Digital Project DELIVERY

Fundamentals

KYTC took a noteworthy step toward digital project delivery (DPD) in 2004 with the agency's requirement that supplemental project design files from Design be passed to construction bidders as a part of CAD Standards V 2.0.

Full Implementation

When DPD is fully implemented, design and construction data will be better able to support the entire life cycle of infrastructure assets. Achieving full implementation requires long-term planning and KYTC's DPD program will help Kentucky craft a digital delivery policy tailored to its unique context.

Pilot Projects

Eight pilot projects are testing how 3D design models can support construction project management. Products from two software vendors (Trimble and Bentley) are being evaluated, along with multiple model viewing options (e.g., GIS, PDF). An implementation plan has been developed for each pilot that describes the scope of testing, specific objectives, and project stakeholders. These projects are critical for understanding how information is exchanged and working toward agencywide implementation.

Training and Support

KYTC is developing training resources and support systems for construction and design staff. Construction feedback will underpin design modeling guidance.

External Partners

KYTC's external partners include ACEC and KAHC members, utilities, peer states, and FHWA. DPD is helping the Cabinet advance multiple FHWA Every Day Counts initiatives. What distinguishes Kentucky is its strong industry partnerships. DPD is leveraging these relationships to facilitate collaboration between diverse stakeholders. KYTC's partners stay engaged in DPD through pilot projects, surveys, interviews, committee involvement, and email subscription.

Digital Data Sharing and the Lifecycle of Infrastructure Assets

8 Pilot Projects
Testing **2** New Software Options and Revisiting Existing Options
15 Objectives
3 DPD Core Staff
8 Section Offices
10 Designers

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