

CITY ENGINEER

DEFINITION

Under administrative direction, plans, organizes, manages, and provides administrative direction and oversight for the Engineering Department, including all capital improvement project planning, design, and construction, permitting and land development services, traffic engineering and transportation planning programs, construction inspection, and real property management; assists in coordinating assigned activities with other City departments, divisions, outside agencies, and the public; fosters cooperative working relationships among City departments, divisions, and with intergovernmental and regulatory agencies and various public and private groups; provides highly responsible and complex professional assistance to the City Manager in areas of expertise; and performs related work as required.

SUPERVISION RECEIVED AND EXERCISED

Receives administrative direction from the City Manager. Exercises general direction and supervision over supervisory, professional, technical, and administrative support staff through subordinate levels of supervision.

CLASS CHARACTERISTICS

This is a department head classification. The incumbent oversees, directs, and participates in the engineering functions of the City, including short- and long-range capital improvement planning and development and administration of Federal, State, and local funds for capital improvements, expansions, and is responsible for providing professional-level support to the City Manager in a variety of areas. Successful performance of the work requires an extensive professional background as well as skills in coordinating departmental work with that of other City departments and public agencies. Responsibilities include performing and directing many of the department's day-to-day administrative functions

EXAMPLES OF ESSENTIAL JOB FUNCTIONS (Illustrative Only)

Management reserves the right to add, modify, change or rescind the work assignments of different positions and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.

- Assumes management responsibility for all engineering functions and activities, including all capital improvement project planning, design, and construction, permitting and land development services, traffic engineering and transportation planning programs, construction inspection, and real property management.
- Manages and participates in the development and implementation of goals, objectives, policies, and priorities for assigned functions and programs; recommends, within departmental policy, appropriate service and staffing levels; recommends and administers policies and procedures.

- Manages the development and administration of the annual budget and capital improvement budgets for the Department; directs the forecast of additional funds needed for staffing, equipment, materials, and supplies; directs the monitoring of and approves expenditures; directs and implements adjustments as necessary.
- Selects, trains, motivates, and evaluates assigned personnel; provides or coordinates staff training; works with employees on performance issues; responds to staff questions and concerns; makes discipline recommendations to the City Manager.
- Continuously monitors and evaluates the efficiency and effectiveness of service delivery methods and procedures; assesses and monitors work load, administrative and support systems, and internal reporting relationships; identifies opportunities for improvement and reviews with the Director; directs the implementation of improvements.
- Plans, directs, and coordinates the Department's work plan; meets with staff to identify and resolve problems; prioritizes and assigns projects and programmatic areas of responsibility; reviews and evaluates work methods and procedures.
- Oversees the development of consultant requests for proposal for professional and/or construction services and the advertising and bid processes; evaluates proposals and recommends project award; administers contracts after award.
- Negotiates and administers contracts for construction projects; ensures contractor compliance with City standards and specifications, time and budget estimates; analyzes and resolves complex problems that may arise; recommends and approves field changes as required.
- Conducts capital improvement project planning activities; provides oversight and input into the conceptual design of engineering projects; investigates and resolves problems with scope of work or cost issues of major facility upgrade and replacement projects.
- Analyzes civil engineering plan design, specifications, consultant and staff comments in accordance with design requirements and municipal and intergovernmental standards and regulations.
- Reviews and approves all plans and specifications, and revisions thereto, for capital improvement projects; all tract and parcel maps, lot line adjustments, development improvement drawings, and legal reviews; all controversial encroachment permits; and other engineering and design documents.
- Meets and confers with contractors, engineers, developers, architects, a variety of outside agencies, and the general public in acquiring information and coordinating engineering matters; provides information regarding City development requirements.
- Serves as a liaison for the department with other City departments, divisions, elected officials, the public, and outside agencies; attends meetings in various locations; provides staff support to commissions, committees, and task forces; participates in community events and workshops that provide public information regarding departmental programs, projects, and services; explains and interprets departmental programs, policies, and activities.
- Conducts a variety of departmental organizational and operational studies and investigations; recommends modifications to programs, policies and procedures as appropriate.
- Participates on and makes presentations to a variety of boards and commissions; attends and participates in professional group meetings; stays abreast of new trends and innovations in the field of community development and other types of public services as they relate to the area of assignment.
- Maintains and directs the maintenance of working and official departmental files.
- Monitors changes in laws, regulations, and technology that may affect City or departmental operations; implements policy and procedural changes as required.

- Prepares, reviews, and presents staff reports, various management and information updates, and reports on special projects to the City Council, as well as various commissions and committees, as assigned by the City Manager.
- Responds to difficult and sensitive public inquiries and complaints and assists with resolutions and alternative recommendations.
- Performs other duties as assigned.

QUALIFICATIONS

Knowledge of:

- Administrative principles and practices, including goal setting, program development, implementation, and evaluation, and supervision of staff.
- Public agency budgetary, contract administration, administrative practices, and general principles of risk management related to the functions of the assigned area.
- Organizational and management practices as applied to the analysis and evaluation of projects, programs, policies, procedures, and operational needs; principles and practices of municipal government administration.
- Principles and practices of civil engineering as applied to the planning, design, cost estimating, construction, installation, and inspection of a wide variety of municipal facilities, miscellaneous buildings and structures.
- Civil and traffic engineering, and transportation planning principles, concepts, standards, and practices associated with public works programs and private development projects.
- Principles and practices of environmental impact assessment and related regulatory processes.
- Methods, materials and techniques used in the construction of public works projects.
- Applicable Federal, State, and local laws, codes, and regulations.
- Principles and practices of employee supervision, including work planning, assignment, review and evaluation, and the training of staff in work procedures.
- Methods and techniques for the development of presentations, contract negotiations and management, business correspondence, and information distribution; research and reporting methods, techniques, and procedures.
- Record keeping principles and procedures.
- Modern office practices, methods, computer equipment and computer applications.
- English usage, grammar, spelling, vocabulary, and punctuation.
- Techniques for effectively representing the City in contacts with governmental agencies, community groups, and various business, professional, educational, regulatory, and legislative organizations.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors and City staff.

Ability to:

- Recommend and implement goals, objectives, and practices for providing effective and efficient engineering services.
- Plan, organize and direct effective capital improvement and public works engineering services and transportation planning programs.

- Conduct complex civil and traffic engineering research projects, evaluate alternatives, make sound recommendations and prepare effective technical reports.
- Analyze and interpret engineering plans and specifications in accordance with design requirements and applicable standards and regulations.
- Prepare and administer large and complex budgets; allocate limited resources in a cost effective manner.
- Interpret, apply, and ensure compliance with Federal, State, and local policies, procedures, laws, and regulations.
- Plan, organize, direct, and coordinate the work of supervisory, professional, and technical personnel.
- Select, train, motivate, and evaluate the work of staff and train staff in work procedures.
- Research, analyze, and evaluate new service delivery methods, procedures, and techniques.
- Effectively administer special, unforeseen/emergency projects and ensure compliance with stipulations to address an unanticipated concern or need.
- Conduct effective negotiations and effectively represent the City and the department in meetings with governmental agencies, contractors, vendors, and various businesses, professional, regulatory, and legislative organizations.
- Prepare clear and concise reports, correspondence, policies, procedures, and other written materials.
- Conduct complex research projects, evaluate alternatives, make sound recommendations, and prepare effective technical staff reports.
- Establish and maintain a variety of filing, record-keeping, and tracking systems.
- Organize and prioritize a variety of projects and multiple tasks in an effective and timely manner; organize own work, set priorities, and meet critical time deadlines.
- Operate modern office equipment including computer equipment and specialized software applications programs.
- Use English effectively to communicate in person, over the telephone, and in writing.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

Education and Experience:

Any combination of training and experience, which would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:

Equivalent to graduation from an accredited four-year college or university with major coursework in civil engineering, or a related field, and six (6) years of project management and/or administration experience in civil and traffic engineering and transportation planning, including two (2) years of program management and supervisory experience.

Licenses and Certifications:

- Possession of, or ability to obtain, a valid California Driver's License by time of appointment.
- Possess and maintain a valid certificate or registration as a Professional Engineer in the State of California.

PHYSICAL DEMANDS

Work is performed primarily in an office environment but requires some work in the field. The office environment requires the mobility to work in a standard office setting and use standard office equipment, including a computer, vision to read printed materials and a computer screen; and hearing and speech to communicate in person, before groups, and over the telephone. Finger dexterity is needed to access, enter, and retrieve data using a computer keyboard or calculator and to operate standard office equipment. Positions in this classification occasionally bend, stoop, kneel, reach, push and pull drawers open and closed to retrieve and file information. Employees must possess the ability to lift, carry, push and pull materials and objects weighing up to 25 pounds. The field environment requires the mobility to walk long distances, traverse uneven, hilly terrain, climb ladders, and stairs. The field work requires the agility to inspect temporary, unfinished, construction sites and access points, which may include entry into confining spaces and inspecting sites of significant height. Requires the ability to operate a motor vehicle to visit various City development and meeting sites.

ENVIRONMENTAL ELEMENTS

Employees work in an office environment with moderate noise levels, controlled temperature conditions, and no direct exposure to hazardous physical substances. Employees also work in the field and may be exposed to loud noise levels, cold and hot temperatures, inclement weather conditions, road hazards, rough terrains, vibration, mechanical and/or electrical hazards, and hazardous physical substances and fumes. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

WORKING CONDITIONS

Must be willing to work a varied schedule of hours, which may include evenings, and/or weekends, as needed.