Roadway & Highway Sign Design
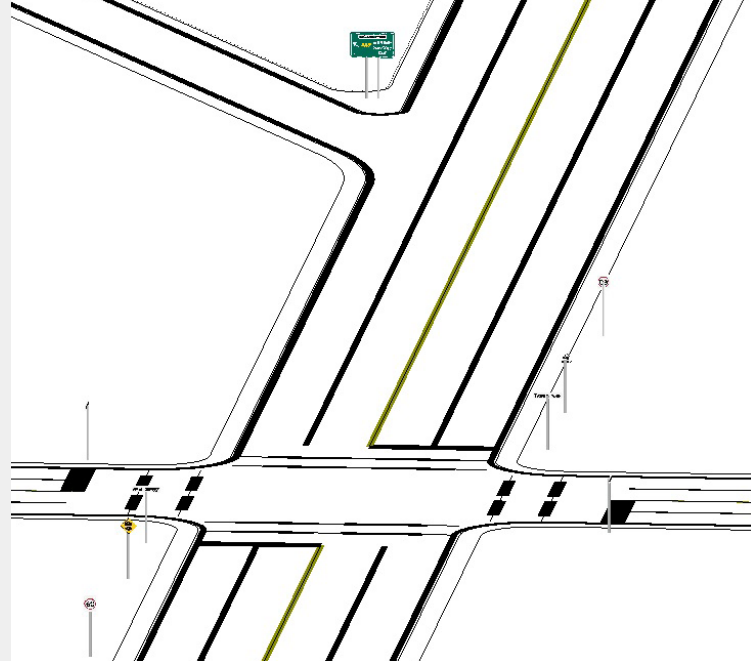
Efficiently plan & design safe roads

TRANSOFT SOLUTIONS

GUIDESIGN

Safety, Compliance and Efficiency

From sign projects for city streets and local government roads to carriageway allocation and restriping for state-controlled highways, the GuideSIGN® family of products empowers road designers and engineers to accurately plan and design traffic signage and pavement markings that promote safer environments for all road users, including vulnerable users like pedestrians and cyclists.

With this comprehensive tool you'll achieve consistent results each time with significant time savings, all while ensuring compliance with national and regional standards and guidelines.

Design signs

Sign creation made easy with built-in rules to design panels in accordance with standards like shields, arrows, text and symbols, with flexibility to create custom content. Design signs for a range of needs, including local streets, highways, roundabouts, bicycle lanes, and electric vehicle (EV) infrastructure such as EV only parking spaces.

Ensure design compliance from the start

Completely updated to the latest requirements for Australia (AS 1744-2018), the US (MUTCD 2023), and Canada (TAC-ATC 2021).

Visualize the impact in 3D

Bring your design one step further to completion – display your signs and pavement markings in 3D to get a better understanding and a realistic view of the impact on your road and intersection environment.

Boost productivity

Configure sign assemblies from standard or custom sign faces, assign assembly properties. Then place them in a roadway corridor drawing, maintaining pre-set distances and offsets. Custom content can be easily drafted and added to the program, saving you time from having to create your own content.

Place signage and pavement markings

Use signs created from GuideSIGN or from our extensive library, now featuring a growing range of EV signage and other additions. Clearly plot, position and visualise your sign plan in 2D or 3D. Create sign groupings, mount signage on a variety of structures, and use the smart placement to automate the process.

Finish off the project with the Annotations Sets to create labels on the sign facing.

Draw a full range of pavement marking objects from rules and manuals, including markings for bicycles to make roads safer for all vulnerable users - for rural and urban areas, easily adjust and match your road geometry. Items such as dotted lines to crosswalks can be created quickly and can be easily edited by adjusting grip points and changing values to meet any geometry.

Reporting is a breeze

To finish off your design, you can create comprehensive reports outlining all the signage details including schedules or facilitate database schema suitable for importing directly into existing asset management software.

The pavement marking tool automatically calculates and tabulates the quantities of each type of marking on a drawing and even provides an estimate cost, saving you hours over manual calculation methods.

Use all three modules for a complete traffic control solution that enhances your workflow and maximizes productivity. Whether you need a standalone tool or the full package, each module is purpose-built to meet your project's specific requirements. And when combined in GuideSIGN Plus, you gain the complete power of GuideSIGN and GuideSIGN SIGMA, delivering efficiency, consistency, and accuracy for all your roadway and highway design and planning needs.

Choose from 3 Modules

GUIDESIGN

Sign Design

The best of GuideSIGN & SIGMA combined into one. The traffic control planning solution for sign design, traffic sign and pavement marking planning. Ensuring safety, efficiency, and accuracy for your road and highway designs.
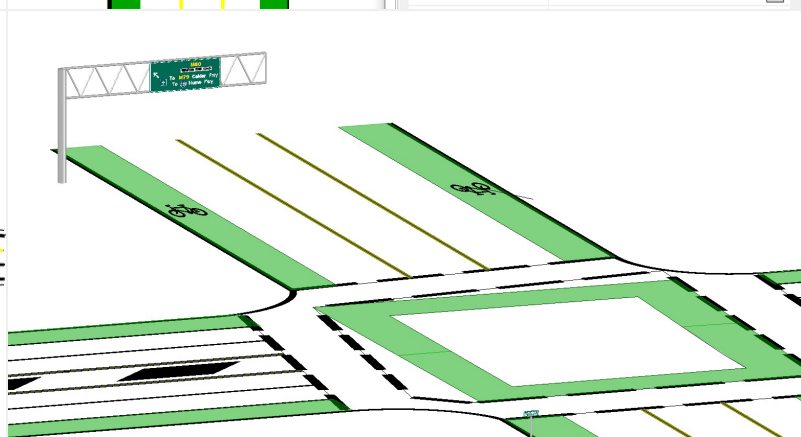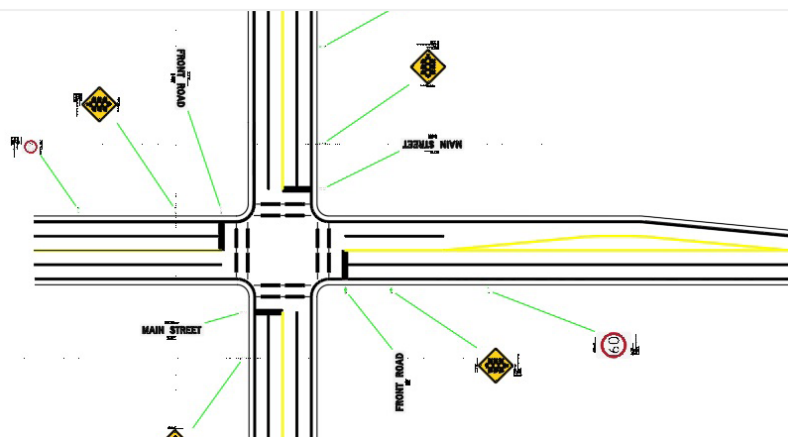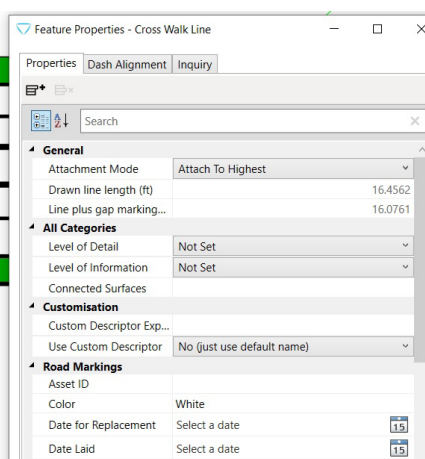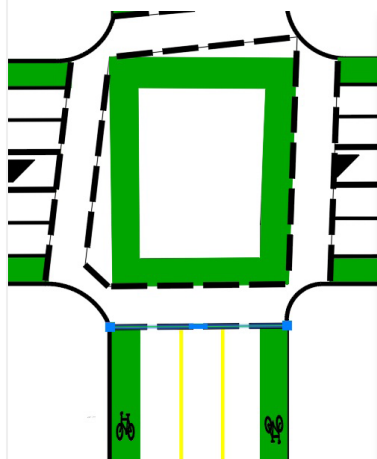
GUIDESIGN SIGMA

Sign Planning & Pavement Marking

Without the need to create any sign from scratch, plan the signage along highways and roadways by choosing from a comprehensive library of standard signs from AS, NZTA and other standards. Lay out your pavement marking without the hassle of tediously drafting each marking separately and performing a quantity take-off.

GUIDESIGN PLUS

Sign Design, Sign Planning & Pavement Marking

Create custom guide, warning or regulatory signs with preset standards and templates. Easily modify the panel, font, symbols, border radius, thickness and more to suit your project requirements.

Platform & System Requirements

CAD Platform Compatibility
(64 bit, except Bentley V8i series):

This software is compatible with major CAD platforms, including Autodesk® AutoCAD®, Autodesk® Civil 3D®, Bentley® MicroStation®, Bentley® OpenRoads Designer, Bricsys® BricsCAD® and more.

For details on platform and system requirements, including the list of all supported versions, please visit the product compatibility section using the QR code below.