

LINN COUNTY CLASSIFICATION

TITLE: ENGINEERING TECHNICIAN 2
NUMBER: 271
PAY RANGE: 14
CATEGORY: OPEU

APPROVAL ORDER
NUMBER: 2000-346
DATE: June 28, 2000

GENERAL STATEMENT OF DUTIES/JOB OBJECTIVES: Performs sub-professional engineering work of a non-complex to moderately 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. Prepare plans for non-complex to moderately complex projects; determine land areas for acquisition of right-of-way; compute quantities for contracts; prepare 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. Prepare speed study report for speed reduction applications.
5. Assist in the inspection of bridges for structural integrity and routine maintenance.
6. Initiate, review and incorporate 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 the design and construction of road projects.

Ability to use specialized office, field, and material testing equipment. Ability to prepare engineering plans and specifications. Ability to gather and correlate data from various sources and to produce a final plan. Ability to use road design computer software for non-complex to moderately complex projects. 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: Three years of varied and progressively responsible technical experience at the Engineering Technician 1 level directly related to engineering or graduation from a two-year college with an Associate Degree in Engineering Technology which includes satisfactory completion of the necessary computer skills; or any satisfactory equivalent combination of experience, education and training that insures the ability to perform the work described. (The computer skills requirement may be deferred for the non-graduate category provided that the applicant is currently enrolled in a program to obtain these skills or can obtain the necessary skills within six months of the date of hire.)

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.