

Job Description

Job Title Principal Engineer - Electrical

Job ID 85476

Location Manhattan - Downtown

Full/Part Time Full-Time

Regular/Temporary Regular

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Job Information

Resume Due Date: March 17, 2016

Functional Job Title: Principal Engineer - Electrical
Civil Service Title: Administrative Project Manager

Department/Division: Engineering & Construction/Program Support Services

Work Location: 2 Broadway

Compensation

Earnings Potential: Min \$78,383 Mid \$97,978

Hay Points: 634

Overtime Eligibility: Not eligible for paid overtime in accordance with FLSA

(Actual salary offers are made subject to the salary administration policy and are made considering a number of factors including, but not limited to, the selected candidate's salary and work history.)

Responsibilities

The Principal Engineer - Electrical will provide engineering project leadership to a staff of in-house technical professionals, utilizing in-house and consultant resources in designing and upgrading the Authority's facilities, ensuring public safety and efficient allocation of the Authority's engineering and construction resources. Review project design to ensure that they are: designed to the highest level of professionalism, code compliant, constructible, meet design goals in accordance with acceptable electrical engineering standards, and designed with minimum impact to the public and maintain the revenue flow. Responsibilities include project management, field inspection, engineering design, developing electrical engineering design standards and design guidelines, equipment and systems troubleshooting, commissioning and construction support services for electrical systems and equipment supporting plant at B&T's bridges, tunnels and building facilities.

Qualifications

Minimum Qualifications:

- 1) A baccalaureate degree from an accredited college in engineering, architecture, landscape architecture, business administration, or public administration, and five years of full-time satisfactory experience in the planning, administering or expediting of engineering design, and/or construction, or coordinating a very large engineering project, two years of which must have been in an administrative, managerial, executive or supervisory capacity; or
- 2) A four year high school diploma or its educational equivalent and nine years of experience as described in "1" above; two years of which must have been in an administrative, managerial, executive or supervisory capacity; or
- 3) Education and/or experience equivalent to "1" or "2" above. An accredited Master's degree in one of the disciplines described in "1" above, a law degree, or a valid New York State license as a Professional Engineer or Registered Architect or Landscape Architect may be substituted for one year of the required experience. However, all candidates must have the two years of the administrative, managerial, executive or supervisory experience as described in "1" above.

Desired Skills

Additional Specialized Qualifications, Skills and Knowledge:

- 1) A baccalaureate degree from an accredited college in engineering, Masters Degree preferred, and fifteen (15) years of relevant engineering experience, including at least five (5) years in a managerial capacity
- 2) New York State Professional Engineer License is required
- 3) Knowledge of electrical engineering principles and practices, and the ability to apply this knowledge to complex and diverse capital and major maintenance programs
- 4) Knowledge of electrical system design including but not limited to medium and low voltage electrical switchgear; emergency power systems (including generator and UPS); application of Programmable Logic Controllers (PLC) for tunnel ventilation and control; power monitoring system and SCADA, power system automation, protection and relaying; motor control centers (MCC); roadway and tunnel lighting; fire alarm system; security systems and computer networks
- 5) Knowledge of codes and regulatory agency requirements including NEC and NYC Electrical Code; NYS and NYC Building and Fire Codes; NFPA and IEEE standards; Con Edison specifications;
- 6) Experience with electrical system equipment testing, commissioning practices and procedures
- 7) Strong knowledge of methods of construction
- 8) A valid driver's license valid in the State of New York is required

Other Information

MTA Bridges and Tunnels is governed by the Civil Service Rules and Regulations administered by the Department of Citywide Administrative Services (DCAS). This vacancy is being filled as a Provisional Appointment as there is no established Civil Service list for this title. As an employee of MTA Bridges and Tunnels, you should look to take Civil Service examinations not only for this provisional title but other titles in your job family. Continued employment is contingent upon your taking and passing a Civil Service examination followed by your selection from the Civil Service list to a Permanent Appointment in this or a similar title.

Also, as an employee of MTA Bridges & Tunnels you may be required to complete an annual financial disclosure statement with the State of New York, if your position earns more than \$91,821.00 (this figure is subject to change) per year or if the position is designated as a policy maker.

How To Apply

Qualified applicants can submit an online application by clicking on the 'APPLY NOW' button from either the CAREERS page or from the JOB DESCRIPTION page.

If you have previously applied on line for other positions, enter your User Name and Password. If it is your first registration, click on the CLICK HERE TO REGISTER hyperlink and enter a User Name and Password; then click on the REGISTER button.

Equal Employment Opportunity

MTA Bridges and Tunnels is an Equal Opportunity Employer.

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