Dulles Transit Corridor

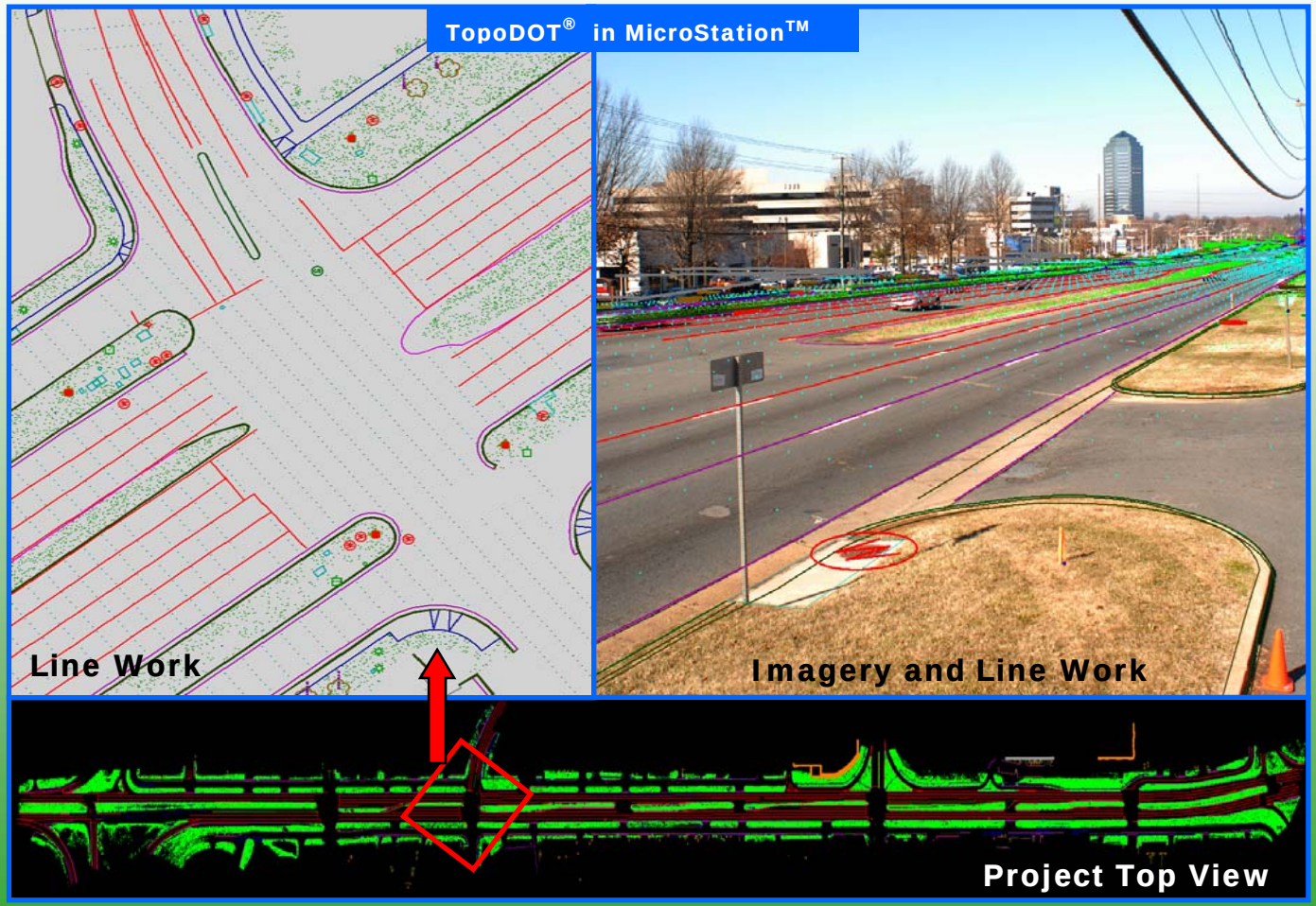
Customer:	Dulles Transit Partners, LLC
Project:	Route 7
Dates:	February 2008
Size:	1.25 miles of multilane corridor
Type:	Survey – Full DTM/TOPO
Project Manager:	Jennifer Triana
Project Engineer:	Mauricio Terneus

PROJECT HIGHLIGHTS

- Very high resolution topography exceeding project survey requirements
- Field time reduced by 80% over conventional methods
- Project time reduced by approximately 20%
- Lower cost / higher quality deliverable over conventional survey

Project Summary:

Certainty 3D, LLC (C3D) applied 3D Imaging Technology to produce a Full DTM/Topographic Survey for Dulles Transit Partners, LLC. The project consisted of a multi-lane roadway, Route 7, located in Virginia. Data collection covered 1.25 miles of Route 7 along with access roads and was collected using a Riegl LMS-Z390i LiDAR scanner. A highly detailed topography was extracted from the data. Extracted features consisted of road spots (10x3ft), terrain spots (~1x1ft), break lines (curbs, storm water, retaining walls, sidewalks, etc), utilities, signs, road markings and other features. Data was acquired in 6 days using the TopoLIFT® system and processed in approximately 40 man-days.



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™ format**

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