

SNOHOMISH COUNTY CLASS SPECIFICATION

ENGINEER, TECHNICAL REVIEW

Spec No. 3035

BASIC FUNCTION

To perform professional engineering assignments in design, construction or land development which require expertise in multiple engineering related functions. To act as a resource to engineers on complex projects or manage projects or project components.

STATEMENT OF DUTIES

1. Reviews land development applications to insure that they comply with county regulations and design standards; performs site inspections and reviews technical requirements of projects; recommends the approval or denial of projects and prepares supporting documentation for hearings or meetings.
2. Analyzes major improvements and modifications to public works structures. Reviews specialized design reports and plans, specifications for construction of public works facilities such as roadways and bridges.
3. Reviews engineering design work to ensure proposed designs meet project needs, engineering specifications, and regulatory requirements.
4. Acts as technical resource in the preparation of major planning or design engineering studies by identifying and researching needs and problems in the technical evaluations used to develop recommendations.
5. Acts as a technical resource in engineering to resolve complex design and construction problems within the public right-of-way and provide assistance in correcting related problems on private property.
6. Conducts field trips to inspect project sites during planning and design phases, and during construction for compliance with specifications and plans.
7. Provides technical support and acts as engineering liaison between public works, consulting engineering firms and other governmental agencies; reviews agency documents preparing and presenting comments on behalf of the department.
8. Provides technical assistance, guidance, and training to engineering staff.
9. In the absence of the technical review supervisor assigns, supervises and evaluates the work of subordinate level employees as required; advises, assists and trains subordinate level employees as necessary.
10. Researches and prepares pertinent data and reports for legal counsel for court actions and represents Community Development or County Engineer on matters pertaining to private structures.

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STATEMENT OF ESSENTIAL JOB DUTIES (Continued)

11. Develops recommendations for mitigating measures to reduce or provide for environmental impacts to the county road system.
12. Review field and laboratory investigations required to obtain representative soil information for potential construction sites.
13. Performs related duties as required.

MINIMUM QUALIFICATIONS

A Bachelor of Science degree in civil engineering; PLUS, four (4) years of professional civil engineering experience. Work related experience may be substituted for the required education or training on a year for year basis. Must pass job related tests.

SPECIAL REQUIREMENTS

An Engineer-In-Training certificate with ability to become a registered professional engineer within one (1) year is required.

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

KNOWLEDGE AND ABILITIES

Knowledge of:

- principles, practices and techniques of engineering related to area of assignment
- federal, state and local laws, rules and regulations related to area of assignment
- the principles, practices and procedures associated with budget preparation and administration
- the methods and techniques used in conducting engineering studies and needs assessments
- the principles and practices of grant writing, contract negotiation and administration
- the literature, trends and developments in the area of specialty

Ability to:

- interpret and assess field data used for the maintenance and design of construction projects
- prepare engineering plans, specifications and estimates
- direct and evaluate the inspection and appraisal of condition of public works structures
- allocate and make effective use of available resources
- assess the relative advantages and disadvantages of alternative courses of action
- gather, analyze, synthesize and evaluate a variety of data including statistical data

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KNOWLEDGE AND ABILITIES (Continued)

- read, interpret and apply federal, state and local laws, rules and regulations governing area of assignments
- analyze and evaluate operations and take effective action to correct deficiencies and resolve problems
- establish and maintain effective work relationships with elected officials, department heads, associates, subordinates, representatives of other agencies and with the general public
- communicate effectively, both orally and in writing
- prepare a variety of correspondence, reports, and other written materials and documents

SUPERVISION

The work requires considerable independent judgment and discretion in developing and achieving work unit goals and objectives. The work is reviewing 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 site 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: March 1989
Previous Spec No. 420413
EEO Category: 2 - Professionals
Pay Grade: 241 - Classified Pay Plan
Workers Comp: 5306 Non-Hazardous