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
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.
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.
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 NJ LTAP workshop with a presentation to support local and municipal agencies efforts in UHPC P&R adoption and implementation.
• Milestone: 1st NJ DOT UHPC link slab application is in construction phase.
QUESTIONS?