

Harai & Associates, Inc.

Consulting Civil Engineers & Land Surveyors

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September 2, 2024

Steve Giesprecht
Borough Manager
Petersburg Borough
P.O. Box 329
Petersburg, Alaska 99833

Re: Banana Point Breakwater Replacement Permitting &
Engineering Services for Bid Ready Documents
Engineering Services Proposal

Steve,

I would like to offer engineering services for the second phase of the Banana Point Breakwater Replacement. The first phase of the project was done several years ago. This first phase included design drawings and technical specifications bundled into a bid package that could be advertised for this construction.

I will be working with you and Borough staff during this second phase of the project. The main work during this second phase of the project is required permitting. It is my understanding that the only permitting required is the Army Corp of Engineers Permit. Application for the permit requires completing their application form. After the Corp of Engineers receive and review the permit application there are usually several review and resend cycles involved. The time frame for this process is usually around 6 months. I do not see any problems with obtaining the permit, but is all in the control of the Army Corp of Engineers. We will have to wait and see their response. Also, additional agency permits might be required that are unknown at this time. If this is the case, additional engineering time may have to be negotiated with the Borough.


After the permitting, some engineering time will have to be expended to bring the existing plans, specifications, bid documents and cost estimate up to date from the originals that have been on the shelf for several years.

The final product for this phase of the project will be permits, up to date plans, specifications, bid documents and cost estimate. The project can then issue an "Invitation to Bid" and move forward to the construction phase. The bid advertising, opening, award, project administration and inspection are not included in this proposal. These last services can be given to you at a later date. Any permitting fee will be billed directly to the Borough, however at this time I do not foresee any permitting fees.

Costs for Banana Point Phase 2 engineering services are estimated as follows:

Review existing project information Professional Engineer: 20 hrs @ \$125/hr =	\$2,500.00
Review Corp of Engineer Permit requirements Professional Engineer: 20 hrs @ \$125/hr =	\$2,500.00
Corp of Engineer Permit required maps and drawings Professional Engineer 40 hrs @ \$125/hr =	\$5,000.00
Corp of Engineer Permit application paper work Professional Engineer 20 hrs @ \$125/hr =	\$2,500.00
Site survey to gather additional Corp of Engineer Permit information 2 Man Survey Crew 10 hrs @ \$185/hr =	\$1,250.00
Reduce survey data & enter into autocad Professional Engineer 10 hrs @ \$125/hr =	\$1,250.00
Corp of Engineer Permit - several review and resubmit information cycles Professional Engineer 60 hrs @ \$125/hr =	\$7,500.00
Bring the existing plans, specifications, bid documents and cost estimate up to date Professional Engineer 20 hrs @ \$125/hr =	<u>\$2,500.00</u>
Engineering Services Total	\$25,000.00

The total cost for these engineering services is \$25,000.00. If you have questions or I can be of further help, please call me. Thank you, for considering my engineering and design services.


Alan Murph, PE/LS
Harai & Associates, Inc.