

## Engineer -Job Posting #9312

### Marketing

Ride BART to a satisfying career that lets you both: 1) make a difference to Bay Area residents, and 2) enjoy excellent pay, benefits and employment stability. BART is looking for people who like to be challenged, work in a fast paced environment, and have a passion for connecting riders to work, school and other places they need to go. BART offers a competitive salary, comprehensive health benefits, paid time off, and the CalPERS retirement program.

### Conditions of Employment

All San Francisco Bay Area Rapid Transit District (BART) employees are required to be fully vaccinated against COVID-19 as a condition of employment. You will be required to show proof of your completed COVID-19 vaccination prior to receiving a final offer, unless you receive a COVID-19 Vaccination reasonable accommodation due to a medical condition or a religious exemption due to an approved sincerely held religious belief that prohibits you from receiving a vaccine. BART will review requests for a reasonable accommodation or religious exemption on a case-by-case basis. Documentation may be required. For questions, please contact BART Human Resources, Leave Management at [HRDP@bart.gov](mailto:HRDP@bart.gov).

### Department

The Capitol Corridor is an intercity passenger rail service operated by Amtrak under the management of the Capitol Corridor Joint Powers Authority (CCJPA). As the only public transportation agency serving the entire Northern California Megaregion, the Capitol Corridor integrates extensive connections to major business and leisure destinations and points of interest throughout the area. The 170-mile route from Auburn to Silicon Valley, including San Francisco, Oakland, and Berkeley, (~290 track miles) connects passengers to five universities, three international airports, major sports and entertainment venues, top centers of innovation and tourism, and the Capitol of the world's 5th largest economy. Capitol Corridor receives administrative support from BART through a managing agency agreement and is a department within BART. Visit [www.capitolcorridor.org](http://www.capitolcorridor.org) for more information.

### Pay and Benefits

BART offers comprehensive compensation and benefits programs. Benefits include CalPERS pension; excellent medical (effective January 1, 2022 current employee cost \$157.35 monthly for most plans), vision, and dental coverage; supplemental insurances; paid holidays and vacation; as well as two investment programs, one of which is entirely funded by BART. BART does not participate in Social Security. Complimentary BART passes for employee and qualifying dependents.

### Pay Rate

\$106,187.00 annually - \$160,874.00 annually (NON-REP Pay Band 6)

Initial salary will be between \$106,187.00 - \$130,897.51 (depending on experience)

### Posted Date

August 2, 2022

### Closing Date

Open Until Further Notice

### Reports To

Joel Cox, Manager of Civil and Structural Engineering

### **Days Off**

Saturday and Sunday

### **Who May Apply**

All current BART employees and qualified individuals who are not yet BART employees.

### **Current Assignment**

Under the direction of CCJPA's Chief Engineer, the Engineer will perform civil engineering support duties including overseeing, assigning, and reviewing the work of numerous outside contractors, engagement with key stakeholders (such as Union Pacific Railroad, Amtrak, and city, county, State government partners) and other engineering support duties.

The Engineer will develop preliminary design concepts working with CCJPA planning and/or operations team members that can be developed into capital projects. The Engineer will work closely with consultant engineers that will assist in the design process. The Engineer will provide design, oversight, and administration of various engineering projects; evaluate and review engineering changes; ensure work quality and adherence to specifications; and perform related duties as assigned.

The ideal candidate for the Engineer position will demonstrate strong knowledge and experience in the following areas beyond the minimum qualifications:

- Bachelor's degree in civil engineering preferred.
- Experience working on Class I railroad engineering projects is a plus.
- Knowledge of intercity passenger rail and Capitol Corridor.

### **Essential Job Functions**

This is the full journey level class within the Engineer series. Classifications at this level receive only occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies of the work unit. This classification is distinguished from the Senior level in that the latter possesses a specialized, technical or functional expertise within the area of assignment or may exercise lead supervision over assigned lower-level staff.

**EXAMPLES OF DUTIES** – Duties may include, but are not limited to, the following:

1. Performs a variety of professional engineering duties related to the subject department. Duties may include preparing engineering specifications, preliminary cost estimates, engineering drawings, sketches, calculations and analyses.
2. Prepares engineering designs, specifications, costs and quantity estimates for engineering construction projects; prepares and/or reviews the adequacy and accuracy of computations.
3. Assists in the establishment of schedules and methods for providing engineering project oversight services; responsible for the verification of quantities of materials and adherence to specifications; may recommend resources to be allocated.
4. Monitors work activities to ensure compliance with established policies and procedures; evaluates proposed changes to approved plans and specifications.
5. Recommends approval of and submits contractor's progress payment applications; performs audits of contractor and suppliers to ensure adherence to established policies procedures.

6. Prepares a variety of reports and correspondence on project matters including Inspector's Daily Reports, monthly and final completion reports, contract modifications negotiations, field and design engineering changes, and correspondence with the contractor on fulfillment of requirements.
7. Discusses and coordinates engineering design or construction project activities with design engineering staff and other affected engineering personnel.
8. Maintains awareness of progress on assigned engineering design or construction projects to ensure compliance with designated time and cost schedules.
9. Provides assistance to inspectors in the interpretation of plans and resolution of problems during construction.
10. Reviews construction design plans to evaluate potential construction problems; monitors construction project expenditures.
11. Utilizes a variety of engineering programs and application including CADD. 12. Attends and participates in professional group meetings; stays abreast of new trends and innovations in the field of engineering design and construction.
13. Conducts field inspections; ensures compliance with specifications.

## **QUALIFICATIONS**

### **Knowledge of:**

- Principles and practices of engineering in assigned discipline area
- Operations, services and activities of an engineering design and construction program
- Principles and practices of engineering cost estimating
- Methods and techniques of field measuring and testing
- Engineering contract administration principles and practices
- Materials and equipment methods utilized in engineering
- Terminology, methods, practices, and techniques used in related engineering report preparation
- Advanced mathematical principles
- Current office procedures, methods, and equipment including computers
- Specialized computer programs or systems utilized in construction engineering design including CADD
- Related building codes, regulations and provisions
- Related Federal, State, and local laws, codes and regulations

### **Skill/Ability in:**

- Applying principles and practices in engineering design and construction in assigned projects
- Interpreting and explaining District policies and procedures
- Preparing clear and concise reports
- Interpreting and preparing revisions to engineering plans, drawings, and specifications
- Communicating clearly and concisely, both orally and in writing
- Establishing and maintaining effective working relationships with those contacted in the course of work

## **Minimum Qualifications**

### **Education:**

Possession of a Bachelor's degree in engineering or a related field from an accredited college or university.

**Experience:**

Two (2) years of (full-time equivalent) verifiable engineering design and construction project experience. Substitution: Additional engineering experience as outlined above may be substituted for the above education on a year-for-year basis. A college degree is preferred.

**Selection Process**

Applications will be screened to assure that minimum qualifications are met. Those applicants who meet minimum qualifications will then be referred to the hiring department for the completion of further selection processes.

The selection process for this position may include a skills/performance demonstration, a written examination, and a panel and/or individual interview.

The successful candidate must have an employment history demonstrating reliability and dependability; provide copies of certificates, diplomas or other documents as required by law, including those establishing his/her right to work in the U. S; pass a pre-employment medical examination which may include a drug and alcohol screen, and which is specific to the essential job functions and requirements. Pre-employment processing will also include a background check. (Does not apply to current full-time District employees unless specific job requires additional evaluations).

**Application Process**

External applicants may only apply online, at [www.bart.gov/jobs](http://www.bart.gov/jobs). Applicants needing assistance with the online application process may receive additional information by calling (510) 464-6112.

Current employees are strongly encouraged to apply online, either at [www.bart.gov/jobs](http://www.bart.gov/jobs), or on WebBART. Current employees may also apply using a BART paper application by delivering the completed form to the Human Resources Department, or by mailing it to P. O. Box 12688, Oakland, CA 94604-2688.

All applicants are asked to complete the application in full, indicating dates of employment, all positions held, hours worked, and a full description of duties. On line applicants are invited to electronically attach a resume to the application form to provide supplemental information, but should not consider the resume a substitute for the application form itself.

Applications must be complete by the closing date and time listed on the job announcement.

**Equal Employment Opportunity**

The San Francisco Bay Area Rapid Transit District is an equal opportunity employer. Applicants shall not be discriminated against because of race, color, sex, sexual orientation, gender identity, gender expression, age (40 and above), religion, national origin (including language use restrictions), disability (mental and physical, including HIV and AIDS), ancestry, marital status, military status, veteran status, medical condition (cancer/genetic characteristics and information), or any protected category prohibited by local, state or federal laws.

The BART Human Resources Department will make reasonable efforts in the examination process to accommodate persons with disabilities or for religious reasons. Please advise the Human Resources Department of any special needs in advance of the examination by emailing at least 5 days before your examination date at [employment@bart.gov](mailto:employment@bart.gov).

## Other Information

Please be prepared to present documentation in support of any required licenses, degrees, or certifications upon request.

Please note that any job announcement may be canceled at any time.

### **Note**

When you have successfully applied for this position you will receive an auto reply e-mail acknowledging that your application was received for this position. Please retain a copy of the e-mail for your records. If you receive an auto reply that does not specifically reference this position, please email Employment Help at [employment@bart.gov](mailto:employment@bart.gov) for assistance.

To verify submission of your application, click on the 'My Career Tools' link at the top of the 'Careers Home Page' after submitting your application to view the list of applications you have submitted (including application date and status). If you have further questions, please email the Employment Help at [employment@bart.gov](mailto:employment@bart.gov), between the hours of 8:15am - 5:00pm, Monday- Friday.