

Quarterly Report – Public Page

Date of Report: January 31, 2018
Contract Number: 693JK31810009
Prepared for: DOT/PHMSA
Project Title: Improved Tools to Locate Buried Pipe in Congested Undergrounds
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For quarterly period ending: January 31, 2019

Project Scope

The purpose of this project will be to mitigate third-party pipeline damage and cross bores at the earliest stages through the development and commercialization of a geospatial probe to map existing buried utilities by being inserted inside of a live gas pipeline. This probe will be capable of mapping live underground pipes 3-dimensionally and give accurate locations of utilities. Additionally, a cloud-based data collection system will be created in order to effortlessly collect and store data, so it is easily accessible to the utilities.

Technical Status

During the second quarter, a needed switch of the main project subcontractor delayed the scheduled project tasks for this quarter. GTI has agreed to terms with the new subcontractor (ReDuct NV) who owns the proper IP to successfully complete this project.

Results and Conclusions:

Project has been delayed a quarter due to switching of main subcontractor. The project team will be trying to recover the lost project time, but a schedule extension maybe needed at the end of the project.

Plans for Future Activity:

During the next quarter, the following activities will be conducted:

- Develop alpha-prototype drawings for new gyroscope sensor based on comments from Technical Advisory Panel. Procure parts and materials needed to build alpha prototype.
- Procure required software and developing a system flow diagram for cloud-based data collection.