

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Development and Evaluation of Porous Pavement Surface Mixtures with Biobased Epoxy Asphalt Binder
University	University of South Florida
Principal Investigator	Qing Lu Chunfu Xin
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$57,543 University of South Florida: \$28,851
Total Project Cost	\$86,394
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 10/01/2018 End date: 09/30/2019
Brief Description of Research Project	Porous asphalt mixtures have multiple beneficial functions when used on pavement surfaces, but their durability is typically low. This research project intends to improve the durability of porous asphalt mixtures with biobased epoxy asphalt binder (BEAB) by conducting the following work: (1) evaluating the performance of porous asphalt modified with the BEAB developed by P.I. Dr. Lu with multiple performance measures in the laboratory; (2) investigating the relationship between material variables and mixture performance for porous asphalt mixtures; (3) optimizing the design of porous asphalt mixture with BEAB for improved pavement performance.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	

Web Links^[1]_{SEP}

- Reports
- Project website

<http://ctech.cce.cornell.edu/final-project-reports/>