



805-2019 ADDENDUM 4

RDS SCADA SYSTEM UPGRADE, PLC REPLACEMENT, AND POWER RELIABILITY UPGRADES

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE TENDER

ISSUED: September 4, 2020
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE TENDER AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20190115

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Tender, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, **September 29, 2020**.

APPENDICES

Add: Appendix_R Photograph Log – Hurst RPS, TBPS, WTP, DBPS and DCFF, and SLAIF.

QUESTIONS AND ANSWERS

Q1: Does the City plan to reuse the existing cabinets of the Bentley racks? If so, who is responsible in removing/decommissioning the exiting racks from the cabinets?

A1: If this is referencing the existing PLC control panels, then yes, these existing PLC control panels are being re-used. The Contractor is responsible for all demolition, removal, and salvage/disposal efforts associated with the Work; refer to the Drawings and NMS 26 05 05 for further details.

Q2: Are you able to provide the pictures that were taken from the Site investigations?

A2: Photographs from the Site investigations have been included in Appendix R, which is being included in this addendum.

Q3: Did the pictures from the Site investigation include the Bentley Nevada racks/cabinets?

A3: Photographs of the PLC control panels are included in the photographs in Appendix R. For clarity, photographs of every control panel has not been provided; photographs include one typical PLC control panel which shows the PMCM installation (Photograph 1 - 4) and the two control panels at Shoal Lake which have PMCMs (Photograph 59 – 62 and 69 - 71).

Q4: Are the dimensions of Bentley Nevada racks/cabinets available?

A4: Dimensions of the PLC control panels are included in the Drawings.

Q5: Is there a list available for the existing vibration, acceleration, and temperature sensors, including sensor part numbers?

A5: A list of vibration, acceleration, and temperature sensors will not be provided. This existing vibration, acceleration, and temperature sensors will be re-used and connected to new input cards, which is included in the Work. Part numbers for the new input cards are provided on the Drawings.

Q6: Is there any limit to the number of hours allotted for the PMCM training? Typically, the ATG operation and maintenance training is a 3-day hands-on training course. This workshop includes practice with module and software configuration. Other topics that are included in this course are overview of hardware and modules, rack and module configuration, system troubleshooting and maintenance and ATG view app. Appendix Q requires 2 hour minimum, which I think is not enough to cover the important topics. Also, it says classroom training is not required. The actual configuration requires a PC and we strongly recommend to conduct the training in a classroom setting. Is this feasible?

A6: The minimum requirements for training are outlined in E11 and Appendix Q. There are no restrictions against a Bidder carrying training beyond the requirements of the Contract Documents in their Bid.

Q7: One of the bidding requirements is to have successfully carried out a recent electrical and instrumentation works for water or wastewater treatment. Since we haven't done any recent work for the City, do we still qualify to bid?

A7: The project qualifications outlined in B13 are not limited to experience with the City of Winnipeg.

Q8: Can you please clarify as to where to carry costs for hardware and software for PLC and SCADA on Form B?

A9: All efforts necessary to complete the Work in accordance with the Contract Documents should be carried by Bidders in their Bid. Regarding hardware and software specifically, these costs are intended to be captured on Form B: Prices in Item No. 3. References to Division 26 and 29 were included on Form B: Prices under the column "Spec. Ref." to denote this incorporation.

Q9: Can we receive an I/O list for all PMCM points?

A10: This information is included on the Drawings; detailed schematic/loop drawings are provided for all PMCM I/O points. For clarity, a separate I/O list will not be provided.

Q10: Who is responsible for compiling all existing Bentley configuration parameters?

A11: The Contractor is responsible for recording all existing Bentley configuration parameters and programming the new PMCM system. See Section 29 40 52 – Pump and Motor Condition Monitoring Unit, Clause 3.1 Installation.