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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

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Title - Sujet Ellis Lab Ventilation Upgrade	
Solicitation No. - N° de l'invitation EB144-210761/A	**Amendment No. - N° modif.** 002
Client Reference No. - N° de référence du client EB144-21-0761	**Date** 2020-09-09
GETS Reference No. - N° de référence de SEAG PW-$PWA-405-6037	
File No. - N° de dossier PWA-0-84039 (405)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2020-09-17**	**Time Zone** **Fuseau horaire** Atlantic Daylight Saving Time ADT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Kendell (PWA), Byron	**Buyer Id - Id de l'acheteur** pwa405
Telephone No. - N° de téléphone (902) 497-5345 ( )	**FAX No. - N° de FAX** (902) 496-5016
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Solicitation Amendment 002 is being raised to answer bidder questions, as follows:

Questions and Answers:

Question 1: There are multiple changes to the existing Delta Controls OWS/enteliWEB system required as part of project, including reprogramming, tuning, BACnet Integration, graphics, and commissioning. Access to this enteliWEB OWS will provide access to 90% of the controls at BIO including all root code and programming, event management, and system operations. This will include the existing critical environmental controls at the BIO Ellis Building, which currently maintains the supply and exhaust airflows in all labs and fume hoods. Access of this system by untrained and unsupported individuals can lead to numerous safety and operational issues at the Ellis Building and BIO at large.

Is it a requirement that all work associated with the tuning, re-programming, integration, graphics, and commissioning of the existing enteliWEB OWS at BIO be completed by a local Delta Controls factory trained organization?

Answer 1: Yes, this is a requirement, and local shall be defined as being within the province of Nova Scotia. Additionally, the graphics package shall be consistent with the existing enteliWEB OWS graphics and the Contractor shall submit the proposed graphics package as a shop drawing to the Departmental Representative for review and response prior to the implementation of the package.

Question 2: Is it a requirement that all low-voltage wiring for this project to be carried in EMT/Conduit?

Answer 2: All wiring for this project, including, but not necessarily limited to, electrical, low-voltage control and communication wiring, shall be installed within conduit.

Question 3: Currently the Laboratory Airflow Controls System material and controls is carried by the Division 23 (Mechanical Contractor). Air Valves are mechanically installed in the duct by the Mechanical Contractor, but all installation of the controls, including temperature sensors, RH sensors, occupancy sensors, sash position sensors, room level controls, transformers, etc. are completed by the Building Automation System Contractor (Division 25). Additionally, all integration to the existing OWS is completed by the Division 25 Contractor. Every Laboratory Airflow Controls System will be different. This can create an issue where the Division 25 contractor is unaware of.

We request that the Laboratory Airflow Controls System be moved from the Division 23 section (mechanical) and placed into the Division 25 section (Controls).

Answer 3: It isn't the intent of the contract documents to prescribe supply requirements between the General Contractor's sub-contractors. The laboratory airflow control system can be supplied by either the mechanical or controls contractor for this project. Similarly, they can be installed by either contractor as well. The expectation is that the General Contractor is providing all components indicated

and shall coordinate with their respective sub-contractors to ensure all requirements outlined within the contract documents are being provided. The General Contractor will be held to the requirements indicated within the documents.

Question 4: Attaching Valves Exhaust fume hood valve is banded and taped but, with regard to the new General Exhaust, is that Banded and taped as well or is it aluminum that can be screwed?

Answer 4: Refer to Section 23 31 13 Metal Ducts - Low Pressure to 500 Pa, specifically sub-section 3.1.(9) for duct material requirements. All sealant shall be high-velocity/pressure sealant suitable for a fume application. Refer to Drawing H5 Ventilation Design Details & Schedules, specifically Air Valve Schedule Note #4 (should actually be #6), all air valves shall be complete with manufacturer-supplied draw band clamps. No valves shall be screwed.

Question 5: Where the new General Exhaust goes into the Hallway there is a fire damper. I am wondering when it goes into one Lab then into another no fire damper register is there; are they considered the same lab? Example Lab 409 into Lab 410.

Answer 5: Provide a new fire damper within each duct penetrating a partition wall separating laboratory spaces. These will be shown within the IFC package.

Question 6: There are other areas in the same system that are not marked out for valve replacement; example Room 403 or 415. Please clarify.

Answer 6: Only the laboratory spaces within the building are part of this upgrade project. The other areas, not currently included in the scope, are largely office spaces or auxiliary support spaces and, while they may have a supply air valve, they do not have a laboratory exhaust air valve or connection to the fume exhaust system. It was the interconnection with the fume exhaust system that was targeted by this upgrade project.

All other terms and conditions remain the same.