CITY OF PEORIA, ARIZONA
COUNCIL COMMUNICATION

CC: 10 C
Amend No. _____

Date Prepared: December 18, 2008 **Council Meeting Date:** January 20, 2008

TO: Carl Swenson, City Manager

FROM: Stephen L. Bontrager, Utilities Director

THROUGH: Shawn Kreuzwiesner, Utilities Engineering Manager

PREPARED BY: Daniel Kiel, Associate Engineer

SUBJECT: Approve Contract Amendment No. 1 with HDR Engineering

RECOMMENDATION:

Discussion and possible action to approve Contract Amendment No. 1 (ACON 45807) with HDR Engineering for additional design and post construction phase services on the Cotton Crossing PRV Station, Capital Improvement Project UT00130, in an amount not to exceed $9,042.

SUMMARY:

The City is constructing a new Pressure Reducing Valve (PRV) station at the intersection of Grand Avenue and Cotton Crossing Road. This PRV station will allow water to flow through the new 16-inch waterline being constructed at the intersection to increase the overall water system reliability in this area.

The City previously issued a contract to HDR Engineering to complete the design of the new PRV station and to provide construction administration services in an amount of $47,319. While the design was being completed, the City selected Felix Construction to be the contractor for the project. As part of their pre-construction services, Felix Construction identified value engineering options to ensure that the project costs would remain within the identified budget. These options consisted of changing the PRV vault from a pre-cast unit to a cast-in-place unit and to remove the Supervisory Control and Data Acquisition (SCADA) controls for the station. Overall, these changes reduced the project costs by $130,000. In order to incorporate these changes, HDR Engineering will have to modify their existing design documents. They have presented a fee proposal to the City in the amount of $9,042 to complete this work.

Staff recommends that Mayor and Council approve the expenditure of existing project funds for Contract Amendment No. 1 to HDR Engineering to incorporate the listed value engineering options on the project.

CITY CLERK USE ONLY:

☐ **Consent Agenda**
☐ **Carry Over to Date:**_____
☐ **Approved**
☐ **Unfinished Business (Date heard previous:_____)**
☐ **New Business**
☐ **Public Hearing: No Action Taken**

ORD. #_____ **RES. #**_____
ACON# 45807A **LIC. #**_____
Action Date:

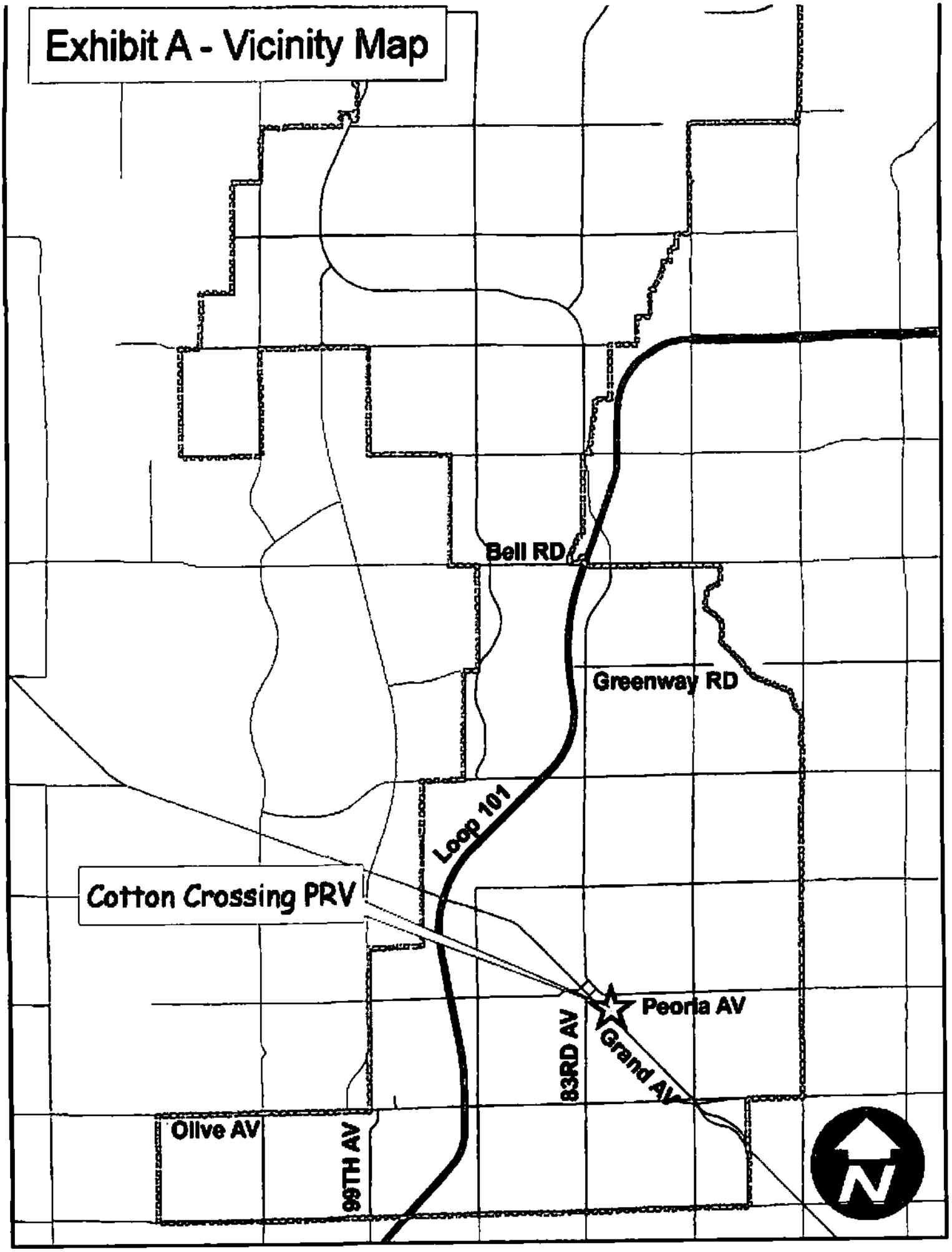
FISCAL NOTE:

Payment will be made from Water Utility Account 2050-2140-543002-CIPWR-UT00130 in the amount of $9,042.

ATTACHMENT(s):

Exhibit "A" – Project Map
Exhibit "B" – HDR Contract Amendment Proposal

Exhibit A - Vicinity Map



November 25, 2008

Exhibit "B" - Page 1

Mr. Daniel Kiel
Associate Engineer
City of Peoria, Utilities Department
9875 N. 85th Avenue
Peoria, Arizona 85345

RE: Cotton Crossing Pressure Reducing Valve Station
Contract Amendment No. 1
COP#: ACON45807, UT00130

Dear Mr. Kiel:

HDR Engineering, Inc. (HDR) respectfully submits this request for Contract Amendment No. 1 in reference to the above project. This contract amendment is the result of the project scope changing from its original intent. This submittal constitutes our proposal for the design and construction services scope changes for the addition of the electrical and control design elements and additional special inspections. These additional design elements were requested by the City and the additional special inspections were required by the City Building and Safety Department.

On October 13, 2008, the City requested a contract amendment for all work related to the electrical and control design additions and additional special inspections. Enclosed are our fee proposal Exhibits A1 and A2 along with the scope of work for this request. This additional work associated with Contract Amendment No. 1 requires an additional amount that is not to exceed $9,042.00 for these efforts.

The HDR team welcomes the opportunity to continue working with the City. We look forward to completing the design and construction of this PRV Station. Should you have any questions regarding this proposal, please call me at 602-522-4341.

Sincerely,

HDR ENGINEERING, INC.

[redacted]

Edward C. Junod, PE
Vice President

Enclosures

Nabar Stanley Brown, Inc.
Structural Engineers

Exhibit "B" - Page 2

	EXHIBIT A 2				
CITY OF PEORIA					
Cotton Crossing Pressure Reducing Valve Station					
~~Precast~~ Cast-In-Place Concrete Valve Box					
Additional Services during Construction					
Task/Item	Project Engineer	Design Engineer	Structural Technical	Construction Inspection	Totals
RFI's (Additional)	0	0	0	0	
Shop Drawing /Submittal Review (Additional)					
Concrete Mix Design	1	1	1	0	
Reinforcing Shop Drawings	1	3	2	0	
Concrete Vault Design	0	0	0	0	
Special Structural Inspections					
Reinforcing Placement (Vault Only; 2 Visits)	1	1	0	8	
Structural Observation					
Structural Concrete Placement (Vault Only; 2 Visits)	1	1	0	8	
Total Hours	4	6	3	16	
Hourly Rate	$155.00	$95.00	$80.00	$65.00	
	$620.00	$570.00	$240.00	$1,040.00	$2,470.00
Notes:					
1.) Full Special Structural Inspection for all concrete placement is not included in this proposal. It is our understanding that these inspections will be provided by the City of Peoria.					

Exhibit "B" - Page 3

EXHIBIT A 1
COTTON CROSSING PRV STATION
ADDITIONAL DESIGN SERVICES - Contract Amendment No. 1
COST SUMMARY

HDR Task No.	Task Description	Totals	Water	Electrical and I&C		Electrical and I&C			Task Costs
			Project Manager	Senior Engineer	CADD Tech	QA/QC Reviewer	Account	Admin	
	Additional Services for Electrical and I/C Preliminary and Final Design								
2	**Final Design**								
2.3	Prepare 100% Design, MCESD ATC, & Review with City	14		3	10	1			$ 1,436
2.4	Prepare Final Contract Documents & Estimate	19	4	4	10	1			$ 2,236
4	**Construction Services**								
4.2	Shop Drawing Review	6	4	2					$ 925
4.5	Record Drawings (Development and Review)	8	2	3	2	1			$ 1,047
Total HDR Hours (Basic Services)		47	10	12	22	3	0	0	$ 5,645
HDR Labor Rate			$ 168	$ 126	$ 91	$ 152	$ 73	$ 53	
HDR Labor Costs		$ 5,645	$ 1,685	$ 1,507	$ 1,997	$ 456	$ -	$ -	
Profit at 12%		$ 677							
Subtotal (Basic Services)		$ 6,322							
Other Direct Costs:									
Printing, Mail, Deliveries		$ 76							
Technology Charge ($3.70 x Labor Hours)		$ 174							
Data Collection and Review Fees		$ -							
Other Direct Costs Subtotal		$ 250							
Total HDR Costs (Basic Services)		$ 6,572							
Subconsultants (Basic Services)									
Subconsultants (Basic Services) Subtotal - (See attached spreadsheet for detail)		$ 2,470							
Total Project Costs (Basic Services)		$ 9,042							

CONTRACT AMENDMENT
Change Order

Solicitation No. P07-0108 Page 1 of 1

Amendment No. One (1) Date: 12/23/08

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

Buyer: Peggy Ferrin

Project No.: P07-0108 Agreement Date: 8/9/07

Project Description: Cotton Crossing Pressure Reducing Valve Completion Date:

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:	47,319
Total of previous change orders:	9,042
Original contract price plus previous change order(s):	56,361
The contract price due to this change order will be increased by:	9,042
The new contract price including this change order will be:	56,361

Contract Time Change:

The contract time will be increased by 0 days.

The new date for completion of all work will be:

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

[redacted]	12-24-08	Laurie Roden, Senior Vice President	HDR Engineering, Inc.
Signature	Date	Typed Name and Title	Company Name

3200 E. Camelback Road, Suite 350	Phoenix	Arizona	85018
Address	City	State	Zip Code

Attested By:

Mary Jo Kief, City Clerk

Department:

10C 012009
CC Number

Buyer:

ACON45807A
Contract Number

Approved by: Herman F. Koebergen, Materials Manager

Approved as to Form: Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed

_____, _____, at Peoria, Arizona

City Seal

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(Rev 10/24/08)

Official File

Carl Swenson, City Manager