



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS Á:

Parks Canada Agency
1300 - 635 8 Ave SW
Calgary, AB T2P3M3
Bid Fax: (403) 292-4475

INVITATION TO TENDER

APPEL D'OFFRES

AMENDMENT / MODIFICATION

003

Tender 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.

Soumission aux: l'Agence Parcs Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaries

Issuing Office - Bureau de distribution

Parks Canada Agency
Suite 1300
635 - 8 Ave SW
Calgary, AB T2P3M3

Title-Sujet Snowshed Lighting; Tupper 2 LED Lighting; Trans-Canada Highway, Glacier National Park		
Solicitation No. - No. de l'invitation 5P420-16-5059/A		Date: May 30, 2016
GETS Reference No. - No de reference de SEAG PW-16-00732733		Amendment No. - N° de la modif. 003
Solicitation Closes:		
at - á 02:00 PM	on - le June 7, 2016	Time Zone - Fuseau horaire MDT - HAR
F.O.B. - F.A.B.		
Plant-Usine: <input type="checkbox"/>	Destination: <input checked="" type="checkbox"/>	Other-Autre: <input type="checkbox"/>
Address Inquiries to: - Adresser toute demande de renseignements à : Nathaniel Harrison - nathaniel.harrison@pc.gc.ca		
Telephone No. - No de téléphone (403) 292-4572		Fax No. - No de FAX: (403) 292-4475
Destination of Goods, Services, and Construction: Destinations des biens, services et construction:		
See Herein - Voir ici		

TO BE COMPLETED BY THE BIDDER (type or print)

Vendor/Firm Name	
Address - Adresse	
Name of person authorized to sign on behalf of the Vendor/Firm Nom de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur	
Titale - Titre	
Telephone No. - N° de telephone: _____	
Facsimile No. - N° de télécopieur: _____	
Signature	Date

Amendment 3

This amendment has been issued to answer questions from bidders and extend the solicitation closing date.

This tender now closes on **June 7, 2016 at 2:00 PM MDT.**

Questions

- Q3.** Is it install only of the 382W LED Luminaire & 181W Lights? Or is it Supply & Install?
- A3.** Per Specification Section 01 11 00, subsection 1.11, the owner shall supply the LED tunnel luminaires c/w SOW cable, 3 mounting brackets and dimming module. The contractor shall install these items only. Note that per subsection 2.1.1 and 2.1.2 of Specification Section 26 05 02, the contractor shall supply and install the custom angle mounting brackets for the luminaires.
- Q4.** Has a Prime Contractor already been labeled for the project or is this to determine the Prime Contractor? If this determines a Prime then will there be an opportunity for Sub Contractors to apply?
- A4.** This Solicitation is to determine the Prime Contractor. Sub-Contractors may be allowed in accordance with the General Conditions.
- Q5.** Is it mandatory to have the Marine liability, and Aviation coverage as suggested in the Certificate of Insurance section?
- A5.** No. Only Commercial General Liability has been identified.
- Q6.** What is the current voltage to the lights right now?
- A6.** Existing tunnel luminaires are fed from 347/600V panel. Refer to Shaflik Eng Reference drawings for as-built conditions.
- Q7.** Where do you want all of the SCADA to go back to?
- A7.** SCADA workstation and associated head-end lighting control system equipment shall be installed in the Admin building per Specification Section 26 05 00 subsection 1.6.2.3.
- Q8.** What exactly are you wanting to monitor in the Switchgear?
- A8.** Refer to Specifications Section 26 56 19 subsections 2.2 and 2.2.5.16.
- Q9.** What is currently in place in terms of the electrical distribution?
- A9.** Refer to High and Low voltage distribution systems drawing package drawings – typically all distribution equipment is existing in all substation buildings except where noted otherwise.
- Q10.** We could not determine the existing panel manufacture or model numbers.
- A10.** Panel part numbers are not known.
- Q11.** Is there brand requirements for the new panel manufacture?
- A11.** New panels must meet the requirements of Specifications section 26 24 17.
- Q12.** Is there additional information on what Antenna to provide?
- A12.** Antenna at Single Bench tunnel is to be removed.
- Q13.** Are there specifications for the lighting controls? We are trying to determine what specifically will be required for the installation.
- A13.** Lighting control specifications are described in the specifications document section 26 05 00 subsection 1.6.2.2 and section 26 56 19 subsection 2.2.

- Q14.** Is there any additional information on the approach system controller? model numbers, requirements, etc.
- A14.** The approach system lighting will be controlled by the Tupper 2 West Substation lighting control cabinet and HOA switch. Refer to drawings 53 and 56 of the High and Low voltage distribution systems drawing package.
- Q15.** Is there any additional information on the Arc flash and fiber optic requirements?
- A15.** Refer to section 26 29 03 for control system device specifications (Arc Flash) and Section 27 10 05 Subsection 3.1 for fibre specifications.
- Q16.** Is there any additional information on the line filter
- A16.** The line filter must be suitable to meet the requirements of the lighting control system.
- Q17.** If awarded will our group be acting as the general contractor or will the work be completed under another contractor?
- A17.** This Solicitation is to determine the Prime Contractor.
- Q18.** We were unable to locate the Tupper 2 west sub station prints.
- A18.** Tupper 2 west substation drawings are sheets 50-56 in the High and Low voltage distribution systems drawing package.
- Q19.** We are under the impression that portions of this project have been completed but we are unable to determine how much has been completed.
- A19.** Refer to block note in bottom right hand corner of drawings for indication of "All equipment existing/proposed...". For drawings where "all equipment is existing unless noted otherwise", equipment to be installed will be noted with verbs like: INSTALL:, ADD:, MODIFY:, equipment to be removed will be noted with REMOVE:. For drawings where "all equipment is proposed unless noted otherwise", existing equipment will be noted as "existing" or "exist.". Equipment to be removed will be noted with REMOVE:. All other equipment is assumed to be new and installed by the contractor.
- Q20.** How much of the ditch has been dug and how much is left?
- A20.** Generally, all conduits along the length of the corridor are existing with the exception of some new conduits to be installed to the Admin building at the maintenance yard and some local conduits at the snowsheds.
- Q21.** How much of the underground work has been completed?
- A21.** Generally, the underground work is existing along the corridor except where noted with INSTALL:, ADD:, MODIFY:, etc. as indicated above.
- Q22.** Has the underground wiring being pulled?
- A22.** The majority of the wiring is existing with the exception of some new wiring at the maintenance yard, at the substation building, and all new wiring at the Tupper 2 snowshed to feed the new lighting. Fibre cable is also proposed between the Single Bench snowshed and the Tupper Timber snowshed, and in the maintenance yard. All new wiring to be installed within existing conduit will be denoted with ADD: or sometimes INSTALL: within the conduit callout.
- Q23.** What size of conduit is currently in place for the lighting wiring (if any) for Tupper 2?
- A23.** Existing lighting conductors are installed in a 127x457mm wireway. The wireway (and all other existing wiring and equipment within the tunnel) shall be removed as part of this contract.
- Q24.** Have the conduits from the underground vault to the lights been completed?
- A24.** No. All conduits between the Tupper 2 West substation building and the Tupper 2 snowshed are to be installed as part of this contract.

- Q25.** "All conductors should be 4c #2 + 1 #6 ground" It is the assumption that this is because of the length of the run to the far side of the tunnel for the majority of the lights on that side.
- A25.** The conductors have been sized based on voltage drop calculations. For the westbound tunnel, the majority of the load is at the end of the line and therefore larger conductors are required than for the eastbound tunnel where the majority of the load is closer to the source.
- Q26.** We assume that with the upsize of the cable the conduit must be increased to 2" Conduit. Please confirm that this is acceptable. This increases the costing significantly.
- A26.** Conductors should be 600V RW90 XLPE without a jacket (contrary to Specification section 26 05 21 subsection 2.1). 4 No. 2 + 1 No. 6 conductors with this specification will fit in 35mm RAC with a fill capacity of less than 40%.
- Q27.** Is it acceptable to run the flasher and pole light circuits in the same conduit as the tunnel lights? This would eliminate the need to run Teck cable the length of the tunnels and make for a cleaner finish.
- A27.** No, the flasher and luminaire pole circuits cannot be run in the same conduits as the tunnel lights. Tunnel lighting is 347/600V and approach systems are 120V. Teck cables are not required to run the length of the tunnel. West approach systems are fed from Tupper 2 West substation, East approach systems are fed from Tupper 2 East substation.

All other terms and conditions remain unchanged.