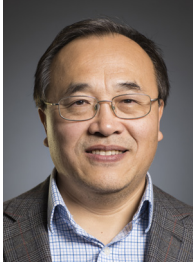




UNIVERSITY TRANSPORTATION CENTER RESEARCH BRIEF

Development of PacTrans Workforce Development Institute - Phase VI

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Background

Funded by the Pacific Northwest Federal Region 10 University Transportation Center, the objective of this project is to set up the Pacific Northwest Transportation Consortium (PacTrans) Workforce Development Institute (WDI) and to develop a demand responsive and

flexible program platform with certificate programs and courses responsive to the workforce development needs in the Pacific Northwest, which includes Alaska, Idaho, Oregon, and Washington.

This program is not simply a re-establishment of previously existing programs, but a newly developed curriculum of training courses that are highly sought after by today's Departments of Transportation (DOTs) as well as the industry at large. In addition to leveraging the valuable experience from previous programs, such as TRANSPEED, WDI takes advantage of cutting-edge technologies developed in academia and research carried out in universities to train and mentor employees and to help them keep pace with advances in all aspects of transportation services.

Research Project

Based on the efforts of previous years' projects, the research team has gained thorough understanding of the existing training or professional development needs within Region 10 (i.e., Idaho, Alaska, Oregon, and Washington) through outreach activities including qualitative, structured interviews, online surveys, etc. The research team has successfully launched the PacTrans workforce development institute (WDI) and delivered training courses to transportation practitioners. Specifically, the research team will focus on the following tasks:

1) Enhancing the online platform for e-learning courses, promotion and outreach activities. The research team will enhance the PacTrans WDI online training platform. The online platform will serve as a comprehensive learning platform to support the promotion, registration, and e-learning activities.

2) Developing and delivering new training courses. The research team will continue developing new training courses and certificate programs that cover more topics with critical training needs. Specifically, the PacTrans WDI has delivered/scheduled to deliver the following training courses:

1. Understanding and Applying the Manual on Uniform Traffic Control Devices
2. Incorporating Human Factors into Roadway Design and Crash Diagnostics
3. Transportation Engineering Project Management
4. An Introduction to School Zone Safety
5. Geospatial Analysis for Transportation Planners and Practitioners

3) Developing the assessment and evaluation guidebook for training courses and the overall program. The research team will develop a guidebook including course development processes with carefully designed learning outcomes and associated learning activities, active learning strategies, reliable assessment and evaluation processes of learning, and overall program and course evaluation.

ABOUT THE AUTHORS

The research team consists of one member from each of our five consortium research partner institutions.

ABOUT THE FUNDERS

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EXPECTED DATE OF COMPLETION

March 2023

FOR MORE INFORMATION

<https://depts.washington.edu/pactrans/research/projects/development-of-pactrans-workforce-development-institute-phase-vi/>