



SPR Quarterly Progress Report
July 1, 2016 through September 30, 2016

Date October 6, 2016

TO: Technical Advisory Committee Members:
Bill Bennett, ODOT Construction Section
Ray Bottenberg, ODOT Bridge Section
Matthew Mabey, ODOT Research Section
Craig Shike, ODOT Bridge Section
Tim Rogers, FHWA

1. Project

Title: Strategies to Increase the Service Life of Existing Bridge Decks
SPR 780

2. Project Investigators

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3. Project Coordinator

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4. Key Dates

Project start date: July 1, 2014
Project completion date: September 30, 2016

5. Project Status

Task 1: Literature Review and the Development of Detailed Research Plan

Percent completed reported in last quarterly report: 100%

Percent completed after this quarter: 100%

Key Progress-To-Date

- N/A

Specific Progress This Quarter

- N/A

Problems

- N/A

Work Planned for Next Quarter

- N/A

Task 2: Laboratory Study

Percent completed reported in last quarterly report: 98%

Percent completed after this quarter: 100%

Key Progress-To-Date

- FT experiments were completed.

Specific Progress This Quarter

- FT experiments were completed.

Problems

- The chamber had to be fixed and this caused a number of projects, including this one, to reschedule the testing. As a result, we were delayed.

Work Planned for Next Quarter

- N/A

Task 3: Modeling Study

Percent completed reported in last quarterly report: 98%

Percent completed after this quarter: 100%

Key Progress-To-Date

- Statistical analysis was completed.

Specific Progress This Quarter

- Closed-form equation development framework was developed.

Problems

Work Planned for Next Quarter

- N/A

Task 4: Development of Bridge Deck Evaluation Protocol

Percent completed reported in last quarterly report: 90%

Percent completed after this quarter: 100%

Key Progress-To-Date

- Demonstration example was completed.

Specific Progress This Quarter

- Demonstration example was completed.
- Future work plan to implement the developed protocol was outlined.

Problems

- N/A

Work Planned for Next Quarter

- N/A

Task 5: Final Report

Percent completed reported in last quarterly report: 95%

Percent completed after this quarter: 100%

Key Progress-To-Date

- Final report was prepared and submitted.

Specific Progress This Quarter

- Final report was prepared and submitted.

Problems

- N/A

Work Planned for Next Quarter

- N/A

6. Project Coordinator's Comments

A draft of the final report was sent out to the TAC at the beginning of the 2nd quarter and so this project should be wrapped up soon.

7. Finances

VENDOR	FY'15	FY'16	FY'17	FY'18	TOTALS
ORIGINAL BUDGET					\$ -
WORK PLAN BUDGET	\$ 122,500	\$ 114,500	\$ 2,000		\$ 239,000
REVISED BUDGET	\$ 150,346	\$ 85,504	\$ 3,150		\$ 239,000
EXPENDITURES - VENDOR	\$ 150,346	\$ 82,643	\$ -	\$ -	\$ 232,989
BALANCE	\$ -	\$ 2,861	\$ 3,150	\$ -	\$ 6,011
ODOT	FY'15	FY'16	FY'17	FY'18	TOTALS
ORIGINAL BUDGET	\$ 128,000	\$ 124,000	\$ -	\$ -	\$ 252,000
REVISED BUDGET	\$ 5,180	\$ 6,496	\$ 1,324	\$ -	\$ 13,000
EXPENDITURES - ODOT	\$ 5,180	\$ 6,162	\$ 997	\$ -	\$ 12,339
BALANCE	\$ -	\$ 334	\$ 327	\$ -	\$ 661
PROJECT	FY'15	FY'16	FY'17	FY'18	TOTALS
ORIGINAL BUDGET	\$ 128,000	\$ 124,000	\$ -	\$ -	\$ 252,000
REVISED BUDGET	\$ 155,526	\$ 92,000	\$ 4,474	\$ -	\$ 252,000
EXPENDITURES - PROJECT	\$ 155,526	\$ 88,805	\$ 997		\$ 245,328
BALANCE	\$ -	\$ 3,195	\$ 3,477	\$ -	\$ 6,672