



559-2021 ADDENDUM 1

LINDEN LIFT AND FLOOD PUMPING STATION (LFPS) UPGRADES

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID/PROPOSAL

ISSUED: September 13, 2021
BY: Carlos Mota
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: Add 2021-03-05

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

FORM B: PRICES

Replace: 559-2021_eBid_FormB: Prices with 559-2021_Addendum 1_eBid_FormB: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

- Form B(R1): Add Cash Allowance for Additional Works (\$60,000)
- Add Flood Pump Motor Refurbishment
- Add Lines Items for Standardized Equipment

Page numbering on some forms may be changed as a result.

PART E – SPECIFICATIONS

Revise: E4.6.1 to read:

Goods to be procured via Eecol Electric (Eecol) **or Choice Electric (Choice)**, as Schneider’s High Tech Automation Distributor (HTAD):

- (a) Further to E4.2, goods to be procured via Eecol **or Choice** includes but is not limited to:
 - (i) Programmable Controllers (PLCs) including all associated components hardware and software;
 - (ii) Programmable Controller Programming Software;
 - (iii) HMI System software;
 - (iv) Touchscreen HMI systems such as Magellis HMIs;
 - (v) Touchscreen HMI Programming Software;
 - (vi) Motor Control Centers including all components;
 - (vii) Loose VFDs, motor starters, soft starters, and associated components; and
 - (viii) Industrial Ethernet Switches as per design. Note that some Ethernet switches may be specified to be from other vendors due to application requirements. Refer to drawings and specifications.

(b) The Eecol contact:

Trevor Hambleton
1760 Wellington Avenue
Winnipeg, MB, R3H 0E9
Telephone: 204-774-2800
[E-mail: hambleton@eecol.com](mailto:hambleton@eecol.com)

The Choice contact:

Ofer Margovski
2130 Notre Dame Ave
Winnipeg, MB, R3H 0K1
Telephone: 204-783-2333
[E-mail: oferm@choicesupply.ca](mailto:oferm@choicesupply.ca)

- (c) All correspondence related to requests-for-quotations to Eecol **or Choice** for goods listed under E4.6.1(a) shall be copied to the Schneider contact listed under E4.6.
- (d) For whatever reason, **if neither Eecol nor Choice are able** to receive or respond to request-for-quotations for goods listed under E4.6.1(a), request-for-quotations may be issued directly to the Schneider contact listed under E4.6.

Add: E18 to read:

E18. FLOOD PUMP MOTOR REFURBISHMENT

- E18.1 Perform comprehensive inspection and servicing of the two (2) existing flood pump motors (MTR-F01 and MTR-F02). The motors shall be removed from the Station and sent to a service centre in Winnipeg for servicing. The Contractor is responsible for the electrical disconnection of the motors, removal of the motors from the Station, reinstallation, and all associated costs including those for craning and shipping. Testing and refurbishment to be in accordance with specification 26 08 05. As the extent of the repairs are unknown, the Contractor shall include a base cost in their bid for the dismantling, inspection, and testing the motors. After the inspection and testing is complete, the Contractor shall provide a quotation to the Contract Administrator for the work recommended by the service centre with a breakdown of individual costs for each task. The Contract Administrator will indicate which tasks are approved, and payment will be made via Form B "Cash Allowance".
- E18.2 City personnel will disconnect the driveshafts from the motors to facilitate removal of motors by the Contractor.

APPENDICES

- Add: Appendix B – I/O List
- Add: Appendix C – Instrument List
- Add: Appendix D – Control Narrative

NMS SPECIFICATIONS

- Add: Specification 26 08 05 – Acceptance Testing

QUESTIONS AND ANSWERS

The questions below are written as received from bidders:

- Q1: Regarding the Emergency Lighting: Does the TYPE E combo need to be gasketed?
A1: No. Main floor plan is an unclassified dry area.
- Q2: Please prove a specification for Exits, Remote Heads, and Battery Units.
A2: Exit signs heads shall be dual MR16LED 12V-4W lamps.
Remote heads shall be sealed, fully gasketed, dual MR16LED 12V-4W lamps.
Battery Bank shall be standard unit, 120 V input, 12 V output, rated 100W, c/w dual MR16LED 12V-4W lamps.
- Q3: Please confirm the head wattage and voltage required for the remotes / combos / bank

A3: Please see response A2.

Q4: Drawing P0003 shows LSH-502 but Drawing A0001 does not show this tag in the Comm Chamber. Can you please clarify if this is also to be supplied new?

A4: Refer to Automation Drawing A0001 – Floor Plan Layout – Detail 3

Indicate replacement of existing comm chamber high level float switch approximately located in south west corner of chamber floor.

Q5: Drawing P0003 shows LS-L902, while Drawing A0001 shows LSH-L902? Are these the same?

A5: Refer to Automation Drawing A0001 – Lift Station Plan – Detail 4

Revise identification of LSH-L902 in north east corner of dry well to LS-L902

Q6: Drawing A0001, Note 6 states “INSTALL NEW HVAC CONTROL PANEL JBA-A86 AS SUPPLIED BY MECHANICAL.”. Can you please clarify if this panel is to be supplied by Mechanical or by Electrical?

A6: Design provides specifications for a process automation system under the electrical division and a mechanical HVAC controls under the mechanical division. Contractor to co-ordinate with subs for responsibility of these two systems.

Q7: Drawing P0002 shows HSS-F010-3 and HSS-F020-3. We understand that HSS-F010-1, HSS-F010-2, HSS-F020-1 and HSS-F020-3 are all field installed E-Stop stations as shown on Drawings A0015 and A0016. Can you please clarify if the tags HSS-F010-3 and HSS-F020-3 are installed on the doors of MCC?

A7: Refer to P&ID Drawing P0002 – Flood Station Pumping System

E-stops HSS-F010-3 & HSS-F020-3 are panel mounted in the front of their respective soft start motor cubicles in MCC-A71

Q8: Drawing P0003 shows HSS-L010-3 and HSS-L020-3. We understand that HSS-L010-1, HSS-L010-2, HSS-L020-1 and HSS-L020-3 are all field installed E-Stop stations as shown on Drawings A0017 and A0018. Can you please clarify if the tags HSS-L010-3 and HSS-L020-3 are installed on the doors of MCC?

A8: Refer to P&ID Drawing P0003 – Lift Station Pumping System

E-stops HSS-L010-3 & HSS-L020-3 are panel mounted in the front of their respective VFD Cabinets.

Q9: Per Schneider Rep – “*Corrected the following issues with existing client drawings: power supply / CPU in incorrect slots, unable to fit all necessary cards in 1 rack so added a rack extension, drawings call for (1) AMO0810 module (this doesn't exist) so replaced with (2) AMO0410 (for clarification should confirm with customer that 8 analog output channels is indeed what they are requesting).*” This is referenced from Drawings A0004 and A0009. Can you please confirm that we'll supply two 4pt AO cards (BMXAMO0410) or provide clarifications?

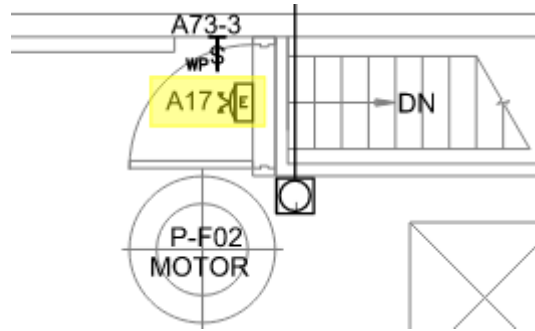
A9: Refer to Automation Drawing A0004 – Bill of Material Item #29

The provision of two four point analog output cards in lieu of one eight point card as specified is acceptable

Q10: In Section 25 00 01 clause 1.4.6 listed the Appendices B, C and D. Can you please provide these documents?

A10: These appendices are included in Addendum 1

Q11: Can you please confirm what this (highlighted below) is supposed to be on drawing E-0004? Circuit A17 according to the directory found on drawing E-0009 is supposed to be Supply Fan SF-61. Can you also confirm which circuit this device is supposed to be on as well?



A11:

Refer to Electrical Drawing E0004 – Main Floor Power Plan – Detail 2

- Emergency Lighting Batter Bank on North Wall to be powered from circuit A73-13.
- Main floor east side exterior door exit sign to be powered from circuit A73-23.

Refer to Electrical Drawing E0004 – Main Floor Lighting Plan – Detail 1

- Delete exit sign c/w remote heads above stairwell.

Refer to Electrical Drawing E0004 – General

- All plant exit signage and remote emergency lighting double heads 12 VDC power to be provided by Emergency Lighting Batter Bank on Main Floor North Wall.

Refer to Electrical Drawing E0009 – Panel PNL-A73 Schedule – Detail 1

- Revise circuit description on circuit #13 to read “Emergency Lighting Battery Bank”.
- Revise circuit description on circuit #23 from “SPARE” to “Exit Signage”.

APPROVED EQUALS

The following have been requested to be approved equals for this project. Bidders shall ensure that products selected for this project meet or exceed specified material and performance requirements:

Specification	Item	Specified Product	Requested Equal	Equal Granted?
23 37 13	Grilles, Registers, and Diffusers (GRD's)	EH Price		Yes
	Sump Pump	Little Giant	Bell & Gossett	Yes
26 29 23	Variable Frequency Drives	Schneider	ABB	NO. See Clause 2.12.2 of Spec 262923
23 34 00	Supply and Exhaust Fans	Greenheck	Loren Cook	Yes
23 34 00	Exhaust Fans	Northern Blower	Loren Cook	NO. This fan has been purchased by the City
23 37 13	Grilles, Registers, and Diffusers (GRD's)	EH Price	Titus / Nailor	Yes
23 44 00	HVAC Filtration		Camfil Farr	Yes
23 37 20	Louvers	Ruskin	Ventex / Nailor	Yes
23 31 13	Backdraft Dampers		Ventex / Continental Fan	Yes
23 31 13	Motorized Dampers	Ruskin	Alumavent / Nailor	Yes
23 31 13	Insulated Control Dampers	Ruskin	Greenheck	Yes
23 31 13	Steel Control Dampers	Ruskin	Greenheck	Yes