

SNOHOMISH COUNTY JOB DESCRIPTION

ENGINEERING TECHNICIAN III-CONSTRUCTION

Spec No. 3049

BASIC FUNCTION

Performs construction inspection to assure conformance with plans and specifications, project documentation, construction surveying, and related technical engineering assignments.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Inspects features of roads, bridges, surface water, solid waste and other public works maintenance and construction projects to assure contractor compliance with project plans, specifications and related documents.
2. Provides information and assistance to the public related to area of assignment.
3. Coordinates materials testing with lab and/or performs materials tests for soils, asphalt, concrete and other materials including identification and chain of custody documentation.
4. Operates transit and level while performing layout and construction surveying including vertical and horizontal location of project features from control, slope staking, topographic and location survey for field design changes, as-built location and confirmation of other surveys on critical features.
5. Prepares inspection reports and project documentation for quantities and pay estimates, quality assurance, and claims avoidance including field notes by drafting and calculating quantities, alignment, grade and locations according to contract documents.
6. Identifies construction problems, determines alternatives, and presents recommendations to project supervisor for resolution.
7. Reads and interprets plans and specifications.

STATEMENT OF OTHER JOB DUTIES

8. May lead the work of lower classified technicians relating to assigned projects or in supervisor's absence.
9. Performs other engineering technical and construction duties and administration as assigned.
10. Works within Engineering Technician III class specification in related groups in the county on temporary assignment basis including survey, design, traffic, bridge, engineering operations, surface water, solid waste and others.
11. May perform all the duties of subordinate level employees.

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STATEMENT OF OTHER JOB DUTIES (Continued)

12. Performs related duties as required.

MINIMUM QUALIFICATIONS

One (1) year of vocational or college courses in civil engineering technology, and two (2) years of related field or office experience in civil or construction engineering; OR, any equivalent combination of education and/or experience that provides the required knowledge and abilities. Must pass job related tests.

SPECIAL REQUIREMENTS

A valid Washington State Driver's License is required for employment.

KNOWLEDGE AND ABILITIES

Knowledge of:

- effective communication skills including styles, listening, negotiating and decision making in interpersonal and team situations
- principles and practices of civil engineering, construction and surveying
- principles, practices, techniques and instruments related to area of assignment including drafting, programmable calculator, computer, transit, level, and chain
- mathematics, algebra, geometry, and trigonometry

Ability to:

- understand and interpret engineering plans and specifications
- use and maintain instruments and equipment used in area of assignment
- communicate effectively both orally and in writing, and be clearly understood in English by the construction group's client group of engineers, contractors, developers and general public, and county staff members
- demonstrate and use engineering and interpersonal judgment commensurate with the work assigned within the responsibility level of this classification
- work both independently and in a team environment
- organize workload
- prepare clear and concise written reports

SUPERVISION

Work is assigned, scheduled, and supervised by a technical or professional supervisor who reviews results to insure adherence to instructions and conformance with established departmental and engineering standards.

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WORKING CONDITIONS

Work is performed in the office or in the field in varying weather conditions. Physical hazard from traffic and construction equipment at the work site may be present. Physical exertion may be required to lift equipment, sample sacks, concrete cylinders and testing equipment weighing up to fifty (50) pounds. Mobility is required for walking over long distances and rough terrain on construction sites. Climbing on ladders and bridge and other structures is required.

Snohomish County is an Equal Employment Opportunity (EEO) employer.
Accommodations for individuals with disabilities are provided upon request.

[EEO policy and ADA notice](#)

Class Established: January 1993
Previous Spec No. 420426
EEO Category: 3 - Technicians
Pay Grade: 237 - Classified Pay Plan
Workers Comp: 1501 Hazardous