

**CLASS SPECIFICATION**  
**SAN DIEGO CITY CIVIL SERVICE COMMISSION**  
**ASSISTANT ENGINEER – TRAFFIC - 1207**

**DEFINITION:**

Under general supervision, to perform journey-level professional traffic engineering and transportation planning work in developing plans for facilitating traffic movements, accident prevention, and street lighting facilities; and to perform related work.

**\* EXAMPLES OF DUTIES:**

- Prepares journey-level analyses of, and drafts reports on, varied transportation projects;
- Performs traffic accident, transportation systems oversight, and traffic safety analyses, and performs field surveys and studies of existing statistical data;
- Recommends changes to striping, pavement markings, signage, and parking to facilitate safe and efficient traffic flow;
- Reviews proposed subdivision maps;
- Makes studies of street and intersection capacity and recommends necessary street changes for improved traffic movement;
- Reviews calculations and leads the work of personnel conducting traffic surveys;
- Plans traffic signal, traffic sign, street light, and other control device locations;
- Develops plans, estimates, and special provisions for electrical contract work involving traffic signal and safety lighting systems;
- Prepares signal timing plans and coordinates signal timing using SYNCHRO and diagrams, and evaluates results following the installation of timing schedules;
- Reviews transportation studies;
- Assists with implementing programs such as the Bicycle Program, traffic signal management, right-of-way coordination, mobility planning, capital improvement projects, and traffic safety plan checks;
- 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 Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

College graduation with a Bachelor's degree in Traffic, Civil, Electrical Engineering, or a closely related field; **OR** certification as an Engineer-in-Training; **OR** registration as a professional Traffic, Civil, or Electrical Engineer with a State licensing board, **AND** two

- \* 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.**

years of full-time professional traffic engineering or transportation planning experience. Qualifying professional experience must include at least one of the following options: 1) Conducting traffic engineering analyses, preparing reports, or reviewing plans on striping, pavement marking, street and intersection capacity, parking, signing, traffic surveys, traffic safety, or traffic control work zones; 2) Transportation plan review of subdivision maps, state highway plans, environmental impact reports, community plans, public improvement plans, or other plans or documents; 3) Travel forecasting and transportation planning analyses which include network analysis and the use of transportation planning software (e.g., TRANSPLAN/TRANSCAD or equivalent transportation modeling software) to analyze future transportation system needs; or 4) Traffic signal or street light planning, design, operations, and inspections, including signal timing diagrams and schedules.