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Center for Underground Infrastructure Research and Education *Organization Profile*

MISSION

To provide national and international leadership in research, outreach and education activities which enhances cost effectiveness, construction productivity, environmental improvement and renewal of the aging underground infrastructure.

BACKGROUND INFORMATION

CUIRE was established in April 2002, as a university, government, and industry cooperative research Center. The organizational structure of the CUIRE provides two lines of authority: The University of Texas at Arlington (UTA) and the Industry Board (IB). The University provides an oversight committee that supervises the everyday operations of the Center developed by the IB. The IB is composed of contractors, owners/public agencies, academics, engineers, general interest groups, and manufacturers, who provides policy direction, reviews budgets, and monitors the progress of projects.

RECENT CUIRE PROJECTS:

- Use of Trenchless Technologies for a Comprehensive Asset Management of Culverts and Drainage Structures
- An Asset Management Approach for Drainage Infrastructure & Culverts
- Updating of Trenchless Permits: Michigan Department of Transportation (MDOT)
- Buried Pipeline Performance Forecasting Using Neural Network Models
- Analysis and Comparison of Traffic Disruption Using Open-Cut and Trenchless Methods of Pipe Installation.
- Development of a Knowledge-Based Decision Matrix for Selection of Trenchless Technology Methods

OBJECTIVES

- Promote research in design and construction of underground infrastructure.
- Conduct basic and applied research for industry and government agencies.
- Prepare educational and curriculum materials and organize courses to assist university faculty to teach underground infrastructure courses.
- Conduct educational courses, conferences & workshops.
- Assist industries in developing and evaluating new methods and products.
- Establish and disseminate standard guidelines and specifications.
- Develop contractor, designer and inspector certification programs.
- Work closely with professional & trade organizations/associations/universities/research centers.

FUNDING

Funding for CUIRE comes principally from industry memberships, University support, symposia/seminar proceeds, university/industry consortium contributions, and funded research.

CONTACT INFORMATION

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