**CLASS SPECIFICATION**

**SAN DIEGO CITY CIVIL SERVICE COMMISSION**

**<u>PRINCIPAL TRAFFIC ENGINEERING AIDE – 1730</u>**

**<u>DEFINITION:</u>**

Under general supervision, to perform routine transportation planning or traffic engineering design or investigation; to perform traffic signal operation analyses; may supervise the collection of traffic data; and to perform related work.

**\* <u>EXAMPLES OF DUTIES</u>:**

- Conducts routine traffic investigations of traffic improvement requests such as curb markings, speed zones, site restrictions, and time limit parking;
- Reviews traffic control plans and subdivision plans;
- Investigates and recommends traffic signal timing, traffic striping, signs, markings, and the location of sensors and directional signs;
- Produces complex engineering drawings using traditional and computerized drafting methods;
- Conducts traffic flow and capacity studies;
- Evaluates requests for the installation of traffic signals and directional markings;
- Designs striping plans and traffic analysis zone systems;
- Coordinates striping work orders with departments;
- Performs trip generation analysis and provides forecasting data to the public;
- Performs screen check reviews of traffic impact studies;
- Organizes input data for travel forecasting computer programs;
- Reviews and approves routine construction detour and barricade plans effecting public rights-of-way;
- Recommends the placement of traffic signs, crosswalks, and other traffic control devices;
- Performs traffic signalization analysis and prepares routine traffic signal timing schedules;
- Supervises and coordinates speed studies, parking studies, accidents, and the collection of traffic count data;
- Responds to field emergencies to design or modify traffic control plans;
- Responds to route slips and inquiries from the public;
- Compiles and summarizes data for court interrogatories;
- Testifies at depositions and in court;
- Attends community meetings;
- Conducts traffic flow, capacity, and speed studies;
- Maintains traffic records;
- Prepares reports;
- May supervise the work of subordinate subprofessional personnel.

**\* 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.

**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.

Two years of full-time experience as a Senior Engineering Aide with the City of San Diego, which must include one year of full-time subprofessional traffic engineering experience; **OR** four years of full-time subprofessional engineering experience, including one year of full-time subprofessional traffic engineering experience; **OR** Bachelor's Degree in Traffic, Civil, or Electrical Engineering, or a closely related engineering field; **OR** Engineer-in-Training (EIT) Certificate issued from a state licensing board.