

Job Description

Electrician II - Master

40 Hours | POS #100010593

Direct Report	Superintendent of Water Construction	Grade	Gr-N \$28.98hr - \$40.42hr
Department	Department of Public Infrastructure	FLSA	Non-Exempt
Division	Public Infrastructure	Bargaining Unit	Union
Date	July 2026	Location	

Homeland Security Emergency Status: Essential

Safety Classification: Safety Position

Summary

This position performs skilled electrical work at the journeyman level in City-owned, leased, or occupied buildings or properties and on City-owned equipment.

Supervisory Responsibilities

Supervision Scope: This position has no formal supervisory responsibilities.

Supervision Received: This position receives general supervision from the Superintendent of Water Construction

Supervision Given: This position has no formal supervisory responsibilities

Essential Function

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

1. Installs, repairs, replaces, upgrades, tests, and maintains electrical equipment and wiring in City-owned, leased, or occupied buildings or properties, fixtures, appliances, and equipment.
2. Inspects and maintains City lighting, traffic control systems and fire alarm systems.
3. Troubleshoots grounded, shorted, and open circuits.
4. Inspects, tests circuits and fixtures to locate broken wires, loose connections, blown fuses, faulty switches, grounds, sorts, and other defects; schedules utility repairs as needed.
5. Installs seasonal event and festival power systems and lighting.
6. Performs school zone equipment repair and programming.
7. Performs programming for traffic controllers.
8. Performs marking and digging of streets to prepare for installations.
9. Maintains forms and templates for various light poles and masonry drilling.
10. Performs electrical maintenance in shops and on trucks.
11. Maintains and orders materials and supplies as needed.
12. Assists with snow and ice removal.
13. Provides effective and efficient customer service and promotes and maintains responsive community and working relations.
14. Performs related duties as assigned.

This position is deemed essential personnel and must report to work during emergency situations.

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

Job Description

City of New Bedford and the employee and is subject to change by the City as the needs of the City and requirements of the job change.

Competencies

Thoroughness and Attention to detail	Team Player
Organizational Skills	Multitasking
Customer Service	

Education and Experience

- Graduation from high school or GED equivalent.
- MA Electrician Master License.
- At least two years of technical training plus at least five years of experience.
- Any equivalent combination of education and experience.

Required Skills and Abilities

- Basic electrical theory and concepts; wiring and circuitry.
- Applicable building codes and regulations.
- The use of tools and equipment required to perform electrical testing, repairs and installations including bucket trucks, pickup trucks, power tools, hand tools, and other specialized testing equipment.
- Job hazards and safety precautions.
- Troubleshoot and diagnose electrical problems.
- Understand and follow oral and written instructions.
- Work independently with minimal supervision.
- Work in high places (e.g., on telephone poles) and in confined spaces (e.g., manholes)
- Establish and maintain effective working relationships with supervisors, coworkers, and the general public.
- The provisions of all Journeyman-level electrical work.
- Critical thinking and problem-solving.

Special Requirements

- Subject to Mandatory CORI (Criminal Offender Record Investigation)
- Possession of a valid Massachusetts driver's license and good driving record. Operates a motor vehicle on a regular basis.
- Massachusetts Journeyman or Master Electrician's License.

Work Environment

The **Electrician II** makes constant contact with other staff, members of the public and City departments. This requires excellent customer service skills. The **Electrician II** is expected to operate in an environment where errors can be costly with regard to efficiency of the operation. Works in environments that at times can be unpleasant, such as wet wells and other confined spaces. Could be assigned to various divisions within the Department of Public Infrastructure and needed.

Job Description

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. The work environment and exposures described here are representative of those an employee encounters 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 mostly outdoors; hand-eye coordination is necessary to operate tools, vehicles and various types of construction tools and equipment. Specific abilities required by this job include close vision, prolonged visual concentration, and the ability to adjust focus. While performing the duties of this job, the employee is frequently required to sit, stationary position, traverse, communicate; operate to handle, feel, or operate objects, tools, or controls and reach with hands and arms. The employee is frequently required to ascend, position self. The employee is frequently exposed to adverse weather and other unpleasant conditions, such as heat, cold, wetness and humidity; dim or bright lights, dust, odors, noise, vibrations, toxic agents, smoke, electrical currents, heavy machinery, fumes, airborne particles, various risks, toxins, and hazardous waste associated with water distribution and sewage collection lines. The employee must exercise caution when operating vehicles or handling chemicals. The employee must frequently lift and/or move up to 50 pounds and occasionally in excess of 100 pounds.

Work Hours

This is a full-time non-exempt position with typical 40 hours per week with required availability for after normal hours of operation during emergencies and other departmental critical needs.

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice as needed by the City of New Bedford within the scope of departmental needs. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment of the position.