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| **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 |
| PI Contact Information | Rebecca Atadero  Colorado State University  Phone: (970) 491-3584  Email: ratadero@colostate.edu  ORCID: 0000-0002-7477-1620  Mehmet Ozbek  Colorado State University  Phone: (970) 491-4101  Email: mehmet.ozbek@colostate.edu  ORCID: 0000-0002-1416-364X |
| Funding Source(s) and Amounts Provided (by each agency or organization) | USDOT, Research and Innovative Technology Administration  $54,000  Colorado State University  $54,000 |
| 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   * Reports * Project Website | * MPC Final Report – [Life-Cycle Cost Implications of Alternative Bridge Inspection Planning](https://www.ugpti.org/resources/reports/details.php?id=1157) |