


Job Title Sr Engineering Technician – Traffic Engineering Division
Location Traffic Engineering
Regular/Temporary Regular

Job ID 29664
Full/Part Time
Favorite Job 

Overview

This key position is responsible for technical assignments in partnership with engineers and requires considerable knowledge of engineering technology as it relates to County development and capital projects.

This is advanced technical work, which may include field investigation, preliminary or final design and construction of County projects and development review duties.

An employee in a position allocated to this class applies specialized skills and knowledge to County projects in relation to the design, construction, checking of engineering computations and preparation of plans and specifications.

Work is performed under the supervision of a staff engineer or other division official and is reviewed through results achieved.

Representative Duties

Duties may vary based on area of assignment. The following are representative duties, it is not the intent to capture all duties performed by this classification.

Public Works Traffic Engineering:

- Prepare drawings, work orders of proposed control devices, such as signs, pavement markings, etc. using drafting instruments or computer automated drafting equipment.
- Prepare graphs, charts, diagrams, spreadsheets and other aids in order to illustrate observations and conclusions.
- Collect and analyze data related to traffic flow, accident rate data, and proposed development in order to assist Traffic Engineers to determine the most efficient methods to expedite traffic flow or improve safety.
- Gather and compile data from hand count sheets, machine count tapes, and radar speed checks, and code data for computer input.
- Lay out or assist in lay out of pavement markings for striping crews.
- Maintain, clean and make minor adjustments and field repairs to equipment used in engineering, including the replacement of parts on traffic data gathering devices.
- Measure and record the speed of vehicular traffic, using electrical timing devices or radar equipment.
- Operate counters and record data in order to assess the volume, type, and movement of vehicular and pedestrian traffic at specified times.
- Place and secure automatic counters and retrieve after counting periods end or assist same depending on level.
- Observe and report factors affecting traffic conditions, such as lighting, sign and marking visibility, in order to assess their effectiveness.
- Familiar with and ability to determine elevations and slopes utilizing tools common to civil engineering.
- Interact with the public in order to answer traffic-related questions, respond to complaints and requests, or to discuss traffic control ordinances, plans, policies, and procedures.
- Thorough knowledge of Manual on Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation (FDOT) Standard Plans.

- Supervise groups of employees engaged in moderately complex tasks.
- Serve as a technical assistant under direction of an engineer, project manager, or assistant project manager.
- Provides technical and complex on the job training to subordinate Engineering Technician's in assigned division.
- Maintain timely and accurate documents and inventories to include requisitions, work orders, vendor invoices, digital photographs, and other operational related forms and documents.
- Investigate complaints, conduct field inspections of sites and prepare report of findings and make appropriate recommendations.
- Research and interpret industry regulations and standards to determine applicability to each project and make recommendations.
- Provide field inspection and ensure compliance; provide direction to employees/contractors based on findings of compliance or non-compliance.
- Prepare various types of complex plans, reports, sketches, and presentations.
- Perform a broad variety of highly skilled, complex, and difficult assignments of a responsible nature requiring the exercise of considerable independent judgment and knowledge.
- Prepare complex work orders for field personnel.
- Performs advanced technical work, which may include field investigation, preliminary or final design and construction of County projects.
- Assists the Chief Engineer/Senior Engineer/or Engineers.
- Supervises engineering technicians in the performance of their duties
- Performs related work as required

Minimum Qualifications

High school diploma or equivalent and six years of progressively responsible experience in the area of assignment. College level education with major course work in engineering, architecture, construction, business administration, pre-law or other related field may be substituted for the required experience on a year-for-year basis.

Preferences

Knowledge of construction specifications and the ability to read and interpret blueprints.

Application Deadline

Posting Date: 7/12/2022

Closing Date: 7/28/2022

(Posting is subject to close without prior notice)

Salary

\$22.92 - \$37.20 hourly

Veterans Preference

If you are claiming Veterans' Preference, you are responsible for providing the required eligibility documentation by the close date of the posting. Please submit a cover letter and copies of documents, not originals, to Orange County Human Resources Division, PO Box 1393, Orlando, FL 32801-1393 or fax to (407) 836-0098 (only Veterans' Preference documentation will be accepted by fax). Your cover letter should include the posting number you are applying for, the title of the position and the last 4 digits of your social security number.

Educational Requirements

If your education was obtained in the United States, the County recognizes degrees or diplomas which are accredited by an agency recognized by the United States Department of Education (USDE) or the Council for Higher Education Accreditation (CHEA). If you have obtained education from a country other than the United States, your degree or diploma must be evaluated to determine the United States equivalency by a member of the National Association of Credential Evaluation Service (NACES) or the Association of International Credentials Evaluations (AICE) at your expense.