

LANCASTER COUNTY ENGINEERING AIDE I

NATURE OF WORK

This is entry level, technical engineering and surveying work of a manual nature performed primarily in the field with associated office duties.

Work involves the performance of routine manual tasks on a survey or construction team leading toward advancement and increased technical responsibilities associated with field and office engineering and surveying work not requiring previous specialized training or experience. All work is performed under the close supervision of a technical superior, with work being reviewed while in progress.

EXAMPLES OF WORK PERFORMED

Act as rodman or chainman in a survey party; hold end of surveying chain or tape in measuring distances; use level rod and adjust and read target in obtaining existing elevations or in establishing elevations.

Use tripod, tribrach, prism glass, stake out rod and other basic surveying equipment in surveying assigned land areas.

Clean and care for surveying instruments, tools, and equipment.

Assist in the installation, operation and maintenance of the Global Positioning System (GPS) through use of GPS surveying equipment and recording of GPS data.

Operate reproduction equipment, and perform limited drafting and mathematical calculations.

May assist in inspection of various routine construction activities.

DESIRABLE KNOWLEDGE, ABILITIES, AND SKILLS

Some knowledge of principles and practices of surveying.

Some knowledge of principles and practices of engineering drafting.

Some knowledge of personal computer systems.

Some knowledge of elementary mathematics.

Skill in the use of hand and power tools.

Ability to understand and carry out oral and written instructions.

Ability to learn and apply basic surveying, drafting, mathematics, construction inspection and other engineering principles and techniques to field engineering work of a non-professional nature.

Ability to perform manual work on varying terrain for extended periods of time in all types of weather.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from senior high school supplemented with course work in engineering, drafting, mathematics or related area.

MINIMUM QUALIFICATIONS

Graduation from a senior high school.

NECESSARY SPECIAL REQUIREMENT

Possession of a valid driver's license when operating a vehicle is required in the performance of assigned duties.

11/12

PS9811