



JOB OPENING ANNOUNCEMENT

Apply On-line at <https://www.caltrain.com/about/Jobs.html>

Employment Hotline (650) 508-6308

January 13, 2023

TITLE: Senior Engineer, Traction Power (OCS)
EMPLOYMENT TYPE: Exempt (Full-Time)
DIVISION: Rail
APPLICATION DEADLINE: **Sunday, February 5, 2023**
PAY RANGE: \$2,117 - \$3,176 per week (\$110,089 to \$165,134 est. annual)
WORK LOCATION: San Carlos, California

JOB SUMMARY: The Sr. Engineer (Traction Power, Overhead Contact Systems) reports to the Manager, Traction Power/Electrical Engineering and is responsible for engineering, construction, maintenance, design support of capital improvement projects for the Peninsula Corridor Joint Powers Board (Caltrain).

EXAMPLES OF ESSENTIAL FUNCTIONS:

- Provide engineering support to Rail Operations, Capital Projects, Construction Management, and other Caltrain departments to maintain Traction Power, OCS, railroad structures, including tracks, tunnels, bridges (civil/structural).
- Oversee projects performed by contractors on Caltrain property. Ensure their designs are following and comply with Caltrain Engineering Design Criteria and Standards.
- Assist with the development of the annual, short-term, and long-term Caltrain Traction Power Engineering and maintenance plans. Ensure traction power OCS is in state of good repair.

EXAMPLES OF DUTIES:

- Identify root causes of engineering issues and present appropriate solutions.
- Review and perform engineering calculations on Traction Power, OCS, to protect the integrity of the railroad electrification structures and to ensure technical requirements are met.
- Prepare calculations, plans, and specifications to support OCS design and analysis using relevant design criteria codes and standards for new and rehabilitation type projects.
- Assist with review drawings, construction cost estimates, specifications, technical reports, and other contract documents.
- Provide technical guidance to Project Manager(s) and other projects as required by responding to RFI, construction submittal and site-specific work plan.
- Perform site inspections during construction and maintenance projects to determine if they are within tolerance levels established by the transit industry and other applicable regulations/specifications.
- Develop solutions and provide technical input for design optimization for cost effectiveness, risk management challenges and constructability improvements for capital and maintenance projects.
- Update railroad OCS-related engineering standards and as-built drawings.
- Conduct project meetings and field meetings with internal and third-party personnel.
- Perform all duties and responsibilities in a safe manner to protect self, fellow employees and the public from injury or harm. Promote safety awareness and follow safety procedures to reduce or eliminate accidents.
- Perform other duties as assigned.

SUPERVISION: Works under the general supervision of the Manager, Traction Power/Electrical Engineering who establishes goals and objectives and evaluates performance.

MINIMUM QUALIFICATIONS: Sufficient education, training, and experience to demonstrate the knowledge and ability to successfully perform the essential functions of the position. Development of the required knowledge and abilities is typically obtained through but not limited to:

- Bachelor's degree in Electrical or Mechanical Engineering, or closely related field.
- Four (4) years of full-time progressively responsible professional experience in a rail transit traction electrification system, engineering firm.

PREFERRED QUALIFICATIONS:

- Professional Engineer's license is preferred but not required.
- Working knowledge and experience of Federal and State transportation regulations and programs, including FRA, CPUC and AREMA is desired.
- Ability and willingness to conduct OCS inspections.
- Must possess effective oral, written, and presentation communication skills.
- Must possess a valid driver license with safe driving record.

SELECTION PROCESS MAY INCLUDE: The process will include a panel interview and may include written and skills test assessments or supplemental questions. Only those candidates who are the most qualified will continue in the selection process. Meeting the minimum qualifications does not guarantee an invitation to continue in the process. Selected candidate must successfully complete a background investigation.

CURRENT EMPLOYMENT BENEFITS:

For further benefit details please go to: https://www.smctd.com/SMCTD_Employment.html#benefits

Holidays:	Seven (7) paid holidays, plus up to four (4) floating holidays per year
Time Off:	Paid Time Off: 26 days per year
Cafeteria Plans:	Medical, dental, vision care, group life insurance, and more
Transportation:	Free transportation on Caltrain for employees and free bus transportation to employees and qualified dependents
Retirement:	Social Security and California Public Employees Retirement Systems (CalPERS) <ul style="list-style-type: none">○ Classic Members – 2% @ 60 benefit formula, 3-year average of highest compensation○ New Members – 2% @ 62 benefit formula, 3-year average of highest compensation

HOW TO APPLY:

- To apply, please visit the <https://www.caltrain.com/about/Jobs.html>. Complete an online employment application and supplemental questionnaire by 11:59 pm on **Sunday, February 5, 2023**. A resume will not be accepted in lieu of the application and supplemental questionnaire. Incomplete application will not be considered.
- The Human Resources Department will make reasonable efforts in the recruitment/examination process to accommodate applicants with disabilities upon request. If you have a need for an accommodation, please contact the Human Resources Department at (650) 508-6308.
- Caltrain celebrates diversity and is committed to creating an inclusive and welcoming workplace environment. We are an Affirmative Action/Equal Opportunity Employer. Minorities, Women, Persons with Disabilities and Veterans are encouraged to apply.