



The 2020 Annual Crab Feed!!

You are invited to the annual ASCE Crab Feed and presentation at Merryman's Beach House. This is always a fun affair and has been a signature event of our North Coast Branch. This event is fun for the whole family, and all family and friends are welcome. The lunch buffet will include fresh, local crab, clam chowder, grilled chicken breast, broccoli salad, bread, beverages, and a vegetarian option.

2020 Crab Feed Presentation: Mad River Crossing Pipeline Replacement Project

The **2019 Project of the Year** will be the topic of this crab feed's presentation. The Humboldt Bay Municipal Water District is a water wholesaler serving seven municipalities (approximately 88,000 people) in the Humboldt Bay area. Among these municipal customers are the Fieldbrook-Glendale Community Services District and the City of Blue Lake. The HBMWWD pipeline that provides potable water to Fieldbrook, Glendale, and Blue Lake was a 14-inch ductile iron pipeline that crossed the Mad River on an old steel railroad trestle. The trestle was built by the North Coast Railroad Authority in the 1930s and has not been maintained for decades. The trestle and associated water main are vulnerable to significant damage due to an earthquake or flood. The Mad River Crossing Pipeline Replacement Project consisted of replacing the existing 14-inch water main that crosses over the Mad River with a new horizontal directional drilled (HDD) water main under the Mad River. HBMWWD was able to work successfully with their District Engineer, GHD, sub-consultants, including Bennett Trenchless Engineers, and the contractors JC General Engineering and Mercer-Fraser for the project to ensure the continued reliability of delivering high-quality drinking water to Fieldbrook, Glendale, and City of Blue Lake. The presentation will include an overview of the project, a discussion on obtaining grant funding, an analysis of design alternatives considered, environmental studies and permitting, and a summary of the construction process for the project.

Presenters:

Nathan Stevens, PE – Mr. Stevens is a Civil Engineer with GHD Inc who has six years of experience with water infrastructure, including obtaining grant funding, design, and performing construction management services. Nathan was one of the design engineers for the project. He is a graduate of Humboldt State University with a degree in Environmental Resources Engineering.

Matthew Wallin, PE – Mr. Wallin is a Partner and Senior Project Manager with Bennett Trenchless Engineers based in Folsom, CA. BTE specializes solely in trenchless pipeline design projects throughout the country. Matt was instrumental in determining the trenchless feasibility of the project. He also completed the final HDD design and performed construction inspection services for the HDD portion of the project.

PLACE: Merryman's Beach House Moonstone Beach Road, Trinidad (Westhaven), CA 95570
DATE: Saturday, February 8, 2020
TIME: 12:00 PM: Social / No Host Bar; 12:30 PM: Fresh Crab Lunch Buffet
1:00 - 2:00 PM: Presentation
COST: \$15.00 Students/Children; \$25.00 Professionals/General
RSVP: **Please RSVP by 5PM Tuesday, February 4, 2020** (include in your RSVP if you prefer crab, chicken, or vegetarian)
Via Constant Contact or Email: Cameron.muir@dot.ca.gov
Phone: Cameron Muir at (925) 719-9130

UPCOMING EVENTS

Upcoming events can now be viewed on the new North Coast Branch webpage at:
<http://asce-sf.org/north-coast-branch-events/>