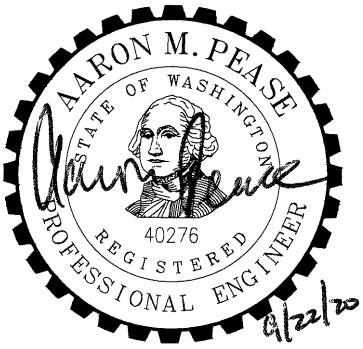
ADDENDUM 4
TO THE CONTRACT PROVISIONS AND CONTRACT PLANS

FOR

CITY OF SOUTH BEND
WATER TREATMENT PLAN UPGRADE AND EXPANSION

G&O #15286



ISSUED THIS DATE: **TUESDAY, SEPTEMBER 22, 2020**

BID OPENING: **11:00 AM (LOCAL TIME) ON WEDNESDAY SEPTEMBER 23, 2020 CITY OF SOUTH BEND 1102 WEST 1st STREET SOUTH BEND, WASHINGTON, 98586**

Bidder shall acknowledge receipt of this Addendum on Page 1 of the Bid Form.

TO PROSPECTIVE BIDDERS:

The attention of all prospective bidders on the above project is directed to the following additions and modifications to the Contract Provisions and Contract Plans.

I. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE TECHNICAL SPECIFICATIONS

ITEM 1:

Page 16230-5, Specification Section 16230-1.5. A,

REVISE the paragraph A as shown below (added text is italicized, deleted text is shown as strike out):

> "Engineering calculations indicate a standby power output rating requirement of 450 kW at 80 percent power factor at 480/277 volts, 3 phase, 60 hertz while operating under the site conditions listed in Part 1.8 of this Section in an ambient temperature range of 0 to 104 degrees F at less than 90 percent rated capacity. The manufacturer shall calculate generator unit size according to the following bus rated loads and starting steps. *Design is based on equipment by Cummins Power Generation as provided by Cummins Northwest, if another Manufacturer is selected the Contractor shall be responsible for any and all additional costs associated with the alternate manufacturer's installation and its connection to the system.*"

ITEM 2:

Page 16230-5, Specification Section 16230-1.5, PERFORMANCE REQUIREMENTS

Under Subsection A., **DELETE** the table that was revised in Addendum 2 and **REPLACE** with the following:

Step No./ Device No.	Device Description	Motor Code	Load HP	Load KVA	Starter Type (No. of pulses VFD only)
Step 1					
01 HTU 641	HVAC, 26kW	---	-----	26.0	-----
01 UH 01	HVAC, 10kW	---	-----	10.0	-----
01 UH 02	HVAC, 10kW	---	-----	10.0	-----
01 UH 03	HVAC, 10kW	---	-----	10.0	-----
01 UH 04	HVAC, 10kW	---	-----	10.0	-----
01 UH 05	HVAC, 10kW	---	-----	10.0	-----
01 UH 06	HVAC, 10kW	---	-----	10.0	-----
01 UH 07	HVAC, 10kW	---	-----	10.0	-----
01 UH 08	HVAC, 10kW	---	-----	10.0	-----
01 XFMR 01	Transformer, Step Down	---	-----	36.0	-----
TR-LPA	Transformer, Step Down Panelboard LPA	---	-----	36.0	-----
Step 2					
01 EDV 692	Valve	H	1	1.7	FVNR
01 EMV 693	Valve	H	1	1.7	FVNR
01 EMV 717	Valve	H	1	1.7	FVNR
01 MTR 112	Motor, Raw Water	H	25	27.1	VFD 6PLS
01 MTR 641	Motor, CIP Pump	H	20	21.5	FVNR
01 MTR 691	Motor, BackWash Recirc Pump	H	1	1.7	FVNR
01 MTR 711	Motor, Finished Water	H	75	76.5	VFD 6PLS
01 MTR 911	Motor, NEUTRALIZATION RECIRCULATION CENTRIFUGAL PUMPS	H	10	11.2	FVNR
01 MTR 912	Motor, NEUTRALIZATION RECIRCULATION CENTRIFUGAL PUMPS	H	10	11.2	FVNR
01 OSG 854	On-Site, Sodium Hypochlorite Generator	---	-----	6.0	-----
01 VCP 100	Unknown, 5kVA	---	-----	5.0	-----
01 VF 01	Motor	H	1.5	2.4	FVNR
01 VF 02	Motor	H	1	1.7	FVNR

Step No./ Device No.	Device Description	Motor Code	Load HP	Load KVA	Starter Type (No. of pulses VFD only)
Step 3					
01 ACU 651	Air Compressor, Motor 1	H	10	11.2	FVNR
01 MTR 113	Motor, Raw Water	H	25	27.1	VFD 6PLS
01 MTR 712	Motor, Finished Water	H	75	76.5	VFD 6PLS
Step 4					
01 ACU 652	Air Compressor, Motor 2	H	10	11.2	FVNR

II. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE CONTRACT PLANS

ITEM 1:

SHEET E-3, ELECTRICAL SITE PLAN

ADD conduit call out "P0105C" under conduit callouts 'P0105A', and 'P0105B' shown between the automatic transfer switch [01 ATS 01] and the generator circuit breaker [01 GCB 01].

ITEM 2:

SHEET E-4, EXISTING ONELINE DIAGRAM

Detail 2, **ADD** conduit call out "P0105C" under conduit callouts 'P0105A', and 'P0105B' shown between the automatic transfer switch [01 ATS 01] and the generator circuit breaker [01 GCB 01].

ITEM 3:

SHEET E-7, ONELINE DIAGRAM

REVISE the ampacity for generator circuit breakers [01 GCB 01, 02] from "600 A" to "800 A"

ITEM 4:

SHEET EC-1, CABLE AND CONDUIT SCHEDULE

Conduit P0105A: **CHANGE** conduit P0105A's CONDUCTORS from "3X #350 KCM XHHW-2; 1X #1/0 AWG XHHW-2 N; 1X #1 AWG XHHW-2 G" to the following:

> "3X #300 KCM XHHW-2; 1X #2/0 AWG XHHW-2 N; 1X #1/0 AWG XHHW-2 G"

Conduit P0105B: **CHANGE** conduit P0105B's CONDUCTORS from "3X #350 KCM XHHW-2; 1X #1/0 AWG XHHW-2 N; 1X #1 AWG XHHW-2 G" to the following:

> "3X #300 KCM XHHW-2; 1X #2/0 AWG XHHW-2 N; 1X #1/0 AWG XHHW-2 G"

ADD conduit P0105C SOURCE from "[01 ATS 01], AUTOMATIC TRANSFER SWITCH" to DESTINATION "[01 GCB 01], GENERATOR CIRCUIT BREAKER, PRIMARY" SIZED "3" with the CONDUCTORS "3X #300 KCM XHHW-2; 1X #2/0 AWG XHHW-2 N; 1X #1/0 AWG XHHW-2 G".

ITEM 5:

SHEET EC-2, CABLE AND CONDUIT SCHEDULE

Conduit S0115: **CHANGE** conduit S0115's CONDUCTORS from "6X #14 AWG XHHW-2; 1X 4-C, 2-TP, #18 AWG, IS/OS; 1X #12 AWG XHHW-2 G" to the following:

> "12X #14 AWG XHHW-2; 1X 4-C, 2-TP, #18 AWG, IS/OS; 1X #12 AWG XHHW-2 G"

Conduit S0115: **CHANGE** conduit S0115's SIZE from "1" to the following:

> "1-1/4"

Conduit S0115A: **CHANGE** conduit S0115A's CONDUCTORS from "6X #14 AWG XHHW-2; 1X 4-C, 2-TP, #18 AWG, IS/OS; 1X #12 AWG XHHW-2 G" to the following:

> "10X #14 AWG XHHW-2; 1X 4-C, 2-TP, #18 AWG, IS/OS; 1X #12 AWG XHHW-2 G"

Conduit S0115A: **CHANGE** conduit S0115A's SIZE from "1-1/4" to the following:

> "1"

ITEM 6:

SHEET E1-3, EAST TREATMENT PLANT UPGRADE AND EXPANSION

ADD conduit call out "P0105C" under conduit callouts 'P0105A', and 'P0105B' shown under the automatic transfer switch [01 ATS 01].