

July 1, 1999

## CLASS SPECIFICATION

### SAN DIEGO CITY CIVIL SERVICE COMMISSION

#### ASSISTANT ENGINEER - ELECTRICAL

##### DEFINITION:

Under general supervision, to perform journey-level professional electrical engineering, design, and inspection work; to check complex building plans for electrical design; and to perform related work.

##### \* EXAMPLES OF DUTIES:

- Performs journey level electrical or electronic engineering designs and calculations;
- Prepares plans, estimates, and specifications for electrical or electronic contract work involving traffic signals, telemetering, radio communications systems, street lighting, parking lot and recreation field lighting, pumping plants, and structures;
- Consults with department representatives and other agencies on electrical or electronic engineering problems;
- Checks plans and specifications developed by consultants;
- Inspects major electrical or electronic contract work; checks material lists to ensure conformance with specifications; makes field investigations and surveys;
- Prepares calculations for photometrics, power, and energy studies and load characteristics;
- May supervise and check the work of subordinate engineers and drafting personnel;
- Checks complex building plans for conformance to applicable electrical regulations and calculates electrical adequacy; prepares reports and written recommendations;
- Coordinates construction activities with other agencies and citizen groups.

##### 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 Electrical Engineering or a related field, **OR** certification as an Engineer-in-Training, **OR** registration as a professional Electrical Engineer with a State Licensing Board; **AND** two years of professional electrical engineering experience. 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.