TRAFFIC ENGINEERING ANALYST

Purpose:

To actively support and uphold the City's stated mission and values. To perform a variety of professional and technical field and office traffic engineering work.

Supervision Received and Exercised:

Receives direction from the Traffic Engineer or from other supervisory or management staff.

Exercises technical supervision over less experienced staff.

Examples of Duties:

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.

Duties may include, but are not limited to, the following:

- Design signage, striping, and signals for the safe control and flow of traffic; design and draft designs for various streets and other developments; prepare striping and traffic signal plans and specifications.

- Design parking facilities, signage and marking plans, parking lot lighting, and sidewalk and bike path improvements.

- Manage, prepare, and conduct traffic control studies, including traffic signal warrant studies, parking studies, speed limit studies, left-turn warrant and other accident analyses, traffic impact studies, capacity improvement project reviews, and traffic control planning, review and approval; present findings to City staff and/or neighborhood representatives; implement strategies to reduce accidents and improve traffic control.

- Plan, design, and coordinate traffic control and transportation activities for special and major events within the City, including working with event representatives and performing public relations responsibilities for traffic control

during these events; supervise barricading during events; serve as liaison to the City of Tempe Task Force and other traffic related committees.

- Review, evaluate, and approve transportation components of plans for private development and street construction projects.

- Develop and implement the neighborhood traffic management program regarding traffic flows in neighborhoods; work with neighborhood groups and citizens to resolve issues and implement solutions.

- Coordinate transportation projects and programs; prepare Request for Proposals (RFP's); track expenditures; and monitor construction activity.

- Develop traffic and transportation software programs including creation of user interface design, database design, and programming; provide support to users; review and analyze data models and develop plans to acquire and manipulate data information.

- Utilize automated spreadsheet programs and enter related traffic data; produce statistical reports related to traffic counts, signals and other traffic engineering applications; draft plans and diagrams on the computer.

- Respond to requests for information and assistance related to traffic, parking and safety; conduct field traffic studies; compile data and prepare appropriate recommendations and reports.

- Provide information to other departments, divisions, outside agencies and citizens; meet with engineers, architects and developers to resolve problems; prepare news releases for publication.

- Perform related duties as assigned.

Experience and Training Guidelines:

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. The hiring department may include job related experience, training, or license and certification preferences at the time of recruitment. A typical way to obtain the knowledge and abilities would be:

Experience:

Three years of increasingly responsible technical traffic engineering, including the equivalent to one year of full-time computer aided design (CAD) experience.

Training:

Equivalent to an Associate's degree with major course work in traffic engineering, civil engineering, or a related field.

Licenses/Certifications:

May require the possession of a valid driver's license.

This position is included in the City's classified service, pursuant to City of Tempe Personnel Rules and Regulations, Rule 1, Section 103.

Job Code: 307

FLSA: Exempt