

# NEXUS

INTERSECTIONS

**How do you  
save 65% in  
Design Costs?**

**This is How.  
Introducing NEXUS  
Intersection Design—  
Intuitive.  
Interactive.  
Intelligent.**

NEXUS, is likely the most powerful and innovative CAD-based intersection design software on the market. The software, with its patent pending features, can generate intersection layouts, including intersections on curves in a matter of a few minutes!

Because each design component is interdependent, NEXUS allows you to evaluate and monitor the performance of the entire design as changes are made. This efficient tool alone will dramatically speed up the process of developing the geometry and surface drainage for your intersection layout.

Visit [www.designintersections.com](http://www.designintersections.com) for more details and to sign up for an exclusive webcast.

## 6 Powerful Reasons Why NEXUS is the Future of Intersection Design

### Generate Intersection Layouts Instantly

Automate the layout of an entire intersection, including intersections on curves, using HCS+ or user inputted capacity data, predefined leg, or intersection templates including channelization and curb return as per design standards.

### Intersection Geometry and Design Vehicle Checks

Intelligent object links to design standards and/or integrated AutoTURN generated swept paths means intersection geometry, including median and island nosings, tapers, curb returns, right turn slip lanes and much more, can easily and quickly be generated.

### Powerful and Dynamic Editing Capability

Edit virtually every element of an intersection quickly and easily to refine your design. Dynamic editing is available for lane configurations, auxiliary lanes, median and corner islands, bike lanes, crosswalks.

### Advanced Safety Functions

Actively evaluate safety components of an intersection such as vehicle turning movements, opposing left turn conflicts, sight line analysis including a unique left turn sight distance check, and conflict point analysis.

### Unique Grading Function

Quickly develop intersection road surface grading and view the drainage patterns in 3D. Work with easy to use, yet powerful dynamic editing tools to refine cross slopes and curb profiles.

### In-Built Design Check and Feedback

As an intersection design is developed and updated dynamically, key design conditions are checked simultaneously ( e.g. minimum areas for islands, required sight distances, maximum and minimum slopes for grading).