



**Michael W. Janecek, P.E.**  
Civil Engineer

**Licensed Professional Engineer:**

States of Iowa and Illinois

**Education:**

Iowa State University, B.S. in Civil Engineering, 1995

**Related Experience and Qualifications**

Michael joined the firm in 2019 with previous experience in municipal engineering, storm water, water and wastewater engineering, site and subdivision design, traffic engineering, surveying, inspection and construction management. He currently has 24 years of civil engineering experience.

Michael is responsible for project management, design and construction administration for general civil engineering projects including water, wastewater, storm water management, transportation, surveying and land development. Michael also serves as City Engineer for the Cities of Blue Grass and Buffalo, Iowa.

Michael has extensive design and construction experience in many types of civil engineering projects such as transportation, subdivision and site development, wastewater collection, water distribution, and storm water management. Mike has worked for many private and public clients and is familiar with the requirements and procedures of state and local agencies. Mike has assisted clients in all phases of projects varying from conceptual planning to construction administration for private, municipal, and state projects in both Iowa and Illinois.

**Recent Projects:**

- Woodlands Subdivision – Bettendorf, IA
- The Bend – East Moline, IL
- Rhythm City Casino – Davenport, IA
- Valley Bluff Horizon – Clinton, IA
- N. Mississippi Street – Blue Grass, IA
- Mills Chevrolet – Davenport, IA
- Spencer Hollow Subdivision – Bettendorf, IA
- 7<sup>th</sup> Street Signals – Moline, IL
- Chestnut Street – Buffalo, IA
- EIIC Railroad Extension – Davenport, IA
- Madison Elementary – Muscatine, IA
- Musco Lighting – Muscatine, IA
- National Guard Readiness Center -  
Davenport, IA
- Glengevlin Subdivision – Bettendorf, IA
- Townsend Farm Subd. – Eldridge, IA
- Edgewood Baptist – Rock Island, IL
- Hynd Farm – Silvis, IL
- Fancy Creek Pavement – Andalusia, IL

**Professional Affiliations:**

National Society of Professional Engineers (NSPE) Member  
American Society of Civil Engineers (ASCE) Member  
Chi Epsilon

**Matthew Krause, P.L.S.**

**Related Experience and Qualifications:**

Matthew joined the firm in 1996 and has been involved in the surveying profession since 1987. Prior to working with Martin & Whitacre, he worked with the engineers of the U.S. Navy Seabees on construction projects worldwide. He has completed numerous horizontal and vertical construction surveys including grading, paving, bridge construction, and building layout. He has performed property surveys for new parcels, subdivisions, retracements, government acquisitions, and easements. He has utilized GPS and conventional survey equipment to complete control networks and topographic mapping surveys for other engineering firms, private entities, the Iowa DOT, and Army Corps of Engineers projects. He currently supervises all company projects for 3D Laser scanning, bathymetric surveys, topographic surveys, government acquisition surveys, large scale and drone mapping. He holds a current Part 107 Remote Pilot Certificate.

**Education:**

A.A. / 1991 / General Studies, City College of Chicago, Guantanamo Bay Campus

**Licensed Surveyor:**

2001 / Land Surveyor / Iowa

**Professional Affiliations:**

- Society of Land Surveyors of Iowa (SLSI)
- American Congress on Surveying and Mapping (ACSM)
- National Society of Professional Surveyors (NSPS)
- Surveyor's Historical Society (SHS)

**Gary W. Whitacre, P.L.S.**

**Related Experience and Qualifications:**

Gary has been involved in all aspects of all types of surveys including boundary retracement, ALTA/ACSM, topographic, hydrographic, land acquisition, GPS control, construction staking and aerial ground control since 1980.

Gary has led Martin & Whitacre's commitment to pioneering and maintaining state of the art equipment, software and processes, i.e. GPS, digital photogrammetry, digital leveling, multi-single beam bathymetric, 3D laser scanning, and CAD capabilities.

Gary has been in charge of land surveys for the firm since 1984. He has been appointed to several commissions by the district court of Muscatine, Louisa, and Jackson Counties to settle boundary disputes in accordance with Chapter 650, Code of Iowa. Mr. Whitacre has been a speaker at numerous land surveying conferences, serving two terms on the SLSI Board.

**Education:**

A.A. / 1972 / Muscatine Community College with studies in pre-engineering and architecture

**Licensed Surveyor:**

1984 / Land Surveyor / Iowa  
1986 / Land Surveyor / Illinois  
1986 / Land Surveyor / Wisconsin  
1987 / Land Surveyor / Missouri

**Professional Affiliations:**

- American Congress on Surveying and Mapping (ACSM)
- National Society of Professional Surveyor's (NSPS)
- Illinois Professional Land Surveyors Association (IPLSA)
- Missouri Association of Registered Land Surveyors (MARLS)
- Society of Land Surveyors of Iowa (SLSI)
  - Board Member for two terms
- Surveyor's Historical Society (SHS)
- National Society of Professional Surveyor's Foundation (NSPSF)
- National Museum of Surveying (NMS)

**Seth Whitacre, P.L.S.**

**Related Experience and Qualifications:**

Seth joined the firm in 1996 and has been utilizing Leica RTK Global Positioning Systems for all types of survey control, topographic work and boundary work.

Seth has been responsible for establishing and maintaining horizontal and vertical control for large scale projects. Seth was the land surveyor in charge of construction survey and survey control for a 3-billion-dollar industrial development in Lee County, Iowa.

He has performed property surveys for new parcels, subdivisions, retracements, government acquisitions, and easements. Seth has considerable experience using Total Stations and GPS for construction layout of grading, paving, bridge, building, sewer, and railroad projects.

Seth is proficient with AutoCad Civil 3D software.

**Education:**

B.A. / 1996 / Coe College / Business

**Licensed Surveyor:**

2007 / Land Surveyor / Iowa

**Professional Affiliations:**

- Society of Land Surveyors of Iowa (SLSI)
- National Society of Professional Surveyors (NSPS)



**Michael Sandsness**  
Land Survey Crew Chief

**Related Experience and Qualifications:**

Michael has been with the firm since 2009. He has numerous years of employment in private and public sectors of land surveying in Iowa and Minnesota. He has worked on many jobs for private, state, and federal clients. Michael has collected data for various horizontal and vertical constructions surveys including grading, paving, bridge, construction, and building layout, as well as bathymetric surveys. He has assisted with property surveys for new parcels, subdivisions, retracements, government acquisitions, and easements.

Michael has utilized a diverse spectrum of equipment and brands throughout his career. He is proficient with theodolites, GPS, Total Station, and Drones. Michael is competent with CAD, Microstation, and other software employed by land surveyors. He obtained his Part 107 Drone Pilot Certificate while at the firm and has been flying drones on various projects for the past year.

**Education:**

A.A / 2001 / Dunwoody Institute of Technology

**Certifications:**

Part 107 Remote Pilot Certificate  
Nuclear Gauge RSO

**Recent Projects:**

- Blackhawk Bridge – Lansing, IA
- Mississippi Drive Improvements – Muscatine, IA
- Harrison Street Drainage Improvements – Clinton, IA
- Iowa City Wastewater Treatment Plant – Iowa City, IA
- Iowa Fertilizer Company Plant – Wever, IA
- 11<sup>th</sup> and Park Avenue Bridges – Waterloo, IA
- HNI Projects – Muscatine, IA
- Ft. Madison Wastewater Treatment Plant – Ft. Madison, IA
- Chicken Hatchery – Wilton, IA
- Generating Plant – Ottumwa, IA

**Jennifer McKay**  
Office Manager / CAD Technician III

**Related Experience and Qualifications:**

Jennifer joined the firm in 2015 as the office manager and is responsible for the company payroll, accounts payable, accounts receivable, company monthly/quarterly taxes, employee records, health insurance, and 401k. Along with the administrative duties, she also handles the website and social media accounts.

Jennifer has previous experience with municipal GIS in water, wastewater and storm infrastructure, municipal utility billing, and has been assisting with CAD related projects since 1996. Jennifer has been involved in all types of surveys including new parcel, subdivision, boundary retracement, ALTA/ACSM, topographic, government acquisitions, and easements for the last five years. She has composed topographic surveys for other engineering firms, in-house design, private entities, the Iowa DOT, municipalities, and the Army Corps. of Engineers. She has compiled county and courthouse research for deeds, easements, right-of-way, and boundary retracements. Jennifer is responsible for ascertaining all relevant signatures from third parties, as well as submitting all documents required to record using E-submission through Iowa Land Records.

**Education:**

1996 – 2005 / Applied Sciences, Blackhawk Community College

**Recent Projects:**

- **Musco Lighting** – 36 Acre ALTA Survey in accordance with the ALTA/NSPS 2016 requirements.
- **West Hill Phase 5** – 33 blocks of urban topographic survey and utility information including base mapping.
- **Monsanto** – Industrial Topographic Survey with base mapping for construction of a new plant.
- **Grandview Acquisition Plats** 17 right-of-way vacation and permanent easement surveys.



**Jennifer M. Smith, E.I.T.**  
Engineer in Training

**Related Experience and Qualifications:**

Jennifer joined the firm in 2017 where she has been working under a licensed professional engineer to gain the experience required to obtain her professional license. She has gained experience in municipal engineering, storm water, water and wastewater engineering, site and subdivision design, and surveying.

Jennifer is responsible for assisting in project management, design and construction administration for general civil engineering projects including water, wastewater, storm water management, transportation, surveying and land development.

Jennifer has design and construction experience in many types of civil engineering projects such as subdivision and site development, wastewater collection, water distribution, and storm water management. Jennifer has worked for many private and public clients and is familiar with the requirements and procedures of state and local agencies. Jennifer has assisted clients in all phases of projects varying from conceptual planning to construction administration for private, municipal, and state projects in Iowa.

**Education:**

B.S. / 2016 / Civil Engineering, University of Iowa

**Licensed Engineer in Training:**

2106 / Engineering in Training / Iowa

**Recent Projects:**

- **Oak Park Development** – 48-unit senior living development on a 12-acre lot including major grading, ADA compliant facilities, stormwater management, and utilities.
- **Arbor Commons Subdivision** – 62-lot subdivision including street design, grading, storm water management, water, and utilities.
- **Splash N’ Dash Carwash** – 5,250 sq. ft. car wash including grading, storm water management, sanitary design, water, and utilities.
- **Musco Lighting Building Addition** – 61,200 sq. ft. building addition including grading, water relocation, storm water management, and utilities.
- **Dubuque Car Wash** – 5,250 sq. ft. car wash in Dubuque, IA including grading, storm water management, sanitary design, water, and utilities.
- **Muscatine BBQ** – 4,800 sq. ft. multi-use building including grading, storm water management, sanitary design, water, and utilities.

**Professional Affiliations:**

- American Society of Civil Engineers (ASCE)
- Engineers Without Borders (EWB)