



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

CONSTRUCTION INSPECTOR II

Group-Section: Business Technology Group	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Salary Grade: 43 Job #: XA02A
--	--	--

JOB SUMMARY

This is the intermediate level position performing Construction Inspector II job duties.

DISTINGUISHING CHARACTERISTICS

Positions at this level apply basic skills while developing specialized skills in procedures, operations, techniques, tools, materials and equipment appropriate to area of public works construction inspection, fabrication inspection, and/or materials sampling and testing and on site construction contract administration. Established procedures for doing the work and a number of guidelines are available. Work situations requires the employee to use judgment in locating and selecting the most appropriate guidelines, references, and procedures for application, and in making minor deviations to adapt the guidelines in specific cases. Situations to which the existing guidelines cannot be applied or significant proposed deviations from the guidelines are elevated. The work consists of duties that involve related steps, processes, or methods. The work involves the execution of specific rules, regulations, or procedures and typically comprises a complete segment of an assignment or a project of broader scope.

OVERSIGHT

Supervision Received: The supervisor provides continuing or individual assignments by indicating generally what is to be done, limitations, quality and quantity expected, deadlines, and priority of assignments. The supervisor provides additional, specific instructions for new, difficult, or unusual assignments including suggested work methods or advice on source material available. The employee uses initiative in carrying out recurring assignments independently without specific instruction, but refers deviations, problems, and unfamiliar situations not covered by instructions to the supervisor for decision or help. The supervisor reviews finished work to ensure that methods used are technically accurate and in compliance with instructions or established procedures. Review of the work increases with more difficult assignments if the employee has not previously performed similar assignments.

Supervision Given: None

JOB DUTIES

1. Assists as a construction inspector on public works construction projects.
2. Assists with inspections, fabrication inspections, and materials testing on construction projects in accordance with contract plans and specifications.
3. Assists with performing constructability reviews of plans and specifications.
4. Learns and assists with preparing estimates for contract change orders or extra work.
5. Assists with engineering materials tests, studies, investigations, and forensic and engineering evaluations.

6. Learns and assists with office engineering duties.
7. Performs other related Construction Inspector job duties.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

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

Required Knowledge of: Principles, practices, means, and methods of construction quality assurance, estimating, reporting; basic engineering calculations; basic construction surveying, and health and safety requirements related to construction projects; 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, troubleshooting and commissioning); applicable federal, state and local laws, codes and regulations; and current office technology and equipment.

Required Skills and Abilities to: Perform basic engineering calculations; use of spreadsheets; apply safe work practices; read and understand contract specifications and drawings; 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.