



STATEMENT OF WORK

1 TITLE

Turning Dolphin Removal Bella Coola Small Craft Harbour, Bella Coola, BC

2 SITE LOCATION

Bella Coola Small Craft Harbour (the Site) is located at 100 Mackenzie Hwy 20, Bella Coola, BC V0T 1C0. Refer to site map drawing for the location of the SCH turning dolphin.

3 DEFINITIONS

.1 Throughout contract documents, the words “Contracting Authority”, “Project Authority/Owner”, “Harbour Authority”, “Engineer” and “Contractor” shall be defined as follows:

.1 Contracting Authority

Materiel and Procurement Services - Department of Fisheries and Oceans
301 Bishop Drive, Fredericton, NB E3C 2M6

.2 Owner and Project Authority

Small Craft Harbours (SCH) - Department of Fisheries and Oceans,
200-401 Burrard Street, Vancouver BC V6C 3S4

.3 Harbour Authority

Bella Coola Harbour Authority
100 Mackenzie Hwy 20, Bella Coola, BC V0T 1C0

.4 BC Ferries

BC Ferries (BCF) has a lease agreement with the Harbour Authority to operate within Bella Coola Small Craft Harbour. BC Ferries uses the SCH turning dolphin to moor their vessels.

.5 Engineer

The Engineer could be an employee, a consultant or a consultant’s representative of the Owner.

.6 Contractor

The party accepted by the Contracting Authority with whom a formal contract is entered to complete the work of the project.

4 BACKGROUND

SCH owns a deteriorated ferry turning dolphin that is used by BC Ferries and the structure is at the end of its service life. This contract will be to remove and dispose the turning dolphin. BC Ferries are currently fabricating a new floating turning dolphin which they plan to install starting September 2022. Refer to site photos and additional details located in **Appendix B - Reference Documents**.

5 NATURE OF WORK

In general, work consists of removing and disposing a deteriorated ferry turning dolphin. The existing turning dolphin is supported by approximately 51 steel piles, has a steel framed timber fender wall and a concrete topped platform. Any piles that are unable to be fully extracted from the subsurface shall be cut at the mudline. Float reconstruction may be required as per optional item 7.4. Refer to drawings for more details.



6 GENERAL

- .1 The contractor shall mobilize the site no later than **September 20th, 2022**.
- .2 All work, including cleanup and demobilization, shall be completed by **October 23rd, 2022**.
- .3 **Bids must be accompanied with a proposed Construction Work Plan**. The Construction Work Plan shall include as a minimum:
 - Proposed work schedule in Gantt chart format.
 - Construction methodology including how the contractor will disassemble the turning dolphin, remove from site and dispose.
 - Describe any impacts to SCH and BCF operations and how they will be minimized.
 - Description of construction methods to minimize environmental risks.
- .4 The awarded Contractor shall be the Prime Contractor for the work. The crew shall include a supervisor/foreman for the coordination and safety of the crew. The crew shall be professional, self-sufficient and capable of completing work described herein.
- .5 The Contractor is expected to work around tides, understand tide cycles and how long they last and supply accurate hourly tidal elevation data while working.
- .6 Both SCH and BCF facilities shall remain in operation during construction. Work shall be planned and optimized to minimize impacts to SCH and BCF operations. The BCF berth must be clear and available for ferry operations during BCF's published scheduled sailing times. A tentative schedule is provided in **Appendix B – Reference Documents**.
- .7 Co-operation with the Harbour Authority:
 - .1 The Contractor shall give the Harbour Authority **minimum 4 weeks notice** prior to mobilization.
 - .2 The Contractor shall give the Harbour Authority **minimum 48 hours notice** for work that requires vessels to be moved.
 - .3 The Contractor shall give the Harbour Authority **minimum 24 hours notice** for work that may interrupt harbour operations including access to the floats.
- .8 The Contractor must provide a WCB Clearance Letter in 'Good Standing' prior to award.
- .9 The Contractor must have a minimum of five million (\$5,000,000.00) dollars General Liability Insurance and provide proof of insurance prior to award.
- .10 The site will be accessible to bidders to visit on their own schedule. No visit will be organized by the Owner.

7 DESCRIPTION OF ITEMS

The following is a description of each item referenced to the **Schedule of Quantities and Prices**.

Mandatory Items:



- .1 Mobilization and Demobilization – The lump sum cost for mobilization and demobilization includes but is not limited to the following:
 - .1 Move all equipment, materials and crew on and off Bella Coola Small Craft Harbour.
 - .2 This item includes all crew costs, overhead costs, material handling and shipping and daily site cleanup not included in other items.
- .2 Remove and Dispose the Turning Dolphin – The lump sum cost to remove and dispose the Turning Dolphin includes all equipment, labour and materials to complete the following:
 - .1 Remove and dispose the entire Turning Dolphin structure with exception to BCF Dolphin “DV2” and two Stiff Arms (refer to 7.2.4 and 7.3) as shown on the drawings
 - .2 The Contractor shall comply with the Construction Environmental Management Plan (CEMP), located in **Appendix A**. Accordingly, the Contractor shall provide a qualified professional environmental monitor on site throughout the entire demolition. All reporting completed by the environmental monitor will include copies to the Owner.
 - .3 All piles shall be fully extracted from the ground. Where full extraction is not possible, piles may be cut at the mudline. At completion, the Contractor shall conduct a dive inspection (with recorded video) to ensure the seabed of the construction area is clear of any demolition debris and protruding stub piles. The Contractor shall markup on a drawing the location of any piles removed.
 - .4 The BCF Dolphin “DV2” is to remain in place. Care shall be taken not to damage the Dolphin and two Stiff Arms. The contractor will be responsible for repairing any damage.

Optional Items:

These items are included in the evaluation of the bid but may or may not be executed at the discretion of the Owner.

- .3 Disconnect, Remove and Store BCF Stiff Arms – The lump sum cost to disconnect, remove and store the two BCF Stiff Arms from Dolphin “DV2” includes all equipment, labour and materials to complete the following:
 - .1 Submit to Owner the proposed methodology for disconnecting, removing and storing the two Stiff Arms from Dolphin “DV2” for SCH and BCF approval.
 - .2 Disconnect and remove the two Stiff Arms using the pre-approved methodology. Safely store the Stiff Arms for BCF salvage.
 - .3 Care shall be taken not to damage the Dolphin and Stiff Arms. The Contractor will be responsible for repairing any damage.
- .4 Derrick and Crew Day Rate – The unit cost per day for derrick and crew includes all equipment, labour and materials to complete the following:
 - .1 Provide a crane mounted barge (derrick) with tug, operational crew and construction ground crew for general float/wharf construction. Scope may include



timber pile replacements, removal of floating log bundles and float reconstruction.
The crane shall be capable of pile driving 70ft long 12" dia timber piles.

- .2 Provide a qualified professional environmental monitor on site.
- .3 The day rate shall include daily crew costs and be based on 8 working hours.
- .4 New materials (ie: timber piles) and disposal costs would be covered by the Owner.