



**BAY COUNTY**  
invites applications for the position of:

## Traffic Operations Engineer

**SALARY:** \$26.32 - \$45.88 Hourly  
\$54,745.60 - \$95,430.40 Annually

**DEPARTMENT:** Traffic Engineering Division

**OPENING DATE:** 04/04/22

**CLOSING DATE:**

**NATURE OF WORK:**

This is highly respected technical professional, and administrative work supporting the management of the Traffic Engineering Division. Technical work involves the design, implementation and operation of the existing regional Intelligent Transportation System (ITS), traffic control signs and signals, street lighting and pavement markings. Duties include coordination of bicycle/pedestrian programs and the review and approval of traffic studies, development order applications, activities and plans affecting traffic safety. Duties also include supervising the collection and analysis of traffic flow data and the programming of traffic signals to facilitate efficient traffic movement and improve traffic safety throughout the County. Work is performed under the supervision of the Traffic Engineering Manager.

### ESSENTIAL FUNCTIONS AND RESPONSIBILITIES:

### MINIMUM QUALIFICATIONS:

- Graduation from an accredited four-year college or university with a degree in Traffic Engineering or Civil Engineering.
- Three (3) years of progressively responsible experience in Public Works, Transportation or Traffic Engineering.
- Must obtain a Professional Engineer Registration in the State of Florida within two (2) years of becoming eligible to do so.
- Must maintain good interpersonal and communication skills to deal with public.
- Must be able to speak, write, and comprehend English language.
- A comparable amount of training and/or experience may be substituted for the minimum qualifications.

### LICENSES AND/OR CERTIFICATIONS:

Possession of or ability to obtain a valid Florida driver license upon offer of employment with a driving record acceptable to the County Driving Policy and insurance program.

### KNOWLEDGE, ABILITIES AND SKILLS:

- Knowledge of modern techniques, methods, procedures, principles and practices of traffic engineering and operations as it applies to Public Works.
- Knowledge of the principles involved in the analysis, design, programming and operation of a computerized traffic signal system.
- Knowledge of the Manual on Uniform Traffic Control Devices, Florida Department of Transportation (FDOT) specifications, the American Association of State Highway and Transportation Officials' Standards, statutes, ordinances and regulations as they apply to traffic control work.
- Knowledge of contractual agreements and procurement methodologies.
- Knowledge of computers, computer systems, fiber optic systems, computer hardware and software and the ability to apply this knowledge in traffic engineering problem solving, evaluation of alternative designs, inventory, cost estimating and related computer enhanced functions.
- Knowledge of the principles and practices of intersection and signalization design.
- Must have good interpersonal and communication skills to deal with public.
- Outstanding project management and organizational skills.
- Excellent oral and written communication skills.
- Expertise in the use of MS Word, Excel, and Outlook is essential.
- Ability to plan and implement projects and prepare related designs, cost estimates and specifications.
- Ability to inspect traffic engineering plans, programs and associated field-related tasks and activities.
- Ability to plan, assign, instruct, review and evaluate work assignments of technical and professional personnel and consultants.
- Ability to establish and maintain effective working relationships with subordinates, superiors, municipal officials, consultants, and the general public.

#### **PHYSICAL REQUIREMENTS/ENVIRONMENTAL CONDITIONS:**

Work is primarily performed in an indoor, climate-controlled environment and is nearly absent from disagreeable elements (e.g., irate customer, extreme noise, heat, odors, heights and/or dust). However, some field work may be occasionally involved for the purpose of conducting field reviews, operational analyses, inspection of work by others, and remaining familiar with field-related interests of the Traffic Engineering Division.

This is primarily office work requiring limited physical effort. This position requires stooping, crouching, walking, pulling, lifting, grasping, hearing, visual acuity (i.e. seeing up close, seeing far away, depth perception), kneeling, reaching, pushing, talking, standing, climbing, finger movement, repetitive motions. Frequent lifting of 10 to 15 pounds; occasional lifting of up to 25 pounds, and may require lifting up to 50 lbs.

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APPLICATIONS MAY BE FILED ONLINE AT:

<http://www.baycountyfl.gov>

Human Resources Department  
840 W. 11th Street  
Panama City, FL 32401  
850-248-8201

[humanresources@baycountyfl.gov](mailto:humanresources@baycountyfl.gov)

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Position #1515  
TRAFFIC OPERATIONS ENGINEER  
MW

#### **Traffic Operations Engineer Supplemental Questionnaire**

- \* 1. Do you possess a 4 year degree in Traffic Engineering or Civil Engineering?  
 Yes    No
  
- \* 2. Do you have three (3) years of progressively responsible experience in Public Works, Transportation or Traffic Engineering?  
 Yes    No
  
- \* 3. Do you have the P.E. license, Florida Professional Engineer (P.E.) registration issued by the State of Florida Board of Professional Engineers (highly desirable)?  
 Yes    No
  
- \* 4. Do you possess the Minimum Qualifications listed in the job posting? If not, please explain your qualifications for this job.
  
- \* Required Question