Quarterly Report – Public Page

Date of Report: *July 31, 2019*

Agreement No.: *693JK31810011*

Prepared for: *Government Agency: DOT*

Project Title: *River Scour Monitoring System for Pipeline Threat Prevention*

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For quarterly period ending: *June 30, 2019*

Progress to date:

Background studies on vortex-induced vibrations are currently being conducted. One of the project goals is to understand and determine the length of free-span that would make a given pipeline susceptible to vortex-induced vibration through finite element modeling. This task spans from Q1 to Q4.

Peer Review #1 presentation was done virtually to an expert panel on May 1, 2019. A twenty-four slide PowerPoint presentation was development and submitted to the PHMSA Technical Manager.

The initial site visit found an unusually high cost for excavating at the river banks to install each RSS unit. A much more economical solution was found using hydro-vac bell holes and keyhole tools in order to daylight, remove the pipeline coating, apply the sensor, re-coat the pipeline and backfill.

The project is slightly delayed due to Enbridge Pipelines experiencing delays in obtaining site permits.