



City of Phoenix

TRAFFIC ENGINEER I

JOB CODE 21110

Effective Date: 10/93

DISTINGUISHING FEATURES OF THE CLASS:

The fundamental reason this classification exists is to perform traffic engineering work at the entry professional level. Duties include preparing transportation studies which involve computing and analyzing data gathered from field studies. Assignments also include designing streets, roads, and driveways for the safe control and flow of traffic. With time in class, assignments generally broaden to include public contact on various traffic engineering issues. Work is performed under the supervision of a professional traffic engineer and is reviewed through conferences and evaluation of written reports and plans.

ESSENTIAL FUNCTIONS:

- Assists in the design of streets, roads, and driveways for the safe control and flow of traffic;
- Computes and analyses data gathered from field studies of traffic counts, volume analyses, accident analyses, parking studies, capacity analyses of signalized intersections, neighborhood speed studies, and citizen surveys;
- Performs long-range transportation studies on planning issues, parking, one-way streets, major streets, freeways, bicycle routes and facilities, and air-quality issues;
- Performs general transportation research activities;
- Assists the professional staff in responding to complaints, protests, and concerns from unhappy or irate individuals;
- Demonstrates continuous effort to improve operations, decrease turnaround times, streamline work processes, and work cooperatively and jointly to provide quality seamless customer service.

Required Knowledge, Skills and Abilities:

Knowledge of:

- Current literature and research in the traffic engineering field.

Ability to:



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- Work cooperatively with other City employees and the public.
- Perform skilled professional traffic engineering work under supervision.
- Comprehend and make inferences from written materials in the English language.
- Communicate orally with co-workers, customers, and the public in face-to-face, one-to-one settings and using a telephone.
- Respond verbally to unhappy or irate individuals using tact and diplomacy in order to maintain a positive public image.
- Work safely without presenting a direct threat to self or others.
- Learn to perform professional traffic engineering studies in support of traffic operations, planning, programming, and design.

Additional Requirements:

- Some positions require the use of personal or City vehicles on City business. Individuals must be physically capable of operating the vehicles safely, possess a valid driver's license and have an acceptable driving record. Use of a personal vehicle for City business will be prohibited if the employee is not authorized to drive a City vehicle or if the employee does not have personal insurance coverage.
- Some positions will require the performance of other essential or marginal functions depending upon work assignment, location, or shift.

ACCEPTABLE EXPERIENCE AND TRAINING:

A bachelor's degree in civil engineering, including courses in traffic engineering. Other combinations of experience and education which meet the minimum requirements may be substituted.