

LAND SURVEYOR IN TRAINING

KIND OF WORK

First level professional land survey work.

NATURE AND PURPOSE

An employee in this class is responsible for supervising all phases of land survey work assigned to him in a highway construction district or the office of surveying and mapping. The incumbent utilizes precise and accurate electronic surveying equipment to collect accurate and reliable surveying data in the field to determine the horizontal and vertical position of points in engineering projects and for construction layouts, staking, and property boundary determinations. Responsibility extends to selecting, evaluating and applying standard practices and precedents in resolving problems connected with the Minnesota Public Land Survey and federal and state laws governing re-surveys, registered land surveys, subdivision plots, and boundary line determinations. Supervision is exercised over highway district survey crews in their daily operations. Supervision and guidance is received from the highway district surveys engineer who establishes survey work schedules and completion dates. Work is reviewed in terms of results achieved.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Acts as Chief of Party on surveys, relocations and construction, utilizing modern survey methods and equipment to ensure accurate and precise survey data consistent with professional standards.

Provides supervision to district surveying crews in such a way that their knowledge of modern land surveying work as well as surveying skills is increased to the fullest extent possible.

Prepares and maintains documents, forms, and survey reports in a fully documental manner designed to support conclusions arrived at as a result of field surveys conducted.

Maintains personal relationships with the district survey engineer, subordinate surveying personnel, county surveyors and engineers, and the general public of a level that will facilitate the mutual flow of surveying data and the reporting of problems.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Considerable knowledge of modern surveying equipment such as theodolites, electronic distance equipment, and programmable electronic calculators.

Considerable knowledge of modern surveying equipment such as astronomic observation and electronic computation and programming.

Considerable knowledge of applicable Highway Department specifications and regulations.

Skill in:

The use of modern land surveying instruments.

Ability to:

Provide direction in land surveying techniques to other district survey crews.

Prepare complete and concise notes and reports.

Establish and maintain effective working relationships with employees and officials of the Highway Department and other public agencies as well as the general public.

LEGAL/LICENSURE

Certification with the Minnesota Board of Registration for Architects, Engineers, and Land Surveyors as a Land Surveyor in training.

Est.: 5/73
Rev.:
Ckd.: 11/92

T.C.: 8/53; 7/93
Former Title(s): Land Surveyor I
Land Surveyor in Training