

CIA TEAM

INFRASTRUCTURE

PRESERVATION

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FHWA – John Miller

EDC – 5

Collaborative Hydraulics: Advancing to the Next Generation of Engineering (CHANGE)

Purpose: Improve the understanding of complex interactions between river or coastal environments and transportation assets

Benefits:

- *enabling better design*
- *enhanced communication*
- *more efficient project delivery*



Status: Assessing product, will make recommendation to FHWA

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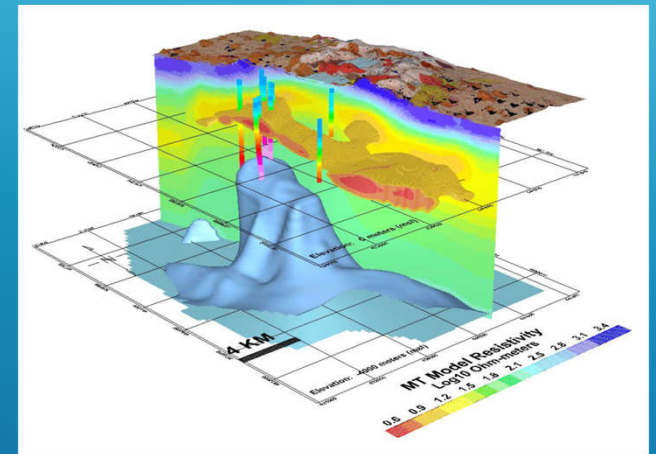
Advanced Geotechnical Exploration Methods (The A-Game)

Purpose: To explore new innovative technologies for enhancing the subsurface exploration program.

Benefits:

- Reduce uncertainties in subsurface conditions
- Mitigates design and construction risks
- Improved Quality
- Accelerate Project Delivery

Status: Continuing to evaluate, on a project by project basis, the feasibility of implementing the new technologies



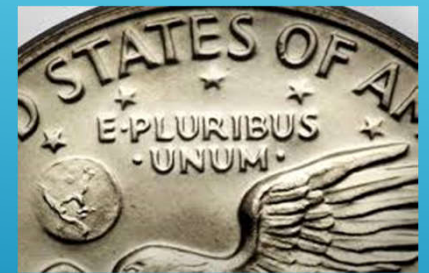
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Project Bundling

Purpose: To continue to explore new methods of project bundling

Benefits:

- Streamlines design, contracting, and construction
- Capitalize on economies of scale to increase efficiency
- Greater collaboration during project delivery and construction



Status: NJDOT is exploring the use of project bundling solicitations for Intersection Improvement projects and Delaware & Raritan Canal bridge replacement projects.