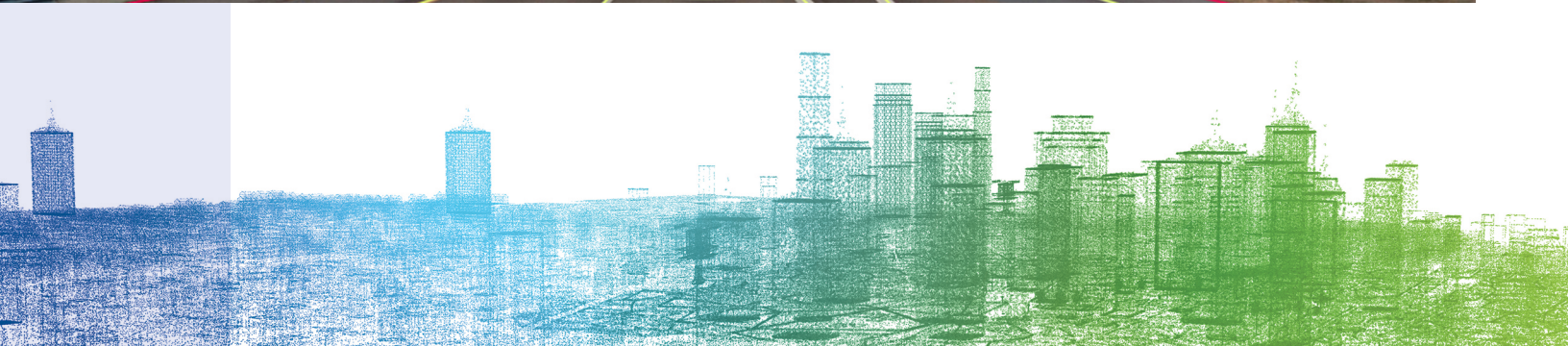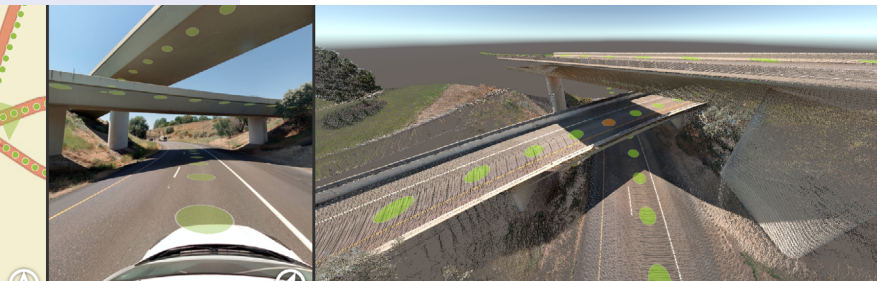# Solutions for Modernizing Highway Safety Assets

Visualize a Better World

With Cyclomedia's superior 3D imagery and highly efficient asset extraction processes, you obtain vital highway safety data and can report back to FHWA quickly and confidently.

While agencies across the country rely on our data for comprehensive safety planning and MIRE inventory, you can also use our roadway imagery, data extraction services, and software tools throughout your organization.
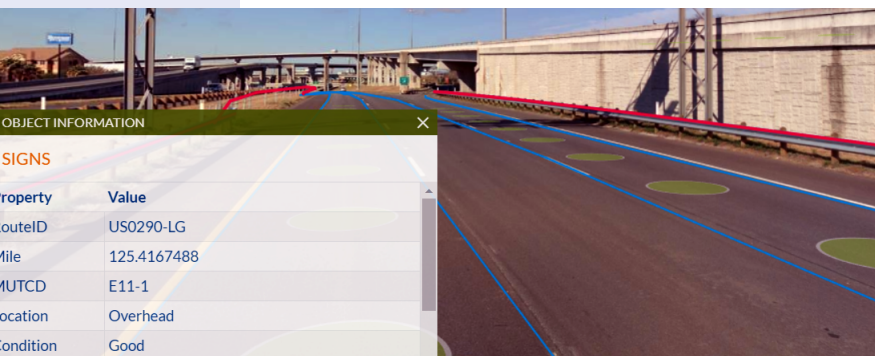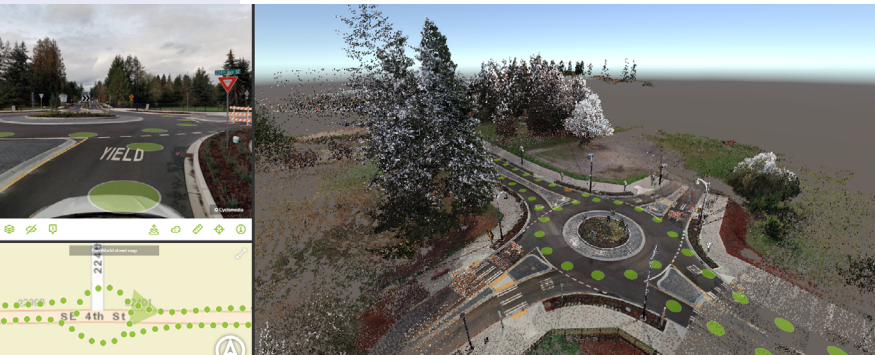
Whether you're creating a Strategic Highway Safety Plan (SHSP) or supporting FHWA initiatives such as the Highway Safety Improvement Program (HSIP), having a complete inventory of countermeasures and roadway characteristics will empower you in concrete, data-driven decision making. We can extract not only physical roadway assets, but also public safety areas just off the roadway, such as pedestrian and bicycle facilities. Along with providing this inventory, our highly precise imagery and accompanying tools further help safety staff gather ad-hoc measurements such as curb height, clear zone, cross slope, and superelevation. These measurements can be done quickly within the safety of the office without the need for time consuming and potentially dangerous field visits.

Relevant Solutions to Address Real Challenges

In states across the country, Cyclomedia is helping transportation agencies make impactful change to the physical world though valuable insights derived from real-world data.

OBJECT INFORMATION	✕
SIGNS	

Property	Value
RouteID	US0290-LG
Mile	125.4167488
MUTCD	E11-1
Location	Overhead
Condition	Good

Learn more at cyclomedia.com

Visualize a **better** world

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Key Features

- High resolution (100MP) imagery with a full 360° by 180° field of view
- Distortion-free, georeferenced imagery – each image pixel contains an X, Y, and Z coordinates
- Average measurement accuracy of +/- 2cm
- Integrated Mobile LiDAR
  - Simultaneous collection creates a 3D model of the road network
  - LiDAR point cloud used for extraction of asset data
- Cloud hosting of LiDAR and imagery at no additional charge
- Automated Asset Data Extraction
  - Iterative delivery methodology gets data to you quickly
- Street Smart™ Web Viewer
  - Displays GeoCylorama imagery along with LRS route and mile measure
  - Provides measuring tools to measure directly from imagery
  - Allows for easy LiDAR point cloud viewing and downloading
- Esri GIS integrations, along with AutoCAD and MicroStation plug-ins

Key Benefits

- Efficient assessment and analysis of the area of interest without leaving the office
- Enhanced staff safety––eliminates field visits
- Gives users a complete 360˚ view of the field of play
- Shows how objects/assets geographically relate to one another
- Offers actionable intelligence through in sightful analytics extracted from the 3D LiDAR