

UTC Project Information	
Project Title	MPC-533 – Use of Life Cycle Cost Analysis to Enhance Inspection Planning for Transportation Infrastructure
University	Colorado State University
Principal Investigator	Rebecca Atadero Mehmet Ozbek
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Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Research and Innovative Technology Administration \$54,000</p> <p>Colorado State University \$54,000</p>
Total Project Cost	\$108,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	August 25, 2018 to July 31, 2024
Brief Description of Research Project	The goal of this study is to develop a Life Cycle Cost Analysis model that incorporates costs associated with different types of inspections in order to provide bridge management decision makers the information they need to most effectively integrate advanced inspection strategies such as NDE methods beyond visual inspection into their inspection practices.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	This research has demonstrated a novel inspection planning strategy, yet states must comply with federal inspection laws so this type of planning change cannot be implemented by individual states.
Impacts/Benefits of Implementation (actual, not anticipated)	The benefit of this research is primarily the contribution of knowledge to the field of bridge inspection and management.
Web Links <ul style="list-style-type: none"> • Reports • Project Website 	<ul style="list-style-type: none"> • MPC Final Report – Life-Cycle Cost Implications of Alternative Bridge Inspection Planning