

JOB TITLE: Transportation Engineer 059

DESCRIPTION OF BASIC FUNCTIONS AND RESPONSIBILITIES

Under general direction, to plan, organize, schedule traffic engineering activities, to perform a wide variety of difficult and complex traffic engineering and other related assignments.

TYPICAL DUTIES

- Conducts or directs complex traffic and parking engineering studies and research projects; develops and prepares short and long range traffic circulation plans in conjunction with other City departments, the County and the State; develops and recommends solutions for traffic or parking related problems.
- Participates in the planning process for traffic-related changes to the City's ordinances or general plan; reviews private and public developments and projects for compliance with traffic laws and regulations and to provide for adequacy and safety of pedestrian and vehicle facilities.
- Plans and develops projects and work programs for the construction, maintenance, and improvement of traffic and parking control systems.
- Prepares or supervises the preparation of engineering designs, drawings, plans, specifications, bids and estimates for construction and maintenance.
- Directs the work of consultants performing traffic-related research, evaluation, planning, design, construction or maintenance.
- Prepares or supervises the preparation of staff reports on traffic and parking related issues for the City Council; makes oral presentations at Council meetings as needed.
- Organizes and conducts public, neighborhood and merchant meetings to obtain input on traffic-related plans and proposals; responds to public inquiries and concerns related to traffic and parking issues.
- Prepares the annual budget proposals for the traffic maintenance, traffic engineering and parking control division; monitors and implements the adopted budget.

- Provides technical advice and guidance to planning and engineering staff, Public Works Director and City Manager on traffic and parking issues.

- Appears in court as an expert witness on traffic matters.

EMPLOYMENT STANDARDS

Possession of:

- a valid California driver's license and a safe driving record.

- registration as a Civil or Traffic Engineer in the State of California

Knowledge of:

- the current principles, practices and techniques of traffic planning and engineering.

- federal and state laws, regulations and standards relating to traffic engineering.

- the principles, techniques and equipment used in the installation, maintenance and operation of traffic signal systems.

- mathematics including geometry, trigonometry, calculus and methods of statistical analysis.

Ability to:

- prepare clear and comprehensive reports on administrative and technical issues.

- present sensitive and technical information to individuals and groups.

- conduct traffic engineering studies and develop appropriate recommendations for action.

- coordinate and manage effectively all aspects of a multi-functional division.

- read, interpret and prepare engineering plans.

- plan, organize, supervise and evaluate the work of other.

- establish and maintain effective working relationships with City staff, public officials, outside agencies and the public.

- interpret, apply and explain laws, regulations, standards,

policies and procedures.

- develop and control operation and construction budgets.

Training and Experience

- Bachelor's degree from an accredited college or university in transportation engineering, civil engineering or a related field, and four (4) years of increasingly responsible professional experience in traffic engineering or traffic planning, including some supervisory responsibility.