

LANCASTER COUNTY CIVIL ENGINEER III

NATURE OF WORK

This is responsible professional civil engineering work in the development, construction and maintenance of civil engineering projects.

Work involves the responsibility of planning, assigning and supervising a sectional engineering operation including road design and construction; bridge design and construction; and related engineering projects. Work requires the use of independent judgment, initiative, and professional knowledge and involves responsibility for making technical decisions on engineering problems. Work is performed under general supervision with work being reviewed through reports, inspection of projects, and evaluation of accomplishments. Supervision may be exercised over a moderate sized staff of professional and sub-professional subordinates.

EXAMPLES OF WORK PERFORMED

May serve as engineer in charge on major construction projects; plans, assigns, and supervises the work of an office engineering section involved in road or bridge design and construction.

Supervise the preparation of final plans and specifications for road and/or bridge construction projects; designs or checks plans and supervises the work of subordinates in the preparation of plans and estimates for road and bridge construction projects to ensure compliance with Federal, State and County specifications, standards and regulatory.

Prepare estimates of costs and materials on a variety of complex engineering construction projects; reviews plans and specifications and recommends alterations as deemed necessary.

Supervise inspectors engaged in reviewing construction work performed by contractors; prepares and checks payment estimates, change orders, notices of completion, and final reports; prepares material and construction reports.

Stay current on industry trends, new materials, technologies, and regulations, and incorporates best practices into project planning and execution.

Perform related work as required.

DESIRABLE KNOWLEDGE, ABILITIES, AND SKILLS

Thorough knowledge of the principles and practices of professional civil engineering as they relate to the preparation of plans and specifications for a variety of engineering projects.

Thorough knowledge of land and engineering survey systems, methods, and techniques.

Thorough knowledge of construction materials, maintenance procedures and of approved safety

standards as related to structural design and specifications.

Ability to plan, assign, and supervise professional and sub-professional subordinates.

Ability to adapt approved engineering methods and safety standards to the design and construction of road and bridge construction projects.

Ability to establish and maintain effective working relationships with governmental officials, associates, subordinates and the general public.

Ability to use engineering software to perform analysis of roadway and bridge design issues.

Ability to use office software to create documentation and spreadsheets for complex engineering calculations.

Skill in the use of computer aided design and drafting software.

MINIMUM QUALIFICATIONS

Graduation from an ABET accredited four-year college or university with major coursework in civil engineering or related field and two years of experience in progressively responsible professional civil engineering work; or any equivalent combination of training and experience that provides the desirable knowledge, abilities, and skills.

NECESSARY SPECIAL REQUIREMENT

Registration as a Professional Engineer with the State of Nebraska at time of appointment. If registered in another state, must obtain Nebraska registration within six months of appointment.

Possession of a valid driver's license and the ability to be insured by the County's insurance carrier.

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