Federal Contract # DTFH61-17D00001 – Task Order #1

LONG-TERM BRIDGE PERFORMANCE PROGRAM

PROGRESS REPORT NO. 11

Report Period: Aug 1, 2018 – Aug 31, 2018

Prepared For:

Federal Highway Administration

Prepared By:

RUTGERS
Center for Advanced Infrastructure
and Transportation

A. Account of work performed in this period

1. Coordination and Meetings Between the Contractor, FHWA LTBP Team, and State Highway Departments

The Rutgers team had a few correspondences with the FHWA team over the phone or by email.

2. Data Gap Analysis

Primary efforts in August were not based strictly on the five tasks outlined in the initial workplan, but instead primarily focused on expanding the initial guidance and details regarding the implementation of the recommendations for construction related data and maintenance related data both at a high level and specific to the high priority performance issues. An initial draft of this guidance was completed in the previous month which explored the details and feasibility regarding each recommendation suggested in the data gap analysis summary. Several team meetings and discussions were held which analyzed, critiqued, and expanded the original recommendations and implementation details. Additionally, a summary of the recommendations and relative prioritization were added. Of the recommendations explored, maintenance related data seems the most viable option to pursue (highest priority) based on its relative accessibility and the potential positive impact of obtaining the data type to the program's goals. Due to this, a proposed workplan was drafted (based on the recommended implementation details) which outlines several activities/tasks to carry out the high priority recommendations for maintenance related data. Details are broken down by task and an anticipated timeline is included.

Co-PI: 9.5 hours

Program Manager: 48 hours

Project Engineer: 122.42 hours

Technician: 69.92

Project Support: 4 hours

3. Communication

The Rutgers team prepared the electronic version of the monthly progress report and submitted it to FHWA. Moreover, the Rutgers team updated the MS Project file showing the project milestone and submitted it to FHWA.

Co-PI: 10 hours

Project Support: 18 hours

B. Work to be accomplished during the next period

    1. Coordination and Meetings Between the Contractor, FHWA LTBP Team, and State Highway Departments

    The Rutgers team will meet with reach out to FHWA to set up a meeting for the month of August.

    2. Data Gap Analysis

    Work in September is anticipated to focus on maintenance data collection.

    3. Communication

    The Rutgers team will prepare the electronic version of the monthly progress report and will submit it to FHWA. Moreover, the Rutgers team will submit the updated MS Project file to FHWA.

C. Problems/Recommended Solutions

No problems encountered during this period.

D. How the results of the work performed supports one or more of the FHWA, DOT and LTBP Goals

All of the work conducted under this task order aims to ensure that the LTBP program collects the data required to realize the following four use cases: (1) Advance research in bridge deterioration and predictive modeling, (2) Advance research in cost analysis, (3) Support improved bridge design methods, and (4) Quantify the effectiveness of bridge maintenance, preservation, repair, and rehabilitation strategies. These use cases encapsulate the overarching goals of the LTBP program and its vision for positively impacting the practice of bridge engineering.

E. Purchases and Rentals

Nothing was purchased or rented during this period.

F. Travel Details for Reporting Period

None.

G. Current and Cumulative Expenditures (cost shown includes benefits and overhead)

Institution	Current Expenditures 8/1/2018 – 8/31/2018	Cumulative Expenditures 10/1/2017 – 8/31/2018
Rutgers, the State University of New Jersey	$ 19,690.50	$ 291,030.12
Bridge Intelligence LLC	$ 2,535.00	$ 20,455.53
New Jersey Institute of Technology	$ 9,259.32	$ 57,320.66

H. Subcontractor's Progress Report