



City of Klamath Falls

Position Description

Position: Senior Engineering Technician	Group: AFSCME
Department: Development Services	FLSA: Non-Exempt/Represented
Evaluated by: City Engineer	Salary Grade: 118

Summary

An employee in this position works under the direction of the City Engineer to perform advanced technical engineering support or engineering-related assignments, applying technical knowledge across a spectrum of engineering design, construction, inspection, and permit processing functions for City infrastructure and related development projects.

Distinguishing Career Features

The Senior Engineering Technician represents the senior-level in the engineering technician pathway within Development Services. The Senior Engineering Technician requires the ability to perform work across a wide range of plan review, construction inspection, and permit issuance duties. The Senior Engineering Technician serves as a technical subject matter leader and may perform limited scope engineering work subject to final review of a professional engineer. This classification is distinguished from the Engineering Technician II by the greater complexity of assignments and level of independent decision-making required of this position.

Essential Duties and Responsibilities

- Provides support and mentoring to Engineering Technician I & II
- Processes, files, and maintains a variety of records, maps, plans, permits, property descriptions and other related information in both digital and hard copy
- Assists the public with a variety of inquiries and requests for information related to land use development and public works services; researches historical information regarding system construction; pursues and resolves citizen inquiries in area of expertise
- Assists the public in completing Development Services permitting and license processes
- Consults with and provides information to contractors, developers, other departments, agencies, and the public
- Prepares and files a variety of reports related to activities in assigned area of responsibility
- Coordinates and performs certain aspects of projects by assigning, directing and coordinating discrete tasks and processes performed by support or other technical staff.

- Conducts reviews of work products.
- Assists GIS Coordinator with system information updates in the form of utility location maps for water, sewer, storm, streetlights, geothermal, etc. utilities in GIS and AutoCAD format
- Prepares correspondence in response to public inquiry
- Coordinates with internal and external designers, engineers, and property developers for project scope, design, and compliance
- Performs reviews and provides written correspondence of plans and specifications for residential and commercial development projects
- Perform project management and inspection duties and documentation of private and public construction projects. Projects may include, but not necessarily limited to, private residential and commercial development, publicly dedicated infrastructure improvements, and capital improvement development from City and other public agency departments. Aid City Engineer and Associate Engineer to inspect and document capital infrastructure related improvements
- Reviews and performs field inspections of traffic control plans for projects obstructing normal traffic circulation
- Reviews and performs field inspections of erosion and sediment control plans for development within City limits
- Provides oversight and assistance with City's Franchise Utilities permitting and inspection program
- Other duties as assigned, including support for other department staff as required; the scope of the assigned area of responsibility dependent on departmental structure and is at the discretion of the Development Services Director

Qualifications

- **Knowledge and Skills**

The position requires specialized knowledge of basic principles of civil engineering; construction and inspection methods and materials testing techniques; principles of engineering designing procedures; applicable engineering standards and development codes; principles and terminology of public works; water/sewer systems; geothermal systems; streets and paving; word processing and spread sheet programs. Requires working knowledge of the laws, regulations, and codes governing municipal public works and construction.

The position requires skills in using Computer Aided Drafting (AutoCAD), Geographical Information System (GIS), computer assisted drafting equipment and software, networks, scanners, plotters and negotiating the storage of data on server systems, as associated with the assignment is desired. The position requires proficiency with Microsoft Office applications and general computer work.

Requires knowledge of the methods and techniques used in citizen involvement and external communications. Requires well-developed human relations skill to conduct persuasive discussions with diverse audiences, present ideas clearly, resolve conflict, and convey technical concepts to others.

▪ **Abilities**

Read and interpret documents such as construction contract documents including design plans and specifications, standards, requirements; technical instructions in mathematical or diagram form; to write routine reports and correspondence; to perform arithmetic computations; maintain and prepare records and reports; operate a variety of appliances and equipment; establish and maintain effective working relationships. Incumbents must demonstrate the ability to handle job stress and interact effectively with others in the workplace. Ability to respond intelligently and effectively to common inquiries or complaints from customers, regulatory agencies, or members of the business community. The City of Klamath Falls has a specific emphasis on service to our customers. Our goal is to create a positive, productive and courteous atmosphere for our employees and customers. Employees are evaluated on the quality of customer service they provide.

▪ **Physical Abilities**

Requires sufficient ambulatory ability to move about to office and other locations. The employee must regularly lift and/or move up to 60 pounds. Requires auditory ability to carry on audience, ordinary, and telephonic conversation. Requires near and far visual acuity to read detailed maps, drawings, other printed material, computer screens, and observe physical layouts. Specific vision abilities required by this job include close vision, peripheral vision, depth perception, and the ability to adjust focus. Requires manual and finger dexterity to write and to operate microcomputers and other office equipment. Ability to alternatively sit and stand for sustained periods of time to perform counter work. While performing the duties of this job, the employee is regularly required to: stand; walk; sit; use hands to finger, handle, or feel objects, tools, or controls; reach with hands and arms; and stoop, kneel or crouch; and talk or hear. The employee is occasionally required to climb or balance.

▪ **Education and Experience**

Any combination of education and experience that would provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

A bachelor's degree in engineering, surveying, construction management, mathematics, computer science, or related field from an accredited college; and a minimum of four (4) years' experience in related construction and/or engineering plan review and associated field inspection sufficient to successfully perform the essential duties of the job.

OR

An associate's degree in related field plus minimum six (6) years of experience related to the Engineering Technician I or II position sufficient to successfully perform the essential duties of the job.

All education and field experience requirements must be verifiable from records of satisfactory completion.

Applicant must demonstrate:

- Proficiency with Microsoft Office applications and general computer work.

- Knowledge of sitework construction practices, utility designs, commonly used products and materials, and the related function of utility systems.
- Skill in using Computer Aided Drafting (AutoCAD), Geographical Information System (GIS), computer assisted drafting equipment and software, networks, scanners, plotters and negotiating the storage of data on server systems, as associated with the assignment.
- Current technical/professional knowledge of basic principles, methods, standards and techniques associated with civil engineering
- An understanding of mathematical concepts and drafting techniques; state and local statutes, codes, and regulations; recordkeeping principles and practice, databases and filing systems

▪ **Licenses and Certificates**

- Valid Oregon Driver’s License. New employees establishing resident status in the State of Oregon must obtain an Oregon driver’s license within 30 days.
- Possession of licenses and/or certifications associated with the assignment. At time of employment a national or state construction inspector certification is required. Examples include: ODOT General Construction Inspector and/or APWA Certified Public Infrastructure Inspector
- Completion of the NCEES Fundamentals of Engineering exam with a passing score is desirable.

▪ **Working Conditions**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee regularly works in outside weather conditions. The employee occasionally works near moving mechanical parts; in high, precarious places; and is occasionally exposed to fumes or airborne particles. The noise level in the work environment is usually moderate.

▪ **Pre-Employment**

Job offers for this position are contingent on the individual passing a pre-employment drug screen and fit-for-duty exam.

The City of Klamath Falls is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City of Klamath Falls will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.