



ENGINEERS, INC.

March 31, 2023

Fidalgo Marina Owner's Association
Attn: Assessment Committee, Ed Stubbs, edst@msn.com
3101 V Place
Anacortes, WA 98221

Subject: Proposal for East Breakwater Batter Pile Repairs Design and Permitting

Dear Mr. Stubbs,

Per the request of the Fidalgo Marina Owner's Association (FMOA), PND Engineers, Inc. (PND) is providing this scope of work and fee estimate to provide eelgrass survey, permitting, and engineering drawings for repairs of the batter piles on the East breakwaters at the Fidalgo Marina.

Scope of Work

Task 1 – Eelgrass Survey

The following scope and budget is for a Tier 1 Macrovegetation Survey to provide a quantitative estimate of microvegetation inside of Fidalgo Marina. Survey will be performed by GeoEngineers (GEO). GEO's scope of work can be found attached in Appendix A.

Task 2 –Permitting

The following scope and budget is for permitting services for repairs of the East Breakwater batter piles at Fidalgo Marina. The understanding is that Fidalgo Marina Association would like 5-year permit for repair of the 18 batter piles which were reported as major damage (or worse) in the 2021 dive inspection survey. Permitting services will be provided by Environmental Science Associates (ESA). ESA's scope of work can be found attached in Appendix B.

PND will coordinate ESA to provide information and drawings as required for permit procurement. GEO will coordinate with PND and ESA as necessary to facilitate completion of ESA's permitting work.

Task 3 – Pile Repair Engineering Drawings

PND will provide 100% level stamped design drawings for the repairs. As it is anticipated that repair submittal will be identical to repairs for the recent North Breakwater project, PND has not provided budget for multiple iterations of the design drawings. After the drawings are reviewed by the FMOA a final submittal will be drawings stamped by a Professional Engineering licensed to operate in Washington State.

KPW

Task 4 Bidding and Construction Assistance

PND will be available to review bid documents as required. PND will provide review of construction submittals to verify Construction Contractor's plans and materials are in accordance with the Design Drawings. PND would be available to coordinate with Construction Contractor/FMOA if any issues arise during pile repairs.

Assumptions

Any changes to the project that affect these assumptions could require a contract scope amendment.

- See attached appendices for assumptions

Schedule

We propose to provide a draft drawings within two weeks after we receive the eelgrass survey. Final deliverable will be completed one week after receiving review comments from FMOA.

Compensation

PND has split the costs up per tasks described above. Costs are summarized in the attached spreadsheet. PND can complete the proposed work on a time and materials basis not to exceed the total amount of \$46,500. Additional services outside the scope of work would be negotiated separately and could be either fixed free or billed on an hourly basis under PND's standard rate schedule.

Task	Cost
Task 1 – Eelgrass Survey	\$18,000
Task 2 – Permitting	\$12,500
Task 3 – Pile Repair Engineering Drawings	\$5,500
Task 4 – Bidding and Construction Assistance	\$10,500

Sincerely,

PND Engineers, Inc. | Seattle Office



Jon Keiser, P.E., Vice President
Principal-in-Charge



Chris Fornace, P.E., Senior Engineer
Project Manager

Kevin P Welch

