



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA08-038**

1. Agenda Item Number:
23

2. Council Meeting Date:
September 6, 2007

TO: MAYOR & COUNCIL

THROUGH: CITY MANAGER

3. Date Prepared: August 20, 2007

4. Requesting Department: Public Works

5. SUBJECT: Approval of Contract Amendment No. 2 in the amount of \$179,810.00 to the design services contract with Engineering and Environmental Consultants, Inc. for the Dobson Road/Chandler Boulevard Intersection Improvement, Project No. ST0503-201, for a revised contract total of \$794,841.00.

6. RECOMMENDATION: Staff recommends Council approve Contract Amendment No. 2 in the amount of \$179,810.00 to the design services contract with Engineering and Environmental Consultants, Inc. for the Dobson Road/Chandler Boulevard Intersection Improvement, Project No. ST0503-201, for a revised contract total of \$794,841.00.

7. BACKGROUND/DISCUSSION: The intersection improvements are required to relieve congestion at this high traffic volume, major arterial intersection. The project consists of the design and preparation of contract documents for intersection widening to provide three thru lanes in each direction, right turn lanes in each direction, bus bays in each direction, queue jumper lanes for bus rapid transit on Chandler Boulevard, dual left turn lanes in each direction, bike lanes in each direction, storm drainage/retention, utility relocation, new traffic signals, landscaping, and legal descriptions. This project also includes the addition of two auxiliary lanes on Dobson Road, median modifications, street light improvements, and a mill and overlay on Dobson Road from Chandler Boulevard to Frye Road.

This contract amendment will allow for additional design services to:

1. Relocate the retention basin from the east side of Dobson Road to the west side to accommodate development of a new medical office. (\$4,990)
2. Perform a new cultural survey required by the State Historical Preservation Office resulting from the non-concurrence letter issued regarding the property and the potential remnants of prehistoric canals that may occur in the vicinity of the basin. This order requires an archaeological monitor to inspect the excavation of the retention basin during construction. (\$12,187)
3. Remove and replace of an existing asbestos cement pipe (ACP) waterline as requested by the Municipal Utilities Department (MUD). This will require the plans to be augmented by approximately 25 additional plan and profile sheets based on the length of pipes provided by MUD.(\$124,850)
4. Identify property acquisitions, review title reports, and coordinate with Real Estate. (\$4,680)
5. Additional survey including field work. (\$11,850)
6. Prepare legal descriptions and exhibits for an additional 37 properties. (\$19,425)
7. Additional SRP coordination due to the relocation of the retention basin and the replacement of the ACP waterline. (\$1,828)

8. EVALUATION: Engineering and Environmental Consultants, Inc. was selected in accordance with established City policies and procedures. Council awarded the engineering services contract on September 8, 2004.

9. FINANCIAL IMPLICATIONS:

Total Design Contract:		\$ 615,031
Contract Amendment No. 2:	(29.23%)	<u>\$ 179,810</u>
Revised Contract Amount:		\$ 794,841
Savings:		N/A
Long Term Costs:		N/A

Fund Source:

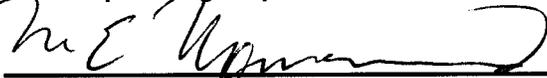
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
411.3310.0000.6517.7ST314	GO Bonds – Streets	Dobson Chandler Intersection	FY06/07	\$54,960
601.3820.0000.6714.8WA110	Water Bond	System Upgrades During Street Repair	FY 07/08	\$124,850

10. PROPOSED MOTION: Move that Council approve Contract Amendment No. 2 in the amount of \$179,810 to the design services contract with Engineering and Environmental Consultants, Inc. for the Dobson Road/Chandler Boulevard Intersection Improvement, Project No. ST0503-201, for a revised contract total of \$794,841.00, and authorize the Mayor to sign the contract documents.

ATTACHMENTS: Location Map

APPROVALS

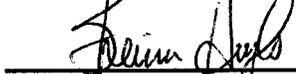
11. Requesting Department


 Michael Normand, Acting Assistant Public Works
 Director/Transportation & Operations

13. Department Head


 Daniel W. Cook, Acting Public Works Director

12. City Engineer


 Sheina Hughes, Acting Assistant Public Works
 Director/City Engineer

14. City Manager


 W. Mark Pentz



Chandler Arizona

AMENDMENT NUMBER 2

Project Name: Dobson Road/Chandler Boulevard Intersection Improvements
Project No.: ST0503-201

This Amendment No. 2 to that certain Agreement Between the City Of Chandler (CITY) and Engineering and Environmental Consultants, Inc., an Arizona Corporation, for Dobson Road/Chandler Boulevard Intersection Improvements dated 8, September, 2004 is entered into this 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. Section 2 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. Section 3 of the above referenced Agreement is hereby amended by increasing the total Contract Price by an amount not to exceed the sum of One Hundred Seventy Nine Thousand Eight Hundred Ten dollars (\$179,810) all payable in accordance with Exhibit B, for a total Contract Price not to exceed the sum of Seven Hundred Ninety Four Thousand Eight Hundred Forty One dollars (\$794,841).
3. Section 4 of the above reference agreement is hereby amended to add 683 additional days to the contract time (new end date of March 14, 2009).
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 ___, 2007.

CITY OF CHANDLER:

By: _____
MAYOR Date

APPROVED AS TO FORM:

City Attorney

ATTEST:

City Clerk

ENGINEER

By: [Signature]
Title: VICE PRESIDENT - BRANCH MGR.

ATTEST: (If corporation)
[Signature]
Secretary

WITNESS: (If Individual or Partnership)

SEAL

ACKNOWLEDGE BY:

User Department Signature: _____ Date: _____
Recommended: CITY ENGINEER Date

_____ Title
Recommended: DEPARTMENT DIRECTOR Date: _____

Amendment No. 2 cont.

Project No. ST0503-201

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

ORIGINAL CONTRACT AMOUNT	\$ 615,031.00
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)	\$ 615,031.00
NET INCREASE / DECREASE (Resulting from this amendment)	\$ 179,810.00
REVISED CONTRACT PRICE (Including this amendment)	\$ 794,841.00
AMENDMENT PERCENTAGE (Of original contract price)	29.23%
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments)	965 (Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)	683 (Days or Date)
REVISED CONTRACT TIME (Including this amendment)	1,648 (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>2</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: 8/26/04 ITEM NO.: 11, if applicable	
COUNCIL APPROVAL: _____ ITEM NO: _____, if applicable	

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

EXHIBIT A

The ENGINEER shall:

- Relocate the retention basin-Environmental Clearance.
ENGINEER shall relocate the storm water retention basin from the east side of Dobson Road to the west side after it was determined that plans for a new medial office, conflicted with the location of the retention basin, were submitted and approved by the City. This change in scope resulted in a redesign of the influent storm water piping and retention basin configuration. In addition, this change also required a new cultural survey by the ENGINEER. As a result of the new survey, the State Historic Preservation Office (SHPO) issued a non-concurrence letter regarding the property. They feel that there is still important information to be learned from the potential remnants of prehistoric canals that may occur in the vicinity of the basin. In order to expedite this process, SHPO will require an archaeological monitor to inspect the excavation of the retention basin during the construction phase of the project. Environmental clearance can be provided by SHPO subsequent to their concurrence of a monitoring plan detailing the manner in which this work will be undertaken.
- Remove and replace existing ACP waterline.
The City has requested that the ACP pipe within the project limits be removed and replaced in accordance with the requirements of the Municipal Utilities District (MUD). This change of scope will require the ENGINEER to coordinate activities with MUD to identify the ACP pipe and to design replacement pipe systems per MUD standards. In order to accomplish this task, it is estimated that the plans will be augmented by approximately 25 additional sheets based on the length of pipes provided by MUD at this time.
- Acquire right-of-way requirements/legal descriptions.
In order to contract (copy attached), the project was broken into two phases. Phase 1 being the Design Concept Report (DCR) and Phase 2 being the Plans, Specifications and Estimates. Under Phase 1, Task 1.10 the ENGINEER was required to identify the proposed property acquisitions and prepare legal descriptions to be used during the design phase as part of the acquisition process. Estimations were based on a maximum of 5 properties. To date, the actual number of parcels of land associated with this project is 15 parcels of land comprised of 42 descriptions and exhibits.

Phase 2 of the contract does not identify any hours related to the preparation of detailed legal descriptions, certified exhibits and closure documentation. Since the majority of the detailed work is accomplished during the design phase of the project, the ENGINEER has incurred significant costs related to this activity. Moreover, utility coordination especially with SRP has compounded this issue due to the additional revisions to easements resulting from their changes in underground alignments.

The ENGINEER's team effort has required to collect vesting deeds, survey new property lines, prepare right-of-way acquisitions and easements for considerable more parcels than originally anticipated and therefore require compensation.

In addition, additional revisions to the legal descriptions and the design plans resulting from SRP's recommended changes and also due to the removal and replacement of the ACP water lines are anticipated. An allowance will be added for the additional effort associated with the utility coordination.

EXHIBIT B

Service	Cost
Relocation of Retention Basin	\$ 19,005.00
Phase 1-Preliminary Analysis	
Review of Existing Facilities	\$ 2,180.00
Project Orientation	\$ 1,820.00
Utilities Coordination and Potholing (30 X \$500 each)	\$ 30,290.00
Alignment Analysis	\$ 9,810.00
Kickoff/Progress Meetings (4 mtgs.)	\$ 4,330.00
Phase 2-Design and Bid Documents	
Prepare Specifications for 60% Submittal	\$ 11,620.00
60% Prepare Cost Estimate	\$ 5,260.00
60% Submittal	\$ 27,310.00
60% QA/QC	\$ 1,320.00
95% Address Comments from 60% Design Submittal	\$ 2,540.00
Prepare 95% Specifications	\$ 4,800.00
95% Submittal	\$ 6,320.00
95% QA/QC	\$ 660.00
Address Comments from 95% Submittal	\$ 1,450.00
Complete Plans & Specifications, Cost Estimate	\$ 4,400.00
Phase 3-Bidding Assistance	
Attend PreBid Meeting	\$ 1,000.00
RFI Response	\$ 1,920.00
Traffic Control	\$ 2,300.00
Mileage, Printing and Deliveries	\$ 5,520.00
Property Acquisitions, Title Reports, Coord. with Real Estate	\$ 4,680.00
Survey	\$ 11,850.00
Legal Descriptions/Exhibits (37)	\$ 19,425.00
Total	\$ 179,810.00



CHANDLER BLVD. AND DOBSON RD. INTERSECTION IMPROVEMENTS PROJECT NO. ST0503-201

MEMO NO. CA08-038

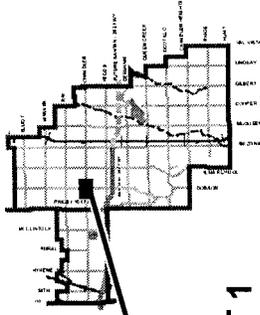
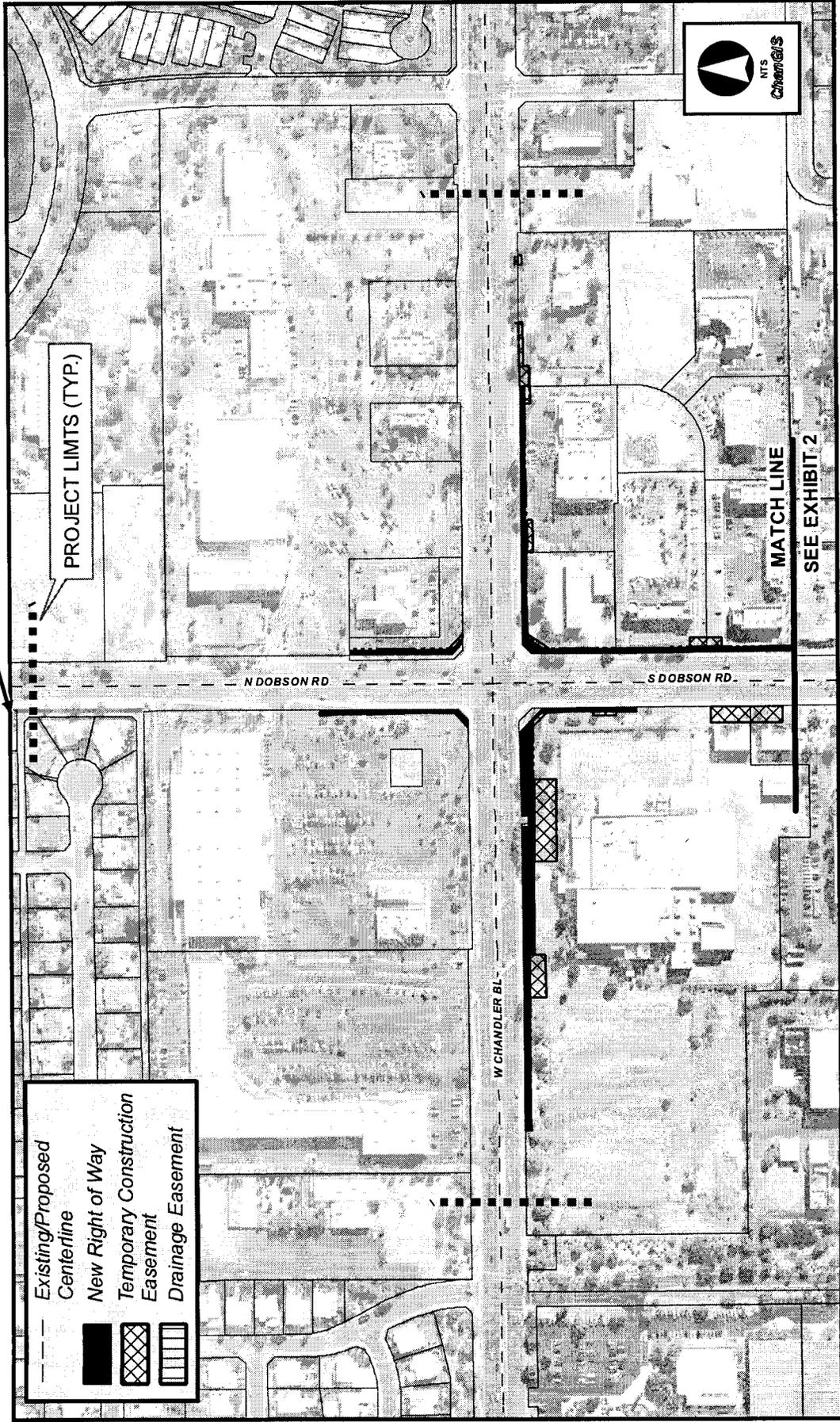


EXHIBIT 1





CHANDLER BLVD. AND DOBSON RD. INTERSECTION IMPROVEMENTS PROJECT NO. ST0503-201

MEMO NO. CA08-038

EXHIBIT 2

