

COUNTY OF OTERO

FIRE FLEET MECHANIC

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class, Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

To perform major and minor repairs on automotive and diesel equipment; to perform diagnostic activities for fuel and electrical systems; and to perform routine construction activities as assigned.

DISTINGUISHING CHARACTERISTICS

This is the full journey level class within the Mechanic series. Employees within this class perform the full range of duties as assigned including inspecting and diagnosing mechanical and electrical defects and problems in automotive, construction, and other mechanical equipment. This class is distinguished from the Senior Mechanic in that the latter performs more complex and difficult mechanical duties in addition to lead supervisory duties. Employees at this level receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Emergency Services Director.

ESSENTIAL AND MARGINAL FUNCTION STATEMENTS--*Essential and other important responsibilities and duties may include, but are not limited to, the following:*

Essential Functions:

1. Inspect and diagnose mechanical and electrical defects and problems in automotive, construction, and other mechanical equipment.
2. Perform diagnostic activities for fuel and electrical systems of gasoline and diesel powered engines.
3. Perform accurate measurements and tolerances.
4. Replace component parts on vehicles and equipment; perform engine tune-ups and rebuild and overhaul engines; perform safety inspections on vehicles and equipment.
5. Analyze failures; determine problems and causes; recommend solutions.
6. Perform the preventive maintenance of vehicles and equipment including lubricating and replacing worn parts.
7. Perform arc and gas welding and fabrication functions; maintain specialized equipment.
8. Read and interpret blueprints and schematic wiring diagrams.
9. Service engine transmission and differential assemblies.
10. Operate shop machinery including lathes, presses, grinders and blasters.

Marginal Functions:

1. Assist in the general maintenance and cleaning of automotive shop area.
2. Estimate time, materials, and equipment required for jobs assigned: requisition materials as required.
3. Perform related duties and responsibilities as required.
4. Subject to Emergency call out.

QUALIFICATIONS

Knowledge of:

Principles and practices of inspection, troubleshooting and repair of internal combustion and diesel engines.

Automotive and construction equipment.

Electrical and fuel systems.

Shop tools and equipment used in repairs.

Arc and oxyacetylene welding.

Machine shop work out equipment.

Emergency vehicle wiring

Two-way radio installation

Ability to:

Perform journey level diagnostic and repair services to County vehicles and equipment.

Operate a variety of automotive repair tools and equipment in a safe and effective manner.

Troubleshoot and diagnose problems and causes in automotive, diesel construction and related systems.

Work independently in the absence of supervision.

Understand and follow oral and written instructions.

Communicate clearly and concisely, both orally and in writing.

Establish and maintain effective working relationships with those contacted in the course of work.

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

-) *Walking, standing or sitting for extended periods of time*
-) *Operating assigned equipment.*

Maintain effective audio-visual discrimination and perception needed for:

-) *Making observations*
-) *Communicating with others*
-) *Reading and writing*
-) *Operating assigned equipment.*

Experience and Training Guidelines

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Five years of increasingly responsible automotive mechanical repair experience.

Training:

Equivalent to the completion of the twelfth grade. Additional specialized training in electrical and mechanical diagnostics of combustible and diesel engines.

License or Certificate

Possession of a valid NM driver's license.

Class A Commercial Driver's License or ability to obtain CDL within one (1) year is required, ASE Certification a plus

WORKING CONDITIONS

Environmental Conditions:

Mobile service vehicle; exposure to weather / elements, noise, dust, grease, smoke, fumes, gases and toxic materials; work or inspect in confined spaces; and exposure to shop equipment.

Shop environment; exposure to noise, dust, grease, smoke, fumes, gases and toxic materials; work or inspect in confined spaces; and exposure to shop equipment.

Physical Conditions:

Essential and marginal functions may require maintaining physical condition necessary for moderate to heavy lifting; toxic materials, bending, stooping, kneeling, crawling, and standing for prolonged periods of time; and operating motorized equipment and vehicles.