

D11 Surveyors receive week-long training from Caltrans HQ Office of Land Survey and AHMCT, and start surveying using terrestrial 3D laser scanner

Caltrans District 11 deploys a Leica ScanStation 2 in new survey projects. The new terrestrial laser scanning system was also featured in the D11 Survey Open House. It was well-received by survey customers, resulting in new requests for survey work using terrestrial 3D laser scanning

Dateline June 23, 2008: Caltrans District 11 surveyors— Chelsie Hopkins, Jason Webb, and Dave Olander— received training in operating a Leica Geosystems ScanStation 2 laser scanner and using Leica Cyclone point cloud post-processing software from AHMCT Research Center and Caltrans Headquarters personnel. Deployment of terrestrial 3D laser scanning systems for surveys hit a major deployment milestone in June, when District 11 San Diego surveyors used a Leica ScanStation 2 to survey the California Highway 805 and 95 interchange. The photos show the survey area and Caltrans and AHMCT personnel in action.



Caltrans surveyors and management have evaluated terrestrial 3D laser scanning with support from the AHMCT Research Center. In conjunction with the Caltrans Office of Land Surveys, AHMCT provided training on using the Leica ScanStation 2 and Cyclone post-processing software to District 6 and District 11. District 4 surveyors successfully procured and deployed a Leica ScanStation 2, and have performed numerous scans on new and old Bay Bridge structures and other project sites. District 7 plans to use laser scanning in a rock fall study. District 1 received training from Caltrans HQ, and is applying laser scanning at a landslide site.

For Additional Information

Kevin Akin (916) 227-7650, kevin_akin@dot.ca.gov, Caltrans Office of Land Surveys
Ty A. Lasky (530) 752-6366, talasky@ucdavis.edu, Principal Investigator
Bahram Ravani (530) 754-6130, bravani@ucdavis.edu, Co-Principal Investigator
Kin Yen (530) 754-7401, ksyen@ucdavis.edu, Primary contact

Project details at <http://www.ahmct.ucdavis.edu/index.php?title=3DLaserScanning>