

Annex A – Statement of Work

1.0 Title

Riverwalk Clean-up – The Forks National Historic Site of Canada (NHSC)

2.0 Background

The Forks Riverwalk located in downtown Winnipeg is prone to yearly flooding by the Red River. In a normal flood year, light deposits of silt and river debris must be washed off the pathway and hard surfaces. During heavy flood years, the accumulation of silt and river debris can reach as much as 2.5 metres in and around structures such as bench seating and retaining walls on the Riverwalk.

The Forks National Historic Site of Canada (NHSC) receives between three (3) to four (4) million visitors per year. The Riverwalk attracts a significant number of visitors each summer and the overall property associated with this National Historic Site offers Parks Canada profile and visibility. For these reasons, in addition to our visitor safety responsibilities, this urban National Historic Site (NHS) must remain well maintained.

3.0 Objective

Parks Canada Agency requires a Contractor for flood recovery of the Parks Canada section of the Riverwalk.

The Parks Canada Agency will hire a Surveyor to determine the amount of silt and gravel required to be removed and replaced. The Surveyor will work with both the Contractor and Parks with respect to the approval of any additional work required, assist in resolving disputes over gravel and silt amounts, and/ or scheduling issues.

4.0 Scope of Work

4.1 Terminology

For the purposes of this Statement of Work, the following definitions apply:

General Contractor: Contractor as referenced under this contract who will complete the washing, clean-up and new aggregate work for the Riverwalk Clean-up.

Surveyor: Contractor under a separate contract who will complete the Pre Clean-up and Post Clean-up Survey of the Riverwalk, as well as, determine the amount of silt and gravel to be removed and replaced.

4.2 Tasks and Scope of Work

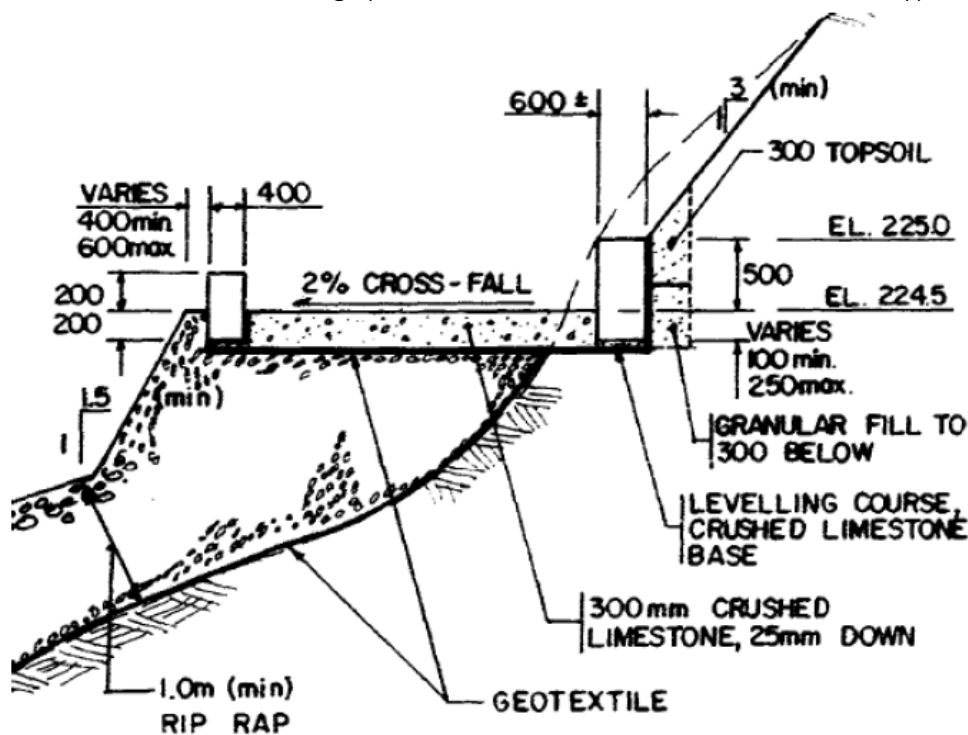
The Contractor must provide the following Services:

1. Upon Contract Award, the Contractor must contact the Project Authority to determine the work required and a work commencement date to coincide as close as possible to the conclusion of flooding
2. Notify the Project Authority no later than three (3) days prior to the commencement of work and provide the Project Authority with a schedule and work plan.

3. The work must begin and be completed within 12 days of schedule. In the event of inclement weather and/or additional flooding a meeting and agreed-upon schedule will be provided
4. After flood waters recede, clear all river deposits from the Riverwalk starting from the area east of the Historic Rail Bridge up to the area north of the Amphitheatre and access ramp. Refer to *Appendix 1 – Riverwalk – The Forks NHSC Map*. The work will involve the removal of all wet and/or dry deposits. Deposits must be removed in such a way that the aggregate on the walkway surface is not unnecessarily removed as well.

NOTE: The Amphitheatre, Vehicle Access Ramp and Wheelchair Ramp (at the South end of the work area) must be included in the area to be cleared.

5. If required by the Project Authority, the Contractor must reshape the upper banks to the bank side of limestone blocks and clear out drainage paths on the river side of the limestone. See typical section cut below.



TYPICAL SECTION (CUT)
N.T.S.

6. The washing down of limestone blocks, concrete and paving stones.
 - a. Limestone blocks that have been dislodged due to spring ice movement must be returned to their original position(s).
7. If required by the Project Authority, the Contractor must supply and apply aggregate (limestone) to the cleared site as follows:
 - a. The Contractor must replace lost limestone required to restore the aggregated walkway areas to their designated height as seen in the typical cross section above, and made up of two (2) layers as noted below. The final Grade is in reference to the river side limestone edging that has 200mm deep channels cut into limestone that permit drainage of surface water into the river. The finish grade of the

limestone is to be placed up to this level and tapered up at 2% to the backside to allow for drainage as noted in the typical cross section above. The layers of aggregate to be applied are as follows:

- i. The top 25mm (1 inch) of the limestone is to be 6mm (1/4") down material
- ii. Material below the 25mm down from final grade is to be 18mm (3/4") down material.

NOTE: The Project Authority must certify the removal of all deposits before the replacement of aggregate.

8. If required by the Project Authority, the removal of dead vegetation (grass) and the replacement of turf in accordance with the Ministry of Infrastructure and Transport Specification 550 Landscaping, see <http://www.gov.mb.ca/mit/contracts/manual.html>

4.3 Required Plans and Procedures

1. The job site will be provided to the Contractor for its use and as such will be under Provincial Health and Safety and Workers Compensation directives. The Contractor is responsible for:
 - a. The health and safety of any persons on site.
 - b. The safety of any property on site.
 - c. The protection of any persons adjacent to the site and environment to the extent that they may be affected by the conduct of work.

The Contractor must comply with and enforce compliance by employees with Contract Documents, applicable Federal, Provincial, and Local Statutes, Regulations, and Ordinances.

The Contractor must submit a Site Specific Health and Safety Plan within seven (7) days of award and prior to the commencement of the work. The Health and Safety Plan must include:

- a. Results of site specific hazard assessments.
- b. Results of safety and health risks or hazard analysis for site tasks.
- c. Safety considerations to the various tasks.

This plan must be implemented, maintained and enforced until final demobilization from the site. The Project Authority will respond in writing where deficiencies or concerns are noted and will request re-submission with corrections of deficiencies or concerns.

2. Before commencing clean-up activities or delivery of materials to or from the site, the Contractor must submit an Environmental Protection Plan for review by the Project Authority. This plan must include the following:
 - a. A Spill Control Plan: This plan includes procedures, instructions, and reports to be used in the event of an unforeseen spill of regulated substances.
 - b. A Non-Hazardous Solid Waste Disposal Plan: This plan identifies methods and locations for solid waste disposal, including clearing debris. Include the location for final disposal of the removed silt and river debris.
 - c. A Contaminant Prevention Plan: This plan identifies potentially hazardous substances to be used on the job site. It also outlines the intended actions to prevent the introduction of such materials into the air, water, or ground, and details provisions for compliance with the Federal, Provincial and Municipal laws and regulations for the storage and handling of said materials.

4.4 Constraints and Special Considerations

1. The Contractor must submit a copy of the Contractor's work site Health and Safety Inspections weekly, and any reports or directions issued by Federal, Provincial and Territorial Health and Safety Inspections.
2. Work must occur during daylight hours (5:00am – 10:00pm).
3. The Contractor must not perform work during inclement weather conditions or under adverse field conditions unless agreed to by the Project Authority.
4. The Contractor is responsible for the security of the clean-up site.
5. The Contractor must stage all equipment and materials in area(s) defined by Parks Canada. The Contractor is responsible for any fencing and/ or signage required to ensure the staging area meets current construction standards in the case where equipment and/ or material have to be kept on site overnight.
6. The Contractor must ensure no walkways and/ or roadways are blocked unless agreed upon by Parks Canada.
7. The Contractor must take care of all safety measures and place temporary warning signs at the beginning and end of the Riverwalk to warn users that trucks will be entering and leaving the Riverwalk.
8. The Contractor must ensure adequate traffic control is in place to protect the public, especially when hauling material to and from the clean-up site.
9. The Contractor must safeguard existing Parks Canada infrastructure and grounds from damage including the limestone blocks in the clean-up area.
10. The Contractor must ensure that vehicles and staff do not negatively impact the cleanliness of the remainder of the Parks Canada property.
11. The Contractor must conduct all day to day operations in such a manner as to avoid creating unpleasant appearances or any conditions that will be detrimental to or mar the surrounding area or waterway.
12. The Contractor must remove debris, waste material and packaging material from the work site daily.
13. All equipment must be in sound working order, clean, free of excessive oil or fuel leaks, and with all required safety devices fully operational. All equipment must be pressure washed before being brought to the site.
14. The Contractor will be working in close proximity to the water and must ensure adequate spill protection is at hand to deal with any hydro carbon spills. The Contractor must notify the Project Authority within 24 hours of a spill. The Contractor must be prepared to intercept, clean-up, and dispose of spills that may occur.
15. All material must be disposed of at a disposal site approved by the Project Authority.

NOTE: The Contractor must locate the disposal area and inform the Project Authority.

16. There is no storage space for material or equipment on Parks Canada's property outside of the clean-up area. Refer to the green area indicated in *Appendix 1 – Riverwalk – The Forks NHSC Map*. The Contractor is

responsible for negotiating material cross loading, worker parking, or equipment standing or parking with others.

17. The Contractor must document various dates and durations of river deposit removal operations in support of the Environmental Monitoring of these activities and the reporting requirements of the Project Authority to Federal Regulations.
18. In the event of major flooding where debris levels are so high, such that heavy machinery or construction methods (including but not limited to electrical work and heavy excavation) are required, the work will not commence and additional work required will need to proceed under a separate contract. If the clean-up has already begun, work must be stopped immediately until further instruction is given by the Project Authority.

5.0 Accessibility Requirements

The Contractor must ensure that the top layer (25mm/ 1”) of the limestone pathway is made of 6mm/ ¼” down material. This is required to ensure that the pathway is accessible to all persons who wish to use it, including, but not limited to, cyclists, those who utilize wheelchairs and those who utilize walkers.

6.0 Meetings

1. Upon Contract Award, the Contractor must contact the Project Authority within two (2) business days to discuss the work required and clarify client expectations and needs.
2. The Contractor must meet with the Project Authority on an “as and when required” basis as determined by the Contractor or Project Authority or their designate. Arrangements for these “as and when required” meetings will be made via email or telephone conversation between the Contractor and Project Authority or their designate.
3. The Contractor must record the meeting minutes, noting significant proceedings, decisions, and actions by parties. The Contractor will provide these minutes to the Project Authority electronically within three (3) days after the meeting.

7.0 Government Furnished Support/ Equipment/ Information

The following will be provided to the Contractor by Parks Canada:

1. The As-Built Drawings of the Forks Walkway (1987) will be supplied at the Mandatory Site Visit for this requirement.
2. A before and after Site Survey to quantify the amount of material removed as a result of flooding event(s).
3. Access to the irrigation system, including hoses to support the washing down of hard surfaces.

NOTE: the hoses will only cover the Northern Sections of the clean-up area.

Solicitation No. - N° de l'invitation :
5P420-19-0472/A

Amd. No. - N° de la modif. :
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Contracting Authority - Autorité contractante :
Andrea McGraw-Alcock

Client Ref. No. - N° de réf. du client :
PW-20-00910805

Title – Titre :
Riverwalk Clean-up – The Forks National Historic Site

8.0 Acceptance Criteria

The work will be monitored on a regular basis to ensure adherence to the work plan, as well as, to approve any modifications that maybe required. Acceptance will be determined following examination, satisfactory completion and acceptance of the final report by the Project Authority.

Appendix 1: Riverwalk – The Forks National Historic Site of Canada (NHSC) Map

