



## CITY OF SEATTLE

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### Bridge Electrician (Electrician)

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<b>SALARY:</b>	\$31.86 - \$34.47 Hourly
<b>LOCATION:</b>	Seattle Municipal Tower, 700 5th Ave., Seattle, Washington
<b>JOB TYPE:</b>	Classified Civil Service, Regular, Full-Time
<b>SHIFT:</b>	Day
<b>DEPARTMENT:</b>	Seattle Department of Transportation
<b>BARGAINING UNIT:</b>	IBEW, Local 46
<b>CLOSING DATE</b>	01/10/12 04:00 PM Pacific Time

#### POSITION DESCRIPTION:

Work in the Capital Projects and Roadway Structures Division of Seattle Department of Transportation as a leader in the Bridge Electrical Maintenance Unit working with a team of professionals whose vision is "to be the most innovative and responsive transportation agency in the region." This position will perform preventive maintenance of moveable span bridge electrical operations systems. This position reports to the Bridge Maintenance Supervisor and supports departmental goals in promoting diversity, race and social justice.

#### JOB RESPONSIBILITIES:

- Provide routine preventive maintenance on moveable span bridge electrical and electronic operating systems, lighting, heating and programmable logic systems.
- Install, maintain, repair and troubleshoot these systems and other electrical and electronic systems for the City of Seattle and associated Municipalities.
- Inspect, maintain and test bridge fire suppression and intrusion alarm systems.
- Install, maintain, repair and troubleshoot other electrical/electronic equipment such as motor control, lighting, HVAC equipment and CCTV monitoring systems.
- Review and update blueprints, schematics, wiring diagrams, PLC ladder logic, project plans and specifications of electrical equipment installation.
- Repair and rebuild AC/DC control circuits (600 VDC and 480 VAC), programmable control systems, lighting and heating circuits.
- Write reports, maintain records and keep daily logs.
- Perform work at heights on ladders, platforms and from a bucket truck.

#### QUALIFICATIONS:

##### Required Qualifications

- Requires completion of an accepted four year apprenticeship training program and journey-level electrician status (or an equivalent combination of education and/or training and/or experience).
- Experience as a journey-level electrician operating, maintaining and repairing electrical motors on generators and controls, including experience troubleshooting electrical control circuitry.
- Ability to effectively work in a multicultural workplace with a diverse customer base.

## **Licensing and Physical Demand Requirements**

- Driver's License.
- A "complete" five-year Driver's Abstract of Driving Record must be submitted on request.
- Must pass a written exam.
- Works occasionally with electrically energized lines when power cannot be disconnected.
- Works at heights with ladders, boom trucks or on catwalks.
- May be required to stand, lift and manipulate objects weighing in excess of 50 pounds, bend, walk or crawl for long periods or work in confining work spaces.
- May require handling or working with toxic and/or hazardous substances.

### **ADDITIONAL INFORMATION:**

#### **Desired Qualifications**

- E-01 licensed journey electrician.
- Ability to produce written reports.
- Experienced or background working with programmable logic controls.
- Experienced in Allen Bradley, Symax, and DOS based software programming.
- Experience with AC/DC motor controls, HVAC, fire monitoring, security, lighting and CCTV systems
- Experienced in reading blueprints, schematics, wiring diagrams, ladder logic, project plans and specifications of electrical equipment installation.
- Experienced in troubleshooting electrical and electronic system.
- Experienced in troubleshooting electric/hydraulic systems.
- Multilingual ability a plus.

**Note: Job offer is contingent upon verification of credentials and other information required by the employment process including completion of a background check, which includes criminal history, driving history review, and pre-employment physical.**

To learn more about Seattle Department of Transportation, check out our webpage at: <http://www.seattle.gov/transportation>

<http://www.seattle.gov/jobs>  
BRIDGE ELECTRICIAN (ELECTRICIAN)  
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APPLICATIONS MAY BE FILED ONLINE AT:  
Job #2011-01106

If you are unable to apply on-line you may submit a paper application by the closing date to our office.

OUR OFFICE IS LOCATED AT:  
Seattle Municipal Tower  
700 5th Avenue, Suite 5400  
Seattle, WA 98104  
206-684-8088  
[Careers@seattle.gov](mailto:Careers@seattle.gov)



**The City is an Equal Opportunity Employer that is committed to diversity in the workplace. The City is a Drug Free Workplace.**

## Bridge Electrician (Electrician) Supplemental Questionnaire

- \* 1. How many years experience do you have as a journey-level electrician?
- No experience
  - 1-2 years experience
  - 2-3 years experience
  - 3-4 years experience
  - 5+ years experience
- \* 2. Indicate your level of experience as a journey-level electrician operating, maintaining and repairing electrical motors on generators and controls?
- No experience
  - 1-3 years experience
  - 3-5 years experience
  - 5-7 years experience
  - 8+ years experience
- \* 3. How many years experience do you have as a journey-level electrician troubleshooting electrical control circuitry?
- No experience
  - 1-3 years experience
  - 3-5 years experience
  - 5-7 years experience
  - 8+ years experience
- \* 4. Do you have your E-01 journey-level Electrician license?
- Yes    No
- \* 5. Do you have experience working with programmable logic control systems?
- No experience
  - 1-3 years experience
  - 3-5 years experience
  - 5-7 years experience
  - 8+ years experience
- \* 6. Indicate your level of experience working with Allen Bradley, Symax and DOS based software programming.
- No experience
  - 1-3 years experience
  - 3-5 years experience
  - 5-7 years experience
  - 8+ years experience
- \* 7. Do you have a current Washington State Driver's License?
- Yes    No
- \* 8. Are you able to work at heights up to 70 feet with ladders, boom truck or on catwalks?
- Yes    No
- \* 9. Are you able to lift and manipulate objects weighing in excess of 50 pounds?
- Yes    No

\* Required Question