



JOB OPENING ANNOUNCEMENT

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Employment Hotline (650) 508-6308

March 3, 2023

TITLE: Engineer III-Sr Engineer, Traction Power, Overhead Contact Systems
EMPLOYMENT TYPE: Exempt (Full-Time)
DIVISION: Rail (Rail Development)
APPLICATION DEADLINE: **Continuous Recruitment Until Filled**
PAY RANGE: \$2117- \$3175 per week (\$110,089-\$165,134 estimated annual)
WORK LOCATION: San Carlos, California

JOB SUMMARY: The Engineer III (Senior Engineer, Traction Power, Overhead Contact System) reports to the Manager, Traction Power/Electrical Engineering, and is responsible for engineering and construction support of capital improvement projects, maintenance support, project planning support, and design studies support for Traction Power OCS and related facilities 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).
- Review and perform engineering calculations on Traction Power Overhead Contact System to protect the integrity of the railroad electrification structures and to ensure technical requirements are met.
- Oversee projects to be performed by outside agencies working on Caltrain property. Ensure their designs are following Caltrain Engineering design criteria and standards.
- Identify root causes of engineering issues and present appropriate solutions.
- Assist with the development of the annual, short-term, and long-term Caltrain Traction Power Engineering and maintenance plans. Ensures traction power OCS is in a state of good repair.

EXAMPLES OF DUTIES:

- 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 job duties and responsibilities in a safe manner to protect employees and the public from injury or harm. Promote safety awareness and follow safety procedures in an effort to reduce or eliminate accidents.
- Perform other duties as assigned.

SUPERVISION: Works under the 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, or engineering firm.

PREFERRED QUALIFICATIONS:

- Professional Engineer's license is preferred.
- Working knowledge and experience of Federal and State transportation regulations and programs, including FRA, CPUC and AREMA is required.
- Ability and willingness to conduct OCS inspections.
- Effective oral, written, and presentation communication skills.
- Valid CA 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.

EMPLOYEE BENEFITS:

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

Holidays	: Seven (7) paid holidays, plus up to four (4) floating holidays per year
Paid Time Off	: Up to 26 days per year
Cafeteria Plans	: Medical, dental, vision care, group life insurance, and more
Transportation	: Free transportation on Caltrain for employees. Free bus transportation for 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-caltrain/jobs>. **Open until filled.** Complete an online employment application. A resume will not be accepted in lieu of the employment application.
- 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 or email written request to hr@samtrans.com.
- 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.