

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Senior Engineer, Water Resources		DWR POSITION NUMBER 3330-3261-900	SAP POSITION NUMBER 50105905	MCR 1
APPOINTEE Vacant		SAP PERSONNEL NO. TBD	DIVISION/SECTION DOE / PMD / PWC / Traditional Delivery	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: ☐ Supervisory Related BU: ☒ E48 Confidential Related BU: ☐ Rank and File BU: ☐				
RESPONSIBILITIES EXERCISED ☐ Supervisory ☐ Lead Person		IMMEDIATE SUPERVISOR (Print) Judy Li	SUPERVISOR'S CLASSIFICATION Supervising Engineer, Water Resources	
APPROVED BY (Personnel Analyst's Name) Estevez Contreras			DATE 09/28/2026	
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY Under the direction of the Supervising Engineer, Water Resources, serve as non-supervisory specialist to provide technical guidance and expertise on public works construction contracts, specifications and drawings for water infrastructure, including water storage and delivery, flood control, dam safety, and habitat restoration.			
	ESSENTIAL FUNCTIONS This position requires demonstrated proficiency in interpreting complex engineering specifications and drawings combined with the analytical capacity to formulate constructive engineering solutions and communicate them effectively, both verbally and in writing. The incumbent must possess the ability to work with a high degree of independence and demonstrate proactive initiative, with a proven track record of working cooperatively within multidisciplinary teams, establishing effective working relationships with diverse stakeholders, and consistently exercising sound and legally defensible judgment under pressure.			
	The specific, essential duties of this position are as follows:			
30%	Research, develop, and implement tools and techniques to improve procurement and execution of construction contracts, such as cost plus time bidding, time-related overhead, and cost index adjustments. Obtain input from diverse stakeholders and lead discussions to evaluate options and reach an optimal solution. Interpret and implement laws and regulations related to contracting, including the State Contract Act (Public Contract Code §§ 10100–10285.5). Prepare written documentation of the development and evaluation process for each tool or technique.			
30%	Provide technical guidance on engineering drawings and specifications to confirm compliance with principles and practices of engineering as well as contracting laws, regulations, and best practices. Perform high-level reviews to ensure construction contracts are biddable and constructible, such that the plans and specifications can be constructed as shown and specified, and that the requirements are complete, clear, and unambiguous.			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Judy Li		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.				
EMPLOYEE'S NAME (Print) Vacant		EMPLOYEE'S SIGNATURE ➤		DATE

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30%	Analyze process to determine how to improve workflows for compliance, efficiency and effectiveness.				
10%	Develop quality control measures to assess where improvements can be made in the public works contracting process. Review and evaluate issues arising during the project lifecycle, including from engineering design reviews, bidder inquiries, addenda, requests for information and change orders.				
	Perform other duties as required for the Public Works Contracting Branch. May act for the Supervising Engineer, Water Resources.				
	SPECIAL REQUIREMENTS Possession of a valid California Driver's License and operation of vehicles on public roadways to travel to remote areas may be required. Travel and overnight lodging may be required on some trips. Field inspections are often performed on rugged terrain. The Department of Water Resources (DWR) is committed to its mission and employees, and we are grounded in our commitment to public safety. Regular, consistent, and predictable attendance is essential to successful performance in this position. OTHER RESPONSIBILITIES This position provides necessary support to the Divisions of Flood Management, Safety of Dams, Operations and Maintenance, Engineering, and/or the Public Affairs Office during governor declared emergencies, flood, dam SWP, and other incidents and emergencies. Additionally, this position may participate in emergency operations in the capacity of area teams, field inspection, coordination, and assist agencies such as CalOES and FEMA in disaster work, including performing fieldwork to complete damage survey reports for droughts, flooding, earthquakes, and other emergencies. This position may also serve in one of the sections as established in the Incident Command System to assist the Department in performing its emergency preparedness, response, recovery, and mitigation functions. These functions are established in the California State Emergency Plan and the Department's Administrative Orders. DIVERSITY, EQUITY AND INCLUSION All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination.				