



ENGINEERS, INC.

March 11, 2016

PND 152045.02

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

Re: Petersburg Bulkhead Loading Dock
Contract Administration and Construction Inspection Services

Dear Ms. Wollen:

PND Engineers, Inc. (PND) and our electrical consultant, Morris Engineering Group, Inc. (MEG), are pleased to provide this fee proposal for engineering services during fabrication and construction of the Petersburg Bulkhead Loading Dock. We have prepared the enclosed fee breakdown for the tasks we currently anticipate based on our past experience with projects of a similar nature however in advance of receiving a detailed work plan and schedule from the construction Contractor.

Our proposal anticipates the Work will be performed within the contract completion schedule and we have allocated just eight weeks of onsite construction inspection to be performed during the most critical work. We assume that the fabrication of the major structural materials including the sheet piles, anchor piles, face beam, fender piles, bull rails and safety ladders will be completed at fabrication plants in the Pacific Northwest. PND's Seattle office will provide minimal and periodic fabrication inspections for these items. PND and MEG will provide on site field installation inspections during the most critical civil, structural and electrical system improvements. We have budgeted for one inspector working an average of 60 hours per week over a period of 8 weeks. We recognize that some work shifts may be longer or shorter and we may need to demobilize during non-critical or slower work periods. We have not included budget for double shift coverage or more than one inspector concurrently on site. Our goal is to address design, construction and quality assurance issues efficiently and promptly to avoid costly project delays for the Petersburg Borough.

We hope that we have perceived your needs appropriately and offer the attached scope and fee proposal breakdown for your consideration. Due to uncertainties associated with the Contractor's performance, we propose to contract on a time and expenses (T&E) basis in accordance with our May 2015 standard billing rates. We will monitor expenditures with you on a monthly basis and will not exceed the estimated budget without your prior written authorization.

Feel free to call me at any time should you have any questions, desire scope modifications or need additional information regarding this proposal. We look forward to working with you towards the successful completion of this project.

Sincerely,

PND Engineers, Inc. | Juneau Office

Dick Somerville, P.E.
Vice President

Enclosure



**PND ENGINEERS, INC.
STANDARD RATE SCHEDULE
EFFECTIVE MAY 2015**

		<i>Hourly Rate</i>
<u>Professional:</u>	Senior Engineer VII	\$180.00
	Senior Engineer VI	\$165.00
	Senior Engineer V	\$155.00
	Senior Engineer IV	\$145.00
	Senior Engineer III	\$135.00
	Senior Engineer II	\$125.00
	Senior Engineer I	\$115.00
	Staff Engineer V	\$110.00
	Staff Engineer IV	\$105.00
	Staff Engineer III	\$100.00
	Staff Engineer II	\$90.00
	Staff Engineer I	\$85.00
	Environmental Scientist VI	\$165.00
	Environmental Scientist V	\$150.00
	Environmental Scientist IV	\$135.00
	Environmental Scientist III	\$120.00
	Environmental Scientist II	\$105.00
	Environmental Scientist I	\$90.00
	GIS Specialist	\$90.00
<u>Surveyors:</u>	Senior Land Surveyor III	\$120.00
	Senior Land Surveyor II	\$110.00
	Senior Land Surveyor I	\$100.00
<u>Technicians:</u>		
	Technician VI	\$125.00
	Technician V	\$110.00
	Technician IV	\$90.00
	Technician III	\$80.00
	Technician II	\$70.00
	Technician I	\$45.00
	CAD Designer VI	\$110.00
	CAD Designer V	\$100.00
	CAD Designer IV	\$85.00
	CAD Designer III	\$70.00



PND Engineers, Inc.
Petersburg Bulkhead Loading Dock
Engineering Services Fee Proposal March 11, 2016
Contract Administration and Inspection Services during Construction
PND Project No. 152045.02

Scope of Services

Scope of Services	PND Senior Engineer VII	PND Senior Engineer VI	PND Senior Engineer IV	PND Senior Eng II	PND Staff Engineer V	PND Staff Engineer IV	CAD Designer V	PND Tech V	Line Item Costs	Task Subtotal Costs
	\$180.00	\$165.00	\$145.00	\$125.00	\$110.00	\$105.00	\$100.00	\$110.00		
ANTICIPATED TASKS										
1. Project Management - contract & subcontract agreements, CA/CI file system, clerical & administrative support.	8							4	\$1,880	
2. Contract administration - Prepare contract correspondence, review pay applications, prepare field orders, change orders, RFI's, deficiency notices, weekly progress meetings and reports.	24				80			12	\$14,440	
3. Conduct Preconstruction Conference via Teleconference - Prepare and distribute meeting minutes.	4				4				\$1,160	
4. Structural Submittal Reviews: Structural Steel, sheet piles & fender piles	4		24					2	\$4,420	
5. Civil Submittal Reviews - upland improvements, grading & drainage	2				12			2	\$1,900	
6. Design assistance for scope changes, unanticipated site conditions & review proposed substitutions	4		12		4		4		\$3,300	
7. (2) each Project Manager site visits and on site progress meetings w/ Borough & Contractor	24							2	\$4,540	
8. Fabrication periodic inspections for sheet piles, structural steel and fender piles. Photos & reports - periodic basis 8 hrs/wk x 6 weeks	2		8	-48				2	\$7,740	
9. On site construction inspections w/ daily reports & photos - assume 1 inspector on site 8 weeks at 60 hrs/wk through substantial completion.					480			8	\$53,680	
10. Substantial Completion Inspection & Prepare Final Punch List	12								\$2,160	
11. Punch List coordination through Final Completion & Contract Closeout Documentation	4				16				\$2,480	
12. Transfer contractor provided as-built data to electronic files	1				8		16		\$2,660	
Total Estimated Manhours	89		44	48	604		20	32		\$100,360
Estimated Third Party Expenses										
Morris Engineering Group	Electrical Engineering Services									\$2,400
Lodging	Assume 2 months @ \$1,500/mo									\$3,000
Meal per diem allowance - fabrication inspection & on site inspection	70 man days * \$65									\$4,550
Vehicle	2 months * \$1,000/month									\$2,000
Travel Allowance	Airfares, AMHS, AML & mileage for site move/demob & fabrication inspections									\$2,500
Materials Testing	Independent Lab Testing Allowance									\$500
Misc. Expenses	Job consumables, fuel, freight, small tools, field supplies, goldstreaks, etc.									\$1,000
Administrative Fee	10% admin markup on third party expenses									\$1,595
Total Estimated T&M Fee										\$17,545
										\$117,905

Note: This budget assumes single shift during 8 weeks of on site construction and that all work is completed within the contract completion dates.