

CITY OF GLENDALE

TITLE: Intelligent Transportation Systems Analyst CLASS CODE: 790

REPORTS TO: Intelligent Transportation Systems Manager GRADE: 28

DEPARTMENT: Transportation FLSA: E

JOB SPECIFICATION DATE: July 1, 2005 bwg

JOB SUMMARY:

Develops, updates and monitors traffic signal timing plans. Implements citywide coordination plans using the ~~i2TMC-i2TMS~~ centralized traffic signal system software and computerized Intelligent Transportation System (ITS) infrastructure. Coordinates dissemination of travel information to the public utilizing variable message signs (VMS) and other media.

ESSENTIAL FUNCTIONS:

- 1. Develops and monitors and updates traffic signal timing plans.
2. Implements citywide coordination plans using the centralized traffic signal computer system based on real time traffic patterns.
3. Refines and monitors traffic signal-timing plans based on real time traffic monitoring. Assists emergency services with traffic control by altering traffic signal operations as conditions dictate. Coordinates with other city departments and agencies for efficient flow of traffic during short and long-term events.
4. Regularly evaluates traffic problems utilizing live video images in an effort to maximize the capacity of the City's ITS system.
5. Utilize VMS and other media to communicate traffic conditions to the traveling public.
6. Assist in managing the traffic signal system computer network.
7. Designs and implements responsive and adaptive traffic signal timing networks.
8. Prepares analytical studies and makes verbal and written recommendations to the ITS Manager with regard to innovative changes that will maximize the capacity of the existing ITS system.
9. Assist with engineering specification design and implementation of a variety of ITS technologies.
10. May assist other staff in the repair or design of ITS equipment.

Formatted: Bullets and Numbering

~~Utilize VMS and other media to communicate traffic conditions to the traveling public. Assist in managing the traffic signal system computer network.~~

Formatted

Formatted: Bullets and Numbering

~~5. Prepares analytical studies and makes verbal and written recommendations to the ITS Manager with regard to innovative changes that will maximize the capacity of the existing ITS system.~~

~~6. Assist with engineering specification design and implementation of a variety of ITS technologies.~~

~~7. May assist ITS Technician in the repair or design of ITS equipment.~~

Formatted

SECONDARY FUNCTIONS:

02/24/05

Intelligent Transportation Systems Operator INTELLIGENT TRANSPORTATION SYSTEMS ANALYST

Formatted

11. ~~9~~ Performs other duties as assigned.

02/24/05

Intelligent Transportation Systems  
Operator INTELLIGENT TRANSPORTATION SYSTEMS ANALYST  
Page 24 of 32

Formatted

**KNOWLEDGE, SKILLS, ABILITIES:**

**Knowledge of:**

Theory, principles, practices, materials and equipment of traffic signal operation, traffic flow, telecommunications, fiber optics, closed circuit television s cameras, and all other aspects ITS Professional literature and sources of information for the field of intelligent transportation systems  
The ~~manual~~ Manual on Uniform Traffic Control Devices

**Ability to:**

Effectively identify, plan, organize and carry out necessary repairs to the City’s ITS system  
Analyze findings and prepare recommendations, present written and oral reports  
Ability to communicate effectively both verbally and in written form  
Ability to establish and maintain effective working relationships with City employees, contractors, other government agencies, and the general public  
Exercise considerable initiative and independent judgment  
Provide quality customer service  
Interpret regulations, policies, and guidelines of the City of Glendale and other government agencies  
Conduct field observations, tests, and installations  
Ability to communicate with the general public on ITS and traffic signal issues and be viewed by the public as an expert in these areas

**WORKING CONDITIONS:**

Office setting with a significant amount of field inspections

**MINIMUM QUALIFICATIONS:**

Possession of a ~~Associates~~ Bachelor’s Degree in Electronics, Computer Science, Engineering, or a related field and ~~-~~  
~~Two~~ our years of relevant work experience in ~~,-~~traffic signal systems, ~~with increasing responsibilities in~~ such as Intelligent Transportation Systems, telecommunications, system programming, and/or traffic signal system timing.

Any equivalent combination of training and experience, which provides the required knowledge, skills, and abilities, is qualifying.

**SPECIAL REQUIREMENTS:**

Valid Arizona driver's license