

SNOHOMISH COUNTY CLASS SPECIFICATION

TRAFFIC ENGINEER

Spec No. 3162

BASIC FUNCTION

To supervise a group of professional and technical employees engaged in traffic engineering and traffic operations activities requiring the application of a broad range of traffic engineering principles and methods.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Plans, organizes and directs the activities of the Traffic Operations Section using acceptable methods of planning and management.
2. Assigns, supervises, and evaluates the work of subordinate employees; advises, assists, and trains subordinates as necessary; participates in the selection of new employees, and makes recommendations regarding the hiring, discipline, transfer, and termination of subordinate employees.
3. Develops and implements the collection and analysis of traffic engineering information such as accident records, traffic volume count programs, speed limits, road classifications, and operational studies and inventories.
4. Supervises the development, implementation, and management of Traffic Operations Section data collection, recording, and monitoring systems such as in inventories, cost accounts, and compliance records.
5. Coordinates operations with other county departments and programs, outside agencies, citizen groups, and the general public, as necessary; provides technical assistance to other Public Work's sections as required.
6. Prepares reports and recommendations to the County Council, various community groups, and outside agencies as necessary; conducts or oversees participation in public hearings to explain program plans and solicit public input.
7. Develops and implements traffic flow and safety programs responsive to public service needs; reviews and analyzes the effectiveness of safety programs; and participates in the development of overall safety policies and procedures.
8. Directs the installation, maintenance, replacement, and removal of traffic signal devices, roadway markings, and traffic control signs; plans and directs field and office studies of traffic control problems to determine effectiveness of devices or need for new control.
9. Advises road maintenance and design/construction divisions on traffic control, geometrics, signing, and illumination; provides advisory assistance and technical guidance on traffic-related matters to interested parties; testifies as expert witness in legal proceedings, as required.

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STATEMENT OF ESSENTIAL JOB DUTIES (continued)

10. Responds to inquires from the public regarding specific problems or issues in area of assignment.
11. Coordinates the section's activities with other sections, departments, and other jurisdictions; coordinates with federal and state agencies to establish and maintain eligibility for system improvement and program development grants.
12. Studies, analyzes, and prepares engineering-related reports as required by state, federal, and local authorities; presents findings orally or in writing to county staff, officials, or other agencies.
13. Recommends modifications to county codes and associated regulations, policies, procedures, and engineering standards.
14. Represents the department before various professional or action committees, public meetings, boards, or councils to provide information regarding section activities or to present departmental plans or projects.
15. Develops, implements, and reviews ongoing programs, policies and procedures, assessing job effectiveness and cost efficiencies.
16. Assists members of the public with difficult or highly complex matters of policy or those requiring technical expertise.

STATEMENT OF OTHER JOB DUTIES

17. Performs related duties as required.

MINIMUM QUALIFICATIONS

A bachelor of science degree in civil engineering or a closely related field; AND, five (5) years of professional experience relating to the duties of the position, including two (2) years of supervisory experience. Work related experience may be substituted for education on the basis of one (1) year of experience equals two (2) years of education. Must pass job related tests.

SPECIAL REQUIREMENTS

Registration as a Professional Engineer (civil) is required.

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

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KNOWLEDGE AND ABILITIES

Knowledge of:

- the principles, concepts, and practices of traffic engineering, including Manual of Uniform Traffic Control Design (MUTCD) and American Association of State Highway and Transportation Officials (AASHTO) standards;
- the principles and practices of civil engineering;
- traffic laws and regulations relating to traffic control, and principles of design for physical facilities for controlling traffic movement; the design, operation, uses, and limitations of electrical traffic control devices;
- highway design and geometrics as they relate to traffic engineering;
- the principles and practices of public sector management, organization, and supervision;
- federal, state, and local laws, rules, and regulations related to the area of assignment; the principles and practices of fiscal control and resource management;
- the literature, trends, and developments in the field of traffic engineering.

Ability to:

- assign, evaluate, and supervise professional, technical, and clerical staff;
- apply and interpret county ordinances, state statutes, and federal regulations and legislation;
- prepare, use, and interpret complex plans, maps, specifications, and reports;
- provide reliable advice and acceptable solutions to difficult engineering problems;
- establish and maintain effective working relationships with elected officials, department heads, associates, subordinates, representatives of other agencies, and with the general public;
- communicate effectively, both orally and in writing;
- speak effectively and convincingly at public meetings and provide testimony at hearings or trials;
- develop work plans, schedules, and budgets;
- analyze and evaluate operations and take effective action to correct deficiencies and resolve problems;
- plan, coordinate, and administer traffic operations activities;
- prepare a variety of correspondence, reports, and other written materials and documents.

PHYSICAL REQUIREMENT

Mobility is required for walking on site visits and field trips. Manual dexterity is required to write reports. Reading is required to review and analyze documents. Speaking is required for giving public presentations.

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SUPERVISION

The employee reports to and receives direction from the Engineering operations Division Director. The employee supervises full time staff and may supervise temporary employees. The work requires considerable independent judgment and discretion in developing and achieving work unit goals and objectives. The work is reviewed through meetings and periodic status reports, and by evaluation of results obtained.

WORKING CONDITIONS

The work is performed in an office environment with frequent field trips to locations throughout the county to make visits, attend meetings, or coordinate work activities. Meetings or project requirements may involve working evenings, weekends, or holidays as necessary.

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: February 1993
Previous Spec No. 420431
EEO Category: 2 – Professionals
Pay Grade: 246 – Classified Pay Plan
Workers Comp: 1501 Hazardous