

3.4.1

DVRPC's Use of OpenStreetMap and Google Transit Feed in Transportation Planning

Presenter

Wolfgang Scherr
Sr. Transportation Engineer
DVRPC
wscherr@dvrpc.org

Co-Presenter

Ms. Drashti Joshi
DVRPC

The Delaware Valley Regional Planning Commission (DVRPC) is the Metropolitan Planning Organization (MPO) for the bi-state region of Greater Philadelphia. As the MPO, DVRPC maintains a regional model to forecast travel demand. Currently, the DVRPC is undertaking a three-year upgrade project of this model, which includes the migration to the new software platform VISUM, update of all data and parameters and integration with GIS-T. After analyzing many different possible data sources, the DVRPC decided to update the GIS-T database of the model from web 2.0 data, a.k.a. voluntary geographic information (VGI). The two main data sources for GIS-T are:

- 1) The "OpenStreetMap" (OSM), to supply the routable street dataset
- 2) Google transit feed (GTFS)
- 3) Other GIS and GIS-T data from government agencies in the region

The presentation will share the experience in using and integrating the data from these emerging web 2.0 sources. Results from the calibration of the forecasting model will be shown.