

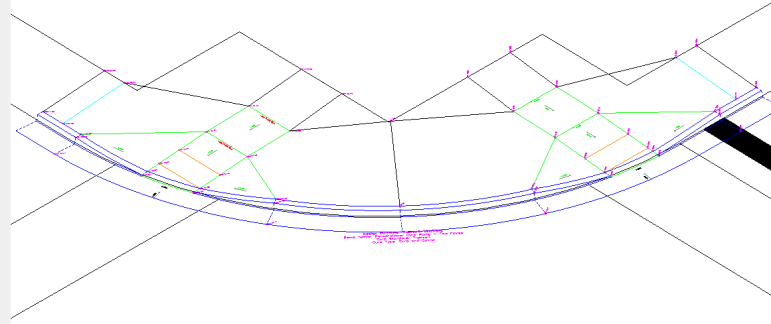


# Curb Ramp Compliance in Minutes

3D design and retrofit software

## 3D Design and Retrofit Curb Ramp Within Design Parameters

Designing curb ramps presents a unique challenge, as each project site requires compliant slopes and grades while adhering to the site constraints. With countless curb ramps needing to be retrofitted in sidewalks across North America, this overwhelming task demands significant time and resources to ensure pedestrian infrastructure is modernized to be accessible.



### Ensure design compliance from the start

AQCESSRAMP™ revolutionizes the way curb ramps are designed by minimizing iteration cycles in the design process. Simply select your design guidelines and ramp design from our built-in templates and make any necessary adjustments with the convenience of instant notifications and compliance checks.

Curb ramps are generated using default values and design conditions based on up-to-date design standards from policymakers from all 50 US states, the FHWA, the Americans with Disabilities Act Accessibility Guidelines (ADAAG), and the Public Right-of-Way Accessibility Guidelines (PROWAG) 2023.



### Save time with dynamic editing and automated calculations

Streamline your design with compliance dynamic feedback. Geometry parameters are all interconnected; thus, modifications to any aspect or component of the ramp trigger automatic calculation updates, which are instantly reflected in the design. During the editing process, the drag-and-drop grip points provide flexibility for quick, on-the-fly edits, while the precision inputs ensure the accuracy you need.

The different grip points allow you to adjust the length of your ramp, landing length, and curb ramp angle. You can also move the entire ramp along the sidewalk to find the most suitable location.



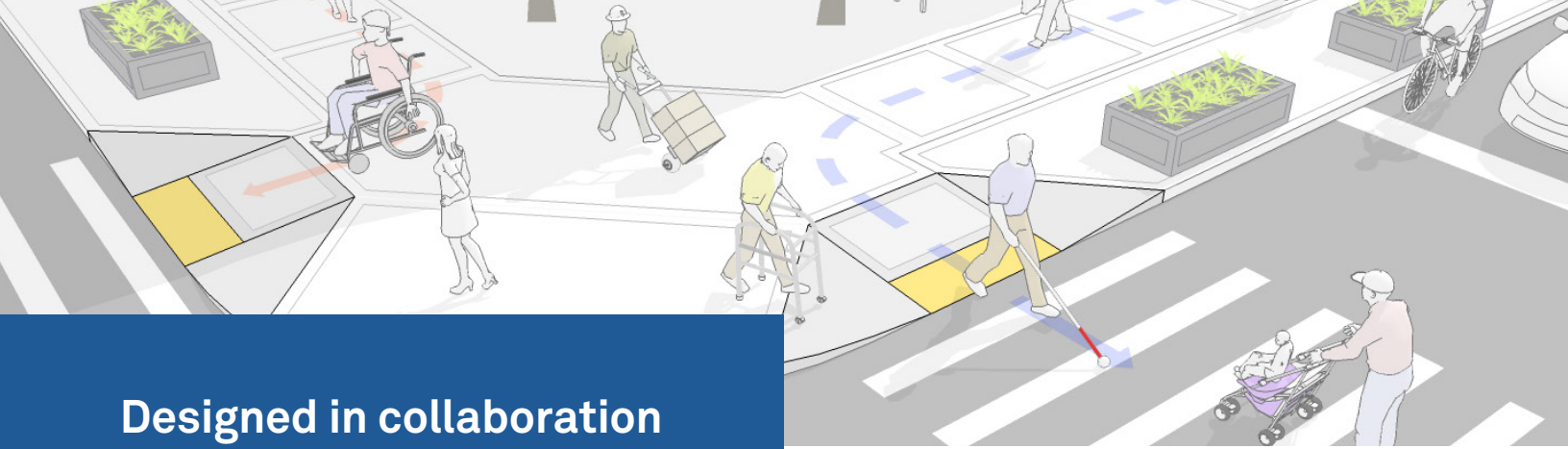
### Optimize your design with superior control and flexibility

Enhance your design process with superior control and flexibility, allowing you to create optimal solutions tailored to your project's specific needs. Enjoy the flexibility of turning components on or off according to your needs. Whether you are working with single continuous geometry or multiple geometry elements, you can quickly generate curb ramps by selecting the pieces of consecutive geometry you need. With additional options when selecting geometry, and the ability to edit various elevation points, you can adapt the design to existing site conditions with ease. Effortlessly adjust the gutter counter slope between ramp sides, customize retaining wall height, and fine-tune vertical offsets to generate the curb ramp precisely as you envision. Adjust the gutter counter slope between ramp sides, customize retaining wall height, and fine-tune elevations to generate the curb ramp precisely as you envision.



### Instant compliance notifications

With dynamic editing features and immediate feedback on ramp slopes, cross-slopes and elevations, engineers can produce optimal curb ramp designs efficiently. Instant notifications inform you whether you're adhering to your chosen design guidelines or if the ramp deviates from the standard. Live feedback is provided when any calculated values fall outside the specified range.



For illustration purposes only

## Designed in collaboration with Cities and State DOTs



### Building your 3D model has never been easier

AQCESSRAMP generates curb ramps based on 3D reference geometry, complex chains, civil geometry, feature lines, alignments, and corridors. Nevertheless, you can also manually define the vertical profile if elevations are known, when selecting 2D reference geometry to generate the curb ramp, without using advanced 3D CAD tools. With just a few clicks you can recreate existing site conditions, create a 3D digital terrain model of the curb ramp, and easily integrate the 3D curb ramp model with your existing surfaces.



### Reporting is a breeze

Generate a geometric summary, point coordinates with elevations, or station offset reports effortlessly with the reporting tool. With a simple click of a button, you can insert the report directly into the drawing, or save it as a .csv file viewable in any text editor.

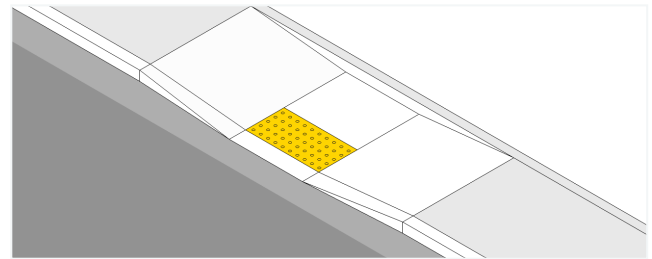
The following report types can be generated:

**Geometric Summary Table:** Outputs a table of the selected curb ramp's slopes, cross-slopes, and component dimensions.

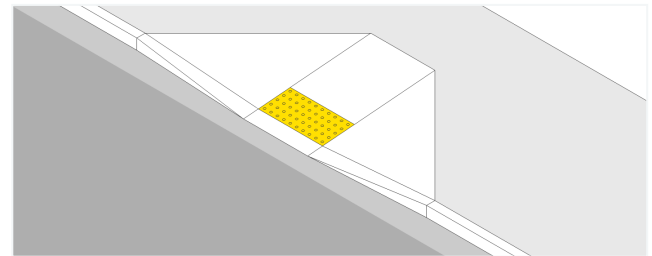
**Point Coordinates Table:** Outputs a table of the selected curb ramp's points and their x, y coordinates and optionally, their elevations.

**Station Offsets Table:** Outputs a table of the selected curb ramp's points and their distances from the first station of a chosen alignment.

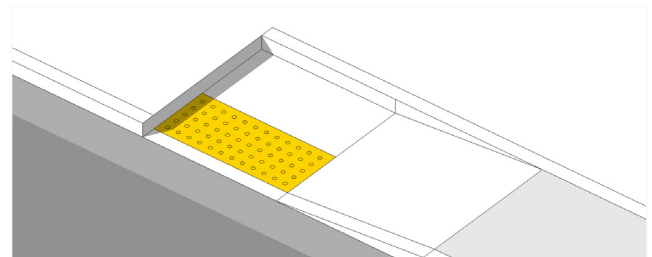
### Parallel Ramp



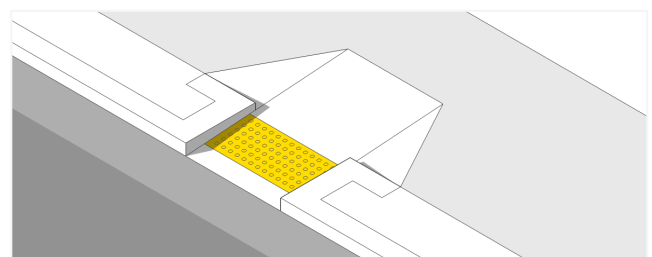
### Perpendicular Ramp



### Single Slide Parallel Ramp



### Perpendicular Ramp with Plant Area

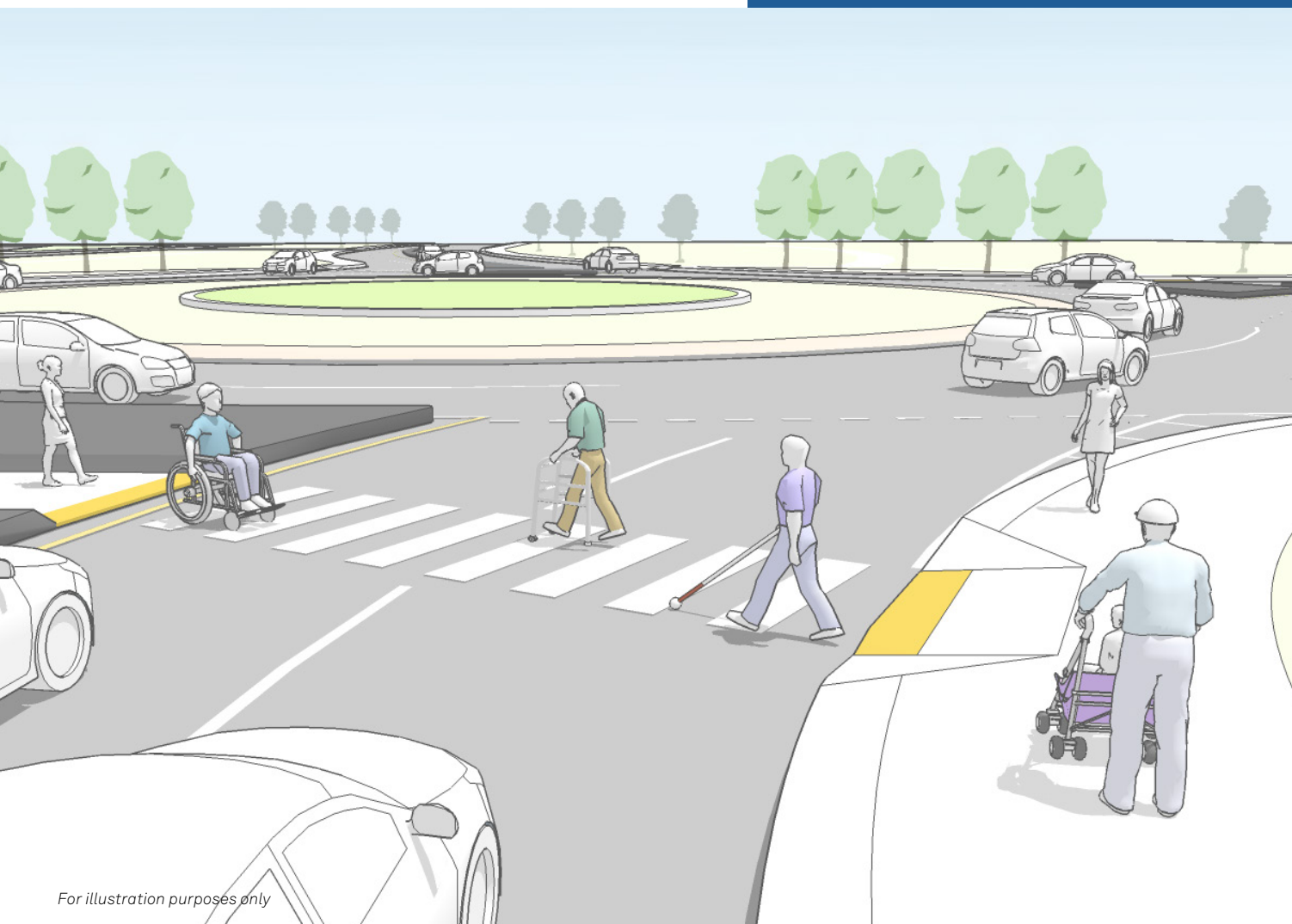


# Platform & System Requirements

CAD Platform Compatibility  
(64-bit):

This software is compatible with the latest versions of major CAD platforms, including Autodesk® AutoCAD®, Autodesk® Civil 3D®, Bentley® MicroStation® and Bentley® OpenRoads Designer (except Bentley V8i series).

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



*For illustration purposes only*



**Phone (US & Canada)**  
1.888.244.8387

**Email**  
sales@transoftsolutions.com

**Web**  
www.transoftsolutions.com

Scan the code  
to learn more

