

# **SNOHOMISH COUNTY JOB DESCRIPTION**

## **ENGINEERING TECHNICIAN III-TRAFFIC**

Spec No. 3055

### **BASIC FUNCTION**

To perform skilled 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, drafting or 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. Performs the physical setting of electronic traffic counters both in and off the County rights-of-way. Requires placement of traffic control devices.
3. Maintains databases of information related to data collection activities.
4. Assists lead worker or supervisor in the organizing of the collection of traffic related data and in preparing/providing traffic related reports.
5. Provides information and responds to inquiries from property owners, county staff and the general public regarding assigned public works projects.
6. Reads and interprets engineering plans and specifications and makes recommendations based on findings.
7. Drafting of sketches, drawings, and/plans for use in inadequate road condition analysis, channelization plans and safety improvement projects. Some drafting may require the use of AutoCAD.

### **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 related duties as required.

### **MINIMUM QUALIFICATIONS**

One (1) year of vocational or college courses in engineering technology; and two (2) years 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.

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### SPECIAL REQUIREMENTS

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

A valid Flagging and Traffic Control card is required within two months of employment.

### KNOWLEDGE AND ABILITIES

Knowledge of:

- principles and practices of engineering
- principles, practices, techniques and instruments related to area of assignment
- mathematics, algebra, geometry and trigonometry
- personal computer and job related software usage: Depending on area of assignment, software may include word processing, spreadsheet, database, AutoCAD, Arc View, or similar

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 and organize workload
- lead, train, and review the work of other employees
- prepare clear and concise written reports
- develop solutions to problems

### SUPERVISION

The 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.

### WORKING CONDITIONS

Work is performed in the office or in the field in varying weather conditions. Physical hazard from traffic at the work site may be present. Physical exertion may be required to lift equipment in excess of 50 lbs.

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

[EEO policy and ADA notice](#)

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Class Established: June 1995  
Previous Spec No. 420458  
Revised: February 2009  
EEO Category: 3 - Technicians  
Pay Grade: 237 - Classified Pay Plan  
Workers Comp: 1501 Hazardous