

- Harbor operated by the City & overseen by a Harbor Commission
- Small harbor has a limited footprint
- Very narrow, rocky bar: "Hole in the Wall"
- Home to Coast Guard Station Depoe Bay
- Mix of users including fishing charters, whale watching charters, crabbing vessels, & recreational users

"World's Smallest Natural Navigable Harbor"

"Whale Watching Capital of the Oregon Coast"









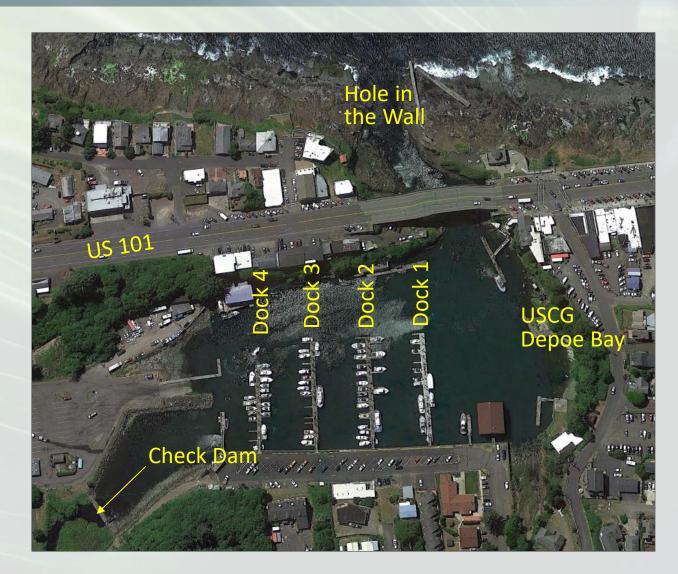








- Remove & Replace Docks 2, 3, and 4
- Dock 1 recently replaced





























- Timber floats with steel H-pile supports
- Short/steep gangways at low tide
- City wanted to maintain same vessel mix (84 slips)



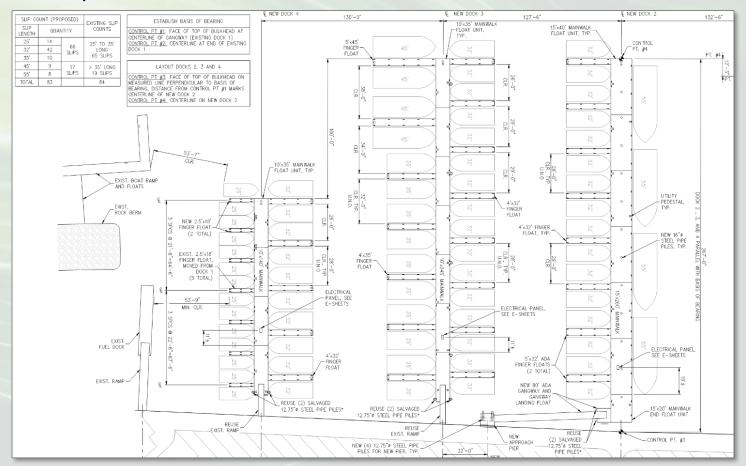






- Proposed layout had 83 slips
- Wider floats for access/ADA
- Wider slips for vessels

- Longer float fingers for access/mooring
- Reuse of pipe piles in good condition

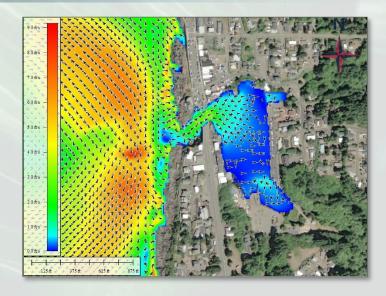


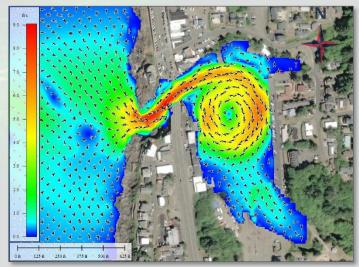


METOCEAN ANALYSIS

- PND performed wind/wave/current & tsunami analysis
- Harbor subject to surge from ocean waves
- Docks prone to tsunamis
- New floats designed to safely resist tsunami equivalent to Tohoku (not CSZ tsunami)







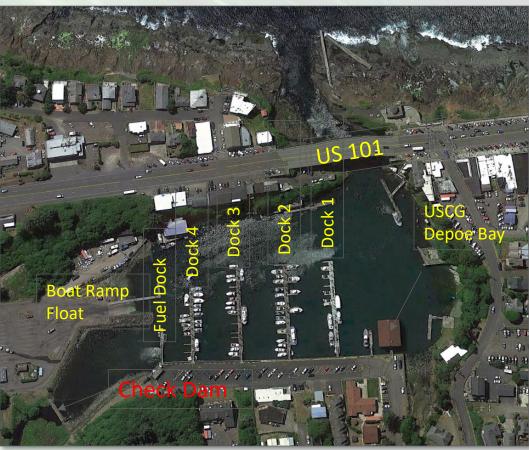






- Permitting performed by **Campbell Environmental**
- Limited opportunities for mitigation within Harbor
- Creative mitigation solution was to study the removal of the check dam
- Study concluded the check dam removal would increase erosion & harbor sedimentation













- Grated deck selected for light transmission
- Steel float frame used with double coating system (galvanizing & epoxy)
- Float fingers were designed to be removable but could remain over winter
- 12.75 and 16-inch steel pipe piles used for support. Contingency included in contract for socketing.
- 80-foot gangway for ADA accessibility (most of the time)











- Electrical design performed by Harbor Power Engineers (Wood Harbinger)
- 30A/120V electrical service at 29 pedestals
- Emergency call boxes
- Low-glare lighting



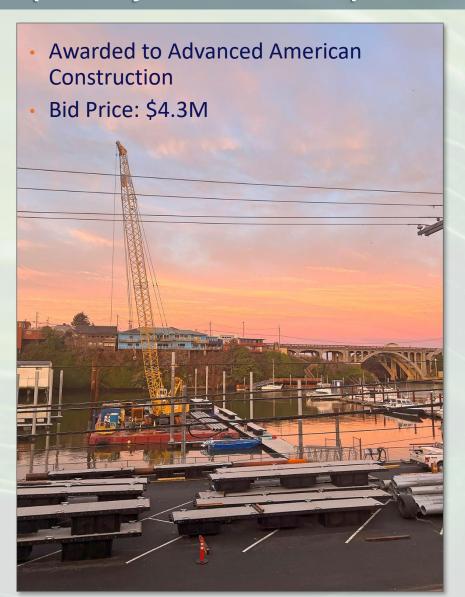








Depoe Bay Docks 2-4 Replacement CONSTRUCTION BEGAN 11/2024













COMPLETION 03/2025





















