Abstract

This paper describes pathway analysis and assessment of travel behavior for cyclists in Burlington, VT. This research used a survey method to collect pathway usage and route selection data. Respondent’s most frequently used bicycle route was modeled using Geographic Information Systems (GIS), and stated preference data was analyzed to assess patterns in route selection. Infrastructure, trip distance, street connectivity, automobile traffic, geography and bicyclist typography were all considered. This research's data is derived from 119 survey responses that were collected in June and July of 2015. The results of this research is combined with conclusions derived from existing research in order to forecast where in Burlington, VT investment could reap the most utility.