

HIGHWAY RIGHT OF WAY DESIGNER II

DESCRIPTION: Under general supervision, performs right-of-way survey checks and/or right-of-way computations and/or right-of-way design duties on routine right-of-way projects; researches previous projects; coordinates with other divisions; reviews projects for content; trains others within section; may lead daily activities of squad; performs related duties 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 right-of-way design for routine right-of-way projects having the following features or characteristics: previous right-of-way, new control access, railroad, right-of-way surveys, subdivision plats, shifted centerline, right-of-way acquisition over most of project length, full grading rural.

Performs right-of-way survey checks on coordinate projects and on projects that require minor adjustments for closure.

Researches, calculates, compares, adjusts and inputs preliminary surveys, right-of-way surveys, alignments and right-of-way deed descriptions for new projects and previous projects.

Reads, interprets, compares and inputs title information to describe property ownership.

Designs new right-of-way takings, permanent easements and temporary easements.

Writes land descriptions and computes specific areas of new right-of-way, previous right-of-way and easements.

Trains others within the right-of-way design section.

Leads the day-to-day duties and assignments of design squad; makes condemnation and revision assignment decisions for the design squad.

Coordinates data input with roadway designers, attorneys, consultants, appraisers, negotiators, field surveyors, and project managers.

Attends pencil Stage III meetings and design meetings to provide information and answer questions.

Prepares plans using consultant prepared CAD files; checks CAD files for content and compatibility with department standards.

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

Knowledge of: engineering/surveying principles related to preliminary survey, design and construction of projects including engineering, surveying, and geometrics; agency, state and federal guidelines, policies and regulations regarding the right-of-way design and the preparation of land descriptions to acquire right-of-way to construct highways, bridges, culverts and other transportation related projects.

HIGHWAY RIGHT-OF-WAY DESIGNER II (continued)

Ability to: coordinate right-of-way activities related to assigned projects with supervisor and various sections; identify and apply specific information from a substantial amount of related data, such as legal descriptions, titles, reports, survey notes, manuals and design plans.

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

Knowledge of: engineering/survey principles related to preliminary survey, roadway design and construction; computer aided design software; basic real estate principles regarding preparation to buy or sell property.

Ability to: perform mathematical calculations including geometry, algebra and trigonometry manually or with the aid of a calculator or computer; read, understand, and interpret the terminology and symbols used in survey notes and highway plans; detect errors, discrepancies and omissions through examination of detailed drawings, computer input and output, and survey notes; accurately interpret information in numerical, written or sketched form from sources such as legal descriptions, survey notes, or sketches to plan sheets or computation input files.

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 positions in this class is high school education or equivalent AND education or experience in drafting, engineering, highway construction, and/or right-of-way or roadway design.