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

**LONG-TERM BRIDGE PERFORMANCE PROGRAM**

PROGRESS REPORT NO. 18

Report Period: March 1, 2019 – March 31, 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**

The Bridge Intelligence team developed the dashboard using the data from the first state. The details are shown in the subcontractor section.

Co-PI: 41 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

Project Support: 3 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 April.

* 1. **Data Gap Analysis**

Work in April is anticipated to focus on converting the XML data from the second state and develop the dashboard for maintenance data for the second state.

* 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**  **3/1/2019 – 3/31/2019** | **Cumulative Expenditures**  **10/1/2017 – 3/31/2019** |
| Rutgers, the State University of New Jersey | $ 201.00 | $ 314,688.12 |
| Bridge Intelligence LLC | $ 6,760.00 | $ 39,045.53 |
| New Jersey Institute of Technology | - | $ 69,642.68 |

**H. Subcontractor’s Progress Report**