

Report submitted for July – December 2012 reporting period

UTC Project Information	
Project Title	Bicycle Route Choice: GPS Data Collection and Travel Model Development
University	University of Washington
Principal Investigator	Qing Shen
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Funding Source(s) and Amounts Provided (by each agency or organization)	PacTrans: \$30,000 Matching funds from PSRC: \$30,000
Total Project Cost	\$60,000
Agency ID or Contract Number	UW 62-5083
Start and End Dates	Start: 09/16/2012 End: 11/01/2013
Brief Description of Research Project	<p>Bicycle use is being promoted for a variety of social benefits. Because of the benefits associated with bicycling, jurisdictions across the central Puget Sound region and the nation have been investing in improvements to bicycle infrastructure. Academic and professional literature provides a basis for generally understanding bicycling behavior. However, less is known about the benefits of one facility type over another, or the potential inducement of new bicycle users when a policy intervention improves bicycling conditions.</p> <p>This study will rely on GPS bicycle trace data collected by the Puget Sound Regional Council through the CycleTrack mobile application. The objectives of the study include improving the Puget Sound Regional Council's travel demand model to include bicycle route choice and assignment, which will allow for policy analysis and an improved understanding of the tradeoffs between facilities, the relationship between utilitarian and recreational bicycling, and an analysis of the utility of a number of bicycle facilities that will become operational over the course of the study.</p>
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	<p>To date, we have completed a literature review and retrieved the data necessary for our analysis.</p> <p>We have developed some procedures for handling and processing the data and discussing next steps for the analytical portion of the work effort.</p>
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links · Reports · Project website	Bicycle Route Choice: Gps Data Collection And Travel Model Development – Year 1 (2012-13) http://depts.washington.edu/pactrans/wp-content/uploads/2012/12/PacTrans-19-625083-Shen-Qing-Small-Project.pdf