

YAKIMA COUNTY, WASHINGTON
CLASS SPECIFICATION
CLASS TITLE: ENGINEER III

BAND: ENG	GRADE: 4	SUBGRADE: 3	CLASS CODE: J23-8143
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 and Surface Water projects.

DISTINGUISHING CHARACTERISTICS: Engineer III is the third level class in a five level professional engineering classification series. The Engineer III is distinguished from the Engineer IV by assignment to all or portions of complex engineering projects that can be completed without professional engineer license.

DUTY NO.	ESSENTIAL DUTIES:	BAND/ GRADE
1.	Independently manages assigned projects and perform engineering design and analysis of multiple road, bridge or traffic engineering projects under the direction of a Professional Engineer or management. Collects, gathers and interprets field and engineering data and applies engineering fundamentals to solve complex problems both in the office and field.	C
2.	Designs drawings by using computer aided drafting and geographic information system data Tasks may include: preparing files for interface with engineering models; preliminary mapping in GIS; mapping of storm drainage components; performing field studies to ensure accuracy of calculations.	C
3.	Identifies, develops, and writes scope of works for assigned engineering projects. Prepares project specifications by gathering information, analysis, advising technicians and others involved in the project. Prepares estimates of materials to be used and drafts final report for review and approval. Prepares required permit documents and ensures supporting data is made available for review by permitting agencies.	C
4.	Reviews, checks, designs, and monitors technical works of non-licensed engineers and / consultants and county staff for county road and water related projects. Manages contracts and consultants for assigned projects. Assists with construction contract administration by solving field problems, reviewing change orders and providing Engineering support and advice to Staff. Identifies how the field problem affects design principles, determines what changes to make to resolve the problem and the estimates costs involved.	C
5.	Meets with contractors, public agencies and officials, or general public and answers questions regarding policies, procedures, and practices. Attends and facilitates meetings and may collaborate with others to fulfill tasks related to assigned projects. May be requested to participate in studies conducted by other divisions within the County.	B
6.	May be responsible for assigning and monitoring work performed by subordinate technical staff.	B
7.	Other duties as assigned.	

Knowledge of: (position requirements at entry):

Knowledge of:

- Knowledge of Road Construction, Hydraulic Structure or Stormwater Design
- Engineering Theories and Principles;
- Federal, state and local laws, standards and regulations governing engineering projects;
- Common materials used in engineering projects;

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Computer aided design systems.

Skills (position requirements at entry):

Skill in:

- Managing complex projects
- Tracking and monitoring records for projects;
- Using computers and related software applications;
- Assigning and monitoring the work of others and coordinating engineering activities;
- Trains/Instructs engineering personnel and troubleshoots civil software problems
- Inspecting projects for compliance with rules and regulations;
- Reading and interpreting maps, blueprints, schematics, plans and specifications;
- Drafting contract specifications and preparing pay estimates;
- Computer aided drafting designs and plans;
- Making complex mathematical calculations;
- 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):

- Bachelor of Science Degree in Civil Engineering and three (3) years working in civil engineering discipline of which includes one year of work as a lead; or related field or the equivalent education and experience which provides the knowledge, skills and abilities sufficient to successfully perform the essential duties of the job.

Preferences:

- Specialization in the areas of hydraulics, hydrology, civil engineering and road construction.
- Proficiency in use of required computer software for assigned area of work.

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 verbal and 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.

Classification History:

New: 01/12 PDQ Developed

Updated: 05/20 New Generic Classification

Updated: 02/22

Updated: 03/22

Updated: 01/23