DFI is excited to be hosting and distributing the recordings of the FHWA A-GaME 2020-2021 winter webinar series on our YouTube Channel.

A-GaME webinars feature proven, effective exploration methods and practices for enhanced, effective site characterization that reduce project risks, improve quality and accelerate project delivery.

### Highlights:
- Update on the A-GaME program
- Learn how the A-GaME can add value for YOUR organization
- Lightning Round presentations of A-GaME success stories from State DOTs
- Overview of A-GaME 2020 Winter Webinar Series – Topics and Schedule

### Panelists:
**Moderator:** Silas Nichols, FHWA Office of Infrastructure  
**Speaker:** Ben Rivers, FHWA Resource Center  
**Speaker:** Derrick Dasenbrock, FHWA Resource Center

### Webinar #2
#### Selecting the Right Tools for the Job – Establishing the Project Goal and the Path to Get There

**Highlights:**
- How to determine which tools in the A-GaME toolbox to apply for a site investigation
- How to apply geophysical tools and how to ground-truth
- The benefits of multi-phase/multi-method investigations
- The “thinking” component of subsurface investigations – scoping, justifying decisions and weighing risks
- How to decide to go beyond the minimum requirements on a project.

**Panelists:**
**Moderator:** Derrick Dasenbrock, FHWA Resource Center  
**Speaker:** Jerry DiMaggio, Applied Research Associates  
**Speaker:** Erik Loehr, University of Missouri  
**Panelists:** John Pilipchuk (NCDOT), Krystle Pelham (NHDOT), Bill Owen (CalTrans), Marc Fish (WSDOT), Richard Lamb (MnDOT)
Webinar #3
Contracting: How to Assemble the A-GaME Team

Highlights:
• Contracting experiences from perspectives of a DOT agency, design-build contractor, and a geophysics service provider.
• Pros and cons of contracting versus self-performing geotechnical site characterization work
• Adjusting agency guidelines or policies to allow for use of alternative geotechnical exploration techniques
• Application to traditional design-bid-build and alternative delivery projects
• Building the A-GaME into your agency culture: The role of contracting for services

Panelists:
Moderator: Ben Rivers, FHWA Resource Center
Speaker: Christina Bruinsma, North Carolina Department of Transportation
Speaker: Phil Sirles, Collier Geophysics
Speaker: Brian Collins, Kiewit Construction

Webinar #4
Outcomes: “Winning Your A-GaME”

Highlights:
• Practical advice on using the A-GaME toolbox to more effectively characterize sites for project needs
• Examples from state projects with tangible return-on-investment across the agency - the expected and the unexpected
• Why is the A-GaME a slam dunk?
  - Better site coverage and explained site variation
  - Targeted data and site information needs – type, quantity and quality
  - Easier data communication
  - Improved reliability in design and construction
  - Increased efficiency

Panelists:
Moderator: Ben Rivers and Daniel Alzamora, FHWA Resource Center
Speaker: Jeff Reid, Hager-Richter Geosciences
Speaker: Jeff Currey, Alaska Department of Transportation
Speaker: Jesse Rauser, Louisiana Department of Transportation and Development
Webinar #5
‘Double-Header’
Geophysics: Electrical and Seismic Methods

Highlights:
• Overview of electrical and seismic methods, and fundamental considerations
• Applications for geotechnical site characterization in transportation
• Case-histories
• Advantages of using multiple methods and techniques for site characterization objectives
• Q&A panel with all speakers/panelists at the end of each session

Double-Header Panelists:
Moderator: Ben Rivers, FHWA Resource Center
Speaker: Mike Howley, Hager-Richter
Speaker: Clint Wood, University of Arkansas
Speaker: Phil Sirles, Collier Geophysics
Speaker: Bill Owens, CalTrans
Speaker: William Dalrymple, CalTrans
Speaker: Nolan Leue, CalTrans
Panelist: Jeff Reid, Hager-Richter

Webinar #6
More Holes is More Better!

Highlights:
• Overview of CPT: Capabilities and fundamental considerations
• Analytical practices and applications for geotechnical site characterization in transportation
• Case-histories
• Piezometer installation
• Lessons-learned and challenges with implementation
• Q&A panel with all speakers/panelists at the end of each session

Panelists:
Moderator: Derrick Dasenbrock, FHWA Resource Center
Speaker: Paul Mayne, Georgia Institute of Technology
Speaker: Gerald Verbeek, Verbeek Management Services
Speaker: Andrew Jalbrzikowski, Ohio Department of Transportation
Speaker: Ricardo Todd, Missouri Department of Transportation
Webinar #7
MWD: The Digital Drill Rig

Highlights:
• What IS Measurement While Drilling (MWD)?
• History of MWD technology
• MWD fundamental concepts and use in geotechnical site characterization
• “Guidelines on MWD for Geotechnical Site Investigations”
• Case Study: Montana’s implementation and interest in expanding MWD using Hollow-Stem Auger (HSA)

Panelists:
Moderator: Derrick Dasenbrock, FHWA Resource Center
Speaker: Anahita Modariasari, WSP
Speaker: Jean Benoit, University of New Hampshire
Speaker: Paul Hilchen, Montana Department of Transportation
Speaker: Nick Jaynes, Montana Department of Transportation

Webinar #8
A Look Down the Hole: Optical and Acoustic Televiewers

Highlights:
• The what, why and how of televiewers – A 360°, high-resolution view of the underground!
• The difference between optical and acoustic methods
• The types of rock formations where televiewers really shine
• Bonus features: digital caliper logs, strike and dip plots
• Case history of the value of televiewers from Mosul, Iraq
• State DOT applications

Panelists:
Moderator: Benjamin Rivers, FHWA Resource Center
Speaker: Rob Garfield, Hager Richter Geosciences
Speaker: Georgette Hlepas, U.S. Army Corps of Engineers
Speaker: Nicholas Farny, FHWA - Western Federal Lands Highway Division
Speaker: Gabriel Taylor, Washington State DOT
Webinar #9
Post-Game Analysis: Making the Most of your Methods

Highlights:
• Processing and analysis of geophysical data: Who and How?
• Using the A-GaME technologies in geotechnical material property selection and design
• Use of CPT data in numerical modeling
• Visualizing and interpreting CPT and geophysical data in 2D and 3D

Panelists:
Moderator: Derrick Dasenbrock, FHWA Resource Center
Speaker: Augusto Lucarelli, Itasca Consulting Group, Inc.
Speaker: Jesse Rauser, Louisiana Department of Transportation and Development
Speaker: Xin Peng, Ardaman and Associates
Speaker: Chris Krage, GEI Consultants, Inc.
Special Guest for the panel discussion: Bill Owen, Caltrans

Webinar #10
Reporting and Visualizing the Big Picture for a Winning A-GaME Season

Highlights:
• The Value of Big Data for Risk Mitigation
• Geotechnical Data Interchange: Benefits of DIGGS for agencies and consultants
• Data visualization and augmented reality
• Looking ahead to EDC-6 and Digital As-Built Drawings
• Deep thoughts on the added value in the geotechnical field
• What’s next for the A-GaME?

Panelists:
Moderator: Derrick Dasenbrock and Ben Rivers, FHWA Resource Center
Speaker: Vanessa Bateman, US Army Corps of Engineers
Speaker: David Unkefer, FHWA Resource Center
Speaker: Stephen Taliaferro, Ohio DOT
Speaker: Scott Anderson, BGC Engineering
Speaker: Allen Marr, Geocomp

For more information on the A-GaME, contact Ben Rivers at Benjamin.Rivers@dot.gov