



**GOLDEN GATE BRIDGE, HIGHWAY AND
TRANSPORTATION DISTRICT
invites applications for the position of:**

Senior Electrical Engineer

SALARY: \$146,286.40 - \$177,798.40 Annually

DIVISION: District Division

DEPARTMENT: Engineering

**OPENING
DATE:** 03/22/22

**SELECTION
PROCESS:**

The District will invite ONLY those candidates whose qualifications MOST CLOSELY MATCH the position requirements to continue in the selection process. The District may convene the panel for interview process as needed to establish a reasonable pool of candidates to consider for final rounds of interviews and selection. The District is a drug free workplace. Applicants under consideration will be required to undergo and pass drug testing prior to District employment. THE FOLLOWING DOCUMENT(S) MUST BE SUBMITTED AT TIME OF APPLICATION: 1) GGBHTD Online Employment Application; 2) Resume (Scan and attach as PDF copy to your online application); 3) Copy of Registration (P.E. License) as an Electrical Engineer in the state of California (Scan and attach as PDF copy to your online application). The SELECTION PROCESS for this position may include: Oral Panel Interview; Department interview for final candidates; Medical Examination (post offer of employment); Drug Testing (post offer of employment); and Background, Employment and Security Investigation.

POSITION SUMMARY:

Under direction, perform varied professional and electrical engineering work at an advanced level of difficulty in the field and office. Perform assessments of and prepare written reports documenting the existing electrical systems and loads at existing facilities. Work with other engineers and technicians on design of new facilities and rehabilitation/retrofit of existing facilities. May supervise subordinate engineering personnel engaged in design and construction work. May act as resident engineer on major capital improvement projects and as oversight engineer on in-house maintenance and repair projects. Interpret, explain and carry out electrical engineering design, inspection and construction methods and procedures. Responsibilities include regular contact with other professional engineering personnel, as well as contractors and their representatives, and the general public, obtaining and providing technical electrical engineering data and information, preparing, checking and reviewing detailed and complex electrical engineering plans, specifications and related reports. Perform related duties as required.

ESSENTIAL RESPONSIBILITIES:

- Performs assessments of electrical systems and prepare written reports documenting the capacity and limitations of the systems
- Performs detailed engineering calculations and analysis in connection with electrical design of utility systems for transportation facilities
- Prepares and supervises the preparation of detailed electrical engineering designs, drawings, specifications, cost estimates and quantity estimates for a wide range of electrical construction and maintenance projects
- Works with other in-house and consultant engineering professionals and technicians to develop, prepare and finalize complete sets of construction bid documents for capital improvement and other construction projects
- Reviews consultants submittals and work products to ensure compliance with required scope of work and deliverables
- Reviews contractors' work to ensure compliance with plans and specifications
- Plans, schedules and coordinates detailed phases of engineering work either as part of a major project or for an entire project of smaller scope
- Makes investigations of contractual and construction problems that may arise on construction projects
- Inspects and supervises a wide variety of ordinary and complex construction projects to ensure compliance with contract plans and specifications
- Assists in the preparation of complex contract documents
- Conducts correspondence and prepare technical engineering reports in connection with a wide variety of projects
- Knows and follows the safety and health rules and safe working practices applicable to their job
- Ensures that employees under their supervision follow established safe work practices and obey all safety rules
- Meets and consults with department officials, engineers and contractors on technical engineering matters
- Regular and reliable performance and attendance are required

MINIMUM QUALIFICATIONS:

Education and/or Experience:

- Bachelor's degree in Electrical Engineering
- Five years position-related electrical engineering experience, including design, estimate and specification preparation and the inspection of construction work
- One-year supervisory experience is desirable

Required Licenses:

- Registration (P.E. license) as an Electrical Engineer in the state of California. Must have a PE license as an Electrical Engineer for at least 5 years.
- Must possess and maintain a current, valid California driver's license and satisfactory driving record. No reckless driving and DUI infractions within the last 7 years. No more than 2 moving violations within the last 3 years. May operate District vehicles.

Physical Requirement:

- Must inspect construction work on the Golden Gate Bridge, other structures and buildings, climb scaffolds, catwalks and ladders
- Carry test, inspection and electrical equipment that may weigh up to 50 pounds

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of:

- Theories, principles and practices of electrical engineering
- Electrical designs for transportation systems and facilities
- Modern construction methods and inspection procedures
- Current practices and uses of electrical components and materials and the planning of their integration into construction projects

Skill in or Ability to:

- Prepare electrical designs for transportation systems and facilities
- Originate and check design details, estimates, engineering plans and specifications
- Application of engineering theories and practices to practical engineering field and office problems
- Demonstrate effective supervisory skills

APPLICATIONS MAY BE FILED ONLINE AT:
<https://www.goldengate.org/district/careers/>

Position #PS101540
SENIOR ELECTRICAL ENGINEER
MP

Administration Building, 1101 Andersen Drive
San Rafael, CA 94901
415.257.4525
415.257.4535

HRCoordinators@goldengate.org

Senior Electrical Engineer Supplemental Questionnaire

* 1. This position requires P.E. license as an Electrical Engineer in the state of California for at least 5 years. Do you have this required license?

Yes No

* Required Question