

LINN COUNTY CLASSIFICATION

TITLE: ENGINEERING TECHNICIAN 1
NUMBER: 270
PAY RANGE: 12
CATEGORY: OPEU

APPROVAL ORDER
NUMBER: 2000-345
DATE: June 28,2000

GENERAL STATEMENT OF DUTIES/JOB OBJECTIVES: Performs sub-professional engineering work of a non-complex nature pertaining to the investigation, location, design, construction and inspection of projects.

SUPERVISION RECEIVED: Works under the supervision of the County Engineer who assigns and reviews work for conformance to standards and instructions.

SUPERVISION EXERCISED: Supervision of employees is not a normal responsibility of positions in this classification, but an incumbent may assist in the job orientation of new personnel.

ESSENTIAL FUNCTIONS: A person employed in this classification must possess the capability to perform the following duties to be considered for this position. The duties are essential functions requiring the critical skills and expertise needed to meet job objectives. Additional specific details of these essential functions may be provided by the specific office or department job announcement, if applicable.

1. Assist in the preparation of plans for non-complex projects; determine land areas for acquisition of right-of-way; compute quantities for contracts; assist in the preparation of construction specifications.
2. Inspect road and bridge construction projects, including grading, drainage and paving; insure compliance with contract specifications.
3. Inspect construction materials used for maintenance and construction of roads.
4. Study traffic volumes and speeds for design purposes.
5. Develop computer generated spreadsheets and reports.
6. Assist with location and construction surveys for road and bridge projects; measure County stockpiles for contract payment.
7. Inventory roads; review utility permits and inspect permitted activity; check other's work for errors.
8. Develop and maintain effective, harmonious and reasonable work relationships with others.
9. Maintain regular and predictable work attendance.

OTHER FUNCTIONS:

10. Other duties as assigned.

RECRUITING REQUIREMENTS: (Additional specific details may be provided by the specific office or department job announcement, if applicable).

KNOWLEDGE, SKILL AND ABILITY: Considerable knowledge of mathematics including trigonometry and its application to engineering problems. Reasonable knowledge of the modern techniques, equipment, methods and practices and materials commonly involved in the location, design, drafting, and inspection of engineering projects. Knowledge of property mapping systems. Knowledge of drafting principles, practices and methods. Knowledge of computer operation related to office software.

Ability to use specialized office, field, and material testing equipment. Ability to assist in the preparation of engineering plans and specifications. Ability to gather and correlate data from various sources and to produce a final product. Ability to use computer software including spreadsheets and word processing programs as well as computer aided design software. Ability to communicate effectively, both orally and in writing. Ability to establish and maintain effective working relationships with contractors, employees and the general public.

EXPERIENCE, EDUCATION AND TRAINING: Two years of varied and progressively responsible technical experience directly related to engineering or graduation from a two-year college with an Associate Degree in Engineering Technology; or any satisfactory equivalent combination of experience, education and training that insures the ability to perform the work described.

NECESSARY SPECIAL QUALIFICATIONS: Possession of a valid Oregon Motor Vehicle Operator's License and an acceptable driving record.

PHYSICAL DEMANDS AND WORK ENVIRONMENT: Work is performed in an office environment and outside at field work sites in all weather conditions. The work requirements include the ability to see, talk and hear, sit and stand, walk, bend and stoop, drive a motor vehicle, handle or operate objects, tools or controls, and reach with hands and arms. Must be able to lift and carry up to fifty (50) pounds.