

SNOHOMISH COUNTY JOB DESCRIPTION

ENGINEER II- PARKS CONSTRUCTION

Spec No. 3323

BASIC FUNCTION

To perform a variety of professional engineering assignments in design and construction which require the application of standard engineering principles and methods. Coordinates the work of consultants or Parks planning staff as it relates to assigned engineering projects.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Provides project management of Parks construction projects, including preparing or overseeing the preparation of specifications, cost and quantity estimates, the design of projects and facility improvements, and the oversight of the construction process.
2. Oversees project construction to assure work is performed in accordance with plans and specifications; monitors and coordinates construction-engineering activities, maintains field records, prepares progress estimates and change orders, develops budget projections and directs field technical personnel.
3. Conducts or directs the preparation of studies and preliminary field surveys in preparation for design and construction of Parks facilities such as park roads, bridges, ballfields, parking facilities, trails, or drainage improvements.
4. Directs the site inspections of construction work to verify quality of installations and coordinate timely and quality completion for acceptance; monitors contractor progress and schedules quality assurance tests and materials approvals.
5. Prepares project prospectus for applications for federal and state funding of park projects, including the recommendations for improvements, estimates of required quantities, project cost estimates, and other relevant data.
6. Researches, analyzes and resolves engineering problems on county construction projects.
7. Analyzes the environmental impact of proposed park projects and prepares required reports if impact is significant.
8. Provides information to professional engineers, architects, developers, county officials and the general public; presents and explains technical design or operational features, project priorities and development requirements of county policies.
9. Attends public meetings and formal public hearings on proposed park construction projects; prepares or supervises the preparation of maps, exhibits, drawings, charts and graphs and provides technical testimony as required.
10. Coordinates and reviews the work of other Parks staff as it relates to assigned construction projects; provides training in related work as required.

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Spec No. 3323

STATEMENT OF OTHER JOB DUTIES

11. Prepares and reviews technical reports related to engineering assignments.
12. Performs other related duties as assigned.

MINIMUM QUALIFICATIONS

A Bachelor of Science degree in civil engineering or related field and two (2) years of professional civil engineering experience; OR, any equivalent combination of education and experience which provides the required knowledge, skill and ability to perform the work. Must pass job related tests.

SPECIAL REQUIREMENTS

An Engineer-in-Training certificate is required; a Professional Engineering License is preferred.

A valid Washington State Driver's License may be required.

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
- read, interpret and apply federal, state and local laws, rules and regulations governing area of assignment

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KNOWLEDGE AND ABILITIES (Continued)

- analyze and evaluate operations and take effective action to correct deficiencies and resolve problems
- establish and maintain effective working relationships with elected officials, department heads, associates, subordinates, representatives of other agencies and with the general public
- prepare a variety of correspondence, reports, and other written materials and documents
- use effective communication skills to be able to be clearly understood by construction's client group in English
- prepare clear and concise written reports

PHYSICAL EFFORT

Physical exertion required to lift equipment more than fifty (50) pounds.

SUPERVISION

The position reports to the Principal Planner or other administrative superior as assigned. 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 or in the field in varying weather conditions with frequent field trips to locations throughout the county to make site visits, attends meetings, or coordinate work activities. Physical hazard from traffic and construction equipment at the work site may be present. 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 2005 as Engineer – Parks.

Revised and retitled: November 2007

EEO Category: 2 - Professionals

Pay Grade: 243 - Classified Pay Plan

Workers Comp: 1501 Hazardous