

Implementation Assistance

➔ Available Applications

GeoTechTools

Precast Concrete Pavement

Identifying and Managing
Utility Conflicts

Pavement Renewal
Solutions

Freight Demand Modeling
and Data Improvement

Implementation Q&As

Leadership Endorsement

Contact

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Implementation Assistance Application for GeoTechTools (R02)

[Read the
Product
Page](#)

Background

Approximately half of all construction claims in highway projects have been related to geotechnical issues. GeoTechTools (www.GeoTechTools.org) was developed to assist geotechnical or other engineers involved in highway project development, scoping, and execution make more informed decisions on geotechnical issues in project delivery that reduce risk without surprise. This exciting collection of tools is a must-have for anyone involved in design and/or construction of transportation earthwork, ground improvement, pavement, earth retention, and/or structural foundations. The readily accessible web-based system is stuffed with useful geotechnics information. The tool is 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. GeoTechTools.org is home to critically important information on geotechnical solutions that researchers have collected, synthesized, integrated, and organized in an intuitive and useful manner.

User Incentive awards will provide comprehensive technical assistance to help agencies apply GeoTechTools to specific project issues, and to implement www.GeoTechTools.org in the agency program as a broader decision-making tool. The primary benefit of implementing the web product is that it will provide agencies with a powerful tool to assist in addressing common issues that may be identified during project delivery.

Additional Information about this product can be found at the [SHRP2 Research Website](#).

Leadership Endorsement

Each application submitted from an organization or agency must have the endorsement of the Chief Executive Officer or designee. The letter of endorsement is submitted as an attachment to the application. Guidance for creating an endorsement letter appears in the application below.

Priority Ranking

When multiple applications are submitted from an organization or agency, each application must have a designated priority ranking. Please rank all applications in one grouping including all product submissions from your agency. For purposes of ranking do not separate your organization's applications into categories for individual products, or levels of incentives such as Lead Adopter or User Incentive.

For example, your agency submits five applications; one application for each product C20, R02, R05, R15B, and R23. Your agency must rank each application in priority order from 1 to 5, with 1 as the highest priority and 5 as the lowest priority. For your convenience, you will find a box at the top of each application to designate the priority ranking. FHWA and AASHTO will take into consideration the agency's rankings when reviewing and evaluating the applications for implementation assistance.

Available Implementation Assistance

Type of Assistance: User Incentive funding is available to provide technical assistance in applying GeoTechTools for project decision

making and in integrating GeoTechTools into State programs.

Number of Awards: 5

Funding Level: Funding up to \$75,000 per applicant is available to be applied to the implementation of GeoTechTools.

Who Can Apply: Applications will be accepted from State departments of transportation (DOTs), metropolitan planning organizations, local agencies, and tribal agencies.

Application Deadline: February 14, 2014

Requirements

- Interest in using GeoTechTools to accelerate construction, address right of way issues, tackle soft or unstable ground conditions, or to make more informed decisions as part of project development and delivery.
- Commitment of State DOT leadership to implement GeoTechTools.
- Identification of one or more specific projects to initially use GeoTechTools.
- Participation in product evaluation activities including a qualitative, organizational, and/or before/after assessment conducted by an independent consultant for FHWA.
- Willingness to share knowledge with at least two other organizations interested in implementing GeoTechTools.
- Willingness to participate in regional or national knowledge sharing events to promote the product.

Application Form

Follow these steps to apply for implementation assistance:

1. Review all background information
2. Download the [GeoTechTools](#) application form; and save it to your computer in order to iterate, revise, and secure approvals before uploading the final application and [Leadership Endorsement Letter](#) to this site
3. Once you have completed the form and secured the required Leadership Endorsement Letter, return to this page and complete the contact information fields below
4. Upload the completed application form and Leadership Endorsement Letter
5. Click submit; you will receive an email confirmation that includes the uploaded endorsement letter and application form

Attach letter of endorsement from CEO or designee

no file selected

[View Leadership Endorsement Guidance](#)

Attach completed application form

Indicate priority ranking for this application

Contact Information

State

Organization

Point of Contact

Title

Business Phone

Business Email

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SHRP2 Implementation Assistance Program

Round 3 Application Form

GeoTechTools (R02)

FHWA Product Lead: Silas Nichols, Silas.Nichols@dot.gov, 202-366-1554

This SHRP2 Solution is part of Round 3 of the Implementation Assistance Program. For more information about this product or about applying for implementation assistance, visit the [Implementation Assistance Program page](#) or this product's application page (where this form originated) on the GoSHRP2 website.

Questions:

1. Describe your organization's interest in and goals for using GeoTechTools.
Provide your response here.
2. Briefly describe demonstrated executive-level support for using GeoTechTools.
Provide your response here.
3. Summarize the activities and resources needed to implement GeoTechTools.
Provide your response here.
4. Describe how your organization will use the implementation assistance to support the project(s).
Provide your response here.
5. Describe any obstacles you expect to encounter in using this product in specific project applications, and how you plan to address these.
Provide your response here.
6. As part of project development, how are decisions made about pavements, structures, and alignment that may be affected by geotechnical design strategies?
Provide your response here.
7. How are typical geotechnical-related risks or issues that your agency encounters normally managed or mitigated as part of project delivery?
Provide your response here.
8. How do you think the www.GeoTechTools.org website can be used in your projects?
Provide your response here.

9. Are there any barriers in your agency that you believe would impact implementation of this product?

Provide your response here.

As a reminder:

1. Review all background information located on this product's application page.
2. Once you have completed this form and secured the required Leadership Endorsement Letter, return to application page and complete the contact information fields.
3. Upload this form and the Leadership Endorsement Letter to the page.
4. Click submit; you will receive an email confirmation that includes the uploaded endorsement letter and application form.

For more information or to find this product's application page, visit the [Implementation Assistance Program page](#) on the GoSHRP2 website.