



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA12-124**

1. Agenda Item Number: 27
2. Council Meeting Date: January 26, 2012

TO: MAYOR & COUNCIL
THROUGH: CITY MANAGER

3. Date Prepared: January 9, 2012
4. Requesting Department: Municipal Utilities

5. SUBJECT: Award Contract Amendment No.1 to Wilson Engineers for the OWRF/AWRF Lift Station, Project No. WW1104-201, in an amount not to exceed \$89,380 for a revised total contract amount not to exceed \$943,580, contingent upon written notification from Intel and appropriate funding.

6. RECOMMENDATION: Staff recommends Council award Contract Amendment No.1 to Wilson Engineers for the OWRF/AWRF Lift Station, Project No. WW1104-201, in an amount not to exceed \$89,380 for a revised total contract amount not to exceed \$943,580, contingent upon written notification from Intel and appropriate funding.

7. BACKGROUND/DISCUSSION: Staff identified the need for a lift station and sewer force main to transfer increasing volumes of wastewater flows from the Ocotillo Water Reclamation Facility (OWRF) to the Airport Water Reclamation Facility (AWRF) for treatment. The increased pumping capacity is due to Intel's expansion on South Dobson Road. This new lift station will also add system redundancy to the existing smaller pump back and force main system. The lift station will be constructed using the Construction Manager @ Risk method and will be contracted separately.

The additional design effort covered by this amendment is necessary due to a redefinition in the wastewater characteristics from Intel requiring modification to the design of the OWRF/AWRF Lift Station to accommodate these characteristics.

8. EVALUATION: On May 26, 2011, Council approved annual contract EN1003-101 to Wilson Engineers for permitting, assessment, and design of water and wastewater facilities. Staff reviewed the scope of work, billing rates, and total fee for this project, compared them to historical costs, and determined they are reasonable.

9. FINANCIAL IMPLICATIONS:

Cost:	\$854,200	Original Contract
	<u>\$ 89,380</u>	Amendment No. 1
	\$943,580	Total
Savings:	N/A	
Long Term Costs:	N/A	

Fund Source:

<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
615.3910.5219.6WW022	Wastewater Operating	Water Reclamation Facility Expansion	Yes	\$89,380

10. PROPOSED MOTION: Move Council award Contract Amendment No.1 to Wilson Engineers for the OWRF/AWRF Lift Station, Project No. WW1104-201, in an amount not to exceed \$89,380 for a revised total contract amount not to exceed \$943,580, contingent upon written notification from Intel and appropriate funding, and authorize the Mayor to sign the contract documents.

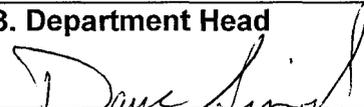
ATTACHMENTS: Location Map, Contract Amendment

APPROVALS

11. Requesting Department


John Knudson, Utilities Engineering Manager

13. Department Head


Dave Siegel, Municipal Utilities Director

12. City Engineer


Sheina Hughes, City Engineer

14. City Manager


Rich Dlugas

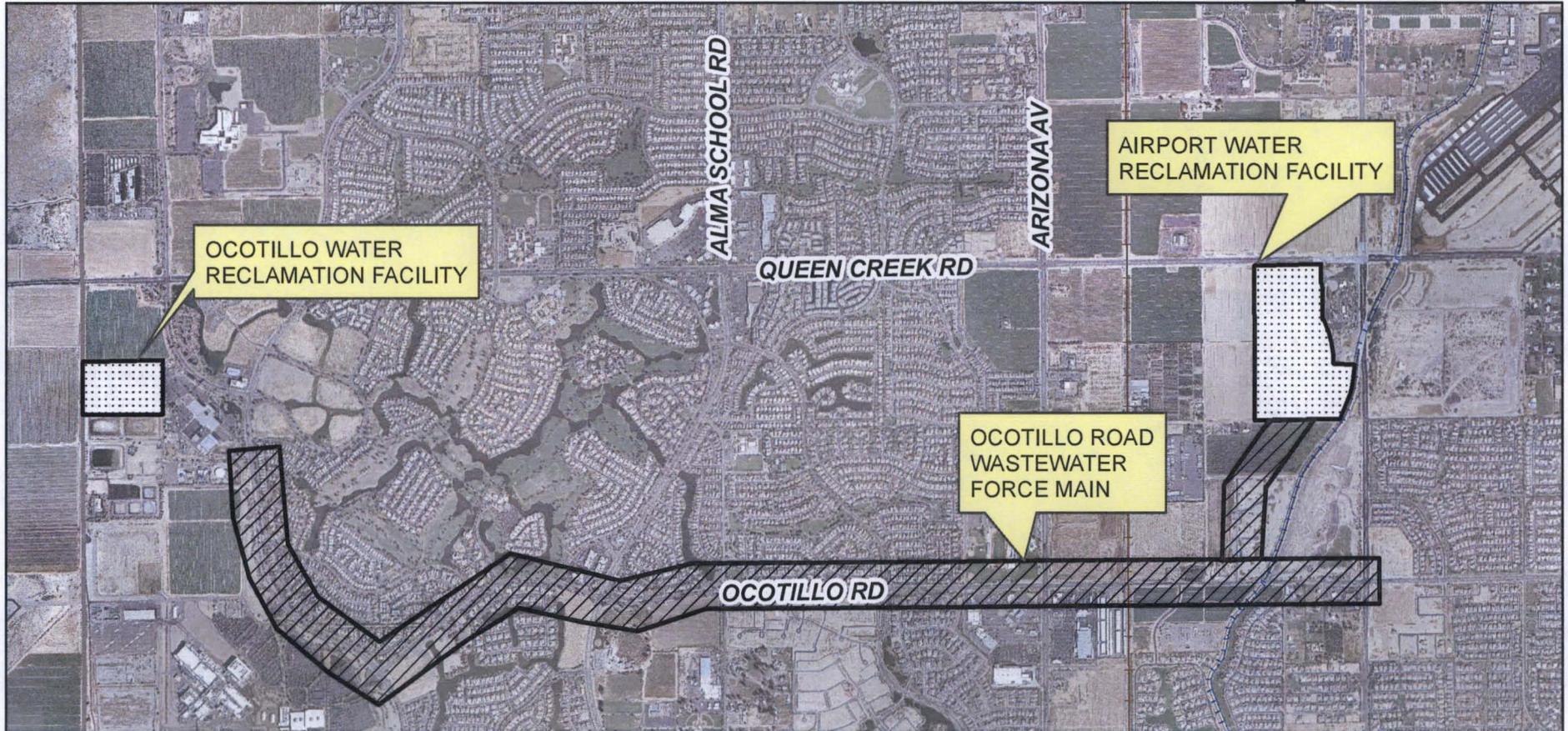


OWRF / AWRF LIFT STATION PROJECT NO. WW1104-201



MEMO NO. CA12-124

 PROJECT AREA





Chandler Arizona

AMENDMENT NUMBER 1
TO PROJECT AGREEMENT NO.: WW1104-201
PURSUANT TO ANNUAL CONTRACT NO.: EN1003-101

Project Name: Ocotillo Water Reclamation Facility (OWRF)/Airport Water Reclamation Facility (AWRF) Lift Station Design
Project No.: WW1104-201

The City of Chandler (CITY) and Wilson Engineers, entered into an Annual Contract No. EN1003-101, dated May 26, 2011. Pursuant to this Annual Contract the parties entered into a Project Agreement dated June 28, 2011. This Amendment No. 1 to that certain Project Agreement between the City Of Chandler (CITY) and Wilson Engineers, for Ocotillo Water Reclamation Facility (OWRF)/Airport Water Reclamation Facility (AWRF) Lift Station Design is entered into this _____ day of _____, 2012.

WHEREAS the parties have determined that it is necessary and desirable for ANNUAL CONSULTANT to perform additional services for CITY;

NOW THEREFORE, the parties agree as follows:

1. Article 1, of the above referenced Agreement, is hereby; amended by adding additional scope of work described in more detail in Exhibit A attached hereto and incorporated herein by reference.
2. Article 2, of the above referenced Agreement, is hereby; amended by increasing the total contract price by an amount not to exceed the sum of Eighty Nine Thousand Three Hundred Eighty dollars, (\$89,380) for a total Contract Price not to exceed the sum of Nine Hundred Forty Three Thousand Five Hundred Eighty dollars (\$943,580) of all payable in accordance with Exhibit B, attached hereto and incorporated herein by reference.
3. Article 3 of the above referenced Agreement is hereby amended by increasing the Contract Time by Ninety (90) days for a total Contract Time of Two Hundred Seventy (270) days from the original Notice to Proceed date.
4. All other terms and conditions of the above referenced Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names this _____ day of _____, 2012.

CITY OF CHANDLER:
By: _____
MAYOR Date

ANNUAL CONSULTANT:
By: _____
Title:

APPROVED AS TO FORM:

City Attorney by: *[Signature]*

ATTEST: (If corporation)

Secretary

ATTEST:

City Clerk

WITNESS: (If Individual or Partnership)

SEAL

Jan 18, 2012 3:50AM

V. 0649 P. 3



Chandler Arizona

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CITY OF CHANDLER:

By: _____
MAYOR Date

ANNUAL CONSULTANT:

By: [Signature]
Title:

APPROVED AS TO FORM:

City Attorney by: [Signature]

ATTEST:

City Clerk

ATTEST: (If corporation)

Secretary

WITNESS: (If Individual or Partnership)

SEAL

Amendment No. 1 cont.

Project No. WW1104-201

THESE CHANGES RESULT IN THE FOLLOWING ADJUSTMENTS OF CONTRACT PRICE AND TIME

ORIGINAL CONTRACT AMOUNT	\$ 854,200
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)	\$ 854,200
NET INCREASE / DECREASE (Resulting from this amendment)	\$ 89,380
REVISED CONTRACT PRICE (Including this amendment)	\$ 943,580
AMENDMENT PERCENTAGE (Of original contract price)	<u>9.6%</u>
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments)	180 (Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)	90 (Days or Date)
REVISED CONTRACT TIME (Including this amendment)	270 (Days or Date)
THIS AMENDMENT No. _____	Does not Require Council Approval: Less than \$30,000* _____
	More than \$30,000 but less than 10% of Contract* _____
THIS AMENDMENT No. <u>1</u>	Requires Council Approval Greater than \$30,000* <u>X</u>
	Greater than 10% of Contract * _____
*Including City Manager approved Amendments	
ORIGINAL CONTRACT COUNCIL DATE: 6/23/2011 ITEM NO.:21, if applicable	
COUNCIL APPROVAL: _____ ITEM NO: _____, if applicable	
CITY OF CHANDLER (Date & Name of Owner Dept. verbal approval): <u>John Knudson 1/5/2012</u>	

CC: City Clerk User Dept Project Mgr Consultant Project Analyst File

EXHIBIT A SCOPE OF WORK

This scope of work is a summary of additional work identified for the Airport LS project. The agency review set drawings (90% plans) are complete for the structural/excavation/civil package (Package 1) and an approval was obtained from the Maricopa County for Package 1 work which can now proceed with construction. Package 2 drawings, which include Process, Mechanical, Electrical, and Instrumentation work are at about 75% design level (60% drawings were submitted on November 8th). Changes to the design would require revisions to the design report and resubmission of drawings to the County and City Building Department for approval. The following paragraphs identify additional project elements that will be incorporated into the design.

- Revise the current lift station layout to receive flows from the south side in addition to the current layout. This will include capability to isolate flows to either of the two bays while incorporating a 48-inch RCP connection from the 42-inch diameter sewer line.
- Add an additional bay to the currently configured pump station to facilitate flows to the Ocotillo WRF. Add a new pipe line to discharge these flows to the Ocotillo WRF influent.
- Extend the overhead canopy to the south side to allow removal of new pump to the Ocotillo WRF.
- Revise control strategy to allow operation of the pump station with different settings (i.e. pump station operation with separate bays or together). Incorporate controls to convey flows to the Ocotillo WRF.
- Revisions to the Design Report for submission to the County for approval.

The engineering services to be provided under this Project are as follows:

TASK 1.0 PRELIMINARY DESIGN

Subtask 1.1 Revisions to the Design Basis Report. Revise the existing design report to incorporate changes identified above for submittal to the City and the County.

Wilson Engineers will submit six (6) copies of the Design Basis Report for review by the City and the County. A review meeting will be conducted to discuss comments on the Design Basis Report. A final copy of the report will be prepared to incorporate the comments received. Six (6) copies of the Final Design Report will be distributed.

TASK 2.0 CONTRACT DOCUMENT PREPARATION

Revisions to the contract documents will be provided under this task. Since 60% plans for the previous design has been submitted to the City, it is assumed that design of two sets of packages can proceed to the 90 percent design level without submitting a 60% design for review.

Subtask 2.1 Preparation of 90% Plans and Specifications (Agency Review Set). Revise the existing construction documents including plans and specifications for submission. The plans shall incorporate the comments received on the previous 60% submittals. Six (6) copies of the 90% plans and specifications will be submitted for review. A review meeting will be conducted with the City to review and discuss all comments received on the 90% Plans.

Subtask 2.2 Preparation of Final Plans and Specifications. The final 100% plans and specifications will be prepared incorporating City's and MCESD's comments. One (1) reproducible set of plans and specifications will be prepared to produce the construction sets.

TASK 3.0 PERMITTING SERVICES

Subtask 3.1 Maricopa County Environmental Service Departments (MCESD). One set of the agency review plans and specifications will be submitted again to the Maricopa County Environmental Services Department for an expedited review to obtain the Approval to Construct. One review meeting will be conducted to discuss any comments received from the County.

Subtask 3.2 City of Chandler. The Engineer will submit and meet with the City of Chandler Development Services for their approval.

*** Note: The MCESD expedited review fee is included within this scope of services. The City permit fees are not included within this scope of services.*

TASK 4.0 CMAR COORDINATION SERVICES

Wilson Engineer's will continue to coordinate with the CM at Risk for this project and this will consist of:

- Solicit CM at Risk input during design development as appropriate;
- Provide information for cost estimating;
- Provide input to construction management plan and schedule;
- Provide assistance with long-lead procurement activities;
- Evaluate alternative systems suggested by CM at Risk;
- Respond to constructability review comments;
- Attend subcontractor pre-selection meetings conduct by CM at Risk;
- Prepare addenda as required;
- Assist and review during GMP development;
- Perform GMP proposal review and prepare recommendation to City;
- Assist City with review of the subcontractor/supplier bid and selection process.

**EXHIBIT B
FEE SCHEDULE**

LABOR SUMMARY

TASK No.	TASK DESCRIPTION	Wilson Engineers Staff Hours								TOTAL HOURS	Wilson Labor COST
		Principal E-7 \$ 195	Sr Project Manager E-6 \$ 180	Project Manager E-5 \$ 150	Project Engineer E-4 \$ 125	Design Engineer E-3 \$ 105	Senior Designer D-4 \$ 125	CADD Tech T-3 \$ 70	Clerical A-3 \$ 65		
Task 1.0 - Preliminary Design											
1.1	Design Basis Report	4	16	0	24	0	40	40	24	148	\$ 16,020
Subtotal - Preliminary Design		4	16	0	24	0	40	40	24	148	\$ 16,020
Task 2.0 - Contract Document Preparation											
2.1	90% Construction Documents	4	16	0	48	52	60	40	16	236	\$ 26,460
2.2	Final Submittal	4	8	0	24	32	48	48	16	180	\$ 18,980
Subtotal - Final Design		8	24	0	72	84	108	88	8	392	\$ 45,440
Task 3.0 - Permitting Services											
3.1	MCESD Approval to Construct	2	8	0	8	8	4	8	4	42	\$ 4,990
3.2	City of Chandler Permit	2		4	4	4	4	8	4	30	\$ 3,230
Subtotal - Preliminary Design		4	8	4	12	12	8	16	8	72	\$ 8,220
Task 4.0 - CMAR Coordination											
4.0	CMAR Coordination	0	8	0	16	16	8	8	8	64	\$ 7,200
Subtotal - CMAR Coordination		0	8	0	16	16	16	8	8	72	\$ 7,200
Subtotal - Wilson Labor Summary		16	56	4	124	112	172	152	48	684	\$ 76,880

II. Other Direct Costs

Task No(s).	Expense Description	Unit	Total Units	Cost / Unit	Total
2.0	Civil Redesign	LS	1	\$ 4,000	\$ 4,000
2.0	Structural Redesign	LS	1	\$ 8,500	\$ 8,500
Subtotal - Other Direct Costs					\$ 12,500

III. TOTAL FEE PROPOSAL

I	LABOR SUMMARY	\$ 76,880
II	OTHER DIRECT COSTS	\$ 12,500
III	TOTAL FEE	\$ 89,380