

CIA TEAM

***INFRASTRUCTURE***

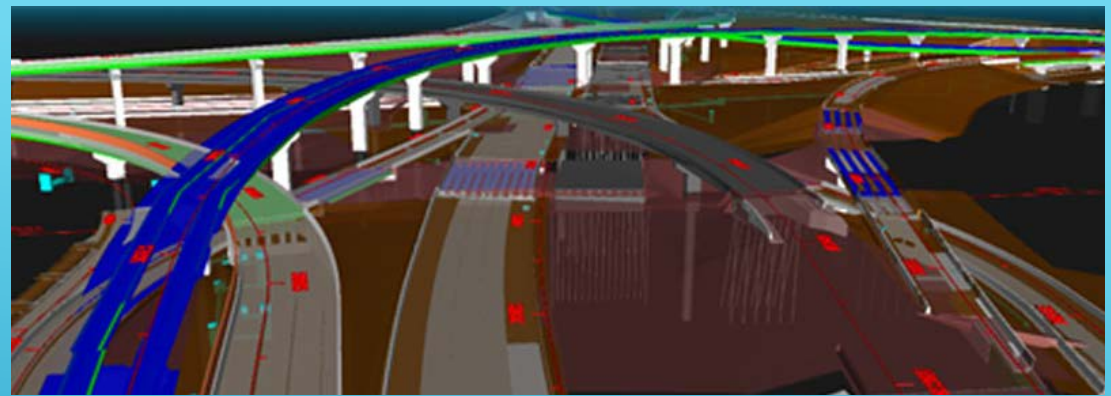
***PRESERVATION***

NJDOT – Bob Signora

FHWA – Nunzio Merla

# EDC – 6

## Digital As-Builts



**Purpose:** *To explore the use of 3D models to build projects and update that digital information to reflect the project's as-built condition*

### **Status:**

- *Team is still gathering information (potential issues, lessons learned) from designers, SMEs, etc.*
- *Based upon what's learned, Team is planning on 2 pilot projects to test the technology*
- *Team will attend the "Let's Go! Innovation Workshop" scheduled for September 21st and 28th*

# EDC – 6

## e-Ticketing



**Purpose:** Provide stakeholders with an electronic means to produce, transmit, and track and verify materials deliveries

### **Status:**

- *Effort in Development Stage*
- *Two Vendors have given presentations to date. Continuing to reach out to other Vendors for future presentations.*

# EDC – 6

## Targeted Overlay Pavement Solutions (TOPS)



**Purpose:** To develop and install overlays that provide long-life performance under a wide range of traffic, environmental, & existing pavement conditions

### Status:

- Continued use of TOPS treatments. 2 HPTO projects awarded (June 2021).
- Working on developing SFY2023/2024 preservation projects which will include additional TOPS treatments. Continuing investigation of some HPTO failures.
- Hope to identify candidate project(s) for HiMA (Ultra-HPTO) soon and implement this TOPS treatment.
- Nusrat Morshed will be taking over as the Innovation Champion.

# EDC – 6

## UHPC for Bridge Preservation and Repair



**Purpose:** *To explore the use of UHPC for Bridge Preservation and Repair.*

### Status:

- Funding secured for testing program of UHPC overlays and notice to proceed was issued.
- Provided presentation at the International Bridge Conference (IBC) per an invite from FHWA.
- Team presently preparing for hosting 2 upcoming workshops.
- Hosting FHWA EDC-6 workshop in October, 2021. Also, participating in NJLTAP workshop with a presentation to support local and municipal agencies efforts in UHPC P&R adoption and implementation.
- Milestone: *1<sup>st</sup> NJDOT UHPC link slab application is in construction phase.*





QUESTIONS?