



JOB TITLE:	ASSOCIATE ENGINEERING INSPECTOR	DIVISION:	DISTRICT – ENGINEERING
REPORTS TO:	DIRECTING CIVIL ENGINEER	EEO CATEGORY:	02-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 general direction of District Engineering staff, inspects the District, Bridge, Bus and Ferry facilities; and performs related duties as assigned.

Essential Responsibilities

- Performs condition inspections of the District facilities.
- Inspects the work of contractors engaged under contracts with the District in construction of facilities capital improvement projects; makes recommendations for acceptance or rejection of work.
- Perform tasks in the quality assurance sampling and testing of construction materials for compliance with construction contract specifications.
- Inspects the work of District maintenance crews engaged in maintenance projects on the Golden Gate Bridge and other District facilities.
- Writes inspection and material testing reports and keeps these records organized.
- Makes recommendations on technical specifications as assigned.
- Attends conferences and technical training to keep up-to-date with the building and safety code requirements.
- Performs additional related duties as assigned.
- Regular and reliable performance and attendance is required.

Required Knowledge, Skills and Abilities

Working knowledge of:

- Knowledge of methods, materials, equipment and tools used in inspections.
- Occupational health and safety rules and working practices applicable to this position.



Skill in Ability to:

- Demonstrate mathematical skills to perform basic engineering calculations and/or testing of steel products and welding procedure specifications.
- Write concise, accurate and timely reports of inspections and tests.
- Effectively communicate using the English language.
- Use personal computers and software applicable to the work, such as commonly used word processing and spreadsheet programs.
- Developing and maintaining effective, cooperative and professional relationships with all encountered in the course of the work.
- Interpret structural steel plans and working drawings.
- Demonstrate proficiency in the use of weld, bolt, and paint inspection tools including; weld gauges, NDT equipment, micrometers, paint thickness meters, and bolt tensioning devices.
- Inspection and testing of high strength bolted joints and paint systems used on steel bridges.
- Write concise, accurate and timely reports of inspections and tests.
- Perform duties in a noisy, multi-faceted, and large construction project environment.
- Understand and be understood effectively using the English language
- Use personal computers and software applicable to the work.
- Developing and maintaining effective, cooperative and professional relationships with all encountered in the course of the work.

Minimum Qualifications

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

- Six years of current and continuous experience working under the supervision of a registered professional engineer performing surveying, construction inspections and/or materials sampling and testing duties, building and/or bridge condition inspections, and preparing inspection reports.
- Two years of college level education in Engineering technology or mathematics and sciences which included courses in trigonometry, algebra, computer science, physics, chemistry, or a comparable physical science may substitute for two years of the required work experience.

Required Licenses and/or Certification:

- 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.
- Operates District vehicles on a regular basis.



Physical Requirements:

Must inspect paint and other materials on the Golden Gate Bridge, structures and buildings. Able to stand for long periods. Position requires frequent bending and reaching. Ability to work comfortably while wearing cartridge-type respirator. Ability to climb scaffolds, catwalks and ladders. Ability to carry equipment that may weigh up to 50 pounds. Ability to work from heights, over water and moving vehicular traffic. Work is performed outside in varying weather conditions. Must be willing to work overtime. Climb ladders, scaffolds, catwalks, bridge members and utilize other devices to access and inspect construction work on the Golden Gate Bridge and other District owned structures and buildings. Stand on one's feet at construction site locations for extended periods of time. Carry test inspection and survey equipment that may weigh up to 50 pounds. Occasionally crawl through pipes, trenches and other excavations. Work from elevated platforms and heights. Work outside in extreme weather conditions. Work night shifts for extended periods of time. Work at offsite fabrication facilities. Travel to and work at out of state fabrication facilities for extended periods of time.

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.