

Sewer Lining Program – Candidate Research & Inspection Prioritizing (3 Weeks)

- Review and identify critical areas for rehabilitation efforts
- Identify locations of insufficient data
- Develop a plan to prioritize future inspections
- Mapping and video review
- Plan research
- Spreadsheet creation/analysis
- Pipe assessment

Major Facility Construction (6-12 weeks)

- Be part of the construction team on one of four \$30 million projects under construction next summer. Duties include contractor oversight, field measurement, and verification



Accounting (12 Weeks)

- Learn how to maintain the Utility's capital asset accounting records
- Learn how to verify the Utility's materials and supplies inventories
- Learn how the accounting cycle applies to Municipal Utilities
- Learn how to analyze the financial statements of Municipal Utilities

Environmental Engineering/Biology/Chemistry (12 Weeks)

- Assist the wastewater superintendent within the sewer plant
- Participate in waste to energy projects at the plants
- Study microorganism populations in biological wastewater treatment system
- Analyze scientific data and do quality control checks
- Monitor progress of Environmental Improvement Program

Occupational Safety and Health (12 Weeks)

- Applicant should possess a 30 Hour OSHA Certification or greater
- Applicant should be familiar with Trench Safety, Aerial Safety, Hazardous Materials, Fire/Emergency Preparedness, Construction Safety, and OSHA Standards
- The goal is for the intern to assess all safety aspects of the Evansville Water and Sewer Utility Construction Projects
- Identify and document all Observations, Necessary Controls, and Related OSHA Standards
- Provide a written Executive Summary at the conclusion of the Intern Period

Information Technology (IT) & Geographic Information System (GIS) (12 Weeks)

- Assist IT staff with projects through all phases of the development life cycle
- Gathering, drafting of design specification, test case development and execution, and creation of end user training
- Possible projects consists of Intranet development, GIS editing, SharePoint development, and data mapping and consolidation
- GIS editing of water and sewer assets

**Come Apply to Join Our Team—
You Will be Glad You Did.**



**2020 Summer
Internship Program**



Welcome to the Evansville Water & Sewer Utility (EWSU) 2020 Summer Intern Program

We are very pleased to offer this opportunity to you as a college student. Our intern program is different than most other intern programs.

At the EWSU, you select the type of work that you will complete based on your interests. It is not decided for you. This approach allows you to “build your own resume” from the dozens of choices as you approach the beginning of your professional career.

The following pages are lists of some of the opportunities from our project managers for this summer. Each project is listed as a 3-, 6-, or 12-week commitment. The program is really flexible so pick the 12 weeks of work that is most appealing to you. If you aren't sure, we can always place you in our area of greatest need, as well.

If you are interested, go to www.ewsu.com/engineering and complete the pdf for the Intern Application under Topics of Interest. Email the completed application to crowen@evansville.in.gov or return to the Administrative Services Department with the City of Evansville. We will be interviewing for our summer internship program in mid-November. Thanks, and we look forward to investing in your experiences.

Michael D. Labitzke, P.E.
Deputy Director of Utilities,
Program Management Office



Sewer Rehabilitation, Sewer Installation, Inspections & Testing (3-12 weeks)

- Monitor the contractors
- Document on a daily basis
- Record testing results
- Correct GIS mapping

Force Main Analysis (3 weeks)

- Analyze and identify the existing sewer force mains
- Identify pressure ratings and availability of locating means
- Identify discharge points, lengths, the needs for additional locating aids
- Update library of associated O&M manuals



Sewer Project Management (3 weeks)

- Assist the EWSU PM with program management
- Project scoping
- Design and construction including coordinating, meeting with designers, scheduling, construction oversight including periodic field inspections, change management, and cash flow management.



Vertical Asset Data Collection and Condition Assessment (3 weeks)

- Collect asset information and condition assessment at the water filtration plant and both sewer treatment plants.
- Compile information for accurate life expectancies for the assets
- Determine current value of assets

Surveying (12 weeks)

Assist the surveyor with various projects from a boundary and topo survey, planning and executing a flying mission with the EWSU's Inspire 2 UAV, and scanning a building or structure with our Terrestrial Scanner.

GIS Editing with Field Survey

Assist the surveyor by researching existing easements within Laredo software and plotting in AutoCAD, converting into a shapefile for ArcMap 10.4.1, and field verify that water and sewer assets (manholes, water valves, fire hydrants) are shown in GIS at the correct location.

Assessment of Completed Sewer and Water Projects (3 weeks)

- Research project limits to determine assets within the system that need to be depreciated
- Determine asset amount for infrastructure installed, based on the final project cost
- Complete spreadsheet for tracking information

