



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA07-224**

1. Agency Item Number:
25
2. Council Meeting Date:
April 12, 2007

TO: MAYOR & COUNCIL

3. Date Prepared: March 23, 2007

THROUGH: CITY MANAGER

4. Requesting Department: Municipal Utilities

5. SUBJECT: Approval of Contract Amendment No. 1, for construction management services, in the amount of \$58,485 to Carollo Engineers for McQueen Road Sewer and Manhole Rehabilitation, Project No. WW0606-201, for a revised contract total of \$125,373.

6. RECOMMENDATION: Staff recommends that Council approve Contract Amendment No. 1, for construction management services, in the amount of \$58,485 to Carollo Engineers for McQueen Road Sewer and Manhole Rehabilitation, Project No. WW0606-201, for a revised contract total of \$125,373.

7. BACKGROUND/DISCUSSION: The Wastewater Master Plan identified an on-going need to evaluate, prioritize, and repair sewer lines and manholes within the City's collection system. This contract provides for the rehabilitation of the 30-inch diameter sewer main on McQueen Road from Chandler Blvd. to Pecos Road, as well as repair of nineteen sewer manholes contiguous to the sewer being rehabilitated. The sewer rehabilitation will be completed using an in-place or trenchless technology.

The original design contract did not include construction management services. This Contract Amendment provides for public notification, coordination with Maricopa County Environmental Services Department, preparation of responses to Requests for Information, review of Shop Drawings, and coordination of the post installation video recording of the sewerline. The cost for construction is \$940,270, and was awarded under separate Council action.

8. EVALUATION On March 6, 2006, Council approved the award of an annual contract, number EN0606-201, to Carollo Engineers, for sewer system rehabilitation design services. Staff has reviewed the scope of work, related work hours per task, the billing rates, and the fee for this proposal/contract and determined that the fee is consistent with similar types of projects.

9. FINANCIAL IMPLICATIONS:

Engineering Services Contract:	\$66,888	
Contract Amendment No. 1	\$58,485	87%
Revised Contract Amount:	\$125,373	
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>
611.3910.0000.5219.WW266	Wastewater Bond	Sewer Assessment & Rehabilitation	FY06/07	\$58,485

10. PROPOSED MOTION: Move that Council approve Contract Amendment No. 1, for construction management services, in the amount of \$58,485 to Carollo Engineers for McQueen Road Sewer and Manhole Rehabilitation, Project No. WW0606-201, for a revised contract total of \$125,373, and authorize the Mayor to sign the contract documents.

ATTACHMENTS: Location Map, Contract Amendment

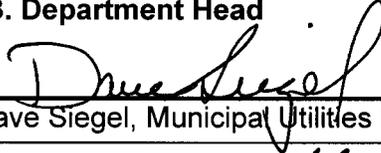
APPROVALS

11. Requesting Department



Robert Mulvey, Assistant Municipal Utilities Director

13. Department Head



Dave Siegel, Municipal Utilities Director

12. City Engineer



Elizabeth M. Huning, Assistant Public Works
Director/City Engineer

14. City Manager



W. Mark Pentz

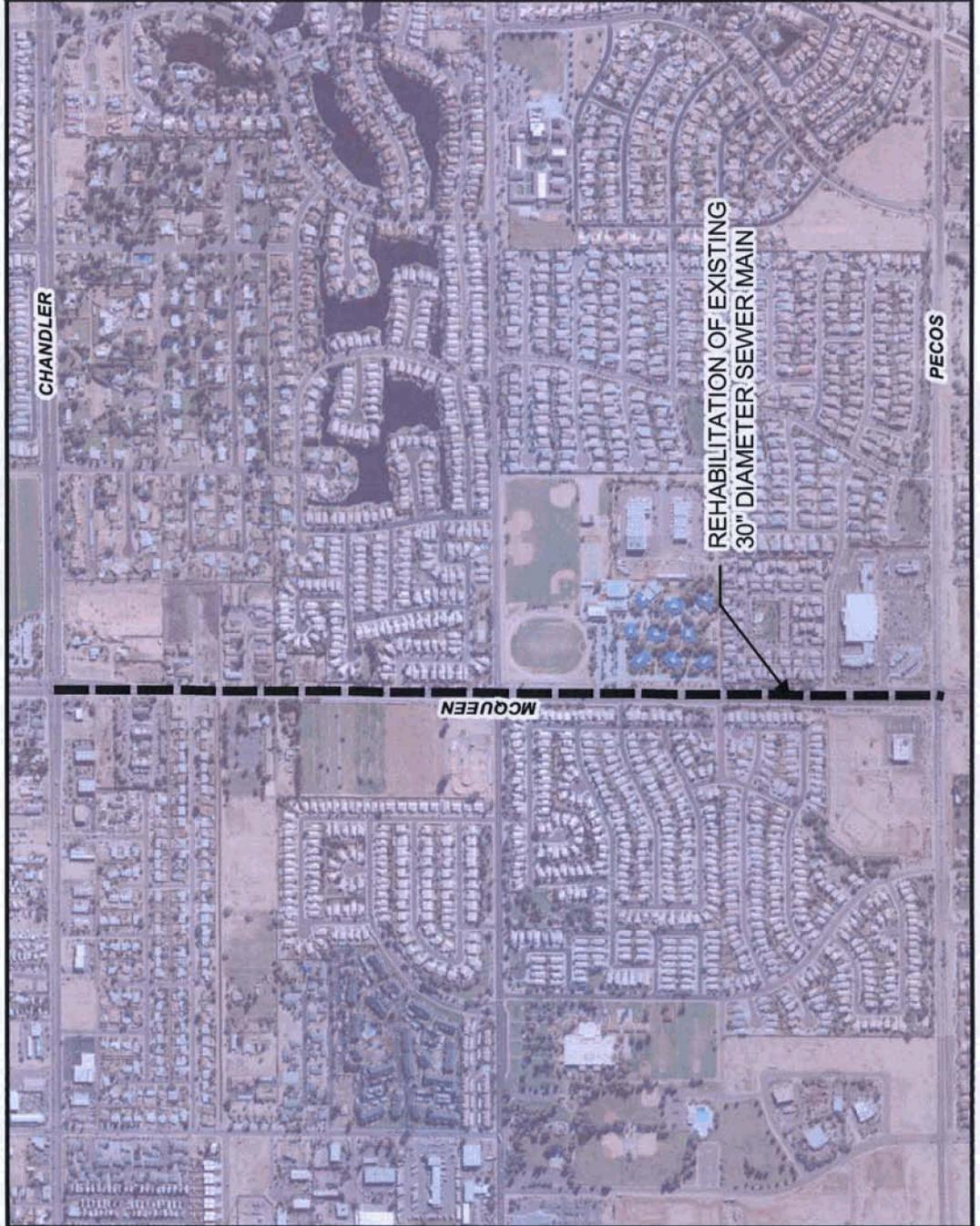
MCQUEEN ROAD SEWER REHABILITATION PROJECT NO. WW0606-201



MEMO NO. CA07-224

LEGEND

— 30" DIAMETER SEWER MAIN





Chandler Arizona

AMENDMENT NUMBER 1

Project Name: **McQueen Road Sewer and Manhole Rehabilitation**
Project No.: **WW0606-201**

This Amendment No. 1 to that certain Agreement Between the City Of Chandler and Carollo Engineers, P.C. an Arizona Corporation for McQueen Road Sewer Construction Management Services dated 20, March, 2006 between the City of Chandler (CITY) and Carollo Engineers, P.C. is entered into this 30th day of , 2007.

WHEREAS the parties have determined that it is necessary and desirable for ENGINEER 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 as 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 Fifty Eight Thousand Four Hundred Eighty Five dollars (\$58,485) in accordance with Exhibit B, for a total Contract Price not to exceed the sum of One Hundred Twenty Five Thousand Three Hundred Seventy Three dollars (\$125,373).
3. Article 3 of the above referenced Agreement is hereby amended by increasing the total Contract Time by Four Hundred Fifty (450) days.
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 30th day of MARCH, 2007.
CITY OF CHANDLER:

By: _____
MAYOR Date
APPROVED AS TO FORM:

City Attorney by: [Signature]
ATTEST: _____
City Clerk

ENGINEER:
By: [Signature]
Title: PARTNER
ATTEST: (If corporation)
[Signature]
WITNESS: (If Individual or Partnership) PARTNER

SEAL

ACKNOWLEDGE BY:

_____ User Department Signature:	_____ Date:	_____ Title
_____ Recommended: CITY ENGINEER	_____ Date	_____ Recommended: DEPARTMENT DIRECTOR Date:

Amendment No. 1 cont.

Project No. WW0606-201

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

ORIGINAL CONTRACT AMOUNT	\$ 66,888
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)	\$ 66,888
NET INCREASE / DECREASE (Resulting from this amendment)	\$ 58,485
REVISED CONTRACT PRICE (Including this amendment)	\$125,373
AMENDMENT PERCENTAGE (Of original contract price)	<u>87.4</u> %
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments)	150
	(Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)	450
	(Days or Date)
REVISED CONTRACT TIME (Including this amendment)	600
	(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 * <u>X</u>
*Including City Manager approved Amendments	
ORIGINAL CONTRACT COUNCIL DATE: <u>3/6/06</u> ITEM NO.: <u>18</u> , if applicable	
COUNCIL APPROVAL: _____ ITEM NO: _____, if applicable	

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

EXHIBIT A

GENERAL PROJECT DESCRIPTION

- The City of Chandler (CITY) shall rehabilitate a section of major sewer interceptor pipeline location in McQueen Road, and numerous sewer manholes found to be in need of immediate attention. The sewer interceptor is a section of 30-inch and 33-inch T-Lock lined concrete pipe between Chandler Boulevard and Pecos Road along McQueen Road. The sewer manholes are associated with that segment of sewer pipeline. This rehabilitation will be accomplished through construction of cast in place pipe (CIPP) repairs as described in the Sewer and Manhole Rehabilitation Construction documents dated December 2006, project number WW0606-401.

SCOPE OF WORK

TASK 100 - PROJECT MANAGEMENT

General Project Management

ENGINEER shall perform project management necessary to monitor progress of the various elements of this project.

ENGINEER shall monitor progress on the construction activities monthly and compare the progress to the project schedule mutually agreed to by the CITY, ENGINEER, and CONTRACTOR.

TASK 200 - OFFICE ENGINEERING SERVICES

Coordination with MCESD

ENGINEER shall complete the necessary Approval of Construction and Permit to Operate applications, if required, and shall coordinate the review and approval process with the CITY and Maricopa County Environmental Services Department (MCESD). The CITY will pay all necessary review fees associated with this project.

Responses to Requests for Information

Questions and concerns that arise during construction will be documented using the Request for Information (RFI) format. ENGINEER shall review and respond in writing to the RFIs. Design team members will provide input such that decisions made in design are incorporated in the responses to RFIs generated during construction.

Shop Drawings Review

ENGINEER shall review shop drawings and other submittals for conformance to the design intent and concept of the project and for compliance with the Contract Documents. Such reviews will not extend to means, methods, or sequences of construction, or to safety precautions and programs

Periodic Site Visits

ENGINEER shall perform periodic site visits to ascertain the progress of the work, to participate in project progress meetings, or as requested by the CITY. Periodic site visits will be conducted an average of once a week, when construction activities warrant those visits, for a total of 24 visits. This work task also includes ENGINEER participation at the project Pre-Construction conference.

Post Rehabilitation CCTV Record

ENGINEER will coordinate the post installation video recording of the CIPP and rehabilitated manholes with the CONTRACTOR, and deliver the specified number of DVDs to the CITY. It will be the CONTRACTOR'S responsibility to hire and supervise the performance of a qualified CCTV contractor.

TASK 300 - POST CONSTRUCTION SERVICES

Project Closeout

At the conclusion of the project, ENGINEER shall prepare the CITY's copies of the CCTV post-construction condition of the rehabilitated sewer pipeline and manholes, reports generated by the CONTRACTOR during the CIPP installation process, and other documents required by the contract specifications. A Project closeout meeting will be conducted immediately following development of Final Payment that includes representatives of the ENGINEER, CITY and CONTRACTOR to evaluate how the process can be improved for the next project.

**EXHIBIT B
FEE SCHEDULE**

CONSTRUCTION PHASE TASKS	Categories						Subtotals
	Senior Professional	Project Professional	Professional	Assistant Professional	Senior Technician	Clerical	
Task 100 Project Management	\$190.51	\$163.30	\$148.18	\$123.98	\$90.72	\$63.50	
110 General Project Management	4	24	0	20	0	0	48
Subtotal Task 100	4	24	0	20	0	0	48
Task 200 Office Engineering Services							
210 Coordination with MCESD	0	2	8	0	0	0	10
220 Responses to Requests for Information	0	8	24	28	0	16	76
230 Shop Drawing Review	0	8	20	48	0	12	88
240 Periodic Site Visits, including Pre-Construction mtg)	0	16	22	58	12	28	136
250 Post Rehabilitation CCTV Record	0	4	12	20	0	16	52
Subtotal Task 200	0	38	86	154	12	72	362
Task 300 Post Construction Services							
310 Project Close out	1	6	18	12	12	8	57
Subtotal Task 300	1	6	18	12	12	8	57
Total - Rehabilitation Construction Phase - Man-Hours	5	68	104	186	24	80	467
Total - Labor Cost	\$953	\$11,104	\$15,411	\$23,060	\$2,177	\$5,080	\$57,785
DIRECT COST ALLOWANCES							
1.) Mileage, printing, DVD reproduction							\$700
NOTES							
1.) Field survey services are not included in this contract.							\$700
2.) Daily inspection of Contractor's activities are not included in this contract.							\$700
Total Direct Cost Allowances							\$700
TOTAL REHAB CM PHASE PROJECT COSTS							\$58,485