

CITY OF PEORIA, ARIZONA  
COUNCIL COMMUNICATIONS

CC: 110C  
Amend No. \_\_\_\_\_

Date prepared: February 24, 2009

Council Meeting Date: April 7, 2009

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**TO:** Carl Swenson, City Manager  
**FROM:** Stephen L. Bontrager, Utilities Director *Stephen L. Bontrager*  
**THROUGH:** Shawn V. Kreuzwiesner, Utilities Engineering Manager *Shawn V. Kreuzwiesner*  
**PREPARED BY:** Daniel Kiel, Associate Engineer *DK*  
**SUBJECT:** Approve Contract Amendment No. 1 with Quest Civil Constructors

**RECOMMENDATION:**

Discussion and possible action to approve Contract Amendment No. 1 with Quest Civil Constructors for the installation of arsenic monitoring equipment at the Peoria Sports Complex Reservoir and Booster Station (R103). This work will be done utilizing an existing Job Order Contract (JOC), Solicitation No. P08-0047A, for the Guaranteed Maximum Price (GMP) of \$36,212, funded by Capital Improvement Project UT00206, Well and Reservoir Reconditioning.

**SUMMARY:**

The City awarded the design phase of a Design-Build contract to Quest Civil Constructors on October 7, 2008, to install the TraceDetect Online Arsenic Monitoring equipment at the Peoria Sports Complex Reservoir and Booster Station (R103). The design for the equipment installation is complete and Quest Civil Constructors has provided the City with a cost proposal for constructing the installation.

The arsenic levels recorded for the Peoria Sports Complex Well (W114) have previously been near the federal regulatory limit. The TraceDetect system will continuously monitor the arsenic levels in the water produced by the well. In the event the arsenic levels begin approaching the limit, the City's Supervisory Control and Data Acquisition (SCADA) system will trigger an alarm that will alert operators and shut down the well. The well will then be tested and monitored for acceptable arsenic levels prior to returning it back to service.

Staff recommends that Mayor and Council approve the expenditure of existing project

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**CITY CLERK USE ONLY:**

- Consent Agenda
- Carry Over to Date: \_\_\_\_\_
- Approved
- Unfinished Business (Date heard previous: \_\_\_\_\_)
- New Business

ORD. # \_\_\_\_\_ RES. # \_\_\_\_\_  
LCON# \_\_\_\_\_ LIC. # \_\_\_\_\_  
Action Date:  
*ACON 25008 PLE*

funds for Contract Amendment No.1 with Quest Civil Constructors for the construction phase of this project.

The following table summarizes the proposed contract by phase and cost:

<b>Item</b>	<b>Amount</b>	<b>Completion Date</b>
Design	\$35,310	Jan-2009
Contract Amendment #1 - Equipment Installation	\$36,212	May-2009
<b>Total</b>	<b>\$71,522</b>	<b>May-2009</b>

**FISCAL NOTE:**

Payment in the amount of \$36,212 will be made from Water Utility account 2050-2140-543002-CIPWR-UT00206.

**ATTACHMENTS:**

Attachment A: Contract Amendment Form  
Attachment B: Quest Proposal



CIVIL CONSTRUCTORS  
FABRICATORS  
CONSTRUCTION MANAGERS

January 16, 2009

Daniel Kiel  
Associate Engineer  
City of Peoria Utilities Department  
8401 West Monroe Street  
Phoenix, AZ 85345

RE: Peoria Sports Complex  
Guaranteed Maximum Price Proposal (GMP)  
Arsenic TraceDetect Installation Project

Dear Mr. Kiel:

Quest Civil Constructors, Inc. (Quest) proposes to construct the Arsenic TraceDetect Installation Project for the Guaranteed Maximum Price of **\$36,212.00**. This proposal is based on the plans dated October, 2008, and Basis of Design dated December 2008 as prepared by Damon S. Williams Associates, LLC and as modified and shown on the attached set of plans and specifications. This proposal is submitted in accordance with Job Order Contract Agreement Attachment "A" Job Order Proposals. This proposal is an integral part of the Guaranteed Maximum Price agreement.

Construction of the project includes the following:

- Install ¼" SS tubing connection from 12" well discharge line and 16" booster pump line to the TraceDetect Arsenic Monitor inside the electrical building.
- Mount the TraceDetect Arsenic Monitor inside the electrical building.
- Provide conduit and wire as shown on the drawings to the TraceDetect Arsenic Monitor.
- Install drain for the TraceDetect Arsenic Monitor as shown on the drawings.
- Provide penetration into the electrical building for the ¼" SS tubing and 2" PVC drain piping. Penetration will be sealed with caulk.
- Construct concrete curb to contain potential spills around TraceDetect Arsenic Monitor.
- Onsite representative for one (1) day for startup assistance.
- All materials for installing the ¼" SS tubing, mounting the TraceDetect Arsenic Monitor instrument and PVC drain.
- Engineering Services for obtaining Maricopa County Approval of Construction and Record Drawings.

The construction schedule for the project will be based upon the following delivery/fabrication times after Notice to Proceed has been issued:

- Delivery of stainless steel tapping saddles is estimated at two weeks after approved submittals.
- Submittal approval is anticipated no to take more than two (2) weeks.
- Quest anticipates completing the project within seventy five (75) days of a Notice to Proceed. Meeting the completion date is also contingent upon submittal review and the availability of the required equipment and materials.

The following assumptions were made in the preparation of the Guaranteed Maximum Price:

- The TraceDetect Arsenic Monitor, provided by the City of Peoria, is assumed to be in good working order and will be visually inspected for damage prior to installation.
- Startup testing and training for the TraceDetect Arsenic Monitor will be performed by TraceDetect. Services provided by Quest for startup are verification of proper wiring and support for one (1) day only.
- Quest will have access to the site from the hours of 6:00 AM to 6:00 PM Monday through Friday.
- Finish coating of above ground PVC piping outside the electrical building only.
- The proposal is based on the approval of the Romac model 305 Type 304 SS saddle and SS ball valves.
- City of Peoria and Quest will review and approve submittals for the Project.
- Construction Contingency – Quest Civil Constructors reserves the right to utilize Construction Contingency funds for possible material shortages and associated cost increases resulting from material price spikes, delays, under/overruns of quantities, and/or decreased efficiencies. If the Construction Contingency is used during the project, Quest reserves the right to Mark Up the work in accordance with our Job Order Contract.
- Stainless Steel items provided for the project will be Type 304 unless otherwise submitted.
- The ½" SS lines to the TraceDetect Arsenic Monitor will be visually inspected for leaks only. No further pressure testing or bacteria testing are included.
- No Public Information services will be required for the project.
- No costs are included for survey, special inspections, and building/agency permits.
- No costs are included for material testing.
- Programming will be provided by the City of Peoria.
- No costs have been included for additional site security.
- No costs are included for Builder's Risk insurance.
- Construction water will be available from the existing hose bib onsite.
- Peoria will provide an onsite storage area(s) and construction water for Quest's use.
- City of Peoria will perform all shut downs and start ups for existing equipment and will operate all existing mechanical and electrical equipment, valves, and other operational matters.
- This proposal includes a one (1) year warranty that shall only apply to items furnished and installed by Quest.

Attached to this proposal are all related pricing information used for calculating the GMP.

This proposal is valid for sixty (60) days.

Sincerely,

QUEST CIVIL CONSTRUCTORS, INC.



Nick Mason

Enclosed

**Arsenic TraceDetect at the Peoria Sports Complex  
Job Order Cost Summary - Construction Phase**

**Date: 01/14/09**  
**Amount %**

Direct Cost Of The Work:

Material	\$	3,365	10.29%
Labor	\$	5,942	18.17%
Equipment	\$	2,795	8.54%
Other Costs	\$	825	2.52%
Subcontractors	\$	10,214	31.22%
Total Direct Cost Of The Work =			<b>\$ 23,141</b> 70.74%

Indirect Cost Of The Work:

General & Administrative Expense	\$	3,665	11.20%
Job Order Contractor's Fee (Profit)	\$	3,272	10.00%
Payment and Performance Bonds	\$	409	1.25%
Insurance	\$	589	1.80%
Arizona / County / City Privilege Taxes	\$	1,636	5.00%
Total Indirect Cost Of The Work =			<b>\$ 9,571</b> 29.26%

Total Cost Of The Work = **\$ 32,712**

Contingencies / Allowances:

Construction Contingency	\$	3,500	10.70%
	\$	-	

Total Contingencies / Allowances = **\$ 3,500**

Total Job Order Amount = **\$ 36,212**



# CONTRACT AMENDMENT Change Order

Solicitation No. P08-0047A P6 Page 1 of 1

Materials Management  
Procurement  
8314 W. Conobar Ave  
Peoria, AZ 85345  
Telephone: (623) 773-7115  
Fax: (623) 773-7118

Amendment No. One (1) Date February 4, 2009

Buyer Peggy Ferrin

Project No.: UT00206 Agreement Date: October 22, 2008  
Project Description: Arsenic Trace Detect System Completion Date: June 1, 2009  
Change Order Type:  Owner Initiated  Errors & Omissions  Unknown Conditions  Phased Award

The changes as shown on the attached sheet are hereby made to the contract.

### Contract Price Change:

Original Contract Price:	\$35,310.00
Total of previous change orders:	
Original contract price plus previous change order(s):	\$35,310.00
The contract price due to this change order will be increased by:	\$36,212.00
The new contract price including this change order will be:	\$71,522.00

### Contract Time Change:

The contract time will be increased by 75 days.  
The new date for completion of all work will be: June 1, 2009

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

	2-9-09	NICK MASON PROJECT LEADER	Quest Civil Contractors Inc.
Signature	Date	Typed Name and Title	Company Name
03 W. Parkside Lane, Suite 100	Phoenix	Arizona	85027
Address	City	State	Zip Code

Witnessed By:   
 City Clerk: Jo Kief  
 Department: Utilities Engineering  
 Buyer: Peggy Ferrin  
 Approved by: Herman F. Koebergen, Materials Manager  
 Ellen M. ~~Ellen Van Riper~~, Assistant City Attorney  
 Approved as to Form: Stephen M. Kemp, City Attorney  
 The above referenced Contract Amendment is hereby Executed  
 at Peoria, Arizona  
 Official File: Carl Swenson, City Manager

Seal  
City of Peoria, Arizona  
05/09

A CON 25008P6