

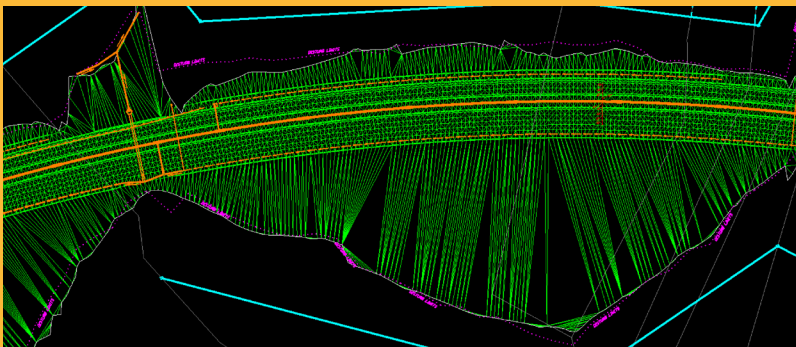
DPD OFFERS DATA USERS MORE EFFICIENT AND INTUITIVE INFORMATION EXCHANGE THROUGHOUT A TRANSPORTATION ASSET'S LIFECYCLE.

PILOT PROGRAM GAINS

Improved design-phase modeling leads to measurable savings for KYTC. DPD helps project teams identify and resolve inconsistencies before construction, leading to safer roadways and fewer change orders during construction. Recent examples of DPD Pilot Project successes:

- Model reviewers spotted a conflict between structure plans and roadway clear zone and adjusted plans for a safer configuration. This prevented a costly change order.
- Entrance modeling highlighted a problem with embankment slopes that would have resulted in substandard roadway slopes. Lengthening pipes and flattening slopes in the design saved construction change orders later.

CADD display of surface triangulation and geometry features as received by KYTC through a set of final design deliverables



CONTINUING DPD BEYOND 2023

- Pilot Project Program
- Broader Implementation Planning
- Uniform Quality Checks of Design Deliverables
- Industry Collaboration
- Peer and Neighbor State Partnerships
- Post-Construction Project Reviews

Digital Data Sharing and the Lifecycle of Infrastructure Assets



- DPD-dedicated staff in three KYTC Divisions
- Active Subject Matter Expert Committees
- Multiple Software Tests
- Construction Training and Support
- Designer Available during Construction
- Field Survey Innovations
- Tools for Daily Construction Inspection

Contact:

Josh Withrow
Cory Willmerdinger

Submit questions to:

KYTC.DPD-QandA@ky.gov



Scan here to
visit the DPD
Website

