



## PETERSBURG SOUTH HARBOR EXPANSION



The City of Petersburg retained PND to perform extensive waterfront planning and marine facility design for their three primary municipal marinas at North, Middle and South Harbor. The first step in the planning process was to assess the existing conditions of all dock and harbor facilities. PND performed detailed condition inspections and prepared in depth illustrated summaries of our findings along with estimations of remaining service life, recommendations for repair and/or replacement, cost estimates and phasing strategies.

PND worked directly with the Harbor Board and City staff to prepare a wide array of moorage and upland reconfiguration and expansion options for public comment. Following an effective public process, preferred alternatives were selected for each of the three harbors and an area wide Marine Facilities Master Plan was created. The Plan and associated cost estimates were used to secure considerable grants from state and federal sources. The Plan outlined specific work tasks in each harbor along with a strategy and schedule for implementing the construction of improvements.





Petersburg selected South Harbor as its first priority. Approximately \$15 million in improvements were identified under a five-phase development strategy. Selected improvements included: 60,000 cubic yards of dredging and ocean disposal, 25,000 cubic yards of contaminated dredge disposal and on site containment, new concrete moorage floats with steel piles, new fire and domestic water lines, extensive electrical and lighting upgrades, expanded harbor parking, a boat launch ramp and boarding float, boat grid improvements, a commercial sheet pile bulkhead dock with 2.5 acres of upland staging area, and a floating work dock with vehicle accessible transfer bridge. PND worked closely with the agencies and acquired permits to allow for the economical utilization of contaminated dredge spoils behind sheetpile bulkheads to create valuable uplands.

Services provided by PND include: facility condition assessments, concept development and planning alternatives, environmental permitting, topographic and bathymetric surveys, geotechnical and environmental investigations, final design and contract document preparation, contract administration and construction inspection.

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