

PROJECT HIGHLIGHTS

- TopoDOT™ can handle multiple data sets from different LiDAR scanners.
- Processed with TopoDOT™ in MicroStation™
- Modeled Silhouette, Structure, Steps & Foundation, and Slabs for the Elevations
- Processing time was 1.5 days

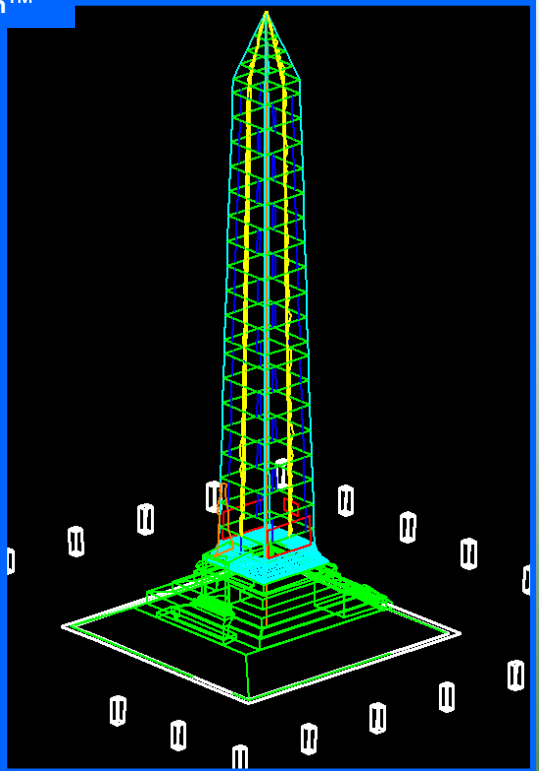
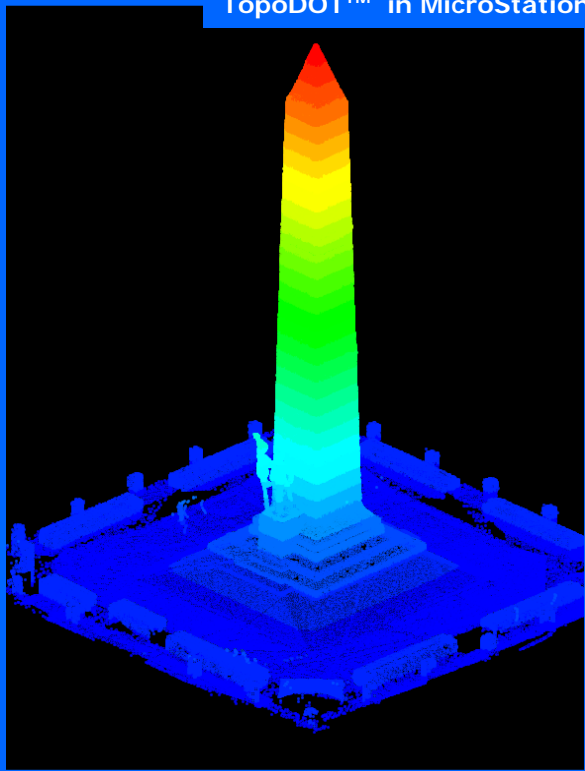
Customer: Vanasse Hangen Brustlin, Inc.
Project: Obelisk

Dates: December 2009
Size: 6ft x 6ft x 60ft
Type: As Built / Elevations
Project Mngr: Michael Cook

Project Summary:

Certainty 3D applied 3D Imaging Technology to produce a full CAD Model of an Obelisk for VHB. 3D Image data was collected with a Topcon GLS1000 LiDAR scanner. TopoDOT™ can handle multiple data types; therefore, many common LiDAR data formats are supported. A detailed model of the Obelisk was extracted accurately from the data. The CAD Model includes a vertical center line, structural blocks, vertical-horizontal mortar joints, silhouette of stone texture, steps, foundation, auxiliary statue, mounted plaques, and barrier slabs. The combination of these extracted features gives an extremely detailed As-Built of the Obelisk. Processing time was approximately 12 hours or 1.5 days and was done by one processor. The application of 3D Imaging Technology brought both the total project time and cost down, and still yielded a superior product compared to traditional surveying methods.

TopoDOT™ in MicroStation™



Deliverable Summary

- Data processed using Certainty 3D's TopoDOT™ application in MicroStation™
- All 3D image data is traceable back to control network survey reference
- TopoDOT™ generated model delivered in MicroStation™ CAD formats
- Completed Model and Elevations also exported in AutoDesk format