

# Missouri Department of Transportation Job Description

**Job Title:** Intermediate Structural Technician

**Title Code:** R03543

**Salary Grade:** 4

**Exemption Status:** Non-Exempt

**Supervisory Responsibilities:** None

**District/Division:** Central Office - Bridge

**Effective Date:** 01-16-2025

**Replaces (Effective Date):** 07-01-2022

## **General Summary**

The intermediate structural technician performs 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's Degree in Civil Engineering Technology, Drafting, or related field.
- Two years of experience in technical positions.

## **Special Working Conditions/Job Characteristics**

- A postsecondary degree is the best measure to ensure candidates possess required knowledge in computer aided drafting; trigonometry, geometry, and physics; statics and strength of materials; surveying concepts; material quantity calculations, takeoffs, and unit pricing; and dimensioning concepts.

## **Examples of Work**

1. Develops detailed construction plans for moderately difficult highway structures using computer aided drafting methods.
2. Computes elevations and exact structural dimensions from sketches and computations supplied by a designer.
3. Creates preliminary layout plans for various structures using computer software programs.

4. Makes necessary revisions after plans have been checked or reviewed; checks work of others as required.
5. Computes quantities of construction materials required for structures and computes reinforcing bar lists.
6. Research existing conditions, past configurations, or examples of structures.
7. Performs other responsibilities as required or assigned.