Kaitlin A. Wright, PE

Infrastructure Assistant Department Manager

EDUCATION

B.S., Civil Engineering,
Bradley University, 2014

Joined Firm in 2014

Years of Experience: 10

REGISTRATIONS

Licensed Professional Engineer: Illinois

CERTIFICATIONS

Manhole Assessment Certification Program, NASSCO, Inc.

Lateral Assessment Certification Program, NASSCO, Inc.

Pipeline Assessment Certification Program NASSCO, Inc.

PAPERS/PRESENTATIONS

Pipeline Assessment & Certification Program (PACP)

- WATERCON, March 2016 (Springfield, IL)
- CSWEA, June 2016 (Aurora, IL)

Let's Talk About Lead

- APWA Suburban Branch Luncheon, October 2022

BAXTER & WOODMAN Consulting Engineers

Kaitlin is experienced in the planning and design of water and wastewater infrastructure. She has performed numerous tasks, including sewer condition assessments and rehabilitation studies, Risk and Resilience Assessments and Emergency Response Plans, flow monitoring and infiltration/inflow investigations, GIS integration, and construction services. Kaitlin assisted on two multi-million-dollar road reconstruction projects and served as a field technician responsible for construction observation, documentation, and field quantities calculations.

REPRESENTATIVE PROJECTS

Illinois Communities

Lead Service Line Replacement Program and Public Education

Technical Advisor/Project Manager. Baxter & Woodman is working with communities such as Fox River Grove, Glenview, Wilmette, and many more to assist in implementing their Lead Service Line Replacement Program, including, but not limited to, developing a Water Service Line Inventory, Lead Service Line Replacement Plan, Public Education & Notification material, or executing Lead Service Line Replacements. Baxter & Woodman recognized there was an opportunity to develop a comprehensive program that would incorporate ArcGIS Tools for a systematic approach in amassing existing system information, investigating outstanding unknowns, coordinating public education and notification efforts, and maintaining clear communication and timelines both with internal community staff and throughout the community.

AMERICAN WATER INFRASTRUCTURE ACT'S RISK AND RESILIENCE ASSESSMENTS AND EMERGENCY RESPONSE PLANS

Gurnee, IL

Risk and Risk Resilience Assessment and Emergency Response Plan

Project Engineer assisting with developing and meeting the requirements of the American Water Infrastructure Act's Strategic Risk and Resilience Assessment and Emergency Response Plan.

CONSTRUCTION SERVICES

Lake County Division of Transportation, IL

Wadsworth Road at Green Bay Road Intersection Reconstruction

Field Technician for intersection reconstruction that consisted of asphalt reconstruction and widening of the intersection of Wadsworth Road and Green Bay Road (IL 131). The improved intersection now has two through lanes with right and left turn lanes on Green Bay Road in each direction, and two through lanes with left turn lanes on Wadsworth Road in each direction, with a modernized traffic signal. The intersection of Wadsworth Road and Cambridge Drive was also reconstructed and a permanent traffic signal was installed. Continued messaging was delivered through a project website and emails, and by working with the Lake County PASSAGE (Live Traffic) System.

- MCCOG Executive Dinner, January 2023
- WATERCON 2023 (Springfield, IL)

ASSOCIATIONS

American Water Works Association
(Sewer Collection Committee)

STUDIES

Lake County, IL
Lakes Region Sanitary District Shared Services (LRSD) – Sanitary System Review
Project Engineer responsible for reviewing the infrastructure and operations of the major elements of Lakes Region Sanitary District's (LRSD) system and potential asset transfers to Lake County Public Works for purposes of achieving greater operational efficiencies and more logical service delivery. The review included assessing the regional facilities and operations of LRSD, including reviewing and comparing previous evaluation reports; capacity, management, operation, and maintenance reports; sewer televising and manhole inspection records; and LRSD's Capital Improvement Plan. Additionally, recommendations were made for future system rehabilitation.

Lake County, IL
Northwest Lake Facility Planning Area Regional System Review
Project Engineer responsible for assessing the Northwest Regional System, which consists of the Northwest Regional Water Reclamation Facility and the Northwest Sewerage System, to ensure its efficient and effective operation. Reviewed existing and projected system capacity using CMAP population projections, assessed condition of the assets associated with the sanitary system, evaluated existing operational and maintenance programs, and recommended future rehabilitation projects.

Lincolnshire, IL
2021 MFT Street Improvements
Project Engineer responsible for evaluating existing conditions of storm sewer within the project limits. Storm sewer repairs were evaluated by reviewing televised tapes provided by the Village.

Round Lake, IL
2020 Sanitary Televising Review
Project Engineer for the review of internal sanitary sewer inspection videos of approximately 80,300-lineal feet of existing sanitary sewers. Reviewed CCTV inspection videos and written logs of sanitary sewers to identify the general condition of sanitary sewers and building service connections, location and severity of defects, and existence of infiltration/inflow (I/I) sources. Prepared a written memo summarizing the work completed, results of the CCTV inspections, and recommendations for improvements to rehabilitate the defects identified. The recommendations included cost estimates and prioritization or proposed improvements.

DESIGN

Fox River Grove, IL
Bayview Pump Station Improvements
Project Engineer for the design of improvements for the Village's Bayview Pump Station consisting of: evaluating existing pump station electrical system and controls; installing two new pumps for Bayview Pump Station; connecting new 8-inch force main to existing 8-inch bypass force main; preparing site piping and valve work to connect new pumps to new and existing force main.