

SENIOR ENGINEERING TECHNICIAN (ELECTRICAL)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision an incumbent performs non-professional engineering including routine field and office work related to inspections, tests and computations pertaining to the electrical phases of construction work and to the adequacy of the existing electrical systems in County buildings. Supervision is not a responsibility of this position, although incumbents may function in the role of "lead worker." Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Assists in computations and drawings for reviewing contract plans from consultants or contractors for adequacy of electrical schemes;

Prepares original drawings of layouts and wiring diagrams for routine assignments;

Assists in inspections of electrical work of contractors to insure conformance with plans and specifications;

Assists in inspections of all County buildings for adequacy of wiring and transformers;

Writes routine specifications and assists in reviewing bids for electrical work;

Collects data for making estimates and progress reports;

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

May perform other incidental tasks, as needed.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of the design, construction and operation of electrical transmission lines and distribution systems; knowledge of the design, construction and installation of illumination and wire communication systems; good knowledge of the National Electrical Code and other pertinent codes and standards; ability to make simple sketches and plans; ability to read wiring diagram on electrical machinery and distribution systems; ability to make computations of capacity and use of electrical systems and equipment; ability to effectively use computer applications such as spreadsheets, word processing, calendar, e-mail and database software; ability to read, write, speak, understand and communicate in English sufficiently to perform the essential tasks of the position; accuracy; reliability; good judgment; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: High school or equivalency diploma and either: (a) completion of a two year course in electrical technology at a recognized post high school trade or technical school and two years of experience where the primary function of the position was in electrical technology or a related field; or (b) four years of experience in a position where the primary function was in electrical technology or a related field; or (c) a satisfactory equivalent combination of training and experience as defined by the limits of (a) and (b).

SUBSTITUTION: College education in a related field may be substituted at the rate of 30 credit* hours for one year of experience up to a maximum of three years. Experience obtained in a paid engineering internship may be substituted for an equivalent amount of engineering experience.

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

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