



LICENSED ENGINEER - STUDIES ENGINEER

SALARY: \$71,493.97 - \$114,104.02 Annually

OPENING DATE: 10/25/18

CLOSING DATE: Continuous

REQUIREMENTS AND PREFERENCES:

The Broward County Board of County Commissioners is seeking qualified candidates for the position of Licensed Engineer (Studies Engineer). THIS JOB ANNOUNCEMENT WILL REMAIN OPEN UNTIL SUFFICIENT APPLICATIONS ARE RECEIVED AND MAY CLOSE AT ANY TIME.

The Traffic Studies Section of the Traffic Engineering Division conducts traffic studies and investigations to improve safety and traffic circulation for the motoring public. Various types of traffic data are collected and analyzed in the performance of these studies and are available to the public. These include turning movement counts, traffic volume counts, delay studies, speed studies and crash studies analyses. Additionally, this section reviews and approves *Maintenance of Traffic* plans.

The successful candidate will be responsible for performing wide range of activities including, but not limited to the following: (1) preparing operational studies, such as traffic signal warrant studies, all-way stop control studies, left-turn phasing studies; (2) preparing and reviewing signing and pavement marking plans; (3) safety studies, access management studies; (4) reviewing maintenance of traffic plans; (5) field reviews and inspections.

The incumbent will review and perform quality assurance and quality control for traffic studies and field reviews developed by subordinate engineers and technicians. The successful candidate should be very familiar with the Manual on Uniform Traffic Control Devices. The Licensed Engineer will coordinate study efforts with other County agencies, municipalities, other transportation agencies, such as FDOT, MPO and Broward County Transit.



Join our TEAM! Apply today at <http://www.broward.org/careers>



General Description

Advanced professional and supervisory engineering work in the design and review of a wide variety of engineering and environmental projects.

Works independently, under limited supervision, reporting major activities through periodic meetings.

Minimum Education and Experience Requirements:

Requires a Bachelor's degree from an accredited college or university with major coursework in civil engineering or closely related field.

Requires four (4) years progressively responsible experience in professional engineering work appropriate to the area of assignment including six (6) months of lead work/supervisory experience.

Special Certifications and Licenses:

Possess and maintain Professional Engineer License in State of Florida for duration of assignment.

Preferences:

- Master's degree in Civil Engineering;
- Professional Traffic Operations Engineer (P.T.O.E.);
- At least 4 years of experience preparing operational traffic studies (i.e. all-way stop-control, signal warrant and left-turn phasing);
- At least 4 years of experience reviewing maintenance of traffic plans;
- At least 4 years of experience working knowledge of traffic signal analysis packages such as Synchro, HCS.

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.

Prepares plans and technical specifications for construction bid; works with Purchasing to develop contracts, reviews and edits documents; attends pre bid and pre construction meetings; reviews all complete bids for construction award.

Performs in depth technical review of construction plans in various submittal stages; reviews plans for concurrence with agreed upon design requirements, and constructability; works with other County public works agencies to maintain and update design and equipment standards; performs general communication, decision making and coordination with a multitude of professionals within these projects.

Join our TEAM! Apply today at <http://www.broward.org/careers>



Manages construction contracts including procurement, cost accounting, schedules, and construction engineering inspections; manages engineering consultants, conducts negotiations, supervises preparation of scope and fees, provides oversight of consultant design services and approve invoices.

Reviews customer construction plans for dewatering determination; conducts quality assurance and quality control reviews of internal design projects.

Enters data and uploads documents in the Broward County and Florida State computer systems to track contaminated site cleanup status; maintains oversight and control of assigned cleanup projects, site inspections, and enforcement related activities to ensure compliance with regulations.

Trains and assists in resolving complex Air Permitting issues; schedules, assigns and supervises engineering projects prepared by consultants; supervises the Design Section staff's day-to-day activities.

Supervises and participates in the studies and reports prepared by engineering consultants; participates in negotiation with consultants and contractors; conducts meetings with consultants, contractors, staff and other stakeholders.

Coordinates the process of bidding, contract development, exchange of information, and surveys.

Reviews environmental assessment reports and remedial action designs and reports, construction and dewatering plans and updates databases to reflect these activities; prepares and reviews paperwork for issuance of order for own/others projects.

Provides training, peer review, technical support (including review/approval of technical designs) of documents/correspondence for team members; attends internal/external meetings related to own and team members' projects.

Maintains contact with State of Florida personnel, consultants and responsible parties including meetings and telephone conversations.

Performs site inspections for own projects and for team member projects that require Professional Engineer review; reviews contractor submittals for compliance with contract documents. Responds to contractor requests for information.

Provides technical direction or supervision to junior engineers, engineering or computer-aided design (CAD) technicians and other technical personnel; prepares PS&E (plans, specifications and estimates) documents for design of County facilities.

Performs related work as assigned.

Join our TEAM! Apply today at <http://www.broward.org/careers>



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 traffic; moving machinery.

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.

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>

Join our TEAM! Apply today at <http://www.broward.org/careers>