

MANAGEMENT ENGINEER SENIOR

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Recruitment #1502-5320-002

List Type Transfer/Promotional

Requesting Department DPW-WATER-ENGINEERING

Open Date 3/21/2015

Filing Deadline 4/10/2015 11:59:00 PM

HR Analyst Lindsey O'Connor

INTRODUCTION

THIS POSITION IS FOR CURRENT CITY OF MILWAUKEE EMPLOYEES ONLY.

PURPOSE

The Management Engineer Senior directs the Engineering work unit operations associated with Milwaukee Water Works (MWW) Mains, Plants or Construction work units by managing capital budget projects, special repair projects, and research and studies-type projects.

ESSENTIAL FUNCTIONS

Engineering:

- Manage and direct staff for the preparation of contract documents including plans, specifications, calculations and final design for installation, alteration, maintenance and replacement of MWW facilities.
- Assure that final documents adhere to City and professional design standards.
- Manage and direct the staff for preparation of easements, requests for quotes, requests for qualifications, requests for proposals, etc.
- Manage and direct staff for the preparation of scopes of work, preliminary engineering documents, estimates, etc. Review engineering documents prepared by outside consultant/contractors.
- Collaborate with other MWW sections on projects.
- Ensure compliance of standards associated with the practice of the engineering profession.
- Maintain up-to-date design schedules for major projects related to MWW to ensure timely completion and within budget.
- Provide management of Engineering staff, assign and oversee projects, capital budget priorities, maintain water maps, as-builts, drawings and other records.
- Ensure proper engineering methods and lead research on emerging technologies in the water field.

Construction Management:

- Assign staff to conduct the inspection of active construction projects.
- Ensure that inspection reports are completed in an accurate and timely manner.
- Supervise and direct the preparation of change orders when appropriate.
- Review and recommend actions on requests for payments.
- Maintain project schedule for each active construction project.
- Supervise and direct the completion of as-built documents and final quantities.
- Coordinate and collaborate construction activities with Plant section so as not to disrupt Plant operations and staffing.
- Maintain communications throughout complex projects, punch list requirements, and all warranties.

Management Engineer Senior (Mgmt Civil Eng Sr.), DPW-Water Engineering

Contract Management:

- Manage and coordinate the publication and assembly of official documents for MWW projects.
- Coordinate with Department of Public Works (DPW) for the advertising, bidding, and award of contracts.
- Serve as representative during official bid openings.
- Review and recommend action on pay requests.
- Manage the contract work of outside firms working in and on MWW property.
- Manage the safekeeping and storage of the records, documents, plans, maps, as-builts, and warranties of the MWW as they pertain to MWW facilities.

Staff Management:

- Manage staff by assigning work, monitoring progress and providing direct supervision to various Engineering, Engineering Technician and Engineering Drafting Technician positions for day-to-day work activities.
- Train and seek opportunities for training with regards to development of staff.
- Manage, direct and evaluate staff needs related to performance and job safety.
- Manage and direct staff for the preparation of research studies, testing of materials, and reports related to MWW facilities.
- Ensure compliance with all City, DPW and MWW policies, procedures and work rules. Recommend discipline, if necessary.
- Manage and direct resources to ensure that assigned duties consider appropriate workloads to aid in the completion of projects on time and within budget.
- Review for accuracy and approve payroll entries of staff. Ensure that all backup documentation is submitted.

Capital Improvements Program (CIP)

- Manage capital budget as assigned.
- Complete both preliminary and final estimates for annual and six-year programs when requested.
- Collaborate with other MWW sections in planning for future CIP projects.
- Maintain documentation for all engineering estimates.
- Collaborate with Engineering section manager when adjustments in work priorities are merited.

CONDITIONS OF EMPLOYMENT

Must respond to after-hours emergencies in all types of weather.

MINIMUM REQUIREMENTS

1. Current status as a regularly appointed City of Milwaukee employee having passed probation for current position held.
2. Bachelor's Degree in Civil, Electrical or Mechanical Engineering from a program accredited by the Accreditation Board for Engineering and Technology (ABET).
3. Registration as a Professional Engineer in Wisconsin at time of appointment and throughout employment.
4. Six years of experience in the design and/or construction of engineering project management required which includes at least one year as a Civil Engineer III, Mechanical Engineer III, or Electrical Engineer III or higher.
5. Valid driver's license at time of appointment and throughout employment.

DESIRABLE QUALIFICATIONS

- Masters Degree in Engineering.

KNOWLEDGES, SKILLS, ABILITIES & OTHER CHARACTERISTICS

- Knowledge of water hydraulics, water main materials and sizing for a multiple pressure zone distribution system.
- Knowledge of basic water treatment process.
- Knowledge of CAD to understand and interpret engineering drawings.
- Knowledge of management practices and principles to effectively manage direct reports.
- Knowledge of project management practices.
- Interpersonal skills to effectively develop and maintain working relationships with a variety of individuals including the public, contractors, elected officials, co-workers and management.
- Verbal communication skills to effectively provide clear, accurate and concise instructions to employees and present information to various individuals and groups including within the organization, the public and elected officials.
- Written communication skills to prepare business correspondence and technical reports.
- Effective listening and negotiating skills to work efficiently and effectively with contractors and others.
- Ability to work well under pressure and within deadlines.
- Ability to accomplish goals in a changing environment.
- Ability to review, analyze and prepare technical reports and studies.
- Ability to proficiently use computer programs such as Microsoft Office Suite, Outlook, Microstation/AutoCAD and the internet.
- Ability to handle emergency situations in a calm and professional manner.
- Ability to collaborate for the successful completion of projects in the best interest of the utility and its customers.

CURRENT SALARY

The current starting salary (PG 1IX) for City of Milwaukee residents is \$75,478 annually, and the non-resident starting salary is \$73,627. Appointment above the minimum is possible.

SELECTION PROCESS

THE SELECTION PROCESS will be job related and will consist of one or more of the following: an evaluation of related education, experience and accomplishments, written tests, interview, or other assessment methods. The Department of Employee Relations and Milwaukee Water Works reserve the right to call only the most qualified candidates to oral, performance tests or personal interviews. Information from the selection process will be used to make a hiring decision. Selected candidates will be transferred and/or promoted to the position.

- *NOTE: Transfer/Promotional Opportunities and Promotional Examinations are not open to Milwaukee Public Schools employees or to the public. Only current non-probationary City of Milwaukee employees and civilian personnel in MFD and MPD hired through a City Service Commission process will be considered. Individuals with exempt, provisional, temporary or emergency appointments are not eligible for transfer.*