

CIA TEAM

INFRASTRUCTURE

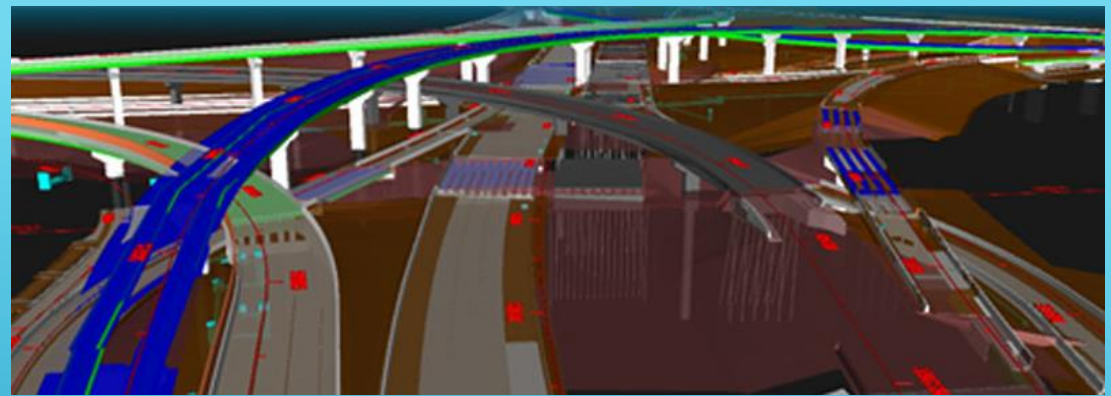
PRESERVATION

NJDOT – Shivani Patel

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:

- The team is still in the process of selecting a pilot project (OpenRoads software)
- Team meetings will resume in the 4th quarter
- NJDOT staff participated in the FHWA Digital As-Builts Forum on July 25, 2022

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e-Ticketing



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



Status:

- Initiated the procurement process for an e-ticketing vendor
- The team is awaiting approval of procurement documentation
- Next steps: completing the procurement process, selecting a vendor and learning the system

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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:

- The Route 42 project (UPC 213090) which includes Ultra High Performance Thin Overlay was awarded on June 20, 2022
- NJDOT Pavement Management Unit conducted skid testing on three projects
- The team participated in the “Enhanced Friction Overlay Experience” forum hosted by the National Center for Asphalt Technology

EDC – 6

UHPC for Bridge Preservation and Repair



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

Status:

- The team presented at the 39th Annual International Bridge Conference on July 18-20, 2022
- Currently preparing for the first UHPC link slab applications-Superstructure Replacement Project, River Road over Rt. 287 Bridge
- UHPC link slab applications are currently in Final Design for multiple projects
- The team will complete the UHPC overlay testing data and establish baseline



QUESTIONS?