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

**LONG-TERM BRIDGE PERFORMANCE PROGRAM**

PROGRESS REPORT NO. 9

Report Period: June 1, 2018 – June 30, 2018

Prepared For:

**Federal Highway Administration**

Prepared By:



**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 meeting with FHWA on 6/20th at TFHRC. The minutes of the meeting was submitted to the FHWA personnel present at the meeting.

Co-PI: 3hours

* 1. **Data Gap Analysis**

Efforts in June were not based strictly on the five tasks outlined in the initial workplan, but instead primarily focused on providing 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. Construction and maintenance related data gap recommendations were selected for implementation study based on the severity of each gap and the relative effort/cost anticipated to address it. The goal is to provide a path to high impact in expanding the effectiveness of the data collection protocols relative to the resource investment (time and otherwise) made by the program. An initial draft was completed which explored the details and feasibility regarding each recommendation suggested in the data gap analysis summary. Of the recommendations explored, maintenance related data seems the most viable option pursue based on its relative accessibility and the potential positive impact of obtaining the data type to the programs goals.

PI: 123 hours

Co-PI: 5.5 hours

Program Manager: 45 hours

Project Engineer: 183.49 hours

Technician: 128.8

Project Support: 9 hours

* 1. **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: 9 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 July.

* 1. **Data Gap Analysis**

Efforts in July will be based on the request of FHWA.

* 1. **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)**

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| --- | --- | --- |
| **Institution** | **Current Expenditures**  **6/1/2018 – 6/30/2018** | **Cumulative Expenditures**  **10/1/2017 – 6/30/2018** |
| Rutgers, the State University of New Jersey | $ 49,736.25 | $ 217,848.62 |
| Bridge Intelligence LLC | $ 2,275.00 | $ 15,060.53 |
| New Jersey Institute of Technology | $ 22,189.18 | $ 34,369.72 |

**H. Subcontractor’s Progress Report**