







Overview	 <b>AUTODESK</b> InfraWorks	 <b>AUTODESK</b> Civil 3D	 <b>AUTODESK</b> Architecture, Engineering & Construction Collection
	Conceptual design software to model, analyze, and visualize infrastructure design concepts within the context of the built and natural environment.	Civil engineering design software with integrated features to improve drafting, design, and construction documentation.	Powerful BIM and CAD tools to unlock workflows for designers, engineers and contractors.
<b>Rail Design</b>			
Alignment and profile design		✓	✓
Corridor modeling		✓	✓
Design automation		✓	✓
Platform edge design		✓	✓
Special trackwork design		✓	✓
Project Explorer			✓
Light rail and tram vehicle tracking			✓
<b>Road and Highway Design</b>			
Materials and quantities	✓	✓	✓
Roundabout design	✓	✓	✓
Corridor modeling		✓	✓
Design automation		✓	✓
Drainage design		✓	✓
Intersection design		✓	✓
Road rehabilitation		✓	✓
Project Explorer for Civil 3D			✓
Swept path analysis			✓
<b>Site Design</b>			
Materials and quantities	✓	✓	✓
Parking lot layout	✓	✓	✓
Roundabout design	✓	✓	✓
Storm & sanitary sewer detailed design		✓	✓
Corridor modeling		✓	✓
Design automation		✓	✓
Pressurized utilities		✓	✓
Survey		✓	✓
Terrain modeling		✓	✓
Grading		✓	✓
Swept path analysis			✓
Grading Optimization			✓
Project Explorer			✓
<b>Bridge Design</b>			
Bridge alignment, profile, section modeling	✓	✓	✓
Parametric bridge modeling	✓		✓
Spreadsheets for repetitive tasks	✓		✓
Structural analysis	✓		✓
Girder calculations for optioneering	✓		✓
Hybrid grillage / Finite element models	✓		✓
Publish bridge model to Revit	✓		✓
Rebar detailing and drawing production			✓
<b>Conceptual Design</b>			
Storm & sanitary sewer conceptual design	✓	✓	✓
Roadside grading	✓	✓	✓
Theme palettes	✓		✓
Cross-section views	✓		✓
Component roads	✓		✓
Roundabout design	✓		✓
Component-based bridge design	✓		✓
<b>Contex Modelling</b>			
Design corridor	✓	✓	✓
Model existing environment	✓	✓	✓
Import 3D Models	✓	✓	✓
Revit Model Integration	✓		✓

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<b>Analysis And Simulation</b>			
Material quantities	✓	✓	✓
Stormwater analysis		✓	✓
Alignment & Profile optimization	✓		✓
Line of sight analysis	✓		✓
Bridge line girder analysis	✓		✓
Flood simulation	✓		✓
Mobility simulation	✓		✓
Traffic simulation	✓		✓
<b>Visualization</b>			
Animation (Export to 3dsMax)	✓	✓	✓
Atmospheric effects	✓		✓
Storyboarding and animations	✓		✓
<b>Reality Capture</b>			
Generate terrain from point clouds	✓	✓	✓
Generate feature from point clouds	✓		✓
Scan to Mesh			✓
Generate point clouds			✓
Photo processing			✓
<b>Plan Production And Planning</b>			
Plan and profile sheet generation		✓	✓
QTO and earthwork calculations		✓	✓
Construction documentation		✓	✓
<b>Collaboration and Interoperability</b>			
Connector for ArcGIS	✓	✓	✓
Collaboration for Civil 3D		✓	✓
Corridor data shortcut (DREF)		✓	✓
IFC import and export		✓	✓
System Requirement			
Processor	Dual-core Intel® Core™2 or equivalent	Minimum: 2.5–2.9 GHz Recommended	Minimum: 2.5–2.9 GHz Recommended
Microsoft Windows	10, 64-bit	10, 64-bit	10, 64-bit
Apple macOS			
Linux			
Disk space	16 GB	16+ GB	16-30+ GB
RAM	8-16+ GB	8-16+ GB	8-16+ GB
Video graphics card	DirectX® 10.1 capable 2 GB+ VRAM	DirectX 12 compliant 1-4+ GB VRAM	DirectX 12 compliant 1-4+ GB VRAM
Browsers	Chrome, Firefox	Chrome	Chrome