Michael Lindquist, P.E.

Civil Engineer

SUMMARY

- **27 years of continually advancing responsibility in the private and public sectors**
- **Expertise with master planning, project/program management, supporting operational staff, and design & construction of infrastructure projects**
- **Experience with the design and construction of rural water & wastewater projects**
- **Demonstrated success of developing practical engineering solutions that incorporate complex natural and cultural environmental compliance requirements**

RECENT PROFESSIONAL EXPERIENCE

McCord Environmental, Inc.

Mar 2024 to Present

Supported permit compliance monitoring at a series of gravel mining pit ponds. Reviewed monitoring design and supported all lake management field work (water samples/measurements and dam inspections) and standard operating procedures. Reviewed novel hot spring filtration study design for constructability and operability.

UC Davis Facilities Management: Utilities

Jan 2020 to June 2024

Led the Planning and Project Delivery Division of the Facilities Management Utilities Department. Our work included supporting operations staff, planning/technical studies, and project delivery for water, wastewater, solid waste, energy (hot/chilled water, natural gas, 12kV electrical), and storm drainage infrastructure. Responsible for developing capital budgets & project life cycle costs, creating project plans and specifications, creating and monitoring contracts with consultants and contractors, quality control of staff work products, reviewing contracts & designs to ensure accuracy and completeness, and ensuring compliance with regulatory and environmental requirements (University, CEQA, and NEPA).

Deferred Maintenance Program - Managed Utilities Department's $12M Deferred Maintenance Program consisting of approximately 50 concurrent projects being completed by staff and contractors. Directly responsible for building consensus among stakeholders to ensure the projects met user needs and could be accomplished within budget and schedule constraints. Ensured work was cost effective and consistent with UC policies, public contracting code, and environmental compliance.

Operations Support - Provided technical and management support for superintendents and field staff, including guidance with solving technical problems, budget estimates, scheduling, and interpretation of regulatory requirements. Leveraged my extensive construction experience to develop practical solutions to project issues. Available 24/7 to support operational staff.

Water Works Engineers

May 2018 to Jan 2020

Focused on water and wastewater infrastructure planning, technical studies, design, constructability reviews, and construction management. Responsible for creating and maintaining relationships with system owners, preparing proposals (including detailed scopes of work, fee estimates, and schedules), leading a design team, providing guidance on design decisions and equipment selection, and quality control of work products. Mentored professional and technical staff and responsible for personnel actions such as reviews and disciplinary actions.

Paradise Irrigation District (PID) Disaster Recovery – Program Leader for the PID Disaster Recovery Program to successfully rebuild confidence in the community's water system by restoring potable drinking water to the town following the November 2018 Camp Fire. The fire caused extensive damage to the PID water distribution system – 9,000 of the 10,500 connections were destroyed, leading to fire-induced volatile organic compound (VOC) contamination of the water system. All PID customers were under a "Do Not Drink Advisory" after the fire. Developed recovery strategies, led field and office staff conducting water system recovery tasks, managed quality control of the water quality testing, and managing the GIS system used to schedule work and communicate progress with the community and external agencies. Developed creative engineering solutions for water quality testing apparatuses, directed field construction activities, contracted with consultants and contractors, perfected sampling protocols, and ensured all work complied with federal and state regulatory and reimbursement requirements.

City of Davis, Public Works

November 2008 to June 2017

Program leader for the City's $95M Wastewater Treatment Plant Improvements Program. Led the multi-disciplinary staff (engineers, wastewater operators, lawyers, environmental scientists, construction managers, and economists) as we successfully achieved the objectives I established for the program. Under my leadership, the program consistently met or exceeded aggressive schedule and budget expectations. Supported other Public Works programs, such as revenue generation (utility rates), project financing, solid waste & recycling, water conservation, potable water production and distribution, and sustainability efforts. Communicatee project purposes, objectives, budgets, and technical details to elected officials, executive management, and the community members through written and oral communications. Built consensus among multiple stakeholders to finalize mutually agreeable objectives and courses of action.

Wastewater Treatment Plant Improvements Program - The program was tasked with the design and construction of improvements to the City's Wastewater Treatment Plant. We chose to utilize the design-build method to maximize innovation and meet stringent budget and schedule constraints. The approximately $95M program completely replaced the secondary treatment system, added tertiary treatment, rehabilitated plant components that would remain in service, and constructed a 1-MW photovoltaic array. I was responsible for leading and managing the entire program, which included master planning, overseeing our technical and management consultants, procuring a design-build team, completing environmental documentation (CEQA), interfacing with external agencies, and securing low-cost financing (State Revolving Fund Loans). During construction, I led the team responsible for construction administration, including creating and negotiating change orders, facilitating communications between the designer/contractor and City leadership, project quality, and safety. I was personally involved in negotiations and conflict resolution of the most complex issues. I maintained project transparency by actively engaging the public, elected officials, and project opponents/proponents through public meetings, personal communications, and a project specific website. The project earned an ISI Envision Silver Award for infrastructure sustainability and was completed on time and below budget.

Other Professional Experience

UC Davis Facilities Management: Utilities *2004 to 2008*

Project delivery, master planning, and operational support for water, wastewater and electrical campus utilities. Managed the engineering staff responsible for supporting campus infrastructure.

California State Parks *2000 to 2004*

Planning, design, and construction management of water, wastewater and alternative energy projects located in State Parks throughout Northern California. Extensive design and construction experience with rural water and wastewater systems. Ensured projects were in compliance with environmental regulations (CEQA and NEPA).

David Ford Consulting Engineers *1995 to 2000*

Water supply planning, climate-change modeling, computer application development, and teaching university and professional education courses.

US Army Corps of Engineers *1993 to 1995*

Improvement of Corps hydrology, hydraulics, and economic computer applications. Development of statistical-based flood damage assessment model.

Specialized Computer Application Expertise

Microsoft Visio, Microsoft Project, Bluebeam Revu, Zoom, MS Teams, and Webex

Education & Licenses

University of California at Davis	MS - Civil and Environmental Engineering 1995 BS- Civil Engineering 1993
State of California	Professional Civil Engineer, C56714

Public Service Experience

Engineers Without Borders - Mentor/Resident Engineer in Charge *2023-present*

I am a mentor for the UC Davis Student Chapter of Engineers without Borders. I am also the Resident Engineer in Charge (REIC) for the chapter's sanitation project in rural Bolivia.

Sierra Lakes County Water District *2015 to 2021*

I was the president of the Sierra Lakes County Water District Board of Directors. The elected Board is responsible for leading the public utility system that is responsible for providing safe, reliable water service and wastewater removal service for the rural community of Serene Lakes.

Interests and Experiences

Whitewater rafting guide
Ultra-light backpacking
Design and construction of home improvement projects, including renewable-energy projects
Green Bay Packers shareholder
U.S. Army veteran