

HIGHWAY INVENTORY TECHNICIAN II

DESCRIPTION: Under limited supervision, performs technical duties required to operate the Voice Data Entry System (VDES) with Global Positioning System (GPS) interface and/or the Video Image Capture System (VICS) with Geographic Information Systems (GIS) interface; 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.)

Performs field inventory using update function of the VDES.

Schedules and performs the Videolog of the State Highway System and Special Projects using the VICS.

Produces, maintains, and updates field and office procedures for the VDES and VICS.

Updates, maintains and performs quality control checks on field and office data.

Downloads field records to the Rural Road Inventory database using edit and data entry functions of VDES.

Updates and maintains all District and Central Complex viewing systems.

Writes batch programs for the VDES; queries mainframe databases to produce reports.

Contacts county and city officials to confirm field data changes.

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

Knowledge of: VDES w/GPS update, edit and data entry procedures; VICS w/GIS hardware and software; Rural Road Inventory procedures; the state highway and reference systems.

Ability to: plan and organize activities of the VICS and viewing operations, read Bridge and Construction plans; perform advanced arithmetic computations; write batch programs in Basic.

Skill in: operating the VICS w/GIS interface and VDES w/GPS interface.

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

Knowledge of: video equipment; State Highway System.

Ability to: perform mathematic calculations.

Skill in: operating video equipment.

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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 training and/or experience that will enable the incumbent to possess the required knowledge, abilities and skills. A general qualification guideline for this position is a high school education or equivalent AND experience in transportation planning or computer operation.