



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, Mechanical & Electrical
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, Mechanical & Electrical reports to the Manager, Engineering Stations, and Facilities, and is responsible for utility planning, technical design, construction, and maintenance support for the Peninsula Corridor Joint Powers Board (Caltrain).

EXAMPLES OF ESSENTIAL FUNCTIONS:

- Perform mechanical and electrical engineering for Caltrain stations and facilities related to planning, designing, construction and operations.
- Provide technical, compliance, and performance oversight of utility systems and plan serving the commuter rail environment.
- Develop and implement standards, procedures, and safety protocols for the testing, maintenance, and operation of mechanical and electric equipment, including the review and approval of equipment testing and maintenance reports.
- Oversight of third-party managers, consultants, and contractors to provide mechanical and electrical engineering direction and review of utility systems related stations and facilities.
- Provide review of maintenance and construction activities to ensure return-to-service requirements are met.
- Ensure utilities serving Caltrain stations and facilities are in a state of good repair, and that mechanical and electrical systems comply with regulatory requirements (NFPA, AREMA, CPUC, etc.) and Caltrain Engineering Standards.

EXAMPLES OF DUTIES:

- Provide mechanical and electrical engineering direction for design and maintenance of electrical, utility systems, tunnel ventilation systems serving Caltrain stations and facilities.
- Review mechanical and electrical project documents (plans, specs, calculations, cost estimates) from design consultants for compliance with project criteria, applicable codes and standards, and contract requirements.
- Support Caltrain construction management team by providing responses to Request for Information (RFI) relating to construction of project utility systems and confirming project as-built construction drawings provided by project contractor are accurate.
- Perform regular project site visits to inspect construction of utility systems to ensure contractor compliance with approved project drawings and specifications, applicable engineering codes, and Caltrain standards.
- Support Caltrain operations management team by investigating failures of utility systems and recommend corrective actions and preventative measures.
- Performing periodic inspection of utilities serving Caltrain stations and transit facilities for compliance with current engineering codes and provide recommendations for modernization of systems.
- Provide 24/7 on-call mechanical and electrical engineering support to Caltrain construction and operations as needed.
- Promote safety awareness of utility systems serving Caltrain stations and transit facilities in addition to developing procedures to reduce or eliminate accidents. Collaborate with equipment manufacturers and vendors to train facility technicians on preventative maintenance methods and corrective repair procedures.
- Perform all job duties and responsibilities in a safe manner to protect oneself, 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, Engineering Stations & Facilities 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 Engineering (mechanical or electrical) or related field.
- Minimum of four (4) years of full-time progressively responsible professional experience in a transit, MEP engineering firm or a public agency.
- Must possess a valid California driver license with a safe driving record.

PREFERRED QUALIFICATIONS:

- Professional Engineer's license.
- Understanding of applicable rail, transit, and municipal codes and standards.
- Working knowledge and experience of Federal and State transportation regulations and programs.
- Knowledgeable in asset management.
- At least two years of experience involving independent responsibility for a wide variety of technical engineering, such as mechanical and electrical design for the tunnels.
- Working experience on AutoCAD.
- Ability to support with GIS systems.
- Effective oral, written, and presentation communication skills.

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.