



STAFF ENGINEER

(STUDIES ENGINEER, TRAFFIC ENGINEERING DIVISION)

SALARY: \$57,549.65 - \$91,849.68 Annually

OPENING DATE: 09/20/18

CLOSING DATE: Continuous

REQUIREMENTS AND PREFERENCES:

The Broward County Board of County Commissioners is seeking qualified candidates for the position of **STAFF ENGINEER (STUDIES ENGINEER)**, Traffic Engineering Division.

THIS JOB ANNOUNCEMENT WILL REMAIN OPEN UNTIL SUFFICIENT APPLICATIONS ARE RECEIVED AND MAY CLOSE AT ANY TIME.

The **Public Works Department, Traffic Engineering Division** provides for the safe and efficient movement of pedestrians, cyclists and vehicular traffic within the County. The Division's main customer base is the public at large, Broward County municipalities, and the business community (e.g. developers, consultants, and contractors).

The **Engineer Intern (Studies Engineer)** position provides a challenging and rewarding opportunity within the Public Works Department, Traffic Engineering Division. Responsibilities include the preparation of traffic studies, the evaluation of traffic control devices, the preparation of signing and pavement marking plans and operational studies such as traffic signal warrant studies, all-way stop control studies and signal phasing studies. Additional study types may include access management studies and safety studies. The position responsibilities will include the preparation and review of maintenance of traffic plans.

This class works under general supervision, independently developing work methods and sequences.

Minimum Education and Experience Requirements:

Requires a Bachelor's degree from an accredited college or university with major coursework in an engineering field related to the area of assignment.

Special Certifications and Licenses:

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Engineer-in-Training (EIT) certification may be required based on area of assignment.

Preferences:

- Master's degree in engineering or closely related field such as traffic engineering
- Engineer-In-Training (EIT)
- Professional Engineering License (P.E.)
- Advanced level Maintenance of Traffic Certification
- At least one year of experience with traffic engineering software such as "Synchro" or "Highway Capacity Software"
- At least one year of experience in preparing and/or reviewing Maintenance of Traffic plans per FDOT standards and specifications
- At least one year of experience conducting field reviews of traffic operating conditions and control devices, analyzing and interpreting traffic study data and preparing formal technical reports and documentation
- At least one year of experience in preparing and/or reviewing signing and pavement marking plans per MUTCD/FDOT standards.

DUTIES AND RESPONSIBILITIES:

The functions listed below are those that represent the majority of the time spent working in this class. Management may assign additional functions related to the type of work of the job as necessary.

Provides engineering support in the design and review of a wide variety of engineering projects.

Collects and processes engineering related data; prepares project scope of work, schedule, and design; performs geographical information system (GIS) analysis, produces maps, and maintains geodatabases.

Reviews application packages for new projects and modifications to existing sites, which include engineering construction plans, calculations, surveys, geo-technical reports, and legal documentation against County and State codes.

Prepares technical review comments and requests additional information from engineers and property owners for revisions to calculations and plans; prepares technical reports with project specific information, license conditions, engineering data, and calculation summaries.

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Reviews engineering construction certifications and surveyed plans for compliance with County and State codes; performs site inspections for construction compliance and identify deficiencies in inspection reports.

Communicates with developers, attorneys, engineers, banks, and the general public for the purpose of reviewing construction plans and specifications and the issuance of permits; performs research to respond to queries and complaints.

Reviews permit applications and contractor licenses for accuracy and validity; upon determination that the information is accurate, enters into the County's database and construction permits are thereafter issued.

May review plans for compliance with County and Florida Department Of Transportation (FDOT) standards and specifications.

Performs related work as assigned.

WORK ENVIRONMENT:

Physical Demands

Physical demands refer to the requirements for physical exertion and coordination of limb and body movement.

Performs sedentary work that involves walking or standing some of the time and involves exerting up to 10 pounds of force on a regular and recurring basis or sustained keyboard operations.

Unavoidable Hazards (Work Environment)

Unavoidable hazards refer to the job conditions that may lead to injury or health hazards even though precautions have been taken.

Involves routine and frequent exposure to extreme heat and/or cold; wet or humid conditions.

SPECIAL INFORMATION:

Americans with Disabilities Act (ADA) Compliance:

Broward County is an Equal Opportunity Employer. The ADA requires Broward County to provide reasonable accommodations to qualified persons with disabilities. Prospective and current employees are encouraged to discuss ADA accommodations with management.

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Emergency Management Responsibilities:

Note: During emergency conditions, all County employees are automatically considered emergency service workers. County employees are subject to being called to work in the event of a disaster, such as a hurricane, or other emergency situation and are expected to perform emergency service duties, as assigned.

County-wide Employee Responsibilities:

All Broward County employees must serve the public and fellow employees with honesty and integrity in full accord with the letter and spirit of Broward County's Employee Code of Ethics, gift, and conflict of interest policies.

All Broward County employees must establish and maintain effective working relationships with the general public, co-workers, elected and appointed officials and members of diverse cultural and linguistic backgrounds, regardless of race, color, religion, sex, national origin, age, disability, marital status, political affiliation, familial status, sexual orientation, pregnancy, or gender identity and expression.

BROWARD COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER AND PROVIDER OF SERVICES

APPLICATIONS MAY BE FILED ONLINE AT <http://www.broward.org/careers>

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