

**State of Practice Report Form (for EDC-5)**

**1) Reporting Period:** Progress Report #2 – December 2019

**2) Accomplishments or Changes to Report?** If there has been NO CHANGE on this innovation during this reporting period and the previous report is still accurate, select "No Change from Previous Report" without completing Questions 3-6.

<input type="checkbox"/>	Changes indicated in Progress Report Below
<input checked="" type="checkbox"/>	No change from Previous Report

**3) Current Implementation Stage:** What is the State’s current stage of innovation implementation?  
 Review the State of Practice Guidance Questions on the next page.

<input type="checkbox"/>	<b>Not Implementing:</b> The A-GaME has not been used or is not regular practice in the state, and the State is not interested in pursuing advanced geotechnical exploration methods and practices for improved site characterization.
<input type="checkbox"/>	<b>Development Stage:</b> The State is in the process of learning more about implementing advanced geotechnical exploration methods and practices. A champion or champions has(have) been identified, staff have received (or State is committed to) training and participating in EDC A-GaME related workshops and webinars.
<input type="checkbox"/>	<b>Demonstration Stage:</b> The State is testing/piloting the A-GaME, integrating project-specific geotechnical-related risk evaluations, and improvements to design, construction and performance reliability within site characterization processes, using one or more of the five featured exploration technologies.
<input type="checkbox"/>	<b>Assessment Stage:</b> The State frequently optimizes site characterization using multiple advanced methods and using practices to reduce geotechnical related project risks and improve design, construction and performance reliabilities. At this level, states may not have yet integrated featured technologies or established routine language and guidance into their geotechnical manual or other policy documents.
<input type="checkbox"/>	<b>Institutionalized:</b> The State has integrated one or more of the technologies and practices of the A-GaME as a standard practice, and language and guidance for use is incorporated within the state’s geotechnical and policy manuals where appropriate.

**4) Accomplishments and Benefits.** Describe the State’s accomplishments for this reporting period (both State DOT and local agency accomplishments). Please provide highlights with good results or stories that can be shared with the deployment teams and other states.

**5) Assistance Needed:** Describe any additional assistance needed by your state.

**6) Lessons Learned:** Describe any implementation obstacles or lessons learned. Also indicate if and how your state can provide assistance to others in their implementation.

**State of Practice Report Form (for EDC-5)**

The information below is to determine the appropriate Innovation Implementation Stage in your State:

<b>Innovation Implementation Stage Definitions</b>	<b>Guidance Questions</b>
<p>*State is all-inclusive (e.g., state agency, local municipalities, contractors, consultants)</p>	<p>Prompt questions to help assess your current state of practice and help tell your story.</p> <p><i>NOTE: Not all questions have to be affirmatively answered to meet any given stage; judgment is required and call the A-GaME Deployment Team w/ questions.</i></p>
<p><b>Not Implementing:</b></p> <p>The A-GaME has not been used or is not regular practice in the state, and the State is not interested in pursuing advanced geotechnical exploration methods and practices for improved site characterization.</p>	<ul style="list-style-type: none"> <li>• After learning its benefits, has the State determined that the A-GaME technologies and practices are not beneficial to their project delivery?</li> <li>• Does the State lack the internal resources or access to consultant expertise to begin an evaluation of the A-GaME technologies and practices?</li> <li>• Is the state not interested in hosting or sending staff to an A-GaME peer-exchange or training course?</li> </ul>
<p><b>Development Stage:</b></p> <p>The State is in the process of learning more about implementing advanced geotechnical exploration methods and practices. A champion or champions has(have) been identified, staff have received (or State is committed to) training and participating in EDC A-GaME related workshops and webinars.</p>	<ul style="list-style-type: none"> <li>• Does the State have a champion or team identified?</li> <li>• Has the State hosted training or sent staff to training or event(s) on advanced site characterization methods and practices?</li> <li>• Has the State participated in workshops, webinars, field demonstrations or peer exchanges?</li> <li>• Has the State sponsored or requested a showcase presentation on A-GaME technologies and practices?</li> <li>• Has the State sponsored or requested field demonstrations of one or more of the five featured exploration methods?</li> <li>• Has the State completed at least one project with low to moderate geotechnical related risks, using one or more of the five featured exploration technologies (either in-house or by a consultant)? Please include the exploration methods used.</li> </ul>
<p><b>Demonstration Stage:</b></p> <p>The State is testing/piloting the A-GaME, integrating project-specific geotechnical-related risk evaluations, and improvements to design, construction and performance reliability within site characterization processes, using one or more of the five featured exploration technologies.</p>	<ul style="list-style-type: none"> <li>• Has the State requested technical assistance or peer review for a project?</li> <li>• Has the State completed at least one project integrating one or more of the five featured exploration technologies (either in-house or by a consultant) while explicitly evaluating and assessing the following: <ul style="list-style-type: none"> <li>○ moderate to very high geotechnical related risks?</li> <li>○ natural site variation of conditions and its impact on design sensitivity and reliability?</li> </ul> </li> <li>• Has the State integrated more than one of the five featured exploration technologies into the project design?</li> <li>• Has the State compared their A-GaME with results from previous practice?</li> <li>• Please include the exploration methods used.</li> </ul>

**State of Practice Report Form (for EDC-5)**

<b>Innovation Implementation Stage Definitions</b>	<b>Guidance Questions</b>
<p>*State is all-inclusive (e.g., state agency, local municipalities, contractors, consultants)</p>	<p>Prompt questions to help assess your current state of practice and help tell your story.</p> <p><i>NOTE: Not all questions have to be affirmatively answered to meet any given stage; judgment is required and call the A-GaME Deployment Team w/ questions.</i></p>
<p><b>Assessment Stage:</b></p> <p>The State frequently optimizes site characterization using multiple advanced methods and using practices to reduce geotechnical related project risks and improve design, construction and performance reliabilities. At this level, states may not have yet integrated featured technologies or established routine language and guidance into their geotechnical manual or other policy documents.</p>	<ul style="list-style-type: none"> <li>• Has the State frequently reduced significant geotechnical related project risks and improved design, construction and performance reliabilities by optimizing geotechnical site characterization using multiple advanced methods and practices?</li> <li>• Is the State working toward incorporating the featured geotechnical exploration methods and practices into required practice within their design manuals, contract language, and other documents?</li> <li>• Has the State observed marked or measured improvements with the standard deviation of bid prices, reductions in cost escalations, reduction in construction delays, improvements in design efficiencies, and improvements in design performance from optimized site characterization?</li> <li>• Please include the exploration methods used.</li> </ul>
<p><b>Institutionalized:</b></p> <p>The State has integrated one or more of the technologies and practices of the A-GaME as a standard practice, and language and guidance for use is incorporated within the state’s geotechnical and policy manuals where appropriate.</p>	<ul style="list-style-type: none"> <li>• Does the State routinely use the technologies and practices of the A-GaME to reduce geotechnical related project risks to schedule and budget, and to improve reliability in design, construction and performance to optimize geotechnical site characterization using proven, effective exploration methods and practices?</li> <li>• Has language been successfully integrated into the State’s policies, procedures, and guidance (e.g., design manuals) to optimize geotechnical site characterization to effectively reduce project risks and maximize ROI from geotechnical exploration?</li> <li>• Has more than one of the five featured exploration technologies been incorporated into routine practices and standard processes?</li> <li>• Please include the exploration methods institutionalized</li> </ul>

**A-Game Champions – FHWA Deployment Team Contacts**

**Ben Rivers;** 404-562-3926; [benjamin.rivers@dot.gov](mailto:benjamin.rivers@dot.gov)

**Silas Nichols;** 202-366-1554; [silas.nichols@dot.gov](mailto:silas.nichols@dot.gov)