

Active Transportation & Pedestrian Safety

Local Public Works Departments play a distinct and important role in local communities. Citizens rely upon these organizations to ensure a safe and equitable environment for the entire community. By providing detailed attribution for both assets and roadway characteristics, Cyclomedia provides the comprehensive inventory data necessary to meet today's growing road safety challenges. Cyclomedia's Active Transportation provides a comprehensive solution that includes geolocations for five of the most in-demand assets supporting many local programs including:

- Transportation Safety Plan
- Congestion Mitigation Plan
- Complete Street Policy
- Smart Growth Plan
- Transit Development Plan

Objects and Attributes

The Active Transportation Solution consists of four unique data sets that also include the location data (x, y, z) of these assets along your roadways. The following features are included in the Active Transportation Solution:

Curb Ramps—As one of our most detailed data sets, 29 individual attributes are included in our standard offering. Includes cross, running and flare slopes, turning space measurements, width and length measurements, and type and location information.



Pedestrian Signals—Cyclomedia delivers a robust dataset of pedestrian signals along your road networks, which improves your ability to plan maintenance and replacement activities and assess areas where such safety assets would be beneficial.



Push Buttons—The ability to visualize details of all your pushbutton locations and where there may be a need for installing this type of safety measure is integral to safety infrastructure management and maintenance initiatives—including zero road fatalities and safe streets policies.



Crosswalks—It is important to have an overall view of crosswalk locations in context with your signal and push button assets. This product allows you to virtually assess your pedestrian intersection safety assets at a network wide level, quickly identifying areas of concern where safety controls should be implemented.

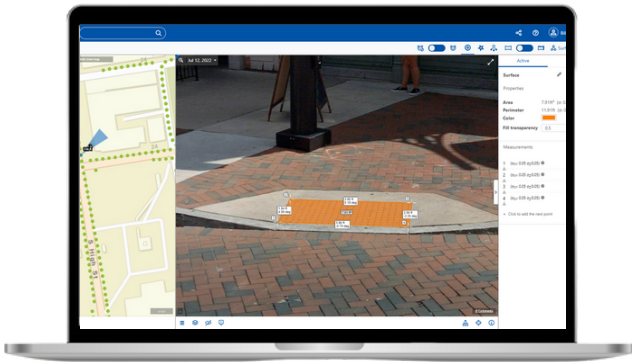


Active Transportation & Pedestrian Safety

Cyclomedia for you

A prerequisite for the modern Public Works mission—to maintain their community's infrastructure and provide high value services—is to have easy access to comprehensive, accurate and precise information. Cyclomedia provides detailed insights about the position and condition of assets, potential hazards, and impacts of environmental changes.

In an era where local agencies are challenged to do more with less—fewer resources, shrinking budgets—Cyclomedia can confidently offer you modern solutions to solve your 21st century challenges through the combined power of 360° street-level imagery, state-of-the-art LiDAR collection, and AI and machine learning.



Cyclomedia's interactive Street Smart user platform.

Key Features

- 4 ROW Features
- Primarily Automated Detection
- + or – 4" positional accuracy
- 95% completeness
- Downloadable LiDAR point cloud
- Integration made easy with uniform file formats
- Hyperlink for each asset for viewing in Street Smart

Point Features

- Pedestrian signals
- Push buttons
- Crosswalks
- Curb ramps

Delivery Methods

- The record contains 3D point objects in the corresponding coordinate system.
- The record is available in relevant file formats:
 - ESRI Geo Database–Standard
 - ESRI Shapefile

Algorithms, Completeness and Accuracy

Cyclomedia delivers best-in-class ground truth. By leveraging our proprietary extraction algorithms with the LiDAR based street-level imagery collected, we can confidently guarantee positional accuracy of ± 4 inches and detection of at least 95% of all the visible specified objects within 82 feet of the GeoCyclorama images.

"We are very excited to partner with Cyclomedia on this street-level asset capture project. By utilizing Cyclomedia's best in class 100-megapixel cameras and state of the art LiDAR technology, the city will be able to create more accurate inventories of our street-level assets. The more accurate our inventories are, the better we can make data-driven decisions to better serve our community."

- Brendan Brooks
City of Elgin ITS Network/GIS Manager