

LICENSED PROFESSIONAL ENGINEER

DEFINITION

Under direction, performs specialized and complex licensed professional engineer work; and may plan, coordinate and supervise engineering staff involved in the design, development and construction of public and private infrastructure, structures, mechanical equipment and systems.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from a Department Director or designee. May exercise supervision over engineering staff.

DISTINGUISHING CHARACTERISTICS

Licensed Professional Engineer is the licensed professional engineer class in the engineering series. Incumbents perform complex work that requires licensure as a Professional Engineer and may supervise, coordinate, and evaluate the performance of pre-professional engineers and technical engineering staff engaged in civil, electrical, fire protection, geotechnical, structural, mechanical, sanitary, or traffic engineering. Licensed Professional Engineer is distinguished from the Licensed Engineer Manager in that incumbents in the latter perform a higher level of professional and administrative engineering work and are responsible for an entire division.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

May include, but not limited to, the following:

Performs specialized, complex professional engineering work relating to civil, electrical, fire protection, geotechnical, structural, mechanical, sanitary, traffic, electrical or fire protection engineering duties in the review of plans and specifications of buildings, structures or utilities engineering systems for compliance with applicable state and federal regulations and codes, accepted engineering practices and City standards.

Consults with internal and external staff providing professional advice and design services in the preparation of plans and related tasks.

Gathers and analyzes a variety of data concerning engineering, architectural, or mechanical projects and problems; prepares recommendations and comprehensive reports.

Provides status updates to stakeholders such as management, City Council, peers, and consultants as necessary.

May supervise a team of pre-professional and technical engineering staff.

Perform related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

Principles and practices of civil, structural, mechanical, sanitary, traffic, electrical and/or fire protection engineering relating to the preparation and evaluation of plans and specifications for public and/or private construction.

Construction methods, materials, and approved standards of safety relating to assigned field.

Local, state and federal regulations, codes and requirements pertinent to the area of assignment.

Current trends and issues in the assigned engineering field.

Skill/Ability to:

Execute difficult engineering computations, and prepare estimates, designs, plans and specifications.

Use automated systems and related office technology.

Communicate effectively, both orally and in writing.

Establish and maintain effective working relationships with those contacted in the performance of required duties.

May plan, assign, supervise and evaluate the work of others.

Operate modern office equipment including computer hardware and software applications.

Operate a motor vehicle safely.

MINIMUM QUALIFICATIONS

Valid registration as a Professional Engineer by the State of California or equivalent at time of application. Professional Engineers who are licensed in another state may be qualified but must possess a valid Professional Engineer license from the State of California at time of appointment.

Special Requirement(s)

Possession and continued maintenance of a valid California Driver's License may be required within sixty (60) days of appointment.

Recruitment may be limited to a specific area of expertise as required by operational needs.

Areas of expertise include, but are not limited to, those listed below:

1. Civil Engineering
2. Electrical Engineering
3. Fire Protection Engineering
4. Geotechnical Engineering
5. Mechanical Engineering
6. Sanitary Engineering
7. Structural Engineering
8. Traffic Engineering

APPROVED: _____ *(Signature on File)*
Interim Director of Personnel Services

DATE: 8/3/2023