

Dennis Qualls, R.P.L.S.

WHITE HAWK ENGINEERING & DESIGN, LLC

RESUME



EDUCATION
Surveying Engineering (1967—1970)
Mineral Area College

REGISTRATIONS
R.P.L.S. CALIFORNIA No. 6126
R.P.L.S. TEXAS No. 4276

Mr. Qualls has more than 35 years of land surveying experience. He has experience providing technical and managerial duties for transportation agencies, land developers and municipalities. Mr. Qualls is experienced in providing construction, route and boundary surveys in the Midwest, Southwest and Western United States. As Texas Survey manager, he supervises daily survey activities and is responsible for his survey operations. Mr. Qualls has managed multi-year TxDOT contracts involving numerous complex right-of-way and transportation projects statewide. His related experience includes:

Representative Project Experience

***Dallas/Fort Worth International Airport, DFW Airport, TX** - Mr. Qualls supervised the survey activities with topographic surveys on various tanks and blast walls at different locations around the airport. Work was confined to windows of off-peak air traffic and required some night work. All work was carefully coordinated with airport officials.

*Joint Reserve Base, Department of Defense, Fort Worth, TX

Mr. Qualls was the survey project manager for various survey tasks within the airfield. Design surveys were conducted for improvements to drainage areas and structures along with parking lot areas. Numerous structures were located along with elevations for studies of flight paths. Background checks with badges were required to enter the base. All work was accompanied by a base official.

*Dallas Love Field Airport, Dallas, TX

Mr. Qualls was the survey manager for control and design surveys associated with the Automated People Mover (APM). Work involved coordinating features located by ground surveys to link the DART rail facility with the Southwest terminal. Work was conducted outside the airport on the west side and within the southern end of the runways.

*F.A.A. Small Airport Surveys, Throughout TX

Mr. Qualls was the survey project manager for various flight path surveys around Texas. Structures were located within a required distance and elevations were provided for anything within a projected flight path. Structures included, but were not limited to towers, bill board signs, buildings, trees and others that exceeded a given height.

*Margaret Hunt Hill Bridge, Trinity River, Dallas, TX

Mr. Qualls was the project manager for providing construction layout and verifications for the construction of the Santiago Calatrava designed bridge spanning the Trinity River in downtown Dallas. Survey tasks include precise control networks within the project area. Three dimensional points are being

projected for the assembly of the box girders, the arch pylon, the trusses and cables. Tasks also include monitoring of the assembled components as work progresses. Construction was completed in 2011.

*President George Bush Turnpike (SH 190), TxDOT, Dallas, TX

Mr. Qualls served as the survey project manager for design surveys for the PGBT/IH30 interchange near Lake Ray Hubbard. Tasks involved locating all improvements including visible and underground utilities. The baseline was staked under heavy volume traffic using our reflector-less total station. The underground utility work included the staking and locating of approximately 300 bore holes and cross sections. Lake Ray Hubbard for the proposed bridge spanning one mile in length. Hydrographic equipment was utilized with boat work to accomplish this task.

*Southwest Parkway (SH 121) Design Surveys, University Street to Hulen Street, NTTA, Fort Worth, TX

Mr. Qualls served as task leader for topographic design surveys locating existing drainage structures near the proposed roadway. Work also involved detailed bridge surveys locating substructure columns and beams for a partial rebuild of the existing bridge over the Union Pacific rail yard. Thousands of shots were taken for the rails beneath and improvements surrounding the proposed tollway. Horizontal and vertical data was provided in GEOPAK format along with electronic sketches and ASCII files.

*US 75, TxDOT Dallas District, McKinney, TX

Mr. Qualls was survey project manager for a MMS (Mobile Mapping System) and right-of-way surveys of approximately 70 new right-of-way parcels for roadway improvements. Work deliverables include right-of-way maps, parcel maps and descriptions. Tasks included establishing horizontal and vertical control, placing and controlling targets, collecting the data using the MMS and then processing the data and providing a DTM and topographic survey. The targets were placed in high volume traffic areas assisted by TxDOT's traffic control vehicles. The purpose of the survey was to verify stability of the new pavement. A second collection was completed a month later to verify the results. The end result was specific comparisons that checked usually with 0.01'.

*The above information contains individual experience of Dennis Qualls, while employed by another consulting firm.

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TxDOT PRECERTIFICATIONS
15.1.1 15.1.2 15.1.3
15.1.4 15.2.1 15.4.1