

JEFFREY ALAN SHOAF, P.E., PMP, BC.PLW, F.ASCE

PROFILE: Bachelor of Science Degree in Civil Engineering in May, 1987. In addition, possess PROFESSIONAL ENGINEER REGISTRATION (California) and thirty-nine (39) 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
BOARD CERTIFIED PIPELINE ENGINEER - WATER (BC.PLW).
FELLOW - AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - 232298
UTILITY ENGINEERING & SURVEYING INSTITUTE (UESI)
PROJECT MANAGEMENT PROFESSIONAL - PMP 402592
AMERICAN WATER WORKS ASSOCIATION (AWWA) - 709776

RELEVANT

EXPERIENCE:

December 2005 - Present:

Principal 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 - UESI/Pipelines Division**
 - Member
 - Pipelines Division Executive Committee/ExCom – 2022 to present
 - Conference Co-Chair (2024)
 - Conference Technical Program Co-Chair (2022)
 - Conference Track Chair (2021)
 - Conference Session Moderator (Multiple years)
 - Assist with Large Diameter Pipeline Forum (Multiple years)

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

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

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

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

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

Why I Wish to Serve as a UESI Governor and What I Hope to Accomplish

My desire to serve as a UESI Governor stems from my current involvement as a member of the UESI Pipelines Division Executive Committee (ExCom). Since joining the ExCom four years ago, we've seen a rise in our membership and conference attendance to record breaking levels. Additionally, the ExCom has become more diverse, which I believe lends itself to meeting the needs of the division to an even greater degree.

Since attending my first Pipelines Conference in San Diego in 2009, I have looked forward each year to reconnecting with the community of engineers, surveyors, and vendors/manufacturers who gather there. That experience motivated me to become more involved in the Pipelines Division, and, when ASCE officially launched UESI in the fall of 2015, it sparked an even greater desire to find ways to contribute in a more meaningful way. Serving as a Governor would allow me to assist in shaping the future of the institute.

Throughout my 39-year career as a professional engineer, I have worked across many facets of the pipeline industry, including stormwater design, municipal water and wastewater facility development, and major wholesale regional water transmission design and construction. I believe this broad perspective, combined with my experience on the UESI Pipelines Division ExCom and commitment to fostering and mentoring our younger members, positions me to bring a valuable and distinct voice to the Board of Governors.

What I Hope to Accomplish

I hope to focus on two key priorities:

1. **Develop a professional community for long-term engagement.** The future of UESI depends on the next generation of students and early-career engineers becoming more involved with the institute. My desire is to help create pathways that draw them in early and keep them engaged throughout their career. Whether through mentorship, leadership opportunities, or more intentional integration into UESI activities, as a Board of Governors we must ensure that the next generation sees UESI as a professional home.
2. **Build a culture of diversity within UESI.** I want to create an environment where everyone feels welcomed, represented, and encouraged to participate. This includes involvement in committees, conference planning, and various leadership roles. A more diverse UESI is a stronger, more innovative UESI.

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