UTC Project Information	
Project Title	Development of PacTrans Workforce Development Institute
University	University of Washington
Principal Investigator	Yinhai Wang
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Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans $175,000 University of Washington $43,000 Oregon State University $33,000 University of Alaska Fairbanks $33,000 Washington State University $33,000 University of Idaho $33,000
Total Project Cost	$350,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	September 1, 2019-August 31, 2020
Brief Description of Research Project	To further ensure and strengthen the advantages of developed WDI in dealing with Region 10's specific workforce development needs, the WDI is currently collaborating with Washington State Department of Transportation (WSDOT) to deliver training services to address WSDOT's immediate workforce development needs. Specifically, the WSDOT representatives have identified three top priority subjects that need training, i.e., the MUTCD, human factors, and data analysis and tools. The PacTrans WDI team will design, develop, and deliver three short-term training courses in respond to these training needs. Besides onsite training courses, the team will also provide online course offering to WSDOT's professionals. In addition, the team will develop training service model that aims to collaborate between WDI and WSDOT to provide demand responsive and flexible training services to address the long-term training needs. The team will develop course evaluation procedure with evaluation methods and indicators regarding the course content, effectiveness, and instructors, etc. Based on the course evaluation results, the team will identify areas of improvement of the current course offerings and propose suggestions for future course development and delivery.

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Through survey and outreach activities, the research team has identified the gaps between workforce training needs and existing training opportunities, and developed training courses to fulfill these gaps. Specifically, the WDI has developed and delivered several training courses, titled, Understanding and Applying the Manual on Uniform Traffic Control Devices, Incorporating Human Factors into Roadway Design and Crash Diagnostics, and Project Management and Key Skill Capability Building, respectively. In addition, the WDI has scheduled to deliver several training courses, such as Data Analytics and Tools, Geospatial Analysis for Transportation Planners and Practitioners, and An Introduction to School Zone Safety.
Impacts/Benefits of Implementation (actual, or anticipated)	In February 2021, the WDI was officially launched with training course on the Manual for Uniform Traffic Control Devices in partnership with the Washington State Department of Transportation. This first course titled, Understanding and Applying the MUTCD, had 24 WSDOT employees as participants. In June 2021, the WDI delivered the online training course titled, Incorporating Human Factors into Roadway Design and Crash Diagnostics, to 18 WSDOT employees. In the meantime, the WDI has been promoting and scheduling the delivery of several training courses titled, Transportation Data Analytics and Tools, Understanding and Applying the MUTCD, Geospatial Analysis for Transportation Planners & Practitioners, and An Introduction to School Zone Safety, respectively. The goal of the WDI is to address the workforce development and continuing educational needs of our agency and industry partners in the Pacific Northwest and beyond.
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