

Fortress of Louisbourg National Historic Site Road Repair

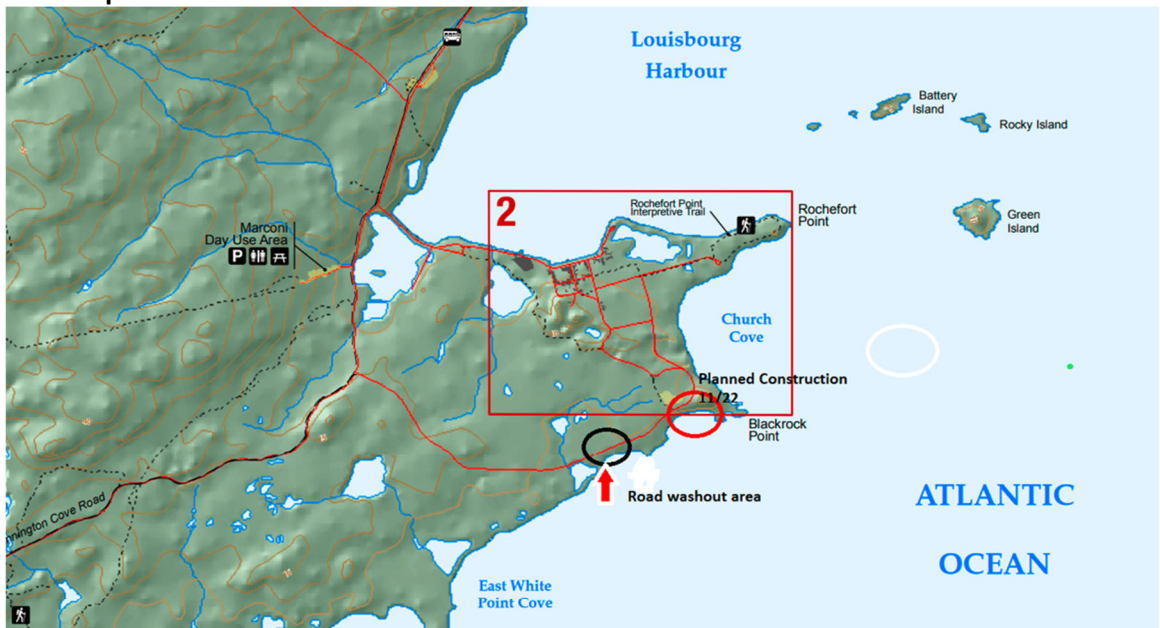
Scope of Work:

Supply & installation of gravels, asphalt, and required machinery & labour

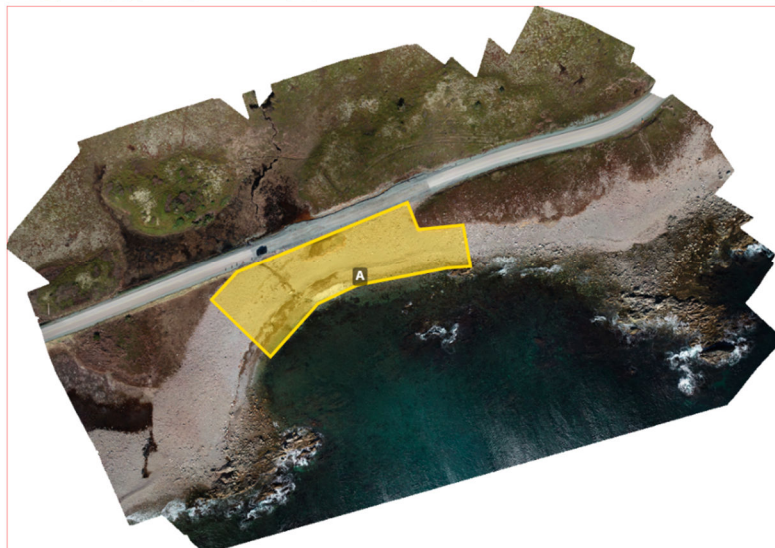
1. DESCRIPTION:

.1 Parks Canada requires a General Contractor with roadway experience for the supply and installation of 6" type 1 gravel compacted, and finish graded, two lifts – 100mm total (50mm & 50mm) of C-HF asphalt to repair the 400' x 22' section of road damaged as well as a 1m gravel shoulder. The approximate square footage of asphalt required is 8,800sq.ft. in total. The installation should include key joints at either end, road crown to match existing roadway, and work should meet or exceed NS provincial specifications. The road will be open to the public and Parks staff during this time and is available for the contractor Mon- Fri. 7-5pm. Installation must be completed by June 30th, 2023.

1.2 Road repair Location:



2.





1.3 Installation Requirements:

1. Reshape existing ditch, shoulders, and fore slopes to ensure positive drainage. Match cross section through the limits of work to existing.
2. Supply, place, and compact type 1 gravels (base and shoulder), (estimated 6”).
3. Supply, place and compact two 50mm lifts of C-HF asphalt (100mm total).
4. Supply tack coat (RS-1) to all joints and between base and top lift of asphalt. Spread rate of 140ml/m²
5. Keyed joint at limits of work for asphalt tie-ins.
6. All work as per latest province of NS Highway Construction and Maintenance Standard Specification.
7. Work to be completed from June 21 to 30, 2023. Service Road is used by visitors and staff and traffic control will be required to allow minimum single lane traffic 7am – 5pm. Contractor to submit up to date WCB and NSCSA letters prior to starting work.
8. Any surplus materials are to be removed and disposed of at an approved facility outside of Parks Canada boundaries.
9. Work to be completed in accordance with Parks Canada Preapproved Routine Impact Assessment (PRIA) for Roads and Related Infrastructure.
10. Upon award, all work to be coordinated with Duggan Kennedy (902-776-0374) a minimum of 3 business days in advance of the work.

Road damage looking west on Louisbourg Access Road. 400' long, two 3.3m lanes and a gravel shoulder.



1.4 REQUIREMENTS OF CONTRACTOR:

- .1 Perform work in accordance with Provincial and local requirements provided that in any case of conflict among those requirements or with these specifications the more stringent requirements shall apply.
- .2 Compliant Material Safety Data Sheets, for any sealant, surfactant or other material or controlled product proposed for use. Include a separate attachment for each sheet indicating the specific worker protection proposed for use with the material.
- .3 Ensure road access to the Fortress site during all construction to allow for visitors, staff, and security and emergency vehicle access at all times with a minimum single traffic lane always.



HEALTH & SAFETY
GENERAL

1.1 SECTION
INCLUDES

- .1 Health and safety considerations required to ensure that Parks Canada shows due diligence towards health and safety on construction sites.

1.2 REFERENCES

- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .3 Province of Nova Scotia
 - .1 Occupational Health and Safety Act, S.N.S.

1.3 SUBMITTALS

- .1 Submit results of site-specific safety hazard assessment.
- .2 Submit copies of reports or directions issued by Federal, Provincial health and safety inspectors if applicable.
- .3 Submit copies of incident and accident reports.
- .4 Submit WHMIS MSDS - Material Safety Data Sheets
- .5 On-site Contingency and Emergency Response Plan: address standard operating procedures to be implemented during emergency situations.

1.4 SAFETY
ASSESSMENT

- .1 Perform site specific safety hazard assessment related to project prior to start of work.

1.5 MEETINGS

- .1 Schedule and administer Health and Safety meeting prior to commencement of Work.



1.6 REGULATORY REQUIREMENTS

- .1 Do work in accordance with all existing regulatory requirements in place at the site.

1.7 PROJECT/SITE CONDITIONS

- .1 Work at site will involve contact with:
 - .1 Departmental Representative.
 - .2 Guests using the road. .
 - .3 Parks Canada staff accessing the site.

1.8 GENERAL REQUIREMENTS

- .1 Develop written site-specific Health and Safety Plan based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce plan until final demobilization from site. Health and Safety Plan must address project specifications.
- .2 Department Representative may respond in writing, where deficiencies or concerns are noted and may request re-submission with correction of deficiencies or concerns.

1.9 RESPONSIBILITY

- .1 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.

1.10 COMPLIANCE REQUIREMENTS

- .1 Comply with Occupational Health and Safety Act, Occupational Safety General Regulations, N.S. Reg.
- .2 Comply with Workers compensation Act.
- .3 Comply with provincial Building Code Act.



1.11 UNFORSEEN
HAZARDS

.1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Departmental Representative verbally and in writing.

1.12 POSTING OF
DOCUMENTS

.1 Ensure applicable items, articles, notices, and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province having jurisdiction, and in consultation with Department Representative.

1.13 CORRECTION OF
NON-COMPLIANCE

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Department Representative.
- .2 Provide Department Representative with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 Department Representative may stop Work if non-compliance of health and safety regulations is not corrected.



ENVIRONMENTAL
PART 1 GENERAL:

- .1 Definitions:
 - .1 **Environmental Pollution and Damage:** presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade environment aesthetically, culturally and/or historically.
 - .2 **Environmental Protection:** prevention/control of pollution and habitat or environment disruption during construction. Control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.

1.2 POLLUTION CONTROL

- .1 Control emissions from equipment to local authorities' emission requirements.
- .2 Cover or wet down dry materials and rubbish to prevent blowing dust and debris.
- .3 All materials and debris to be removed from site and properly disposed of by contractor off of Parks Canada property.

1.3
HISTORICAL/
ARCHAEOLOGICAL
CONTROL

This construction site is in an archeologically sensitive area. No machinery, traffic, materials, or vehicles can work or park off the roadbed surface. No excavation can happen outside of the roadbed surface.

1.4 NOTIFICATION

- .1 Departmental Representative will notify Contractor in writing of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations, permits.
- .2 Contractor: after receipt of such notice, inform Departmental Representative of proposed corrective action and take such action for approval by Departmental Representative.
 - .1 Do not take action until after receipt of written approval by Departmental Representative.
- .3 Departmental Representative will issue stop order of work until satisfactory corrective action has been taken.



- .4 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

