

AKV285 (322826)
Kwinhagak Harbor Entrance Improvements #01064
Project Management Plan Agreement

1. PDT MEMBERS SIGNATURES

The undersigned agree to follow the provisions of this Project Management Plan (PMP). All Team Members understand exactly what is necessary to complete their work tasking to meet the objectives of this project to fulfill this mission. Changes to scope, schedules, costs, or strategy included in this plan must be coordinated and approved.

Melanie Harrop 9/25/09

Melanie Harrop, Project Manager Date

Mary Adams 9/25/09

Mary Adams, Real Estate Division Date

Pat Fitzgerald 9/25/09

Pat Fitzgerald, Project Formulation Date

Jason Norris 9/25/09

Jason Norris, Economics Date

Dee Ginter 9/25/09

Dee Ginter, Hydraulics & Hydrology Date

Michael McKinnon 9/26/09

Michael McKinnon, Customer Date

Guy McConnell 28 Sept 09

Guy McConnell, Environmental Date

2. SCOPE OF WORK

The purpose of this work is to develop a project planning document for harbor entrance improvements at Kwinhagak. The document will include an outline of reasonable alternatives for marine transfer needs and a record of public involvement that includes a community resolution providing their response to the proposed resulting project. Real estate needed for the project will be identified. The final planning document will also include an outline of likely local, state and federal permit requirements and a planning-level design and construction cost estimate, economic benefits, and additional study that would be required to construction the project.

Recommend alternative(s) which best meets the communities needs. Determine the requirements, location, and prepare a summary report:

- The City of Kwinhagak will be contacted to discuss the scope and potential entrance improvements.
- Community scoping meeting and site visit
- Acquire existing engineering and environmental data available.
- Prepare harbor entrance improvement options.
- Prepare an economic evaluation of the sustainability of the community.
- Identify needs for geotechnical investigation; bathymetric; topographical; and surveys, etc..
- Determine need for right of way and ownership for proposed alternatives. Prepare a map that illustrates those needs.
- Prepare a real estate plan for final alternative developed for the project that details the requirements and sets the stage for right of way acquisition.
- Estimated design costs and construction costs.
- Prepare a technical report with aerial photos suitable for design if available. The results of this effort will be documented in a 5-10 pages technical report.

3. SCHEDULE

Project Start	April 2009 (A)
Site Visit	29-30 July 2009 (A)
Trip Report	14 August 2009 (A)
Preliminary Draft Report 50% for Review	December 2009
Report for Chiefs Review	January 2010
Meet with Denali Commission to Discuss Design	January 2010
Report Complete	February 2010
Project Closeout	April 2010

All scheduling information will be kept current on a monthly basis by the PM via P2 updates. For specific project scheduling information, refer to the individual P2 project states reports.

4. BUDGET

Funds in the amount of \$200,000 have been appropriated by the Denali Commission and sent to the Alaska District, U.S. Army Corps of Engineers in the Denali Commission Agreement Titled Kwinhagak Entrance Improvements - # 010164.

Description	Estimated Cost
Summary Report	
Hydraulics and Hydrology Coastal Engineer <i>(Five)</i>	\$37,000
Surveys	\$40,000
Real Estate	\$10,000
Environmental	\$10,000
Economics — <i>(See E below)</i>	\$50,100
Cost Engineer	\$3,000
Planner	\$25,000
Project Manager	<u>\$24,900</u>
Project Total	\$200,000

5. QUALITY MANAGEMENT PLAN.

The deliverables will include a technical report that will be reviewed for quality and technical adequacy by appropriate members of the PDT. The PM will maintain frequent contact with the customer to insure a quality product.

A. H&H Deliverable: Three improvement alternatives will be considered at Quinhagak. These will be a combination of improvements to the existing City dock or relocation. The wave and current climate and the sediment transport/infilling rate will be estimated to provide input for a first order cost of the solutions being proposed. Identify data acquisition needs for full design (survey, climate, tides, geotechnical investigation, etc.).

B. *Real Estate* RE Deliverable: Determine need for right of way and ownership for proposed alternatives. Prepare a map that illustrates those needs. Prepare a real estate plan for final alternative developed for the project that details the requirements and sets the stage for right of way acquisition.

C. Cost Estimate Deliverable: Prepare a cost estimate for construction.

D. Planning Deliverable: Compile report sections from study team and coordinate review of draft technical report with Corps, Denali Commission, and City of Quinhagak to finalize the report.

E. Economics Deliverable: The City of Quinhagak (or Kwinhagak) is located on the Kanektok River on the east shore of Kuskokwim Bay. The Denali Commission asked the Corps of Engineers to assist in evaluating harbor entrance channel dredging and relocation or rehabilitation of the city dock. The community asserts that they must pay higher prices for fuel due to the landing conditions at the harbor. In addition, commercial fishers must time deliveries to the local seafood plant based on suitable tides.

It is anticipated that the economics staff will coordinate with Coastal Villages Regional Fund to conduct the needed work at Quinhagak. Following are the deliverables associated with the economics effort to determine the feasibility of the project as currently envisioned, this is detailed out as the request of the customer:

Economics Deliverable Breakdown with budget:

1. Description of community – including historical and projected population, employment, and income based on Alaska Department of Labor and Workforce Development statistics and U.S. Census Bureau information.
2. Government structure – including city government entities and paying particular attention to the community's ability to obtain funding for capital projects and/or repay debt obligations.

3. Site visit – It is anticipated that a one to two day site visit will be needed to gather the detailed information for the following tasks.
4. Evaluation of existing barge landing operations – this effort will include interviews with the existing barge operators in order to document the delivery of fuel and cargo to the community under current conditions. Amount and kinds of product will be detailed along with typical delivery schedules for the community. Number of barges, kinds of cargo, operational challenges (i.e. shallow channels, wait for tides, interference with other traffic) will also be documented.
5. Conduct interviews with landing dock users – It is anticipated that interviews with barge dock users can be conducted in the community with follow-up discussions by telephone from Anchorage. The purpose of the interviews will be to obtain details of the challenges faced by dock users in the community. Interviews will also attempt to gauge changes that dock users would envision in the event of improvements at the facility.
6. Conduct interviews with commercial fishers – Challenges faced by commercial fishers in the area will be assessed by conducting interviews and following up with telephone calls from Anchorage. The purpose of the interviews will be to obtain details of the challenges faced by the users and assess how their operations would change with improved conditions at the harbor.
7. Potential for expansion – this effort will summarize the anticipated changes as a result of improvements. Information will be obtained from the Denali Commission, the State of Alaska Department of Transportation, and City representatives to estimate increased traffic, anticipated changes in delivery of fuel and cargo, and qualitative discussion of economic expansion that might take place as a result of improvements.
8. Examination of alternatives – It is anticipated that no more than three improvement alternatives will be considered at Quinhagak. These will be a combination of improvements to the existing City dock or relocation. Costs from these alternatives will be incorporated into a benefit/cost analysis to meet Denali Commission needs.
9. Detailed benefit analysis – The benefit analysis effort will include potential changes to the city's revenues, savings to dock users, and anticipated expansion as a result of improvements.
10. Estimate of savings/costs – use existing information to estimate the savings to the community from improved facilities. This effort will estimate existing costs for delivery of fuel and cargo and make comparison to the anticipated costs with improvements. Costs of construction will be compared to the savings to the community and state from infrastructure improvements over time using the federal fiscal year discount rate in effect at the time (FY09 is 4 5/8 percent) and a 50-year period of analysis. Calculations will be prepared to determine if benefits of project construction exceed the cost.
11. Report draft and final – The Corps will prepare a written economics report (10 to 20 pages) including assumptions used in the analysis for review by the Denali Commission and after an appropriate comment period will incorporate comments and finalize report. It is anticipated that electronic copies of the final report will be provided to the Denali Commission along with backup material.

12. Economics Budget/Timeline: A site visit is anticipated for this effort in order to gather information and meet with community officials and other interested parties.

Deliverables	Anticipated Date of Submittal	Budget
Task 1 and 2	30 days from NTP	\$ 4,000
Task 3 - site visit (includes airfare and per diem)	60 days after NTP	6,500
Tasks 4 through 6 - interviews	90 days after NTP	10,500
Task 7 – expansion potential	120 days after NTP	4,000
Task 8 – examination of alternative development	150 days from NTP	10,500
Tasks 9 - benefit analysis	180 days after NTP	9,000
Task 10 – savings estimate	180 days after NTP	2,000
Draft report	210 days from NTP	2,000
Final report	30 days after received comments	1,600
Total		\$50,100

F. Environmental Deliverable: Identify the environmental coordination and permit requirements that would be needed for construction.

G. Customer expectations are for a quality product.

6. PDT MEMBERS

To provide for consistent and effective communication between the Corps, Denali Commission and the City of Port Graham, points of contact for each party are:

Name	Title	Contact
Felipe Hernandez III	Tribal Administrator	907-556-8165 x 202 Fhernandez3.nvk@gmail.com
Fannie Moore	City Administrator/Clerk	907-556-8202 Fmoore.nvk@gmail.com
Mike McKinnon	Denali Commission Transportation Program Manager	907-586-1986 Email: mgmckinnon@gci.net
Melanie Harrop	Project Manager	Phn: 753-5694 Email: melanie.a.harrop@usace.army.mil
Pat Fitzgerald	Planner	Phn: 753-5638 Email: Patrick.s.fitzgerald@usace.army.mil
Mary Adams	Real Estate	Phn: 753-2574 Email: mary.adams@usace.army.mil
Guy McConnell	Environmental	Phn: 753-2614 Email: guy.r.mcconnell@usace.army.mil
Deirdre Ginter	H&H	Phn: 753-2805 Email: Deirdre.m.ginter@usace.army.mil

Jason Norris	Economist	Phn: 753-5577 Email: Jason.m.norris@usace.army.mil
Al Arruda	Cost Engineer	Phn: 753-5679 Email: albert.arruda@usace.army.mil

Communication will be by phone, email, and in person meetings as needed over the course of the work period.

Harrop, Melanie A POA

From: Mike McKinnon [mgmckinnon@gci.net]
Sent: Saturday, September 26, 2009 10:50 AM
To: Harrop, Melanie A POA
Subject: RE: Quinhagak PMP for Final Review: COB 9-23-09

Although I am late with a response, I believe the report plan is a good one and recognize from previous work that while the largest single item is economics, I have come to understand that 'economics' seems to encompass much more than a straight benefits analysis. So, will look forward to a scope of work on the economics as usual! Thanks for getting this project into full operations status.
Mike

-----Original Message-----

From: Harrop, Melanie A POA [mailto:Melanie.A.Harrop@usace.army.mil]
Sent: Thursday, September 17, 2009 9:42 AM
To: Fore, Anne D POA; Cordova, Lorraine A POA; Cunningham, Lisa R POA; Fitzgerald, Patrick S POA; Ginter, Deirdre M POA; McConnell, Guy R POA; Norris, Jason M POA; Mike McKinnon
Cc: Harrop, Melanie A POA
Subject: Quinhagak PMP for Final Review: COB 9-23-09

Team

Attached is the final review version of the PMP for Quinhagak (Kwinhagak) Harbor Entrance Improvements Project. Please provide your comments by COB 23 September for incorporation for signature.

Thank you.

Melanie Harrop
Project Manager
Alaska District
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