



HELLSGATE FIRE DISTRICT

POSITION DESCRIPTION

JOB TITLE: Engineer
Class/Division: Operations
FLSA Status: Nonexempt

GENERAL SUMMARY:

Engages in all forms of community risk reduction which includes responding to alarms and protecting life and property by performing firefighting, emergency medicine, hazard control and other duties as assigned. Functions as the primary driver/operator of District apparatus and equipment. Handles the operation, maintenance and inventory of fire and emergency medical apparatus and related equipment.

SUPERVISION RECEIVED:

Works under the direct supervision of a Fire Captain, or his/her assigned representative in the absence of the Fire Captain.

SUPERVISION EXERCISED:

None, however may assume the supervisory responsibilities of the Fire Captain as assigned or in the absence of the Fire Captain.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Ensures apparatus and equipment are returned to service after incidents and drills.
- Performs hydraulic calculations to effectively pump and deliver fire streams.
- Ensures all daily, weekly, and monthly apparatus and equipment inspections, test records, and logs are properly filled out and submitted in a timely manner.
- Trains other firefighters in driving and operation of apparatus and equipment.
- Inspects assigned apparatus and equipment for proper operation.
- Performs routine maintenance of apparatus and completes vehicle repair requests as needed.
- Participates in pre-planning with emphasis on water supply, vehicle access, power lines and fire department connections.
- Performs duties of a Firefighter, including:
 - Responds to emergency calls as dispatched within the HFD and on mutual aid assignments.
 - Provides basic life support and first aid treatment in accordance with Arizona laws, Arizona Department of Health Services rules and regulations, regional protocols, and base hospital directions.
 - Performs firefighting activities including driving fire apparatus, operating pumps and related equipment, laying hose, and performing fire combat, containment, extinguishments and overhaul.
 - Performs salvage operations including throwing salvage covers, sweeping water, and removing debris.
 - Writes reports accurately and in a timely manner, documenting incident data, patient assessment and patient treatment.
 - Receives and responds to fire and/or emergency medical calls and alarms.
 - Operates radio and other communication equipment.

- Participates in inspections of buildings, hydrants and other structures in pre-plans.
- Performs general maintenance work in the upkeep of fire and emergency medical equipment, apparatus, and facilities.
- Presents programs to public on safety, emergency medicine, and fire prevention and suppression topics.
- Participates in fire drills, and attends classes in firefighting, emergency medical service, and other related areas.
- Maintains required certifications in fire and emergency medicine.
- Maintains positive working relationships.

MINIMUM QUALIFICATIONS:

- Two years of experience as a full-time Firefighter
- Valid Arizona Driver's License
- Arizona Firefighter I and II certification or NFPA 1001 equivalent
- Arizona Emergency Medical Technician or Paramedic or equivalent
- Wildland Red Card as a Firefighter II or higher
- Successful completion of Driver Operator course approved by HFD
- Successful completion of Engineer Position Qualification Workbook
- Speak, read, and write the English language
- Meet HFD physical standards
- Meet insurability requirements of the District's insurance carrier
- Meet HFD residency requirements as set forth in policy

KNOWLEDGE, SKILLS, AND ABILITIES:

- Working knowledge of...
 - fire behavior and characteristics
 - hydraulics, practices and procedures of fire suppression and rescue operations
 - all district vehicles and equipment capabilities, vehicle and power tool mechanics and operations
 - street systems, geographical layout of TMFMD and locations of fire hydrants within the District
 - state driving laws for emergency vehicles
 - operating and safety limitations of assigned apparatus
 - emergency medical and rescue techniques and their applications
- Ability to...
 - drive, operate, adjust, and repair various fire apparatus under both emergency and non-emergency conditions
 - identify common causes of routine vehicle and engine failure and to apply preventative measures for such failures
 - apply standard firefighting and emergency medical techniques
 - follow verbal and written instructions
 - effectively communicate in both written and verbal format
 - function effectively in emergency situations
 - handle the arduous physical requirements of the job under stressful and adverse conditions
 - analyze situations quickly and correctly and make sound decisions in managing emergency situations

- establish and maintain effective working relationships with fellow employees and members of the public

PHYSICAL DEMANDS:

The physical demands described are representative of those that must be met by all personnel to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with qualifying disabilities to perform the essential functions.

The position requires the individual to meet NFPA and OSHA standards for the wearing of self-contained breathing apparatus. While performing the duties of this job, personnel are frequently required to stand, sit, walk, talk, hear, use hands to finger, handle or operate objects, tools or controls, and reach with hands and arms. Personnel are frequently required to climb or balance, stoop, kneel, crouch, crawl, and smell. Personnel must be able to frequently lift and/or move up to 50 pounds and occasionally lift and/or move up to 150 pounds. Specific vision abilities required by this job include close, distance, color, and peripheral vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those personnel encounter while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work is performed in an office, vehicle or outdoor setting in all weather conditions, including temperature extremes at all times of day and night. Work is often performed in emergency and stressful situations. Personnel are exposed to sirens and hazards associated with fighting fires and rendering emergency medical assistance, including infectious substances, smoke noxious odors, fumes, chemicals, liquid chemicals, solvents and oils. Personnel occasionally work near moving mechanical parts and in high, precarious places and are occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, radiation, risk of electrical shock and vibration. The noise level in the work environment is usually moderate, except during certain firefighting or EMS activities when noise levels may be loud.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position. The job description does not constitute an employment agreement between the District and employee and is subject to change by the District as the needs of the District and requirements of the job change.