

Missouri Department of Transportation

Code: R02012

Title: Intermediate Survey Technician

Exemption Status: Non-Exempt

Grade: 8

Job Description

Effective Date 01-01-2014

**Replaces
(Effective Date)** 06-01-2010

General Summary The intermediate survey technician assists in field surveys by conducting measurements and assisting in the operation of surveying instruments. Responsibilities are performed under direct supervision.

**Minimum/Required
Qualifications** High School Diploma or GED/HiSET, including successful completion of a trigonometry course and six creditable hours of college level surveying courses towards registration as a Professional Land Surveyor.

Three years of experience in route surveying.

Successful completion of a work simulation examination and a medical-physical examination.

**Supervisory
Responsibilities** None

Location District Offices - Design

**Special Working
Conditions/Job
Characteristics** Job requires moderate physical activity.

Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work

- (1) Operates surveying equipment in accordance with department methods and processes.
- (2) Records field notes and electronic data; checks feature location and coding for recording in electronic data collector; downloads and archives data to computer.
- (3) Directs measurements for stake-out, selects and sets locations for intermediate control points for engineering surveys, sets locations of alignment, structures, right-of-way breaks, easement corners and makes horizontal side shoots.
- (4) Plans target locations for photogrammetry and conducts placement and referencing of aerial targets and control movements.
- (5) Researches notes and automated records for availability of horizontal, vertical, public land corner, and geodetic reference system monumentation.

- (6) May perform mathematical computations related to field layout, note reduction, horizontal closure checks, vertical network adjustments, and point averaging.
- (7) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.