

# Missouri Department of Transportation

Code: R03544

Title: Structural Technician

Exemption Status: Non-Exempt

Grade: 6

---

## Job Description

Effective Date 08-01-2005

Replaces  
(Effective Date) 01-01-1999

General Summary The structural technician performs semi-skilled technical or paraprofessional duties in the preparation of detailed construction plans for highway bridges and related structures. Responsibilities are performed under moderate supervision.

Minimum/Required  
Qualifications Associate Degree in Civil Engineering Technology, Drafting, Computer Aided Drafting, or related field.

Supervisory  
Responsibilities None

Location Central Office - Bridge

Special Working  
Conditions/Job  
Characteristics

---

## Examples of Work

- (1) Prepares detailed construction plans for routine bridges, retaining walls and box culverts using computer aided drafting systems.
- (2) Computes elevations and structural dimensions from sketches and computations supplied by a designer.
- (3) Makes necessary revisions after plans have been checked or reviewed.
- (4) Computes reinforcing bar lists and quantities of materials needed for construction.
- (5) Prepares preliminary detailing for new projects.
- (6) 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.