UTC Project Information	
Project Title	PREDICTION OF BRIDGE INVENTORY CHARACTERISTICS USING MACHINE LEARNING
University	University of Washington
Principal Investigator	Jeffrey Berman
PI Contact Information	jwberman@uw.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	ABC-UTC funds: $82,500 Match funds : $82,500
Total Project Cost	$ 165,000
Agency ID or Contract Number	69A3552348322
Start and End Dates	January 2, 2024 - January 1, 2025
Brief Description of Research Project	This project will develop a methodology and machine learning tool for predicting key characteristics of bridges in a bridge inventory. The machine learning tool will use individual bridge information available from the National Bridge Inventory (NBI) to predict other bridge characteristics that are better aligned with predictions of current bridge condition ratings and bridge performance in natural hazards. The methodology will help DOTs better quantify the current state of their bridge infrastructure, identify prioritization for modernization and retrofit, and will enable more realistic emergency planning for natural hazards and disasters.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The outcomes will be tracked and reported once they are identified.
Impacts/Benefits of Implementation (actual, not anticipated)	The impacts will be tracked and reported once they are identified.

Web Links • Reports • Project website	https://abc-utc.fiu.edu/research-projects/prediction-of-bridge-inventory-characteristics-using-machine-learning/