



JOB TITLE:	SENIOR STEEL INSPECTOR	DIVISION:	DISTRICT – ENGINEERING
REPORTS TO:	DIRECTING CIVIL ENGINEER	EEO CATEGORY:	PROFESSIONAL
FLSA:	NON-EXEMPT	SAFETY-SENSITIVE:	YES (Public Safety)
CLASSIFICATION:	REPRESENTED	LOCATION:	SAN FRANCISCO

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.*

### Position Summary

Under the general direction of a Senior Civil Engineer, or his/her designated representative, these positions perform Lead Worker Quality Control/Assurance Inspection and Reporting duties for all field and shop fabrication work, including but not limited to: material tracking; material cutting, drilling, bolting and welding; painting operations; material sampling; material and welding testing. These positions may include travel within and outside the State of California. These positions may require working non-standard work shifts and weekends.

### Essential Responsibilities

- Reviews all applicable specifications, plans, submittals, and other documents pertaining to the material and fabrication requirements of the construction project
- Conducts Quality Control/Assurance inspection of all operations at the structural steel fabrication shop and/or of all on-site welding and bolting operations
- Prepares comprehensive inspection documentation to provide a basis for acceptance of the work inspected and a basis for payment of the work performed
- Verifies and reports on acceptability of certificates of compliance, mill reports, Quality Control reports, destructive and non-destructive testing reports, and other applicable fabrication and material reports
- Reviews and comments on all applicable requests for information, working drawings and other submittals associated with the fabrication of the work
- Coordinates inspections with the Contractor's, fabricator's and supplier's Quality Control personnel
- Provides in-house training to District personnel on the various aspects of shop and field Quality Control/Assurance inspection
- Inspects and reviews of welding, bolting, riveting, painting and non-destructive testing during shop fabrication, erection, and maintenance of the steel bridge, building structures and roadway materials
- Knows and follows the safety and health rules and safe working practices applicable to his or her job
- Ensures that employees under his or her supervision follow established safe work practices and obey all safety rules
- Establishes and maintains effective working relationships with District employees, customers, vendors and all others contacted during the course of work using principles of excellent customer service



- Performs additional related duties as assigned
- Regular and reliable performance and attendance is required

## Required Knowledge, Skills and Abilities

### Working knowledge of:

- All AWS, AISC, ASTM, AASHTO and SSPC codes
- Standards and specifications used by the District and the California Department of Transportation for welding, bolting and painting structural steel
- Physical and chemical properties of various types of materials, including but not limited to steels and paints, and the limitations and restrictions of these materials. Knowledge of the techniques and procedures required to perform all types of welding and non-destructive testing, including visual, radiographic, magnetic particle, dye penetrant and ultrasonic
- Occupational health and safety rules and working practices applicable to this position

### Ability to:

- Take initiative and exercising sound professional judgment in decisions that reflect his/her commitment to the long term interests of the District.
- Read and understand technical specifications and reports. Ability to work independently with minimal supervision
- Prioritize work assignments and keep supervisor informed of work and any problems that may develop
- Establish and maintain a cooperative working relationship with co-workers, supervisors, contractors and fabricating and manufacturing industry personnel
- Use a personnel computer and other office equipment, write technical reports, enter data into spreadsheets and send use District e-mail system
- Perform basic math and other calculations required for inspection procedures
- Follow the safety and health rules and safe working practices applicable to the job

## Minimum Qualifications

### **Education and/or Experience:**

#### **A combination of college level training and position related experience equivalent to:**

- Minimum of 2 years' experience as an Associate Steel Inspector
- ASNT, SNT-TC-1A Level II ultrasonic, Magnetic Particle, Dye Penetra
- A minimum of six years' experience in the fabrication, erection, and inspection of welded structural steel products, similar in construction to highway bridges
- The equivalent of an Associate Degree in Welding Technology, Nondestructive Testing, Metallurgy or a related field may be substituted for two of the six years of required work experience
- NACE certification desired

**Required License:**

- Possession of a current Welding Inspector Certificate, per the most current American Welding Society QC-1 document.
- Must possess and maintain a current, valid California Driver's License and a satisfactory driving record. Operates District Vehicles on a regular basis.

**Physical Requirement:**

Must inspect construction work on the Golden Gate Bridge, structures and buildings, climb scaffolds, catwalks and ladders. Carry test inspection and survey equipment that may weigh up to 50 pounds. Occasionally crawl through pipes, trenches and other excavations. Work from heights. Work outside in all weather conditions. Ability to stand for extended periods of time. Ability to work in a fabrication shop and/or outdoor field environment in all weather conditions. Ability to climb ladders, scaffolding and other structures, work on small platforms high above the ground, work in confined spaces and adjacent to traffic. Pass an eye exam required for NDT testing.

This position may have a potential for or actual exposure to lead. Pursuant to OSHA regulations, District employees are not exposed to lead at concentrations greater than 10 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) of air averaged over an 8-hour period.