



Job Title	Engineer I	FLSA Status	Exempt
Band	PRO	Probationary Period	12 Months
Zone	4	Job Code	17505

Class Specification – Engineer I

Summary Statement:
 The purpose of this position is to design, oversee, and coordinate a variety of transportation and engineering projects within the Public Works Department including financial administration, planning, budgeting, purchasing, and construction management; to direct the work of outside engineering consultants involved in the construction, repair, and design of a variety of projects including sidewalks, streets, small storm sewers, and other improvements; and to perform a variety of professional and technical tasks in support of assigned area of responsibility. This is the entry level class in the Civil Engineer series, and performs more routine tasks and duties assigned to positions within the series.

Essential Functions	Note: Regular and predictable attendance is an essential function in the performance of this job.
Time % (All below must add to 100%)	Note: Time spent on each essential function will vary based on operational needs and is only intended to be an approximation over the course of a full year.
30%	Performs civil engineering calculations, analysis, and design tasks; prepares technical reports and specifications; and review specifications.
70%	Researches right of way and property ownership; and answers inquiries from citizens and stakeholders regarding City of Colorado Springs policies and procedures.
10%	Reviews engineering plans and documents prepared by consultants working for developers.

Competencies Required:

Human Collaboration Skills: Work may require providing advice to others outside direct reporting relationships on specific problems or general policies. Contacts may require the consideration of different points of view to reach agreement. Elements of persuasion may be necessary to gain cooperation and acceptance of ideas.

Reading: Advanced - Ability to read literature, books, reviews, scientific or technical journals, abstracts, financial reports, and/or legal documents. Ordinarily, such education is obtained at the college level or above. However, it may be obtained from experience and self-study.



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Math: Advanced - Ability to apply fundamental concepts of theories, work with advanced mathematical operations methods, and functions of real and complex variables. Ordinarily, such education is obtained at the college level or above. However, it may be obtained from experience and self-study.

Writing: Intermediate - Ability to write reports, prepare business letters, expositions, and summaries with proper format, punctuation, spelling, and grammar, using all parts of speech. Ordinarily, such education is obtained in high school up to college. However, it may be obtained from experience and self-study.

Technical Skills Required:

Skilled in a Technical Field: Work requires a comprehensive, practical knowledge of a technical field with use of analytical judgment and decision-making abilities appropriate to the work environment of the organization.

Relevant Background and Formal Education: Demonstrated skills, competencies, and knowledge required for this job are most often acquired through the following practical experience and level of academic education and training as suggested below.

Education: Bachelor's degree from an accredited college or university with major coursework in civil engineering or a related engineering field.

Experience: This is an entry level position and prior experience is not required.

Certifications and Licenses: Must possess or be able to acquire the following certifications and/or licenses.

Colorado Driver's License	Upon hire
Professional Engineering (PE) License in the state of Colorado Note: If licensed in another state, you may be able to obtain reciprocity in Colorado.	Within 12 months of start date
Certifications required in accordance with standards established by departmental policy.	

Supervision Exercised:

Work requires the occasional direction of helpers, assistants, seasonal employees, interns, or temporary employees.



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Supervision Received:

Receives Direction: The employee normally performs the duty assignment after receiving general instructions as to methods, procedures, and desired end results. There is some opportunity for discretion when making selections among a few, easily identifiable choices. The assignment is usually reviewed upon completion.

Fiscal Responsibility:

The job title prepares accounting, budget, employment actions, and purchasing documents; and does research to justify language used in documents for a unit or division of a department. May recommend budget allocations.

Physical Demands:

Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.

Environmental Conditions	Frequency
Primary Work Environment	Office Environment
Extreme Temperature	Seasonally
Wetness and Humidity	Never
Respiratory Hazards	Never
Noise and Vibrations	Never
Physical Hazards	Never
Mechanical and/or Electrical Hazards	Never
Exposure to Communicable Diseases	Never

Machines, Tools, Equipment, and Work Aids: Computer, printer, copier, telephone, and standard office equipment.

Specialized Computer Equipment and Software: Microsoft Office.

The description above is intended to represent only the key areas of responsibilities; specific job assignments, duties, and environmental conditions will vary depending on the business need of the department and the particular assignment.

Original Date: October 2015