MANDLI
COMMUNICATIONS

HIGH SPEED MOBILE LIDAR

▶ Vehicle Outfitted with LiDAR

UP TO **64** LASERS

1.4 MILLION POINTS PER SECOND

360° ROTATION

**40°** FIELD OF VIEW (+10° TO -30°)

5.9" HIGH BY **3.5"** WIDE

+/- 2 CM TYPICAL ACCURACY

5 CM TO **100 M** RANGE

MEASUREMENT AND **INTENSITY**

mandli.com

› Overview

Mandli's LiDAR system collects up to 1.4 million points of data per second to create a three-dimensional model of the environment. This model can be used to inventory and measure a variety of roadway assets, including signs, pavement surface areas, bridge clearances, guardrails, and more. Mandli has used this technology has been used to collect over 100,000 miles of data on U.S. roadways for State DOT projects.

› Technology

› Each point has its own unique XYZ coordinates, allowing for measurement and grouping applications

› Points can be grouped into polygons to measure areas such as pavement surface

› Measurements can be done for an entire roadway network in a single pass of the collection vehicle

› Data can be used for a wide variety of highway, rail, and utility applications
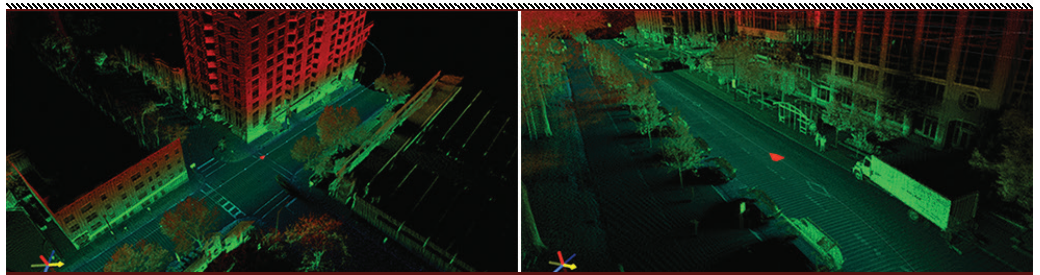
› Deliverables

⚙ Integration with Mandli's Workstation Software

⚙ Fully Interactive 360º Point Cloud

⚙ Georeferenced Images, GPS, and Point Cloud Data

⚙ Compatibility with Existing Databases

⚙ Precise Measurements of Asset Attributes