

SENIOR MAINTENANCE MECHANIC I (TELECOMMUNICATION SYSTEMS)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this class performs a wide variety of journeyman level telecommunications work, specializing in the installation/relocation of telecommunications equipment and cabling at user sites in various County departments. Responsibilities involve testing of telecommunications cable, equipment and the network; performing periodic preventive and corrective maintenance, and responding to maintenance service requests at all County locations. Work is performed with considerable independence, but in most instances, results from oral and/or written work orders. The incumbent may function as a lead worker on specific projects or as part of a crew and may supervise a number of lower level maintenance and labor employees. The journeyman is fully proficient in the skills and practices of the trade, with full knowledge of the principles, tools and techniques used. The journeyman assists in the planning of repairs and alterations, making estimates of material costs and staff requirements and determines the methods, techniques, materials, and devices best suited to complete projects. While work at this level may be completed with little or no check during progress or on completion, the Supervisor may check the overall quality of work to ensure that it meets trade standards. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Installs, terminates and tests telecommunications cable in accordance with fire, safety and electrical codes and standards, including telephone industry standard color code;

Operates communications testing equipment to determine continuity, polarity and quality of circuits;

Installs/relocates cross-connect wiring on telephone distribution frames in accordance with telephone industry standards;

Installs/relocates telecommunications equipment in accordance with established manufacturer procedures and instructions;

Responds to maintenance service requests for all County locations;

Modifies, updates or replaces equipment parts as required;

Makes recommendations on the most cost effective and operationally efficient manner to handle installations/relocations of telecommunications equipment and cable plants;

Assists in managing equipment and spare parts inventory;

Assists in preparation and update of house cable records;

Maintains records on all installation, relocation and repair requests and returns the same records to telecommunications staff as part of standard procedure;

Works with outside vendors as necessary to successfully resolve problems and complete installation/relocation orders;

EXAMPLES OF WORK: (Illustrative Only) (Cont'd.)

Keeps work area in a clean, orderly and safe condition;

Performs routine and emergency repairs and maintenance, both scheduled and in response to emergencies;

May perform other incidental tasks, as needed;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the tools, techniques and terminology associated with telecommunication and transmission systems; thorough knowledge of the accident and safety precautions of the trade; good knowledge of the components, operation, maintenance and repair of telecommunications equipment and services; knowledge of industry standards and codes for installing, repairing and testing telecommunications cable and equipment; skill and dexterity in the use of tools and equipment; ability to understand and carry out oral and written instructions; ability to communicate effectively, both orally and in writing; ability to distinguish all colors for connection purposes; ability to move equipment and supplies; audio acuity for testing of communications equipment; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; good judgment; initiative; dependability; resourcefulness; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) Possession of a high school or equivalency diploma and four years experience in the testing, installation, relocation and repair of telecommunications equipment and cable; or (b) graduation from a high school level vocational course within the field of telecommunications and three years of experience as described in (a); or (c) graduation from a two year post high school or trade school course* within the field of telecommunications and two years of experience as defined in (a); or (d) seven years of experience as defined in (a); or (e) a satisfactory equivalent combination of training and experience as defined by the limits of (a), (b), (c) and (d).

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Department of Education as a post-secondary, degree-granting institution.

SPECIAL REQUIREMENT: Possession of valid license to operate a motor vehicle in New York State appropriate for equipment at assigned location.

SPECIAL REQUIREMENT: Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.