



**CITY OF LAS VEGAS**  
 1700 North Grand Avenue  
 Las Vegas, New Mexico 87701  
 Phone: (505) 454-1401 Fax: (505) 454-8027

# PURCHASE ORDER

**PO Number:** 231784

**Date:** 06/02/2023

**Request #:** 302483

**Vendor #:** 06940

**ISSUED TO:** BOHANNAN HUSTON INC.  
 7500 JEFFERSON ST.NE  
 ALBUQUERQUE, NM 87109-

**SHIP TO:** City of Las Vegas  
 Attn:Water Treatment Plant  
 385 NM 65  
 Las Vegas, NM 87701

**Vendor Fax #:** (505) 798-7988

ITEM	UNITS	DESCRIPTION	PRICE	PROJ	GL ACCOUNT NUMBER	AMOUNT
1	0	CONSTRUCTION DESIGN PHASE SERVICES PRIORITY \$47828.56 REDESIGN \$32,284.73 13-1-127	0.00		646-0000-650-8800	72,773.48

DEPARTMENT ORDER

Approved By: \_\_\_\_\_

Date: 6/5/23

<b>SUBTOTAL:</b>	72,773.48
<b>TAX:</b>	0.00
<b>SHIPPING:</b>	0.00
<b>TOTAL</b>	72,773.48

1. Original invoice plus one copy must be sent to: City of Las Vegas, 1700 North Grand Avenue, Las Vegas, NM 87701.
2. Payment may be expected within 30 days of receipt of goods, unless otherwise stated.
3. C.O.D. shipment will not be accepted.
4. Purchase Order numbers must appear on all shipping containers, packing slips and invoices. Failure to comply with the above request may delay payment.
5. All goods are to be shipped F.O.B. Destination unless otherwise stated.
6. All materials and services are subject to approval based on the description on the face of the purchase order or appendages thereof. Substitutions are not permitted without approval of the Requesting Department. Material not approved will be returned at no cost to the City.
7. All goods and equipment must meet or exceed all necessary city, state and federal standards and regulations.
8. Vendor or manufacturer bears risk of loss or damage until property received and/or installed.
9. Seller acknowledges that the buyer is an equal opportunity employer. Seller will comply with all equal opportunity laws and regulations that are applicable to it as a supplier of the buyer.
10. The City is exempt from all federal excise and state tax – ID# 85-6000149

**Finance Dept. (505) 454-1401 FAX (505) 454-8027**

STATE OF NEW MEXICO  
EMERGENCY DETERMINATION FORM

The emergency procurement method (NMSA 1978, Section 13-1-127) may only be used when there exists a threat to public health, welfare, safety or property requiring procurement under emergency conditions. The existence of the emergency condition creates an immediate and serious need for services, construction or items of tangible personal property that cannot be met through normal procurement methods and the lack of which would seriously threaten:

1. the functioning of government;
2. the preservation or protection of property; or
3. the health or safety of any person.

I. Name of Agency: **City of Las Vegas**

Agency Chief Procurement Officer: *Helen Vigil*

Telephone Number: *505-454-1401*

II. Name of Contractor: Bohannon Huston

Address of Contractor:

*7500 Jefferson St NE Albuquerque NM 87109*

Amount of prospective contract: \$72,773.48

Term of prospective contract: Until contract from the RFP is in place

III. Please thoroughly list the services (scope of work), construction or items of tangible personal property of the contract:

*Supervisory Control Data Acquisition Priority Only Elements task (10453).*

*See attached contract and amendment with all services.*

IV. Provide an explanation for the justification of the procurement including a description of the emergency condition(s) requiring use of emergency procurement and the practicable competition utilized in compliance with NMSA 1978, Section 13-1-127.

*SCADA project was in progress when current contract that was procured under RFP was determined to be invalid. Need to continue with the scope of work in progress without delay for the health and safety of the community by the addition of a direct monitoring and reporting system*

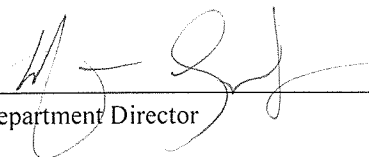
- V. Please describe what measures are being taken to minimize the duration and effect of this particular emergency procurement (for example: is the emergency only in place until a competitive process can be completed, etc.).

*We are awaiting on the RFP procurement process for future scope of work. Estimated time is 3 months.*

- VI. Describe what measures the Agency will take in the future to prevent/mitigate use of an emergency procurement under similar circumstances.

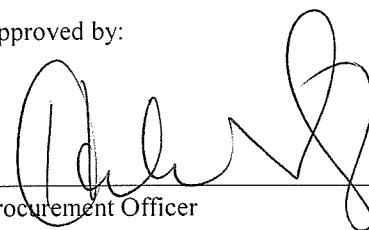
*Contracts are reviewed regularly and tracked for approved addendums well before contract expiration.*

Certified by:

  
\_\_\_\_\_  
Department Director

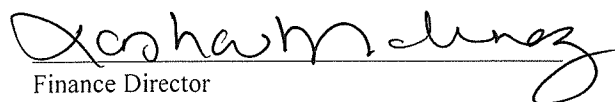
Date: 6/2/23

Approved by:

  
\_\_\_\_\_  
Procurement Officer

Date: 6/2/2023

Approved:

  
\_\_\_\_\_  
Finance Director

Date: 06-05 2023







Invoices for 20210453 Priority Only Elements

Date	Invoices/ Apps	Starting amount	pre GRT	Taxes - water	Total	Balance	PO 211406	PO 220339	PO 220950	PO 221246	PO 230339	PO 230453	AMEIND #2	Sum
4/12/2021	114173	\$1,275.00	\$1,275.00	\$ 105.98	\$ 1,380.98	\$ 182,344.09	\$ 115,050.00	\$ 98,803.13	\$ 7,960.97	\$ 19,116.30	\$ 98,803.13	\$ 47,828.56	PO 230922	\$ 1,380.98
5/7/2021	114452	\$6,150.00	\$6,150.00	\$ 511.22	\$ 6,661.22	\$ 174,301.89	\$ 6,661.22							\$ 6,661.22
6/4/2021	114775	\$7,575.00	\$7,575.00	\$ 629.67	\$ 8,204.67	\$ 166,097.22	\$ 8,204.67							\$ 8,204.67
8/5/2021	115518	\$14,205.00	\$14,205.00	\$ 1,180.79	\$ 15,385.79	\$ 150,711.43	\$ 15,385.79							\$ 15,385.79
9/3/2021	115944	\$14,870.00	\$14,870.00	\$ 1,236.07	\$ 16,106.07	\$ 134,605.36	\$ 16,106.07							\$ 16,106.07
10/11/2021	116316	\$5,475.00	\$5,475.00	\$ 455.11	\$ 5,930.11	\$ 128,675.25			\$ 5,930.11					\$ 5,930.11
1/7/2022	117476	\$7,825.00	\$7,825.00	\$ 650.45	\$ 8,475.45	\$ 120,199.80				\$ 2,721.35				\$ 8,475.45
2/7/2022	117878	\$2,512.50	\$2,512.50	\$ 208.85	\$ 2,721.35	\$ 117,478.45								\$ 2,721.35
3/7/2022	118277	\$7,737.50	\$7,737.50	\$ 643.18	\$ 8,380.68	\$ 109,097.77								\$ 8,380.68
4/11/2022	118682	\$2,425.00	\$2,425.00	\$ 201.58	\$ 2,626.58	\$ 106,471.19								\$ 2,626.58
5/11/2022	119108	\$2,600.00	\$2,600.00	\$ 216.13	\$ 2,816.13	\$ 103,655.06						\$ 2,816.13		\$ 2,816.13
6/6/2022	119436	\$3,900.00	\$3,900.00	\$ 324.19	\$ 4,224.19	\$ 99,430.88						\$ 4,224.19		\$ 4,224.19
11/4/2022	121477	\$1,484.00	\$1,484.00	\$ 121.50	\$ 1,605.50	\$ 97,825.37							\$ 1,605.50	\$ 1,605.50
12/12/2022	122028	\$7,476.00	\$7,476.00	\$ 612.10	\$ 8,088.10	\$ 89,737.28							\$ 8,088.10	\$ 8,088.10
1/6/2023	122310	\$6,720.00	\$6,720.00	\$ 550.20	\$ 7,270.20	\$ 82,467.08					\$ 7,270.20			\$ 7,270.20
2/3/2023	122815	\$11,200.00	\$11,200.00	\$ 917.00	\$ 12,117.00	\$ 70,350.08								\$ -
3/3/2023	123233	\$8,960.00	\$8,960.00	\$ 733.60	\$ 9,693.60	\$ 72,773.48							\$ 9,693.60	\$ 9,693.60
4/6/2023	123716	\$11,085.00	\$11,085.00	\$ 907.58	\$ 12,092.58	\$ 60,680.90								\$ -
5/5/2023	124092	\$6,375.00	\$6,375.00	\$ 521.95	\$ 6,896.95	\$ 53,783.95								\$ -
BALANCE					\$ 72,773.48		\$ 98,803.13	\$ 47,828.56	\$ 2,030.86	\$ 16,394.95	\$ 91,532.93	\$ 40,788.24	\$ 12,897.53	\$ -



November 16, 2022

Marvin Cordova  
City of Las Vegas  
1700 North Grand Avenue  
Las Vegas, NM 87701

Re: **City of Las Vegas SCADA– Amendment #2 for Design Revision – Ancillary Plant Facilities Allen-Bradley Migration**

Dear Mr. Cordova:

Within our initial discussion with my design team, there was confusion about my mandate that we focus on the Filter Building as the core of the project as the base bid, with only the SCADA outside link for remote access and notifications. I was not clear enough to them that we were not attempting to reduce the amount of work to reduce costs to come more in line with the limited funding which is what they understood me to say. So, in essence the effort and fee we showed in Amendment #1 was for a limited design modification to only include the Filter Building and a SCADA remote element to become based on an Allen-Bradley product family while the rest of the plant would remain on the existing Tesco units.

After further discussion with my design, I realized our error and I am sending this Amendment #2 to your attention that will include the remainder of the plant to also be designed to become Allen-Bradley, and they will be included as Bid Alternates and awarded as funding allows.

If acceptable, then please send your purchase order confirmation for my execution at the earliest available date. Thank you and we look forward to working with you on this project.

Sincerely,

A handwritten signature in blue ink that reads "Matthew R. Thompson".

Matthew R. Thompson  
Senior Vice President

MRT/rns  
Enclosure(s)

Engineering ▲

Spatial Data ▲

Advanced Technologies ▲



## **CONTRACT AMENDMENT #2**

BH Project #20210453

CLV Water Treatment Plant - SCADA System Integration Ancillary Plant Facilities

### SCOPE OF SERVICES

#### A. **ADDITIONAL WORK TASK DESCRIPTIONS**

##### **TASK 1 – Design Revision – Ancillary Plant Facilities Allen-Bradley Migration**

**Objective:** In coordinated discussions with the City of Las Vegas Utilities staff, BHI has been directed to change the existing Water Treatment Plant design specifications and drawings from Tesco brand programmable controllers to the more common Allen Bradley brand of programmable controllers for all plant ancillary facilities to be bid as bid alternates to be constructed as funding allows.

**Approach:** This task expands the design of the migration to Allen-Bradley for all plant facilities that will be included in bid alternate packages and shall be delivered with specific changes summarized as follows to be bid in this priority:

- A. General Site and Filter Building (This work is already included in Amendment #1 and shown for reference only as the **Base Bid**)
  1. **Base Bid:** Conduits and fiber optic network connection will be displayed connecting the new Filter Building controller, the Raw Water Intake Building controllers, and the Clear Well Building controllers.
  2. **Base Bid:** New Filter Building main control panel with Allen Bradley controller and panel mount computer with the SCADA application software installed.
  3. **Base Bid:** New local filter control panels for the four (4) filters, with hand switching and pilot light indicators for manual operation, and network connection to the Filter Building main control panel for automatic control.
  4. **Base Bid:** Detailed construction sequence specification to ensure continuous plant operation during control system modifications.
- B. Raw Water Intake Building (**Bid Alternate #1**)
  1. Display control elements from the existing Bradner intake tower controller on the plant SCADA system.
  2. New Raw Water Intake Building main control panel with Allen Bradley controller. This controller will be connected to and control the existing motorized valves within the Raw Water Intake Building on the Bradner intake pipe and the Pederson intake pipe. It will also monitor chemical injection systems.
  3. New Raw Water Intake Building Hypochlorite injection control panel with Allen Bradley controller.
- C. Clear Well Building (**Bid Alternate #2**)
  1. New Clearwell Building main control panel with Allen Bradley controller.
  2. New Clearwell Building Hypochlorite injection control panel with Allen Bradley controller.
  3. Full SCADA installation within demolished restroom as currently shown on Drawings.
- D. Pre-Treatment Clarifier Facility (**Bid Alternate #3**)
  1. New Allen Bradley controller to monitor equipment and instruments at the Pre-Treatment Facility.

#### **Deliverables:**

1. 95% Drawings, Specifications, and Cost Estimate for Owner review.
2. Final Stamped Design, with Owner's 95% review comments incorporated.



**B. SERVICE FEES**

Compensation for services of ENGINEER (including direct costs, markups and cost of subcontracted services) will be as outlined below. All amounts shown are exclusive of New Mexico Gross Receipts Tax.

Invoicing will be based on percent complete of task or cumulative completion of subtasks associated with the work under the task. All amounts shown below are lump sum (LS) except tasks indicated to be time and materials not-to-exceed (T&M NTE). Lump sum amounts shown include all direct costs, markups, and cost of subcontracted services associated with the task. Changes to these amounts will only be accomplished by written amendment to this scope and approved by the OWNER.

**DESIGN REVISION:**

<b>Task</b>	<b>Description</b>	<b>Type</b>	<b>Fee Amount</b>
1	Final Construction Documents Re-Design for Additional Ancillary Facilities	Lump Sum	\$23,600
<b><i>Design Phase Services Subtotal:</i></b>			<b><i>\$23,600</i></b>
<b><i>TOTAL PROJECT FEE (Exclusive of NMGR)</i></b>			<b><i><u>\$23,600</u></i></b>

# Bohannon Huston

## ENGINEERING SERVICES AGREEMENT AMENDMENT #2

Project: CLV SCADA System BHI Project No.: 20210453

Engineer: Bohannon-Huston, Inc.  
425 S. Telshor Blvd., Suite C-103  
Las Cruces, NM 88011-8237

Contract No.:  
Amendment No.: 2  
Date: November 16, 2022

Reason and Justification for Amendment: (use additional sheets, if necessary)

**Additional Services to include: Additional effort necessary to provide redesign services, and re-bidding services to modify the basis of design from a Tesco product to an Allen-Bradley product, including all ancillary plant facilities besides the Filter Building as funding allows.**

The Engineer is authorized to provide the following described services:  
See attached Scope of Work.

### FEE SCHEDULE MODIFICATION

Description	Original Contract Amount	Amendment #1 Modification	Amendment #2 Modification	Revised Contract Amount
001 - Project Management	\$7,500			\$7,500
002 - Data Acquisition and Survey Services	\$18,000			\$18,000
003 - 30% Preliminary Draft Design	\$14,300			\$14,300
004 - 60% Preliminary Draft Design	\$13,500			\$13,500
005 - 95% Final Draft and Final Design	\$16,750			\$16,750
006 - Bid Administration	\$6,500			\$6,500
007 - Construction Administration	\$20,000			\$20,000
008 - Construction Observation	\$18,500			\$18,500
009 - 100% Construction Documents Re-design		\$21,200	\$23,600	\$44,800
010 - Re-Bid Administration		\$8,500		\$8,500
<b>TOTAL</b>	<b>\$115,050.00</b>	<b>\$29,700</b>	<b>\$23,600</b>	<b>\$168,350.00</b>

All fees are exclusive of New Mexico Gross Receipts Tax.

### TIME SCHEDULE MODIFICATION

None

#### APPROVAL:

Engineer: Bohannon-Huston Inc.

Owner: City of Las Vegas

By: Diana Gomez

By: Res Maestas

Title: Vice President

Title: City Manager

Date: November 16, 2022

Date: 11/09/22