



ENGINEERING TECHNICIAN V JOB DESCRIPTION

Job Title: **Engineering Technician V**

Job Code: **EN315**

Pay Grade: **127**

Effective Date: **July 2022**

FLSA: **Non-Exempt**

Revision Date: **October 2024**

NATURE OF WORK

Under limited supervision this position serves as a project manager, lead designer and construction inspector that operates with general direction effectively and with expected results. Ensures county road projects are designed and constructed in accordance with Lewis County codes and standards Prepares plans, specifications, estimates, reports, and other documents that will be used to improve the safety, quality, and capacity of the County's transportation system. Inspects contract work to assure compliance; keeps accurate, complete and detailed records and ensuring accurate payment for work completed in accordance with contracts.

ESSENTIAL FUNCTIONS

*The following duties **ARE NOT** intended to serve as a comprehensive list of all duties performed by all employees in this classification, only a representative summary of the primary duties and responsibilities. Incumbent(s) may not be required to perform all duties listed and may be required to perform additional, position-specific duties.*

- Collect field data in support of the design and construction of LCPW projects.
- Accurately and completely develop and produce design and construction documentation.
- Accurately and completely develop and produce plans, specifications, and estimate (PS&E) packages in accordance with applicable codes and standards.
- Accurately and completely perform the duties of a lead inspector on construction projects, utilizing available resources to ensure contractor's compliance with the contract.
- Coordination with other divisions including survey, real estate services, and permitting during the development and delivery of projects
- Work independently, prioritize workload, assign tasks, and handle multiple assignments.
- Inspect existing county roads, bridges, and other infrastructure for condition.
- Communicate and coordinate with engineering consultants.
- Accurately and completely develop and produce information for the public, other external customers, and other county departments in person (at public meetings), electronically, over the phone, and by letter.
- Review, understand, and interpret engineering related technical data and material.
- Utilize engineering design software to develop the PS&E.
- Track and maintain all necessary trainings and certifications necessary to complete duties.

WORKING ENVIRONMENT AND PHYSICAL DEMANDS

Work is typically performed in office and outdoor environments. Utilizing a computer for long periods; sitting for long periods; standing for long periods; exposure to inclement weather; working adjacent to traffic; working within active construction sites with heavy equipment, loud noises, and other safety hazards; traversing uneven and/or steep terrain; routinely lifting, manipulating, and transporting up to 50 pounds of various materials/equipment.

DISTINGUISHING CHARACTERISTICS

This fully qualified senior level position has the ability to: lead and mentor lower level engineers and technicians; interact respectfully and professionally; think critically; collaborate; forecast and foresee issues and developing solutions; communicate solutions and changes; continually and quickly learn; and perform duties independently.

EMPLOYMENT STANDARDS

- Associate's Degree in Engineering, Land Survey, or related field **OR** Engineer-in-Training Certificate **AND** five (5) years of related experience as a lead in design and construction.
- Must possess a valid Driver's License Washington and Traffic Control Flagger card.

KNOWLEDGE AND SKILLS

Knowledge of:

- County Policies and Procedures.
- Federal, State, and County policies, procedures, and regulations governing public works projects; including County Road Administration Board and Department of Transportation standards.
- Fundamental principles of civil engineering design.
- Fundamental principles and techniques of drafting and roadway modeling.
- Fundamental principles and techniques of field data collection.
- Modern methods and techniques of the construction of civil engineering projects.
- Contractor/owner relationships and basic contract law.
- Computers and specialized engineering software applications and file management procedures.
- OSHA safety rules and regulations and applicable safety standards involving hazardous environments.

Skills in:

- Analyzing technical issues, evaluating alternatives, and developing construction plans and specifications.
- Interpreting technical information and producing engineering drawings.
- Technical writing and making mathematical computations.
- Reading and understanding plans, specifications, and schematics.
- Following safe work practices.
- Reading engineering instruments, meters, and gauges and accurately recording findings.
- Maintaining records and files.
- Establishing and maintaining effective working relationships with co-workers.
- Communicating effectively and following verbal and written instructions.