



GeoTechTools – Geotechnical Solutions for Accelerated Bridge Construction Projects




U.S. Department of Transportation
Federal Highway Administration



TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES





Provide tools to help make more informed decisions on geotechnical issues that reduce risk in project delivery without surprise

- www.GeoTechTools.org

A web based **Technology Catalog** with detailed information on 46 geoconstruction and ground modification techniques, and a **Technology Selection System** to aid in identifying potential solutions based on user defined project conditions






Proactively address common issues and risks that may be identified during project delivery including:

- schedule constraints
- right-of-way issues
- contracting decisions
- soft or unstable ground conditions

Approximately **half** of all typical construction claims can be related to geotechnical issues!

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- 1 Construction of new approach embankments and roadways over areas of unstable soils
 - 2 Widening and expansion of existing bridges and approach embankments
 - 3 Improvement and stabilization of the support beneath the pavement structure



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**A Comprehensive Web-Based Information
& Technology Selection Guidance for
Embankment, Ground Improvement, and
Pavement Applications**