

YAKIMA COUNTY, WASHINGTON
CLASS SPECIFICATION
CLASS TITLE: ENGINEER II

BAND: ENG	GRADE: 4	SUBGRADE: 2	CLASS CODE: J23-8142
DEPARTMENT: Public Services / Yakima County Roads	ACCOUNTABLE TO: Varies	JOB FAMILY: Engineering	OVERTIME STATUS: Non-Exempt
JOB SUMMARY: This position is responsible for coordinating the Design, Permitting and Project Management for County Road projects in the Public Services or Yakima County Roads Engineering Services or Traffic Engineering Divisions.			
DISTINGUISHING CHARACTERISTICS: Engineer II is the second level class in a five-level professional engineering classification series. The Engineer II functions as a lead worker to Engineer I. The Engineer II is distinguished from the Engineer III by assignment to less complex engineering projects or portions of complex projects that can be completed without professional certification.			
DUTY NO.	ESSENTIAL DUTIES:		BAND/ GRADE
1	Independently manages assigned projects and performs engineering design and analysis of multiple road, bridge, traffic or hydraulic engineering projects under the direction of a Professional Engineer. Collects, gathers and interprets engineering data and applies engineering fundamentals to solve complex problems both in the office and field.		C
2.	Prepares project specifications by gathering information, analysis, advising technicians. Prepares estimates of materials to be used and drafts final report for review and approval. Prepares permit documents and ensures supporting data is made available for review by permitting agencies.		C
3.	Assists with construction contract administration by solving field problems, reviewing change orders and providing Engineering support and advice to Construction Division Staff. Identifies how the field problem affects design principles, determines what changes to make to resolve the problem and the estimates costs involved.		C
4.	Assigns and monitors work performed by subordinate technical staff as assigned.		B
5.	Meets with contractors, public agencies and officials, or general public and answers questions regarding policies, procedures, and practices. Facilitates meetings related to project management.		B
6.	Other duties as assigned.		
Knowledge of: (position requirements at entry): Knowledge of: <ul style="list-style-type: none">• Construction Design• Engineering Theories and Principles;• Federal, state and local laws, standards and regulations governing engineering projects;• Common materials used in engineering projects;• Safety precautions; Customer Service techniques.			
Skills (position requirements at entry): Skill in: <ul style="list-style-type: none">• Assigning and monitoring the work of others and coordinating activities;• Inspecting projects for compliance with rules and regulations;• Reading and interpreting maps, blueprints, schematics, plans and specifications;			

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- Computer aided drafting designs and plans;
- Making complex mathematical calculations;
- Tracking and monitoring records for projects;
- Trains/Instructs engineering personnel and troubleshoots civil software problems
- Using computers and related software applications;
- Establishing and maintaining effective interpersonal relationships at all organizational levels and with the public; and
- Communication, both oral and written, sufficient to give and receive information and to facilitate meetings and project work.

Training and Experience (position requirements at entry):

One of the following educational and experiences:

- Associates of Arts Degree, NCEES (National Council of Examiners for Engineering and Surveying) Engineer in Training Certificate AND 6 years of engineering experience working under the direction of a Licensed Professional Engineer of which includes one year of work as a lead;
- Associates of Arts Degree AND 10 years of engineering experience working under the direction of a Licensed Professional Engineer and as a lead worker; OR
- Bachelor of Science Degree in Engineering and 2 years of engineering experience

Preferences:

- Bachelor of Science Degree in Engineering
- Engineer in Training Certification from an NCEES compliant State

Licensing Requirements (position requirements at entry):

- Valid WA State Driver's License and proof of insurance, if requested
- Successful completion of general employment verification

Working Conditions: Positions in this class typically require:

Environmental Demands: exposure to weather, travel, multiple work locations, field work, working in traffic. may be exposed to hostile/angry individuals.

Physical Demands: bending, carrying, handling, sitting, standing, walking, fingering, kneeling, hearing, talking, visual acuity; stooping, mobility, grasping, repetitive motion.

Intellectual Demands: ability to multitask, ability to articulate and communicate information in conversations, ability to follow written instruction.

Light Work: Exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force frequently, and/or a negligible amount of force constantly to move objects. If the use of arm and/or leg controls requires exertion of forces greater than that for Sedentary Work and the worker sits most of the time.

Classification History:

New: 05/16

Updated: 02/19 Training and Experience, Working Conditions

Updated: 02/22

Updated: 01/23