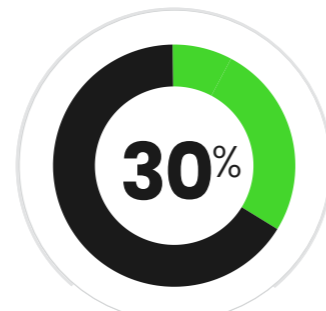


Coordinated Rail Construction Planning Benefits

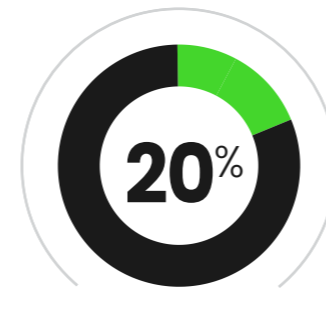
Digitization is currently reshaping the rail industry, providing opportunities for data-driven enhancements throughout the entire project lifecycle. Many rail and transit owner-operators are changing their processes to adopt 3D/4D digital design and construction workflows to deliver projects faster and more safely.

Rail projects without coordinated design and construction planning:

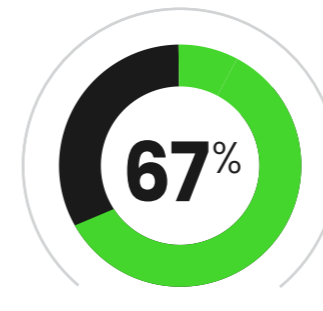
- Lengthy review processes with 7+ iterations
- Siloed workflows between design and construction teams
- 20% of heavy civil projects running over schedule
- Design errors that result in costly change orders and omissions
- Lack of data to properly maintain and operate the infrastructure asset



Early adoption of collaborative working practices for a digital railway could deliver potential savings of **30%**.¹



Construction projects with digital delivery have the potential to accelerate construction time by **20% or more**.²



Rail projects are using digital construction planning to reduce staging time by up to **67%**.³

Rail projects with coordinated design and construction planning:

- Reduce construction staging by 67%
- Expedite design and construction review processes by 30%
- Increase collaboration, quality, and safety of projects
- Accelerate construction time by 20% or more
- Reduce change orders by 15% or more
- Improve operation and management of the asset with digital-as-built records

Learn more about Bentley's rail construction planning solution.

Download e-book >>

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