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| **UTC Project Information** |
| Project Title | Evaluation of Motorcyclists and Bikers’ Safety on Wet Pavement Markings |
| 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 $40,000Washington State University $40,000 |
| Total Project Cost | $80,000 |
| Agency ID or Contract Number | DTRT13-G-UTC40 |
| Start and End Dates | December 16, 2016 – January 31, 2018 |
| Brief Description of Research Project | Pavement markings are critical in guiding the road users in properly using traffic lanes, however can lead to catastrophic crashes for motorcyclists and bikers when wet or icy. The primary objective of this study is to develop a safety evaluation specification for new and degraded pavement markings under dry, wet & icy conditions. The project ties closely with PacTrans’ theme of safety and data driven solutions for safe transport. A few highway agencies use traffic signs to provide warning to motorcyclists in advance of hazards such as curves, grooved pavements, rough surfaces, construction zones, discontinuity on the road and so forth. However, the issue of slippery pavement markings still requires more attention, since our search of the literature shows that no objective testing protocol is currently available to evaluate the safety (slip resistance) of pavement markings, especially in adverse weather conditions (rain, and ice).  |
| 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
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