



July 13<sup>th</sup>, 2022

Brad Ryan  
Municipality of Skagway Manager  
PO Box 415  
Skagway, AK 99840

**Re: Skagway Ore Dock Development Project – Marine Service Platform 60% Design  
KPFF Scope and Fee Proposal  
Project No. 10092100135**

Brad,

We have prepared this scope of work based on conversations with you and your team regarding the advancement of design for the Marine Service Platform for the Ore Peninsula Redevelopment project based on conversations with you and your team during the week of July 4, 2022.

### **General Project Understanding**

The marine service platform is a wharf used to support the export of mineral concentrates from Yukon mines to replace the existing ore loader that is demolished as part of the current Ore Peninsula Redevelopment project. The proposed service platform consists of a 60 ft x 220 ft wharf accessed by a 40 ft trestle from the uplands constructed around two currently proposed dolphins. This wharf and trestle would support reach stack container handler (i.e., Kalmar DRG450) or a mobile harbor crane (i.e., Liebherr LMH-280) and HL-93 design vehicles as defined by the *Project Memo – Skagway Ore Terminal Redevelopment* prepared by Ausenco Engineering Canada Inc. dated 2022-04-06.

KPFF has assembled a team of subconsultants to aid in design including:

1. Respec – Electrical Engineering

### **KPFF Scope of Proposed Services**

KPFF proposes to provide the following services as part of this scope and fee proposal:

#### **Task 1: Project Management and Design Coordination**

KPFF will provide general project administration, invoicing and coordination with subconsultants and MOS staff.

- Monthly invoices will be provided for this work with a summary of work completed and project status.
- Coordination with subconsultants includes weekly design meetings and periodic coordination with the upland designer.
- This task also includes regular bi-weekly meetings with MOS to discuss questions and make collaborative decisions on the direction of the project.

### **Task 3: Marine Service Platform 60% Design**

KPFF will advance the design for the marine service platform (MSP) to 60% Design. Items to be incorporated to the MSP are containment of run off, fire and water utilities, stormwater management, and providing power for capstans and lighting.

Task 3 Deliverables include:

1. 60% Design Drawings
2. 60% Rough Order of Magnitude Estimate

### ***Schedule***

Following notice to proceed (NTP), expected in July, KPFF expects proceed with the following schedule:

Task 3 – MSP 60% design will be completed in December 2022 with Task 5 – 60% Design deliverables as defined by KPFF Scope and Fee Amendment 02 dated March 25, 2022.

### ***Scope Assumptions***

The work of this project will require that the following be provided by the MOS

1. Historical drawings and surveys will be provided
2. The MOS and Yukon government will provide reviews of each design submittal within 2 weeks of submission

### ***Scope Exclusions***

The following items are not included as part of this scope, however KPFF is ready to provide these as additional services if required:

1. Design of structures or other mechanical components not explicitly defined
2. Geotechnical explorations
3. Permit Fees
4. Construction Management
5. Construction Support Services

### ***Scope Fees***

The total estimated not-to-exceed maximum fee, including reimbursable expenses, for the services described in this letter is **\$149,000**. Fees will be billed on an hourly basis using the hourly rates presented on the attached fee schedule. Reimbursable expenses will be billed at cost with no markup and no additional markup will be applied to subconsultants reimbursable expenses. All work will be performed in accordance with the attached Terms and Conditions.

We appreciate this opportunity to work with the Municipality of Skagway. We are available to discuss this proposal at your convenience. Please contact me at (206) 382-0600 should you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ed DeBroeck', with a long horizontal line extending to the right.

Ed DeBroeck, PE (WA & CA), DBIA  
Associate  
CC: Bob Riley, PE, Principal

### **Attachments**

1. Detailed Fee Schedule

# Ore Peninsula Redevelopment Project – Marine Service Platform 60% Design



Scope Fee Estimate  
2022-07-13

#	2022 Hourly Rate	KPFF								Subconsultants				Total	
		Principal	Project Manager	Senior Technical Specialist	Senior Engineer	Prof. Engineer	Design Engineer	Project Coordinator	Senior Cad Tech	CAD	Anchor QEA		Hart Crowser		Other Sub Consultant
											Environmental Permitting	Dredge Sampling & Permitting	Geotechnical Services		Electrical, Naval Architect, Survey, Hazardous Materials, Dive, Controls
	\$ 250	\$ 205	\$ 230	\$ 205	\$ 180	\$ 160	\$ 129	\$ 140	\$ 124						
	<b>Task 1: Project Management &amp; Design Coordination</b>		16		24	24	32	16			\$ -	\$ -	\$ -	\$ -	\$ 19,704
	Overall Project Management, Invoicing and coordination				24			16							
	Coordination with upland designer (RESPEC)		16			24	32								
	<b>Task 3: Marine Service Platform 60% Design</b>	6			56	200	396	8	56	\$ -	\$ -	\$ -	\$ 7,000	\$ 127,404	
3.01	<b>Marine Service Platform 60% Design</b>														
	Structural Analysis and Design	2			20	64	140								
	Utilities, Grading, and Stormwater Design				10	120	140								
	Drawings						60		40						
	QA/QC	4			10		40								
3.02	<b>Electrical Design</b>												\$ 7,000		
	Upland Coordination					16	8		8						
	Electrical drawings coordination				8		8	8	8						
	QA/QC				8										

**Assumptions and Notes:**

1. Rates for 2022 displayed, rates will be adjusted each calendar year.
2. Reimbursable expenses will be billed at cost with no markup.
3. This scope does not include design services beyond 60% Design but will be scoped following the current defined design phase.
4. This scope does not include construction support services at this time but will be scoped at the completion of design.
5. This scope estimate does not include construction management services.

Subconsultant Summary	Fee	Expenses	Total
Respec - Electrical Engineering	\$ 7,000	\$ -	\$ 7,000
<b>Subtotal</b>	<b>\$ 7,000</b>	<b>\$ -</b>	<b>\$ 7,000</b>
<b>Subconsultant Markup 8%</b>	<b>\$ 560</b>	<b>\$ -</b>	<b>\$ 560</b>
<b>Total Subconsultants (Fee, Expenses &amp; Markup)</b>	<b>\$</b>	<b>\$</b>	<b>7,560</b>

<b>Subtotal</b>	<b>\$ 148,000</b>
KPFF Expenses: Travel, Etc.	\$ -
Subconsultant Expenses: Travel, Etc.	\$ -
Subconsultant Markup	\$ 560
<b>Design Total</b>	<b>\$ 149,000</b>

Fee Summary	
Task 1: Project Management & Design Coordination	\$ 19,704
Task 3: Marine Service Platform 60% Design	\$ 127,404