TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Colorado Department of Transportation

INSTRUCTIONS:
Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(260) Project 6 - Project Bundling	**Transportation Pooled Fund Program - Report Period:** ☐Quarter 1 (January 1 – March 31) ☐Quarter 2 (April 1 – June 30) ☑Quarter 3 (July 1 – September 30) ☐Quarter 4 (October 1 – December 31)	
Project Title: Project Five: Investigating Project Bundling Practices for Roadway Construction Projects		
Name of Project Manager(s): David Reeves	**Phone Number:** 303-757-9518	**E-Mail** david.reeves@dot.state.co.us
Lead Agency Project ID: SPR-5260.20.06 TCM	**Other Project ID (i.e., contract #):** PO# 411023029	**Project Start Date:** 01/10/2020
Original Project End Date: 01/10/2022	**Current Project End Date:** 01/10/2022	**Number of Extensions:** 0

Project schedule status:

☑ On schedule ☐ On revised schedule ☐ Ahead of schedule ☐ Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
$125,000	$27,092.05	25%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
14%	$27,092.05	24%

Project Description:

Project bundling for bridges has been empirically documented by various state DOTs to have the benefits of reducing overall construction costs, shortening project delivery, and reducing staff time for paperwork and contract administration through bundling multiple smaller projects in similar nature within their proximity into a single larger contract. The efficiency in project delivery, costs, and the level of staff requirement arises from the economy of scale through bundling. Recently, FHWA developed a guidebook on project bundling with a primary focus on bridge projects. In that guidebook, a wealth of knowledge and practices were extracted from case studies of various pilot and regular bridge bundling projects from different state DOTs. However, roadway (such as added travel lanes, resurfacing, intersection improvement, interchange work, shoulder rehabilitation and repair, etc.) construction project bundling was not part of that guidebook. Although many lessons can be learned from bridge bundling, unique aspects may exist in roadway construction bundling and have not been studied thoroughly.

The objective of this research is to explore the best practices to bundle projects through the survey and case studies of state departments of transportation (DOTs) that are using project bundling. The final research project will document the entire research effort as well as include be a compilation of documentation (e.g. requests for proposals (RFPs), sample contracts, flowcharts, checklist, and other tools) that the state DOTs are using in their current project bundling efforts for roadwork projects.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

During this quarter, the research team had a meeting with FHWA task force on EDC-5 Initiative "Implementing Support for Project Bundling (PB)" to coordinate the work between FHWA's task order and the research team's scope of work since both projects have some overlaps. The team completed the initial draft survey and went through multiple revisions with the input from FHWA personnel. The team also prepared the document required for the Institutional Review Board (IRB) approval.

Anticipated work next quarter:

For the next quarter, the survey questionnaire will be finalized. The IRB application will be completed. Once the IRB process is finished, the team will code the survey in Quatrics and distribute the survey to state DOTs through the connection of FHWA. The team will also follow up with the potential responders to secure the response rate and make sure that the response has a decent coverage of representative states.

Significant Results:

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

Potential Implementation:

The team believes that the final report will be a great resource to help the state DOTs understand the current state-of-practice in project bundling beyond bridge projects as well as implement advanced project bundling techniques. The report will also include cases studies of bundled projects as well as samples of requests for proposal (RFP) for different types of bundled projects, which will facilitate the implementation of project bundling and reap associated benefits.