City of Pittsburg
Forward Together.

JOB DESCRIPTION

STREETS HEAVY EQUIPMENT OPERATOR I

Department:	Public Utilities	**Classification/FLSA:**	Full Time, Exempt
Location:	Streets Bard	**Reports To:**	Streets Superintendent
Supervises:	N/A	**Salary Range:**	$13.06 - $21.20 (Grade 7)
Benefits:	Per City Handbook	**Travel:**	As needed

Date Written/Revised: 11/05/2019; 02/15/2020

POSITION SUMMARY

- Operates all types of heavy equipment to excavate, grade or level earth for streets, alleys, sidewalks or other construction sites; fine grades, slopes, inclines, ramps, curves and unimproved streets and alleys. Performs work on all types of roadway surface from maintenance work to new construction. This includes but is not limited to asphalt, concrete and unimproved surfaces. This work involves the operation and maintenance of a wide variety of heavy equipment used in construction and maintenance work, and other duties as assigned. Operates loader, road graders, skid loaders, dump truck, in digging of ditches, cutting down slopes, and loading rock/gravel/snow on trucks. Performs emergency operations for various natural disasters to include, floods and storms
- Reports to the Streets Superintendent.
- Performs daily required service checks on equipment to be used for the day including checking and filling; fluids, pressures, and grease points.
- The primary duties of work are performed outdoors and may include working in adverse weather conditions.
- Work may involve 24-hour availability during emergency situations. This will include overtime and call back situations as required.
- Work in confined spaces and trench excavations as required.
- The job position summary, duties and responsibilities is not intended to be, nor should it be construed as, exhaustive of all responsibilities, skills or competencies with this job. Performs other duties as assigned.

DUTIES AND RESPONSIBILITIES

- Equipment Operation
  - Ability to Operate Backhoe for loading, excavation, hammering and other related tasks.
  - Ability to Operate Skidsteer with a variety of attachments.
  - Ability to Operate Dumptruck: *Including with plow and spreader attachments for snow operations. *Ability to correctly connect to asphalt paver. Hauls gravel, asphalt, sand, sweeper piles, snow, and other related materials through use of a dump truck
  - Ability to Operate Mini-Excavator with a variety of attachments
  - Ability to Operate Motor Grader
  - Ability to Operate Front End Loader

DUTIES AND RESPONSIBILITIES continued

- Ability to Operate a Crack Sealing Machine
- Ability to Operate Asphalt Distributor Truck
- Ability to Operate Asphalt Paving Machine
- Ability to Operate Steel Drum Rollers
- Ability to utilize power tools and small hand tools to perform necessary work.
- Performs daily required service checks on equipment to be used for the day including checking and filling ; fluids, pressures, and grease points. Cleaning machinery as necessary. Ensures that equipment is operating correctly and reports any suspected malfunctions or safety issues.
- Ability to operate a forklift or other material handling equipment.
- Ability to operate Demolition Walk behind Saw
- Ability to operate pavement crack sealant machine
- Ability to assist with operating asphalt plant to produce hot mix asphalt

- Asphalt Applications
  - Perform proper asphalt crack treatments including; low modulus/extra low modulus, rubberized asphalt, crumb rubber, asphalt emulsion, asphalt cement, cutback asphalt.
  - Perform asphalt surface treatments including, fog seal, seal coat, slurry seal, micro-surfacing, and hot mix overlay.
  - Perform proper asphalt pothole patching and repair with various materials including; cold mix, spray injection, hot mix, slurry and microsurfacing material.
- Concrete Applications
  - Assists in setting grades for concrete forms, installing forms and removing forms and back filling dirt.
  - Places, finishes, cures concrete, place relieve cuts as necessary
- Snow & Ice Applications
  - Performs pre-treatment and treatment operations snow and ice control.
  - Performs removal of snow and ice accumulations through truck mounted snow plows or other assigned heavy equipment such as loaders, backhoes, tractors, or skidsteers,
  - Performs mixing/blending of salt and sand as instructed with loader prior to loading of truck mounted spreaders.
  - Performs mixing of water and salt to create brine mixture for pre-preatment measures
- Safety Procedures
  - Installation of temporary traffic control devices in accordance with Manual on Uniform Traffic Control Devices.
- Personal Conduct
  - Reliability: Policy 210 & 502
  - Judgement: Policy 101
  - Cooperation / Attitude: Policy 104
  - Serving the Public: Policy 103

POSITION COMPETENCIES

- Equipment Operations
  - Knowledge of principles, methods and techniques of heavy and light equipment operation.
  - Attentive to surroundings, preventing injury or damage to people, physical assets, or work in place.
  - Knowledge of correct equipment fuel, liquid, or pressure levels necessary for safe operation equipment and reduced stress on equipment.
  - Knowledge of correct lock out tag systems to be in place when performing equipment maintenance.
  - Knowledge of equipment functional controls and their proper applications
  - Knowledge of proper attachment of structural connection points for equipment accessories including hydraulic or electrical connections
- Asphalt Applications
  - Knowledge of material safety data sheet for each individual component and its application
  - Knowledge of different mixes and or products typically used and their correct name and general characteristics
  - Knowledge of product placement requirements to achieve acceptable final product result
- Concrete Applications
  - Knowledge of material safety data sheet for each individual component and its application
  - Knowledge of different mixes and or products typically used and their correct name and general characteristics
  - Knowledge of concrete formwork: connections, applications, and structural ability.
  - Knowledge of product placement and finishing requirements to achieve acceptable final product result
- Snow & Ice Applications
  - Knowledge of material safety data sheet for each individual component and its application
  - Knowledge of route prioritization and correct plowing procedure and direction for different routes
- Safety Procedures
  - Knowledge of traffic laws as they pertain to the operation of heavy equipment and minor maintenance requirements of heavy equipment.
  - Knowledge of occupational hazards and standard safety precautions necessary in the work in the performance of assigned duties.
  - Knowledge of city streets & alleys; locations, speeds, directions, compositions, and general traffic flow characteristics

EDUCATION

- High school graduation or equivalent and 3 years of relevant work experience.
- Kansas Commercial Drivers License Class A.
  - Air Brake Endorsement
  - Tanker Endorsement - May be optionally required
  - Automatic Transmission
  - Standard Transmission - May be optionally required.
- OSHA 10 Hour
- Required Certifications
  - National Center for Construction Education & Research (NCCER) Certification: Core Curriculum

EDUCATION continued

  - National Center for Construction Education & Research (NCCER) Certification: Heavy Equipment Operations - Level 1, or reciprocal type of heavy equipment operation training certification
  - Receive City of Pittsburg internal program certificate for training related to applicable asphalt practices, basic concrete knowledge, and entry level equipment operations. Test to be based off equipment standards, National Ready Mix Association information, American Concrete Institute, the US Army Corps of Engineers, National Asphalt Pavement Association, and the American Public Works Association training materials.
- Continuing Education
  - NCCER: Heavy Highway Construction - Level I
  - NCCER: Concrete Finishing Level I
  - Further study of items offered by: National Ready Mix Association information, American Concrete Institute, the US Army Corps of Engineers, National Asphalt Pavement Association, and the American Public Works Association (APWA) training materials.
- Basic Competencies using Micro-soft office products such as outlook, word, and excel.
- Ability to enter and process work order data in Asset Management System.
- Ability to utilize smart phones, tablets, and computers for communicating, corresponding, and processing of work orders