

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

STRUCTURAL ENGINEERING ASSOCIATE

DEFINITION:

Under direction, to perform difficult checking of building plans of complex structures for compliance with building regulations and for structural design adequacies; and to perform related work.

* EXAMPLES OF DUTIES:

- Provides technical assistance on building construction problems;
- Reviews building designs or building remodeling designs involving complex statically indeterminate loading, complex or unusual foundations, unusual building materials and structural members, and unusual construction methods;
- Prepares data for structural items in specifications;
- Studies reports of soils analyses to aid in proper checking of foundation designs;
- Checks effect of seismic forces and wind loading on structures;
- Consults with architects, contractors, and private builders regarding plan modifications, building regulations, and structural problems;
- Coordinates and consults with other departments on structural engineering matters;
- Makes field inspections of building sites when unusual structural problems exist;
- Performs structural damage assessments and feasibility studies related to the effects of earthquakes on City facilities;
- Performs research into unusual structural engineering problems;
- Writes complex and detailed reports.

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.

College graduation with a Bachelor's degree in Structural, Civil or Architectural Engineering, OR certification as an Engineer-in-Training (E.I.T.), OR registration as a professional Structural or Civil Engineer with a State Licensing Board; AND three years of professional structural engineering experience in structural design or public agency structural plan checking which must include one year of experience equivalent to the City of San Diego's classification of Structural Engineering Assistant. A Master's degree in Civil Engineering with emphasis in structures may be substituted for one year of the required experience. Possession of a valid ICBO (International Conference of Building Officials) certificate required within two years of date of hire. Possession of a valid California Class C Driver's License.

- * **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.