**Progress Report # 6**

**08/01/2019 - 08/31/2019**

**Subaward No:** 0863

**Principal Investigator:** Saeed Babanajad

**Contract DTFH6117D00001 (T.O. 2 - Task 7)**

September 10, 2019

Franklin Moon, Ph.D

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Re: Progress Report # 6 (08/01/2019 - 08/31/2019)

# Accomplishments/Work Performed

During this period, WJE (Dr. Babanajad) performed the necessary steps in order to complete the QA/QC for the NDE data collected through the LTBP Program. He was frequently in contact with Rutgers (Dr. Moon), Mr. Parvardeh (Bridge Intelligent LLC), and FHWA (Dr. Frank Jalinoos and Dr. Ping Lu) to discuss the details of collected data and any potential troubleshooting. The focus was more on addressing the problematic issues with the NDE stack files and statistical analysis for the most appropriate plotting approach in the InfoBridge. This included several conference call sessions with FHWA.

# Work Anticipated During the Next Period

WJE (Dr. Babanajad) will continue the similar activities in order to facilitate the progress of project. He would also submit part of the completed data to FHWA. He would be in continuous contact with FHWA for delivering the data. In particular, Dr. Babanajad will work on re-organizing all the LTBP data (inclusive of NDE, THUMPER, Visual Inspection, Material Testing) in a new folder structure defined by FHWA. It is also anticipated that Dr. Babanajad will start to create the CSV files for plotting purposes on the InfoBridge.

# Changes /Problems

By mistake, the charges for Mr. Dan Wetherington (Senior Specialist at WJE) were not accounted during the July progress report. In July 27th, Mr. Wetherington helped project manager (Dr. Babanajad) to recreate the cover maps from the depth-corrected amplitude maps for few bridge samples in the Mid-Atlantic. This included recreating the cover maps for three years of testing (2013, 2015, 2017) and some basic statistical analysis to see the error margins. The whole effort was 4 hrs of Mr. Wetherington time at $130/hour rate, equals to $520. This has been modified in the Cumulative Expenditure table in the next page.

# Participants & Charged Level of Efforts

The table summarizes the participants and charged level of efforts.

|  |  |  |  |
| --- | --- | --- | --- |
| **Personnel Name** | **Role/Contribution** | **Total Hours** | **Billed Cost** |
| Saeed Babanajad | Project Manager | 97 | $154.3/hour |

# Purchases and Rentals

Per attached, WJE purchased a business GSuite account to get access to the data shared by Rutgers University.

# Travel

None.

# Charges

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Institution** | **Current Expenditures**  **08/01/2019 – 08/31/2019** | | **Cumulative Expenditures**  **02/01/2018 – 08/31/2019** | |
| Labor | Other Costs | Labor | Other Costs |
| WJE | $14,967. 10 | $12.00 | $85,361.86 | $148.05 |

Sincerely,

Wiss, Janney, Elstner Associates, Inc.



Saeed Babanajad

Associate III