

TRAFFIC ENGINEERING TECHNICIAN

MAJOR FUNCTION

This is a technical position related to traffic engineering practices and traffic control. All functions of the position support maintenance of safety and welfare in functional areas related to roads, signage, pavement markings and signals.

ESSENTIAL FUNCTIONS

The following statements describe the principal functions of this job and its scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including working in other functional areas to cover absences or relief, to equalize peak work periods, or otherwise to balance the work load.

- Sets up mechanical field traffic counters at various locations and retrieves data from counters.
- Conducts turning movement counts by using counting equipment, traffic signalization studies, and radar speed studies by using mobile radar equipment.
- Reviews traffic studies and traffic control plans to ensure compliance with the Manual on Uniform Traffic Control Devices.
- Reviews and inspects sign design and roadway marking installation plans using federal, state, and County specifications as guidelines.
- Investigates complaints regarding traffic operations. Makes recommendations to supervisors for resolution of complaint.
- Inspect and review development plans.
- Maintain the accident index reports program.
- Required to report to work at the appointed hour, as scheduled, and to work the entire assigned schedule.

SECONDARY FUNCTIONS

- Assists with review of Traffic Impact Analyses submitted by developers and consultants.
- Performs other duties as assigned.

CUSTOMER SERVICE

This is a front-line position for providing excellent customer service to members of the general public and other County employees. Personal contact occurs with other employees of the unit, employees of other departments in the County, citizens, and customers of the department. Service is provided in person and by phone contact.

SUPERVISION

Functions as a lead worker for a small group of employees. Provides guidance, advice, and

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assistance to others on work assignments.

EDUCATION, EXPERIENCE, LICENSES, CERTIFICATIONS

Education and Experience

High school diploma or GED equivalency, supplemented by vocational/technical course work in traffic operations, with five (5) years progressively knowledgeable experience in the field.

Licenses

Valid Florida Driver License.

Certifications

Level III Signs/Markings and Level I Signal from the International Municipal Signal Association.
Intermediate Level Maintenance of Traffic Certification from F.D.O.T.

JOB SKILLS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements are representative of the required knowledge, skills, and abilities.

Language Skills

- Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations.
- Ability to write reports, business correspondence, and procedure manuals.
- Ability to effectively present information and respond to questions from managers, clients, customers, and the general public.

Mathematical Skills

- Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry.
- Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

Problem Solving Ability

- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.
- Functions independently as an expert in matters of specialized code, rules, policy, analyses, or technical systems.

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Specialized Skills and Abilities

- Experience in civil or traffic engineering.
- Knowledge of procedures, methods, and practices of conducting traffic engineering studies in connection with traffic control.
- Knowledge of equipment and materials utilized in traffic engineering studies and traffic control.
- Knowledge of inventory methods and record control.
- Knowledge of standards and practices related to roadway signing and marking.
- Ability to prioritize and analyze data.
- Ability to organize work and meet multiple deadlines.
- Ability to remain calm in stressful situations.
- Ability to take a teamwork approach to the job by cooperating with others, offering to help others when needed, and considering larger organization or team goals rather than individual concerns. Includes the ability to build a constructive team spirit where team members are committed to the goals and objectives of the team.

Machines and Equipment

To accomplish the tasks of this position, the employee will be required to operate various traffic counting machines and equipment, a computer and other general office equipment, as well as drive a vehicle.

PHYSICAL DEMANDS

While performing the duties of this job, the employee will occasionally be required to stand, climb, balance, stoop, kneel, crouch, crawl, and lift up to fifty pounds; will regularly be required to walk, sit, reach with hands and arms, and taste or smell; and will frequently be required to use hands to finger, handle, or feel, talk or hear, and lift up to twenty-five pounds. Vision requirements are close, distance, color, and peripheral vision, and depth perception.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee will regularly be exposed to toxic or caustic chemicals; and will frequently be exposed to wet or humid conditions, moving mechanical parts, fumes or airborne particles, and outdoor weather conditions. The typical noise level is moderate.

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