UTC Project Information	
Project Title	Evaluation of Deicer Impacts on Pervious Concrete Specimens
University	WSU with future subcontract to Lamar University
Principal Investigator	Liv Haselbach
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Funding Source(s) and Amounts Provided (by each agency or organization)	CESTiCC: 50k RMC (Ready Mixed Concrete) Research and Education Foundation: 25k
Total Project Cost	75k
Agency ID or Contract Number	UAF 1622
Start and End Dates	Including Match June 2015-December 31 2017 CESTiCC Portion fall 2016-December 31 2017
Brief Description of Research Project	There is strong evidence and instances that suggest certain deicing chemicals and salts can negatively affect pervious concrete and initiate a rapid degradation of the paste matrix, aggregate bonding, pavement durability and strength. Some initial research has been performed at Washington State University (WSU) to study this funded by the RMC Research & Education Foundation. The focus of this proposal is to (A) evaluate the chemical data from the initial experimental protocol, particularly for the MgCl2 testing series, and (B) to enhance the experiments with (1) additional testing of precipitates found in the specimens, (2) evaluation of wetted freeze-thaw cycles of chemical laden specimens and (3) the performance of split tensile testing on the specimens. The overall objective of the entire research endeavor is to initiate the development of testing protocols that others can use to compare various pervious concrete mixes and/or procedures to enhance resistance to deicer degradation, particularly calcium chloride and magnesium chloride.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	To be determined.
Impacts/Benefit of Implementation (actual, not anticipated)	To be determined.
Web Links • Reports • Project website	