



ENGINEERS, INC.

March 11, 2014

PND 132030.02

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

Re: Crane Dock Approach Widening
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 Crane Dock Approach Widening project. We have prepared the enclosed fee breakdown for contract administration and inspection tasks under the assumption that the majority of this Work will be performed concurrently with our other ongoing work at the Drive Down Facility. This allows us to inspect the construction of both projects with the same inspector. The Crane Dock completion date is approximately one month later than the DDF project so we have budgeted only four weeks of additional inspection activity. This proposal has been prepared 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. We assume that the fabrication of the major structural materials will be completed within a six week period at fabrication plants in the Pacific Northwest. PND's Seattle office will provide periodic fabrication inspections for these items on a limited part time basis. PND and MEG will provide on site field installation inspections for all civil, structural and electrical system improvements, assuming one inspector overlapping with the DDF project and covering one work shift/day. 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 2013 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 or need additional information regarding this proposal. We look forward to working with you towards the successful completion of this harbor project.

Sincerely,

PND Engineers, Inc. | Juneau Office

Dick Somerville, P.E.
Vice President

Enclosures



PND Engineers, Inc.
Petersburg Crane Dock Approach Widening
Engineering Services Fee Proposal - March 10, 2014
Contract Administration and Inspection Services during Construction
PND Project No. 132030.02

Scope of Services

Scope of Services	PND Senior Engineer VII	PND Senior Engineer VI	PND Senior Engineer III	PND Senior Engineer I	PND Staff Engineer V	PND Staff Engineer IV	CAD Designer V	PND Tech IV	Line Item Costs	Task Subtotal Costs
	\$180.00	\$165.00	\$130.00	\$110.00	\$105.00	\$95.00	\$95.00	\$90.00		
ANTICIPATED TASKS										
1. Project Management - contract & subcontract agreements, CA/CI file system, direct subconsultants & inspectors, prepare billing invoices.	8							2	\$1,620	
2. Contract administration - Prepare contract correspondence, review pay applications, prepare field orders, change orders, RFI's, DCVR's, deficiency notices. Assume 24 weeks.	2		36					4	\$5,400	
3. Conduct Preconstruction Conference via Teleconference - Prepare and distribute meeting minutes.	2		4						\$880	
4. Structural Submittal Reviews: Structural Steel, Concrete and Timber - approach dock steel substructure, deck panels, piles, ladders, net launch & concrete abutment	2		32					2	\$4,700	
5. Civil Submittal Reviews - upland improvements, grading, drainage & paving	2				8			1	\$1,210	
6. Design assistance for scope changes, unanticipated site conditions & proposed substitutions	2		8				4		\$1,780	
7. Monthly site visits & progress meetings w/ Borough & Contractor, prepare progress reports (2 each)			24					2	\$3,300	
8. Fabrication periodic inspections for piles, structural steel, approach dock, deck panels: Photos & reports - periodic basis 10 hrs/wk x 6 weeks	2		6	60				4	\$8,100	
9. On site construction inspections w/ daily reports & photos - assume 1 inspector on site 4 weeks at 50 hrs/wk through substantial completion					200			4	\$21,360	
10. Substantial Completion Inspection & Prepare Final Punch List	2		12						\$1,920	
11. Punch List Inspections through Final Completion & Contract Closeout Documentation	1		2		16			2	\$2,300	
12. Transfer contractor provided as-built data to electronic files	1		2				10		\$1,390	\$53,960
Total Estimated Manhours	24		126	60	216	8	14	21		
Estimated Third Party Expenses										
Morris Engineering Group	Electrical Engineering Services									\$6,000
Lodging	Assume 1 month @ \$1,500/mo with utilities									\$1,500
Meal per diem allowance - fabrication inspection & on site inspection	30 man days * \$65									\$1,950
Vehicle	1 month * \$1,000/month									\$1,000
Travel Allowance	Airfares, AMHS, AML & mileage for site move/ demobe & fabrication inspections									\$1,500
Materials Testing	Independent Lab Testing Allowance									\$1,000
Misc. Expenses	Job consumables, fuel, freight, small tools, field supplies, goldstreaks, etc.									\$500
Administrative Fee	10% admin markup on third party expenses									\$1,345
	Total Estimated T&M Fee									\$14,795
										\$68,755

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