



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

CONSTRUCTION INSPECTOR III

Group-Section: Business Technology Group	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Salary Grade: 48 Job #: XA03A
--	--	--

JOB SUMMARY

This is the journey level position performing Construction Inspector III job duties.

DISTINGUISHING CHARACTERISTICS

Positions at this level are fully competent and apply the full range of specialized skills and job knowledge in area of public works construction inspection, fabrication inspection, materials sampling and testing and on site construction contract administration; adapts procedures, operations, techniques, tools, materials, and/or equipment to meet needs of area of specialization. Uses judgment in interpreting and adapting guidelines such as policies, regulations, precedents, and work directions for application to specific cases or problems. The decision regarding what needs to be done depends upon the analysis of the subject, phase, or issues involved in each assignment, and the chosen course of action may have to be selected from many alternatives. The work involves treating a variety of conventional problems, questions, or situations in conformance with established criteria.

OVERSIGHT

Supervision Received: The supervisor makes assignments by defining objectives, priorities, and deadlines; and assists employee with unusual situations that do not have clear precedents. The employee plans and carries out the successive steps and handles problems and deviations in the work assignment in accordance with instructions, policies, previous training, or accepted practices. Completed work is usually evaluated for technical soundness, appropriateness, and conformity to policy and requirements. The methods used in arriving at the end results are not usually reviewed in detail.

Supervision Given: May act as a lead. May coordinate and review work assignments of employees performing the same general work as the lead on a day-to-day basis. Responsibilities involve solving problems and may involve providing instructions on work procedures.

JOB DUTIES

1. Performs as a construction inspector on public works construction projects.
2. Performs inspections, fabrication inspections, and/or materials testing on construction projects in accordance with contract plans and specifications. Performs manufacturer's facility quality assurance audits and evaluations.
3. May perform as a lead Construction Inspector on public works construction projects.
4. May act as Resident on construction projects. Administer construction contracts and oversee construction to ensure adherence to contract plans and specifications. Enforces compliance of contract through direct action and delegation of responsibility.

5. Reviews and approves contractor field submittals, plans, procedures and schedules; evaluates contractor cost proposals, schedules, and claims; estimates the cost of changes; negotiates settlements and provides recommendations to management; reviews, negotiates, and recommends contractor progress payments. Prepares and signs correspondence and reports.
6. Performs and leads inspectors performing inspections of electrical and/or mechanical equipment and systems, including electrical power generation and distribution systems for major treatment plant/process projects, instrumentation and low voltage control systems for process and/or safety systems, valves, pumps, rotating equipment and other major fabricated equipment, testing, troubleshooting, start-up and commissioning for projects including ozone and hydroelectric.
7. Performs factory acceptance testing, equipment testing and systems start-up.
8. Performs constructability reviews of plans and specifications, makes recommendations relating to revising specifications for future contracts, to accepting substitutions or alterations under current contracts, and to enforcing contract requirements.
9. Assists with preparing estimates for contract change orders or extra work, and reviewing contractor construction schedules.
10. Performs engineering materials tests, studies and investigations. Performs forensic and engineering evaluations.
11. Oversees and performs the testing, troubleshooting, start-up and commissioning of plant processes and systems.
12. May perform office engineering duties, including administration of professional services agreements.
13. Performs other related Construction Inspector job duties.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: High school diploma or general education development test (GED) and eight years of increasingly responsible, relevant journey level experience in one or more crafts, or construction materials sampling and testing and per applicable codes and standards, or fabrication inspection and testing per applicable codes and standards, or two years experience at the Construction Inspector II level. General construction experience may be substituted for a particular craft.

Required Knowledge of: Principles, practices, means, and methods of construction contract administration and construction management, construction quality assurance, estimating, reporting; basic engineering calculations; basic environmental regulations related to construction activities, basic construction surveying, and health and safety requirements related to construction projects and construction safety practices; Areas of knowledge shall also include one or more of the following disciplines: Civil/Structural (earthwork operations, underground utility construction, reinforced concrete, structural steel construction, masonry, construction materials sampling and testing); Electrical (electrical equipment and materials installation and testing, troubleshooting and commissioning); or Mechanical (mechanical equipment installation and testing, welding, pipefitting, and fabrication, testing,

Job Title: Construction Inspector III

Job Code: XA03A

Adopted: 03/11/13

Revised: 9/10/17

Supercedes:

Page 2

troubleshooting and commissioning); applicable federal, state and local laws, codes and regulations; and current office technology and equipment.

Required Skills and Abilities to: Perform engineering calculations; use of spreadsheets, apply safe work practices; read and understand contract specifications and drawings; analyze; plan and organize work; negotiate; use independent judgment and exercise discretion; problem solve; prioritize and multi-task; communicate clearly and concisely, both verbally and in writing; establish and maintain effective working relationships with those contacted in the course of work; work independently and in a team environment; and operate current office equipment including computers and supporting applications.

CERTIFICATIONS, LICENSES, AND REGISTRATION REQUIREMENTS

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

Certificates

- American Welding Society – Certified Welding Inspector
- American Concrete Institute – Concrete Field Testing Technician Grade I
- American Concrete Institute – Concrete Strength Testing Technician
- American Concrete Institute – Concrete Aggregate Testing Technician Level I

Licenses

- Valid California Class C Driver License that allows you to drive in the course of your employment

Registrations

- None

PHYSICAL DEMANDS, WORK ENVIRONMENT AND VISION REQUIREMENTS

The physical demands and work environment characteristics described here are representative of those that must be met or may be encountered by an employee to successfully perform the job duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the job duties.

Physical Demands: The work requires some physical exertion such as long periods of standing; walking over rough, uneven, or rocky surfaces; climbing, twisting, recurring bending, crouching, stooping, stretching, reaching, or similar activities; recurring lifting of moderately heavy items such as testing equipment, concrete test cylinders, record boxes etc.. The work may require specific, but common, physical characteristics and abilities such as above-average agility and dexterity.

Work Environment: The work environment involves high risks with exposure to potentially dangerous situations or unusual environmental stress that require a range of safety and other precautions, e.g., irritant chemicals, electrically energized equipment including high voltage systems, noise, dust, working at great heights, working under extreme outdoor weather conditions, or similar situations where conditions cannot be controlled.

Vision Requirements: Color vision (ability to identify and distinguish colors) for Electrical inspectors.