

Public Quarterly Report

Date of Report: 2nd Quarterly Report-April 1, 2020

Contract Number: 693JK31910015POTA

Prepared for: Government Agency: PHMSA

Project Title: Improving the Reliability, Detection, and Accuracy Capabilities of Existing Leak Detection Systems (CPMs) Using Machine Learning

Prepared by: Southwest Research Institute

Contact Information: David Vickers; PO Drawer 28510, San Antonio, TX; david.vickers@swri.edu

For quarterly period ending: March 28, 2020

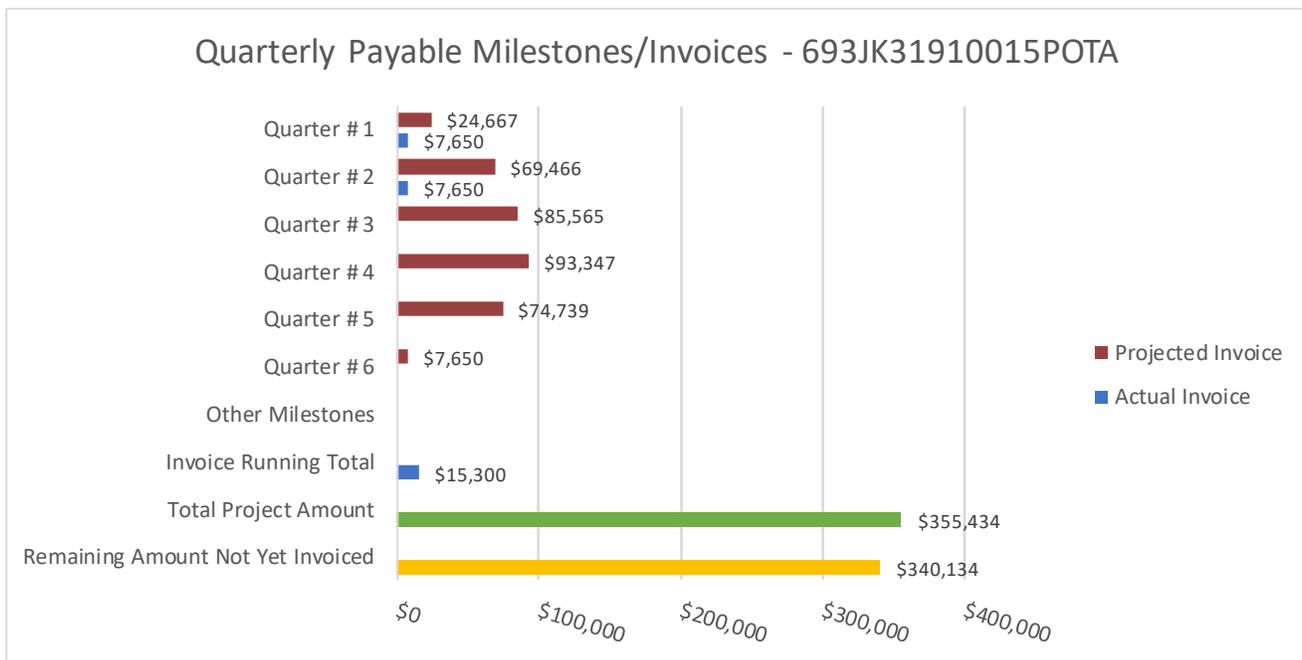
1: Items Completed During this Quarterly Period:

Item #	Task #	Activity/Deliverable	Title
4	5	2nd Quarterly Status Report	Submit 2nd quarterly report

2: Items Not-Completed During this Quarterly Period:

Item #	Task #	Activity/Deliverable	Title
1	1	Operator Survey Documentation	Operator Survey Documented in 1st Quarterly report
3	2	Data Curation and Analysis Documentation	Data Curation and Analysis Completion - Summary provided in 2nd Quarterly Report

3: Project Financial Tracking During this Quarterly Period:



4: Project Technical Status –

Item #4 – Task 5: 2nd Quarterly Status Report Submit 2nd quarterly report

This report constitutes the second quarterly report for the Improving the Reliability, Detection, and Accuracy Capabilities of Existing Leak Detection Systems (CPMs) Using Machine Learning project, contract number 693JK31910015POTA. The Contract between the prime (PRCI) and the subcontractor (SwRI) is currently being negotiated. Initial meetings have been held to discuss the technical activities. Steering Committee Meetings are held on the Third Wednesday of each month. A series of draft versions of the operator survey has been delivered to the prime contractor and reviewed by project participants. Discussions of data security and metrics documents have also been conducted by project participants.

5: Project Schedule –

Item #1- Task 1 Operator Survey Documentation Operator Survey

A draft version of the operator survey has been delivered to the project for review, it is planned to be disseminated next month to the operators. Slight delays in dissemination have been due to changes requested by the project team during the last two reviews and for assurance in compliance with the Paper Reduction Act when requests are sent out. The results will likely be documented for inclusion in the next quarterly report.

Item# 3- Task 2 Data Curation and Analysis Documentation Documented in 1st Quarterly report Data Curation and Analysis Completion - Summary provided in 2nd Quarterly Report

A memo has been drafted for review by the project team about the data collection logistics which include planned security and handling of any data that may be produced as part of the part of the project. At this time no data has been collected by the project, so no curation or analysis has occurred yet. Delays in regards to collection due to the COVID-19 (coronavirus) impacts to companies that would be providing the data are being assessed. When data is collected, curated, and analyzed, a summary will be provided in the subsequent quarterly report.

Due to the global coronavirus pandemic, PRCI has begun to experience delays in our contract commitments from our research contractors and may be requesting a modification to the timeline pursuant to Section 4.03 of the Agreement. These delays are caused by closures of research facilities and international borders, and related challenges associated with remote working. The delays are not yet quantifiable and we reserve the right to submit for a contract time extension at a later date. At this time, there is no expected cost changes associated with such potential contract extensions.