

## CLASS SPECIFICATION

### SAN DIEGO CITY CIVIL SERVICE COMMISSION

#### STRUCTURAL ENGINEERING SENIOR

##### DEFINITION:

Under direction, to plan and supervise professional engineers engaged in the structural design and checking of plans; and to perform related work.

##### \* EXAMPLES OF DUTIES:

- Plans, assigns, and directs the work of engineers engaged in the design and preparation of plans, specifications, and estimates for the construction of public buildings, walks, bridges, and other structures, and the plan checking of designs for compliance with sound engineering practices and adherence to all applicable codes and regulations;
- Directs and participates in the architectural and structural plan checking of design drawings, specifications, and computations submitted in connection with applications for building permits for new structures or alterations of structures for conformance with building regulations, for structural safety, fire hazards, exits, and other matters governed by applicable laws and ordinances;
- Consults with contractors, architects, and engineers regarding proposed building projects;
- Takes charge of difficult and complex structural plan checking or design projects;
- Performs structural damage assessments and feasibility studies related to the effects of earthquakes on City facilities;
- Trains and rates the work performance of subordinates;
- Researches and determines the acceptability of new materials and methods of construction;
- Makes presentations;
- Prepares information bulletins;
- Develops and writes applicable codes;
- Prepares reports and correspondence.

##### MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Registration as a professional Civil or Structural Engineer with the State of California; **AND** four years of professional structural engineering experience in structural design or structural plan checking. A Master's degree in Civil Engineering with emphasis in structures may be substituted for one year of the required experience.

- \* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.