



UNIVERSITY TRANSPORTATION CENTER RESEARCH BRIEF

Pullman Transit Route Pilot Study: Evaluating Transit Re-Routing on Ridership and Pedestrian Flows

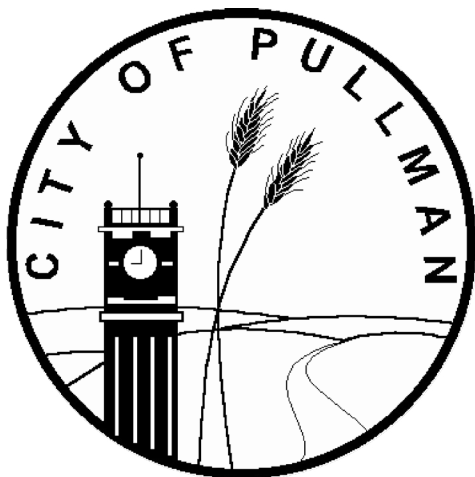
Jake Wagner, PhD



Background

Transit network design involves selecting network characteristics to optimize system efficiencies. Where should bus stops be located? How frequently should each stop be serviced? How can transit managers reduce costs while maintaining service quality? The

answers to these questions, and many others like them, are critical to transit providers' operating decisions. The answers to these questions, however, have proven difficult to come by.



Research Project

Pullman Transit is the leading rural transit system throughout Washington and within the region, providing over 1.4 million rides annually. Like most transit networks, Pullman Transit is faced with challenging questions in their effort to meet service demands and community needs in a financially sustainable way. Where should bus stops be located? How frequently should each stop be serviced? Which routes should be driven to ensure all stops are serviced while minimizing rider travel time? What should the rider fare be? The answers to these questions are vital to the smooth and efficient operation of any transit network, but transit planners are typically left without the tools they need to make these important decisions.

The objective of this project is to provide targeted information on the impacts of the Express Routes Pilot Program to the transportation planners at Pullman Transit and WSU Transportation Services. The Express Routes Pilot Program is an attempt to improve the frequencies and capacities of the Express system, by rerouting the existing routes to a central drop off location and adding a campus shuttle.

ABOUT THE AUTHORS

The research team consisted of Jake Wagner of Washington State University.

ABOUT THE FUNDERS

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EXPECTED DATE OF COMPLETION

March 2023

FOR MORE INFORMATION

<https://depts.washington.edu/pactrans/research/projects/pullman-transit-route-pilot-study-evaluating-transit-re-routing-on-ridership-and-pedestrian-flows/>