

# Connected workflows for road & highway projects with the AEC Collection

## Create with ease

Create high-performing and resilient infrastructure with a set of BIM and CAD tools that support conceptual and detailed design through to construction.

## Explore what's possible

Optimize infrastructure projects with integrated analysis, generative design, and visualization and simulation tools.

## Build with confidence

Improve predictability in the field with tools that maximize constructibility and project coordination.

## Business Benefits



### Win more work

Access tools that enable you to bid for, win, and deliver more business.



### Improve operational efficiency

Automate tasks to reduce design time and improve handoff with streamlined data exchange.



### Deliver more sustainable projects

Deliver projects that exceed performance requirements.



### Reduce risk

Increase stakeholder buy-in, while reducing errors and rework.

## Capabilities

Using a connected BIM workflow, road & highway designers and engineers can more seamlessly conceive, model, optimize, and coordinate their designs with AEC professionals across disciplines and throughout the lifecycle of a project.



### Reality Capture



### Computational and Generative Design



### Conceptual Design



### Virtual Reality



### Visualization



### Documentation



### Detailed Design



### Multidiscipline Coordination

# What the tools in the AEC Collection can do for you



## Survey

## Planning & Conceptual Design

## Detailed Design

## Documentation



### ReCap Pro

Design in-context with reality-capture and 3D scanning software and services.



### 3ds Max

3D modeling, animation and rendering software for design visualization and engaging virtual reality experiences.



### AutoCAD

Speed documentation, share ideas, and explore 3D concepts.



### Revit

Intelligent model-based tool to plan, design, construct, and manage infrastructure with support for multidiscipline collaborative design processes.



### AutoCAD

Speed documentation, share ideas, and explore 3D concepts.



### Vehicle Tracking

Transportation analysis and design software built for vehicle swept path analysis.



### Dynamo

Automate tasks and workflows in a visual programming environment.



### ReCap Pro

Design in-context with reality capture and 3D scanning software and services.



### Navisworks

Integrated data from multiple sources to facilitate whole project review, coordination, and quantification.



## AUTODESK® DOCS

Simplify team collaboration and data management with a cloud-based common data environment

“The advantages of using Autodesk software go beyond just a common platform... **its model-based design approach speeds up everything** from the creation of alignments and surfaces to volume and earthwork calculations. And since the design model is dynamically linked to the quantities and documentation, **we save considerable time when making design changes.**”

-Jessica Hunter  
Project Development Engineer

Learn about AEC Collection at [autodesk.com/aeccollection](https://autodesk.com/aeccollection)

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