

John Blickem

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Professional Experience

July 2022 - Current – City of Aurora, Engineering Division

Engineering Technician III

Under general direction performs skilled para-professional engineering work as chief of a field party engaged in making surveys for construction projects. Also acts as a construction inspector and as a skilled draftsman performing a wide variety of technical assignments. Responsible for conducting a location, construction and final survey for projects such as streets, sanitary sewers, storm sewers, water mains, curbs and gutters. Performs residential drainage investigations, surveys, and data reduction for Engineering staff.

November 2016 – July 2022 – DuPage County Stormwater Management

Stormwater Systems Coordinator

Oversee all aspects of Stormwater Management flood control facility operations. Install, test, implement, and maintain various network systems; SCADA controls network, remote sensors, pressure transducers, stream gages, and IP cameras. Review technical specs and construction drawings. Prepare operational reports, identify, diagnose and resolve hardware and software performance issues. Supervise and coordinate daily operation of GIS staff and field crews.

September 2014 – November 2016 – DuPage County Stormwater Management

GIS Analyst

Develop and maintain regulatory flood plain maps. Work directly with FEMA on development and adoption of flood insurance rate maps. Design, develop, and implement ArcGIS Online data collection applications for smartphone and tablet field data collection. Review, develop, and edit construction drawings across various platforms. Coincidentally handling responsibilities of Senior Environmental Technician as described below.

November 2010 – September 2014 – DuPage County Stormwater Management

Senior Environmental Technician

Perform construction/field operations and contract management in accordance with County ordinance requirements. Manage multiple 200k+ contracts (stream maintenance/mowing/SCADA Integration). Review engineering drawings and perform construction layout. Perform GPS data collection and differential leveling as ordered by engineering staff. Coordinate and execute drone data collection operations in accordance with FAA standards.

November 2005 - November 2010 - Manhard Consulting, Ltd., Lombard, IL

Crew Chief

Perform topographical, ALTA as-built, and construction layout surveying. Utilize NGS benchmarks and differential leveling techniques to transfer benchmark data to project sites. Managed and supplemented a two-man crew responsible for exceedingly accurate data collection, layout execution, field note taking/drawings, and boundary reconstruction

Education

Waubonsee Community College, Sugar Grove, IL

Advanced Geographic Information Systems (GIS) Certificate of Achievement – May 2012

Triton College, River Grove, IL

Land Surveying Program – September 2005-June 2006

Kishwaukee College, Malta, IL

Associate Degree - December 2000

Software/Systems

SCADA Products; GE Proficy iFIX SCADA/ Modicon, GE, and Allen Bradley PLCs

ESRI ArcMap 10.2/ArcGIS Online & Auto CAD 2023

Microsoft Office Suite/Windows XP & 7 Trimble 5700 GPS / Robotic Surveying Systems

Awards

2006 Illinois Professional Land Surveyors Scholarship Recipient