

ENGINEERING TECHNICIAN – TRAFFIC

Definition

Under general supervision, to perform complex engineering drafting and related technical work in a wide variety of public works projects; to perform subprofessional traffic engineering tasks; to occasionally act as a member of a survey party; and to do related technical tasks as required.

Examples of Duties

Duties may include, but are not limited to, the following: performs difficult drafting on AutoCAD and in ink and pencil including preparation of construction drawings for streets, traffic signals, channelization improvements and other public works projects complete with plans, specifications and estimates; prepares visual aid exhibits; maintains City maps; performs various analyses with traffic software programs; operates blueprint machine; responds to investigation requests from citizens; answers questions from the public; determines location and supervises installation of traffic control devices; collects various traffic data; maintains continuing traffic counting program; makes traffic turning movement studies; prepares accident diagrams, prepares speed surveys for speed limit studies; prepares work orders; checks traffic signal timing; assists traffic signal technician; prepares traffic signal timing and coordination plans; may act as rodperson on a survey party performing topographic, property and construction surveys; prepares sketches and makes calculations related to foregoing assignments; may be called upon to perform Design Engineering Technician duties in that person's absence.

Employment Standards

Experience and Education

Any combination equivalent to experience and education that likely provides the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Any combination equivalent to graduation from high school, including or supplemented by courses in drafting and trigonometry. Education or experience with CADD systems is required.

Experience: Four (4) years of experience in Engineering Drafting with some survey and traffic experience. Education or experience with CADD systems required.

Knowledge and Abilities

Knowledge of: *Engineering* drafting; proper location and conformances of traffic control devices with standard practice; traffic volume and speed equipment.

Ability to: *Understand* and follow oral and written directions; supervise and train others; get along with others and good communication skills.