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| **UTC Project Information** | |
| Project Title | Development of protocol to maintain winter mobility of different classes of pervious concrete pavement based on porosity |
| University | Washington State University |
| Principal Investigator | Somayeh Nassiri |
| PI Contact Information | snassiri@wsu.edu |
| Funding Source(s) and Amounts Provided (by each agency or organization) | University of Washington PacTrans $40,000  Washington State University $40,000 |
| Total Project Cost | $80,000 |
| Agency ID or Contract Number | 69A3551747110 |
| Start and End Dates | August 16, 2017 – August 15, 2019 |
| Brief Description of Research Project | In a previous PacTrans project, research showed that pervious concrete pavement surfaces from one mixture design outperform traditional concrete pavements in terms of friction in dry, wet and iced conditions.  This project will extend the scope of testing to more laboratory and field testing to include a wide range of mixtures and installations. The goal is to ensure mobility on various classes of pervious concrete pavements all-year round. The scope will include in-field and laboratory porosity characterization for various pervious concrete installations. Then, correlating the pores properties to ice formation potential, to predict the level of winter maintenance treatments required. |
| Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here |  |
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| Impacts/Benefits of Implementation (actual, or anticipated) |  |
| Web Links   * Reports * Project Website |  |