

U.S. Coast Guard San Francisco Bay Area, CA

Aids to Navigation (AtoN) repair.

Project Overview

Sustainable Group key personnel performed on-site construction services during the repair of several Aids to Navigation (AtoN) throughout the San Francisco Bay Area.

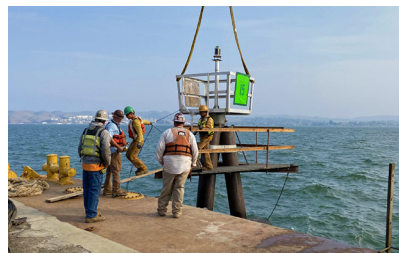
Reference

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Project Description

Over the last few years, several Aids to Navigation throughout the San Francisco Bay Area had suffered major damage or were missing creating a dangerous situation for the thousands of mariners transiting the various waterways in the area. This project required the provision of all labor, materials and equipment to repair eighteen aids under the Base Bid for this project and seven additional aids awarded as Optional Bid items. Specific elements of work included:

- **San Joaquin River LT 30** - Recover knocked down structure and construct new 3-Pile steel structure;
- **San Joaquin River Light 57** - Recover knocked down structure. Construct single pile Fiber Reinforced Polymer (FRP) structure;
- **Stockton Channel Light 1** - Remove damaged 5x5 basket and install new 5x5 basket;
- **Napa River Light 8** - Recover knocked down structure and construct single pile Fiber Reinforced Polymer (FRP) structure with reduced header;
- **San Pablo Bay Channel Light 15** - Remove failing 3-pile steel structure and construct 3-pile steel structure with 5x5 basket;
- **Napa River Light 15** - Remove damaged 5x5 basket and install new 5x5 basket;



San Pablo Light 15



Construction of Bodega Bay Range C Rear Light



Vibratory pile driving for 3-pile structure

- **Redwood Creek Entrance Light 2** - Recover knocked down structure and construct 3-Pile steel structure with reduced header;
- **Redwood Creek Entrance Light 13** - Remove leaning, damaged single pile steel structure and construct single pile Fiber Reinforced Polymer (FRP) structure with reduced header;
- **San Bruno Shoal Channel Light 4** - Remove damaged basket and ladders and install reduced header with day boards, light, and ladder sections;
- **San Francisco Airport Day beacon 1** - Remove failing wood structure and install FRP pile with reduced header;
- **Oakland Outer Harbor Light 9** - Recover knocked down structure and construct 3-Pile steel structure with reduced header;
- **Oakland Outer Harbor Light 7** - Remove leaning, damaged single pile steel structure and construct 3-Pile steel structure with reduced header;
- **Oakland Inner Harbor Light 8** - Remove leaning damaged structure and construct FRP single pile structure with reduced header;
- **N. Anita Rock Light** - Remove spalling damaged concrete tower from concrete caisson structure. Cut/grind surface of caisson. Install steel anchor bolts and mount steel pedestal structure with 5x5 basket;
- **Sacramento River DWSC Light 66** - Demolish existing concrete and steel structure and construct single pile steel structure with 5x5 basket;
- **Sacramento River DWSC Light 50** - Recover knockdown and construct single pile steel structure with 5x5 basket;
- **Sacramento River DWSC Light 6** - Demolish existing single pile steel structure and construct three pile steel structure with 5x5 basket;
- **Sacramento River DWSC Light 1** - Demolish existing single pile steel structure and construct single pile steel structure with 5x5 basket.

Option Items:

- **Bodega Bay Range C Rear Light** - Demolish existing driven single pile range structure. Bolt new pile on to existing concrete pad, install range board, ladders, 5x5 basket, and light;
- **Bodega Harbor Channel Day beacon 22** - Recover knockdown and construct single pile FRP structure with reduced header, day boards, and ladder section;
- **Bodega Harbor Channel Day beacon 44** - Recover knockdown and construct single pile FRP structure with reduced header, day boards, and ladder section;
- **Bodega Harbor Channel Light 2** - Remove damaged structure and construct single pile FRP structure with reduced header, day boards, light, and ladder section;



San Joaquin River Light 30

- **Bodega Harbor Channel Day beacon 18** - Recover knockdown and construct single pile FRP structure with reduced header, day boards, and ladder section;
- **Bodega Harbor Channel Day beacon 35** - Recover knockdown and construct single pile FRP structure with reduced header, day boards, and ladder section;
- **Bodega Harbor Channel Light 4** - Recover knockdown and construct single pile FRP structure with reduced header, day boards, and ladder section.

Sustainable Group key personnel performed on-site construction management, field superintendence, safety oversight, and Quality Control/Quality Assurance (QA/QC) services throughout the duration of this project without any safety or quality control incidents of any kind.

About Sustainable Group

Headquartered in Moraga, California, Sustainable Group Inc. is a premier licensed General Contractor (CA #966993, HAZ) providing general construction environmental remediation, demolition, civil site development, and marine construction services. Sustainable Group also offers Leadership in Energy and Environmental Design (LEED) expertise pertaining to renewable energy and sustainable sites, as well as overall facilities management consulting services. Sustainable Group key personnel have over 26 years of experience in successfully executing projects and performing expert facilities management for multiple Federal entities including the Department of Homeland Security, Department of Veterans Affairs, Department of Defense, Department of Energy, Department of Transportation, and the Army Corps of Engineers.

Let's Discuss Your Needs

Sustainable Group will become a highly valued and trusted resource that you'll rely upon to consistently provide expert, efficient and professional construction, remediation, demolition, LEED, and facility management consulting services. Contact us at your convenience; we look forward to discussing your needs.

For more information, call us at **925-899-9721**, or email info@sustainable-group.com.

Key Personnel Certifications

PE, LEED AP, PMP, CFM

Sustainable Group is a Service Disabled Veteran Owned Small Business Corporation.

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