Parks Canada | Parcs Canada

RETURN BIDS TO /
RETOURNER LES SOUMISSIONS Á:

Parks Canada Agency, Bid Receiving Unit
National Contracting Services

BID FAX : 1-855-983-1808

Bid Email / Courriel de soumission:
soumissionsami-bidsrpc@pc.gc.ca

This is the only acceptable email address for responses to bid solicitation. Bids submitted by email directly to the Contracting Authority or to any other email address will not be accepted.

The maximum email file size is 15 megabytes. Parks Canada Agency (PCA) is not responsible for any transmission errors. Emails with links to bid documents will not be accepted.

INVITATION TO TENDER
APPEL D'OFFRES

Proposal to: Parks Canada Agency
We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Issuing Office :

Parks Canada Agency
National Contracting Services
Cornwall, Ontario, K6H 6S2

Title-Sujet
Boundary Swing Bridge Replacement for Trent Severn Waterway National Historic Site

Solicitation No. - No. de l'invitation	**Date:**
5P468-22-0092/A	**August 25, 2022**
GETS Reference No. – No de référence de SEAG PW-22-01003050	**Client Ref. No. – No. de réf du client.** RPA 344

Solicitation Closes – L'invitation prend fin :

at – à	**on – le**	**Time Zone - Fuseau horaire**
2:00 PM	**Sept 13, 2022**	**HAE - EDT**

F.O.B. - F.A.B.
Plant-Usine: ☐ **Destination:** ☒ **Other-Autre:** ☐

Address Inquiries to: - Adresser toute demande de renseignements à :
Sheldon Lalonde **sheldon.lalonde@pc.gc.ca**

Telephone No. - No de téléphone	**Fax No. – No de FAX:**
343-585-3836	**1-855-983-1808**

Destination of Goods, Services, and Construction:
Destinations des biens, services et construction :

See Herein – Voir aux présentes

TO BE COMPLETED BY THE BIDDER
À ÊTRE COMPLÉTÉ PAR LE SOUMISSIONAIRE

_____
Vendor/Firm Name – Nom du fournisseur/de l'entrepreneur

_____
Address - Adresse

_____
Name of person authorized to sign on behalf of the Vendor/Firm
Nom de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur

_____
Titale - Titre

Telephone No. - N° de téléphone: _____

Facsimile No. - N° de télécopieur: _____

_____ _____
Signature **Date**

Canada

AMENDMENT #4

THE PURPOSE OF THIS AMENDMENT IS TO GIVE EFFECT TO THE FOLLOWING CHANGE;

1. Extend the solicitation closing date:

- **The closing date is extended from <u>September 08, 2022 at 2:00 PM until September 13, 2022 at 2:00PM.</u>**

2. In the Evaluation Criteria section "RC4 - Understanding of the Project and Contractor Capability" replace the following paragraph:

"Notwithstanding the bid validity period, for the purposes of the RFP schedule submission, assume a contract start date of September 1, 2022 and an earliest mobilization date of October 11, 2022."

with the following revised paragraph:

"Notwithstanding the bid validity period, for the purposes of the RFP schedule submission, assume a <u>contract start date of October 13, 2022 and an earliest mobilization date of November 14, 2022</u>."

1. QUESTIONS AND RESPONSES:

1) Due to the project complexity and, to ensure competitive and reliable subcontractor and supplier pricing, we respectfully request a 2 week closing date extension.

2) We would like to formally request an extension of one week to each of the question deadline and the tender submission deadline in order to properly source subcontractors and suppliers.

3) Due to the complexity of the project and the lack of existing bridge to observe, our subcontractors and suppliers are respectfully asking for this project be extended by a minimum of three weeks.

4) In order to provide an in-depth methodology on the proposed work on this project, requesting a two-week extension on the due date for this tender from the current date of August 25, 2022.

Answer for Extensions:

Extension given to September 13, 2022.

5) Can the hydro line be moved to accommodate the placement of concrete pump?

Answer:
The hydro utility at the site is owned by Hydro One and under license with Parks Canada where it crosses Parks Canada lands and the waterway. Any disruption to the electrical utility at the site must be coordinated by the contractor directly through Hydro One. For any disruptions to power permitted by Hydro One provide ample notice

to the Departmental Representative such that public notifications can be made by Parks Canada. Requests for power disruptions of any duration to properties and services extending outside the project limits must be made a minimum 3 months in advance of the scheduled power disruption. Exact dates can be refined closer to the schedule date but must be communicated a minimum of 3 weeks in advance.

6) Since the last contractor was not allowed to use spuds on the barge, does this still apply?

Answer:
The use of Spuds requires the correct Environmental Submissions and controls as well as separation of timing relative to the fish spawning windows

7) Is there concrete samples for the center pier lower section available?

Answer:
A report on the results of concrete pier sampling will be made available prior to the tender closing date.

8) Regarding the detail of a submarine cable on Drawing C5 there is only a vague description in the specification. Individual cables are specified on the cable overview charts but these are for individual cables only. These cables specified cannot be constructed within the submarine cable as typically a submarine cable will only include a set number of gauge wires varying in size depending on what they control or power. Also if power and control wires are to be separate cable assemblies this will also have to be taken into account. Please indicate the contents of the submarine cable(s) for example 20 - #14, 8 - #12, 10 - #10, #16 – 2 pair Belden, etc.

Answer:
The voltage levels in the cables are 240V/120V; they can be run side by each. The part numbers listed in the tables provide an indication of the makeup of the cable. For the submarine cables the numbering is as follows.

C59 - 6PESAUS14-30C-V / 600V SIA POWER CABLE is a 14AWG, 30 conductor cable
C94 - T6XAAUS12-3C-BFT4-HL / Conductor: Bare 7 stranded annealed is a 12AWG, 3 conductor cable.
C102 - 6PESAUS14-18C-V / 600V SIA POWER CABLE is a 14AWG, 18 conductor cable

Some or all of these and other cables will be special order. See attached product data sheets.

9) Can a separate line item for underwater concrete removal be added to the Unit Price Table?

Answer:
No, the removal of Concrete will be as per the original tender form. Removals are required to allow the new concrete pier cap and then additional removals below the winter waterline are generally to be limited to loose concrete to achieve a stable surface. The specified milestone completion date for concrete work is extended to February 25, 2022 in response to concerns raised by bidders regarding the construction schedule. The revised milestone is selected to maintain the completion of concrete coinciding with the period of the year when the average historic water level and flow is lowest and respects the in-water work restriction commencing on March 15, 2022.

10) Please provide locations and sizes of the Underwater Formed and unformed patches

Answer:
The exact location of patches is not known and will be determined on site.

11) Who will be responsible to organise the under-water inspection to mark and confirm quantities of under-water repairs?

Answer:
The Contractor is responsible for marking and measuring quantities of removal. The extent of removals will be jointly defined by the Contractor and the Departmental Representative who will be on site during the initial stages of

removals identification and at stages during the removals process to direct the Contractor on extent of repairs and to confirm the removals work is satisfying the intent of the design. Further, the Departmental Representative will verify the Contractor's measured quantities of removals and repairs following their completion.

Where the Contractor proposes to complete removals under water and not in dry conditions, they are expected to have divers engaged to perform physical underwater inspection, marking and measurement tasks. The use of underwater cameras operated by divers with a recorded live monitor feed viewable by the Departmental Representative is a common approach to conducting the inspection process. The Departmental Representative may or may not have their own means of visually inspecting concrete below water. Note that the water is often turbid and can impair visibility due to the loose and fine grained nature of portions of the canal bed soil structure.

Where repairs are chosen by the contractor to be completed in the dry, a preliminary dive inspection must be conducted by the Contractor in the presence of the Departmental Representative to delineate the lower limits of anticipated removals and new concrete repairs. The detailed inspection and marking process for removals should then be reserved for when the concrete is dewatered to below the lower limit of anticipated repairs to allow for dry condition inspection. The selection of means and methods and the decision to complete the removals underwater or in dry conditions are the responsibility of the Contractor.

12) Would it be acceptable for the wood for the running boards and laminated portion to be Douglas Fir instead of Western Hemlock and SPF?

Answer:
No the nail laminated deck must be SPF and the running boards must be Western Hemlock as per the specification.

13) As mentioned in the specifications Section 05 12 33 Part 2.1.1.3, the supply of the various shapes with the corresponding testing requirements will be difficult.
Considering the above as well as the shop drawing approval period, our suppliers have mentioned it is unlikely the structure will be delivered by the January 15th, 2023 milestone.
Assuming the steel structure is not available before the canal opening, would Parks Canada consider postponing the structural steel installation? We have been advised July 2023 is a more realistic date for the superstructure delivery.

Answer: Under Review

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

SPECIFICATION SHEET

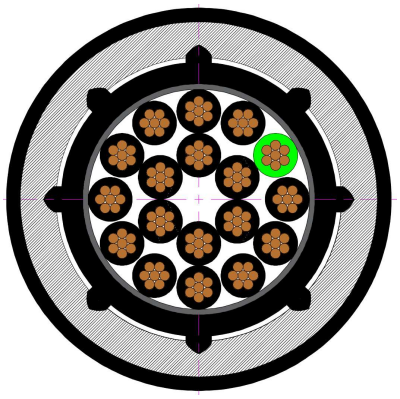
Phone: 1-888 – ELECTRO (353-2876) or 613-394-4896
Fax (613) 394-4101 email: sales@electrocables.com
www.electrocables.com *QMS Registered to ISO 9001*

Date: 15-May-18 Rev. 0

Product Number: **6PESAUS14-18G-V**

600V SIA Power Cable
17/C 14/7 AWG SBC + 14/7 AWG SBC Insulated Ground
XLPE RW90 600V Insulation
HMW LLDPE Inner Jacket, with Ribs
Galvanized Steel Interlocked Armour
HMW LLDPE Outer Jacket, Black
Sun Resistant, Direct Burial
Temperature Rating -40°C to 90°C WET / 90°C DRY

General Specification of Product:		
Final Diameter :	1.166 inches	29.62 mm
Total Cable Weight :	1114 kg/km	749 lbs/1000 ft
Conductor :	14 AWG 7 Strand Bare Copper per ASTM B3, B8	
Insulation :	.030" Wall XLPE RW90 600V, Black Number Coded, 1 - 17	
Insulated Wire OD :	0.134"	3.4 mm
Bonding Wire :	.030" Wall XLPE RW90 600V, Green	
Inner Jacket :	.067" Wall HMW LLDPE, Black with 8 x ribs	
Armour :	Galvanized Steel Interlocked Armour	
Outer Jacket :	.042" Wall HMW LLDPE, Black	
Outdoor Rating :	Sunlight Resistant, Direct Burial	



Specification References :	CSA C22.2 No. 239 ACIC, CSA C22.2 No. 38
Print Notes :	Sequentially marked in Meters (0 - infinity)
Standard Print :	ELECTRO CABLES 18/C 14 AWG 600V POWER CABLE
	90°C WET/90°C DRY XLPE SIA HMW LLDPE DIRECT BURIAL SUN RES
	MADE IN CANADA 6PESAUS14-18G-V (year of Manufacture, Order #)

Electrical Characteristics :	
DC Resistance 25°C :	2.43 Ohms / 1000 ft
Ampacity 30°C :	17 Amps

Additional Information :

Maximum Pulling Tension : 615 lbs / 279 kg
Minimum Bend Radius - Pulling : 21 in. / 534 mm
Minimum Bend Radius - Permanent : 14 in. / 356 mm
Product Flexibility Rated : Semi-flexible

-40°C Cold Bend Rated
RoHS Compliant

All Cables are Canadian Made in Ontario **QMS Registered ISO 9001**

Electro Cables Inc. has been manufacturing quality cables for over 30 years.

(All of the above values are approximated to within ± 15%)

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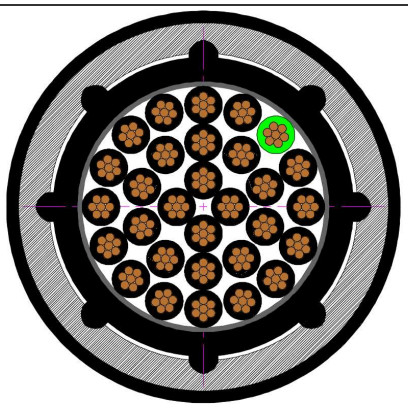
600V SIA Power Cable
29/C 14/7 AWG SBC + 14/7 AWG SBC Insulated Ground
XLPE RW90 600V Insulation
HMW LLDPE Inner Jacket, with Ribs
Galvanized Steel Interlocked Armour
HMW LLDPE Outer Jacket, Black
Sun Resistant, Direct Burial
Temperature Rating -40°C to 90°C WET / 90°C DRY

General Specification of Product:

Final Diameter :	1.395 inches	35.44 mm
Total Cable Weight :	1627 kg/km	1094 lbs/1000 ft
Conductor :	14 AWG 7 Strand Bare Copper per ASTM B3, B8	
Insulation :	.030" Wall XLPE RW90 600V, Black Number Coded, 1 - 29	
Insulated Wire OD :	0.134"	3.4 mm
Bonding Wire :	.030" Wall XLPE RW90 600V, Green	
Inner Jacket :	.087" Wall HMW LLDPE, Black with 8 x ribs	
Armour :	Galvanized Steel Interlocked Armour	
Outer Jacket :	.042" Wall HMW LLDPE, Black	
Outdoor Rating :	Sunlight Resistant, Direct Burial	



Specification References :	CSA C22.2 No. 239 ACIC, CSA C22.2 No. 38
Print Notes :	Sequentially marked in Meters (0 - infinity)
Standard Print :	ELECTRO CABLES 30/C 14 AWG 600V POWER CABLE
	90°C WET/90°C DRY XLPE SIA HMW LLDPE DIRECT BURIAL SUN RES
	MADE IN CANADA 6PESAUS14-30G-V (year of Manufacture, Order #)

Electrical Characteristics :

DC Resistance 25°C :	2.43 Ohms / 1000 ft
Ampacity 30°C :	15 Amps

Additional Information :

Maximum Pulling Tension :	1025 lbs / 465 kg
Minimum Bend Radius - Pulling :	25.2 in. / 638 mm
Minimum Bend Radius - Permanent :	16.8 in. / 426 mm
Product Flexibility Rated :	Semi-flexible

-40°C Cold Bend Rated
RoHS Compliant

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