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)		**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	$80,163.76	74%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
15.32%	$19,153.76	74.6%

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 has been working on scheduling follow-up interviews with the state DOTs that responded to our first round of surveys and conducting case studies through the follow-up interviews. As of June 2021, the team has completed interviews with 13 states through Microsoft Teams. The interviews have been recorded and transcribed.

Anticipated work next quarter:

The research team will continue soliciting interviews from potential state DOTs and plans to conclude the case studies by the end of July 2021. The team will analyze the transcribed interviews and report results. The team will also start working on the final report in September 2021.

Significant Results:

The team is still in the process of conducting interviews. It is expected that meaningful results will be summarized and reported in the next quarter's progress report.

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.