



# Senior Engineering Technician

Class Code:  
3144

Bargaining Unit: Non-Bargaining

ALACHUA COUNTY

Revision Date: Dec 3, 2018

## SALARY RANGE

\$20.53 - \$31.89 Hourly  
\$1,642.24 - \$2,551.05 Biweekly  
\$42,698.24 - \$66,327.25 Annually

### CLASS CONCEPT:

This is highly advanced technical and supervisory work in all phases of roadway engineering, design and construction.

This is an emergency essential classification. Upon declaration of a disaster and/or emergency, all employees in this classification are required to work.

An employee assigned to this classification performs highly complex technical assignments in field surveying, construction layout and engineering inspections/testing; performs and checks engineering computations; prepares and reviews construction plans and legal descriptions. Work may include supervising and reviewing the work of field personnel engaged in gathering basic traffic and roadway sufficiency data or related work.

Work is performed under the direction of a higher level supervisor and is reviewed through conferences, reports, and observation of results obtained.

### EXAMPLES OF DUTIES:

#### ESSENTIAL JOB FUNCTIONS

Exudes a positive customer service focus.

Advocates building organizational culture through aligning decisions with core values including: integrity, honesty, respect, diversity, innovation, accountability and communication.

Supervises and coordinates the activities of subordinate employees including determining work procedures and schedules; issuing instructions and assigning duties; reviewing work; recommending personnel actions; conducting performance reviews; and conducting departmental training and orientation.

Supervises construction surveying parties.

Supervises and/or assists in the gathering of basic traffic and roadway sufficiency data.

Serves as technical assistant to higher level supervisors.

Responsible for the maintenance of the Work Management and Pavement Management Programs.

Performs material/construction acceptance testing on County road projects.

Assists with the upkeep of the roadway inventory data.

Performs inspections of roadway and drainage construction.

Responds to citizen requests for flood zone information and assistance with drainage problems.

Uses computer assisted engineering and design software and equipment to prepare engineering and design documents.

Coordinates the Adopt-a-County Road and Adopt-a-County Median programs.

Occasional supervision of small projects.

Performs the duties listed, as well as those assigned, with professionalism and a sense of urgency.

NOTE: These examples are intended only as illustrations of the various kinds of work performed in positions allocated to this class. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

#### KNOWLEDGE, SKILLS AND ABILITIES

Considerable knowledge and ability in the application of principles and practices of engineering road design and construction, including use of tools and equipment.

Skill in learning and using computers.

Skill in calculating complicated areas, volumes, vertical and horizontal curves, other computations for engineering and/or surveying methods and practices.

Skill in using trigonometric tables, solving triangles and applying fairly complicated math.

Ability to understand standard specifications as they apply to an assigned project.

Ability to write legal descriptions from deeds and easements.

Ability to formulate and implement effective and efficient plans and designs.

Ability to write reports and maintain files.

Ability to effectively supervise and coordinate the activities of subordinate employees.

**PHYSICAL DEMANDS:** The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently required to stand; walk; sit; talk or hear; and use hands to finger, handle, or feel. The employee is occasionally required to stoop, kneel, crouch, or crawl, and reach with hands and arms.

The employee must occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

**WORK ENVIRONMENT:** The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently exposed to outdoor weather conditions. The employee occasionally works near moving mechanical parts and is occasionally exposed to risk of electrical shock and may be required to operate equipment containing low level radioactive materials.

The noise level in the work environment is usually moderate. However, field assignments range from moderately noisy to very loud.

### **MINIMUM QUALIFICATIONS:**

Graduation from high school or equivalent and four years roadway construction or design work experience; or any equivalent combination of related training and experience.

A valid Florida Driver License is required and a Motor Vehicle Record that meets the requirements of Alachua County policy # 6-7; Motor Vehicle Records will be reviewed prior to employment. If in the past 24-month period, the record shows more than 3 moving traffic violations, and/or a conviction/pending charge for driving under the influence, the minimum qualifications are not met for the position. Requires successful completion of a criminal history background investigation prior to employment.

Applicants within six months of meeting the education/experience requirement may be considered for trainee status.