

YAKIMA COUNTY, WASHINGTON
CLASS SPECIFICATION
CLASS TITLE: Engineering Technician II

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| BAND: ENG | GRADE: 2 | SUBGRADE: 4 | CLASS CODE: J23-8024 |
| DEPARTMENT: Public Services / Yakima County Roads | ACCOUNTABLE TO: VARIES | JOB FAMILY: ENGINEERING | OVERTIME STATUS: NON-EXEMPT |

JOB SUMMARY: The Engineering Technician II performs a variety of operational engineering support activities in one or more Public Services / Yakima County Roads divisions such as traffic engineering and operations, transportation planning, survey, design / project drafting, materials testing, construction inspection or water resources.

DISTINGUISHING CHARACTERISTICS:

The Engineering Technician II class is the second of a four (4) level engineer support classification series. The Engineering Technician II class is distinguished from the Engineering Technician I class by the performance of operational versus defined work. The Engineering Technician II class is distinguished from the Engineering Technician III class by the lead responsibility of performance of work which requires a higher degree of technical expertise, accountability and independent judgement. The engineering support classification series is distinguished from the professional engineer classification series by duties base on technical knowledge and skill rather than broad academic knowledge of general engineering principles and practices.

| DUTY NO: | ESSENTIAL DUTIES: | BAND/ GRADE |
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| 1. | Collects, compiles and reviews data for engineering studies using appropriate survey and/or other equipment and manuals including surveying land; performing field sampling and testing of concrete, asphalt, aggregates, soils and water for quality control and / or design of construction materials; researching data; and/or conducting field investigations to obtain information. | B2 |
| 2. | Reviews and verifies documents such as traffic control plans, applications, permits and land survey maps for conformance with applicable guidelines and standards. | B2 |
| 3. | Writes, composes, plots and checks legal descriptions for right of way dedications and boundary descriptions; converts legal property descriptions into map format. | B2 |
| 4. | Drafts plans for construction of roads, bridges, traffic signals, utilities, water resources and other public services. | B2 |
| 5. | Responds to routine questions and concerns of property owners and the general public; participates in negotiations with and prepares a variety of notices and correspondence to property owners and other agencies for land acquisition, title transfer of county property and other purposes. | B2 |
| 6. | Coordinates the street/road naming process; coordinates the property addressing process | B2 |
| 7. | Produces and/or drafts a variety of technical records, reports, legal documents, correspondence or topographic maps including spreadsheets, drawings, status reports, transfers of title, negotiation agreements and conditions, ordinances, notices, resolutions, real property records, pay estimates and/or as-built conditions. | B2 |
| 8. | Performs other duties as required. | |

Knowledge of: (position requirements at entry):

- Knowledge of Federal, State and County codes, laws, rules and regulations related to assignment area;
- Mathematical computations;
- Materials used in engineering projects;
- Engineering and construction theories and principles;
- Safety precautions;
- Surveying theories and principles;

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| <ul style="list-style-type: none">• Basic theories and principles of determining property value;• Customer service techniques. |
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Skills (position requirements at entry):

- Time management and ability to work without supervision;
- Using computers and software applications (Microsoft Office and other engineering related software);
- Ordering and inventorying materials and supplies; making mathematical computations;
- Reading maps; interpreting blueprints, schematics and plans; drafting complex plans;
- Reviewing drawings and plans for compliance with codes and regulations;
- Applying surveying techniques and practices;
- Conducting field interviews/investigations;
- Performing field sampling and testing of concrete, asphalt and soils for quality control and design;
- Preparing technical reports and graphic presentations;
- Establishing and maintaining effective interpersonal relationships at all organizational levels and with the public;
- Communication, both oral and written, sufficient to exchange or convey information and to receive work direction.

Training and Experience (requirement at entry):

Associates Degree in engineering or related field and two years of relevant work experience in area of assignment; or an equivalent combination of education and experience which provides knowledge, skills and abilities sufficient to successfully perform the essential duties of the job.

Preferred:

- Associate degree in field of study relevant to the assigned division.
- Experience with Microsoft Office Suite, mapping, engineering or design software such as ArcMap, AutoCAD, HEC-RAS or related certification in area of assignment.

Licensing Requirements (some positions may require at entry):

- Valid WA State Driver's License and proof of insurance, if requested
- Successful completion of general employment verification
- Certification from the International Municipal Signal Association (IMSA) in Signs and Pavement Markings or Work Zone Safety.
- DOT / FAA Drone Pilot

Working Conditions: Position may have the potential exposure to the following:

Environment: travel, field work, exposure to hostile/angry individuals, work outside of standard business hours and multiple work locations;

Physical Demands: Handling, Reaching, Sitting, Standing, Walking, Fingering, Balancing, Reclining, Hearing, Talking, Visual Activity. Depending upon assignment, incumbents may be subject to travel, exposure to hazardous materials, atmospheric conditions, intense noise, extreme temperatures and/or exposure to potentially hostile individuals.

Intellectual Demands: ability to multitask, confidentiality, ability to work under pressure, ability to articulate and communicate in conversations, ability to follow written and verbal 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 Class: 01/98

Revised: 01/99 Format

Revised: 01/19 Title Change

Revised: 02/22

Revised: 01/23

Revised: 07/24