



Title: Engineering Director

FLSA Status: Exempt

BRIEF DESCRIPTION:

The purpose of this position is to plan direct and review the activities of the Engineering department. This is accomplished by planning and directing areas of development, capital project construction and traffic engineering projects, coordinating activities with other departments and outside agencies, and providing support to the city manager. Other duties include representing the city at regional issues, and coordinating with other communities and outside agencies.

ESSENTIAL FUNCTIONS:

Note: This information is intended to be descriptive of the key responsibilities of the position. The list of essential functions below does not identify all duties performed by any single incumbent in this position. Additionally, please be aware of the legend below when referring to the physical demands of each essential function.

(S) Sedentary	(L) Light	(M) Medium	(H) Heavy	(V) Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally; 10 lbs. frequently; or negligible amounts constantly; OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally; 10-25 lbs. frequently; or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally; 10-25 lbs. frequently; or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally; 50-100 lbs. frequently; or up to 20-50 lbs. constantly.

#	Code	Essential Functions
1	S	Oversees the engineering phase of the development review process by meeting with developers and engineers, coordinating and reviewing with departments, managing plan review, and drafting letters and various correspondences during the review and construction phases.
2	S	Reviewing traffic impact studies and making recommendations; overseeing the construction process and conducting on-site inspections as needed to enforce engineering standards and criteria; releasing civil plans for construction and the acceptance of the work; and reviewing zoning and subdivision cases and representing engineering concerns before the Council.
3	S	Administers the capital improvement program by preparing long range plans, budgeting and scheduling, advertising and awarding contracts, consulting, reviewing engineering and construction plans and specifications, preparing and reviewing contract documents and specifications, meeting with consultants and contractors during the design and construction phase of projects, overseeing the construction process and conducting on-site inspections, and preparing and making formal presentations to elected officials and completing project close out information.
4	S	Resolves engineering problems with developers, contractors and construction companies by reviewing and analyzing problems, determining the economic feasibility of the solution, facilitating communication between parties, establishing solutions and distributing any necessary documents.



5	S	Coordinates design projects by determining parameters, meeting with consultants, reviewing preliminary plans, accepting and processing payment invoices and reviewing final plans.
6	S	Oversees departmental activities and budgets by developing and administering the departmental budget; overseeing plan review services and CIP administrative services and personnel; reviewing, revising, and establishing consistent design standards, construction details, and policies necessary for the proper development in accordance with engineering practices; making technical engineering decisions and establishing and enforcing engineering standards and criteria.
7	S	Performs other various engineering functions by coordinating, working with, and representing the City with other outside departments and agencies; administering and coordinating regulatory sign placement and requirements; responding to citizen complaints and requests for information, meeting with citizens and citizen groups, and conducting on-site investigations as required; providing assistance to other City departments; assisting in making decisions relation to various facets of the municipal government; and performing other duties as assigned.



JOB REQUIREMENTS:

-Description of Minimum Job Requirements-	
Formal Education	Work requires broad knowledge in a general professional or technical field. Knowledge is normally acquired through four years of college resulting in a Bachelor's degree or equivalent.
Experience	Over nine years experience.
Supervision	Work requires managing and monitoring work performance of a department including evaluating program/work objectives and effectiveness, establishing broad organizational goals and realigning work and staffing assignments for the department.
Human Collaboration Skills	Final decisions regarding policy development and implementation are made and/or recommended. Interaction with others outside the organization requires exercising participative management skills that support team efforts and quality processes.
Freedom to Act	The employee normally performs the duty assignments within broad parameters defined by general organizational requirements and accepted practices. End results determine effectiveness of job performance.
Technical Skills	Advanced: Work requires advanced skills and knowledge in approaches and systems, which affect the design and implementation of major programs and/or processes organization-wide. Independent judgment and decision-making abilities are necessary to apply technical skills effectively.
Budget Responsibility	Position has major fiscal responsibility. Makes significant contribution to major financial decisions within the department. Responsible for major financial decisions within the department. Decisions may influence budget requests and departmental goals and objectives. Monitors budget plan, and adjusts work activity as necessary.
Reading	Advanced - Ability to read literature, books, reviews, scientific or technical journals, abstracts, financial reports, and/or legal documents. Ordinarily, such education is obtained in at the college level or above. However, it may be obtained from experience and self-study.
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 in at the college level or above. However, it may be obtained from experience and self-study.
Writing	Advanced - Ability to write editorials, journals, speeches, manuals, or critiques. Ordinarily, such education is obtained in at the college level or above. However, it may be obtained from experience and self-study.
Certification & Other Requirements	Valid driver's license, Registered Professional Engineer in Arizona



OVERALL PHYSICAL STRENGTH DEMANDS:

-Physical strength for this position is indicated below with "X"-					
Sedentary	Light	X	Medium	Heavy	Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	X	Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

PHYSICAL DEMANDS:

C Continuously <small>2/3 or more of the time.</small>	F Frequently <small>From 1/3 to 2/3 of the time.</small>	O Occasionally <small>Up to 1/3 of the time.</small>	R Rarely <small>Less than 1 hour per week.</small>	N Never <small>Never occurs.</small>
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Note: This is intended as a description of the way the job is currently performed. It does not address the potential for accommodation.

-Physical Demand-	-Frequency-	-Brief Description-
Standing	O	Making presentations, communicating with co-workers
Sitting	F	Desk work, meetings, driving
Walking	O	To other departments/offices, around work site
Lifting	O	Files
Carrying	O	Files
Pushing/Pulling	O	File drawers, tables and chairs
Reaching	O	For supplies, for files
Handling	C	Paperwork
Fine Dexterity	O	Computer keyboard, telephone keypad
Kneeling	R	Filing in lower drawers, retrieving items from lower shelves/ground
Crouching	R	Filing in lower drawers, retrieving items from lower shelves/ground
Crawling	N	
Bending	O	Retrieving items from lower shelves/ground
Twisting	O	From computer to telephone, getting inside vehicle
Climbing	O	Stairs
Balancing	R	On step stools
Vision	C	Reading, computer screen, driving, observing work site
Hearing	C	Communicating via telephone/radio, to co-workers/public
Talking	C	Communicating via telephone/radio, to co-workers/public
Foot Controls	O	Driving
Other (specified if applicable)		



MACHINES, TOOLS, EQUIPMENT, SOFTWARE, AND HARDWARE:

Computers, printers and related software, vehicle

ENVIRONMENTAL FACTORS:

C Continuously	F Frequently	O Occasionally	R Rarely	N Never
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D Daily	W Several Times Per Week	M Several Times Per Month	S Seasonally	N Never
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-Health and Safety Factors-	
Mechanical Hazards	N
Chemical Hazards	N
Electrical Hazards	N
Fire Hazards	N
Explosives	N
Communicable Diseases	N
Physical Danger or Abuse	N
Other (see 1 below)	N

-Environmental Factors-	
Respiratory Hazards	S
Extreme Temperatures	S
Noise and Vibration	S
Wetness/Humidity	S
Physical Hazards	N

(1) N/A

PROTECTIVE EQUIPMENT REQUIRED:

Safety vest, hard hat

NON-PHYSICAL DEMANDS:

F Frequently <small>From 1/3 to 2/3 of the time</small>	O Occasionally <small>Up to 1/3 of the time</small>	R Rarely <small>Less than 1 hour per week</small>	N Never <small>Never occurs</small>
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-Description of Non-Physical Demands-	-Frequency-
Time Pressure	F
Emergency Situation	O
Frequent Change of Tasks	O
Irregular Work Schedule/Overtime	F
Performing Multiple Tasks Simultaneously	F
Working Closely with Others as Part of a Team	F
Tedious or Exacting Work	F
Noisy/Distracting Environment	R
Other (see 2 below)	N

(2) N/A

PRIMARY WORK LOCATION:

Office Environment	X	Vehicle	
Warehouse		Outdoors	
Shop		Other (see 3 below)	
Recreation/Neighborhood Center			

(3)N/A

