

**HIDALGO COUNTY
ROAD & BRIDGE
PAVED/UNPAVED**

Job Title: Diesel Mechanic	FLSA Status: Non-Exempt
Dept No: 121-005	Civil Service Status: Non-Exempt

SUMMARY:

Diesel mechanics are responsible for the inspection, repair and maintenance of the engine and mechanical components on diesel electric locomotives.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Perform daily and periodic locomotive and diesel engine inspections in compliance with company, industry and federal standards; inspect various mechanical systems (air brake, fuel, and lubrication) and locomotive components (wheels, trucks, cab, and internal diesel engine parts); inspect for unusual sounds, vibrations, smells, and small changes in the visual appearance of materials or objects.
- Diagnose malfunctions in diesel engine components, air equipment, trucks, and other components; assess nature of problem and determine needed corrective action; make judgments concerning seriousness of defects or damage.
- Perform daily and periodic locomotive servicing (grease couplings and fittings, change oil and air filters, replace brake shoes and filters, adjust brake cylinder piston travel); replace locomotive and diesel engine components (wheels on trucks, traction motors);
- Repair locomotive parts (truck frames) requiring use of machine tools and welding equipment and other operations requiring use of lathes, grinders; disassemble engine and other components and clean parts.
- Safely and effectively operate the following: high and low precision measuring instruments (micrometers, tape measures, dial calipers); precision machines (drill and punch presses, bench lathes); electric, pneumatic and hydraulic tools (drills, wrenches, grinders); material handling equipment (fork lifts, cranes, overhead hoists); acetylene torches and electric welders.
- Follow County and federal safety rules, policy, and procedures; wear prescribed safety apparel; take appropriate action when conditions threaten safety of crew or other personnel; read and comply with train orders, signals, railroad rules, and regulation.
- Must have knowledge of heavy truck diesel engine.
- Must have knowledge of heavy machinery hydraulic system.

QUALIFICATION REQUIREMENTS:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. This is a supervisory position and the incumbent must demonstrate on-going competence in being able to delegate responsibility as well as instruct and train employees on proper shop procedure and proper equipment/tool handling and training.

EDUCATION and/or EXPERIENCE

- Qualified applicants must possess a minimum of (4) four years verifiable work experience as a diesel mechanic or, have a Journeyman's card.
- Experience with large motor generators and/or EMD 567-645-710G engines is a plus.
- Applicants with extensive experience as a mechanic in other fields (aviation, nuclear, etc.) is preferred.

CERTIFICATES, LICENSES, REGISTRATIONS

- Employee must have a current valid Texas Motor Vehicle Operator's License;
- Must be able to be insured by the County's insurance carrier.

OTHER SKILLS AND ABILITIES

- Ability to read and interpret documents such as safety rules, operating and maintenance instructions and procedure manuals.
- Bilingual ability (Spanish and English) with the ability to converse in both languages, preferred.
- Ability to calculate figures and amounts such as simple addition, subtraction, multiplication, and division.
- Ability to understand and follow written and oral instructions and directives.
- Must be able to perform duties of Mechanic I, II and III.
- Employee may be assigned other duties in addition to those listed; duties may change according to the changing needs of the County.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is required to talk or hear. The employee is required to stand. The employee is required to walk; sit; use hands to finger, handle, or feel objects, tools, or controls; reach with hands and arms; climb or balance; stoop, and kneel;

The employee must occasionally lift and/or move over fifty (50) pounds. Specific vision abilities required by this job include close vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

Work involves considerable stooping, bending, and working in overhead structures and on scaffolds. Considerable glare emits from work, requiring the wearing of personal protective equipment. Exposed to moderate burns and exposed to flying objects, such as chips and scale. Work also involves varying degrees of precision and control where damage could be considerable.

The noise level in the work environment is usually moderate to loud.

SAFETY REQUIREMENTS:

Maintain physical condition appropriate to the performance of assigned duties and responsibilities which may include the following:

- sitting for extended periods of time
- operating assigned equipment

Maintain mental capacity which permits:

- making sound decisions and using good judgment
- demonstrating intellectual capabilities

Effectively handle a work environment and conditions which involve:

- working closely with others
- working in a multi-task environment

Maintain effective audio-visual discrimination and perception needed for:

- making observations
- reading and writing
- operating assigned equipment
- communicating with others

ACCIDENT PREVENTION PROGRAM:

Required to follow all department's safety regulations.