



ENGINEERING TECHNICIAN (STUDIES TECHNICIAN)

SALARY: \$19.27 - \$30.75 Hourly

OPENING DATE: 11/01/18

CLOSING DATE: Continuous

REQUIREMENTS AND PREFERENCES:

The Broward County Board of County Commissioners is seeking qualified candidates for the position of **ENGINEERING TECHNICIAN (STUDIES TECHNICIAN)**

THIS ANNOUNCEMENT WILL REMAIN OPEN UNTIL A SUFFICIENT NUMBER OF APPLICATIONS ARE RECEIVED.



The **ENGINEERING TECHNICIAN (STUDIES TECHNICIAN)** position provides a challenging and rewarding opportunity within the Public Works Department, Traffic Engineering Division. Some of the responsibilities include the preparation of traffic operation studies, field reviews, sight distance reviews, feasibility studies, access management studies, safety reviews and the design and preparation of signing, signalization and pavement marking plans; maintenance of traffic plan reviews. The position requires working in a team environment with ability to adapt to new technologies.

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 and the Broward County business community (e.g. developers, consultants, and contractors).

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General Description

The purpose of this class within the organization is to perform advanced technical work assisting in the review of plans and designs and field work related to analysis and observation of engineering projects.

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

Minimum Education and Experience Requirements:

Requires two (2) years of technical engineering experience.

Special Certifications and Licenses:

None.

Preferences:

- At least one year of experience conducting field reviews of traffic operating conditions and control devices, analyzing and interpreting traffic study warrant data and preparing formal technical reports and documentation
- At least one year of experience with traffic engineering software such as "Synchro" or "Highway Capacity Software"
- At least one year of experience in roadway design and/or inspection of roadway work that includes preparation of signing and marking plans and/or the inspection of signs and/or pavement markings
- Advanced level of Maintenance of Traffic certification
- AA or AS in Engineering Technology and /OR
- BS in Civil Engineering
- Engineer-In-Training certificate

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.

Performs basic engineering design work and drafts plans for various county projects; prepares estimates for designs; reviews construction progress on major projects being built by the County, consulting engineers or outside developers; recommend payment for work performed in accordance with contract.

Reviews and analyzes plans and design specifications with professional engineers, contractors, project managers and other interested parties; assists in the amendment and preparation of final plans and designs for a variety of county projects; tabulates quantities and cost estimates; sets preliminary and final grades; calculates cut and fill.

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Conducts inspections for compliance with plats, recommended corrective actions, plan layouts and impact on right of way plans; reviews applications and issues permits in conformance with County regulations and standards; calculates fees; assists in the processing and recordation of plats.

Assists in gathering data pertaining to the specific area of assignment; provides assistance in the analysis and interpretation of data; prepares verbal and written reports based on analysis and findings.

Plans, assigns, and reviews the activities of subordinate technical personnel involved in drafting or data collection activities; provides technical assistance and advice on difficult and unusual problems when necessary; analyzes and reviews completed work for accuracy and design application.

Provides information to the general public relative to engineering data maintained by the County.

Supervises and reviews the work performed by subordinate technical personnel.

Prepares technical specifications for the purchase of materials and equipment used in diversified projects; performs special investigations and field studies of technical and engineering operations; reviews and approves permit applications in conformance with County regulations and standards.

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 light work that involves walking or standing most of the time and involves exerting up to 20 pounds of force on a regular and recurring basis, or skill, adeptness and speed in the use of fingers, hands or limbs on repetitive operation of electronic office equipment or tools within moderate tolerances or limits of accuracy.

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>

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