Summary of Professional Qualifications of
Sergio Valles

Education

B.S. Civil Engineering, California State University at Long Beach

Professional Affiliations

Registered California Civil Engineer, Number C38887

Current Experience: From 2009 to present

Engineering Program Manager: Metropolitan Water District of Southern California: Actively partnered with DWR to develop design concepts, and planning, monitoring and reviewing the work of consultant engineers all in support of developing alternatives for the EIR/EIS for the program. Work involved developing conveyance system concepts which include river intakes, tunnels, forebays and pumping systems to achieve budget, schedule and environmental commitments for the program. I have participated as a member of the Design and Construction Enterprise, formerly the DHCCP charged with planning and implementing the planning efforts of the CWF facilities.

Previous Experience: From 2007 to 2009

Engineering Program Manager: Engineering Services Group, Metropolitan Water District of Southern California: Responsible for overseeing capital improvements during construction phase at the Weymouth Facilities.

Section Manager: Operation Support Services - Water System Operations, Metropolitan Water District of Southern California. From 2000 to 2007: Responsible for providing leadership and oversight of five diverse operational and maintenance units with an overall staff of 230 employees. Guided these units to develop standards, improve quality, improved customer service and efficiency during a time that the District added more facilities and reduced staff. These units included Fleet Services, Environmental Health and Safety, Power Support Services, Maintenance Support Services, Construction Services. I have represented Metropolitan as a member of the Operation and Maintenance Committee and Engineering Committee meetings between State Water Contractors and Department of Water Resources. I have conducted workshops that brought together DWR and MWD engineering and construction staffs to share pipeline design, construction, and repair techniques. As a Logistics Chief at Metropolitan's Emergency Operations Center I was responsible for acquiring, delivering and distributing equipment, materials and supplies to facilities affected by disasters. I also developed emergency pipeline repair plans, responded and managed pipeline repairs under emergency conditions. My responsibility included to ensure service connections are planned, designed, and constructed for member agencies.

Structural Branch Head/Principle Engineer: Engineering Division, Metropolitan Water District of Southern California. From 1993 to 2000: Through 5 direct reports was responsible for overseeing and managing all structural engineering activities at Metropolitan. To accomplish work, the Branch used in-house staff which peaked at 50 professional engineers and designers, and had the use of outside consultants as needed. During this period the Branch was actively involved in the design, review, and construction support of almost every project during Metropolitan's 10 billion dollar capital expansion program. During this period the branch staff also project managed several of projects. The capital expansion program involved new construction or rehabilitation of existing facilities including pipelines, reservoirs, pumping plants, canals pressure control facilities, tunnels, tunnel portals, buildings and ancillary facilities. The Branch was also responsible for the lead for the engineering damage assessment teams which were required to respond after major disasters such as earthquakes or flood events. The Branch was responsible for engineering any pipeline repairs and were typically one of the first in the field to arrive at the site of any pipeline break.

Section Manager/Senior Engineer: Structural Branch-Engineering Division, Metropolitan Water District of Southern California. From 1991 to 1993: Oversaw and managed the structural engineering work of 7 professional Engineers on various O&M and Capital projects. Successfully settled 15 homeowner claims around Garvey Reservoir. Designed repairs and managed project to San Joaquin Reservoir slope failure and designing geo-synthetic cover for reservoir. Successfully negotiated settlement with City of Monterey Park regarding operation of Garvey Reservoir.

Project Manager/Engineer: Structural Branch-Engineering Division, Metropolitan Water District of Southern California. From 1990 to 1991: Managed projects including Mill Administration building expansion, Mills Warehouse, San Jacinto tunnel portal, and Garvey Reservoir soil liner repairs. Project managed and designed 40 acre geo-synthetic cover and first of its kind geo-synthetic lining system including dynamic testing program for Garvey Reservoir (was the world's largest potable covered reservoir at the time). Hired consultant and initiated planning for the Emergency Operation Center at Eagle Rock. Inspected 15 homes for damage due to leak from Garvey Reservoir and began negotiating claim settlements.

Publications

Contributing Author of: *"Evolution of a Mega Project: Update on the Bay Delta Tunnels Project"*, Rapid Excavation and Tunneling Conference 2015.

Contributing Author of: (1985) *Advanced Silo Hardness (ASH) Program: buried, steel silo constructability*. Washington, D.C., Defense Nuclear Agency.