

# Brockport Dept. of Public Works

## Additional Mechanics Duties:

- Priority - on call 24/7 problems -power outage / large storms
  - **Example:** (breakdowns are going to happen and equipment needs to get fixed and running ASAP and put back in the fleet whether it's snowstorms, water leaks, large sewer issue, windstorms, flooding. We have old pumps and equipment that work but require knowledge of how pumps work, small engines work to keep the pump running smoothly.
- All DPW motorized power tools and equipment
  - **Example:** Maintaining all chain saws, cut off saw, tuning carburetors, tuning engine, chain sharpening, trouble shooting, repairing ability to completely rebuild chainsaws and small engines, and all equipment as needed.
- Knowledge of commercial construction towable air compressors. (Our compressors are very old but are in good working condition, things are going to happen.... Seals will break, etc, able to diagnose and get equipment back up and running ASAP. Equipment can be needed in vital construction work.
- Work on and maintain generators at multiple buildings including the sewer pump station at Remington Woods
- Ability to repair hand tools (fixing broken rakes, shovels, brooms, sledgehammers, axes, landscaping rakes, leaf rakes, pitch forks.
- Thorough knowledge of how compact tractors operate.
- Thorough knowledge of how bobcat skid steers operate.
- Ability to trouble shoot salt spreader operations, (could be vital in any ice or snowstorm)
- Sharpening lawn mower blades
- Replacing liner (welding in new one) in leaf machine

- Understand how lock out tag out works and implementing and following the safety plan.
- Ability to fix battery operated equipment, drills, hammer drills, Sawzall,
- Able to operate chainsaw and tree cutting techniques.
- Ability to perform diagnostic scans and interpret codes (knowing who to call to get answers if needed, whether it's the dealer, salesman, another municipality, or local auto shop.)
- Through understanding how stump grinders work.

#### **Police force Maintenance:**

- Able to troubleshoot issues that develop from cars idling.
- Able to make repairs on sedans, SUV's, (Multiple Brands) (Ford, Chevy, Dodge)
- Removal of all police equipment from cars to get ready to be auctioned and knowledge of how to install equipment in police and K9 vehicles.

#### **All non-motorized equipment:**

- Pumps (submersible, centrifugal, Sump, trash, force mains)
- Fabricating problems.
- Hydraulic leaks (making hoses in house with coupling machine.)
- Changing tires/ balancing them in house.
- Through understanding of proper rigging techniques: (using chain falls, pulleys, and blocking to solve technical problems.)
- Understanding how ratios work and adding fuel additive to storage tanks on a regular basis.
- Advanced problem-solving skills on gasoline and diesel engines. (Knowing the problem-solving steps to figure out what is wrong to diagnose and fix the equipment.)
- Welding experience including MIG, TIG, Stick ... (understanding when and where each type of welding is necessary.
- Use of Plasma cutters

- Use/fix of band saws, chop saws, drill presses, cutting torches,
- Use/fix of all pneumatic powered equipment.
- Understanding of proper trenching and shoring operations.
- Willing to get in trench and help as a laborer as needed.
- Able to operate sewer truck, sewer camera, as needed on call basis.
- CDL Class A License-Willing to train and obtain within 6 months of hiring.
- Repairing sign poles as needed (fixing bent poles, re welding as needed, repairing guard rails and any infrastructure including re fabricating street light poles.
- Ability to weld cast aluminum.
  - **Example:** (fixed many of our decorative street light poles throughout the village that would have been very costly to have replaced at \$4,000 a pole)
- Ability to bend large diameter pipe.
- Able to use a tap and die set (re threading stripped bolts, extracting broken bolts.)
- Able to operate backhoe, excavator, bulldozer, plow truck with salter and wing.
- Advanced knowledge of how articulating loaders operate and able to operate machine efficiently as needed.
- Fixing damaged tires
- Fixing dings and dents
- Re -welding and structurally welding / modifying equipment to fit our needs
- Ability to interpret plans and specs.

- Understanding of how building systems operate
- Trouble shooting HVAC systems, replacing electric motors, blowers.
- Ability to use Bondo (cut out rotted areas)
- Ability to sand blast, apply bon-do, prime, paint vehicles, and finish coat vehicles.
- Keeping tools and workshop well maintained and clean
- Knowing how to deal with residents, salesman, and able to work with crew and be a part of the team as necessary.