

# CIA PROGRESS UPDATES: ONGOING INNOVATIONS

## CIA TEAM SAFETY

NJDOT – Dan LiSanti  
FHWA – Caroline Trueman

## CIA TEAM MOBILITY & OPS

NJDOT – Sal Cowan  
FHWA – Ek Phomsavath

## CIA TEAM INFRASTRUCTURE PRESERVATION

NJDOT – Bob Signora  
FHWA – John Miller

- Generate ideas
- Investigate Ideas
- Develop Ideas
- Deploy Ideas

Report to FHWA and the Council

CIA TEAM

***INFRASTRUCTURE***

***PRESERVATION***

NJDOT – Bob Signora

FHWA – John Miller

# Locally Administered Projects: Consultant Services Flexibilities

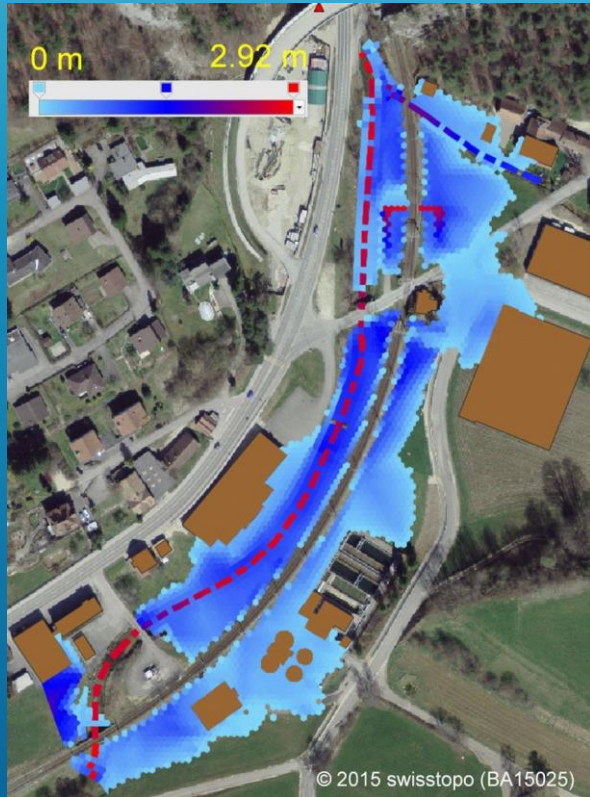


Purpose: To provide consultant services to develop and deliver locally administered federal aid projects.

- Implemented Pilot Design Assistance Program for Safe Routes to School and Transportation Alternatives
- Team is obtaining training module feedback and will evaluate the program once the projects have been completed

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

Purpose: To explore the use of the next generation of hydraulic modeling tools.



- Team Members attended 1D hydraulic analysis training (Feb/March 2018)
- Pilot projects are being selected to assess the modeling tools strengths & weaknesses and the ease of use.
- Pilot projects will be used to develop methodologies, policies and procedures to be used for 2D modeling of complex bridge hydraulics.

# Ultra High Performance Concrete (UHPC) overlay for bridge decks

**Purpose:** Investigate new application of UHPC (overlying bridge decks)

- 6 bridges were selected to receive various types of overlay including UHPC overlay
- Coordinate with FHWA NJ Division Office and others as needed to fully assess



# Ultra High Performance Concrete (UHPC) on Link Slabs

## Purpose: Investigate new application of UHPC (Link Slabs)

- Pilot project (Rt. 17 over Central Avenue bridge) is being considered for this application.
- Department/CD Consultant will evaluate this further before making a determination on whether to pursue UHPC for this project

