



# City of Long Beach Employment Opportunity

## **ELECTRICAL ENGINEER**

Job Number: K89NN-15

**SALARY:** \$3,217.04 - \$4,378.32 Biweekly  
\$6,970.25 - \$9,486.36 Monthly

**OPENING DATE:** 09/19/14

**CLOSING DATE:** 01/09/15 04:30 PM

### **DESCRIPTION:**

Now accepting online applications only. Apply online 24 hours a day, beginning at 7:30 a.m., **September 19, 2014** through 4:30 p.m., **January 9, 2015.**

### **EXAMPLES OF DUTIES:**

Under direction, performs responsible supervisory and specialized professional work in electrical engineering; designs, develops, and evaluates interior and exterior electrical power distribution systems including lighting, fire detection and suppression, communication, security, computer, mechanical control, railroad signalization, fiber optic infrastructure systems, local and wide area networks, container crane power and control systems, refrigerated container unit power outlets and remote monitoring systems, and container terminal switchgear airport navigation aids, airport terminal facilities; develops and evaluates task requirements and technical standards for work performed by consultants; coordinates electrical service requirements with utility companies; estimates electrical construction costs and recommends energy-saving improvements; inspects both in-progress and completed work; applies electrical codes and standards to the design of city electrical facilities; may aid in the selection, training, work assignment, and evaluation of subordinates; prepares standards for world application of shore to ship power and controls ("cold ironing"), designs photovoltaic systems, develops procedures and requirements to restore electrical power system to port terminals within a short time after a disaster; and performs other related duties as required.

### **REQUIREMENTS TO FILE:**

Proof of registration as a professional Electrical Engineer in the State of California (proof required)\* AND four years of paid (full-time equivalent) experience with primary responsibility for preparation or review and approval of standards, designs, and cost estimates of electrical engineering projects, which must have been gained after graduation from an accredited four year college or university with a degree in Electrical Engineering (proof required)\*, or after passing the E.I.T. examination in the field of Electrical Engineering (proof of successful completion of the E.I.T. examination showing date awarded required)\*.

A valid driver's license will be required at time of appointment.

\*Required documents must be uploaded to the online application at time of filing.

**DESIRABLE QUALIFICATIONS:** Electrical engineering experience related to marine terminal operations or airport operations is desirable for some positions.

### **SELECTION PROCEDURE:**

Application Packet.....Qualifying

This examination will be conducted using the continuous, non-competitive procedure. Applicants may take the examination only once during a four month period. The eligible list will remain in effect for at least 6 months. All applicants meeting the minimum requirements to file will be placed on the eligible list, with those receiving Veteran's Credit first and then in the order in which applications were filed. Screening of candidates will be conducted on the basis of application packets submitted. Eligible lists may be established periodically. A minimum rating of 70 must be attained in order to pass the examination.

If you have not received notification of the status of your application shortly after filing, please contact the Civil Service Department at (562) 570-6202.

This information is available in an alternative format by request at (562) 570-6202.

If a special accommodation is desired, please contact the Civil Service Department two business days prior to the test at (562) 570-6202.

*An Equal Opportunity Employer*

Electrical Engineer JOB K89NN-15 DLB 9/17/14  
Extended: 11/14/14; 1/9/15

This information is available in an alternative format by request at the agency contact on the bulletin. If a special accommodation is desired, please contact the agency two (2) business days prior to the test, if applicable.

An Equal Employment Opportunity

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APPLICATIONS MAY BE FILED ONLINE AT:  
<https://www.governmentjobs.com/careers/longbeach>

Position #K89NN-15  
ELECTRICAL ENGINEER  
DL

Civil Service Department  
333 W. Ocean Blvd., 7th Floor  
Long Beach, CA 90802  
(562) 570-6202

[civilservice@longbeach.gov](mailto:civilservice@longbeach.gov)

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### **ELECTRICAL ENGINEER Supplemental Questionnaire**

- \* 1. **I. INSTRUCTIONS:** The purpose of this supplemental application is to derive more specific information about the qualifications of applicants for this position. This form will serve as the basis for qualifying candidates on the eligible list. Be specific and detailed in your responses. Attach additional sheets as necessary. Do not leave any questions unanswered. If you have no experience, please so indicate. Resumes will not be considered as part of the Civil Service application process and may not be substituted in lieu of the completed application or supplemental applications. Candidates may retype or reproduce this form provided the exact format is followed.

Do you understand the above information?

- Yes  
 No

- \* 2. **II. REQUIREMENTS TO FILE:**

Are you registered as a Professional Electrical Engineer in the State of California?

- Yes  
 No

- \* 3. If yes, please write the number of your Electrical Engineer's license, the date acquired and the expiration date. A current copy of your registration must be submitted to the Civil Service Department.

a. License number and Date acquired:

b. Expiration:

Please write your answers below.

- \* 4. Do you have four or more years of the required experience in electrical engineering?

- Yes  
 No

- \* 5. Minimum requirements include four years of paid (full-time equivalent) experience with primary responsibility for preparation or review and approval of standards, designs, and cost estimates of electrical engineering projects, which must have been gained after graduation from an accredited four year college or university with a degree in Electrical Engineering, or after passing the Engineering-In-Training (EIT) examination in Electrical Engineering. A copy of your diploma or transcripts indicating the date and/or copy of your E.I.T. certificate indicating completion date must be submitted to the Civil Service Department. \*

a. Date of degree:

b. Date of E.I.T.:

c. None of the above

Please write your answers below.

- \* 6. Describe your experience where your primary responsibility was working in the preparation or review and approval of standards, designs, and cost estimates of electrical engineering projects including employer and dates of employment.

7. Describe your experience in developing and evaluating task requirements and technical standard for work performed by consultants.
  8. Describe your experience with the coordination of electrical service requirements with utility companies.
  9. Describe your experience with construction cost estimates and energy-saving improvements.
  10. Describe your experience with the design, development and evaluation of interior and exterior electrical power distribution systems.
  11. Describe your experience with computer applications such as database management, spreadsheets, word processing, presentation, project scheduling, and project management software.
  12. Describe any experience you have using Supervisory Control and Data Acquisition (SCADA) system.
  13. Describe any experience you have in marine terminal operations.
  14. Describe any experience you have in airport operations, airport navigation aids and/or airport terminal facilities.
  15. Describe any additional experience, training, knowledge, skills and/or personal qualifications that have not been previously covered in this supplemental application. Include any information that you desire to be considered for the evaluation of your application.
  - \* 16. I understand that my application will not be processed until all required proofs are received and that any required proof, such as certificates, diplomas, licenses, or transcripts verifying completion of education, must be received in the Civil Service Department by close of filing.  
 Yes  
 No
  - \* 17. I certify that the information provided is accurate and complete to the best of my knowledge. I understand that any falsification may cancel any terms, conditions or privileges of employment.  
 Yes  
 No
- \* Required Question