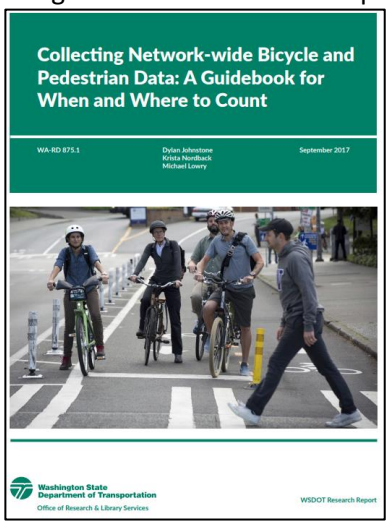
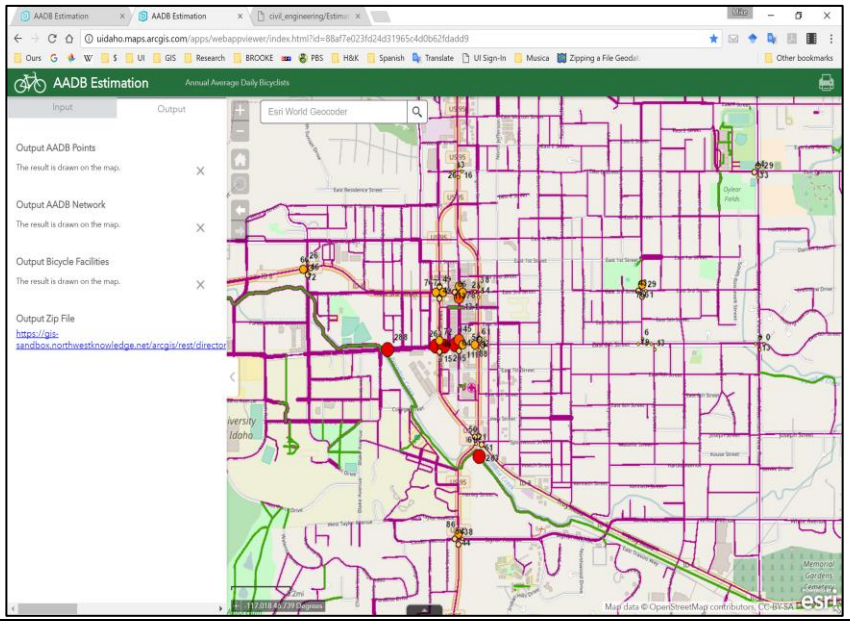
UTC Project Information	
Project Title	Spatial Analysis of Bicycle and Pedestrian Count Data
University	University of Idaho
Principal Investigator	Michael Lowry
PI Contact Information	mlowry@uidaho.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans $60,000 Washington Department of Transportation $60,000
Total Project Cost	$120,000
Agency ID or Contract Number	DTRT13-G-UTC40
Start and End Dates	September 16, 2015– September 15, 2016
Brief Description of Research Project	This project will create best-practice recommendations for collecting bicycle and pedestrian count data that state DOTs and their community partners can use when deciding where to locate permanent counters or how to spatially distribute volunteer manual counters. In 2012, 25 bicyclists and 148 pedestrians were killed in crashes with motor vehicles in the Pacific Northwest (Alaska, Idaho, Oregon, and Washington). Last year, the USDOT reported a steady rise in fatalities, so Transportation Secretary Anthony Foxx launched what he is calling "the most innovative, forward-leaning, biking-walking safety initiative ever". The new federal program is expected to significantly increase funding for safety improvement projects. State DOTs need reliable information about bicycle and pedestrian volumes to justify and prioritize project alternatives.

Describe Implementation of Research Outcomes	This project created a **guidebook** that communities can use to establish or improve their bicycle and pedestrian count program. The guidebook provides recommendations for collecting network-wide count data to monitor travel over time. Recommendations include increase the number of permanent bicycle and pedestrian count sites, calibrate equipment, and increase the length of time counted at each count site to at least 8 hours (7-9AM, 11AM-1PM, 4-6PM Tuesday, Wednesday, or Thursday and 12-2PM Saturday), but preferably counting a whole week using calibrated automated equipment.  This project created a **website** that communities can use to make maps showing expected daily bicycle volumes for their street network from count data. 

Impacts/Benefits of Implementation	The guidebook created for this project can help communities improve their count program to prioritize new infrastructure, conduct safety analysis, and provide better public services. The AADB website created for this project can help communities conduct safety analysis and prioritize new bicycle infrastructure.
Web Links • Reports • Project Website	**Collecting Network-wide Bicycle and Pedestrian Data: A Guidebook for When and Where to Count** https://www.wsdot.wa.gov/research/reports/fullreports/875-1.pdf **The AADB Website** http://bit.ly/2JLvbfv **SPATIAL ANALYSIS OF BICYCLE COUNT DATA** https://digital.lib.washington.edu/researchworks/handle/1773/43528