



City of San Leandro

Meeting Date: July 16, 2018

Staff Report

File Number: 18-363 **Agenda Section:** CONSENT CALENDAR

Agenda Number: 8.U.

TO: City Council

FROM: Jeff Kay
Acting City Manager

BY: Debbie Pollart
Public Works Director

FINANCE REVIEW: David Baum
Finance Director

TITLE: Staff Report for a Resolution Authorizing the City Manager to Execute Amendment No. 1 to the Non-Professional Services Agreement with ACCO Engineered Systems to Add Services in the Amount of \$105,727.31 for the Main Library Boiler Replacement Project

SUMMARY AND RECOMMENDATIONS

Staff recommends that the City Council authorize the City Manager to approve Amendment No. 1 to a Non-Professional Services Agreement with ACCO Engineered Systems to add services in the amount of \$105,727.31, a 46% increase, as part of the Main Library Boiler Replacement Project for a total cost of \$334,639.87.

BACKGROUND

On December 18, 2017, City Council approved a Non-Professional Services Agreement with ACCO Engineered Systems to replace the boilers at the Main Library in the amount of \$228,912.56.

The project is a straightforward equipment installation with no design work. Staff chose to streamline procurement using a cooperative purchasing contract through the National Joint Powers Alliance (NJPA) using a project delivery method called Job Order Contracting (JOC). JOC is a competitively bid, fixed price, multi-year construction contract based on published unit prices. The unit prices are used to price construction tasks associated with the scope of work. The process conforms to the California Government Code and Joint Exercise of Powers Act (Government Code 6500) and satisfies the City's purchasing requirements. ACCO Engineered Systems was selected from the NJPA's pool of qualified contractors and provided a detailed cost proposal using Gordian's ezIQC tool.

A purchase order was issued on February 23, 2018 and design work has begun for the boiler replacement project.

Analysis

On July 2, 2018, ACCO Engineered Systems provided a modified work order with a cost proposal in the amount of \$105,727.31 to install a motorized minimum flow bypass loop as required by the boiler manufacturer, to remove existing ceiling mounted heating hot water pumps, and to provide new base mounted pumps. The existing hot water pumps are in a location that is precarious and potentially unsafe for staff to perform maintenance work.

The cost proposal for the modified work order, as prepared using the eziQC tool, is attached as Exhibit B to Amendment No. 1 to the Agreement.

Previous Actions

Resolution 2017-175 to Authorize the City Manager to Execute a Non-Professional Services Agreement with ACCO Engineered Systems for replacement of boilers at the Main Library for \$228,912.56.

Fiscal Impacts and Budget Authority

This Facilities Maintenance Fund project will cost an additional \$105,727.31 and will be charged to account 687-18-007-5242 in the fiscal year 2018-19 adopted budget. Total cost of this project increased from \$228,912.56 to \$334,639.87, a 46% increase over original appropriation.

ATTACHMENT(S)

Attachment(s) to Related Legislative File

- Amendment No. 1 to Non-Professional Services Agreement between the City of San Leandro and ACCO Engineered Systems for Main Library Boiler Replacement Project

PREPARED BY: Jennifer Auletta, Deputy Public Works Director



City of San Leandro

Meeting Date: July 16, 2018

Resolution - Council

File Number: 18-362

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TO: City Council

FROM: Jeff Kay
Acting City Manager

BY: Debbie Pollart
Public Works Director

FINANCE REVIEW: David Baum
Finance Director

TITLE: RESOLUTION to Authorize the City Manager to Execute Amendment No. 1 to the Non-Professional Services Agreement with ACCO Engineered Systems to Add Services in the Amount of \$105,727.31 for the Main Library Boiler Replacement Project

WHEREAS, a draft amendment to the agreement between the City of San Leandro and ACCO Engineered Systems was presented to this City Council; and

WHEREAS, the City Council is familiar with the contents thereof; and

WHEREAS, the City Manager recommends approval of said amendment.

NOW, THEREFORE, the City Council of the City of San Leandro does RESOLVE as follows:

1. That said amendment to the agreement substantially in the form presented is hereby approved and execution by the City Manager is hereby authorized; and
2. That the City Manager is authorized to make non-substantial revisions to said agreement, subject to the approval of the City Attorney; and
3. That the City Manager is authorized to execute Amendment No. 1 to add services to the agreement that increase the price by \$105,727.31 for a total of \$334,639.87.
4. That an original executed Amendment No. 1 to the agreement shall be attached to and made a part of this resolution.

**AMENDMENT NO. 1 TO NON-PROFESSIONAL SERVICES AGREEMENT BETWEEN
THE CITY OF SAN LEANDRO AND
ACCO ENGINEERED SYSTEMS
FOR
MAIN LIBRARY BOILER REPLACEMENT PROJECT**

This **Amendment No. 1** ("Amendment") is made by and between the City of San Leandro ("City") and ACCO Engineered Systems ("Contractor") (together sometimes referred to as the "Parties") as of July 16, 2018, and amends that certain Non-Professional Services Agreement ("Agreement") dated December 18, 2017, between the Parties.

WHEREAS, City and Contractor have executed the Agreement, pursuant to which Contractor has provided certain services to City with regard to the Main Library boiler replacement project; and

WHEREAS, the Parties desire to amend the Agreement to add services to the project in amount of \$105,727.31.

NOW THEREFORE, for good and valuable consideration, the sufficiency of which is hereby acknowledged, the Parties hereby agree to amend the Agreement as follows:

1. Section 2 of the Agreement entitled "Compensation" is hereby amended to pay Contractor an additional sum not to exceed \$105,727.31 for a total of \$334,639.89; and
2. Exhibit A of the Agreement entitled "Scope of Services" is hereby amended to include additional services as attached.
3. Exhibit B of the Agreement entitled "Compensation Schedule & Reimbursable Expenses" is hereby amended to include additional services as attached.
4. All other terms shall remain in full force and effect.

This Amendment may be executed in multiple counterparts, each of which shall be an original and all of which together shall constitute one agreement.

SIGNATURES ON FOLLOWING PAGE

The Parties have executed this Amendment as of the date first written above. The persons whose signatures appear below certify that they are authorized to sign on behalf of the respective Party.

CITY OF SAN LEANDRO

ACCO ENGINEERED SYSTEMS

Jeff Kay, Interim City Manager

Rich Ferreira, Sales Manager

Attest:

Tamika Greenwood, City Clerk

Approved as to Fiscal Authority:

David Baum, Finance Director

687-18-007-5242
Account Number

Approved as to Form:

Richard D. Pio Roda, City Attorney

(2015)

June 24, 2018

Subject: City of San Leandro Library – Boiler Replacement Supplemental Scope of Work

DETAILED SCOPE OF WORK FOR CITY OF SAN LEANDRO LIBRARY

During final boiler retrofit design it was discovered that the existing boiler minimum flow bypass was originally installed incorrectly with the wrong components. It is not suitable for use with the new boilers and must be removed and replaced. Per the owners request I am proposing a modulating minimum flow bypass including a flow meter and motorized control valve. The owner has also asked me to include relocation of the heating hot water pumps from the ceiling to the floor for serviceability and safety purposes. The current pumps are an inline style and not suitable for base mounting. I have included new base mounted pumps and associated trim. Below is a breakdown of all equipment and services provided:

Mechanical Scope of Work:

Existing bypass valve piping, bypass valve hardware, ceiling mounted hot water pumps, hot water piping, electrical and insulation

- Demo
 - Mobilize job site.
 - Drain hot water loop and LOTO water / gas / electrical.
 - Demo and haul off of existing bypass valves, piping, insulation and electrical.
 - Demo and haul off existing heating hot water pumps, piping, insulation and electrical.

Replacement Pumps

- Furnish and install two (2) Bell and Gossett base mounted pumps:
 - Furnish and install (2) suction diffusers (if required).
 - Furnish and install new pump housekeeping pad.
 - Furnish and install (1) flow meter.
 - Furnish and install (1) motorized flow control valve.
 - Furnish and install communication wiring between the flow meter and control valve (devices will include local control. BAS integration is excluded but available as a separate job order).
 - Furnish and install new pipe insulation.
 - Furnish and install all necessary hot water pipe / hangers / fittings and insulation.

Electrical

- Furnish and install the following electrical:
 - Furnish and install new electrical components to pumps / flow meter and control valve as necessary.

Start Up

- Refill hot water loop and Start / Test / Balance of the pumps.
 - Refill hot water loop.

- Perform pressure test.
- Add closed loop chemicals.
- Water balance the pumps.
- Program and commission flow meter and flow control valve.
- Demobilize the job site.

Other Services Provided

- Engineering, Installation Drawings and O & M Documentation.
- 12 month warranty on labor from date of beneficial use.
- Manufacturer's standard warranty on equipment and material.

General Provisions and Clarifications

- All work to be performed during normal working hours.
- Abatement, if found, is not included in the above scope of work.
- Tie in and programming of existing building automation system is not included in this proposal but those services can be provided under a separate job order if desired by the customer.
- Any items not specifically listed above are excluded.
- Proposal is valid 90 days from proposal date.
- ACCO will not be responsible for any pre-existing conditions which are not currently in compliance with local mechanical and electrical codes.

Sincerely,
Tony Fini



Project Manager
ACCO Engineered Systems
tfini@accoservice.com
650-892-5014



Work Order Signature Document

NJPA EZIQc Contract No.: CA-H08B-082013-AES

New Work Order **Modify an Existing Work Order**

Work Order Number.: 049724.01 Work Order Date: 07/02/2018

Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

Owner Name: City of San Leandro - Facilities Contractor Name: ACCO Engineered Systems

Contact: Gary Sclafani Contact: Andy Lufkin

Phone: 510-421-2108 Phone:

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of NJPA EZIQc Contract No CA-H08B-082013-AES.

Brief Work Order Description:

Main Library. Remove and replace (2) 650,000 BTU Boilers and associated piping. Rigging will be necessary. Request Joint Scope Meetings week of 5th through 9 June if possible. Have approval from purchasing and city attorney to pursue NJPA contracting based on presentation and follow up by Paul Burns.

Time of Performance Estimated Start Date:
Estimated Completion Date:

Liquidated Damages Will apply: Will not apply:

Work Order Firm Fixed Price: \$105,727.31

Owner Purchase Order Number:

Approvals

Owner Date

Contractor Date



Detailed Scope of Work

To: Andy Lufkin
 ACCO Engineered Systems
 FILE# 18246/81286
 Glendale, CA 92101
 No Data Input

From: Gary Sclafani
 City of San Leandro - Facilities
 835 East 14th Street
 San Leandro, CA 94557
 510-421-2108

Date Printed: July 02, 2018

Work Order Number: 049724.01

Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

Brief Scope: Main Library. Remove and replace (2) 650,000 BTU Boilers and associated piping. Rigging will be necessary. Request Joint Scope Meetings week of 5th through 9 June if possible. Have approval from purchasing and city attorney to pursue NJPA contracting based on presentation and follow up by Paul Burns.

Preliminary

Revised

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

See attached DSOW

Subject to the terms and conditions of JOC Contract **CA-H08B-082013-AES**.

 Contractor Date

 Owner Date

Contractor's Price Proposal - Summary

Date: July 02, 2018
Re: IQC Master Contract #: CA-H08B-082013-AES
 Work Order #: 049724.01
 Owner PO #:
 Title: San Leandro Library Boiler Additional Scope Supplemental
 Contractor: ACCO Engineered Systems
 Proposal Value: \$105,727.31

01 - General Requirements	\$40,871.16
02 - Site Work	\$5,230.64
03 - Concrete	\$5,214.32
05 - Metals	\$2,042.18
22 - Plumbing	\$5,405.09
23 - Heating, Ventilating, And Air-Conditioning (HVAC)	\$31,033.45
26 - Electrical	\$3,730.36
27 - Communications	\$2,254.51
31 - Earthwork	\$9,945.60
Proposal Total	\$105,727.31

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

Contractor's Price Proposal - Detail

Date: July 02, 2018

Re: IQC Master Contract #: CA-H08B-082013-AES
 Work Order #: 049724.01
 Owner PO #:
 Title: San Leandro Library Boiler Additional Scope Supplemental
 Contractor: ACCO Engineered Systems
 Proposal Value: \$105,727.31

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
01 - General Requirements					
1	01 22 16 00 0002		EA	Reimbursable Fees Reimbursable fees will be paid to the contractor for the actual cost, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reimbursable Fee is \$1.00. The quantity used will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reimbursable Fees (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.	\$2,628.67
			Installation	Quantity 2,114.44 x Unit Price 1.00 x Factor 1.2432 = Total 2,628.67	
				P&P Bonds per EZIQC general conditions \$105,727.31 @ 2% = 2114.44	
2	01 22 20 00 0036		HR	Steam / Pipe Fitter Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,112.76
			Installation	Quantity 12.00 x Unit Price 74.59 x Factor 1.2432 = Total 1,112.76	
				UA personnel to attend building inspections / 3rd party special inspections as required by the city building department. 3 visits at 4 hours each included.	
3	01 22 20 00 0036		HR	Steam / Pipe Fitter Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,483.68
			Installation	Quantity 16.00 x Unit Price 74.59 x Factor 1.2432 = Total 1,483.68	
				On site personnel to field detail the final installation design for fabrication based on the issue for permit drawings	
4	01 22 20 00 0036 0004		MOD	For Foreman, Add	\$74.19
			Installation	Quantity 16.00 x Unit Price 3.73 x Factor 1.2432 = Total 74.19	
5	01 22 20 00 0050		HR	Senior Engineer Or Specialty Consultant Engineering services by prime contractor to develop project-specific construction drawings and specifications.	\$6,713.28
			Installation	Quantity 36.00 x Unit Price 150.00 x Factor 1.2432 = Total 6,713.28	
				Electrical Engineer per owners request. Hours include (2) site visits. Office staff hours to support the plans. 2 workers 18 hours each of site visits, cad / design work.	
6	01 22 20 00 0050		HR	Senior Engineer Or Specialty Consultant Engineering services by prime contractor to develop project-specific construction drawings and specifications.	\$3,729.60
			Installation	Quantity 20.00 x Unit Price 150.00 x Factor 1.2432 = Total 3,729.60	
				Specialty Consultant to develop city planning required seismic isolation calculations for plan check, permitting and inspection. 20 hours allotted for design work.	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 049724.01
Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

02 - Site Work

15	02 41 13 13 0038	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving						\$384.30	
		Installation	Quantity	Unit Price	Factor	=	Total			
			48.00	6.44	1.2432		384.30			
			x	x						
			Breaking of existing concrete to prepare for new housekeeping pad pour.							
16	02 41 19 13 0019	EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.						\$853.20	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	686.29	1.2432		853.20			
			x	x						
			Saw cutting to facilitate demo							
17	02 41 19 13 0201	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth						\$584.80	
		Installation	Quantity	Unit Price	Factor	=	Total			
			240.00	1.96	1.2432		584.80			
			x	x						
			Drilling of dowel rods to 6" embedment							
18	02 85 00 00 0004	LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal						\$1,395.87	
		Installation	Quantity	Unit Price	Factor	=	Total			
			40.00	28.07	1.2432		1,395.86			
			x	x						
			Removal and disposal of existing pipe insulation / insulators							
19	02 90 50 00 0327	GAL	Lubricant, Preserver (Heavy)						\$28.02	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	22.54	1.2432		28.02			
			x	x						
			Grooved fitting gasket lubricant							

Subtotal for 02 - Site Work **\$5,230.64**

03 - Concrete

20	03 21 11 00 0004	TON	Grade 50 Reinforcing Steel, Footings And Slabs, #3-#6						\$2,894.21	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	2,328.03	1.2432		2,894.21			
			x	x						
			Rebar reinforcement of new pump housekeeping pad							
21	03 21 11 00 0040	EA	Dowels Or Hairpin, 1/2" x 36" L, Drilled And Epoxy In Concrete, >6" To 12" Embedment						\$820.51	
		Installation	Quantity	Unit Price	Factor	=	Total			
			40.00	16.50	1.2432		820.51			
			x	x						
			Housekeeping pad dowel rods to existing foundation							
22	03 31 13 00 0022	CF	Hand Mix And Place ConcreteFor use where conventional equipment access is limited or when directed by the owner.						\$1,499.60	
		Installation	Quantity	Unit Price	Factor	=	Total			
			48.00	25.13	1.2432		1,499.60			
			x	x						
			Concrete mixed and poured in place for new housekeeping pad.							

Subtotal for 03 - Concrete **\$5,214.32**

05 - Metals

23	05 05 23 00 0703	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors						\$39.38	
		Installation	Quantity	Unit Price	Factor	=	Total			
			12.00	2.64	1.2432		39.38			
			x	x						
			Concrete anchors for pump mounting							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 049724.01

Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

05 - Metals

24	05 43 00 00 0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel				\$1,071.64
			Quantity	Unit Price	Factor	Total	
		Installation	100.00 x	7.70 x	1.2432 =	957.26	
		Demolition	50.00 x	1.84 x	1.2432 =	114.37	
		Unistrut for mounting of equipment and piping.					
25	05 43 00 00 0017	EA	5/8-11 Lock Nut With Spring For Unistrut Channel				\$931.16
			Quantity	Unit Price	Factor	Total	
		Installation	100.00 x	7.49 x	1.2432 =	931.16	
		Unistrut nuts					

Subtotal for 05 - Metals**\$2,042.18****22 - Plumbing**

26	22 05 19 00 0026	EA	6" Diameter, 0-2000 GPM Horizontal Turbine Meter, Flanged				\$4,169.10
			Quantity	Unit Price	Factor	Total	
		Installation	1.00 x	3,353.52 x	1.2432 =	4,169.10	
		Final line size TBD. Due to manufacturer pipe diameter restrictions a magnetic may be required in lieu of the turbine. TBD					
27	22 07 19 00 0052	LF	4" Diameter Pipe, 2" Thick Fiberglass Insulation				\$1,068.16
			Quantity	Unit Price	Factor	Total	
		Installation	60.00 x	14.32 x	1.2432 =	1,068.16	
		New hot water piping insulation					
28	22 07 19 00 0052 0028	MOD	For Work In Restricted Working Space, Add				\$167.83
			Quantity	Unit Price	Factor	Total	
		Installation	60.00 x	2.25 x	1.2432 =	167.83	

Subtotal for 22 - Plumbing**\$5,405.09****23 - Heating, Ventilating, And Air-Conditioning (HVAC)**

29	23 01 20 00 0003	EA	>1" To 3", Lock Out/Tag Out Valve				\$224.47
			Quantity	Unit Price	Factor	Total	
		Installation	8.00 x	22.57 x	1.2432 =	224.47	
		Lock out valves as necessary					
30	23 05 13 00 0222	EA	3 HP Motor Mounting				\$421.27
			Quantity	Unit Price	Factor	Total	
		Installation	2.00 x	169.43 x	1.2432 =	421.27	
		Anchoring Pump Motor to Housekeeping Pad					
31	23 05 23 00 0488	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG				\$1,683.74
			Quantity	Unit Price	Factor	Total	
		Installation	2.00 x	524.44 x	1.2432 =	1,303.97	
		Demolition	2.00 x	152.74 x	1.2432 =	379.77	
		Balance valves. Final selection TBD based on engineered issue for permit set.					
32	23 05 23 00 0490	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG				\$1,283.54
			Quantity	Unit Price	Factor	Total	
		Installation	1.00 x	1,032.45 x	1.2432 =	1,283.54	
		Motorized flow control valve for boiler minimum flow protection. Final device TBD based on design.					

Contractor's Price Proposal - Detail Continues..

Work Order Number: 049724.01

Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

23 - Heating, Ventilating, And Air-Conditioning (HVAC)

33	23 05 29 00 0695	EA	4" Diameter Pipe, 1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate						\$108.16	
			Installation	Quantity	Unit Price	Factor	=	Total		
				10.00	8.70	1.2432	=	108.16		
			Piping Calcium Shields							
34	23 05 29 00 0848	EA	3" Clevis Hanger Assembly For Uninsulated PipeIncludes hanger, rod, nuts, washers and clamp.						\$811.96	
			Installation	Quantity	Unit Price	Factor	=	Total		
				10.00	45.64	1.3412	=	612.12		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				10.00	14.90	1.3412	=	199.84		
			Pipe hanger assemblies for pump relocations and by pass installation.							
35	23 05 29 00 0848 0121		For Work In Restricted Working Space, Add						\$120.57	
			Installation	Quantity	Unit Price	Factor	=	Total		
				10.00	8.99	1.3412	=	120.57		
36	23 05 93 00 0037	EA	Water Balance, Pumps						\$557.70	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	207.91	1.3412	=	557.70		
			Water balance of new pumps							
37	23 09 23 00 0098	HR	EMCS System Software Programming And Graphics Programming						\$2,553.28	
			Installation	Quantity	Unit Price	Factor	=	Total		
				12.00	171.15	1.2432	=	2,553.28		
			Programming technician to integrate flow meter and flow control valve to operate in local control. Flow meter to have BMS capability but building integration is excluded.							
38	23 09 23 00 0392	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)						\$1,922.63	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	1,546.52	1.2432	=	1,922.63		
			Commission flow meter and motorized flow control valve.							
39	23 09 23 00 0703	EA	4" 3-Way Bronze Globe Valve (Belimo G7100+2*GMX24-MFTX1)						\$2,938.19	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	2,049.59	1.3412	=	2,748.91		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				1.00	141.13	1.3412	=	189.28		
			New flow control valve for minimum flow bypass required by boilers							
40	23 21 13 23 1088	LF	4" Black Schedule 40 Grooved Pipe						\$2,210.16	
			Installation	Quantity	Unit Price	Factor	=	Total		
				30.00	38.58	1.3412	=	1,552.30		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				30.00	16.35	1.3412	=	657.86		
			Piping required to relocate pumps from ceiling to ground level housekeeping pad							
41	23 21 13 23 1221	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved						\$1,781.92	
			Installation	Quantity	Unit Price	Factor	=	Total		
				10.00	132.86	1.3412	=	1,781.92		
			Grooved elbows for pump relocation piping							
42	23 21 13 23 1236	EA	4" Tee, Ductile Iron, Grooved						\$1,036.80	
			Installation	Quantity	Unit Price	Factor	=	Total		
				4.00	149.97	1.3412	=	804.56		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				4.00	43.29	1.3412	=	232.24		
			Demo an install of piping tees							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 049724.01
Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

23 - Heating, Ventilating, And Air-Conditioning (HVAC)

43	23 21 13 23 1540	EA	4" Standard Coupling, Grooved						\$2,661.48
			Quantity	Unit Price	Factor	=	Total		
		Installation	20.00 x	84.54 x	1.3412	=	2,267.70		
		Demolition	20.00 x	14.68 x	1.3412	=	393.78		
		Grooved coupling required for joining piping / fittings							
44	23 21 13 23 1720	EA	Roll 4" Groove						\$1,031.65
			Quantity	Unit Price	Factor	=	Total		
		Installation	60.00 x	12.82 x	1.3412	=	1,031.65		
		On site roll grooving of pipe.							
45	23 21 16 00 0091	EA	3" x 3" Flanged Cast Iron Suction Diffuser						\$1,949.65
			Quantity	Unit Price	Factor	=	Total		
		Installation	2.00 x	726.83 x	1.3412	=	1,949.65		
		Suction Diffusers required for new pumps							
46	23 21 23 16 0051	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)						\$7,736.28
			Quantity	Unit Price	Factor	=	Total		
		Installation	2.00 x	2,676.19 x	1.3412	=	7,178.61		
		Demolition	2.00 x	207.90 x	1.3412	=	557.67		
		New Base mounted pumps - final pump selection TBD based on final design							

Subtotal for 23 - Heating, Ventilating, And Air-Conditioning (HVAC) \$31,033.45

26 - Electrical

47	26 01 20 00 0003	EA	Lock Out/Tag Out Breaker Or Motor Starter						\$130.69
			Quantity	Unit Price	Factor	=	Total		
		Installation	4.00 x	24.36 x	1.3412	=	130.69		
		Lock out electrical circuits being serviced							
48	26 01 20 00 0004	EA	Lock Out/Tag Out Tags						\$58.74
			Quantity	Unit Price	Factor	=	Total		
		Installation	20.00 x	2.19 x	1.3412	=	58.74		
		LOTO Tags							
49	26 05 29 00 0172	EA	1-1/2" Diameter, EMT Conduit Clamp For Unistrut Channel						\$590.13
			Quantity	Unit Price	Factor	=	Total		
		Installation	100.00 x	4.40 x	1.3412	=	590.13		
		Unistrut clamps for piping and electrical.							
50	26 05 33 13 0016	CLF	1" EMT With 4 #12 THHN/THWN AssemblyIncludes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						\$2,660.32
			Quantity	Unit Price	Factor	=	Total		
		Installation	2.00 x	704.82 x	1.3412	=	1,890.61		
		Demolition	2.00 x	286.95 x	1.3412	=	769.71		
		New electrical as necessary for 2 pumps, 1 flow meter and one motorized control valve							
51	26 05 83 00 0149	EA	7-1/2 HP AC Motor Three Phase, 230 V Motor/Equipment, Connection, Termination And Rotation Testing						\$290.48
			Quantity	Unit Price	Factor	=	Total		
		Installation	2.00 x	75.76 x	1.3412	=	203.22		
		Demolition	2.00 x	32.53 x	1.3412	=	87.26		
		New pump service disconnects and interconnecting wiring and hardware.							

Subtotal for 26 - Electrical \$3,730.36

27 - Communications

Contractor's Price Proposal - Detail Continues..

Work Order Number: 049724.01

Work Order Title: San Leandro Library Boiler Additional Scope Supplemental

27 - Communications

52	27	14	13	16	0004	MLF	1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable								\$2,254.51	
						Installation	Quantity	Unit Price	Factor	=	Total					
							1.00	1,813.47	1.2432	=	2,254.51					
							Comm wire and conduit required for flow meter and motorized control valve									

Subtotal for 27 - Communications**\$2,254.51****31 - Earthwork**

53	31	32	36	00	0045	EA	Mobilization / Demobilization Less than 50 miles								\$2,486.40	
						Installation	Quantity	Unit Price	Factor	=	Total					
							1.00	2,000.00	1.2432	=	2,486.40					
							Mobilization of drilling / rebar contractor									
54	31	32	36	00	0045	EA	Mobilization / Demobilization Less than 50 miles								\$2,486.40	
						Installation	Quantity	Unit Price	Factor	=	Total					
							1.00	2,000.00	1.2432	=	2,486.40					
							Mobilization of insulating contractor									
55	31	32	36	00	0045	EA	Mobilization / Demobilization Less than 50 miles								\$2,486.40	
						Installation	Quantity	Unit Price	Factor	=	Total					
							1.00	2,000.00	1.2432	=	2,486.40					
							Mobilization of electrical contractor									
56	31	32	36	00	0045	EA	Mobilization / Demobilization Less than 50 miles								\$2,486.40	
						Installation	Quantity	Unit Price	Factor	=	Total					
							1.00	2,000.00	1.2432	=	2,486.40					
							Mobilization of concrete sub contractor. 2 mobilizations included (1) demo & (1) install of concrete									

Subtotal for 31 - Earthwork**\$9,945.60****Proposal Total****\$105,727.31**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.



Subcontractor Listing

Date: July 02, 2018

Re: IQC Master Contract #: CA-H08B-082013-AES
 Work Order #: 049724.01
 Owner PO #:
 Title: San Leandro Library Boiler Additional Scope Supplemental
 Contractor: ACCO Engineered Systems
 Proposal Value: \$105,727.31

Name of Contractor	Duties	Amount	%
No Subcontractors have been selected for this Work Order		\$0.00	0.00