



Pêches et Océans
Canada

Fisheries and Oceans
Canada

CONCRETE FLOAT DEMOLITION AND DISPOSAL

SCOPE OF WORK

FISHERIES AND OCEANS CANADA
SMALL CRAFT HARBOURS – PACIFIC REGION

April 2020

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Section 1	Summary of Work
Section 2	General Instructions
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Section 4	Environmental Procedures
Section 5	Structural Demolition

APPENDIX NO.	APPENDIX TITLE
A	Foreshore Inspection Report – 9047-R-01.1

END OF SECTION



Section 1 Summary of Work

1.1 Definitions

- .1 **Contractor:** The party accepted by the Owner with whom a formal contract is entered to complete the work of this project.
- .2 **Departmental Representative:** Employee(s) that represents the Owner who act as the Engineer and Technical Authority for the project.
- .3 **Owner:** Small Craft Harbours Program of the Department of Fisheries and Oceans, 200-401 Burrard Street Vancouver B.C. V6C 3S4.

1.2 Background

- .1 Small Craft Harbours (SCH) requires the demolition of old concrete float and disposal to appropriate disposal/recycling facility.
- .2 The concrete float is approximate 75ft long, 25ft wide and 46” thick filled with Styrofoam floatation.
- .3 Refer to FORESHORE Marine & Environmental Services – Concrete Float Inspection Feb21, 2020 in Appendix A for reference.

1.3 Location of the Concrete Float

- .1 The concrete float is moored at 3827 River Road West, Delta, BC (“temporary storage facility”) – marine access only - located on private lease. – Require 7 day written notice to Department Representative prior to access to the float.
 - .1 Note: Float has been moved to the above address after the Foreshore inspection was done.
- .2 Float must be towed away from the private lease before any work can be done on it.

1.4 Description of Work

- 1 Removal and Demolition of 75’x25’x4’ Concrete Float filled with Styrofoam
 - .1 This is a lump sum item for the following:
 - .1 Mobilization and Demobilization
 - .2 Towing of float away from the temporary storage facility to Contractor’s proposed demolition facility.
 - .3 Removal and disposal of surface anthropogenic debris on the float (small shed, cook tops, buckets, hoses, vent pipe, stands, ropes paint cans and cables) .



- .1 There were people living on the float – possibility of needles/sharps. Contractor must handle and dispose of sharps appropriately if encountered.
 - .4 Deconstruction of the float which includes material separation, sorting and placement in disposal bins or trucks.
 - .1 Refer to appendix A for typical float sections and physical information.
 - .2 Materials must be sorted prior to delivery to disposal or recycling facility.
 - .3 No historical drawings of the float is available.
 - .5 The Contractor must provide proof that the float is being demolished and being disposed off to appropriate disposal/recycling facilities. Example of proofs are:
 - .1 Photos of the demolition work
 - .2 Provide demolition address to Site Representative for inspection
 - .3 Weigh slip, and tipping fees from the facilities must be provided to the Owner.
 - .6 Styrofoam debris must be contained and is not allowed to escape into marine environment.
 - .7 Styrofoam must be cleaned off from the concrete at the best ability to reduce the tonnage of “dirty concrete” i.e. concrete with Styrofoam debris.
- .2 Disposal Fee
- .1 This is cost plus line item that covers the following:
 - .1 Supply of disposal bins and/or dump trucks
 - .2 Hauling of sorted materials to approved disposal/recycling facilities
 - .3 Disposal and tipping fees generated from the float demolition.
 - .2 Material shall be disposed by the Contractor in strict accordance with provincial, local, and municipal regulations and Part 8 of the National Building Code and with the Canadian Construction Safety Code.
 - .3 Invoice(s) from vendors or disposal facilities must be provided to the Owner as a proof of actual cost and will be used as a measure of payment under this line item.

1.5 Submittal Required

- .1 Submittal required after award and must be approved by the Owner prior to site mobilization.
 - .1 Health and Safety and work safe plan.



- .2 General work methodology for removal and disposal of the float. Include proposed equipment used.
 - .3 Proposed demolition site.
 - .4 Proposed disposal site for each material (treated timber, reinforced concrete and Styrofoam floatation).
- .2 Proof must be provided that deconstructed materials are disposed or recycled at the approved disposal/recycling facilities for payment.

1.6 Commencement and Completion

- .1 Work must be completed by May 29th 2020. Assume award date is April 6th, 2020.

1.7 Methodology Limitations

- .1 Contractor must not crush the float in-situ (in water).
- .2 Contractor must not cut any Styrofoam floatation billet.
- .3 Contractor must not sink any portion of the float.
- .4 Contractor must not salvage and is not allowed to re-use any of the floats.
- .5 Contractor must contain Styrofoam debris and prevent it from entering any drainage system, water course or marine environment.

END OF SECTION



Section 2 General Instructions

2.1 Notification

- .1 The Contractor must give the Departmental Representative minimum 7 calendar days notice prior to mobilization and demobilization to and from “temporary storage facility”.

2.2 Health and Safety

- .1 See Section 3

2.3 Environmental Procedures

- .1 See Section 4

2.4 Regulatory Requirements

- .1 The Contractor must, at his own expense, procure all permits, certificates and licenses required of him by law for the execution of his work under this contract.
- .2 The Contractor shall comply with all Federal, Provincial or Municipal laws, ordinances or rules and regulations relating to the performance of his work and in force during the duration of this contract.
- .3 All work to be done in accordance with Work Safe BC regulations.

2.5 Execution Requirements

- .1 The Contractor's representative on site shall be completely familiar with the method of work to be employed. Such personnel shall remain on site for the duration of the work.
- .2 The site shall be left in a safe condition at the completion of each work day.
- .3 Structural Demolition – See Section 5

2.6 Construction Area

- .1 The Contractor shall confine his operations on the site to those areas actually required for the work including routes and regulations approved by the Owner for haulage of materials.

END OF SECTION



Section 3 Health and Safety Requirements

3.1 Health and Safety Responsibilities

- .1 Assume responsibility as the Prime Contractor under this Contract.
- .2 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .3 Report all safety and environmental incident to the Department Representative as soon as it happened.
- .4 Perform site specific safety hazard assessment and conduct a safety meeting to discuss about the assessed hazard with all personnel onsite prior to start of construction.

3.2 Submittals

- .1 Results of site specific safety hazard assessment.
- .2 On-site Contingency and Emergency Response Plan: address standard operating procedures to be implemented during emergency situations
- .3 Submit copies of incident and accident reports when requested.

3.3 Compliance with Regulations

- .1 It is Contractor's responsibility to ensure that all workers are qualified, competent and certified to perform the work as required by the Workers' Compensation Act or the Occupational Health and Safety Regulations.
- .2 The Contractor and the Subcontractors shall have accounts in good standing with the Workers' Compensation Board. Proof of current account status shall be provided upon request.

3.4 Site Security/Public Safety

- .1 Ensure that non-authorized persons are not allowed to circulate in designated construction or demolition areas of the work site.
- .2 Secure site at night time as deemed necessary to protect site against entry.
- .3 Capped any expose rebar or dowels.

END OF SECTION



Section 4 Environmental Procedures

4.1 Environmental Responsibilities

- .1 Take all reasonable and necessary measures in the performance of the work to avoid causing negative impacts to the environment.
- .2 Maintain key pollution control systems in working condition throughout the project and undertake all works such that there are no unauthorized discharges of liquids or solids to the marine environment, or of gas to the atmosphere.
- .3 Maintain a neat work area free of unnecessary debris, tools, equipment, or materials; dispose of sewage, refuse, and chemical wastes and remove all tools, equipment, supplies, and wastes from the site upon completion of the work.

4.2 Pollution Control

- .1 Maintain temporary erosion and pollution control features installed under this Contract.
- .2 Control emissions from equipment and plant to local authorities emission requirements.
- .3 Provide dust control during all truck transport activities.

END OF SECTION



Section 5 Structural Demolition

5.1 Submittals

- .1 Contractor must provide address to the Contractor's proposed site for demolition.
- .2 Submit photos of the concrete float being demolished to the Owner which will be used as a proof that the float was not given away, sold, or used in other ways. Photos of proof is required for full payment.

5.2 Float Removal

- .1 Float must be towed away from the private property prior to any demolition work to happen.
- .2 Contractor must provide 7 day written notification prior to removal of float at the said moorage address.
- .3 Towing the float away from the storage facility to Contractor's demolition processing facility is the sole responsibility of the Contractor.

5.3 Demolition and Processing

- .1 Prevent debris (including Styrofoam debris), dust, and any sediment laden waters from entering any drainage system, water course or marine environment.
- .2 Ensure that selective demolition work does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.
- .3 Carry out demolition in accordance with CAN/CSA S350 and other applicable safety standards.

5.4 Contractor's Proposed Demolition Site

- .1 It is the sole responsibility of the Contractor to pick a Demolition site that is safe and does not commit any unlawful trespass.

END OF SECTION

