

CLASSIFICATION SPECIFICATION

CITY OF MARYSVILLE, CA

Date: xxxxx 2020

CLASS TITLE: **Fire Engineer**

JOB CODE: xxxxxx

WORKING TITLE: Fire Engineer

FLSA STATUS: Non-Exempt

REPORTS TO: Fire Captain

HIRING STATUS: Career

JOB SUMMARY

Performs advanced firefighting and rescue activities; operates and maintains the entire range of Fire Department vehicles, apparatus, equipment and facilities; drives large fire apparatus in various traffic conditions; provides emergency medical and rescue services to the community; and performs related duties and responsibilities as required. The Fire Engineer receives direct supervision from the Fire Captain. This classification may be assigned temporary command of a fire station and may exercise functional supervision over staff during the assigned shift.

DISTINGUISHING CHARACTERISTICS

The Fire Engineer is distinguished from the class of Firefighter by the assignment of more responsible and varied duties which require knowledge and experience in driving motorized fire fighting vehicles and operating related pumping, hydraulic and other specialized fire equipment. The Fire Engineer must be familiar with the traffic laws and regulations of the State of California, as well as all driving rules and operational procedures of the City of Marysville Fire Department.

EXAMPLES OF ESSENTIAL FUNCTIONS

Management reserves the right to add, modify, change or rescind the work assignments of different positions and to make reasonable accommodations so that qualified employees can perform the essential functions of the job. Essential functions may include, but are not limited to, the following:

- Responds to fires, emergency rescues, first aid, fire alarms, natural and manmade disasters, and public assist service calls.
- Drives and operates assigned apparatus, pumps, and equipment to effectively suppress fires; determines the best location for apparatus; connects and lays hose lines; determines the correct operating pressures and water flows.
- Assists in holding nozzles to direct streams of water; carries and operates various fire extinguishers and other firefighting appliances.
- Raises, lowers and climbs various ladders; makes forcible entry into buildings when necessary; ventilates buildings and searches for victims.
- Takes charge and leads the work of an apparatus and its crew when required.
- Assists with overhaul, salvage, and cleanup operations at any incident.
- Responds to emergency medical calls; assists in rendering first aid; operates defibrillator, oxygen equipment, and delivers Basic Life Support (BLS) as an EMT/Paramedic in accordance with the DPFA MOU.
- Conducts thorough inspections of buildings, facilities, and properties for compliance with State and local fire and building codes.

- Assists in the development, planning, and scheduling of the apparatus and equipment maintenance program; cleans, services, inspects, tests and repairs equipment and apparatus to maintain peak operational conditions.
- Maintains inventory of tools and equipment; performs housekeeping and station maintenance.
- Assigns tasks, review work, provides training and direction to less experienced firefighters.
- Prepares and updates reports, logs, maps, and other departmental records.
- Makes recommendations to improve the manner in which the job is performed and to deliver the highest quality of service to the public.
- Studies and trains on Fire Department rules and regulations, fire hazards, firefighting techniques, and other related emergency subjects.
- Answers general questions from the public; assists with public education.
- Participates and assists in the administration of on-going training and fire prevention programs; attends drills, meetings and conferences.
- Maintains regular, consistent and timely attendance.
- Provides functional supervision of subordinate personnel in the absence of the Fire Captain; assists the shift Fire Captain, and other fire and city officials as needed.

KNOWLEDGE, SKILLS, AND ABILITIES (position requirements at entry)

Knowledge of:

- Principles, practices, and procedures of modern fire prevention and suppression methods.
- Operation and maintenance of firefighting apparatus and equipment, including safety in positioning at emergency scenes.
- Mechanics of pumping equipment to keep the equipment in working condition, and repair of mechanical problems.
- Applicable local, State and Federal laws, vehicle codes, and departmental rules and regulations.
- Water hydraulics, principles of fire streams, and proper pump pressures.
- First aid, CPR, and other rescue procedures.
- Safety practices, fire hazards, and potentially dangerous situations as they relate to fire prevention, fire suppression, fire investigation, rescue, emergency situations and hazardous materials.
- Geography of the local area including location of hydrants and mains, major traffic areas, and fire hazards.
- English usage, spelling and grammar.
- Modern office equipment, computers. and software.
- Principles of basic supervision and training.

Ability to:

- Perform fire suppression, fire prevention and fire inspection activities in emergency situations in accordance with applicable laws, codes, rules and regulations.
- Demonstrate a high degree of mechanical aptitude as required in the operation and maintenance of firefighting and rescue equipment.
- Think and act quickly and effectively in emergencies within established guidelines.
- Administer first aid including CPR, and operate lifesaving and rescue equipment.
- Drive fire and rescue vehicles with care and safety in accordance with traffic laws and ordinances.
- Work without immediate supervision.

- Direct the activities of firefighters as needed and assist with on-going training programs.
- Keep records and logs, and prepare reports.
- Utilize basic arithmetic, including decimals, ratios, percentages and fractions.
- Understand and carry out oral and written instructions.
- Communicate clearly and concisely with individuals or groups, both orally and in writing.
- Establish and maintain cooperative and effective relationships with those contacted in the course of work.
- Tactfully and effectively interact with all people regardless of race, ethnicity, sex, age or economic status.
- Meet the physical requirements established by the department.
- Analyze situations and adopt effective courses of action.

MINIMUM QUALIFICATIONS (requirements at entry)

Any combination of education, training, and experience which provides the required knowledge, skills, and abilities to perform the job is qualifying. A typical way to obtain the knowledge and abilities would be:

Education

Equivalent to completion of the 12th grade. Related college level training is desirable.

Experience

Three (3) years of fulltime paid experience in firefighting, or two (2) years fulltime experience as a Firefighter in the City of Marysville.

Licenses, Certificates and/or Requirements:

- Possession and maintenance of a valid California Class C driver license with a Fire Fighter endorsement is required at the time of appointment. Loss or suspension of the driver license may be cause for discipline, up to and including termination.
- Possession and maintenance of a valid EMT license and CPR card.
- Completion of ICS 100/200 & NIMS 700/800.
- California Fire Training & Education System, Firefighter 2 certificate is required when applying for the position.
- Completion of California Fire Training & education System, Driver/Operator 1A & 1B.

PHYSICAL DEMANDS

Performs tasks requiring: strength and stamina, such as lifting and moving equipment and objects weighing up to 100 pounds; pushing or pulling objects of up to 100 pounds; sitting, standing, walking on uneven or slippery surfaces, kneeling, bending, twisting, turning, stooping, squatting, grasping and crawling; ascending and descending stairs and ladders; working both inside and outside with exposure to extreme weather conditions, odors, dust and pollen; exposure to chemicals, skin irritants, fumes and solvents; frequent hand and arm motion; hand and finger dexterity sufficient to use small tools; turning and bending the neck; the ability to see well enough to read gauges, documents and street maps; accurate depth perception; the ability to communicate verbally, including projecting a voice that can be heard in a noisy environment; the ability to hear and distinguish various sounds, such as alarms, voices of co-workers, and warning horns or sirens in both quiet and noisy environments; the ability to stand, walk, bend, and reach at, above or below shoulder height for extended periods of time; sustained concentration and prolonged commitment to job tasks; interpersonal skills sufficient to work closely with others on a

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team; high level cognitive, interpretive and judgement skills; ability to demonstrate flexibility in the work environment, performing a variety of frequently changing tasks; ability to plan, negotiate, direct, control and monitor other's activities and the ability to work alone effectively under stress in situations dangerous to self or others.

WORK ENVIRONMENT

Work is conducted both in a fire station and in the field in various settings. Some of these include exposure to smoke, odors, heat, steam, fumes, and dust, as well as periodic exposure to dangerous or life threatening situations. Work involves irregular hours during days and evenings, on weekdays, weekends and holidays.

Revised: XXXX 2020