

4. Public Page

The Pipeline Research Council International, Inc proposes to conduct research which will evaluate the capability of in-line inspection to detect and characterize mechanical damage defects. The primary objective of the research is to provide guidance to the pipeline industry regarding the use of ILI to prioritize excavation and repair of mechanical damage. The main scope is to evaluate the use of magnetic flux leakage technologies through the use of high and low magnetic fields. These evaluations will include runs in active pipelines and the excavation results from those indications.

The work proposed here will establish the capability of the dual magnetic field MFL technology to detect mechanical damage and discriminate between critical and benign anomalies. This project will entail building a dual magnetization MFL tool and testing in an operating pipeline.

The project team is completing their contract negotiations and plans to initiate technical activities next quarter.