

Academy Main Pier Design Proposal

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Problem Statement

The Main Pier at the Academy was constructed in 1932. At 80 years of age, it has exceeded both the typical design life (25 years) and the practical service life (50 years) of a timber waterfront structure. Due to the poor condition of the structure, the pier is now limited to only foot traffic; no vehicles are allowed to travel on the pier and all vessels are allowed to moor up to the pier only temporarily. As a result, both the CGC EAGLE, and CGC MORRO BAY have found alternative temporary berthing sites.



Current Pier Configuration



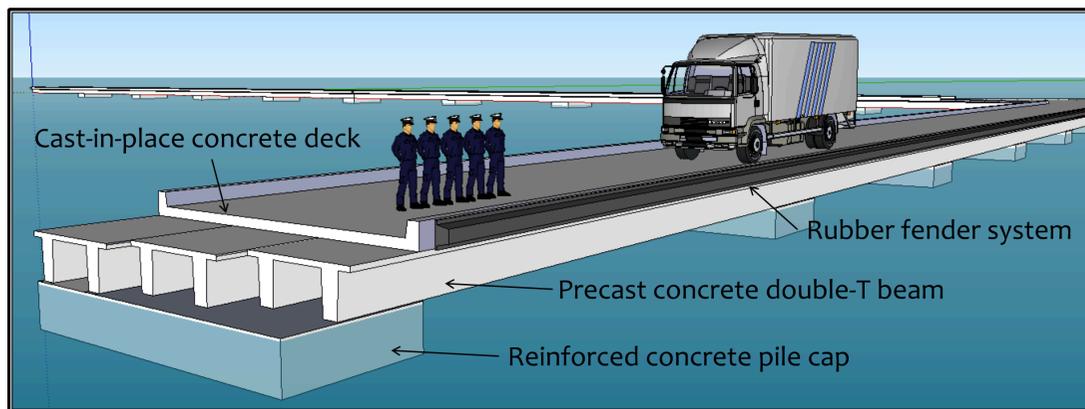
Proposed Office and Parking Sites

Deliverables

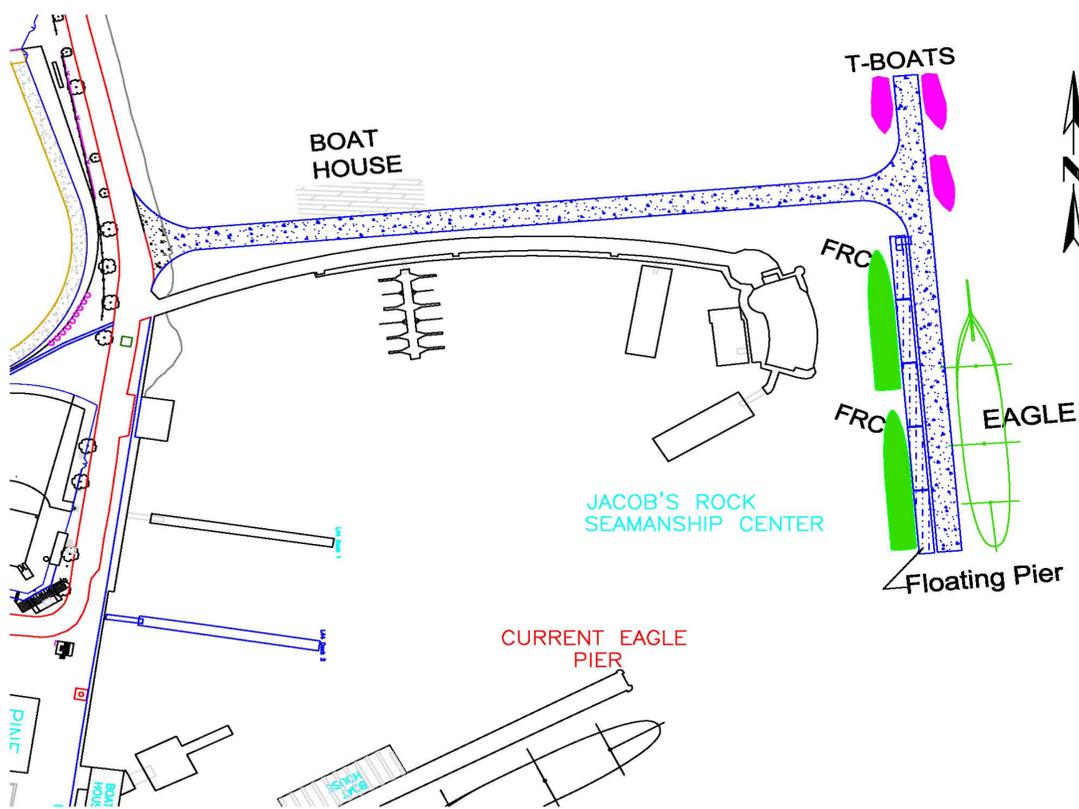
Design new pier to berth CGC EAGLE, 2 Fast Response Cutters, CGA T-Boats, and make USCGA accessible to other CG assets

Design Package to include:

- Pier Configuration
- Structural Analysis
- Environmental Impact Assessment
- Permitting Plan
- Parking/Office Proposals
- Schedule and Sequence of Activities
- Cost Estimate/Life Cycle Cost



Cross-Section of Proposed Pier



Design Proposal Pier Layout

Benefits

- Increased learning and training opportunities for Corps of Cadets
- Create homeport for Fast Response Cutters in New England area
- Bring positive publicity to USCGA
- Provide longer lasting main training pier
- Operational personnel exposure to CGA
- Protect boat basin to sedimentation

Estimated Cost: \$15 million

Estimated Construction Time: 8 months