

Part 1 General

1.1 LOCATION OF WORK

- .1 The work covered by this contract include the partial demolition of sheet-pile walls, the demolition of the wooden dock of the river Cap-Des-Rosiers, the consolidation of the rock pile walls partially demolished consolidation by riprap jetties, construction of rock riprap by the location of the river dock Cap-Des-Rosiers, decontamination of soil from a categorized AB and protection work of bridge abutments Whalen sector delivery in state of the steel structure supporting the deck, as shown on Plan RM13008C. Work will be performed in the harbour of Cap-Des-Rosiers.

1.2 REQUIREMENTS C.S.S.T.

- .1 The Contractor shall submit the documentary evidence itself and its subcontractors have complied with the requirements of the Commission on Health and Safety of the Quebec Labour.
- .2 Under the provisions of the Act respecting occupational health and safety in the province of Québec (RSQ, chapter S-2.1) and only for the purposes of the said Act, it is up to the Contractor to take the one hand from the beginning of work, the role and duties of prime contractor as stated in the said Act, in addition to its obligations as a result of an employer assigned to it under that Act status and, secondly, its obligations with regard to health and safety.

1.3 BEGINNING AND COMPLETION OF WORK

- .1 The repairs will take place in two phases and mainly include, but are not limited to:
 - .1 Phase 2 starting in May 2014 and ending June 30, 2014:
 - .1 All painting and replacing bolts on the structure of the bridge Whalen.
 - .2 Laying topsoil, hydro seeding and final cleaning of the site.
 - .2 Phase 1 beginning after September 3, 2013 and ending March 31st, 2014:
 1. All work other than that indicated in phase 2

1.4 DESCRIPTION OF EXISTING STRUCTURES

- .1 The inner harbor is mainly composed of a dock piling. The latter, built in 1948, consists of two parallel sheet pile walls and a pad made of beams and slabs of reinforced concrete, a set of ledgers and steel rods.
- .2 The South Jetty is composed of a dock Berlin Wall. The latter, built in 1979 is composed of two parallel walls Berlin comprising a set of steel piles and concrete wall, a system of steel beams and reinforced concrete slabs and a set of ledgers and of steel rods.
- .3 The North Pier is composed of a dock Berlin wall and a sheet pile wall. The pier, built in 1979, is composed of a set of steel beams and concrete slabs and a set of ledgers and steel rods.
- .4 River dock Cap-des-Rosiers, built above the bridge of the Cap-des-Rosiers river. The untreated wood structure was built in the 1960s.

- .5 The bridge Whalen was built in 1985. The concrete abutments of the original construction in 1942 have remained in place. They represent the retaining anchors beneath the bridge deck

1.5 DESCRIPTION OF WORK

Redevelopment of the harbour

- .1 Perform the partial demolition of sheet-pile walls, as indicated in the plan. This includes the partial demolition of sheet-pile walls, demolition of concrete beams and slabs of concrete as well as the provision of off-site excavation and demolition materials. Also, part of backfill type stone-run will be integrated into the work as shown on the plan.
- .2 Perform a consolidation of the sheet-pile walls using different sizes of stones, as indicated in the plan.
- .3 Perform consolidation of the embankment between the North Pier and bridge, using different sizes of stones and panels articulated concrete blocks, as shown on Plan RM13008C.
- .4 Perform consolidation of the rock outside Berlin Wall of South pier. The latter will be done by the excavation of existing equipment and installation of stones of different sizes, as indicated in the plan.
- .5 Perform consolidation of wall rock pile the North Pier. This consolidation will be carried out with stones of different sizes, as indicated in the plan.
- .6 Perform the complete demolition of the wharf Whalen upstream of Bridge Cap-des-Rosiers River. Perform off-site disposal of excavated materials and scrap materials related to the demolition of the wharf.
- .7 Perform construction by rock riprap at the location where the platform of the Cap-des-Rosiers River was demolished. This ballast will be built with stones of different sizes and panels articulated concrete blocks, as shown in the plan.
- .8 Perform the dismantling of part of the existing fence and make the relocation of a portion thereof where indicated.
- .9 Effect removal of the illumination system and concrete base within the limits of the work.
- .10 Perform the construction of a concrete wall in the area of the filling, as shown on plan.
- .11 Perform the construction of a wooden wheel guard attached to the existing piles and the concrete wall to be built.
- .12 Perform excavation of contaminated materials and dispose off-site, as indicated in the plan near the base of concrete of old oil tank. These contaminated materials are characterized AB.
- .13 No traffic will be allowed on the piers and the north and south throughout the construction period.

- .14 To put in place the topsoil and hydroseeding the locations shown on the plan. Monitoring and maintenance after hydroseeding to ensure the growth of vegetation.
- .15 Remove and replace concrete slabs required for the installation of riprap, at the junction of the North and South piers.
- .16 Provide and implement an extension of the storm sewer as indicated in the plan.
- .17 Work on the bridge of Whalen sector. These works are represented on pages 8 to 16 of the Plan:
 - .1 Repair: Repair bases of old concrete abutments by installing a suitable form.
 - .2 The establishment of a protective coating (ballast) with geotextile membrane upstream of the bridge near the abutment #2.
 - .3 The removal and replacement mattresses articulated concrete block after repair of the seat.
 - .4 The establishment of a ballast with geotextile membrane downstream of the bridge on both sides as indicated on plan.
 - .5 Demolition of existing stone wall cemented located near the upstream side of the abutment 1 and the construction of a new wall type wall weight sandbag cement.
 - .6 Replacement bolts and nuts bracing support beams devices.
 - .7 Applying a protective paint the same color as the existing areas affected by rust beams and bracing.
 - .8 Application of protective paint the same color as the existing anchor bolts installed in the pile heads and devices supporting beams.

1.6 PROJECT PHASES

- .1 Maintain access for the fire-fighting role against the fire and also provide the means to fight against the fire.

1.7 USE OF PREMISES BY CONTRACTOR

- .1 The site can be used without restriction from September 3rd, 2013 until substantial completion.
- .2 The use of the premises is restricted to necessary areas to perform the work and storage in order to enable:
 - .1 occupation by the Departmental Representative.
- .3 Coordinate the use of the premises as directed by the Departmental Representative.
- .4 Find, outside Forillon Park, any additional work or storage areas that may be required and assume any related costs.
- .5 Repair or replace as directed by the Departmental Representative, for connection to the existing structure or adjacent work, or to harmonize with them, parts of the existing structure that has been modified during construction.

- .6 Once the work is completed, the existing structure must be in equal or superior to the state it had before the work of this project.

1.8 OCCUPANCY OF PREMISES BY THE DEPARTMENT REPRESENTATIVE

- .1 Work with Departmental Representative to the scheduling of work in order to reduce conflict and to facilitate the use of the premises by the latter.

1.9 MATERIALS PROVIDED BY THE DEPARTMENT REPRESENTATIVE

- .1 Panels articulated concrete blocks :
 - .1 40 panel blocks of concrete Armaflex provided by the Departmental Representative. These panels, already in the harbour of Cap-des-Rosiers will be used for slop stabilization, as indicated in the plan.
 - .2 The handling panels articulated concrete blocks is provided by the Departmental Representative and is already present in the harbour at Cap-des-Rosiers. This device should be used for handling concrete panels. At the end of the work, the handling device shall remain the property of the Departmental Representative and must be stored at the work site at the place determined by the Departmental Representative.
- .2 Different sizes of stones:
 - .1 Stone located at the sandpit of Allen Dumaresq: this pit, located on lot #3 145 461 cadastre of Quebec in the riding of Gaspé is the property of Allen Dumaresq.
 - a) Stone 8 to 12 m.t. : 4609 m.t.
 - b) Stone 100 to 300 kg : 2687 m.t.
 - .2 Stone near the harbour at Cap-des-Rosiers: the location of the various categories available near the harbour stones are identified in the plan.
 - a) Stone 8 to 12 m.t. : 3541 m.t.
 - b) Stone 1 to 3 m.t. : 3300 m.t.
 - c) Stone 1 to 1.5 m.t. : 5018 m.t.
 - d) Stone 300 to 450 mm : 3420 m.t.
 - e) Stone 100 to 300 kg : 3322 m.t.
 - f) Stone mine : 500 m.t.
 - .3 The amount of stones to carry out the work according to the dimensions shown on the plan are:
 - a) Stone 8 to 12 m.t. : 8139 m.t.
 - b) Stone 1 to 3 m.t. : 5000 m.t.
 - c) Stone 1 to 1.5 m.t. : 3600 m.t.
 - d) Stone 300 to 450 mm : 350 m.t.
 - e) Stone 100 to 300 kg : 3322 m.t.
 - f) Stone mine : 4300 m.t.

1.10 CHANGES, ADDITIONS, OR REPAIRS TO EXISTING BUILDING

- .1 Execute work without disrupting as possible the normal use of the premises. Make the necessary arrangements with the Departmental Representative to facilitate works.

1.11 EXISTING UTILITIES SERVICES

- .1 Before interrupting utility services, inform the Departmental Representative and the utility companies involved, and obtain the necessary permits.
- .2 Provide alternative routes for the movement of people and vehicles.
- .3 Before starting work, define the extent and location of utility lines that are in the work area and notify the Departmental Representative.
- .4 Submit the approval of Departmental Representative a schedule for stopping or closing facilities or active works, including the interruption of communications services or the power supply. Comply with the timetable approved and informing affected by these drawbacks parties.
- .5 Install gateway site for crossing trenches to maintain pedestrian traffic.
- .6 When pipes are not listed utilities are discovered, immediately notify the Departmental Representative and write them down.
- .7 Record the location of utility lines which are maintained, displaced or abandoned

1.12 REQUIRED DOCUMENTS

- .1 Keep a copy of the following documents for each site:
 - .1 Contract drawings
 - .2 Work
 - .3 Addenda
 - .4 Shop drawings reviewed
 - .5 List of workshop drawings unreviewed
 - .6 Change orders
 - .7 Other changes to the contract
 - .8 Reports of tests on site
 - .9 Copy of approved implementation schedule
 - .10 Plan health and safety and other documents relating to security
 - .11 Other documents indicated.

1.13 REFERENCES

- .1 Benchmark (BM) to be used for construction purposes is shown on the plan.
- .2 All elevations shown on the plan are referred to chart datum.
- .3 The tidal range is usually 2.20 meters, yet it advises contractors to consult tide tables published by the Departmental of Fisheries and Oceans Canada to ensure the effect of tides on the proposed work.
- .4 Vertical reference result of a calculation of approximate coordinates of the datum by applying a correction of 0.993 meter geodetic network (S.CO.PQ.) from the geodetic point 99KO180. This correction provides the tidal elevation in relation to the data shown in terms RM13008C.

1.14 OBTAIN MATERIALS

- .1 The Contractor shall provide, in this submission, purchasing, production, transportation of all materials to complete the work required for plans and specifications with the exception of those listed in section 1.9.1 and 1.9.2.

1.15 MATERIALS PROVIDED TO DEPARTMENT REPRESENTATIVE

- .1 Chain fences removed, including horizontal pipes and corrugated PVC pipe at the top of the fence located in the southwest of the basin. These materials must be delivered to the Operational Centre Parks Canada Agency, located at 1501 Boulevard Forillon.
- .2 Materials excavated soil along the north and south piers at the site consolidations rockfill remain the property of the Departmental Representative. The materials will be transported along the coastal road near the Carrick Memorial and highway 132.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

- .1 Not used.

END OF SECTION