

SNOHOMISH COUNTY JOB DESCRIPTION

ENGINEERING TECHNICIAN II-TRAFFIC

Spec No. 3047

BASIC FUNCTION

To perform technical procedures and practices in the collecting and processing of data in the areas of traffic studies, roadway surface evaluations, non-destructive testing, roadway inventory and related technical engineering assignments.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Performs work activities in regard to the inspection, collection of data, and engineering calculations for surface evaluations of roadways, non-destructive testing, roadway inventory and traffic studies. This can include the flagging of traffic to provide safety for other workers.
2. Perform the physical setting of electronic traffic counters on and off the county rights-of-way. Requires placement of traffic control devices.
3. Assists in the collection of traffic related data and in preparing/providing traffic related reports.
4. Performs work activities on computers. This requires data entry, data management, quality checks and reporting of information gathered from surface evaluations of roadways, nondestructive testing, roadway inventory, traffic studies and other assigned activities.
5. Provides general information and assistance to inquiries from county staff and the general public regarding assigned public works projects.

STATEMENT OF OTHER JOB DUTIES

6. May assist in preparation of exhibits, displays, maps and other graphic materials for presentations and publications; does writing or editing, and layout and coordination of printing for reports, pamphlets and newsletters.
7. Performs related duties as required.

MINIMUM QUALIFICATIONS

One (1) year of vocational or college courses in engineering technology, and one (1) year of related field or office experience in traffic engineering; OR, any equivalent combination of education and/or experience which provides the skills, knowledge and ability necessary to perform the work. Must pass job related tests.

SPECIAL REQUIREMENTS

A valid Washington State Driver's License is required for employment. A valid Flagging and Traffic Control card is required within two (2) months of employment.

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KNOWLEDGE AND ABILITIES

Knowledge of:

- principles and practices of engineering
- principles, practices, techniques and instruments related to area of assignment
- mathematics, algebra and trigonometry
- computers, IBM compatible

Ability to:

- interpret engineering plans and specifications
- use and maintain instruments and equipment used in data collection
- communicate effectively with engineers, contractors, developers, staff members and the general public
- work independently; prepare clear and concise written reports

SUPERVISION

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

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.

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: August 1995
Previous Spec No. 421399
EEO Category: 3 - Technicians
Pay Grade: 234 - Classified Pay Plan
Workers Comp: 1501 Hazardous