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# Kenneth E. Ducat, P.S.

*Principal*

***Registration:***

Professional Surveyor, Ohio (First Registered: 1982)

***Education:***

Associate Degree in Civil Engineering Technology, The University of Toledo Community and Technical College, 1973

***General Qualifications:***

Mr. Ducat joined DGL's predecessor firm in 1974 as a civil engineering technician, principally assigned to field survey activities and now serves as Director of Survey and Right of Way. Mr. Ducat has worked closely with ODOT District/Regional Real Estate staffs and is highly experienced in property issues and current surveying techniques. Under Ken's leadership, DGL is proficient in all facets of project survey including: Digital Level Bench Circuits, Total Station Topographic Survey and GPS Control Monumentation. When the specific job requires, DGL is versed in the use of GPS surveying techniques to maximize the efficiency of field pick-up. Mr. Ducat is prequalified as an ODOT right-of-way reviewer.

***Transportation Experience:***

**S.R. 2 widening, ODOT District 2, LUC 2-14.210, Lucas County, Ohio**

8000' survey for pavement widening, signal design and 2 bridge replacements. Supervised surveying for roadway horizontal and vertical control points and right of way/property control points using GPS, total stations and optical levels. Survey note reduction and data file preparation of total station survey information for inclusion in base drawings. Supervised and developed right of way plans, determined existing right of way lines and designed proposed right of way. Provided 70 permanent/temporary descriptions for right of way acquisitions.

**Sylvania Ave. at Holland-Sylvania Road, Lucas County, Ohio**

5000' survey for road widening, traffic signals and intersection design. Supervised surveying for roadway horizontal and vertical control points and right of way/property control points using total stations and optical levels. Survey note reduction and data file preparation of total station survey information for inclusion in base drawings.

**Monroe Street over Swan Creek, City of Toledo, Toledo, Ohio**

500' survey for replacement of bridge. Survey supervisor for site survey, coordinated contact with existing utility owners, supervised and developed right of way plans and prepared property descriptions for right of way acquisition on 4 parcels. Supervised preparation of base plan drawings.

**U.S. 20 Widening, ODOT – District 2, WOO/SAN-20-12.36/0.00, Wood and Sandusky Counties, Ohio**

Project consisted of the widening of 4 miles of US 20, as well as the replacement of two structures within the project limits. Responsibilities included the coordination of surveying for aerial photogrammetric control points, roadway horizontal and vertical control points and right of way/property control points using GPS, total stations and digital levels. Survey note reduction and data file preparation of total station survey information for inclusion in base drawings generated from aerial mapping. Supervised development of right of way plans and 120 permanent/temporary descriptions for right of way acquisitions.

**Oregon Road over CSX Railroad, ODOT- District 2, Wood County, Ohio**

Supervised surveying for aerial photogrammetric control points, roadway horizontal and vertical control points and right of way/property control points using GPS, total stations and digital levels that were required for the 3800' railroad grade separation project. Survey note reduction and data file preparation of total station survey information for inclusion in base drawings generated from aerial mapping. Supervised and developed right of way plans and 15 permanent/temporary descriptions for right of way acquisitions, including easements required for railroad access and aerial rights.

***Site Design Experience:***

**Various Private Sector Companies, Northwest Ohio**

Mr. Ducat has provided surveying and land transfer expertise to a wide variety of developers and industrial companies throughout the Northwest Ohio region; firms such as: Sun Refining & Marketing; HP Stricher; Dillin Corporation; Rudolph-Libbe and Bostleman Corporation. Firms such as these have required such services as the following: basic topographic site surveys to support the design of buildings, parking structures, traffic signals, railroad spurs, etc.; utility route surveys; volumetric calculation surveys for material stockpiles and overburden areas; ALTA surveys for land acquisition and transfer; and FEMA flood certification surveys.

**Bowling Green State University, Bowling Green, Ohio**

Mr. Ducat has been instrumental in leading DGL surveying and property work on a number of projects located throughout BGSU's Main Campus. His topographic surveys have been used to support the design of buildings, parking lots, sports facilities, roadway construction utility location and routing, as well as boundary determination. Ken has also performed ALTA level surveys and property description write-ups to facilitate the transfer of lands. Ken was also responsible for the survey and mapping work to support BGSU's first parking structure on campus.

**University of Toledo – Main, Scott Park and Health Sciences Campuses, Toledo, Ohio**

Mr. Ducat has been instrumental in leading DGL surveying and property work on a number of projects located throughout the University of Toledo's three campuses. His topographic surveys have been used to support the design of buildings, parking structures and surface lots, sports facilities, roadway construction, specialty entrance gates, utility location and routing, as well as boundary determination. Ken has also performed ALTA level surveys and property description write-ups to facilitate the transfer of lands.

***Professional Affiliations:***

American Society of Highway Engineers – Board of Trustees  
Professional Land Surveyors of Ohio  
National Society of Professional Engineers

***Continuing Professional Development:***

Construction Inspection, Photogrammetry, State Plane Coordinates, Curve Surveying and  
Astronomical Observations, The University of Toledo Continuing Education Program  
Land Surveying Seminars  
Ohio Department of Transportation Bridge Inspection Seminar  
State of Ohio Division of Public Works Seminar  
State of Ohio Right of Way Seminar