



## Job Description

**POSITION TITLE (LEVEL):**

ELECTRICAL PROJECT MANAGER (LEVEL 18)

**DEPARTMENT:**

ENGINEERING

**SUPERVISOR:**

ENGINEERING MANAGER OR DESIGNEE

**FLSA STATUS:**

EXEMPT

**LNI CODE:**

5306

**REVISION DATE:**

03/20/2024

**REPRESENTED BY:**

NON-REPRESENTED

**REVIEW DATE:**

**JOB SUMMARY:**

Responsible for coordination, administration, planning, review and development of electrical designs, plans, and specifications of assigned public works projects relating to both water and sewer utility systems and operations.

Responsible for overseeing the activities associated with water and sewer system improvement projects and activities associated with proposed land development projects as assigned.

Troubleshoots technical electrical problems in conjunction with the review of capital improvements and development projects and operations. Coordinates, as needed, with other departments and manages consulting contracts for engineering and construction management services.

Develops short and long range plans, policies, procedures, and objectives consistent with District goals.

Supervises, directs, assigns, coordinates, and reviews the work of assigned engineers and/or technical staff and provides management with information related to the performance.

Work is regularly performed under general supervision.

**ESSENTIAL JOB FUNCTIONS:**

- Maintains regular, predictable attendance.
- Physical ability to conform with all safety requirements.
- Supervises, coordinates, and/or develops engineering designs, plans, specifications, and cost estimates for assigned public works projects.
- Supervises and oversees and coordinates the activities associated with water and sewer system improvements required for capital improvement and land development projects, including review and evaluation of construction plans and engineering reports, review of technical issues pertaining to legal documents, analysis of service availability issues, calculation of connection charges, etc.
- Analyzes and develops solutions to complex electrical problems associated with water and sewer systems.
- Ensures that public works projects conform to District, City, County, State and Federal laws, standards, resolutions, policies, procedures, permits, regulations and codes, and that

schedules, budgets, and other commitments for multiple projects are observed.

- Reviews requests for material and equipment purchases.
- Coordinates inter-agency activities with neighboring jurisdictions.
- Interprets policies and procedures for the public.
- Assists customers and answers inquiries made by telephone, written communications, and/or e-mail.
- Participates in personnel actions for the Department, such as hiring, leaves, overtime, transfers, promotions and separations as appropriate.
- Supervises, directs, assigns, coordinates, and reviews the work of assigned engineers and/or technical staff and evaluates the performance of assigned staff; recommends disciplinary actions, as appropriate.
- Provides staff training as needed to support work activities.
- Plans work activities, provides guidance and technical assistance to assigned staff, and is responsible for daily management of projects, including the maintenance of related records and databases.
- Responsible for oversight of the annual project budgets, including controls over expenditures.
- Assigns equipment and personnel for designated areas of responsibility.
- Develops short and long range plans, policies, procedures, and objectives consistent with District goals.

#### **ADDITIONAL DUTIES AND RESPONSIBILITIES:**

- Coordinates and directs the activities of consultants and/or contractors retained to perform services for the District in conformance with applicable contracts.
- Performs research and prepares various technical reports, documents and calculations/computations as assigned.
- Makes recommendations for needed improvements to the physical facilities of the District.
- Prepares periodic written reports on the status of assigned activities and responsibilities, including the Capital Improvement Program.
- Oversees and/or assists in the development and updating of the District's Comprehensive System Plans.
- Meets and consults with citizens, customers, private engineering consultants, construction contractors, land owners/developers, lawyers, representatives of other governmental agencies, and other interested parties concerning the planning, design, construction and management of public works projects and smaller engineering related assignments.
- Ensures that facility Construction Record Drawings and other records are maintained and updated as construction projects are completed.
- Oversees electrical studies and verifies their accuracy by comparing with actual facility operation data.
- May assist in the observation and supervision of construction, inspection and maintenance of the electrical systems undertaken by District forces.
- Assists in the development of District policies and procedures.
- Coordinates grant applications for Water and Wastewater projects.
- Coordinates environmental permits renewals and applications for Water and Wastewater systems.
- Participates in the development of the annual Capital Improvement Program.
- Ensures that all hiring, disciplinary and supervisory practices are in accordance with the District's overall policies and procedures and labor agreements; ensures that labor grievances are resolved at the lowest possible level.
- Issue RFQs and assists in the selection of professional consultants, and manages those consultants who are retained to perform work on public works projects.
- Reviews organizational structure and functional relationships and recommends appropriate changes to the Engineering Manager to ensure an effective and efficient operation of the Department.

#### **EDUCATION AND EXPERIENCE:**

- Requires High School Diploma or equivalent with either a 2-year Technical College Degree in Controls & Instrumentation or completed 4-years from an accredited Electrical Apprenticeship program or a 4-year

Bachelor of Science degree in Electrical Engineering, together with seven (7) years experience in progressively responsible leadership positions OR any combination of experience or education which clearly demonstrates competency.

- A Washington State Journeyman's Certificate of Competency (01) or Masters License or Professional Engineer License in Electrical Engineering is desired but not required. Licensing may be offset by demonstrated experience and knowledge in managing personnel and electrical & controls systems.
- Over ten (10) years of experience in an industrial electrical and controls systems environment related to the water and/or wastewater industry is desirable but not required.
- Five (5) years of experience in Instrumentation, PLC Programming, and Electronics or the equivalent in job experience is desirable but not required.
- Minimum of three (3) years of supervisory experience is preferred.

#### **KNOWLEDGE, SKILLS, AND ABILITIES:**

- Demonstrates strong electrical knowledge and technical background and comprehensive knowledge of water and sewer utility system technologies.
- Advanced knowledge of and a demonstrated ability to interpret engineering plans and specifications.
- Strong ability to make effective presentations on complex subjects at public meetings - including Board of Commissioners meetings and at various other meetings throughout the community.
- Strong ability to interact positively and effectively with diverse individuals within and outside the organization to accomplish common goals.
- Strong ability to establish effective work relationships with other District employees, representatives of similar agencies, and the public.
- Comprehensive knowledge and proficient use of personal computers and word processing, spreadsheet, and database software.
- Advanced analytical skills to assess trends and develop strategies for action.
- Excellent oral and written communication skills, including the ability to write technical reports.
- Proactive problem solving skills and the ability to enhance creative talents of subordinates.
- Skills associated with drafting (AutoCAD preferred).
- Advanced knowledge of construction management procedures.
- Demonstrable working knowledge of development, forecasting, analysis and monitoring of operating and capital budgets.
- Strong knowledge of contract management procedures.
- Demonstrated ability to manage complex and multi-disciplinary projects.
- Thorough understanding and working knowledge of modern management techniques and principles.
- Ability to make decisions concerning work assignments, staffing priorities, objectives and operational procedures.

#### **GENERAL REQUIREMENTS:**

- Demonstrate excellent written and oral communications skills.
- Ability to communicate courteously, effectively, tactfully, and maintain confidentiality.
- Ability to carry out oral and written instructions.
- Ability to organize and prioritize workload.
- May perform task/job duties of other work unit positions in order to balance workload and/or cross train personnel.
- Proficiency with common office practices, equipment, and software.
- Follow all safety requirements set forth by District policy, State and Federal codes.
- Follow all District policies and procedures.
- Other duties as assigned.

#### **MANAGERIAL REQUIREMENTS:**

- Oversee and direct the work of subordinates in work unit in accordance with guidelines set by department manager.
- Conduct timely annual Employee Performance Reviews (EPRs) of employees in work unit.
- Plan, organize and/or supervise the work of subordinate employees.
- Delegate responsibilities, as appropriate, to subordinate managers and staff for effective and efficient operation and management of the District.

**SPECIAL REQUIREMENTS:**

- Depending on area of assignment, must have valid WA State Driver's License.
- Requires attendance at meetings or public hearings in the District offices or off-site. Some meetings are held during the evenings.

**WORK ENVIRONMENT:**

- Work is generally performed in a (an) office environment.
- May require shift, weekend, and holiday work as required by emergency or work assignment.
- Anticipated to respond in emergency situations.
- Requires work outdoors for limited periods of time in all types of weather conditions. Work may also be performed in an environment consisting of loud noises, biological agents, chemical hazards, and odors associated with wastewater treatment plants, water production facilities, and sewer pump stations.
- Requires visual and hearing acuity and limited manual dexterity to lift, bend, stoop, climb, and walk on uneven terrain.
- Ability to work in or around confined space areas.

**MACHINERY, TOOLS, EQUIPMENT, PERSONAL PROTECTIVE EQUIPMENT:**

- General Office Equipment (computer, copier, fax, phone, etc.).
- General Office Software (Windows, Outlook, Word, Excel, PowerPoint, etc.).
- Passenger vehicles, sport utility vehicles, and/or pick-up trucks.
- All Personal Protective Equipment (PPE's) associated with working conditions (i.e. hard hat, eye protection, safety vest, and safety footwear). Level of PPE protection will be determined by District and safety guidelines.

**PHYSICAL DEMANDS:**

<b>Task:</b>	<b>Never</b> 0% 0 hour	<b>Seldom</b> 1-10% 0-1 hour	<b>Occasional</b> 11-33% 1-3 hours	<b>Frequent</b> 34-68% 3-6 hours	<b>Constant</b> 67-100% 6-8 hours
Sit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stand / Walk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Perform work from ladder	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work at heights / balancing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Climb ladder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Climb stairs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Twist	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bend / Stoop	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Squat / Kneel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crawl	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reach	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work above shoulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Keyboard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wrist (flexion/extension)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grasp (forceful)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fine manipulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operate foot controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vibratory tasks; high impact	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vibratory tasks; low impact	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drive vehicle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Repetitive motion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Talk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
See	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature extreme	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Lifting/Pushing</b>	<b>Never</b>	<b>Seldom</b>	<b>Occasional</b>	<b>Frequent</b>	<b>Constant</b>
Lift	Weight lbs	Weight lbs	50 lbs	Weight lbs	Weight lbs
Carry	Weight lbs	Weight lbs	50 lbs	Weight lbs	Weight lbs
Push / Pull	Weight lbs	Weight lbs	50 lbs	Weight lbs	Weight lbs

The statements contained herein reflect general details as necessary to describe the principal functions of this job, the level of knowledge and skill typically required, and the scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned including work in other functional areas to cover absences or relief, to equalize peak work periods or otherwise to balance the workload.

This job description does not constitute an employment agreement and may be changed or amended at any time to meet the needs of the District.