



ENGINEERS, INC.

April 5, 2018

PND 162089

Chris Cotta  
Assistant Public Works Director  
Petersburg Borough  
P.O. Box 329  
Petersburg, AK 99833

Subject: Upper Petersburg Dam Rehabilitation  
Additional Services: Permitting, Design and Construction Phase  
Engineering Services Fee Proposal (Revised)

Dear Chris,

Per our discussions PND Engineers Inc. (PND) is pleased to provide this proposal for additional permitting and design services as well as construction phase engineering services.

Additional permitting services were provided to respond to the questions and requests for information that the Alaska Department of Natural Resources (DNR) Dam Safety Engineer required. The permit to construct is now in-hand and other than reporting to DNR the permitting process should be complete.

Additional design was needed as the replacement of the top spillway wall was found in poor condition and Petersburg Borough asked that it be replaced. PND provided that additional design service.

Construction phase services are to include:

- 1) Attending the pre-construction meeting,
- 2) Training Petersburg Borough inspector for concrete sampling and testing,
- 3) Reviewing submittals,
- 4) Responding to contractor requests for information,
- 5) Performing milestone inspections including substantial completion,
- 6) Reviewing pay requests, and
- 7) Preparing record as-built drawings.

PND is to work with the Petersburg Borough on-site inspector who will be performing daily inspections at the dam site per the DNR permits. The Borough inspector will be taking concrete samples and sending concrete to a lab for testing. Sampling and testing costs are not included in PND's proposal.

PND proposes to provide all the above outlined services on a time and expenses basis. We estimate our time fees to be as follows:

Additional Design	\$ 2,140
Additional Permitting Services	\$ 4,480
Construction Services	\$29,996

Detailed breakdowns of this amounts are attached. We will invoice our time monthly in accordance with our attached rate schedule and our expenses at cost plus 10 percent.

Hopefully, this suits your needs. If you have questions or need additional information, please feel free to contact me.

Sincerely,  
PND Engineers Inc. | Juneau Office



Chris Gianotti, P.E.  
Senior Engineer, Vice President

**PND Engineers, Inc.**  
**Petersburg Upper Dam Concrete Spillway Rehabilitation**  
**Additional Services - Permitting and Design (Revised)**  
**PND Project No. 162089.02**

## Scope of Services

Scope of Services		PND Senior Engineer VII	PND Senior Engineer VI	PND Senior Engineer I	PND Tech V	PND Staff Engineer V	PND Staff Engineer IV	CAD Designer V	PND Tech V	Line Item Costs	Task Subtotal Costs
		\$190.00	\$175.00	\$120.00	\$115.00	\$115.00	\$110.00	\$105.00	\$115.00		
<b>ANTICIPATED TASKS</b>											
1. Additional Design		2			8			8		\$2,140	\$2,140
2. Additional Permitting		12				20				\$4,480	\$4,480
<b>Total Estimated Manhours</b>		14			8	20		8			
<b>Estimated Third Party Expenses</b>											
Administrative Fee		10(9)% admin markup on third party expenses									
											<b>Total Additional Engineering Design and Permitting Fees</b>
											<b>\$6,620</b>

### Scope of Services

Scope of Services	PND Senior Engineer VII	PND Senior Engineer VI	PND Senior Engineer II	PND Tech V	PND Staff Engineer V	PND Staff Engineer IV	CAD Designer V	PND Tech V	Lane Item Costs	Task Subtotal Costs
ANTICIPATED TASKS										
1. Preconstruction Meeting	16								\$3,040	
2. Weekly Progress Meetings by Telephone	8								\$1,520	
3. Concrete Inspector Training			18							
4. Submittal Reviews										
Construction Schedule	1				2				\$420	
Erosion and Sediment Control	1				4				\$650	
Work Pad and By Pass Plan	1				4				\$650	
Concrete Mix Design	1				2				\$420	
Concrete Reinforcement	1				4				\$650	
Curved Concrete Formwork	1				4				\$650	
Structural Steel Shop Drawings	1				2				\$420	
5. Responding to Contractor Requests for Information	8				16				\$3,360	\$3,860
6. Milestone Inspections										
By Pass and Work Pad in Place - Concrete removal started				16					\$1,760	
Concrete removal complete, concrete rebar embedment in progress				16					\$1,760	
Face Mat in place - initial spillway face concrete placement				16					\$1,760	
Spillway top wall reinforcement and concrete placement									\$1,760	
7. Substantial Completion Inspection	16								\$3,040	\$7,040
8. Pay Request Review	2			2	4				\$1,060	\$3,040
9. As Built Plans - Record Documents	4			8			24		\$4,160	\$1,060
										\$4,160
<b>Total Estimated Manhours</b>	<b>61</b>		<b>18</b>	<b>74</b>	<b>42</b>		<b>24</b>			
<b>Estimated Third Party Expenses</b>										
Airfare		7 RT at	\$415	per trip					\$2,905	
Car Rental		15 days @	\$200	per day					\$2,600	
Perdiem		7 days @	\$200	per day					\$1,400	
Airport Parking		13 days @	\$14	per day					\$182	
Concrete Sampling and Testing; Not included										
Administrative Fee		10% admin markup on third party expenses							\$709	\$7,796
Total Construction Phase Engineering Fees										
\$29,996										

**PND ENGINEERS, INC.  
STANDARD RATE SCHEDULE  
EFFECTIVE MAY 2017  
EFFECTIVE UNTIL MAY 2018**

		<i>Hourly Rate</i>
<u>Professional:</u>	Senior Engineer VII	\$190.00
	Senior Engineer VI	\$175.00
	Senior Engineer V	\$160.00
	Senior Engineer IV	\$150.00
	Senior Engineer III	\$140.00
	Senior Engineer II	\$130.00
	Senior Engineer I	\$120.00
	Staff Engineer V	\$115.00
	Staff Engineer IV	\$110.00
	Staff Engineer III	\$105.00
	Staff Engineer II	\$95.00
	Staff Engineer I	\$90.00
	Environmental Scientist VI	\$170.00
	Environmental Scientist V	\$155.00
	Environmental Scientist IV	\$140.00
	Environmental Scientist III	\$125.00
	Environmental Scientist II	\$110.00
	Environmental Scientist I	\$95.00
	GIS Specialist	\$95.00
<u>Surveyors:</u>	Senior Land Surveyor III	\$125.00
	Senior Land Surveyor II	\$115.00
	Senior Land Surveyor I	\$105.00
<u>Technicians:</u>		
	Technician VI	\$130.00
	Technician V	\$115.00
	Technician IV	\$95.00
	Technician III	\$85.00
	Technician II	\$75.00
	Technician I	\$50.00
	CAD Designer VI	\$115.00
	CAD Designer V	\$105.00
	CAD Designer IV	\$90.00
	CAD Designer III	\$75.00