

CIA TEAM

INFRASTRUCTURE

PRESERVATION

NJDOT – Bob Signora

FHWA – John Miller

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: Team is assessing product; having some technology challenges. Considering hosting another training in 2020.

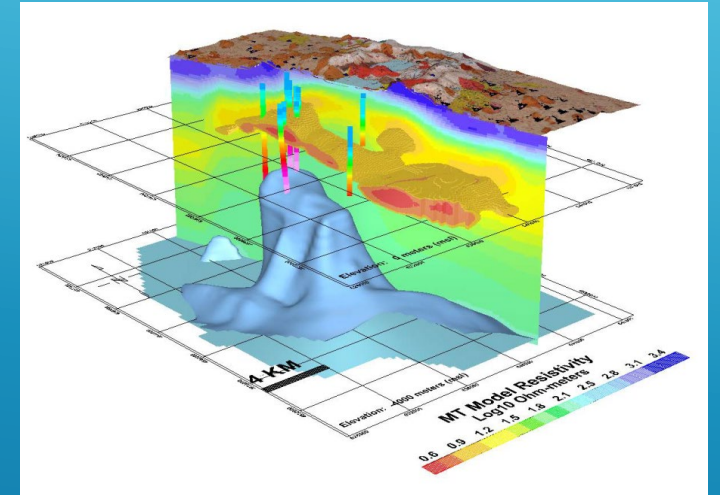
Advanced Geotechnical Exploration Methods (The A-Game)

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: Geophysical Testing has been added to the New Sections 22 & 23 of the Bridges and Structures Design Manual



EDC – 5

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.