**Sub-recipient Name:** Bridge Intelligence LLC

**Subaward No:** 00000286

**Principal Investigator:** Hooman Parvardeh

**LTBP TSSC**

**Federal Contract # DTFH61-17-D00001**

PROGRESS REPORT NO. 16

For the Period from 6/1/2019 through 9/5/2019

# Accomplishments/Work Performed

The following is a complete account of all accomplishments and work performed on each task during this reporting period.

# Task 1: (Coordination and Meetings between the Rutgers and FHWA LTBP Team)

During this period Mr. Parvardeh answered multiple queries from the FHWA team through email.

Number of hours during this period: 3 hour

# Task 2: (Develop LTBP Program Bridge Performance Strategic Research Matrix)

Nothing was done during this period.

# Task 3: (Conduct Training on Proper Use and Application of LTBP Field Assessment Protocols)

Nothing was done during this period.

# Task 4: (Development and Refinement of Data Collection Protocols)

Nothing was done during this period.

# Task 5: (Legacy Data Mining Data Extraction and Upload)

Nothing was done during this period.

# Task 6: (Organize, Conduct, and Participate in LTBP Workshops and Meetings)

Nothing was done during this period.

# Task 7: (Publication, Website, Communication, and Technical Assistance)

During this period, the Bridge Intelligence team performed the following tasks:

* Prepared and submitted monthly progress report and the updated MS Project file for month of May 2019
* Prepared and submitted monthly progress report and the updated MS Project file for month of June 2019
* Prepared and submitted monthly progress report and the updated MS Project file for month of July 2019
* Performed multiple round of XML conversion
  + Two round of Impact Echo XML conversion for LTBP Pilot bridges
  + Developed XML conversion code for converting raw Impact Echo Cane data to XML
  + Converted Raw impact Echo Cane data to XML for the 2013 Mid-Atlantic bridges
  + Modified the XML conversion code for RABIT
  + Converted raw RABIT impact echo and USW data to XML for 2013 MidAtlantic bridges
  + Converted raw RABIT impact echo and USW data to XML for 2015 MidAtlantic bridges
  + Converted raw RABIT impact echo and USW data to XML for 2017 MidAtlantic bridges

Number of hours during this period: 98 hours

# Work Anticipated During the Next Period

For the next period, the Bridge Intelligence team will work with the Rutgers team to satisfy the FHWA requirements.

# Changes /Problems

None.

# Participants & charged Level of Efforts

|  |  |  |  |
| --- | --- | --- | --- |
| **Personnel Name** | **Role/Contribution** | **Total Hours** | **Billed Cost** |
| Hooman Parvardeh | Principal | 101 | $ 13,534 |

Below is a breakdown of level of effort per task:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Task 1 | Task 2 | Task 3 | Task 4 | Task 5 | Task 6 | Task 7 | Total |
| 3 hr | 0 | 0 | 0 | 0 | 0 | 98 hrs | 101 hrs |

# Travel

None.