AUTODESK® INFRAWORKS®

Civil infrastructure conceptual design software

Model, analyze, and visualize design concepts within a real-world context of the built and natural environment.

→ CAPABILITIES

- Aggregate large amounts of data to generate a rich context model.

- Seamlessly integrate GIS data.

- Visually explore conceptual design options for roadway, sites, rail and transit, bridge, and water infrastructure projects.

- Use mobility simulation tools to evaluate personal, transit, parking, and modeling of other movement flows.

- Analyze traffic flow through intersections and conduct line-of-sight studies to visualize the impact of designs from specific project locations.

- Visualize your project under different sun and sky conditions.

- Generate compelling visual experiences to communicate design intent.

⊕ BENEFITS & OUTCOMES

Improve Understanding of Design Impacts
Work with a context model that accurately represents the built and natural environment

- Improve design decisions

- Reduce design time

- Design for minimal environmental impact

Accelerate Approvals
Layout and explore conceptual design options through compelling in-context visual presentations.

- Increase stakeholder buy-in

- Meet client requirements

Optimize Designs
Analyze and simulate key design elements and communicate designs through compelling visualizations.

- Exceed performance requirements

- Improve win rate

- Increase CSAT

"We needed to get away from managing this facility with thousands of 2D drawings. What we really needed for Glen Canyon was a comprehensive 3D model of the dam, the canyon walls, the reservoir area upstream of the dam, the river downstream, and the power plant—inside and out."

—**David Winslow**, CAD manager and civil engineer, Bureau of Reclamation

CUSTOMER STORIES ▶