

7.3.3

Use of 3D visualization for Asset Extraction on the San Diego MTS Rail

Presenter

Ray Mandli

President

Mandli Communications, Inc.

rmandli@mandli.com

Co-Presenter

Larry Mattke

Senior GIS Analyst

Mandli Communications Inc.

lmattke@mandli.com

The San Diego Metropolitan Transit System (MTS) set out to find a better means to understanding the quantity and quality of their light rail infrastructure on the 53 miles of track that they maintain. The decision was made to do a pilot project that used a LiDAR point cloud to create a 3D visualization of their system. This presentation will discuss the methodology used to capture the LiDAR of the light rail line and the process that extracted asset information from the point cloud.