



Road and Bridge Construction Planning Solution

With governments spending more on infrastructure projects globally, digital technology will be key for combating the challenges the heavy civil industry faces. Bentley's Road and Bridge Construction Planning Solution enables transportation owners to increase collaboration between design and construction and advance from traditional PDFs to 3D/4D model-based workflows. The result is enhanced project visibility, safer jobsites, and less disruption to the public.

CONNECT YOUR DESIGN AND CONSTRUCTION WORKFLOWS

Disconnected workflows between design and construction teams are a big driver for making the shift to 3D/4D model-based workflows. Traditionally, design teams flatten their 3D design models to 2D PDFs for construction planning and coordination, losing much of the design intent and leading to lengthy review processes, costly change orders, and schedule delays. But as contractors adopt digital technology, 3D design models are becoming more valuable, enabling teams to capture additional project data, improving the coordination between design delivery and construction planning.

INCREASE PROJECT VISIBILITY, PREDICTABILITY, AND PRODUCTIVITY

The Road and Bridge Construction Planning Solution easily turns linear design models into construction models. This gives teams visibility into design and construction data to optimize project plans, schedules, and resources. These 3D/4D workflows create a single source of truth that connects projects and contracts, keeping the entire project team aligned and reducing the potential for miscommunication and errors. With this solution you will deliver more projects, faster, safely, and more efficiently, ensuring your roadways and bridges are the best they can be for the communities they serve.

KEY FEATURES

- ◆ Improve design quality and intent
- ◆ Streamline design and construction review processes
- ◆ Optimize project schedules while keeping original design intent
- ◆ Anticipate impacts on traffic flows within time and spatial contexts
- ◆ Increase transparency to inform the public and meet regulations
- ◆ Improve safety planning to reduce jobsite accidents and injuries
- ◆ Visualize and resolve conflicts before construction begins
- ◆ Reduce change orders and rework on projects

