

CIA TEAM

INFRASTRUCTURE

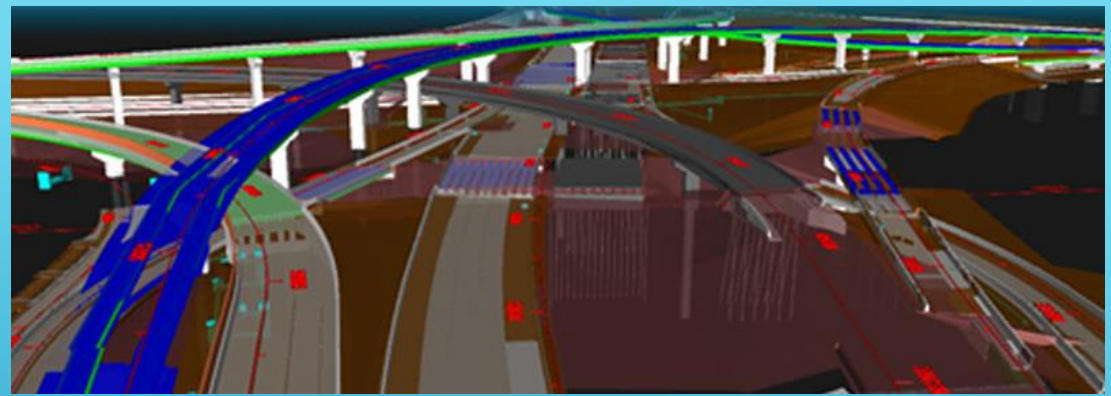
PRESERVATION

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 members attended the Let's Go! Innovation Workshop on September 21st. and 28th.
- Team is in process of scheduling a meeting with upper management to present the current progress and potential pilot projects for their buy in
- A designated team member is coordinating with a company to present their innovative technique in construction inspection.

EDC – 6

e-Ticketing



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

Status:

- *Two Vendors have given presentations to date and a third Vendor has been contacted .*
- *In the next quarter, the team plans on selecting the e-ticketing Vendor.*
- *The team will begin implementing e-ticketing with the existing software (SiteManager Construction)*

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). Item number was created for this product.
- Team is continuing to develop SFY2023/2024 preservation projects which will include additional TOPS treatments.
- In the next months, the team will evaluate any potential projects for the application 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:

- NJDOT hosted the FHWA EDC-6 UHPC workshop on October 20th & 21st, 2021. (191 attendees, NJ contractors, designers, suppliers, State & County Engineers).
- NJDOT also provided support to researchers at Rutgers for UHPC testing in the BEAST Lab.
- Team is currently identifying performance testing locations for UHPC overlay pilot projects. The highway occupancy permits were submitted last week in hopes of initiating the testing by the middle of December.
- Testing occurrences per bridge for the long-term testing program will be from 2022 through 2026 (pending funding).



QUESTIONS?