

UTC Project Information – Project 4.4	
Project Title	Bridge-stream network assessment to identify sensitive structural, hydraulic and landscape parameters for planning flood mitigation
University	University of Vermont
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Funding Source(s) and Amounts Provided (by each agency or organization)	Federal \$160,564 UVM \$141,029 VTrans \$45,000
Total Project Cost	Year 1: Federal \$79,968, Match \$114,206 Year 2: Federal \$80,596, Match \$71,823
Agency ID or Contract Number	69A3551847101
Start and End Dates	Start 7/1/18 End 6/30/20
Brief Description of Research Project	Bridge rehabilitation or new bridge design is often performed as needed for individual bridges without much consideration for how the change affects other bridges, properties, roads, etc. This is often a concern raised by stakeholders when they hear about planned changes in their river corridor. This project will develop an analysis method to understand how localized changes at a given bridge, stream or road affect the entire river corridor. This will help transportation agencies in managing their bridge and stream assets for maintenance and capital planning for upgrades, and also address stakeholder concerns raised in response to planned alterations.
Describe Implementation of Research Outcomes (or why not implemented)	Research is in the initial phase and is ongoing.
Place Any Photos Here	
Impacts/Benefits of Implementation	Research is in the initial phase and is ongoing.



(actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project website	https://vtrans.vermont.gov/sites/aot/files/planning/documents/research/publishedreports/2019-02_BridgeStream.pdf