TKS001 (352691)
Tenakee Springs Ferry Dock Design RA-543
Project Design Plan Agreement

1. PDT MEMBERS SIGNATURES

The undersigned agree to follow the provisions of this design. All Team Members generally understand 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. This plan focuses on the detailed related to the project specifics and falls under the Denali Commission Program Management Plan.

1/31/12		1/31/12	
Project Manager	Date	Real Estate Division	Date
1/31/12		1-3-12	
Hydraulics & Hydrology (Structural)	Date	Cost Engineering	Date
Email Approval 2-2-2012		2 Feb 2012	
Denali Commission	Date	Environmental	Date

2. SCOPE OF WORK

The project is to design repairs to the Tenakee Springs Dock, with an emphasis on the dock surface. Currently, the concrete dock surface is spalling and structural components, including reinforcing steel, are exposed to maritime conditions at several sites along the dock. The preliminary design effort will examine the overall dock structure to determine priority improvement needs, with an emphasis on deck, substructure and piling support system. While noting utilities and other ancillary facilities, these components will be a lower priority to structural components. The goal of the design will be, working with the community and the Commission, identify immediate safety needs related to the dock surface, and to identify other structural and operational needs, which the community can seek construction phase funding for through various sources, including the Commission.

The final product will include:

- a record of public involvement that includes a community resolution providing their response to the proposed project,
- design and technical specifications,
- final construction cost estimate,
- identification required for real estate authorizations for construction, and
- preparation of environmental permits needed.

The Corps completed a site visit trip report with the recommended design scope of:

Design a new concrete deck over the existing steel substructure to extend the ferry dock life for at least another 25 years. Proceed with a design to: replace the existing concrete deck with a new concrete deck including guard rails; include an option to make coating repairs on the substructure beams where required; and include an option to replace the cathodic protection anodes on the structure.

Email from 5 December 2011 from Mike McKinnon recommend the Corps proceed to design under the scope of work outlined in the trip report, as stated above.

3. DELIVERABLES

Hydrology and Hydraulics (H&H) Deliverable: The following tasks are related to the hydraulic studies:

Identify Existing Conditions and Preliminary Design Development

Initial Site Visit: This task will include evaluating the existing conditions. City officials and other local observers will be interviewed to gain information about the existing conditions at the existing dock. The H&H team member will identify potential design constraints; such as deep- and shallow-water limitations, uplands access, geotechnical, environmental, real estate, and construction considerations. *Complete*

Hydraulics (Structural): An evaluation of the load capacity of the existing substructure including all components below the deck level will be performed. Repair of minor deficiencies will be included in the contract documents. If major deficiencies are found, recommendations will be forwarded to the Commission. New and existing structural features will be designed/evaluated for both a 100 pound per square foot area live load and for a 10,000 pound four wheel vehicle load.

Compute Quantities: Provide quantities for dock repair.

Prepare Drawings: A complete set of drawings for bidding purposes will be prepared.

Prepare Specifications: H&H will prepare technical specifications for the various features of work.

Technical Review: H&H will prepare the technical review package, facilitate the review, address and resolve review comments, and finalize the plans and specifications package to be ready for delivery to the Denali Commission. An in-house ITR review is assumed.

Technical Integration: All Engineering Services products will be integrated and provided in the final design documents and electronic deliverables.

Real Estate Deliverable: Identify rights of way, confirmation of required land ownership and sponsors construction right of way approval.

Environmental Deliverable: Preparation of an Environmental Assessment (EA) will be prepared to meet National Environmental Policy Act (NEPA) obligations. Environmental coordination and permit requirements will include:

- National Historic Preservation Act (NHPA) Section 106 evaluation of historical/cultural resources in the project area, and coordination with the State Historical Preservation Officer (SHPO).
- Coordination with National Marine Fisheries Service for Essential Fish Habitat issues.
- Coordination with U.S. Fish & Wildlife Service on the Endangered Species Act. It is not expected that formal consultation will be required.
- Section 404 Clean Water Act (CWA) and Section 10 (1899) River and Harbor Act coordination and permit with the U.S. Army Corps of Engineers. Mitigation to meet current permitting guidelines will be coordinated. General permits will be used if possible.
- Coordination to obtain CWA Certification of Reasonable Assurance form Alaska Department of Environmental Conservation.
- Any activity that could affect nesting by birds will be planned to comply with the Migratory Bird Treaty Act.

Cost Engineering Deliverables:

- Detailed Current Working Estimate (CWE) and construction schedule based on interim (50%) design specifications, drawings, and quantities provided by Hydraulics
- Detailed CWE and construction schedule based on final (95%-100%) design specifications, drawings, and quantities provided by Hydraulics.

Project Management Deliverable: All required reports schedules and budgets necessary to complete the project.

Customer expectations are for a final design which will include:

- Final design and construction plans and technical specifications
- Final construction cost estimate
- Permits and environmental documentation to support construction

4. SCHEDULE

Project Start	5 October 2011 (A)
Site Visit	26-27 October 2011 (A)
Trip Report Finalized	30 November 2011 (A)
50% Draft Design for PDT Review	3 December 2012
50% Design for Chiefs Review	26 December 2012
Meet with Denali Commission to Discuss Design and NEPA	9 January 2013
Final Design ITR Complete	27 March 2013
Design Complete Ready for Release	3 June 2013
Design Package to Customer	14 June 2013
Project Closeout	31 December 2013

All scheduling information will be kept current on a monthly basis by the Project Manager via P2 updates. For specific project scheduling information, refer to the individual P2 project states reports. A copy of the schedule is kept in MS Project and has been attached as a reference below.

5. BUDGET

Funds in the amount of $150,000 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 Tenakee Springs Ferry Dock Design, Award RA-543.

Description	**Estimated Cost**
Hydraulics & Hydrology	$77,000.00
Real Estate	$5,200.00
Environmental	$23,000.00
Cost Engineering	$21,100.00
Project Manager	$12,630.00
Travel and Other SVS	$11,070.00
Project Total	**$150,000.00**

6. PDT MEMBERS

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

Name	Title	Contact	Reassigned
Don Pegues	Mayor, City of Tenakee Springs	Phn: 907-736-2207 Email: citytke@gmail.com	
Tessa DeLong	Denali Commission Senior Program Manager	Phn: 907- Email: tdelong@denali.gov	
Mike McKinnon	Denali Commission Transportation Project Manager	Phn: 907-523-9877 Email: mgmckinnon@gci.net	
Adison Smith	Denali Commission Transportation Project Management Assistant	Phn: 907-271-1640 Email: asmith@denali.gov	
Melanie Peterson	Project Manager	Phn: 753-5694 Email: melanie.a.peterson@usace.army.mil	

Guy McConnell	Environmental	Phn: 753-2614 Email: guy.r.mcconnell@usace.army.mil	
Robert Tedrick	Structural Engineer	Phn: 753-5745 Email: Robert.c.tedrick@usace.army.mil	
Anne Fore	Cost Estimator	Phn: 907-753-5574 Email: anne.d.fore@usace.army.mil	
Ron Green	Realty Specialist	Phn: 753-2848 Email: Ronald.j.green@usace.army.mil	
Kirk Miller	Alaska Department of Transportation	Email: kirk.miller@alaska.gov	

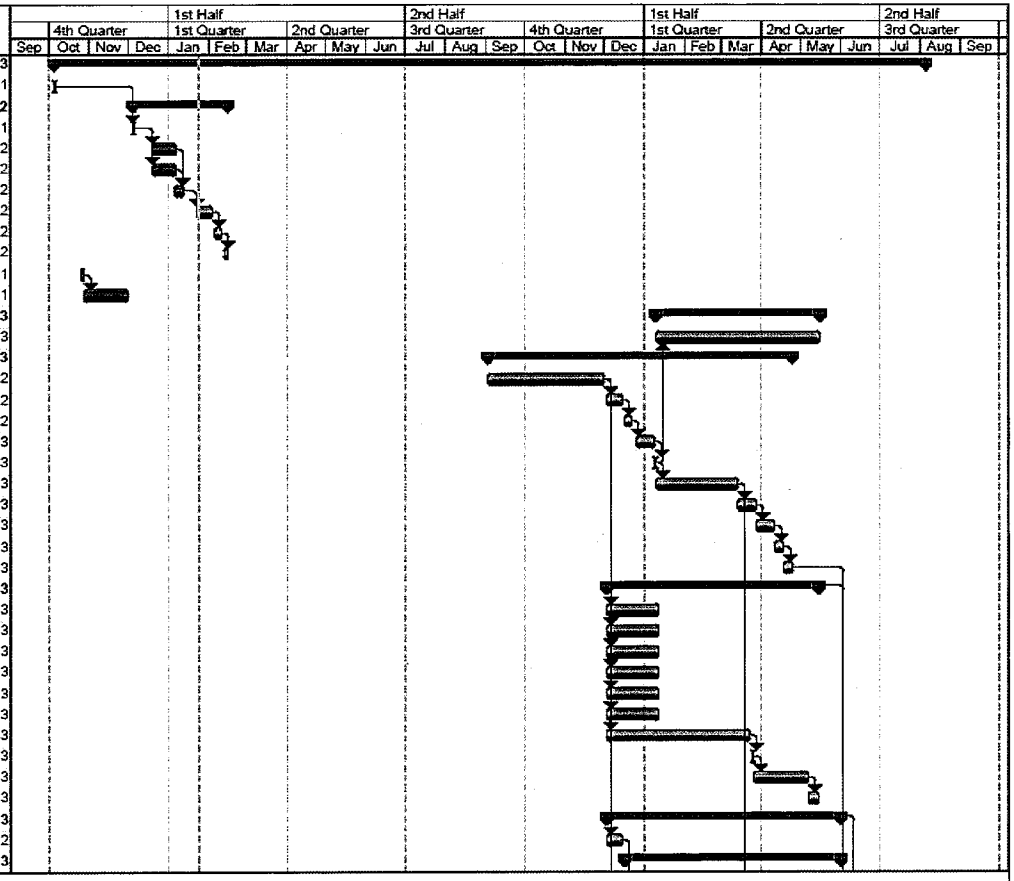
Communication will be by phone, email, and in person meetings as needed over the course of the work period.

7. COMMUNICATION PLAN.

The preparation of an internal and external communication strategy will include defining issues, identifying key stakeholders and constituents, identifying roles and responsibilities, developing key messages, developing public involvement plan, assisting with appropriate government-to-government coordination, and regular evaluations and updates of the plan.

Tenakee Springs Dock Design Schedule

ID	Task Name	Duration	Start	Finish
1	**TKS001 Tenakee Springs Ferry Dock Desigr**	**479 days**	**Wed 10/5/11**	**Mon 8/5/13**
2	Kickoff Meeting	1 day	Wed 10/5/11	Wed 10/5/11
3	**Develop PMP**	**53 days**	**Mon 12/5/11**	**Wed 2/15/12**
4	Draft PMP	1 day	Mon 12/5/11	Mon 12/5/11
5	Develop Schedule	14 days	Tue 12/20/11	Fri 1/6/12
6	Develop Budget	14 days	Tue 12/20/11	Fri 1/6/12
7	PDT Review PMP	5 days	Fri 1/6/12	Fri 1/13/12
8	Customer Review of PMP	10 days	Mon 1/23/12	Fri 2/3/12
9	Finalize PMP	5 days	Mon 2/6/12	Fri 2/10/12
10	Approved PMP	3 days	Mon 2/13/12	Wed 2/15/12
11	Site Visit	2 days	Wed 10/26/11	Thu 10/27/11
12	Trip Report	24 days	Fri 10/28/11	Wed 11/30/11
13	**Public Involvement**	**90 days**	**Thu 1/10/13**	**Wed 5/15/13**
14	Community Resolutions	90 days	Thu 1/10/13	Wed 5/15/13
15	**Engineering and Design**	**168 days**	**Mon 9/3/12**	**Wed 4/24/13**
16	Site Development	65 days	Mon 9/3/12	Fri 11/30/12
17	Draft Design for PDT Review	10 days	Mon 12/3/12	Fri 12/14/12
18	Incorporate Comments	5 days	Mon 12/17/12	Fri 12/21/12
19	Section Chief Review	10 days	Wed 12/26/12	Tue 1/8/13
20	Meeting with Customer on Design	1 day	Wed 1/9/13	Wed 1/9/13
21	Final Design	45 days	Thu 1/10/13	Wed 3/13/13
22	Review (ITR)	10 days	Thu 3/14/13	Wed 3/27/13
23	Section Chiefs Review	10 days	Thu 3/28/13	Wed 4/10/13
24	Incorporate Comments	5 days	Thu 4/11/13	Wed 4/17/13
25	Backcheck	5 days	Thu 4/18/13	Wed 4/24/13
26	**Environmental (EA)**	**117 days**	**Mon 12/3/12**	**Tue 5/14/13**
27	SHPO	30 days	Mon 12/3/12	Fri 1/11/13
28	F&W Coordination	30 days	Mon 12/3/12	Fri 1/11/13
29	Section 404(b)(1) Analysis	30 days	Mon 12/3/12	Fri 1/11/13
30	Record of Decision	30 days	Mon 12/3/12	Fri 1/11/13
31	Section 103 Evaluation	30 days	Mon 12/3/12	Fri 1/11/13
32	Statement of Findings	30 days	Mon 12/3/12	Fri 1/11/13
33	Draft Final	80 days	Mon 12/3/12	Fri 3/22/13
34	Pre-NEPA Meeting with Customer	1 day	Mon 3/25/13	Mon 3/25/13
35	Public Review	30 days	Tue 3/26/13	Mon 5/6/13
36	Sign FONSI	6 days	Tue 5/7/13	Tue 5/14/13
37	**Real Estate**	**130 days**	**Mon 12/3/12**	**Fri 5/31/13**
38	Ownership Identification	10 days	Mon 12/3/12	Fri 12/14/12
39	**Obtain Permits for Construction?**	**120 days**	**Mon 12/17/12**	**Fri 5/31/13**



Project: TKS001 Tenakee Springs Scl
Date: Tue 1/24/12

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

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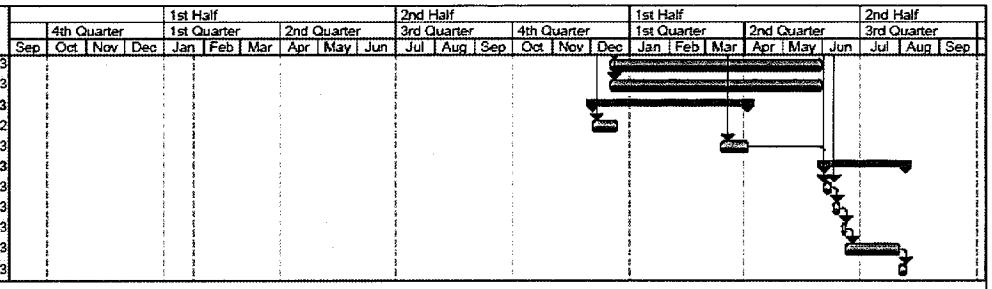
ID	Task Name	Duration	Start	Finish
40	From City	120 days	Mon 12/17/12	Fri 5/31/13
41	Tidelands - City	120 days	Mon 12/17/12	Fri 5/31/13
42	**Cost Estimate**	**88 days**	**Mon 12/3/12**	**Wed 4/3/13**
43	50% CWE	15 days	Mon 12/3/12	Fri 12/21/12
44	95% CWE	15 days	Thu 3/14/13	Wed 4/3/13
45	**Project Complete**	**46 days**	**Mon 6/3/13**	**Mon 8/5/13**
46	Publication/Reproduction	5 days	Mon 6/3/13	Fri 6/7/13
47	Copies to Customer and Community	5 days	Mon 6/10/13	Fri 6/14/13
48	Physical Closeout	3 days	Mon 6/17/13	Wed 6/19/13
49	Transfer of Remaining Funds	30 days	Thu 6/20/13	Wed 7/31/13
50	Fiscal Closeout	3 days	Thu 8/1/13	Mon 8/5/13



Project: TKS001 Tenakee Springs Sch
Date: Tue 1/24/12

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

Peterson, Melanie A POA

From: Tessa DeLong [tdelong@denali.gov]
Sent: Thursday, February 02, 2012 5:59 PM
To: Peterson, Melanie A POA
Cc: Adison Wetzel; Mike CTR McKinnon; Peterson, Melanie A POA
Subject: Re: Tenakee Springs PMP for Review (UNCLASSIFIED)

Melanie,

This looks great!

Thanks!

TD

Sent from Tessa's iPhone

On Feb 2, 2012, at 6:56 PM, "Peterson, Melanie A POA" <Melanie.A.Peterson@usace.army.mil> wrote:

> Classification: UNCLASSIFIED
> Caveats: NONE
>
> Tessa
>
> Please find attached the drafted Project Management Plan with budget and
> schedule for your review and approval.
>
> Thank you.
>
> Melanie Peterson
> Project Manager
> Alaska District
> U.S. Army Corps of Engineers
> Work: (907) 753-5694
> Fax: (907) 753-2829
>
>
>
> Classification: UNCLASSIFIED
> Caveats: NONE
>
>
> <TKS001 Tenakee Springs PMP 0.12.doc>