

## 2<sup>nd</sup> Quarterly Report – Public Page

Date of Report: February 28, 2014

Contract Number: DTPH56-13-T-000002

Prepared for: DOT Pipeline and Hazardous Material Safety Administration

Project Title: Real-Time Multiple Utility Detection During Pipe Installation Using Horizontal Directional Drilling (HDD) System

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### **Results and Conclusions:**

The research team has designed and constructed upgraded acoustic system. The upgraded acoustic system was tested in the local area and technical team members were trained on operation of the system. Several different techniques were used for the noise maker to be used with the acoustic system during the training. The severe winter in the Midwest has caused a delay in conducting tests in the planned local area with the acoustic system.

### **Plans for Future Activity:**

- Build the final version of a noise-maker and test
- Review and finalize test site and report to the PHMSA Technical Manager.
- Conduct tests in the local area with the acoustic system and analyze data
- With the successful completion of the local area tests, initiate work on integrated system
- Write the next milestone reports.