

JEFFREY ALAN SHOAF, P.E., PMP, M.ASCE

PROFILE: Bachelor of Science Degree in Civil Engineering in May, 1987. In addition, possess PROFESSIONAL ENGINEER REGISTRATION (California) and thirty-five (35) years of responsible experience in public works engineering, design, and construction including both small and large diameter pipelines and pump stations.

Personal attributes include outstanding leadership ability, a cooperative, team spirited attitude, and excellent communication and interpersonal skills.

EDUCATION: BACHELOR OF SCIENCE DEGREE – CIVIL ENGINEERING
San Diego State University, San Diego, CA – May, 1987

Honors – Dean's List ...Phi Eta Sigma...Tau Beta Pi...Chi Epsilon

LICENSES/

MEMBERSHIPS: REGISTERED PROFESSIONAL CIVIL ENGINEER (California) - R.C.E. 46207
PROJECT MANAGEMENT PROFESSIONAL - PMP 402592
AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - 232298
UTILITY ENGINEERING & SURVEYING INSTITUTE (UESI)
AMERICAN WATER WORKS ASSOCIATION (AWWA) - 709776

RELEVANT

EXPERIENCE:

December 2005 - Present:

**Principal Engineer/Senior Engineer
San Diego County Water Authority**

Plan, organize, control, and evaluate the work of the project team; develop, implement, and monitor project work plans to achieve planning, design and construction deliverables; monitor performance against the project's CIP budget; manage project standards, work processes, systems and procedures to achieve desired results stated in the current Business Plan; assist in developing the engineering department's priorities; provide leadership and work with the project team to ensure a high-performing work environment which supports achieving the department's and Water Authority's mission and vision. Currently serving as the Principal Engineer in charge of the Program Services Group overseeing warranty inspections; project close out activities; QA/QC; various engineering studies; Right-of-Way private development liaison; management of CIP project controls; and general oversight of the Department's CIP and Operating Budget.

March 1997 – December 2005:

**Senior Civil Engineer
City of San Diego, Water & Sewer Design Division**

Supervised an engineering team consisting of up to forty (40) staff members (Associate/Assistant Engineers, engineering aides, drafters, and students) in the planning, design and construction of various types of water and sewer infrastructure projects...developed, managed, and coordinated the division's quality assurance/quality control (QA/QC) section as well as the Approved Materials List and Standard Specifications...represented the Department at the regional level for the Greenbook and Standard Drawings...assembled, coordinated, and managed a multi-department team for the City's first design-build water and reclaimed water pipeline project as well as the division's first Design-Build residential sewer improvement project.

October 1996 - March 1997:
Associate Civil Engineer
City of San Diego, Field Engineering Division

Supervised six (6) resident engineers (Assistant Civil Engineers) performing quality assurance inspections for the construction of large and small public works contracts, private permits and subdivisions...perceived, obtained and analyzed the concerns of the community and council office on several high profile projects and developed, negotiated, and implemented amicable solutions to those concerns.

February 1991 - October 1996:
Associate Civil Engineer
City of San Diego, Transportation & Drainage Design Division

Supervised three (3) assistant engineers and one (1) student in the design of several street and drainage projects...responded to and assisted the City Attorney and Risk Management in litigation involving design issues...conceived, developed, and established a training program for subordinates, enabling them to prepare accurate project cost estimates and designs on their own...organized, planned, and initiated negotiation on a property acquisition reducing the purchase price for a savings of over \$200,000...assembled and led a team that expedited the design and construction for several emergency projects related to flood damage (six of these in the Tijuana River Valley).

September 1990 - February 1991:
Assistant Civil Engineer
City of Santee, Department of Public Works

Managed, coordinated, and supervised the department's inspection division...assisted in developing the city's Capital Improvement Program for all city projects (streets, drains, bikeways, parks, underground tanks, etc.)...provided detailed designs for several street improvement projects...coordinated the San Diego trolley (light rail rapid transit) extension...managed professional design consultants...represented the department at community meetings.

August 1987 - September 1990:
Junior/Assistant Civil Engineer
City of San Diego, Engineering Design Division

Worked independently to organize, plan, and prepare detailed construction drawings and specifications for numerous street and drainage projects...demonstrated proficiency in establishing accurate cost estimates for CIP projects, eliminating additional council requests...coordinated the street/drainage section's yearly preparation of budget requisitions...prevented costly change orders by solving design problems during construction...responded to and managed citizen complaints, preventing the generation of City Council inquiries...performed detail plan check for private development permits.

March 1987 - August 1987:
Junior Engineer, Hall Engineering

Consulted with owners, contractors, and architects on various projects...supervised preparation of detailed working drawings...scheduled and directed permit processing.

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List of Volunteer Activities

- **ASCE - San Diego Section/Pipeline and Environmental Group**
 - Member
 - Board Officer (2016 – 2019)

- **UESI/Pipelines Division**
 - Member
 - Conference Session Moderator
 - Conference Track Chair
 - Technical Program Co-Chair (2022 Conference)
 - Assist with Large Diameter Pipeline Forum

- **United States Society on Dams**
 - Member
 - Past Technical Planning Committee Member

- **American Water Works Association (AWWA)**
 - Member

- **Project Management Institute (PMI)**
 - Member

It is a pleasure to submit my name as a potential candidate for the Utility Engineering & Surveying Institute (UESI) Board of Governors.

As the newest institute to ASCE, UESI is dedicated to being the worldwide leader in generating and promoting excellence in engineering, planning, design, construction, operations, and asset management for utility infrastructure and engineering surveying. I am proud to be a part of this effort and am looking to enhance my role toward this goal and use my knowledge, skills, and abilities to further this effort.

I have a passion for assisting students and younger members entering the engineering profession. I enjoy watching their maturity grow as an engineer and assisting where I can to help them become registered professional engineers in their State. As a newly elected Governor, I hope to assist with mentoring our younger members in this regard and increasing the annual student membership growth and retention rate. I believe I can assist in doing so by leveraging UESI's social media presence to expand engagement at the university level.

I have over 35 years of experience in the pipeline industry designing water, sewer, and stormwater facilities. In my latest role as a Principal Engineer with the San Diego Water Authority, I have assisted with the planning, prioritization, and execution of our Capital Improvement Program. This has involved assessing the risk to our system via our robust Asset Management Program and then aligning the multi-year CIP accordingly.

I look forward to delivering enhanced value to our membership and advancing the utility, engineering, and surveying profession as a UESI Governing Board member.

Respectfully,

Jeffrey A. Shoaf, P.E., PMP, M.ASCE