

AutoCAD® Civil 3D® Release Comparison Matrix

LEGEND

- ✓ Supported Feature
- ENHANCED** Enhanced Feature
- NEW** New Feature

	2009	2010	2011
USABILITY			
Application Menu		NEW	✓
New User Interface		NEW	✓
Context Specific User Interface Tabs		NEW	✓
Menu Tooltips		NEW	✓
Zoom to Point			NEW
64-bit version			NEW
MULTIUSER PROJECT ENVIRONMENT			
Multiuser Project Environment	NEW	ENHANCED	✓
Labeling Through XREF	NEW	✓	✓
PLAN PRODUCTION AND PRODUCTION DRAFTING			
Plan Production Wizard	✓	✓	✓
Customized Object Styles	✓	ENHANCED	ENHANCED
Customized Label Styles	✓	ENHANCED	ENHANCED
Cross Section Sheet Styles	✓	✓	ENHANCED
Cross Section Sheet Labels	✓	✓	ENHANCED
Cross Section Object Projection		NEW	ENHANCED
Profile Hatching		NEW	✓
Profile Object Projection		NEW	✓
Profile and Section Band Label Grips		NEW	✓
Create Section Sheets Wizard			NEW

	2009	2010	2011
SURVEY			
Translate Survey Database	✓	✓	✓
Survey Figure Creation	✓	✓	ENHANCED
Data Connection Link	NEW	ENHANCED	✓
Automatic Linework from Points and Linework Code Sets		NEW	✓
Survey Data Wizard		NEW	✓
Edit Survey Figure Vertices			NEW
Point File Format with User-Defined Properties			NEW
Survey Change Report			NEW
POINT CLOUDS			
Point Cloud Object			NEW
Point Clouds Display			NEW
Creating Surfaces from Point Clouds			NEW
SURFACES			
Reorder Surface Operations	NEW	✓	✓
Simplify Surface	NEW	✓	✓
Surface Volume Correction	NEW	✓	✓
Data Clip Boundary	NEW	✓	✓
Finding and Resolving Crossing Breaklines			NEW
Create Surface from GIS Data			NEW
Crop Surfaces			NEW
PARCELS			
Automatic Parcel Sizing Tools based on frontage from an offset		NEW	✓
Temporary Layout Graphics		NEW	✓
GEOSPATIAL ANALYSIS			
Thematic mapping	✓	✓	✓
Topology (Drawing objects)	✓	✓	ENHANCED
Buffering	NEW	✓	✓
Overlay (Features)		NEW	✓

	2009	2010	2011
ALIGNMENTS AND PROFILES			
Tangents, Curves and Spirals	✓	ENHANCED	ENHANCED
Best Fit Entities	NEW	✓	✓
Criteria Based Design	NEW	✓	✓
Design Checks	NEW	✓	✓
Alignment Types (Centerline, Offset, Curb Return, Misc)		NEW	✓
Dynamic Offset Alignments and Widenings		NEW	ENHANCED
Alignment Masks		NEW	✓
Profile Locking		NEW	✓
Extending Profile Tangents to PVI			NEW
Best Fit Alignment and Profile			NEW
Create Alignment from Existing Alignment			NEW
SUPERELEVATION			
Import Superelevation from CSV			NEW
Dynamic graphical editing of superelevation transitions			NEW
CORRIDOR MODELING			
Use Survey Figures, Feature Lines and/or Polylines as Targets	NEW	✓	✓
Extract dynamic alignments, profiles, polylines and/or feature lines	NEW	✓	✓
Copy/move/mirror subassemblies	NEW	✓	✓
Assembly sharing	NEW	✓	✓
Automatic Surface Boundary Creation for Multiple Baseline Corridor		NEW	✓
QTO Pay Items for Corridor Feature Lines and Links		NEW	✓
Creation and Editing of Complex Corridors via Visual Interaction		NEW	ENHANCED
INTERSECTION MODELING AND ROUNDABOUT LAYOUT			
Intersection Object		NEW	✓
Automatic Creation of Intersection corridor regions and targets		NEW	✓
2D Layout Design Tool for Roundabouts			NEW
SECTIONS AND SECTION VIEWS			
Section View Wizard	NEW	✓	✓
Mass Haul Diagrams	NEW	✓	✓
Wizard-driven generation of layouts for plotting cross section			NEW
Project objects to multiple plotted sections			NEW

	2009	2010	2011
GRADING			
Feature Lines in Prospector	NEW	✓	✓
Feature Line names	NEW	✓	✓
PIPE NETWORKS			
Pipe Networks Pipe Catalog	✓	ENHANCED	ENHANCED
QTO Pay Items built into Pipe Network		NEW	✓
Pipe network from Polyline			NEW
Pipe network Join and Break			NEW
VISIBILITY CHECKS			
Drive Tool			NEW
Line of Sight Tools			NEW
DATA INTEROPERABILITY			
Import DGN	✓	✓	ENHANCED
Export to DGN	✓	✓	ENHANCED
Open Source and Third-Party FDO Data Provider integration	✓	✓	ENHANCED
Direct Read/Write Spatial Data (FDO technology)	✓	✓	✓
Import and Export GIS files (e.g. SHP, SDF, TAB, GML, SDTS)	✓	ENHANCED	✓
PDF Export	✓	ENHANCED	✓
Google Earth™ Image and Data Import	✓	ENHANCED	✓
PDF Underlay		NEW	✓
Autodesk® Revit® Building Model		NEW	✓
Copy Elements from DGN Underlay			NEW
QUANTITY TAKEOFF			
Quantity Takeoff Manager		NEW	✓
Pay Item Assignment to drawing objects		NEW	✓
Quantity Takeoff Reports		NEW	✓
Pay Item Assignment to Corridors and Pipe Networks		NEW	ENHANCED