

ENGINEERING TECHNICIAN III

NATURE AND VARIETY OF WORK

This is senior level para-professional engineering work performed in the field or office, where the application of engineering skill is applied. Incumbents assist higher level para-professional or professional engineering positions by performing the more difficult skilled and technical work in support of County-wide engineering and planning projects. Incumbents perform the most complex engineering assignments alone or as a member of a team. Assignments afford opportunities for considerable independent judgment and technical evaluation under the general supervision of a higher level engineering position.

EXAMPLES OF WORK (ILLUSTRATIVE ONLY)

Collects, compiles and analyzes engineering data in order to make recommendations to supervisor and complete assigned studies.

Performs mathematical computations in order to tabulate engineering data collected or compiled in the office or field.

Prepares plans and drawings and reviews consultant plans for accurate use of County standards, using field notes or sketches.

Assembles specifications into final form for projects designed in-house and reviews same for consultant projects.

Maintains accurate, complete and retrievable data/statistics/documentation/logs for inclusion in reports, or to provide information as requested, using a knowledge of record maintenance.

Responds to inquiries and complaints from County residents, businesses, consultants and other agencies concerning engineering projects/activities either orally or in writing.

Coordinates responses from utility companies and agencies concerning their facilities and forwards to appropriate project manager (in-house and consultant).

Assists engineers and higher level technicians in the preparation of project cost estimates by computing quantities and researching the most applicable unit prices and reviews same for

consultant projects.

May lead subordinate level para-professional engineering positions.

May be required to use automated equipment in conjunction with assigned duties and responsibilities.

Willingly and cooperatively performs tasks and duties which may not be specifically listed in the class specification or position description, but which are within the general occupational category and responsibility level typically associated with the employee's class of work.

REQUIRED KNOWLEDGES, SKILLS AND ABILITIES

Considerable knowledge of basic engineering concepts, principles, practices and techniques.

Considerable knowledge of mathematics including algebra, geometry/trigonometry.

Ability to accurately read, interpret and prepare plans, maps and specifications.

Ability to compile and analyze technical data.

Ability to communicate orally and in writing.

Ability to follow oral and written instructions.

Ability to maintain records, logs and files.

MINIMUM QUALIFICATIONS

Graduation from high school or GED, supplemented by college level courses in higher mathematics (algebra, trigonometry, geometry) and civil engineering, plus four (4) years of para-professional engineering experience; or an equivalent combination of education and experience.

CONDITIONS OF EMPLOYMENT

Good physical condition.

Possession of a valid driver's license.

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