proposed land use developments. Thus, with the TMI the user can generate No-build as well as Build volumes for alternative land use developments and easily import the information into Synchro for testing. The TMI allows the user to export the future year volumes into the UTDF for import into Synchro.

Another important feature of the TMI is that is can generate a LOS table in Excel by reading the reports generated by Synchro. The TMI also has the capability to import long term traffic forecasts from the Boston MPO's regional travel demand forecasting model.

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