



3D RouteView

Precision LiDAR Mapping for Staking and Network Design



UNMATCHED ACCURACY

- Eliminate Guesswork - Precise asset location data collection (accurate to 3cm)
- Consistent Data - Standardized mapping across all teams

SIGNIFICANT TIME SAVINGS

- Cut Field Work by 90% - Data collected at 50mph - saves weeks of in-field work
- Collect once, save forever - No repeat site visits for missed measurements
- Streamlined Permitting - High-Quality GIS data expedites permitting process

MAXIMUM FLEXIBILITY

- Work Anytime Anywhere - Teams handle projects on their schedule, in the office
- Future-Proof Your Network - Use data for expansions, repairs, or resale

Contact Us To Get Started

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CNS
Cooperative Network Services



Your world is 3D, Your maps should be too

Measure Everything with Unmatched Accuracy

3D RouteView uses LiDAR to capture millions of precise data points every minute, creating a high-resolution "point cloud." Each point is geotagged with latitude, longitude, and elevation—accurate to about 3 cm.

This data enables precise distance measurements between any two points and even distinguishes surface materials like steel, concrete, or vegetation.

Leverage 3D RouteView to assess potential new routes or analyze existing networks—whether your own, or a competitor's—for smarter, data-driven decisions.



Complete Project Staking in Half of the Time

With AI and advanced desktop software, staking is faster and more precise. Instead of spending weeks in the field, LiDAR collects data at 50 mph, with the rest of the process handled digitally.

High-resolution 360° imagery lets designers virtually explore the environment, just as if they were on-site.

LiDAR data and imagery can be used by various ISP departments and contractors.



Be Ready for the Future

Comprehensive LiDAR datasets can be reused for future projects, reducing time and costs. Collect once, then leverage the data for multiple needs—year after year.

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