# Curb Ramp Compliance in Minutes

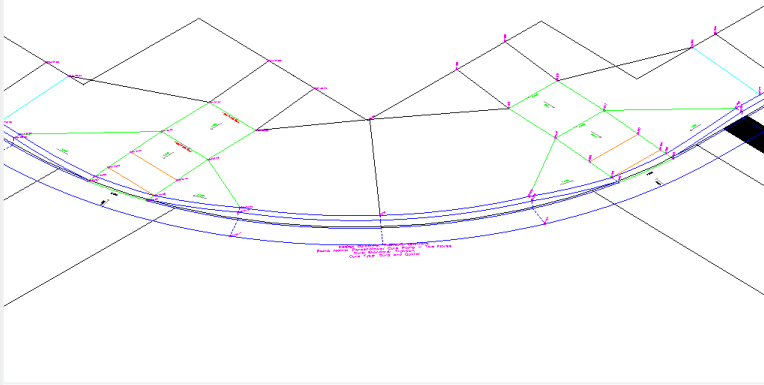
3D design and retrofit software

TRANSOFT SOLUTIONS

AQCESSRAMP

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

The challenge with curb ramp design is that each project site needs to be developed with the best possible design considering the surface, slope and physical constraints. With so many sidewalk curb ramps to be designed and retrofitted across North America, it could take infinite time and resources to ensure pedestrian infrastructures are up-to-date and guideline-compliant.



### 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 the templates provided, and enjoy the convenience of instant notifications and checks.

Generate curb ramp geometrics by applying standards from policy makers, default values and design conditions to selected drawing elements. Design guidelines from all 50 states plus FHWA, ADAAG and PROWAG, in addition to Standard curbs and gutters from 50 State Departments of Transportation.

### Save time with dynamic editing and automated calculations

Streamline your design with dynamic feedback, making each design iteration nearly effortless. With geometry parameters all linked, any modification to the design will receive automatic calculation updates and reflect onto the design instantly. During the editing process, the drag and drop grip points give you the flexibility to make quick edits on the fly while the precision inputs deliver the accuracy you need.

The different grip points let you adjust the length of your ramp, landing length and curb ramp angle. Or just move the entire ramp along the sidewalk to find the most suitable location.

### Instant conformity notifications

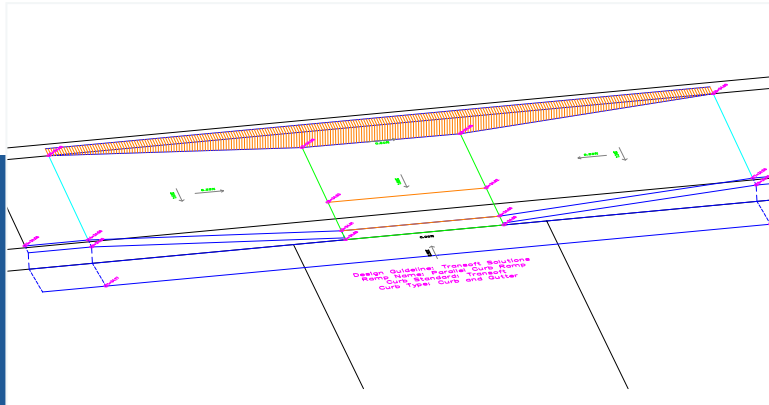
With dynamic editing features and immediate feedback on ramp slopes, cross-slopes and elevations, engineers can produce optimal curb ramp designs efficiently.

Instant notifications advise if you're staying within your chosen design guidelines, or if there are any potential design errors and inconsistencies. Live feedback is provided when any of the calculated values are outside of the specified range.

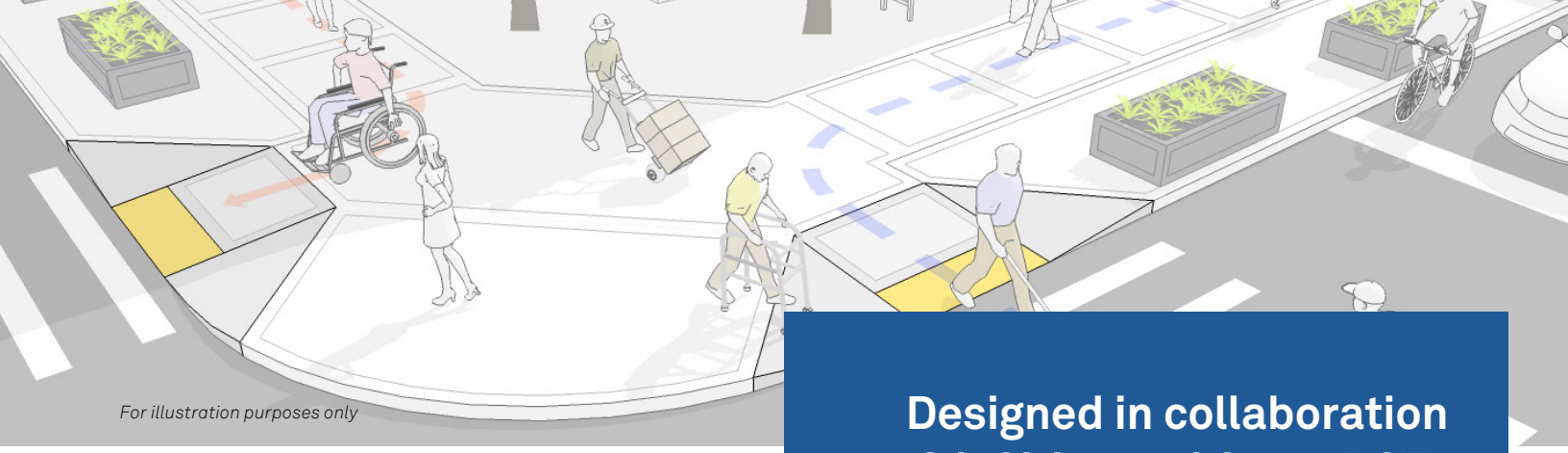
### Building your 3D model has never been easier

AQCESSRAMP generates the 3D model of the curb ramp with just a few clicks.

Easily transition your 2D ramp into a 3D model without the need of a CAD expert, by simply joining your proposed curb ramp with your existing surfaces. Furthermore, you can generate 3D models for the proposed designs by integrating the available vertical information.



## Immediate feedback notifications to keep within design parameters



*For illustration purposes only*

# Designed in collaboration with Cities and State DOTs

## Reporting is a breeze

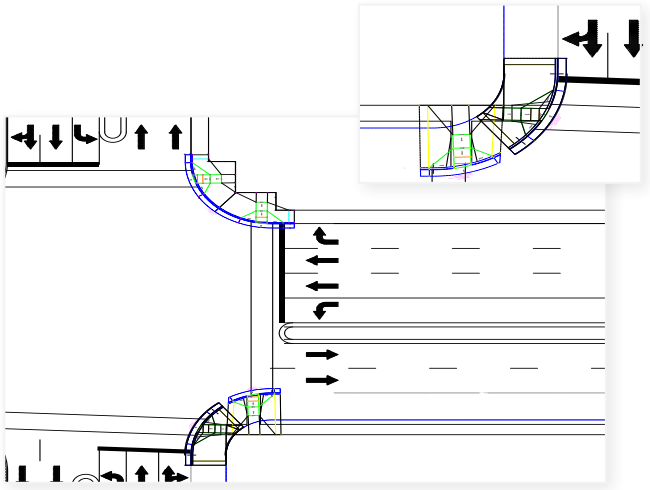
Geometrical summary, point coordinates with elevations, or station offset reports can be generated with the reporting tool. By simply clicking a button, the report can be inserted directly into the drawing, or it can be saved as a .csv file which can be viewed in any text editor.

The following report types can be generated:

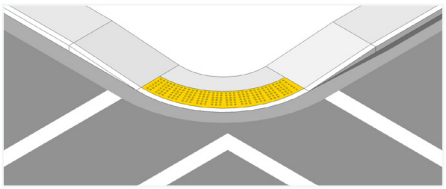
**Geometric Summary Table**: Outputs a table of the selected curb ramp's slopes, cross-slopes, and component dimensions.

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

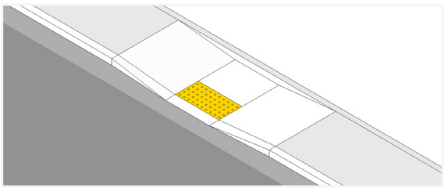
**Station Offsets Table**: Outputs a table of the selected curb ramp's points and their distances from the first station of a picked alignment.



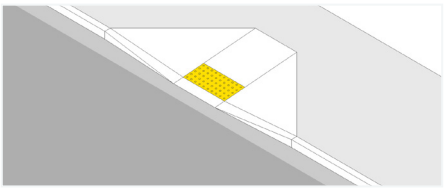
### Blended Transition Ramp



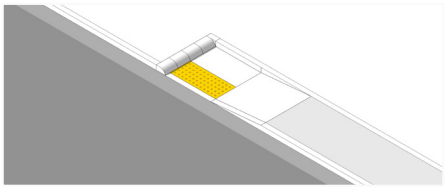
### Parallel Ramp



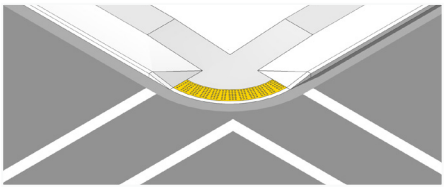
### Perpendicular Ramp



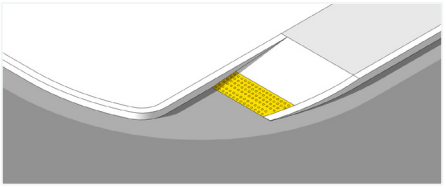
### Single Slide Parallel Ramp



### Fan Transition Ramp



### Directional Ramp



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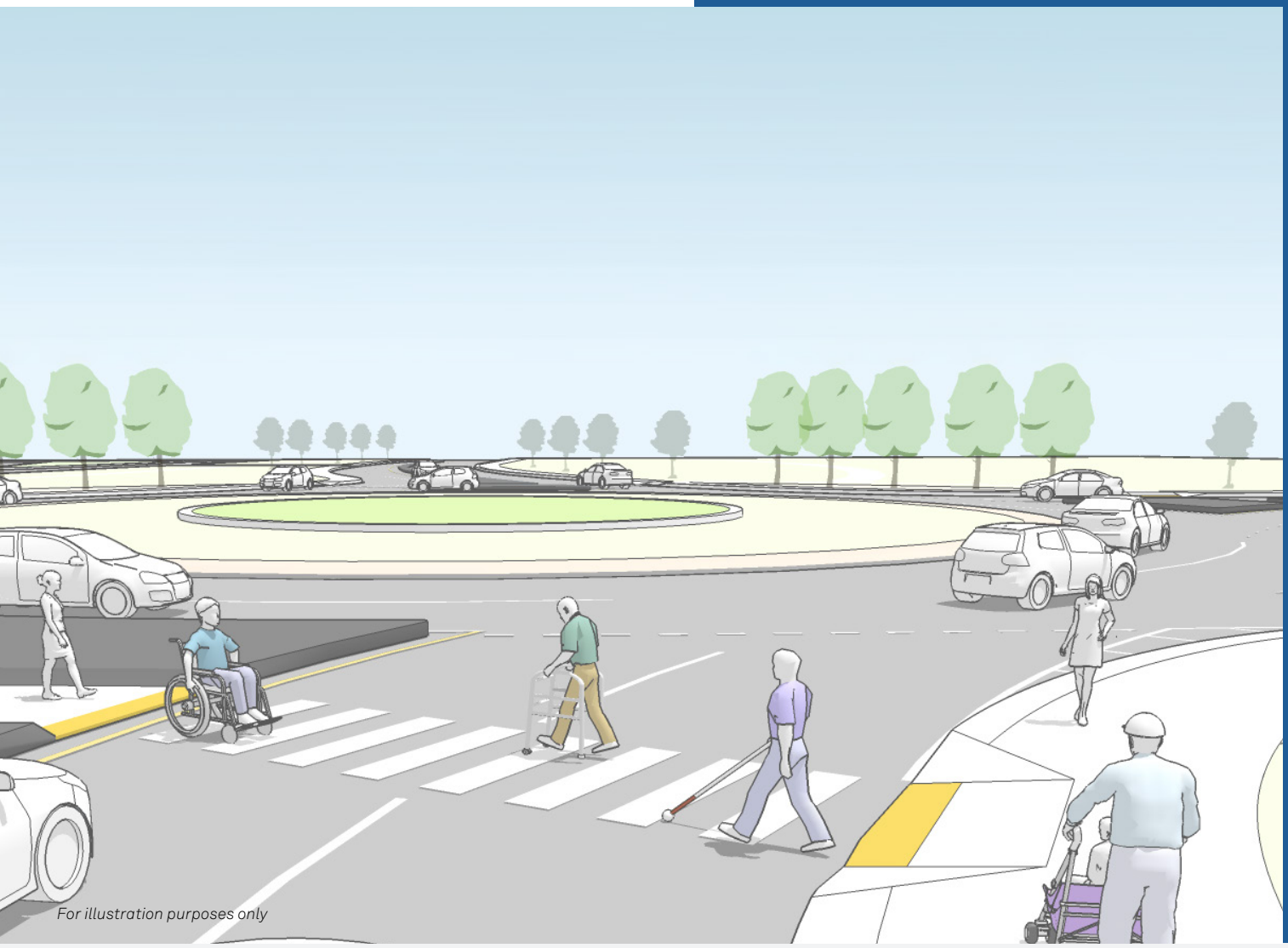
# Platform & System Requirements

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® and Bentley® OpenRoads Designer.

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.



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