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Addendum 2
Solicitation 24-99351

Lakewood Water Treatment Plant Power Improvements – Power Systems Integrator

This addendum serves to notify all bidders of the following changes to the solicitation documents:

- Please see the attached document
- The bid form has been updated in BidExpress and is attached to this addendum.

Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **March 26, 2024**



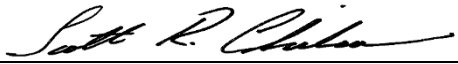
ADDENDUM #2
24-99351 Lakewood WTP PI – Power System Integrators
TRANSFORMERS - LAKEWOOD WATER TREATMENT PLANT POWER IMPROVEMENTS
CITY OF DULUTH
PROJECT 00616197
MARCH 26, 2024

Page 1 of 2

CERTIFICATION

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Scott Chilson

Signature: 

Date: 3/21/24 License #: 44287

NOTICE

This Addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addendums and is hereby made a part of the Contract Documents. Please attach this Addendum to the specifications in your possession and note receipt of this Addendum on page 00 41 00-2 of the bid. The bid date remains unchanged.

BID FORM

REPLACE the entire bid form with the attached.

SPECIAL PROVISIONS

SP-2 SCOPE OF WORK – Structure 940 paragraph.

REPLACE the paragraph with the following:

- Structure 940
 - Provide (2) NGR’s to match the (2) the OWNER furnished 3,000 kVA 13.8kV-2.4kV transformers.
 - Provide 940-SB-2
 - Provide 940-SB-3
 - Provide 940-SB-4A/4B (split sections)
 - Provide 125VDC appliance panel and 125VDC power system with UPS batteries.
 - Provide 940-PSCP-1.
 - Integrate with generator supplier open transition control and paralleling control.
 - Integrate with the plant SCADA system, 940-LCP-1.
 - Provide Fiber-Optic hardware and network for power system integration and control. Integrate with SCADA.

SP-17 (1906) PARTIAL PAYMENTS, PARAGRAPH C.4.

REPLACE the entire paragraph with the following:

1. BID ITEM NO. 4 / 940-SB-2, 940-SB-3, 940-SB-4A, & 940-SB-4B: The work under this item shall is defined in SP-15 and described by these contract documents. This item shall include the cost to deliver 940-SB-2, 940-SB-3, 940-SB-4A, & 940-SB-4B, and other materials required for a complete and operable system.

ENGINEERING TECHNICAL SPECIFICATIONS

SECTION 26 08 00 ELECTRICAL EQUIPMENT ACCEPTANCE TESTING AND START-UP

CLARIFICATIONS It is the intent that work included under the Power System Integrator scope of work shall provide equipment start-up, testing, and training for acceptance.

Paragraph 1.03 Description of Work, A.

REPLACE with the following:

- A. The equipment provided under this section shall be furnished by the Power System Integrator and installed by the electrical contractor. Work under this section shall provide fully integrated and coordinated to provide complete and operable power system for this *water treatment plant*. Work and equipment shall be provided as part of a single package shall include the following sections:
1. *Section 26 05 73 - Power System Studies*
 2. *Section 26 05 75 – Electrical Systems Analysis*
 3. *Section 26 05 95.14 – Low Resistance Ground (LGR)*
 4. *Section 26 13 02 – Medium Voltage Metal-Enclosed Switchgear with Arc Quencher Provisions*
 5. *Section 26 18 23 – Medium-Voltage Surge Arrestors*
 6. *Section 26 90 00.01 - Power system Integrator*
 7. Section 26 90 10 - Control Panel Construction (Partial)
 8. Section 26 90 11 - Control Panel Components (Partial)
 9. Section 26 90 30 - Programmable Logic Controllers (Partial)
 10. Section 26 90 31 - Human-Machine Interface Equipment (Partial)
 11. Section 26 90 60 - Ethernet Networking Equipment (Partial)

Paragraph 1.03 Description of Work, C.

REPLACE with the following:

- C. *Section 26 90 00.01 – Power System Integrator*. The *Power System Integrator* shall engage the acceptance testing and startup services of the field engineering service division of a major electrical distribution equipment manufacturer which maintains division-wide recognized specialized testing capabilities for the purpose of performing tests as herein specified.

END OF ADDENDUM

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS
1	CONTRACT ADMINISTRATION	1	LS
2	POWER SYSTEM AND COORDINATION STUDY	1	LS
3	910-SB-1 & 910-SB1-ACP-1	1	LS
4	940-SB-2, <u>940-SB-3</u> , <u>940-SB-4A</u> & <u>940-SB-4B</u>	1	LS
5	NGR	2	EA
6	940-PSLCP-1	1	LS
7	125VDC APPLIANCE PANEL AND DC UPS SYSTEM	1	EA
8	FIELD SERVICES, COORDINATION VERIFICATION, START-UP, TESTING, COMMISSIONING AND TRAINING	1	LS