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CURRICULUM VITAE

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Executive Summary

Mr. Zwick is an experienced licensed Professional Engineer and Professional Land Surveyor in Ohio. He holds the degrees of Master of Science *cum laude*, and Bachelor of Science, from Case Western Reserve University in Systems Engineering, and in Civil Engineering, respectively. He now serves as the Chief Deputy Engineer of the Office of the Lorain County Engineer. He has also served as an expert witness for claims involving storm water management, underground infrastructure, site development, construction of pavements, and highway accidents.

Mr. Zwick has practiced engineering and land surveying in both the public and private sectors throughout Ohio, and his experience has served: the construction industry, various levels of government, libraries, museums, schools and universities, insurance companies, architects, and other professionals including the legal community. He has programmed, engineered and supervised the construction of projects for various municipalities and local governments, and at N.A.S.A., Cleveland Hopkins International Airport, Kent State University, Tri-C Corporate College and U.S. Steel, including public and private infrastructure projects such as roads, culverts, bridges, drainage, sewer, water lines, pump stations, and site improvements; as well as for industrial, commercial and residential site developments. He has published technical articles, taught professional seminars and technical courses, and contributed to drafting new construction codes and legislation. Moreover, attorneys seek out Mr. Zwick to serve as an expert legal witness in his fields because of his reputation for credibility, excellent communication skills, professionalism and high ethical standards.

Executive Summary, contd.

A former President of the Cleveland Society of Professional Engineers (local chapter of the NSPE), Mr. Zwick volunteered for many years as its Master of Ceremonies for the annual *MathCounts* junior high school mathematics competition. He has also served as President of the Cleveland Chapter of the Professional Land Surveyors of Ohio (PLSO). He received their 2013 Surveyor of the Year award; and has contributed to state-level professional development on-line publications. He represented his engineering firm to the local chapter of the American Council of Engineering Companies (ACEC), and he had been active in its college scholarship program. He has been a member of the Municipal Engineers Association of Northeast Ohio (MEANO), and he had served on its various committees; more recently, he is active in the County Engineers Association of Ohio (CEAO).

Known for thoughtful engineering analysis that often leads to significant construction savings in both time and money, Mr. Zwick enjoys an exemplary record of successful projects completed on time and within budget. He leads his organization's staff toward "green infrastructure" via sustainable development principles in order to realize greater efficiencies. Furthermore, Mr. Zwick emphasizes taking particular care to communicate technical information in an understandable form to non-engineers, to project stakeholders, and to public decision-makers.

Employment Experience

2015-present: Chief Deputy Engineer, Office of the Lorain County Engineer, Elyria, Ohio responsible for engineering and planning roads, drainage and maintenance thereof, review and inspection of new site development construction, regulation and management of storm water runoff and water quality treatment, design of public infrastructure improvements, including quasi-legal project components such as permitting, easements, dedication (or vacation) of public infrastructure, and annexation of municipal lands.

2014: R.E. Warner Associates Inc. (Cleveland, Ohio)

Sr. Project Manager for civil engineering and land surveying of new commercial and residential buildings, public and private roads and infrastructure, industrial facilities, and flood plain development.

1981-2013: Zwick Associates Inc. (Cleveland, Ohio)

Civil Engineer, Land Surveyor, President and Managing Partner. Corporate and engineering supervision of office and field staff for public and private sector construction site improvement projects: approximately 500 miles of roads and underground infrastructure, along with other public improvements (such as airports and parks) throughout northeast Ohio and the region.

1979-1981: Case Western Reserve University (Cleveland, Ohio)

Individual research in optimization strategies with stipend. Graduate assistantship duties also included: technical editing of research team's individual reports, technical editing of research team project reports, assisting in the organization of technical conferences and seminars, and preparation of research proposals and grant applications.

Education

Graduate Studies

- _ Case Western Reserve University **Master of Science *Cum Laude*** in Systems Engineering specializing in Large-Scale Systems Planning and Management. Also, international short course in Optimization of Large-Scale, Civil Engineering Systems and Modeling Analysis of Legal, Political, and Socioeconomic aspects 1979-1981

Undergraduate Studies

- _ Case Western Reserve University **Bachelor of Science** in Civil Engineering, 1979

Technical Short Courses, Seminars & Professional Practice Continuing Education

- _ ADA Compliance PROWAG Rules webinar, Jesse Jonas PE, July 2025
- _ Land Records & Surveying Conference, CEAO, Columbus, May 2025
- _ Ohio Stormwater Conference, Tinker's Creek LLC Sandusky, May 2025
- _ I-471 Big Mac Bridge Emergency Repair, Ohio Concrete seminar Mar. 2025
- _ Pressure Sewer System M.E.A.N.O. short course, January 2025
- _ Riparian & Wetland Setbacks virtual workshop, Chagrin Partners, Nov. 2024
- _ Precast Concrete fabrication demonstration, Mack Industries Oct. 2024
- _ Soil Stabilization (2) demonstrations, Ohio Concrete Assn., Sept & Nov. 2024
- _ H2Ohio Conservation Ditch webinar, Ohio Agriculture Dept., July 2024
- _ Ohio Storm Water Conference (virtual attendee/15 hours), May 2024
- _ Storm Water Control Measures Inspection/Certification, Dayton, April 2024
- _ Northern Ohio Govt. Concrete Seminar, Ohio Concrete Assn., April 2024
- _ SWP3 Construction Activity, Ohio EPA webinar, April 2024
- _ Professional Land Surveyor Conference, Columbus, Ohio, Feb. 2024
- _ Ohio Erosion Control Problem, McDonald Hopkins webinar, Jan. 2024
- _ Concrete Pavement Design Seminar, Ohio Concrete Assn., Nov. 2024
- _ Compaction of Embankments, Roads & Foundation, MEANO, Oct. 2023
- _ County Engineer Assn. of Ohio, Land Records Conference, June 2023
- _ Ohio Storm Water Conference (virtual attendee/7 hours), May 2023
- _ Ohio EPA Phase II Permit Updates, ConTech Course, May 2023
- _ M.E.A.N.O. Course: Combined Sewer Overflows, April 2023
- _ Ohio Concrete Inst. (3) seminars: Construction Sustainability, Mar. 2022
- _ Ohio Storm water Conference (7 webinars), May 2022
- _ ODOT Manual Update, County Engineers Assn. of Ohio, June 2022
- _ M.E.A.N.O. Course: Climate Change Infrastructure, Jan. 2022
- _ Cleveland P.L.S.O., Conveyance Standards, Nov. 2012
- _ County Engineers Assn. of Ohio, Land Survey Conference, July 2021
- _ ODOT R.O.W. Acquisition, Technology MEANO 2 Courses: April 2021
- _ County Engineers Assn. of Ohio, Drainage Conference, March 2021
- _ M.E.A.N.O. Courses (4): Sustainability & Resilience; Concrete Tests; Underground Pre-treatment; Geospatial Sensing; Jan.-March 2020
- _ County Commissioners Assn. of Ohio, Ethics Conference, Dec. 2020
- _ National Stormwater Alliance MS4 Seminar, Aug. 2020
- _ County Engineers Assn. of Ohio, Records Conference, July 2020

Technical Short Courses and Seminars (continued):

- _ County Engineers Assn. of Ohio, Engineer Conference, Jan. 2020
- _ ODOT, LTAP Local Public Agency, Dec. 2019
- _ Ohio EPA, Stormwater Design/Installation/Maintenance, Sept. 2019
- _ M.E.A.N.O., Cuyahoga Soil & Water Conservation District, May 2019
- _ Drainage Conference, County Engineers Assn. of Ohio, Mar. 2019
- _ Asphalt Maintenance /Rehab., Flexible Pavements Ohio, Jan. 2019
- _ Ohio Asphalt Paving Conference, Feb. 2018
- _ M.E.A.N.O., Asphalt Pavement Preservation and VRM, Nov. 2017
- _ Hydrologic & Hydraulic Computations, HydroSphere Eng., Sept.2016
- _ Subsurface Drainage Design, HydroSphere Engineering, Aug. 2016
- _ Specialized Hydrologic Design, HydroSphere Engineering, Dec.2015
- _ Advanced Hydrologic Design, HydroSphere Engineering, Nov. 2015
- _ Hydrologic System Design, HydroSphere Engineering, Oct. 2015
- _ Storm Water Runoff Volume Reduction BMPs, ConTech, Feb. 2013
- _ M.E.A.N.O., Culvert Reconstruction Alternatives, Jan. 2013
- _ P.L.S.O., Survey Base Line Calibration, Nov. 2012
- _ American Institutes of Architects, Ohio State Conference, Sept. 2012
- _ M.E.A.N.O., Sustainability & Resilient Building Design, Sept. 2012
- _ P.L.S.O., Boundary Disputes & Possible Resolutions, Sept. 2012
- _ Professional ethics webinar, Beazley Insurance June 2012
- _ Innovative alternative underground construction techniques seminar, Municipal Engineers MEANO Seminar, March 2012
- _ Short Courses: Legal Descriptions, Mock Trial, Business, Marketing & Geographic Information Systems at PLSO State Conference in Columbus, Feb. 2012
- _ ACEC Seminar Oil and Natural Gas Legislative Issues, May 2012
- _ ACEC Seminar Ohio Transportation Forecast, March 2012
- _ Professional Land Surveyors of Ohio, Do's and Don'ts and Payment Issues, March 2012
- _ Beazley Insurance Seminar, Engineering Professional Liability, March 2012
- _ Contech Webinar, Engineering Storm and Water, March 2012
- _ ACEC Seminar, Engineering Storm and Water, Jan. 2012
- _ Ohio Coastal Training Program, Lake Erie Coastal Design for Technical Professionals, Dec. 2011
- _ Professional Land Surveyors of Ohio, GPS Electronic Bandwidth, Nov. 2011
- _ ACEC Seminar, The Direction of O.D.O.T., Nov. 2011
- _ Professional Land Surveyors of Ohio, ODNR Coastal Design Manual, Oct. 2011
- _ Beazley Insurance Group Webinar, Tug of War, Sept. 2011
- _ ACEC Seminar, Professional Engineering, May 2011
- _ Northeast Ohio Council Seminar, O.D.O.T., April 2011
- _ Northeast Ohio Storm Water Training Council, Post-Construction Practices for Public Roadway Projects, April, 2011
- _ Beazley Insurance Seminar, Risk Management, March 2011
- _ PLSO State Conference Seminar Moderator, Feb. 2011
- _ HP SaniTite, Interceptor Sewer Design, January 2011

Technical Short Courses and Seminars (continued):

- _ Municipal Engineers MEANO Seminar, Construction, January 2011
- _ EPA Storm Water Post-Construction Practices for public roads, 2011
- _ Moderator of PLSO State Conference in Cleveland, 2011
- _ Blue Ribbon Panelist: Land Surveying Current Issues, 2010
- _ Storm water Research & Design, Univ. of New Hampshire, 2010
- _ Rain water Harvesting & Re-use, PIE/Contech, Sept., 2010
- _ Beazley Insurance Const. Contract Webinars, 2010
- _ Porous Pavement Tech. Seminar, Uni-Loc, June 4, 2010
- _ Case Western Reserve University (CWRU) and American Society of Civil Engineers (ASCE) Distinguished Lecture Series:Engineering & Civilization March 24 , 2010 Cleve., OH
- _ Municipal Engineers Association of Northeast Ohio (MEANO) Cleveland Water Dept. Meter Modernization Seminar March 3, 2010 Broadview Heights, Ohio
- _ Municipal Engineers Association of Northeast Ohio (MEANO) Aerial Photogrammetry Seminar February 3, 2010
- _ Municipal Engineers Association of Northeast Ohio (MEANO) Scour-resistant Geosynthetics Seminar January 6, 2010
- _ Cleveland Professional Land Surveyors of Ohio (PLSO) Historical & Small Business Seminar December 5 , 2009 Cleveland, Ohio
- _ Ohio Dept. of Natural Resources Flood Plain Certificate Seminar November 5, 2009 Cleveland, Ohio
- _ State of Ohio Board of Registration for Engineers & Surveyors Professional Ethics Seminar October 1, 2009 Cleveland, Ohio
- _ BLR Consultants GIS/GPS Technology Seminar September 3, 2009 Cleveland, Ohio
- _ Cuyahoga County Engineer CRGS/CEGIS/CORS/HARN Seminar August 27, 2009 Cleveland, Ohio
- _ Lakeside Construction Cast-in-Place Concrete Seminar June 18, 2009 Olmsted Township, Ohio
- _ Ohio Society of Professional Engineers (OSPE) Stimulus Funding Seminar May 21, 2009 Independence, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Lorain County GIS & Geodetic Monumentation Seminar May 7, 2009 Cleveland, Ohio
- _ Cleveland Society of Professional Engineers(CSPE) Professional Ethics Seminar April 23, 2009 Independence, Ohio
- _ ConTech Professional Development Course March 27, 2009 Olmsted Township, Ohio
- _ American Society of Civil Engineers (ASCE) BMP Stormwater Seminar March 26, 2009 Independence, Ohio
- _ ConTech Professional Development Course March 25, 2009 Olmsted Township, Ohio
- _ Northeast Ohio Regional Sewer District (NEORS) Stormwater Management Seminar March 20, 2009 Warrensville Heights, Ohio

Technical Short Courses and Seminars (continued):

- _ STA Professional Insurance Business Practices Seminar
March 19, 2009 Warrensville Heights, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Surveying-
Legal Issues Seminar March 5, 2009 Cleveland, Ohio
- _ Ohio Society of Professional Engineers (OSPE)
Managerial Seminar February 26, 2009 Independence, Ohio
- _ Northeast Ohio Service Directors Association (NOSDA)
Pavement Cost Seminar January 14, 2009 Rocky River, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Business Skills
Seminar November 6, 2008 Cleveland, Ohio
- _ Municipal Engineers Association of Northeast Ohio New
Construction Designs Short Course November 5, 2008
Cleveland, Ohio
- _ ConTech Culvert Hydraulics Course October 9, 2008
Cleveland, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Utilities Surveying
Precautions Seminar October 2, 2008 Cleveland, Ohio
- _ ConTech Revetment Design Course September 30, 2008
Cleveland, Ohio
- _ ConTech Stormwater Treatment and Onsite Filtration Course
September 29, 2008 Cleveland, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Contract
Management Seminar September 4, 2008 Cleveland, Ohio
- _ Municipal Engineers Association of Northeast Ohio (MEANO)
Geogrids and Subgrade Stabilization Course February 20,
2008 Cleveland, Ohio
- _ Ohio EPA Post-Construction Management Practices Workshop
February 13, 2008 Twinsburg, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Survey Education
Conference February 7-8, 2008 Cleveland, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Design
Foundations Seminar November 1, 2007 Cleveland, Ohio
- _ American Council of Engineering Consultants (ACEC)
Construction Administration Seminar October 16, 2007
Cleveland, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Autocad
Workshop October 4, 2007 Cleveland, Ohio
- _ Professional Land Surveyors of Ohio (PLSO) Electronic
Drawing Files Preparation Seminar September, 2007
Cleveland, Ohio

Technical Short Courses and Seminars (continued):

- Professional Land Surveyors of Ohio (PLSO) Poisonous Plants Seminar May 3, 2007 Cleveland, Ohio
- Professional Land Surveyors of Ohio (PLSO) O.U.P.S. Safety Seminar April 12, 2007 Cleveland, Ohio
- Northern Ohio Service Directors Association (NOSDA) A.D.A. Handicap Regulations Seminar April, 2007 Independence, Ohio
- Ohio Lake Erie Commission Local Land Use Workshop March 14, 2007 Valley View, Ohio
- Northern Ohio Service Directors Association (NOSDA) Asphalt Recycling Processes Seminar March, 2007 Valley View, Ohio
- Municipal Engineers Association of Northeast Ohio (MEANO) Delaying Pavement Cracking Seminar March 6, 2007 Broadview Heights, Ohio
- Professional Land Surveyors of Ohio (PLSO) Computer Applications in the Construction Industry Seminar March 1, 2007 Cleveland, Ohio
- Northern Ohio Service Directors Association (NOSDA) Pavement Joint Technology Seminar February 22, 2007 Cleveland, Ohio
- ADS Conduit Technology Seminar February 15, 2007 Independence, Ohio
- Zwick Engineering Pre-Cast Concrete Design Technical Seminar February 9, 2007 Olmsted Township, Ohio
- Municipal Engineers Association of Northeast Ohio (MEANO) Cable Concrete Modules Seminar February 7, 2007 Broadview Heights, Ohio
- Northern Ohio Service Directors Association (NOSDA) Innovative Pavement Technology Seminar January 10, 2007 Cleveland, Ohio
- ConTech Surface Water Runoff Technical Workshop January 2, 2007 West Chester, Ohio
- Professional Land Surveyors of Ohio (PLSO) State Code Updates Program November 2, 2006 Cleveland, Ohio
- Professional Land Surveyors of Ohio (PLSO) Traffic Safety Seminar September 28, 2006 Cleveland, Ohio
- Professional Land Surveyors of Ohio (PLSO) Legal Aspects of Surveying Seminar September 2, 2006 Cleveland, Ohio
- Northern Ohio Service Directors Association (NOSDA) Asphalt Recycling Seminar March 8, 2006 Valley View, Ohio

Technical Short Courses and Seminars (continued):

- Northern Ohio Service Directors Association (NOSDA)
Concrete Repair Seminar February 8, 2006 Valley View, Ohio
- Meredith Brothers Inc. Civil Engineering and Geosynthetics
Seminar January 31, 2006 Cleveland, Ohio
- Northern Ohio Concrete Promotion Council (NOCP) Paving
Seminar March 12, 2004 Middleburg Heights, Ohio
- American Consulting Engineers Council (ACEC) Small Firms
Boot Camp Feb 27-28, 2004 Dallas, Texas
- Ohio Environmental Protection Agency (OEPA) Storm Water
Phase II Technical Seminar Dec 16, 2003
Olmsted Township, Ohio
- American Council of Engineering Companies (ACEC) Business
and Professional Seminars Oct 23-26, 2002
San Juan, Puerto Rico
- Ohio Society of Professional Engineers (OSPE) Professional
Seminars May 29-30, 1998 Cleveland, Ohio
- American Consulting Engineers Council (ACEC) Business and
Professional Seminars April 30-May 8, 1998 Kona, Hawaii
- Ohio Society of Professional Engineers (OSPE) Technical and
Professional Development Seminars April 25-26, 1997
Canton, Ohio
- CNA Shinnerer Professional Liability Insurance Seminar March 12,
1997 Cleveland, Ohio
- American Society of Civil Engineers (ASCE) Culvert Hydraulics
Technical Seminar Oct. 18, 1995 Erie, PA
- Polaris Vocational Institute Introductory AutoCAD Course January
to April, 1995
- Ohio Association of Consulting Engineers (OACE) Business
Seminar “Negotiating Higher Fees” April 1995 Columbus, Ohio
- American Society of Civil Engineers (ASCE) Storm Water
Management Manual of Practice Technical Symposium Jan. 25,
1995 Erie, PA
- Case Institute of Technology Hierarchical-Multiobjective Approach
in Water Resources Planning and Management Short Course,
Cleveland, Ohio 1980
- NASA/Case Western Reserve University Third National
Conference on Energy Conservation, 1981
- The Construction Specifications Institute (CSI) Construction
Contract Law Seminar, 1984
- U.S. Dept. of Defense/NSPE Hazardous Waste Technical Briefing,
1985

Technical Short Courses and Seminars (continued):

- Professional Land Surveyors of Ohio (PLSO) Survey Education Course, 1991 to 1992
- U.S. Soil Conservation Service” Urban Hydrology for Small Watersheds Technical Seminar,” 1990
- U.S. Soil Conservation Service “Implementing Erosion and Sedimentation Controls for Urban Development Sites,” Technical Seminar, 1990
- Federal Aviation Administration (FAA) 1st International Pavement Management Technical Symposium, 1987, Madison, WI
- Professional Land Surveyors of Ohio (PLSO) North American Datum 83/Ohio State Plane Coordinate System Technical Seminar, 1984
- Cleveland Engineering Society (CES) Civil/Sanitary/Structural Refresher Program, 1983
- Portland Cement Association (PCA) Pavement Design Seminars 1983 and 1980

Publications

- _ “County Engineer & PLSO Chapter Restore Monuments,” *Ohio Surveying News*, Winter 2016-2017
- _ “Report form A.I.A. Ohio State Convention,” *Cleveland Surveying News*, November 2012
- _ “Survey This!” *Cleveland Surveying News*, September 2012
- _ “Flood L.O.M.A Alert,” *The Pennsylvania Surveyor*, June 2011
- _ “Save those Valuable Monument Boxes!,” *Cleveland Land Surveyor*, January 2011
- _ “Cleveland PLSO Takes its Show on the Road to the A.I.A.,” *Cleveland Surveying News*, January 2011
- _ “Construction Machine Guidance at 2011 PLSO Conference,” *Cleveland Surveying News*, March 2011
- _ “Ohio Utility Protection Services Alert,” *Cleveland Surveying News*, November 2010
- _ “New Flood Maps for Northeast Ohio,” *Cleveland Land Surveyor*, January 2010
- _ “National Flood Insurance Program for Surveyors,” *Review Cleveland Surveying News*, 2009
- _ “What is a Monument Box?” *Cleveland Land Surveyor*, May 2009
- _ “Fence Permits,” *Cleveland Land Surveyor*, December 2008
- _ “President’s Message: ‘NPR’ & State Board,” *Cleveland Surveying News*, September 2008
- _ “President’s Message: Professional Ethics & Board Rules,” *Cleveland Surveying News*, August 2008
- _ “President’s Message: Automatic Machine Control & GPS,” *Cleveland Surveying News*, May 2008
- _ “President’s Message: Real Estate Trends,” *Cleveland Surveying News*, April 2008

Publications (continued):

- "Cleveland – You've Got to Be Tough," *Cleveland Surveying News*, March 2008
- "C.P.D. State of Ohio Continuing Professional Development" statute *PLSO Newsletter*, February 2006
- "New Amendments to Ohio State Condominium Law," *PLSO Newsletter*, February 2005
- Engineers Week newspaper article published in Cleveland Plain Dealer in association with the Cuyahoga County Municipal Engineers Association (CCMEA) 1985
- "1984 L.A. Olympics Traveling Holographic Laser Show," News Article and Photo Credit, Lasers and Applications, October, 1984
- "Co-ordination in a Hierarchical Multiobjective Framework: Applications to Energy Storage Systems," M.S. Thesis, Case Western Reserve University, Cleveland, Ohio, May, 1981
- "Energy Storage in Electric Power Systems," Engineering and Science Review, Volume 23, No.2, May, 1980

Technical Presentations

Co-presenter of Cleveland Professional Land Surveyors of Ohio webinar: "Lorain County Conveyance Standards," July 15, 2021, Elyria, Ohio

Speaker at the American Institute of Architects Ohio State Conference Session "How Civil Engineers and Surveyors can make an Architect's Life Easier," September 2012, Cleveland, Ohio

Panelist at "Mock Trial" Seminar Professional Land Surveyors of Ohio (PLSO), State Conference February 2012, Columbus, OH

Panelist, "Automatic Machine Control in Construction" Seminar Professional Land Surveyors of Ohio (PLSO), State Conference February 2011, Cleveland, OH

EPA Seminar Speaker, Ohio EPA Post Construction Management Practice Seminar, Twinsburg, Ohio, February 13, 2008

Moderator, Professional Land Surveyors of Ohio (PLSO), State Conference February 2008, Cleveland, OH

Instructor, Professional Land Surveyors of Ohio, Survey Technician Class, 2005, Cleveland, OH

Professional Land Surveyors of Ohio Conference (PLSO) State Conference Professional Ethics Seminar Moderator Feb. 6, 2005 Cleveland, Ohio

Instructor, Professional Land Surveyors of Ohio, Certification Course, 2000-2004, Cleveland, OH

Seminar presentation to law firm of Benesch, Friedlander, Copeland & Aronoff Real Estate Group entitled "Professional Land Surveying Services," Cleveland, Ohio 1990

Lectures to Civil Engineering college classes at Case Western Reserve University entitled "Electronic Distance Measurement," 1988 & 1989

Address to American Society of Civil Engineering at Case Western Reserve University, Cleveland, Ohio 1978

Awards & Citations

- _ 2013 Surveyor of the Year, Cleveland Professional Land Surveyors of Ohio

- _ Featured in Cleveland Sun Post-Herald, Nov. 11, 2010
“NEORS D Big Creek Chevy Branch Storm Water Riparian Restoration
Projects”

- _ Featured in Olmsted Falls Chamber of Commerce Newsletter,
November 2008

- _ Cleveland Society of Professional Engineers citations for various offices,
committee chairmanships and memberships, 1991-1999

- _ Cleveland Society of Professional Engineers nominee for OSPE Young
Engineer of the year, 1993

- _ Outstanding Achievement-Highest Grade in State on State Board Exam from
Professional Land Surveyors of Ohio (PLSO), 1992

- _ Honor Award from Ohio Association of Consulting Engineers (OACE) for
Drafting, 1987

- _ Full Tuition Merit Scholarship to Case Western Reserve University School of
Graduate Studies, 1979-81

- _ West Shore Society of Professional Engineers nominee for OSPE Young
Engineer of the Year, 1980

Professional Society Activities

National Society of Professional Engineers (NSPE), Member 1984-2015,
MathCounts Student Competition committee 1993-2011

Ohio Society of Professional Engineers (OSPE), past Scholarship
Committee Chairman

Cleveland Society of Professional Engineers (CSPE), President (1996),
Board of Directors, Scholarship Committee Chairman 1994-1999

American Council of Engineering Companies (ACEC), Member 1987-2015

Ohio Consulting Engineers Association (OCEA), Member 1987-2015, Past
Public Relations Committee Member, Past Scholarship Committee
Chairman

Cleveland Engineering Society (CES), Past Member of Engineers Week
Committee

Professional Land Surveyors of Ohio (PLSO), Cleveland Chapter President
(2007-2009), State Conference Committee 2008 & 2011, Conference
Moderator 2011, Trustee 2005-2006

Municipal Engineers Association of Northeast Ohio (MEANO), Member
1983-2021, Former Sewer Standards Committee member