

University of Pittsburgh  
Department of Civil and Environmental  
Engineering  
Urban Transportation Planning Class  
Spring Term 2012

Class Project  
Final Presentation

Borough of Carnegie Transit Oriented  
Development Transportation Impact  
Study

# Carnegie TOD Transportation Impact Study

The purpose of this class project - To learn and implement the urban transportation planning process from beginning to end.

## Background

- Carnegie Borough is the terminus point for the West Busway in Pittsburgh
- The Busway Station area has been identified as a potential location for development because of the attractive regional transit access.

# Carnegie TOD Transportation Impact Study

## Background

- The area that was studied included the portion of the Borough of Carnegie that may be impacted by future development
- The development potential for the TOD was determined by the Southwestern Pennsylvania Commission recent study
- The future land use plan developed for the TOD was used as the basis of the transportation impact study.

# Carnegie TOD Transportation Impact Study

Four Student Teams performed the study:

- Traffic
- Transit
- Pedestrian
- Land Use and Parking

# Carnegie TOD Transportation Impact Study

Work performed by each student team included:

- Data was collected in the form of primary and secondary sources for traffic, transit, pedestrian and land use/ parking information.
- Each team performed an assessment of existing transportation capacity conditions to establish a baseline.
- Future baseline and combined conditions were forecasted for each mode with future growth (auto, pedestrian, parking and transit)
- Each student team developed a recommended traffic, parking and pedestrian mitigation plan