

City of New York
DEPARTMENT OF TRANSPORTATION
Job Posting Notice

Civil Service Title: ELECTRICAL ENGINEER	Level: 01
Title Code No: 20315	Salary: \$61,237.00/\$70,422.00-\$88,686.00
Business Title: Electrical Engineer	Work Location: 1 Bay Street, New York, NY 10301
Division/Work Unit: Ferry/Ferry Engineering	Number of Positions: 1
Job ID: 222340	Hours/Shift: 35 hours/Monday-Friday
<p>Job Description</p> <p>Under direction, performs extremely difficult, responsible and technically complex work as an engineering specialist in electrical engineering for the Staten Island Ferry, primarily of a marine nature; performs related work. Reports directly to Deputy Director of Engineering.</p> <p>EXAMPLES OF TYPICAL TASKS:</p> <p>Performance of complex analyses of ships electrical systems and equipment, including but not limited to, DGPS radars, radios, gyro spheres, motors, generators, Automatic Identification Systems (AIS), Closed-circuit television (CCTV) security systems, etc., designed and in use in a marine and shipboard environment. Performance of complex analyses of vessel propulsion systems, including AC and DC variable speed drives, modern digital automation systems, and electrical power distributions including switchgear and switchboards. Works with ferry personnel on the analysis of electrical and shore power loads, emerging technology and application thereof, as well as planning and maintaining preventive maintenance schedules. Prepares basic design plans or significant or complex portions of the design plans for major projects for the construction, remodeling, operation, maintenance or repair of ferry, terminal, and facility electrical systems. Makes interpretative detail sketches or layouts of intricate or fundamental portions or aspects of design plans and prepares designs, plans, contract and working drawings, contract specifications, and other technical specifications. Submits plans for approval and coordinates for regulatory review and approval of same. Supervises the conduct of field survey and construction inspection operations to secure compliance with contract and other specifications, or conducts the inspection of the work to ensure compliance with codes and pertinent statutes, rules and regulations. Prepares reports on contracts and contact estimates, contract modifications and recommendations of award. Acts as contract manager for ongoing contracts such as: Inspection, Maintenance and Repair of Marine Electrical Systems; Inspection, Maintenance and Repair of Ship Motors and Generators; Inspection, Maintenance, Repair and Installation of CCTV systems, etc. Prepares design, specifications, cost estimates and contract drawings and contract documents for maintenance, renovations and major reconstruction of electrical systems for ferry vessels, ferry terminals and maintenance facilities. Supervises consultants and construction and repair works. Typical electrical and mechanical systems include power distribution, lighting, HVAC, emergency power systems, elevators, escalators, bridge operating machinery, etc.</p>	
<p>Minimum Qualification Requirements</p> <p>(1) Four (4) years of full-time, satisfactory experience in electrical engineering work; and</p> <p>(2) A valid New York State Professional Engineer's License. Current New York State registration as a Professional Engineer must be maintained for the duration of your employment.</p> <p>A masters degree in electrical engineering from an accredited college or university, accredited by regional, national, professional or specialized agencies recognized as accrediting bodies by the U.S. Secretary of Education and by the Council for Higher Education Accreditation (CHEA) may be substituted for one year of the electrical engineering experience required in "1" above.</p>	
<p>Preferred Skills</p> <p>1. Experience working in the field of marine electrical engineering, including design of new vessel system, design of upgrade/retrofit systems for installations on existing marine vessels, and the analysis of the performance of operating marine electrical systems;</p> <p>2. Familiarity with American Bureau of Shipping (ABS) and U.S. Coast Guard (USCG) rules and regulations;</p> <p>3. Knowledge of modern power plant automation, traction power and/or controls/rolling stock/locomotives; and</p> <p>4. Working knowledge of City contracting procedures and experience in reviewing contractor invoices, submitting and tracking timely payments to Accounts Payable, and ensuring sufficiency of funding in contracts is desirable.</p>	
<p>Additional Information</p> <p>TWIC REQUIREMENT:</p> <p>Once selected for employment at the Staten Island Ferry, federal regulations require that the applicant must either undergo a federal background check as part of the Transportation Worker Identification Credential (TWIC) program or already possess a TWIC. The TWIC must be obtained within 30 days of appointment, and be maintained for the duration of employment. For further program information, visit: http://www.tsa.gov/stakeholders/transportation-worker-identification-credential-twic.</p>	
<p>Residency Requirement</p> <p>New York City Residency is not required for this position</p>	
<p>To Apply</p> <p>Please visit www.nyc.gov/careers/search and search for Job ID Number: 222340. For current City employees, please log into Employee Self Service (ESS) at https://hrb.nycaps.nycnet and follow the Careers link. Most public libraries have computers available for use.</p> <p>Your resume must include a chronological work history and salary earnings summary.</p> <p>No phone calls, faxes or personal inquiries permitted. Only candidates selected for interview will be contacted. Appointments are subject to OMB approval. For more information about DOT, visit us at: www.nyc.gov/dot.</p>	
Posting Date: 11/13/2015	Post Until: 12/04/2015

The City of New York is an Equal Opportunity Employer