

Missouri Department of Transportation

Code: R01097

Title: Remote Sensing Technician

Exemption Status: Non-Exempt

Grade: 6

Job Description

Effective Date 01-01-2014

**Replaces
(Effective Date)** 09-01-2013

General Summary The remote sensing technician creates and verifies three-dimensional (3D) terrain mapping models for preliminary project development. Responsibilities are performed under direct supervision.

**Minimum/Required
Qualifications** High School Diploma or GED/HiSET and a post high school course equivalent to three credit hours in mapping or surveying.
A passing score on the depth perception test.

**Supervisory
Responsibilities** None

Location Central Office - 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 requires occasional overnight travel.
Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work

- (1) Performs quality control on data delivered to the department by mapping consultant.
- (2) Participates in the planning or development of mapping projects.
- (3) Participates in measuring operations to establish field, project, and quality control.
- (4) Maintains records of survey data, documents methods used, and writes reports containing information collected.
- (5) Manages backup processes of project, compilation, consultant delivered, and scanned data.
- (6) Compiles data to create 3D terrain models of areas requested by district project managers and designers, using an assortment of computer aided drafting and design (CADD) programs.
- (7) Creates file structures in which to compile 3D information, including loading digital imagery and project data on digital mapping workstation or any other technologies utilized by the department.
- (8) Prepares aerial graphics for use by legal personnel, senior management and others for hearings and public

displays.

- (9) 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.