

EMILY SCHULTZ, P.E.

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EXPERIENCE

JOHN DEERE DUBUQUE, IA **FACILITIES ENGINEER** DEC 2021 – CURRENT

- Planning, implementing, and maintaining the infrastructure and equipment of John Deere Dubuque Works 4 million SF facility; responsible for improving production lines, factory and office facilities
- Managed \$450K in facility modifications to the Crawler Cab Line redesign project to accommodate 10% daily line capacity increase; large monument moves that required concrete, mechanical, and electrical trades; utilized weeklong factory shutdown and off-shift work to avoid disruptions to the daily production schedule
- Implementation of \$3M multi-phased office module update project, consisting of new storm shelter rated bathroom and modernized office furniture providing increased seating capacity to Skid Steer office module; navigated changes in management steering desired project outcomes with late requested design changes
- Project manager for ongoing 5,200 SF Industrial Wastewater Treatment Facility to replace 50+ year old system at end of usable life; incorporates improved technology and capacity for future factory growth potential; led value engineering process and competitive contractor bidding to reduce overall project cost
- Renovate Dubuque facility with \$3M ongoing refresh project, focused on modernizing the office and factory environment while aligning with corporate standards to achieve consistency enterprise-wide; consistent communication with Dubuque Works management and collaboration with primary office stakeholders

AFFILIATED CONSTRUCTION SERVICES (ACS) MADISON, WI **LEAD PROJECT ENGINEER** SEP 2017 – DEC 2021

- Management of construction projects from concept design through construction and closeout by developing project estimate and schedules, formulating bidding phase Scope of Work documents, negotiating terms with qualified contractors, managing requests for information, and leading design and construction coordination meetings
- Project lead and site supervisor for a 2,000 SF rooftop addition to the Cummins Tech Center for housing dynamometer drives; managed all the daily site activities, including coordination with contractors and Cummins safety; achieved a 12% profit margin for the \$2.5 million project
- Designed 7 modular enclosures for electrification testing, built and assembled off-site then relocated to Cummins Tech Center; consolidated BIM model with civil site drawings and existing conditions; worked directly with suppliers to ensure each was structurally capable of supporting the testing and controls equipment placed inside
- Developed bid packages, awarded contracts, and supervised construction for a 26,000 SF biomedical research laboratory fit-out at the Medical College of Wisconsin; surpassed the client requirement of 30% construction costs on project contracted through Women, Minority, or Service-Disabled Veteran Owned businesses
- Assistant project manager for \$30 million, 400,000 SF expansion project for Cardinal Glass in Tomah, WI; managed budget and schedule while working through supply chain challenges; coordinated roughly 20 different contractors in various trades throughout project; navigated owner change requests with transparent communication on effect to project schedule and cost

EDUCATION

UNIVERSITY OF WISCONSIN – MADISON MADISON, WI **BS – STRUCTURAL SYSTEMS ENGINEERING** 2017

LICENSE AND CERTIFICATIONS

- **PROFESSIONAL ENGINEER (P.E.):** Civil – Construction / **Wisconsin** / NO. 49215-6
- **OSHA 10:** 10-hour Construction Safety and Health / **2017**

SKILLS

AUTODESK

- AutoCAD, Revit, Navisworks

MICROSOFT OFFICE

- Word, Excel, PowerPoint, Outlook, Project, Teams

- Procore
- SAP/SRM
- Sharepoint
- Bluebeam
- Primavera

PROFESSIONAL ORGANIZATIONS

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) WISCONSIN SECTION **SE BRANCH MEMBER** NOV 2017 – CURRENT

WOMEN IN MANUFACTURING (WiM) IOWA | ILLINOIS | SOUTHERN WISCONSIN **MEMBER** MARCH 2023 – CURRENT