# AUTODESK® CIVIL 3D®

## Civil infrastructure design and documentation software

Civil 3D supports BIM workflows with integrated features to improve design and construction documentation.



## → CAPABILITIES

- Deliver design and construction documentation for road & highway, site design, rail, and bridge projects.

- Perform design tasks faster, including surface, corridor, and terrain modeling; pressure pipe networks and storm and sanitary systems designs; transit track design, and more.

- Automate repetitive, time-consuming tasks with Dynamo.

- Automate rehab corridor design and optimize mill and overlay to balance costs vs. performance.

- Swept path analysis helps speed planning and evaluate safety standards compliance.

- Improve team coordination and better integrate horizontal and vertical project workflows.

- Integrates with BIM 360 for project collaboration.

## ⊕ BENEFITS & OUTCOMES

**Accelerate Design & Documentation:**
Work with dynamic model-based designs and design-driven documentation environment.

- Improve design quality and win rate
- Reduce design time

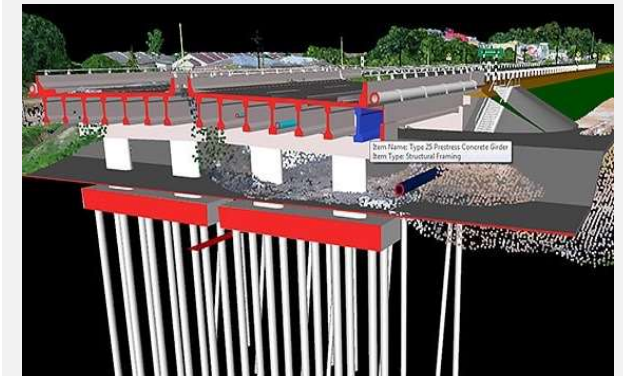**Advance Workflows with GIS and Design Automation:**
Incorporate GIS data and expedite completion of repetitive tasks.

- Increase stakeholder buy-in
- Focus on critical design decisions
- Design with sustainability in mind

**Improve Coordination & Collaboration:**
Exchange data across multidisciplinary teams while maintaining standards and accuracy.

- Manage complexity
- Reduce errors & rework
- Improve CSAT



*"On infrastructure projects, BIM can effectively help project teams find the best options while avoiding problems, such as error and interferences. It improves overall engineering quality."*

**Hua Xie**
IT Supervisor, China Railway Siyuan Survey and Design Group

**CUSTOMER STORIES** ▶