

## **NOTICE OF REVISED INFORMATION**

**DEPARTMENT:** DEPARTMENT OF TRANSPORTATION  
**EXAM TITLE:** SENIOR ELECTRICAL ENGINEER, CALTRANS  
(SUPERVISOR)  
**FINAL FILING DATE:** JANUARY 29, 2016  
**EXAM CODE:** 5TR98  
**EXAM BASE:** DEPARTMENTAL PROMOTIONAL

The bulletin announcing the above examination is amended as follows:

**THE FINAL FILING DATE WAS EXTENDED TO JANUARY 29, 2016.**

**STATE OF CALIFORNIA  
CALTRANS  
EXAM SERVICES – MS 86  
P.O. BOX 168036  
SACRAMENTO, CA 95816-8036  
(916) 227-5189**



## **SENIOR ELECTRICAL ENGINEER, CALTRANS (SUPERVISOR)**

### **Departmental Promotional**

**Exam Code: 5TR98**

<b>Department:</b>	<b>Caltrans</b>
<b>Bulletin Release Date:</b>	<b>01/04/2016</b>
<b>Final Filing Date:</b>	<b>01/29/2016</b>
<b>Salary:</b>	<b>\$8,390.00 to \$10,501.00</b>
<b>Exam Type:</b>	<b>State-wide</b>
<b>Location(s):</b>	<b>District 06 Caltrans Fresno Sacramento County</b>

### **INTRODUCTION**

Caltrans is pleased to announce the posting of the **Senior Electrical Engineer, Caltrans (Supervisor)** examination. Employment from this examination will be offered in District 6 and Sacramento County.

Candidates may only establish eligibility in the locations listed above. Testing locations may not be located in all areas. Candidates may be asked to travel to the nearest testing facility at their own expense.

### **EQUAL EMPLOYMENT OPPORTUNITY**

Caltrans is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

## DRUG FREE STATEMENT

It is an objective of the State of California to achieve a drug-free work place. All applicants will be expected to behave in accordance with this objective, as the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

## WHO SHOULD APPLY?

This is a Departmental Promotional examination for Caltrans. Applicants must have:

- 1) A permanent civil service appointment with Caltrans as of the final filing date in order to participate in the examination; or
- 2) Have been employed with Caltrans within the last three years, without a break in State civil service; or
- 3) A current or former employee of the Legislature for two or more years as defined in Government Code §18990; or
- 4) A current or former non-elected exempt employee of the Executive Branch for two or more consecutive years as defined in Government Code §18992; or
- 5) A person retired from the United States military, honorably discharged from active military duty with a service-connected disability, or honorably discharged from active duty as defined in Government Code §18991. Persons applying who qualify as a Veteran under Government Code Section 18991 must submit a copy of their DD214 with their Examination Application (STD. 678).

## FILING INSTRUCTIONS

Applications (STD 678) must be received or postmarked no later than the final filing date. FAXED OR E-MAILED APPLICATIONS WILL NOT BE ACCEPTED. THE EXAMINATION TITLE MUST BE INDICATED ON THE APPLICATION.

**\*FILE BY MAIL:**

**Caltrans  
Exam Services (MS 86)  
P.O. Box 168036  
Sacramento, CA 95816-8036**

**\*FILE IN PERSON:**

**Caltrans  
Exam Services (MS 86)  
1727 30<sup>th</sup> Street, 1<sup>st</sup> Floor  
Sacramento, CA 95816**

**\*Candidates are responsible for obtaining proof of mailing or submission of their application to Exam Services.**

## SPECIAL TESTING ARRANGEMENTS

If you have a disability and wish to participate in one of our testing services, programs, or activities and require a specific accommodation, please mark the appropriate box for Question #2 on the Examination Application form STD678. You will be contacted to make specific arrangements. TDD users may contact the California Relay Service TDD line at 1-800-735-2929, Voice line at 1-800-735-2922.

## POSITION STATEMENT

Under general direction, to supervise electrical engineering design, specification preparation, estimating, and inspection work involved in the design, construction, and maintenance of storm drainage pumping plants, water supply systems, sewage lift stations, vehicular tunnels, movable bridges, roadside rests, highway maintenance stations, toll plazas, truck weigh and inspection stations, and other transportation-related facilities; and to do other related work.

## ELIGIBLE LIST INFORMATION

A Departmental Promotional statewide eligible list will be established for Caltrans in District 6 and Sacramento County. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

## REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

All applicants must meet the education and/or experience requirements for this examination by the final filing date. Your signature on the application indicates that you read, understand, and possess the minimum qualifications required, and that the information provided is true and complete to the best of your knowledge.

All applications must include: "to" and "from" dates (month/day/year), time base, civil service or private sector titles, the duties performed, and an original signature. Applications received without this information will be rejected.

**NOTE:** Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either I," "or II," "or III," etc. For example, candidates who possess qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirements.

## MINIMUM QUALIFICATIONS

### EITHER I

Possession of a valid certificate of registration as an Electrical Engineer issued by the California Board of Registration for Professional Engineers. (Candidates who submit proof that they have applied for registration will be admitted to the examination, but must possess a valid certificate of registration before they may be appointed.) and Either I Experience: One year of experience in the California state service performing design, construction, and maintenance work in cathodic and stray current protection; outdoor and indoor lighting; power and control systems for transportation projects; and building heating, ventilating, and air conditioning as an Associate Electrical Engineer, Caltrans, or a Transportation Engineer (Electrical), Range D

### OR II

Experience: Five years of professional engineering experience, two years of which shall have been: (1) after obtaining registration as an Electrical Engineer from any state; and (2) in a lead or supervisory capacity in design, construction, and maintenance work in the following fields: cathodic and stray current protection; outdoor and indoor lighting; power and control systems for movable bridge operation, pumps, vehicular tunnel ventilation, standby engine generators, and aids to navigation; and building heating, ventilating, and air conditioning. **and**

Education: Equivalent to graduation from a college accredited by the Accreditation Board for Engineering and Technology with major work in electrical or electronic engineering or equivalent degree approved by the Council for Private Postsecondary and Vocational Education under the provisions of California Education Code Chapter 3, Part 59, Division 10. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) Click on the link below to review the California State Personnel Board class specification which contain the requirements for admittance to the exam:

<http://calhr.ca.gov/state-hr-professionals/pages/3002.aspx>

## EXAMINATION INFORMATION

The examination consists of a Training & Experience Evaluation and is anticipated to be mailed in **February/March 2016**.

**NOTE:** If conditions warrant, this examination may utilize an evaluation of each candidate's experience and education compared to a standard developed from the class specification. For this reason, it is especially important that each candidate take special care in accurately and completely filling out his or her application. List all experience relevant to the "Minimum Qualifications" shown on this announcement, even if that experience goes beyond the seven-year limit printed on the application.

Supplementary information will be accepted, but read the “Minimum Qualifications” carefully to see what kind of information will be useful to the staff doing the evaluation.

## **KNOWLEDGE AND ABILITIES**

### **Knowledge of:**

1. Designing and supervising the preparation of plans, specifications and estimates for the electrical systems of transportation-related facilities
2. Electrical theory and practice
3. Electrical equipment
4. Power distribution and control systems
5. Various codes and field practices governing the design and installation of electrical equipment
6. Basic occupational safety and health regulations contained in the Title 8 Industrial Relations, Electrical Safety Orders, Safety and Health Policies and Procedures as contained in the Department’s Injury and Illness Prevention Program and the supervisor’s role in maintaining an effective injury and illness prevention program
7. Materials and maintenance of electrical installations
8. Principles of effective supervision
9. A manager’s /supervisor’s responsibility for promoting equal opportunity in hiring and employee development and promotion and for maintaining a work environment that is free of discrimination and harassment
10. Planning and supervising the work of others
11. Computer Aided Drafting and Design (CADD), and other engineering software

### **Ability to:**

1. Supervise the preparation of plans, specifications, and estimates for the electrical systems of transportation-related facilities
2. Plan and supervise the work of others
3. Direct or make construction and maintenance inspections
4. Check drawings and specifications
5. Establish and maintain cooperative relations with those contacted in the work
6. Analyze situations and adopt an effective course of action
7. Prepare correspondence
8. Prepare reports
9. Promote equal opportunity in employment and promotion and maintain a work environment that is free of discrimination and harassment

## **VETERANS’ PREFERENCE**

Veterans' Preference will not be granted in the examination as it does not meet the requirements to qualify for Veterans' Preference.

## CAREER CREDITS

Career Credits will not be added to the final score of this examination.

## CONTACT INFORMATION

For more information regarding this exam, please contact the exam analyst at (916) 227-5189.

## GENERAL INFORMATION

**For an examination without a written feature**, it is the candidate's responsibility to contact **the testing department** three weeks after the final filing date if he/she has not received his/her notice.

**Applications are available** at <https://jobs.ca.gov/Profile/StateApplication>, California Department of Human Resources (CalHR) offices, local offices of the Employment Development Department, and the testing department on this job bulletin.

**If you meet the requirements** stated on this bulletin, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

**The testing department** reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

**Candidates needing special testing arrangements** due to a disability must mark the appropriate box on the application and/or contact the testing department.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and the ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

**Promotional Examinations Only:** Competition is limited to employees who have a permanent civil service appointment and military veterans that meet all the minimum qualifications. Under certain circumstances, other employees may be allowed to compete under provisions of Rules 234, 235, and 235.2. State Personnel Board Rules 233, 234, 235, 235.2, and 237 contain provisions regarding civil service status and eligibility for promotional examinations. These rules may be reviewed at departmental personnel offices, at the State Personnel Board office or <http://www.jobs.ca.gov/>.

**TTY** is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TTY Device.

*For individuals with disabilities, this document may be available upon request in alternate formats. To obtain an alternate format, please call or write to Caltrans, Office of Examinations and Recruitment Services, P.O. Box 168036, MS 86, Sacramento, CA 95816. Voice (916) 227-7858 California Relay Service: Voice 1-800-735-2922 or TTY 1-800-734-2929.*