



Traffic Control Device Asset Inventory and Extraction; San Bernardino, California

San Bernardino is geographically the largest county in the contiguous US. They contracted with Cyclomedia in 2020 to capture 2,500 miles of street-level imagery, LiDAR, and asset data across the Country. The County also required a full asset inventory and attribution, for which Cyclomedia extracted 20 assets—including all Traffic Control Devices—with detailed attribution. All 198,484 asset features and associated imagery were extracted, configured and delivered for implementation in Cartegraph OMS.

San Bernardino uses Cyclomedia's imagery and data across multiple departments, and primarily in the Department of Public Works to support their strategic plan of aligning departments with Best Practices for Public Works agencies, including Asset Management, Work Management, Transportation Planning, Compliance, Cost Management, and Safety Analysis. The data is made available in shared systems (such as GIS and Operations/Asset Management platforms) that focus on department functions with centralized, location-based data to support planned work, responsive activities, preventative maintenance, and capital improvement plans.

Key Features

- Mobile LiDAR & 360° Roadway Imagery
- Delivery of 198,484 GIS asset features
- 20 Unique Asset Types
- Cloud hosting
- Interactive visualization of all assets
- GIS & Cartegraph integration

"As the largest County in the contiguous United States, it has been challenging for us to adequately and equitably service all areas within our geographic footprint... Cyclomedia over-delivered on our expectations as we can now view and manage a complete inventory of all of our Transportation assets to make confident, data-driven infrastructure investments that align strategic planning and best practices across the Public Works enterprise."

- Jeremy Johnson; Engineering Manager, Traffic Division
San Bernardino County Department of Public Works

Implementation of the project advances the County from paper-based processes to technology-driven operations capable of operating anywhere with connectivity, and with greater visibility and responsiveness to the public.