

Below are the pilot project specific highlights (past)

[04/26/24] DISTRICT 3: PROJECT BUNDLE - FIRST PILOT PROJECT TO LET

Multiple bridge replacements on US-79 in Logan and Todd Counties let on August 18, 2022, under a single construction contract through federal BUILD grant program. It was awarded to *Scotty's Contracting and Stone, LLC*. KYTC staff identified the project as a pilot opportunity due to the exceptional in-house design using OpenRoads Designer. Pilot Project Objectives for this District 3 project include, but are not limited to:

- **Training and Support:** For all pilots, Digital Project Delivery (DPD) core staff will directly and indirectly (coordinate) aid in mitigating obstacles. Core staff will identify, relay, and document information about obstacles. The DPD core staff will relay this information to appropriate personnel.
- **Designer Available During Construction:** Involvement of the project designer may include progress meeting participation, construction updates to design data (e.g., proposed Terrain), and change management.
- **Design Deliverables:** Current KYTC CAD Standards requirements, KMZ information, PDF of plans, and more.
- **Software Test of Bentley SYNCHRO:** Using KYTC provisioned technology (iPads, iPhones, laptops, desktops), KYTC Construction staff (with daily field inspection responsibilities) will be able to find, access, and test the use of EED.

[07/02/24] Pilot Project Specific Highlights: District 4

- The DPD initiative at KYTC recently has progressed with the District 4 Pilot Project. This project is in Grayson County; Leitchfield Bypass; KY 3155; Item No. 4-8954. At the end of February, a DPD and UAS presentation with the D4 section offices was held at the district office. This visit and discussion brought concerns of construction and maintenance to the surface and further follows the open lines of communication across disciplines that the initiative so greatly aims to achieve and maintain. The pilot's Implementation Plan, field day visits for staff, training, design review tools, and software/equipment needs were also discussed. Within the Implementation Plan, highlights include special notes for contractor evaluation of Trimble Quadri tools; utility features modeled; drainage features modeled; addressing level of effort, deliverables, and keeping the designer available during construction. As KYTC shifts to a digital realm, the core team is also focusing on the designer review tools. This includes software tests and demonstrations.

Below are the subcommittee specific highlights (past)

[07.02.24] IN THE SPOTLIGHT: SUBCOMMITTEE ACTIVITY - DESIGN

The DPD Subcommittee for Design's main goal is to develop immediate changes to plan production and deliverables to streamline current processes. This includes alleviating hurdles with software and facilitating a digital deliverable to Project Development contributors and Construction. In the most-recent meeting, the group focused on the framework for establishing a Best Practices Manual. This would give designers better guidance for generating a 3D model. The necessity for workflows was also discussed; topics of concern for designers that are repeatedly being dealt with will be addressed first. This includes topics such as feature definitions for subgrade items, annotation scales, and container file usage.