

CLASSIFICATION SPECIFICATION

ADAMS COUNTY

PUBLIC WORKS MASTER MECHANIC

NATURE OF WORK

This is skilled mechanical repair and specialized fabrication work.

This classification is responsible for performing a wide variety of duties associated with the maintenance of diesel, gasoline, hydraulic, and electrical systems of public works equipment and vehicles. Positions are required to perform all design and fabrication of specialized items as needed. Fabrication work will entail the purchasing of necessary materials and the subsequent construction and assembly of these materials by utilizing cutting torches, welders, lathes, and all other machinery needed to complete fabrication. Incumbents must have considerable command of such areas as hydraulics, stress factors, blueprint reading, and structural formulas. Work requires exposure to adverse weather conditions to perform the installation of fabricated items. In the absence of the shop supervisor, this classification is responsible for the supervisor's daily duties.

TYPICAL WORK TASKS

Assignments include but are not limited to:

Performs all necessary mechanical work on diesel and gasoline powered equipment and their related systems, transmissions, differentials, front and end axle assemblies, and ignition systems.

Supervises the work performed by those mechanics who assist in a given task.

Designs, fabricates, and constructs a variety of specialized equipment as the need arises.

Provides recommendations to the shop supervisor to create, improve, or change present designs for functioning of a wide variety of mechanical or machinery items.

Performs those changes deemed best by utilizing basic fabrication skills and knowledge.

Performs a variety of preventative maintenance tasks by checking mechanical parts of machinery.

Documents all work; prepares purchase orders, work orders, preventative maintenance schedules, and other records.

Performs other related duties as assigned.

TYPICAL WORK TASKS (cont.)

Assignments are received in the form of verbal instructions through meetings and discussions with the Shop Supervisor, Public Works Superintendent and Area Supervisor and work is evaluated by the Shop Supervisor.

SELECTION CRITERIA

Knowledge of the tools, equipment, and technology used in the repair and maintenance of motorized equipment.

Knowledge of the principles governing internal combustion engines.

Knowledge of current structural designs and stress factors in construction of machinery.

Ability to supervise and evaluate the work of assigned staff.

Ability to weld, fabricate, and modify equipment.

Ability to understand and follow verbal instructions and to interpret blueprint plans, drawings, and sketches.

Skill in the use and care and tools, equipment, and materials of the fabrication trade.

Skill in the manufacturing and construction of mechanical items used to fabricate a final product.

RECRUITMENT CRITERIA

A valid Combination License.

Two years of experience in fabrication work in the heavy equipment field; OR

Substituting successful completion of a training program in mechanical fabrication and related courses.