

CaddPro  
EXPERIENCE TO  
HELP YOU GROW



PRODUCT DATA SHEET

# Engineering Productivity Pack

Ultimate productivity tools for MicroStation,  
OpenRoads, OpenRail and OpenBuildings

**Engineering Productivity Pack (EPP) is collection of +250 productivity tools for engineering design and documentation tasks.**

It includes functionality for placing batter ticks, chainages, kerb labels, kerb ramps, freeway entry ramp geometry, sight lines, and stormwater pits, adhering to DOT standards.

EPP streamlines infrastructure design and annotation. Built for designers by those who understand the demands of infrastructure projects, this suite transforms workflows by automating tedious and error-prone tasks.

Explore these tools and reclaim your time—say goodbye to repetition and hello to a smoother, more efficient design process.

## Features to Supercharge Your Civil Design Workflow

Hey civil designers, we get it—repetitive tasks can drain your day. That's why CaddPro's Engineering Productivity Pack, built on 40 years of Bentley expertise, delivers game-changing tools to streamline your work on MicroStation, OpenRoads, and more. Here's how each feature saves time, boosts accuracy, and makes your projects shine:



### Bridge Design Tools

Streamline bridge design with automated 3D barrier placement, T-beam geometry, and solids modeling. Save days on drafting, reduce errors, and deliver precise bridge designs faster, ensuring compliance and cutting rework.



### Cell Manipulation Tools

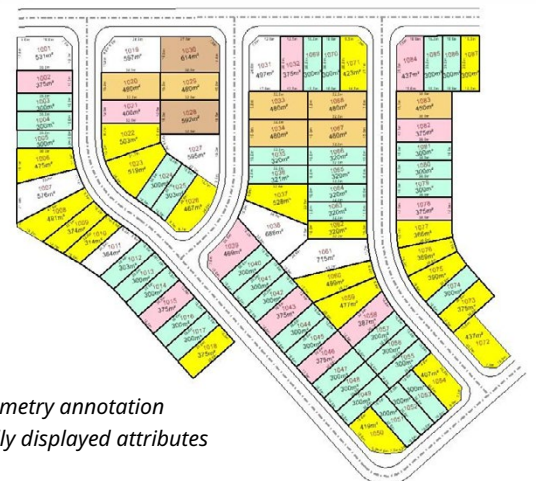
Align, resize, and rotate cells like North Arrows in 2D/3D with ease. Slash hours of manual adjustments, ensure consistent deliverables, and hit tight deadlines without the hassle. Civil Engineering Tools Automate batter ticks, chainages, and stormwater pit placement to DOT standards. Speed up project delivery, ensure compliance, and save days on repetitive drafting tasks.



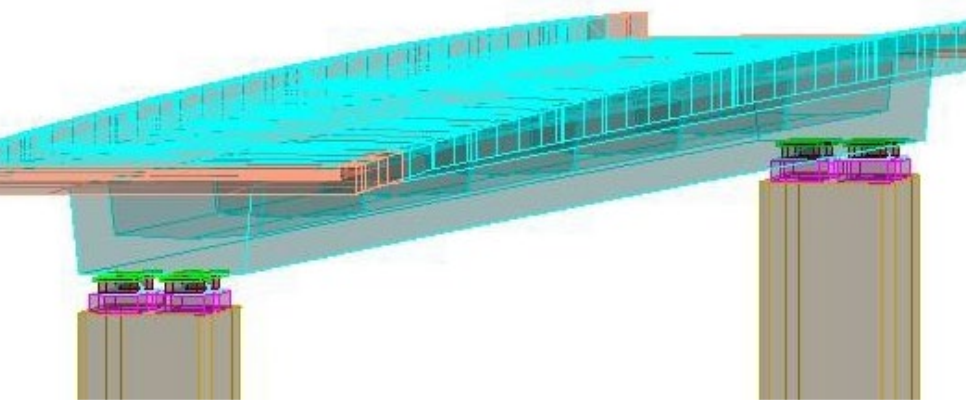
### Document and Title Block Management

Automate title block placement and multi-sheet creation. Save hours on drawing set updates, ensure consistent documentation, and breeze through audits with confidence.

Element and Attribute Management Simplify attribute changes and drape elements onto surfaces. Reduce errors, ensure design consistency, and focus on high-value tasks, not repetitive tweaks.



*EPP subdivision, parcels of land geometry annotation including analysis-based thematically displayed attributes*



EPP uniquely models the "hog" of bridge beams in 3D, delivering precision where standard CAD systems only handle straight beams

*"The Batter Tick tool alone justified our investment saving 8 hours on a 15 KM linear project"*

#### Excel Integration Tools

Seamlessly sync Excel data with designs for accurate tag placement. Eliminate manual data entry errors, streamline workflows, and save hours on data-driven tasks.

#### Geometry and Survey Tools

Automate arc reporting, cogo points, and slope annotations. Cut days of manual survey work, ensure reliable setouts, and meet project standards effortlessly.

#### Text and Annotation Tools

Align, format, and scale text automatically. Save hours on edits, ensure uniform annotations, and produce polished drawings faster to meet deadlines.

#### Drawing Production Utilities

Place revision clouds, markers, and leaders with ease. Reduce drafting errors, speed up output, and deliver high-quality drawings in record time.

#### Tag Management Tools

Automate tag assignment and extraction. Save time, boost data integrity, and streamline reporting for accurate, hassle-free project documentation.

#### Level Management Tools

Copy, rename, and toggle levels effortlessly. Speed up iterations, ensure consistent layer setups, and reduce errors for smoother project workflows.

#### Line and Linestring Utilities

Automate line placement and vertex queries. Save hours on geometry tasks, improve accuracy, and accelerate design workflows with precision.

#### Reference and Raster File Tools

Simplify file path changes and bulk attachments. Save time, reduce linking errors, and enhance collaboration for seamless project coordination.

#### Specialty Design Tools

Automate landscape, parcel, and tunnel designs. Save days on niche tasks, ensure compliance, and deliver high-quality infrastructure designs faster.

#### Rail and Public Transport Tools

Automate rail geometry and annotations to KiwiRail/PTV standards. Speed delivery, ensure compliance, and boost stakeholder satisfaction with error-free designs.

#### System and File Utilities

Streamline file navigation and coordinate setups. Cut setup time, reduce errors, and focus on design, not repetitive system configurations.

#### Item Management Tools

Automate element selection by item values. Save time, ensure accurate data handling, and streamline workflows for precise design outputs.

EPP technology delivers transformative business value by slashing hours from repetitive tasks, boosting design accuracy, and ensuring compliance with industry standards.

Accelerate project timelines, minimise errors, and enhance collaboration, freeing designers to focus on high-value work.

With streamlined data integration and consistent documentation, EPP drives efficiency, reduces rework, and improves stakeholder satisfaction, ultimately elevating project delivery and quality.

