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

**Subaward No:** 00000286

**Principal Investigator:** Hooman Parvardeh

**LTBP TSSC**

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

PROGRESS REPORT NO. 5

For the Period from 5/1/2018 through 5/31/2018

# 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 responded to many emails (15+) from FHWA related to the update of LTBP Bridge Portal data.

Number of hours during this period: 3 hours

This task is approximately 40% complete.

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

During this period Mr. Parvardeh worked with Dr. Masceri and Mr. Romano to prepare a working prototype for the visualization of the SRM.

Number of hours during this period: 5.5 hours

This task is approximately 40% complete.

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

During this period, Mr. Parvardeh attended a meeting with Dr. Moon, Dr. Masceri, and Dr. Devitis regarding preparation for the training task. Mr. Parvardeh provided the previously prepared curriculum as well as the recorded data from last contract to the team and reviewed the grid presentation.

Number of hours during this period: 4 hours

This task is approximately 16% complete.

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

Nothing was done during this period.

Number of hours during this period: 0 hours

This task is approximately 80% complete.

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

During this period, Mr. Parvardeh worked on cleaning the extracted data from the LDM team to prepare it for upload to the Bridge Portal. This included numerous interactions and meetings with the LDM data extraction team and multiple revisions to the Excel file.

Number of hours during this period: 22 hours

This task is approximately 70% complete.

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

Nothing was done during this period.

Number of hours during this period: 0 hours

This task is approximately 10% complete.

# 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 for May including updated MS project
* Discussion regarding Bridge Portal data update with FHWA
* Backed up the Database on LTBP3 before uploading the NBE data
* Performed a code update to the NBE module to make it compatible with the new FHWA NBE model
* Uploaded NBE data from 2015 to Bridge Portal
* Uploaded NBE data from 2016 to Bridge Portal
* Uploaded NBE data from 2017 to Bridge Portal
* Performed QA/QC on the uploaded NBE data
* Prepared the Database for submittal to FHWA
* Prepared the source code for submittal to FHWA
* Prepared instruction for uploading NBI and NBE data to FHWA
* Submitted the Source code, Database and the instruction to FHWA

Number of hours during this period: 71 hours

This task is approximately 45% complete.

# 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 | 105.5 | $ 13,715 |

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 | 5.5 hrs | 4 | 0 | 22 hrs | 0 | 71 hrs | 105.5 hrs |

# Travel

None.