



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA

## CONSTRUCTION INSPECTOR V

<b>Group-Section:</b> Business Technology Group	<b>FLSA Status:</b> Non-Exempt <b>Bargaining Unit:</b> AFSCME	<b>Salary Grade:</b> A: 56 <b>Job #:</b> XA05A
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### JOB SUMMARY

This is the specialized advanced journey level position performing Construction Inspector V job duties.

### DISTINGUISHING CHARACTERISTICS

Positions at this level are recognized as technical experts in the areas of: On site construction contract administration; or electrical testing; start-up; commissioning; troubleshooting of extensive systems. The work includes varied duties requiring many different and unrelated processes and methods applied to a broad range of activities or substantial depth of analysis. Decisions regarding what needs to be done include major areas of uncertainty in approach, methodology, or interpretation and evaluation processes resulting from such elements as continuing changes in program, technological developments, unknown phenomena, or conflicting requirements. The work requires originating new techniques, establishing criteria, or developing new information. The work involves isolating and defining unknown conditions, resolving critical problems. The work product or service may affect activities, or the operation of other organizations.

### OVERSIGHT

**Supervision Received:** The supervisor provides administrative direction with assignments in terms of broadly defined missions or functions. The employee has responsibility for planning, designing, and carrying out programs, projects, studies, or other work independently. Results of the work are expected to be technically authoritative and correct. Review of the work concerns fulfillment of program objectives and goals. Recommendations for new projects and alteration of objectives are usually evaluated for such considerations as availability of funds and other resources, broad program goals, or priorities.

**Supervision Given:** Acts as a lead. Coordinates and reviews work assignments of employees performing the same general work as the lead on a day-to-day basis. Responsibilities involve solving problems and providing instructions on work procedures.

### JOB DUTIES

1. Performs as a resident or technical lead on public works construction projects.
2. Administer construction contracts and oversee construction to ensure adherence to contract plans and specifications including leading the settlement of claims for contract change orders or extra work and review of contractor construction schedules. Enforces compliance of contract through direct action and delegation of responsibility.
3. Leads and oversees acceptance testing of major electrical systems and equipment including start-up, commissioning, troubleshooting and problem resolution development.
4. Develops, negotiates, and administers professional services agreements.
5. Performs other related Construction Inspector job duties.

## **EMPLOYMENT STANDARDS**

### **MINIMUM QUALIFICATIONS**

**Education and Experience:** High school diploma or general education development test (GED) and twelve 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 IV level. General construction experience may be substituted for a particular craft.

Of the twelve years, eight years shall have been with increasingly responsible, relevant experience as a public works construction manager or superintendent, or experience as a resident on large public works construction projects; or all twelve years experience as a technical specialist in the field of electrical instrumentation, power systems, systems testing, troubleshooting/debugging and start-up.

**Required Knowledge of:** Advanced principles, practices, means, and methods of construction contract administration and construction management, or advanced knowledge of electrical instrumentation, power systems, system testing, troubleshooting/debugging and start-up and commissioning; construction quality assurance, estimating, negotiating and reporting, construction scheduling practices, engineering calculations, water treatment and conveyance systems, basic environmental, construction surveying, and health and safety requirements related to construction projects, construction safety practices, applicable federal, state and local laws, codes and regulations, budgetary concepts and procedures. 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, 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; use of construction scheduling software; apply safe work practices; read and understand contract specifications, and drawings; lead and train; plan and organize work; manage projects; 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; lead and train; 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

Job Title: Construction Inspector V

Job Code: XA05A

Adopted: 03/11/13

Revised: 09/10/17

Supercedes:

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### 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 personal computers and record boxes. 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.