

# ENGINEERING TECHNICIAN

Job Code	Pay Grade
16710	CL14

## Nature of Work

This is independent technical field and administrative work that may include assignments and responsibility to monitor and oversee different facets of standard public works or engineering activities. Employees in this class are responsible for a wide variety of activities, operations, preparing plans, specifications and cost estimates for roadway, parks, water, sewer or drainage projects. This position may also perform or complete transportation systems operator duties or traffic related studies. Work requires the exercise of independent judgment in resolving routine situations, but problems of a difficult or complex technical nature are referred to professional supervisors. The position reports to a manager, supervisor or designee.

## Minimum Qualification Requirements

- 3 years of technical experience in civil engineering, construction engineering, traffic engineering, or public works; or
- An equivalent combination of education, training and/or experience.

## Appointing Authority May Also Require

- Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Candidate to possess prior job tenure and experience from within the same unit or assignments in the same line of work.
- Candidate to demonstrate more advanced proficiency, competency, and satisfactory completion of regularly assigned work in an independent manner. Appointing Authority retains discretion to employ an incumbent at this level or advance the incumbent non-competitively or competitively, after a candidate meets the minimum qualifications to an in-line career ladder position (such as, to a nonsupervisory technical or nonsupervisory specialist position in the same unit assigned in the same line-of-work) within the same organization or department.
- Other highly desirable knowledge, skills, abilities, and credentials relevant to a position.

## Illustrative Tasks (These are examples and are not all inclusive.)

- Executes or assists in the preparation of plans, drawings and specifications for a variety of public works, parks and utilities projects.
- Performs or assists in preliminary layouts and drawings, using engineering criteria, survey notes and basic instructions.
- Prepares contract documents and technical specifications and prepares cost and material estimates for public works, parks and utilities projects.
- Initiates engineering work orders and permits, researches right-of-way vacating and provides back up to field personnel as needed.
- Performs routine to moderately complex engineering analysis and prepares technical reports.
- Reviews construction plans for estimating impact or other necessary fees.
- Obtains, analyzes, summarizes, and maintains transportation systems data and records independently under broad guidelines.
- Monitors the Automated Transportation Management System (ATMS) software programs to identify traffic signal detection problems or signal operation issues and handle or report to appropriate unit for response.
- May provide information and services to utility system users.
- May perform information processing related duties including the use of available statistical packages or programs, encoding data, data entry and retrieval and routine information terminal operations and programming/reprogramming.
- Performs related work as assigned or required.

## ENGINEERING TECHNICIAN (continued)

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### Knowledge, Skills, and Abilities

- Knowledge of principles, practices, techniques and instruments of engineering, drafting and survey.
- Knowledge of construction specifications, plans and regulations relating to public works, parks and utilities construction contracts.
- Knowledge of some advanced mathematics and mathematical applications to engineering computations.
- Knowledge of principles of civil engineering as related to surveying, drafting, simple to moderately complex design procedures and engineering investigations.
- Knowledge of county arterial road network.
- Ability to communicate well with the public and effectively relate technical information to co-workers and superiors.
- Knowledge of the principles and procedures required to report trouble calls and manage traffic events.
- Ability to identify, analyze, and relay ITS/ATMS technical and administrative problems to repair staff and superiors.
- Skilled in the reading and interpretation of civil or construction blueprints and plans.
- Ability to perform technical computations and analyze engineering drawings.
- Ability to supervise small technical groups as a lead worker.

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Revised	EEOC Code	Overtime Code
9/13	Technicians	Classified