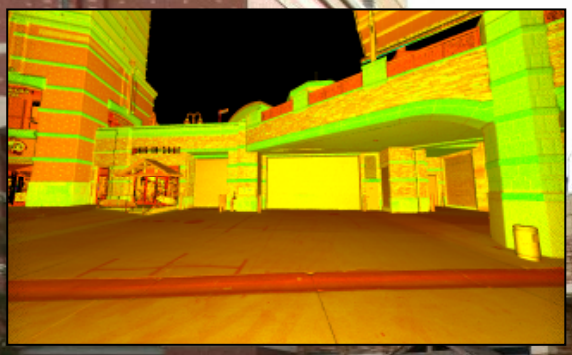
McNEIL ENGINEERING™

Laser Scanning & Survey Project

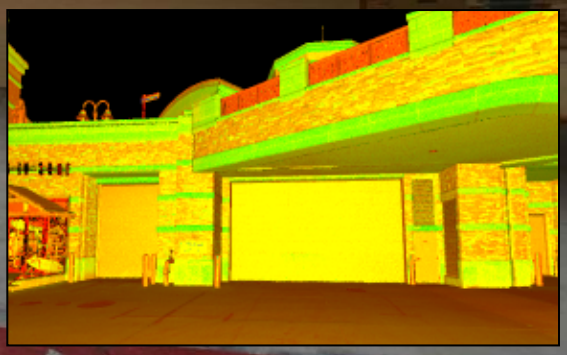


LASER SCANNING TECHNOLOGY VS. TRADITIONAL SURVEY METHODS

WHERE'S THE TRUE VALUE?

LASER SCANNING APPLICATIONS:

Roads and highways • Airport runways and facilities • As-Built surveys of buildings and facilities • Asset management • Conceptual design • Historical archiving of buildings and cultural sites • Mechanical facilities (refineries, water treatment plants and associated piping) • Power Transmission corridors and facilities • Waterways and shorelines • Forensics • Topographic & ALTA/NSPS Land Title Surveys



HOW DOES LASER SCANNING TECHNOLOGY INCREASE THE VALUE OVER TRADITIONAL SURVEY METHODS?

Detail/Accuracy of data:

- The accuracy is within 1/8th of an inch tolerance. By the very nature of collecting millions of x,y,z data points from various setups, the accuracy of the survey is continually being verified.

Cost/Value:

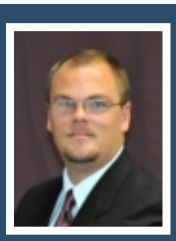
- With laser scanning technology, millions of data points are collected rather than only the limited number of points collected using traditional methods in less time for less money.
- The need to return to the site to collect measurements that were missed the first, second or third time is eliminated.
- The collection of data using Laser scanning can be completed with a one man crew vs. a 2 man crew for traditional methods.

Time:

- Laser scanning captures 50,000 to over one million data points per second, with a range of 900 feet.
- Time savings in field work average 80% using scanning as opposed to traditional methods.
- Less time spent acquiring data, translates to more acquired data in less time.

Safety:

- Laser scanning technology provides a safer working environment for the survey crew, giving them the ability to capture survey information from a distance, which would not be obtainable using traditional survey methods.



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