



July 8, 2025

PND 212085.02

Glorianne Wollen
Harbormaster
Petersburg Borough
PO Box 329
Petersburg, Alaska 99833

Subject: Petersburg South Harbor C Float Refurbishment – Finger Float Replacement
Task 2 – Design and Permitting Services Fee Proposal - Revised

Dear Ms. Wollen,

PND Engineers, Inc. (PND) appreciates the opportunity to provide this fee proposal for engineering services related to the anticipated replacement of finger floats along South Harbor's C Float. The scope of services under this proposal are detailed as follows:

DESIGN:

The design work anticipated under this proposal is detailed in the attached SOW document and summarized in the attached ROM budget estimate. Design submittals for 65%, 95% and Bid-Ready will be developed along with technical specifications and engineer estimates for each of these submittal deliverables.

Task 2a - Item Description	Fee
Design Services to produce Contract Documents and Engineer's Estimate.	
Total Proposed Fixed Fee (see detailed SOW attached)	\$68,000

PERMITTING:

The proposed scope for permitting assistance is as follows:

- i. A USACE Department of Army Nationwide Permit (NWP) application and associated drawings and quantities will be prepared. Following PSG review and acceptance of the application, PND will submit it to the USACE and respond to any information requests as required.
- ii. It is anticipated that the scope of improvements will be authorized under the U.S. Army Corps of Engineers (Corps) Alaska District and NOAA's National Marine Fisheries Service (NMFS) jointly developed Alaska Standard Local Operating Procedures for Endangered Species (AK-SLOPES) program. PND will complete and submit the AK-SLOPES verification form and respond to information requests as required. No additional informal or formal endangered species consultation is anticipated.

Any additional potential regulatory requirements or applications not explicitly described above are not included within the proposed scope. However, should conditions require it, PND can provide additional services, or procure them from a subcontractor, under a separate agreement.

As discussed, the permitting approach detailed above has a level of effort, cost, and timeframe to obtain that is significantly less than those anticipated for an Incidental Harassment Authorization (IHA) which was included in the previous proposal (October 2023) for this project. The AK-SLOPES program is a recent development that provides a cost-effective alternative, but does not come without risks for the owner. Exclusion zones are still part of the permit requirements and pile driving/removal work would need to be temporarily paused when a marine mammal enters the exclusion zone. Given the anticipated scope of work for this project, the proposed permitting scope may be a viable option. The Petersburg Borough would need to confirm the permitting scope they wish PND to pursue.

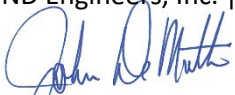
Task 2b - Item Description	Fees
Permitting	
Total Proposed T&M	\$35,000

PND proposes to provide the design services identified above for a fixed-fee amount as the scope is well defined. The permitting effort detailed above is proposed as T&M based on a level of effort for similar projects, but with the understanding that this can vary depending on the federal agency personnel assigned to the project.

We appreciate the opportunity to provide professional services to the Petersburg Borough for this essential project. Please feel free to contact PND should you have any questions or desire any changes to the proposed scope of services to better serve your needs. We look forward to continuing to work with you on this project.

Sincerely,

PND Engineers, Inc. | Juneau, AK



John DeMuth, P.E., S.E.
Principal/Vice President



Brandon Ivanowicz
Staff Engineer

Attachments

Detailed Scope of Work

- 1) Administration w/ PSG
 - A. Contract, invoicing, coordination
 - B. Confirm SOW – Base Bid w/ Add. Alts?
 - C. Correspondence/Design Clarifications
 - D. Permitting: USACE – NWP; and AK-SLOPES
 - E. Design Submittal Reviews – 65%, 95% and Bid Ready (Final)
- 2) Existing Conditions Site Plan – background review of previous South Harbor work and existing structural details (for connecting finger floats)
- 3) Demolition (Salvage) Plan
 - A. Demolition Summary/Schedule
 - B. Demolition General Notes
 - i. Utilize local dump or
 - ii. Barge concrete floats and piles out of town
- 4) Overall Site Plan and Project Control
- 5) Construction Limitations and Sequencing; General Notes
- 6) Pile Schedule and Anode Schedule
- 7) Float Design
 - A. Float Layout w/ Replacement Finger Floats
 - i. Typical Section w/ General Notes
 - configuration – concrete thickness; bullrail or cleats;
 - materials
 - freeboard
 - B. Existing Mainwalk Supplemental Floatation (as required)
 - i. Coated billets to increase/restore freeboard and/or level mainwalk float
 - ii. Coordinate w/ existing floatation installed in 2003 project
 - C. Float-to-Float Connection
 - i. Tri-Brace and/or Piano Hinge Assemblies
 - ii. Utilize existing thru-rods
 - D. Mooring Piles
 - i. Length and embedment requirements
 - ii. Fiberglass caps
 - iii. Anodes – welded to all piles
- 8) Drawing Submittals – 65%, 95% and Bid Ready (Final)
- 9) Specifications Submittals – 95% and Bid Ready (Final)
 - A. Technical specifications – PND
 - B. Front Boiler Plate – similar to past projects
- 10) Cost Estimate Submittals – 65%, 95%, Bid Ready (Final)
 - A. Quantity Estimates
 - B. Cost Estimates
- 11) Final Design Document Submittal
- 12) Bid Assistance (Bidder questions, addendum, pre-bid meeting, etc.)

PND Engineers, Inc.
Petersburg South Harbor C Finger Float Replacement
Engineering Services Fee Proposal - July, 2025
PND Project No. 212085.02



Scope of Services

<div><div>P</div><div>N</div><div>D</div></div> <div>Scope of Services</div>	Senior Engineer VII	Senior Engineer II	Senior Engineer I	Enviro Engineer IV	Enviro Engineer II	Staff Engineer VI	Staff Engineer III	Tech VI	Tech V	CAD Designer VI	Line Item Costs	Task Subtotal Costs
	\$255.00	\$177.00	\$167.00	\$172.00	\$140.00	\$172.00	\$140.00	\$169.00	\$147.00	\$147.00		
Task 2 - Engineering Design Services												
Contract Administration: Contract, correspondence, coordination w/ PB and PND staff.	12		4			4		4			\$5,092	\$67,834
Existing Conditons Site Plan: 65%, 95% and Bid-Ready	4		2			16				8	\$5,282	
Demolition Summary and Plan: 65%, 95% and Bid-Ready	4		2			16				8	\$5,282	
Overall Site Plan and Project Control: 65%, 95% and Bid-Ready	4		2			16				16	\$6,458	
Supplemental Floatation Design: 65%, 95% and Bid-Ready	4		2			16				16	\$6,458	
New Finger Float & Connection Design: 65%, 95% and Bid-Ready	8		8			40				32	\$14,960	
Mooring Pile Design: 65%, 95% and Bid-Ready	4		2			16				16	\$6,458	
Cathodic Protection Design: 65%, 95% and Bid-Ready	2		2			16				8	\$4,772	
Specifications: 65%, 95% and Bid-Ready	4		2			16		16			\$6,810	
Cost Estimates: 65%, 95% and Bid-Ready	2		2			4					\$1,532	
Post Design Submittal Review: 65%, 95% and Bid-Ready	6					6					\$2,562	
Bid Assistance	2					4		4		2	\$2,168	
Total Estimated Manhours	56		28			170		24		106		
Estimated Third Party & Reimbursable Expenses												
Third Party Expenses	None											
Admin. Fee	10% of Third Party Expenses											
TOTAL ESTIMATED FIXED-FEE												\$67,834

Notes:



SOUTH HARBOR C FLOAT FINGER FLOAT REPLACEMENT

ROM Engineer Estimate

Prepared By: PND Engineers, Inc., July 2025

Item	Item Description	Units	Quantity	Unit Cost	Amount
1	Mobilization/Demobilization	LS	All Req'd	\$205,000	\$205,000
2	Demolition, Salvage and Disposal	LS	All Req'd	\$150,000	\$150,000
3	Supply and Install New 6'x50' Finger Floats	EA	4	\$125,000	\$500,000
4	Supply and Install New 16"dia Mooring Piles	EA	4	\$18,000	\$72,000
5	Supply and Install New Pile Anodes	EA	8	\$1,375	\$11,000
6	Supply and Install New Hinged Connections	EA	4	\$30,000	\$120,000
7	Supplemental Floatation	EA	12	\$1,000	\$12,000
ESTIMATED CONSTRUCTION BID PRICE					\$1,058,000
CONTINGENCY (10%)					\$106,000
ENVIRONMENTAL PERMITTING					\$35,000
MARINE MAMMAL OBSERVATIONS					\$15,000
DESIGN & CONTRACT DOCUMENTS (6%)					\$68,000
CA/CI (5%)					\$55,000
TOTAL CONSTRUCTION PROJECT BUDGET					\$1,337,000



ENGINEERS, INC.

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