



PHOTOGRAMMETRIST I

Departmental Open

Exam Code: 6TRAL

Department: Caltrans

Bulletin Release Date: 10/05/2016

Final Filing Date: 10/31/2016

Salary: \$5,460.00 to \$6,834.00

INTRODUCTION

Caltrans is pleased to announce the posting of the **Photogrammetrist I** examination. Employment from this examination will be offered in Sacramento County.

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?

Candidates who meet the minimum qualifications as stated on this announcement may apply for this examination.

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

***FILE IN PERSON:**

Caltrans
Examination Services (MS 86)
1727 30th Street, 1st Floor
Sacramento, CA 95816

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

POSITION STATEMENT

Under direction, to do operational photogrammetric work in the field or office in connection with obtaining photogrammetric products and acquiring data by photogrammetric procedures; and to do other related work.

ELIGIBLE LIST INFORMATION

A Departmental Open eligible list will be established for Caltrans in Sacramento County. The list will be abolished 24 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.

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/3092.aspx>

MINIMUM QUALIFICATIONS

EITHER I

Experience: One year of photogrammetric experience which shall have included as a regular part of the duties, operation of precision stereoscopic instruments of the direct-projection type.

And

Education: Equivalent to graduation from either: (1) A course in civil engineering with a B.S. degree; or (2) A course leading to a B.S. degree and with a major in photogrammetry.

OR II

Experience: Five years of nonprofessional technical experience in support of civil engineering, at least two years of which shall have included (as a regular part of the duties) the operation of precision stereoscopic instruments of either the direct-projection or the optical-train type. Applications will be accepted from persons who have 20 months' experience in operation of approved instruments, and they will be permitted to take the examination. However, the two-years required experience must be completed before they can be considered eligible for appointment. (Education of the type described in Pattern I may be substituted on a year-for-year basis for up to three years of the nonspecialized experience.)

And

Education: Equivalent to completion of the 12th grade. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)

NOTE: Candidates qualifying under Pattern I must submit transcripts along with their application.

EXAMINATION INFORMATION

This examination will 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. 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.

This examination will be weighted 100%. In order to obtain a position on the eligible list, a minimum score of 70% must be attained.

KNOWLEDGE AND ABILITIES

Knowledge of:

1. Basic mathematics of photogrammetry and surveying including algebra, geometry, and trigonometry
2. Stereoscopic instruments and photogrammetric applications
3. Photo-identification of control
4. Topographic practice and cartographic practice
5. Aerial photographic practice
6. Photo-interpretation
7. Photogrammetric mapping procedures
8. Photogrammetric mapping specifications
9. Mapping symbology
10. Computer Aided Drafting and Design (CADD) mapping procedures
11. Personal computer application software including word processing, spreadsheets, databases, Computer Aided Drafting and Design (CADD) engineering workstations and software including 3-D mapping applications, MicroStation, Descartes, and supporting software
12. Methods of precise surveying and mapping measurements and operations
13. Procedures, equipment, and materials used in surveying and photogrammetric mapping using digital softcopy
14. The California Coordinate System
15. Principles of effective communication
16. Federal Geographic Data Committee (FGDC) positional accuracy standards

Ability to:

1. Productively operate photogrammetric instruments and related equipment
2. Analyze situations accurately and take effective action
3. Detect differences in distance using stereoscopic cues that are measured by the smallest difference in the images presented to the two eyes that can be detected reliably (stereoacuity)
4. Efficiently operate analytical or softcopy stereoplotters performing measurement and mapping work
5. Use Stereovision
6. Multi-task, adapt to change in priorities, and complete tasks and projects with short notice

SPECIAL PERSONAL CHARACTERISTICS

The ability to sit for long periods of time using a computer.

VETERANS' PREFERENCE

Veterans' Preference will be applied to those competitors who are successful in this examination and who qualify for, and have requested, Veterans' Preference through the California Department of Human Resources.

CAREER CREDITS

Career Credits will not be granted in this examination.

CONTACT INFORMATION

For more information regarding this examination, please contact the examination analyst at (916) 227-7731.

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/pdf/std678.pdf>, California Department of Human Resources (CalHR) offices, and local offices of the Employment Development Department.

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.

Caltrans 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.

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.

If High School Equivalence is Required: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis. (Remove if high school equivalence is NOT required.)

Veterans' Preference: Pursuant to Assembly Bill 372, Veterans' Preference will be awarded as follows, starting January 1, 2014:

1. Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an open examination, shall be ranked in the top rank of the resulting eligibility list.
2. Any veteran who has been dishonorably discharged or released is not eligible for Veterans' Preference.
3. Veterans' Preference is not granted once a person achieves permanent civil service status (Permanent State civil service status means the status of an employee who is lawfully retained in his/her position after completion of the applicable probationary period. This includes permanent intermittent, part-time, and full-time appointments. In addition, individuals who at any time achieved permanent State civil service status and subsequently resigned or were dismissed from State civil service are not eligible to receive Veterans' Preference).

Veteran status is verified by the California Department of Human Resources (CalHR). Directions to apply for Veterans' Preference are on the Veterans' Preference Application (CalHR Form 1093) which is available at <https://jobs.ca.gov/Public/Jobs/Veterans.aspx>, CalHR, and the Department of Veterans Affairs.

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.