Missouri Department of Transportation Job Description

Job Title: Senior Equipment Technician

Title Code: R02019

Salary Grade: 7

Exemption Status: Non-Exempt

Supervisory Responsibilities: None

District/Division: District Offices – General Services

Effective Date: 10-15-2025

Replaces (Effective Date): 12-16-2024

General Summary

The senior equipment technician performs advanced level skilled work in the maintenance and repair of light vehicles and heavy construction equipment. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- Associate's Degree in Diesel Mechanics, Auto Mechanics, Automotive Mechanics, **AND** four years of experience in automobile or heavy equipment repair, **OR**
- Completion of a formal post-secondary technical training program in automobile or heavy equipment-related repair (of at least 30 credit hours or one school year in duration), **AND** five years of experience in automotive or heavy equipment repair, **OR**
- Completion of the department's equipment technician apprenticeship program which is only available to internal employees, **AND** four years of experience in automotive or heavy equipment repair, **OR**
- Six years of experience in automotive or heavy equipment repair.
- A passing grade on the written portion of the commercial driver's license (CDL) exam is required prior to the hire date. Must pass the driving portion of the Class A CDL exam with tanker endorsement, no air brake restrictions, and interstate status (either Excepted Interstate [EI] or Non-Excepted Interstate [NI]) within 60 days of hire into the position.
- Valid vehicle inspection license within 60 days of hire into the position.
- Successful completion of a work simulation examination and a medical-physical examination.

Special Working Conditions/Job Characteristics

- Job requires significant physical stamina and endurance.

- 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. Performs advanced and highly skilled repairs to automobiles, trucks, tractors, loaders, motor graders, and other heavy equipment.
2. Inspects, services, repairs, and overhauls transmissions, engines, clutches, drivelines, differentials, front and rear axle assemblies and ignition systems; repairs and installs hydraulic controls; tunes motors using standard testing equipment; dismantles, repairs, and reassembles air compressors, hydraulic jacks, pumps, cylinders, and related equipment.
3. Inspects, repairs, overhauls, and assembles automotive components such as alternators, distributors, and starters.
4. Completes fleet inspections and ensures all equipment meets OSHA standards and all repairs and modifications are done in accordance with operational specifications and safety standards.
5. Gathers computerized diagnostic information to assess vehicle repair needs.
6. Reviews equipment maintenance records and observes employees in the operation of equipment to determine and correct operator error and ensure proper maintenance.
7. Welds and modifies equipment and fabricates parts.
8. Requisitions and stores shop supplies.
9. Installs vehicle body components, lights, light brackets, mirrors, decals, and other accessories.
10. Reports out-of-service equipment and estimated time needed for service in order to schedule future work.
11. Performs other responsibilities as required or assigned.