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

**LONG-TERM BRIDGE PERFORMANCE PROGRAM**

PROGRESS REPORT NO. 16

Report Period: Jan 1, 2019 – February 28, 2019

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 a few correspondences with the FHWA team over the email.

Co-PI: 1 hour

* 1. **Data Gap Analysis**

During this period, the Rutgers and Bridge Intelligence team met multiple times and discussed the process of the data analysis for maintenance data. The two teams developed the framework for the data analysis and a set of questions that should be answered. This will be used to develop the reports for this data. Furthermore, the Bridge Intelligence team started working on data extraction and analysis of the state#1 maintenance data.

Co-PI: 24.5 hours

Program Manager: 35 hours

Project Support: 3 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: 10 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 reach out to FHWA to set up a meeting for the month of March.

* 1. **Data Gap Analysis**

Work in March is anticipated to focus on maintenance data analysis.

* 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**  **1/1/2019 – 2/28/2019** | **Cumulative Expenditures**  **10/1/2017 – 2/28/2019** |
| Rutgers, the State University of New Jersey | $ 5,381.00 | $ 314,487.12 |
| Bridge Intelligence LLC | $ 4,615.00 | $ 32,285.53 |
| New Jersey Institute of Technology |  | $ 69,642.68 |

**H. Subcontractor’s Progress Report**