

Spencer Lacy, MS, PE

Design Engineer, Recreation Engineering & Planning Inc.
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Background

Spencer Lacy is a licensed Professional Engineer with over 10 years of instream design and engineering experience working for REP. Spencer has had a lead role in many in-stream and riverside projects, giving him extensive experience in project management, concept and final project design, engineering drawing, project permitting, hydraulic modeling, and on-site construction inspection and management. He holds a Master's degree in Civil and Environmental Engineering from UC Berkeley where he focused in river restoration, environmental fluid mechanics, and fluvial geomorphology. Spencer is also a professional whitewater athlete, which gives him distinct experience to know what works and helps drive innovation in REP's river park designs.

Education & Professional Credentials

M.S., Civil and Environmental Engineering, University of California Berkeley (3.85 GPA), 2020
Focused in river restoration, environmental fluid mechanics, and fluvial geomorphology.

B.A.Sc., Civil Engineering, University of Colorado at Boulder (3.87 GPA), 2014
Focused in water resources and construction management

Professional Engineer (PE) - Colorado, Connecticut, North Carolina

Professional Experience

Design Engineer **May 2015-Present**
Recreation Engineering & Planning **Boulder, CO**

Whitewater park and riverside design and analysis, river project feasibility, drafting, 1D and 2D hydraulic modeling, regulatory permitting, fish passage design, construction field reviews, project management, PS&E development.

Graduate Researcher **August 2019-December 2020**
RiverLab, UC Berkeley **Berkeley, CA**

Member of Matt Kondolf's RiverLab research group. Research focused on combining river restoration with social connectivity as well as methods to improve public safety at low-head dams.

Highlighted Project Experience

2022-2025 WaterWorks Park, Pueblo, CO. Design engineer, drafter, and on-site inspector for this \$14M dam modification whitewater park and surf wave project. Construction was completed in 2025.

2021-Present, Franklin Whitewater Park, Franklin, NH. Project Manager, design engineer, drafter, and construction inspector for this whitewater park project. Phase I was completed in 2022 and Phase II will be constructed in 2025.

2023-Present, Arlington Bridges Replacement Project, Reno, NV. Project Manager, design engineer, and drafter. As part of a large multi-discipline engineering team, the REP team led the design and engineering of the instream portion of this \$25M bridge replacement project in downtown Reno. The project involves reconstruction of some of the whitewater park designed by REP in 2002.

2019-2022, Rio Vista Whitewater Park Improvements and Shared Use Path, San Marcos, TX. Project manager, drafter, and permitting consultant for a \$1.2M whitewater park maintenance and improvements project. An ADA compliant TxDOT funded multi-use path project extending over a mile along the San Marcos River with multiple unique river access points was a parallel project. Construction of these projects was completed in the Spring of 2022.

2020-2022 Scout Wave Enhancement Project, Salida, CO. Design engineer, drafter, and on-site inspector for this first-of-its-kind modern river surf wave project. This project was constructed in September 2022.