

CIA TEAM

INFRASTRUCTURE

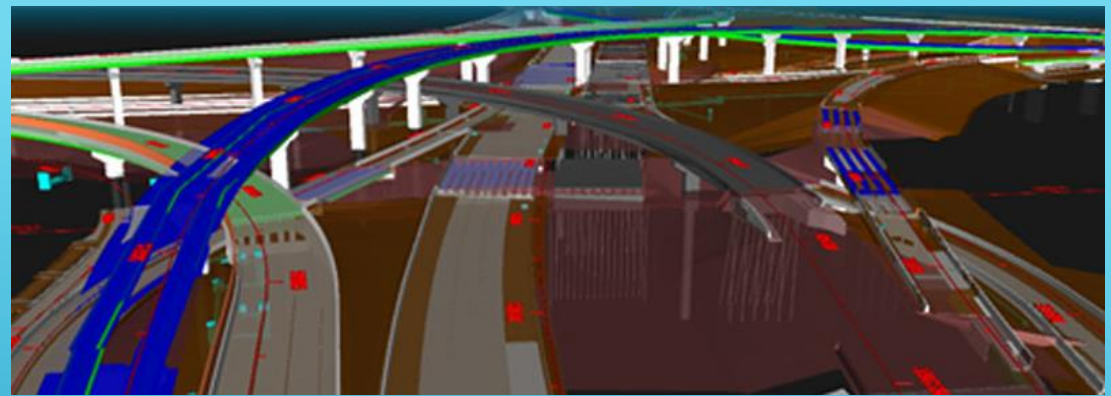
PRESERVATION

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:

- *There has been a change in leadership for this initiative (Bob Marshall)*
- *The internal team has expanded to include in-house roadway design, traffic engineering, geometric survey, CADD unit, local aid, construction, PMO and the consultant industry.*
- *The team is continuing and prioritizing the advancement of new CADD platform*

EDC – 6

e-Ticketing



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

Status:

- Two additional vendors have provided presentations
- In the next quarter, the team anticipates completing deliberation and selecting a vendor
- A pilot program to begin in Spring 2022

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:

- Ultra High Performance Thin Overlay is included in Route 42 project (UPC 213090)
- The specification has been finalized and item number created
- In the next months, the team will evaluate potential projects for the application of Enhance Friction Overlay (EFO) treatment

EDC – 6

UHPC for Bridge Preservation and Repair



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

Status:

- The testing at location 1 (I-295 NB & US 130 NB over Mantua Creek Bridge) is complete
- The team is preparing for testing at location 2 (I-280 WB over Newark Turnpike (CR 508) Bridge)
- In the next months, the team will complete analysis and report results of phase 1 testing



QUESTIONS?