



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Réception des soumissions - TPSGC / Bid Receiving
- PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Remplacement du système de gicleurs	
Solicitation No. - N° de l'invitation EE520-180144/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client EE520-180144	Date 2017-06-08
GETS Reference No. - N° de référence de SEAG PW-\$QCL-018-17115	
File No. - N° de dossier QCL-7-40019 (018)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-06-16	
Time Zone Fuseau horaire Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Piras, Gabriel	Buyer Id - Id de l'acheteur qcl018
Telephone No. - N° de téléphone (418) 649-2870 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Lieu historique national de la Grosse-Île / Grosse Île National Historic Site	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

AMENDEMENT 003

Title: REPLACEMENT OF THE PIPING SYSTEMS AND FIRE ALARM UPGRADE - GROSSE-ÎLE

Included in the present amendment:

1. Parks Canada statement
2. Minutes of the site visit
3. Questions and answers of the site visit
4. Modification no 1
5. Addendum no 1

PARKS CANADAL STATEMENT

See Parks Canada Cultural Resources statement attached.

MINUTES OF THE SITE VISIT

See the minutes of the June 2 2017 site visit attached.

QUESTIONS AND ANSWERS OF THE SITE VISIT

See the questions and answers asked during the June 2 2017 the site visit attached.

MODIFICATION no 1

The General Instructions R2710T (2016-04-04) are replaced by R2710T (2017-04-27).

ADDENDUM no 1

See Addendum no 1 attached.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

Parcs Canada – Unité de gestion de Québec
Gestion des ressources culturelles
Rôle lors d'interventions diverses sur des ressources culturelles

- Mandat de Parcs Canada :

« Au nom de la population canadienne, nous **protégeons** et **mettons en valeur** des exemples représentatifs du **patrimoine** naturel et **culturel** du Canada, et en favorisons chez le public la connaissance, l'appréciation et la jouissance, de manière à en **assurer l'intégrité** écologique et **commémorative** pour les générations d'aujourd'hui et de demain. »
- Le service de la gestion des ressources culturelles produit des **analyses d'impact** sur les **ressources culturelles** touchées par des interventions de restauration et de mise en valeur et propose des mesures de mitigation pour atténuer les impacts négatifs potentiels que pourrait subir la ressource.
- Les interventions de restauration ne correspondent pas à des constructions de décors théâtraux ni de maquettes à l'échelle 1:1.
- Tout en prenant en considération les **différentes contraintes** techniques, financières et autres, les travaux de conservation actuels et futurs réalisés sur une ressource culturelle **devraient tendre** vers la **restitution** de ses éléments caractéristiques datant de sa **période de construction** (matériaux, appareillage de la maçonnerie et autres éléments caractéristiques).
- L'idée maîtresse sous-tendant les travaux de réfection de ressources culturelles demeure **l'intervention minimale**, ce qui peut se traduire par l'énoncé suivant : ce qui est en bon état doit être conservé, ce qui est réparable doit être réparé et ce qui doit être remplacé doit l'être par des matériaux identiques ou, à défaut, par des matériaux similaires.
- À certains endroits, la fragilité et l'instabilité du parement des murs pourraient nous obliger à intervenir de façon plus importante. Le cas échéant, cette intervention serait néanmoins exécutée en respectant l'intégrité des matériaux, de leur technique d'assemblage et de leur emplacement.
- Documents de référence :

Normes et lignes directrices pour la conservation des lieux patrimoniaux;
Énoncé d'intégrité commémorative du lieu historique national concerné (document décrivant l'état souhaité pour la ressource culturelle concernée).

Report visit of bidders to Grosse-Ile

Grosse-Ile,

Friday, June 02, 2017, 9:00 a.m. to 1:00 p.m. 30

Replacement of sprinkler systems and upgrade the fire alarm, Grosse-Ile (QC)

Contrat no. : EE520-180144/A

Projet no. : R.066611

Introduction		
1.1	Welcome Hafida Oussedik SPAC, Project Manager Opening Meeting 9: 30 on the Web	See list of attendees
1.2	Intervention by Ms. Marie-Claude Belley Parks Canada Field Unit of Quebec. Ms. Belley described: - the role of Parks Canada; - The objectives of cultural resource management as part of project such as the replacement of sprinklers; - Minimum intervention on physical heritage buildings;	See attachment
1.4	Mr. Jean Rochette , represents the supply of SPAC, replacing Mr. Piras Mr. Rochette precise the main points concerning the submission: - Opening bid on 16 June 2017 at 2 p.m. - Time of the bid is crucial; - 3 pages critical of the bid; - Review the bid: it is possible before opening, according to the procedures set out. Importance of being clear in its applications - Ability to check with the counsellor supply at any time before the opening date.	See attachment
1.5	Presentation by Luc Bertrand , representative of the consultant Tetrattech Complete replacement of sprinkler system Major intervention in the fire alarm system Question 1: Does the heating is limited to the work area or should also maintain the building	See drawings and spécifications See answer 1

	<p>Question 2: <i>How many workers maximum can be housed at the same time?</i></p> <p><i>SPAC and Parks Canada, insist that all persons housed must have exemplary behaviour. Grosse-Ile is considered a pilgrimage site.</i></p> <p>Important note: <i>weather conditions do not always access to Grosse-Ile by air. This may have an impact on the timing of work .</i></p>	See answer 2
Visit buildings		
1.6	<p>Présentation du Bâtiment de # 29 : le bâtiment de désinfection</p> <ul style="list-style-type: none"> - Brief presentation of the history of the building as well as issues of cultural resource management by Ms. Marie-Claude Belley - Presentation of work to be done by Luc Bertrand <p>Question 3 : <i>What are the restrictions on intervention in the basement of the building # 29</i></p> <p>Question 4: <i>Does the holes which are conduits current ceiling are caulking?</i></p> <p>Question 5: <i>Is the equipment exhibition removed during construction?</i></p> <p>Important note: <i>Environmental protection is very important in lumber.</i></p>	<p>See addenda 1</p> <p>See answer 4</p> <p>See answer 5</p>
1.7	<p>Présentation du Bâtiment de # 32: Bureau-Atelier</p> <ul style="list-style-type: none"> - Brief presentation of the history of the building as well as issues of cultural resource management by Ms. Marie-Claude Belley - Presentation of work to be done by Luc Bertrand <p>Question 6: <i>Does the building will be held during the work??</i></p>	See answer 6
1.8	<p>Présentation du Bâtiment de # 19 : Hôtel 3 ième classe</p> <ul style="list-style-type: none"> - Brief presentation of the history of the building as well as issues of cultural resource management by Ms. Marie-Claude Belley - Presentation of work to be done by Luc Bertrand <p>Conditions of asbestos.</p> <p>Question: <i>Can we use the equipment of Parks Canada to conduct a few minor manipulation?</i></p> <p>Question 8 <i>How close the holes in the concrete between The Mechanical Room and the large room?</i></p>	<p>See answer 7</p> <p>Voir addenda 1</p>
1.9	Présentation du Bâtiment # 14 Hotel 1 iere classe	

	- <i>Presentation of work to be done by Luc Bertrand</i>	
1.10	Présentation du Bâtiment #48 : Chapelle catholique - <i>Presentation of work to be done by Luc Bertrand</i>	
1.11	Présentation du Bâtiment # 402 : Usine de filtration des eaux - <i>Presentation of work to be done by Luc Bertrand</i> Question 9 : <i>Monitoring system valve.</i>	<i>Voir addenda 1</i>
1.12	Présentation du Bâtiment de # 100 : le Lazaret - <i>Brief presentation of the history of the building as well as issues of cultural resource management by Ms. Marie-Claude Belley Built in 1847, the building is the most ancient.</i> - <i>Presentation of work to be done by Luc Bertrand</i> Question 10 : <i>Should we install valves bottom lines for cleaning five-year?</i> Question 11: <i>How is the longitudinal weld of the pipe?</i> Question 12: <i>What types of fittings are accepted?</i>	<i>See answer 10</i> <i>See answer 11 & Drawings & specs</i> <i>See answer 12 & Drawings & specs</i>
3. Closing of the visit		
1.13	<i>Several questions</i> Question 13: <i>Insurance issues: how the Contractor is responsible? What are the indications to the insurer?</i> Question 14: <i>Given that the painting cannot be made at all times what are the requirements?</i> Question 15: <i>The primer and the first layer must be made in plant. The second layer will be on-site.</i> Question 16 : <i>Who is responsible for snow removal during work?</i> Question 17: <i>Pipes: What kind of material is accepted?</i> Question 18 : <i>Are there any spaces considered confined spaces?</i> Question 19 : <i>What are the fire resistance to consider in buildings?</i>	<i>See answer 13</i> <i>See addenda 1</i> <i>See answer 15</i> <i>See answer 16</i> <i>See answer 17 & Drawings & specs</i> <i>See answer 18</i> <i>See answer 19</i>

	<p>Question 20: <i>What are the dates to consider for the transportation of materials?</i></p> <p>Question 21: <i>Is there a place reserved for the storage of materials?</i></p> <p>Question 22: <i>Does the work of electricity are part of the bid.</i></p>	<p>See answer 20</p> <p>See answer 21</p> <p>See answer 22</p>
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**Précisions et réponses aux questions posées lors de la visite
des soumissionnaires à Grosse-Ile**
***Information and answers to questions during the visit of bidders
to Grosse-Ile***

Vendredi 02 juin 2017, 9h00 à 13 heures 30

Friday, June 02, 2017, 9:00 a.m. to 1:00 p.m. 30

**Remplacement des systèmes de gicleurs et mise à niveau de
l'alarme-incendie, Grosse-Ile (Qc)**

***Replacement of sprinkler systems and upgrade the fire alarm,
Grosse-Ile (QC)***

Contrat no. : EE520-180144/A

Projet no. : R.066611

# de la question	Question	Réponse
1	Est-ce que le chauffage est limité à la zone de travail ou bien il faudrait aussi maintenir le bâtiment. <i>Does the heating is limited to the work area or should also maintain the building.</i>	Le chauffage doit être maintenu à une température permettant aux ouvriers de travailler dans des conditions acceptables et d'utiliser les matériaux selon les prescriptions des fabricants. <i>Heat must be maintained at a temperature allowing workers to work in acceptable conditions and using materials as manufacturers</i>
2	Combien de travailleurs maximum peuvent être hébergés en même temps? <i>How many workers maximum can be housed at the same time?</i>	Un maximum de 16 personnes pourrait être hébergé en occupation double. Un maximum de 8 personnes en occupation simple. <i>A maximum of 16 people could be housed in double occupancy.</i> <i>A maximum of 8 people in single occupancy.</i>
3	Quelles sont les restrictions relativement l'intervention dans le sous-sol du bâtiment # 29 (désinfection)? <i>What are the restrictions on intervention in the basement of the building # 29</i>	Les travaux dans le vide sanitaire doivent tenir compte des marées qui pourraient monter jusque sous la structure du bâtiment certains jours. Consulter la table des marées pour en connaître les moments.

		<i>Work in the crawl space must consider tides can climb up under the building structure some days. Consult the table of tides.</i>
4	<p>Est-ce que les ouvertures par lesquelles passent les conduits actuels au plafond du bâtiment 29 (désinfection) sont à calfeutrer ?</p> <p><i>Does the holes which are conduits current ceiling are caulking?</i></p>	<p>Ces ouvertures doivent être finies au moyen d'une plaque de finition de fini chromé si apparent et en acier noir si non apparent.</p> <p><i>These openings should be finished by means of a plaque finishing finished if apparent chrome-plated steel and black if no apparent.</i></p>
5	<p>Est-ce que le matériel d'exposition est enlevé durant les travaux.</p> <p><i>Is the equipment exhibition removed during construction?</i></p>	<p>Non le matériel et le mobilier d'exposition sont fixes. Ils doivent être protégés adéquatement durant les travaux.</p> <p>Voir devis</p> <p><i>No. Equipment and furniture exhibition are fixed. They must be adequately protected during the work.</i></p> <p><i>See specifications</i></p>
6	<p>Est-ce que le bâtiment sera occupé durant les travaux?</p> <p><i>Does the building will be held during the work?</i></p>	<p>Non.</p> <p><i>No</i></p>
7	<p>Peut-on utiliser les équipements de Parcs Canada pour effectuer quelques manipulations mineures?</p> <p><i>Can we use the equipment of Parks Canada to conduct a few minor manipulation?</i></p>	<p>L'entrepreneur chargé des travaux ne peut utiliser les équipements de Parcs Canada. Il doit être muni de tout son équipement, et doit faire preuve d'autonomie.</p> <p><i>The contractor work cannot use the equipment of Parks Canada. It shall be fitted with all its equipment, and must demonstrate autonomy.</i></p>
8	<p>Comment fermer les ouvertures dans le béton entre la salle mécanique et la grande salle?</p> <p><i>How close the holes in the concrete between The Mechanical Room and the large room?</i></p>	<p>Voir plans d'architecture</p> <p><i>See Drawings</i></p>
9	<p>Système de surveillance de la valve.</p> <p>Bâtiment 402-Usine de filtration</p> <p><i>Monitoring system valve.</i></p> <p><i>Building 402-Pump house</i></p>	<p>Voir addenda 1</p>

10	<p>Doit-on installer des valves en bout de lignes pour le nettoyage quinquennal? <i>Should we install valves bottom lines for cleaning five-year?</i></p>	<p>Pas d'installation de valves en bout de ligne pour le nettoyage quinquennal, seulement des bouchons et mamelons femelles seront fournis et installés pour cette opération. Plan Pi 1/21 note de construction 3</p> <p><i>No installation of valves ultimately for cleaning, five-year only plugs and nipples females will be provided and installed for this operation</i></p>
11	<p>Comment se fait la soudure longitudinale de la tuyauterie? <i>How is the longitudinal weld of the pipe?</i></p>	<p>La soudure longitudinale de la tuyauterie devra être en partie supérieure (dans le haut à midi). voir section 21 13 16 article 3.02.2, plan Pi-1/21 note de construction 2</p> <p><i>The longitudinal weld piping shall be at the top (high noon).</i></p>
12	<p>Quels types de raccords sont acceptés? <i>What types of fittings are accepted?</i></p>	<p>Aucun raccord fabriqué en atelier ne sera approuvé, seulement du matériel UL/FM. Devis Section 21 13 16 Article 2.01.2</p> <p><i>No fitting made in workshop will be approved only equipment UL/FM</i></p>
13	<p>Sur le plan des assurances, jusqu'à quel point l'entrepreneur est responsable? Quelles sont les indications à donner à l'assureur? <i>Insurance issues: how the Contractor is responsible? What are the indications to the insurer?</i></p>	<p>Les exigences concernant les assurances sont décrites aux Conditions supplémentaires CS03 – Conditions d'assurance ainsi qu'à la page 2 de l'Annexe A – Attestation d'assurance. Par ailleurs, la responsabilité de l'entrepreneur est limitée conformément aux Conditions supplémentaires CS02 – Limitation de la responsabilité.</p> <p><i>The insurance requirements are described in Supplementary Conditions SC03 - Insurance Terms and on page 2 of Appendix A - Certificate of Insurance. In addition, the Contractor's liability is limited in accordance with Supplementary Conditions SC02 - Limitation of Liability.</i></p>

14	<p>Étant donné que la peinture ne pourra être faite en tout temps quelles sont les exigences?</p> <p><i>Given that the painting cannot be made at all times what are the requirements?</i></p>	<p>L'apprêt et la première couche doivent être faits en usine. La deuxième couche se fera sur place.</p> <p><i>The primer and the first layer must be made in plant. The second layer will be on-site.</i></p>
15	<p>Quelle est la couleur des calfeutrages?</p> <p><i>What is the colour of caulking?</i></p>	<p>La couleur doit s'harmoniser avec la couleur des parois qu'elle traverse.</p> <p><i>The colour of the sealant must align with the walls and ceilings.</i></p>
16	<p>Qui est responsable du déneigement lors des travaux?</p> <p><i>Who is responsible for snow removal during?</i></p>	<p>L'accès au chantier est de la responsabilité de l'entrepreneur. Parcs Canada déblaie les grands axes de l'île.</p> <p><i>The site access is the responsibility of the Contractor. Parks Canada déblaie axes of the Island.</i></p>
17	<p>Conduits : Quel type de matériau est accepté?</p> <p><i>Pipes: What kind of material is accepted?</i></p>	<p>Seul le « Cut groove » cédule 40 est accepté.</p> <p><i>Only "cut groove" Schedule 40 is accepted.</i></p>
18	<p>Y a-t-il des espaces considérés comme des espaces clos?</p> <p><i>Are there any spaces considered confined spaces?</i></p>	<p>Non</p> <p><i>No</i></p>
19	<p>Quelles sont les résistances au feu à considérer dans les bâtiments?</p> <p><i>What are the fire resistance to consider in buildings?</i></p>	<p>Aucune résistance au feu dans les bâtiments 29 (Désinfection) 32 (Bureau) ou 100 (Lazaret). Pour le bâtiment 19 (l'hôtel 3^{ième} classe), une résistance au feu de 45 minutes pour les planchers, plafonds et cloisons de la salle mécanique.</p> <p><i>No fire resistance in buildings disinfection (29); Office (32) or Lazarets (100). Building 19 (hotel 3rd class), fire resistance of 45 minutes for floors, ceilings and walls of the Mechanical Room.</i></p>

20	<p>Quelles sont les dates à considérer pour le transport des matériaux?</p> <p><i>What are the dates to consider for the transportation of materials?</i></p>	<p>Du début octobre 2017 à la mi-mai 2018 selon une planification devant tenir compte des priorités d'opérations techniques et touristiques de la Grosse-Île (utilisation du quai).</p> <p><i>From early October to mid-May 2017 2018 planning according to reflect the priorities of technical and touristical operations.</i></p>
21	<p>Y a-t-il un endroit réservé pour l'entreposage des matériaux?</p> <p><i>Is there a place reserved for the storage of materials?</i></p>	<p>Oui.</p> <p>Yes</p>
22	<p>Est-ce que les travaux d'électricité font partie de la soumission.</p> <p><i>Does the work of electricity are part of the bid.</i></p>	<p>Oui l'entrepreneur devra sous-traiter les travaux assez importants en électricité.</p> <p><i>Yes the Contractor shall subcontract electricity.</i></p>

Addendum



Client : Public Works and Government Services Canada

ADDENDUM ME-01

Project title: Rehabilitation of the fire protection system at Grosse-Ile

Project Number :
PWGSC : R.066611
Tetra Tech : 14753AG

Transmitted to: Bidder

Issued by:

Julie Désilets, eng.
Fire protection mechanical

Date : June 7th, 2017

This Addendum forms an integral part of the tender documents. It takes precedence in case of dispute.

1. DEVIS

1. Section 21 05 01

1. The article 1.04.3 is modified. See reissued section attached.

2. FIRE PROTECTION

1. Plan Pi 20/21

1. This Contractor shall supply and install a valve supervision cord for valves 1, 2 and 6 (reference to Plan E 14/18). These supervision cords will be connected by the electrical contractor and supervised by the fire alarm panel of the building.

END OF ADDENDUM ME-01

1 GENERAL

1.01 RELATED REQUIREMENTS

- .1 Drawings and general provisions of the contract, including the “General Requirements” of Division 01, apply to this Section.
- .2 Parts of the fire alarm system in buildings 19 and 29, including smoke detectors, heat detectors and manual stations used to activate the pre-action fire protection system used to protect the ground floor, the level and the attic are part of the fire protection system. This work is the responsibility of the contractor for fire and / or fire protection systems (section 21 13 16 Automatic fire extinguishing system (pre-action)).

1.02 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submittals: in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product data accompanied by:
 - .1 Detailed drawings of bases, supports, and anchor bolts.
 - .2 Points of operation on performance curves.
 - .3 Manufacturer to certify current model production.
 - .4 Certification of compliance to applicable codes.
- .3 Closeout Submittals:
 - .1 Provide operation and maintenance data for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.
 - .2 Operation and maintenance manual approved by, and final copies deposited with, Departmental Representative before final inspection.
 - .3 Operation data to include:
 - .1 Description of systems and their controls.
 - .2 Operation instruction for systems and component.
 - .3 Description of actions to be taken in event of equipment failure.
 - .4 Valves schedule and flow diagram.
 - .4 Maintenance data to include:
 - .1 Servicing, maintenance, operation and trouble-shooting instructions for each item of equipment.
 - .2 Data to include schedules of tasks, frequency, tools required and task time.
 - .5 Performance data to include:
 - .1 Equipment manufacturer's performance datasheets with point of operation as left after commissioning is complete.
 - .2 Equipment performance verification test results.
 - .3 Special performance data as specified.
 - .6 Approvals:
 - .1 Submit 2 copies of draft Operation and Maintenance Manual to Departmental Representative for approval. Submission of individual data will not be accepted unless directed by Departmental Representative.
 - .2 Make changes as required and re-submit as directed by Departmental Representative.
 - .7 Additional data:
 - .1 Prepare and insert into operation and maintenance manual additional data when need for it becomes apparent during specified demonstrations and instructions.

R.066611

- .8 Site records:
 - .1 Departmental Representative will provide 1 set of reproducible mechanical drawings. Provide sets of white prints as required for each phase of work. Mark changes as work progresses and as changes occur. Include changes to existing mechanical systems.
 - .2 Transfer information weekly to reproducibles, revising reproducibles to show work as actually installed.
 - .3 Use different colour waterproof ink for each service.
 - .4 Make available for reference purposes and inspection.
- .9 As-built drawings:
 - .1 Identify each drawing in lower right hand corner in letters at least 12 mm high as follows: - "AS BUILT DRAWINGS: THIS DRAWING HAS BEEN REVISED TO SHOW MECHANICAL SYSTEMS AS INSTALLED" (Signature of Contractor) (Date).
 - .2 Submit to Departmental Representative for approval and make corrections as directed.
 - .3 Submit completed reproducible as-built drawings with Operating and Maintenance Manuals.

1.03 QUALITY ASSURANCE

- .1 Quality Assurance: in accordance with Section 01 45 00 - Quality Control.
- .2 Health and Safety Requirements: do construction occupational health and safety in accordance with Section 01 35 29.06 - Health and Safety Requirements.

1.04 MAINTENANCE

- .1 Furnish spare parts in accordance with Section 01 78 00 - Closeout Submittals as follows:
 - .1 Two set of replacement filter for compressed air systems.
- .2 Provide one set of special tools required to service equipment as recommended by manufacturers and in accordance with Section 01 78 00 - Closeout Submittals.
- .3 Provide a piping, fittings and bracket assembly as described in Section 1.9.2.5 of Section 01 78 00. These components will be delivered to the maintenance department for storage and will include the following materials.
 - .1 Piping set (Sc40);
 - 1. 25 mm (1 ") hose : Four (4) lengths (21'-0");
 - 2. 32 mm (1¼ ") hose : Two (2) lengths (21'-0");
 - 3. 38 mm (1½ ") hose : Two (2) lengths (21'-0 ");
 - 4. 50 mm (2 ") hose : Two (2) lengths (21'-0");
 - 5. 65 mm (2½ ') hose : Two (2) lengths (21'-0' ');
 - 6. 75 mm (3 ") hose : Two (2) lengths (21'-0 ");
 - 7. Hose of 100 mm (4 ") : Two (2) lengths (21'-0 ");
 - .2 Fitting set;
 - 1. 25 mm (1 ") fittings : five (5) fittings each;
 - 2. 32 mm (1¼ ") fittings : two (2) fittings each
 - 3. 38 mm (1½ ") fittings : two (2) fittings each;
 - 4. 50 mm (2 ") fittings : two (2) fittings each;
 - 5. 65 mm (2½ ") fittings : two (2) fittings each;

R.066611

- 6. 75 mm (3 ") fittings : two (2) fittings each;
- 7. 100 mm (4 ") fittings : two (2) fittings each;
- .3 Set of supports;
 - 1. 25 mm (1 ") supports : five (5);
 - 2. Supports of 32 mm (1¼ ") : two (2) fittings each
 - 3. 38 mm (1½ ") brackets : two (2) fittings each;
 - 4. 50 mm (2 ") holders : two (2) fittings each;
 - 5. 65 mm (2½ ") fittings : two (2) fittings each;
 - 6. 75 mm (3 ") brackets : two (2) fittings each;
 - 7. 100 mm (4 ") supports : two (2) fittings each;
- .4 Set of threaded rods;
 - 1. Rode 9.5 mm (3/8 ") threaded : two (2) lengths
 - 2. Rode 12.7 mm (½ ") threaded : two (2) lengths

1.05 MATERIALS OR ACCEPTABLE PRODUCTS

- .1 When materials or products are prescribed by their trademark, see the Instructions to Bidders in order to know the procedure concerning the request for approval of replacement products.

1.06 TRANSPORT, STORAGE AND HANDLING

- .1 Transport, storage and handling of materials in accordance with Section 01 61 00 - General Product Requirements and Manufacturer's Written Instructions.
- .2 Coordinate material storage areas on site with Parks Canada representative.
- .3 Delivery and Acceptance
 - .1 Deliver materials and materials to the site in their original packaging, which shall be labeled with the name and address of the manufacturer.
- .4 Storage and Protection
 - .1 Store materials in a dry place.
 - .2 Store materials under temperature and humidity conditions in accordance with manufacturer's recommendations and protect from weather.
- .5 Piping and all materials from decommissioning shall be temporarily stored, all in a manner that protects the environment on a Parks Canada designated area. This equipment must be evacuated from Grosse Île at the end of the work or within the timeframe of this bidder (to be coordinated with Parks Canada).

2 PRODUCTS

2.01 NOT USED

3 EXECUTION

3.01 PAINTING REPAIRS AND RESTORATION

- .1 Do painting in accordance with Section 09 91 99 - Painting.
- .2 Prime and touch up marred finished paintwork to match original.
- .3 Restore to new condition, finishes which have been damaged.

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3.02 DEMONSTRATION

- .1 Supply tools, equipment and personnel to demonstrate and instruct operating and maintenance personnel in operating, controlling, adjusting, trouble-shooting and servicing of all systems and equipment during regular work hours, prior to acceptance.
- .2 Use operation and maintenance manual, as-built drawings, and audio visual aids as part of instruction materials if required.
- .3 Provide hours of training for each of the systems in each building. These hours must appear within the timeframe requested in the documents for submission of the tender.
- .4 Departmental Representative will record these demonstrations on video tape for future reference. Coordination will be required between the contractor and the departmental representative to enable these records to be made.

3.03 PROTECTION

- .1 Protect equipment and systems openings from dirt, dust, and other foreign materials with materials appropriate to system.

END OF SECTION