

**SOUTHWEST RESEARCH INSTITUTE®**  
**SUMMARY STATUS FOR PROJECT 14.06170**  
**AGREEMENT DTRS56-02-T-0004**  
**“BASELINE STUDY OF ALTERNATIVE IN-LINE INSPECTION VEHICLES”**

**STATUS OF WORK THROUGH JUNE 30, 2003**

The project relates to the problem of unpiggable pipelines but is not limited to unpiggable lines. Pipelines may be unpiggable for many reasons, including the configuration of the pipeline, the operating pressure of the transported medium, and the flow rate. The future of in-line inspection will be enhanced if inspection can be effected by devices that can function in unpiggable (as well as piggable) pipelines.

This project is documenting the current state of the pipeline system, the current capabilities of internal inspection systems, and the potential for new vehicle concepts that can increase the capabilities of those systems.

During this reporting period, work was completed on Task 2: Document the Current State of the Art in ILI, and partially completed on Task 4: Document Conceptual Designs. The work in Task 2 consisted of gathering literature from the pipeline service companies regarding their services and capabilities. The literature was obtained from the company websites, the company exhibit booths at professional meetings, and personal contact with company employees. The work in Task 4 consisted of interviewing individuals involved in the development of new systems. Work began on Task 5: Produce Report of Findings. Task 5 work included compilation of data from in-line inspection vendors and robotic system developers.

The project will be completed in September 2003.

**Point of Contact**

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