

HIGHWAY PAVEMENT MANAGEMENT COORDINATOR

DESCRIPTION: Under limited supervision, performs complex engineering studies and coordinates reporting and operational development activities, with wide latitude of decision-making, related to one or more highway functions and/or projects involving pavement systems management, roadway assessment, pavement reconstruction, preventative maintenance, and related highway functions. May coordinate the work of others conducting such work as pavement network needs studies, life cycle analyses, and related information collection and reporting activities; performs related work as required.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Researches new pavement management concepts, philosophies, and technologies, and guides others in the incorporation of these new processes into existing agency operations.

Provides information for the development of the Nebraska Interstate 20 year needs reports and annual state highway needs assessments.

Maintains and enhances the pavement optimization program.

Develops, maintains, and enhances pavement performance curves and distress indices.

Develops models for highway life cycle cost analysis studies including capacity or alignment reviews.

Conducts special pavement management investigations and documents results by submitting reports on findings.

Coordinates data collection of pavement condition on all state highways, via ride surveys and other methods, and maintains a survey manual to assist others in pavement condition and ride data collection.

Prepares and maintains reports, charts, and maps of the condition of each district highway system within the state.

May guide, instruct, or assist other departmental units in research projects pertaining to highway reconstruction or preventative maintenance, or transportation systems design.

FULL PERFORMANCE KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (These may be acquired on the job and are needed to perform the work assigned.)

Knowledge of: relevant federal and state laws and regulations related to highway pavement reconstruction and maintenance; organizational structure, functions, goals, policies, and procedures.

Ability to: determine the appropriate time and sequence of pavement management projects and activities; determine the most cost-benefit approach to pavement management operations.

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ENTRY KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (Applicants will be screened for possession of these through written, oral, performance, and/or other evaluations.)

Knowledge of: current highway construction and maintenance practices and technologies; the principles of pavement design; the techniques of pavement performance and of pavement condition evaluations; the principles and methods of statistical analysis and research design; automated data analysis applications, operations, and systems.

Ability to: plan work within established timeframes; exercise good judgment in appraising needs and making decisions; communicate orally and in writing to present opinions, comments, and factual information clearly and concisely; present technical information and advocate proposals to public and transportation work groups; work as a member of a team and independently.

JOB PREPARATION GUIDELINES: (Entry knowledge, abilities, and/or skills may be acquired through, but are not limited to, the following coursework/training and/or experience.)

Any combination of education, training, and/or experience that will enable an applicant or employee to possess the required knowledge, skills, and abilities. A general qualification guideline for positions in this class is a Bachelor's degree in civil engineering, engineering technology, highway construction, business administration, or related field, **and** experience in planning and developing pavement management activities and systems or similar type of work in a related field. Experience or post high school coursework in computer science/data base management and statistics, beyond the elementary/survey level, is required.

SPECIAL NOTE:

Overnight travel is required. A valid Nebraska driver's license is required.