



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA08-006**

1. Agenda Item Number:

37

2. Council Meeting Date:
August 9, 2007

TO: MAYOR & COUNCIL

3. Date Prepared: July 30, 2007

THROUGH: CITY MANAGER

4. Requesting Department: Public Works

5. SUBJECT: Approval of Contract Amendment No. 1 in the amount of \$79,524 to the design services contract with Olsson Associates for the Riggs Road Improvements from Gilbert Road to Val Vista Drive, Project No. ST0613-201, for a revised contract total of \$579,571.

6. RECOMMENDATION: Staff recommends Council approve Contract Amendment No. 1 in the amount of \$79,524 to the design services contract with Olsson Associates for the Riggs Road Improvements from Gilbert Road to Val Vista Drive, Project No. ST0613-201, for a revised contract total of \$579,571.

7. BACKGROUND/DISCUSSION: Improvements to Riggs Road are needed to meet the increasing traffic demands of this area in southeast Chandler. The Riggs Road Improvements from Gilbert Road to Val Vista Drive consist of designing and constructing three through lanes in each direction with left turn lanes, right turn lanes, bus bays, bike lanes, new traffic signals, raised landscaped medians, street lights, curb, gutter, sidewalk, and retention basins for storm drainage. This project also includes the addition of various lengths of domestic water, reclaimed water, and sanitary sewer mains and stub outs along various portions of infill areas along Riggs Road. The relocation of various portions of Salt River Project (SRP) water and 69 Kilovolt (kV) power are also required. This project will complete Riggs Road to the eastern boundary of the City of Chandler.

This amendment is for additional design services to:

1. Include the east half street improvements for Hillcrest Drive from Riggs Road to 1050 feet north to the Chandler Mesquite Groves Aquatic Center project site. Including roadway, drainage, survey, utility coordination, landscape, lighting, signing and marking design. These improvements are being removed from the Mesquite Groves Aquatic Center project in effort to realize savings by performing this work in conjunction with the Riggs Road Improvements. (\$23,374)
2. Prepare additional legal descriptions for 2 right-of-way parcels, 5 drainage easements, 16 temporary construction easements, and 23 utility easements. The number of temporary construction easements and utility easements were unknown and were to be determined during the design process. (\$10,110)
3. Finalize reclaimed irrigation booster pump design for Riggs Road. Provide design and specifications for the required booster pump stations, and coordinate with Salt River Project to define the power source and provide electrical distribution plan. (\$10,000)
4. Locate bus shelter pads and bus stop locations along the project corridor for the planned Proposition 400 transit services. The original scope did not include design services for bus stop locations and pads. (\$1,570)
5. Provide a lane taper to 1450 feet east of Val Vista Road intersection. The original scope of work terminated 700 feet past the centerline. (\$5,320)
6. Extend an existing sanitary sewer line approximately 965 feet to the City well site at the southwest corner of Riggs Road and Val Vista Drive for future development of this site. The need for this sewer extension was not determined until design was in progress. (\$4,860)
7. Perform 10 additional utility location potholes. During the course of design utility conflicts necessitate additional utility location services. (\$4,750)
8. Provide additional project management, utility coordination, meetings, miscellaneous design tasks, and add reimbursable expenses. (\$19,540)

8. EVALUATION: Olsson Associates was selected in accordance with established City policies and procedures. Council awarded the engineering services contract on May 25, 2006.

9. FINANCIAL IMPLICATIONS:

Total Design Contract: \$ 500,047
 Contract Amendment No. 1: (15.90%) \$ 79,524
 Revised Contract Amount: \$ 579,571

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>
415.3310.0000.6517.7ST547	Arterial Street Impact Fees	Riggs Road, Gilbert Road to Val Vista Drive	FY06/07	\$37,332
217.3310.0000.6517.7ST547	Grant Fund - County DOT	Riggs Road, Gilbert Road to Val Vista Drive	FY06/07	\$37,332
601.3820.0000.6714.8WA110	Water Revenue Bonds	System Upgrades During Street Repair Projects	FY07-08	\$ 4,860

10. PROPOSED MOTION: Move that Council approve Contract Amendment No. 1 in the amount of \$79,524 to the design services contract with Olsson Associates for the Riggs Road Improvements from Gilbert Road to Val Vista Drive, Project No. ST0613-201, for a revised contract total of \$579,571, 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

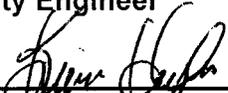
13. Department Head



For D.S.

Dave Siegel, Municipal Utilities Director

12. City Engineer



Sheina Hughes, Acting Assistant Public Works Director/City Engineer

14. Department Head



Daniel W. Cook, Acting Public Works Director

15. City Manager



W. Mark Pehtz



Chandler Arizona

AMENDMENT NUMBER 1

Project Name: Riggs Road Improvements – Gilbert Road to Val Vista Road
Project No.: ST0613-201

This Amendment No. 1 to that certain Agreement Between the City Of Chandler (CITY) and Olsson Associates, Inc., a Nebraska corporation, licensed to business in the State of Arizona, for the Riggs Road Improvements – Gilbert Road to Val Vista Road dated 30, May, 2006 is entered into this day of , 2007.

WHEREAS the parties have determined that it is necessary and desirable for DESIGN CONSULTANT 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 Exhibit A attached hereto and incorporated herein by reference.
2. Section 3 of the above reference Agreement is hereby amended by increasing the total Design Price by an amount not to exceed the sum of eighty thousand four hundred ninety-nine dollars (\$79,524) payable in accordance with Exhibit B attached hereto and incorporated herein by reference for a total Contract Price not to exceed the sum of five hundred eighty thousand five hundred forty-six dollars (\$579,571.00).
3. 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

DESIGN CONSULTANT:

BY: _____
Title: TEAM LEADER

ATTEST: (If corporation)

Secretary

WITNESS: (If Individual or Partnership)

SEAL

ACKNOWLEDGE BY:

User Department Signature: _____ Date: _____

_____ Title

Recommended: CITY ENGINEER Date

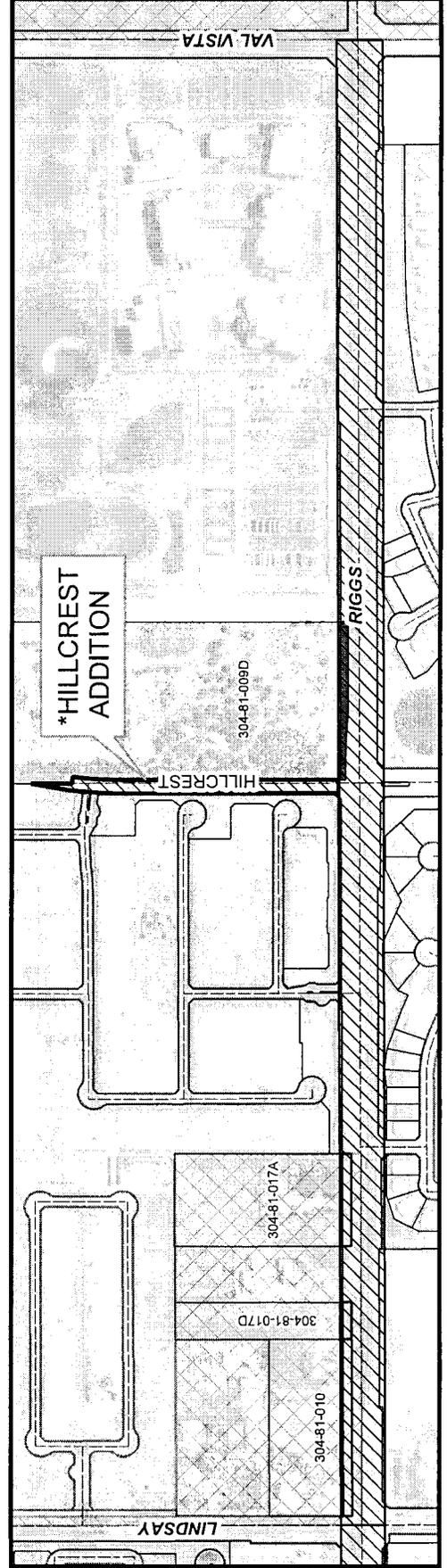
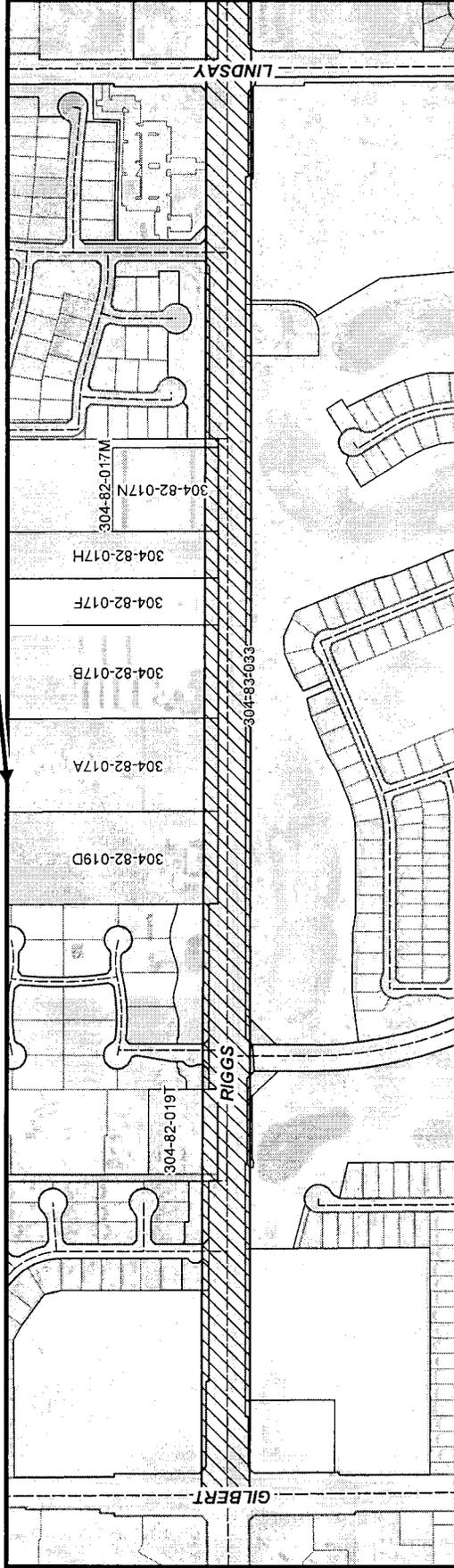
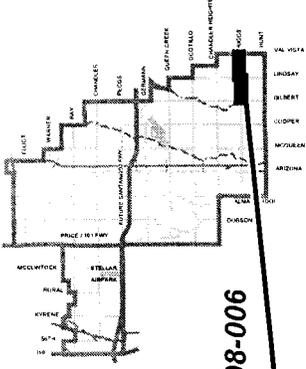
Recommended: DEPARTMENT DIRECTOR Date:



RIGGS ROAD IMPROVEMENTS FROM GILBERT RD. TO VAL VISTA DR. PROJECT NO. ST0613-201

MEMO NO. CA08-006

 ROAD IMPROVEMENTS



Amendment No. 1 cont.

Project No. ST0613-201

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

ORIGINAL CONTRACT AMOUNT	\$ 500,047.00
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)	\$ 500,047.00
NET INCREASE / DECREASE (Resulting from this amendment)	\$ 79,524.00
REVISED CONTRACT PRICE (Including this amendment)	\$ 579,571.00
AMENDMENT PERCENTAGE (Of original contract price)	15.90%
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments)	266 2/27/07 (Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)	180 (Days or Date)
REVISED CONTRACT TIME (Including this amendment)	446 8/26/07 (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: 5/9/06 ITEM NO.: 41 if applicable	
COUNCIL APPROVAL: _____ ITEM NO: _____, if applicable	

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

EXHIBIT A

Amendment No. 1 cont.
Project No. ST0613-201

A. BACKGROUND

Services shall consist of the design required for: pavement widening on the north leg of the Sungroves/Hillcrest intersection with Riggs Road to accommodate opposing left turns and the thru and bike lane from the south, the Mesquite Groves Aquatic Center Offsite Improvements on Hillcrest Drive; roadway booster pump station irrigation services from Arizona Avenue to Gilbert and from Gilbert to Val Vista; bus shelter pads and bus bays, and sewer line extension.

B. GENERAL TASKS

B 6.0 SURVEY

1. DESIGN CONSULTANT shall perform ground survey of:

- a. Riggs Road beginning 700' east of the intersection of Riggs with Val Vista to 1450' east of the centerline of Val Vista Road.
- b. Sungroves Boulevard from the intersection of Riggs with Hillcrest/Sungroves to south of the existing median.
- c. Lindsay Road beginning 200' north of the intersection of Riggs with Lindsay to 1050' north of the centerline with Riggs Road.
- d. The north leg of the intersection of Riggs with Hillcrest Drive to approximately 230' north of the intersection from the west curb to the existing western R/W line.
- e. Verify survey benchmarks and survey data provided by the CITY for Hillcrest Drive beginning at the north leg of the intersection of Riggs with Hillcrest/Sungroves up to the entrance of the park approximately 1050' north.

2. DESIGN CONSULTANT shall prepare:

- a. The preparation of additional written legal descriptions and exhibits for the acquisition of permanent right of way.
- b. The preparation of additional written legal descriptions and exhibits as needed for temporary drainage easements.
- c. The preparation of additional written legal descriptions and exhibits for temporary construction and utility easements.

B 7.0 ROADWAY DESIGN

1. DESIGN CONSULTANT shall provide Paving Plans to include bus shelter pads, and bus stop locations along the project corridor (11 ea) as well as relocations/removals as needed for these shelters.
2. DESIGN CONSULTANT shall provide Paving Plan & Profile Sheets to include the paving required from: 700' East to 1450' East of the intersection w/ Val Vista, 90' North to 500' North of the intersection w/ Riggs on Hillcrest.
3. DESIGN CONSULTANT shall provide removal sheet, paving plan and profile as needed for the roadway improvements on Hillcrest from the intersection with Riggs Road north 1050' to the entrance of the Mesquite Groves Aquatic Center. DESIGN CONSULTANT shall incorporate/review/verify the 100% design for the offsite improvements provided by the CITY, and modify the plans as needed for consistency with the Riggs Road Plans. The design will be coordinated to tie in with the Mesquite Groves Aquatic Center. A separate estimate will be provided for the roadway items.

B 8.0 DRAINAGE DESIGN

1. DESIGN CONSULTANT shall provide construction documents for the drainage improvements associated with the roadway improvements on Hillcrest from the intersection with Riggs Road north 1050' to the entrance of the Mesquite Groves Aquatic Center within Hillcrest right of way per the recommendations in the 'Mesquite Groves Aquatic Center Drainage Report' provided by the CITY and dated March 2007. This scope does not include work to incorporate Hillcrest Drive drainage into the Riggs Road drainage report.

B 9.0 WATER AND SANITARY SEWER DESIGN

1. DESIGN CONSULTANT shall provide Sewer Plan & Profile Sheets to extend the existing sewer line along Riggs Road. The sewer line extension shall connect to an existing manhole at approximately Station 190+35 and extend east to approximately Station 200+00. The new sewer line will extend to a point ten feet beyond the south right-of-way line. The sewer line size shall be an 8-inch line. Minimal slope and depth may be utilized in the design. The sewer line extension is to service a parcel owned by the City of Chandler.
2. DESIGN CONSULTANT shall review existing fire hydrant layout, and provide a design along Riggs Road to meet the City of Chandler's requirement for fire hydrant spacing.
3. DESIGN CONSULTANT shall review existing fire hydrant layout, and provide a design within the Hillcrest Drive proposed right of way to meet the City of Chandler's requirement for fire hydrant spacing.

B 10.0 TRAFFIC SIGNALS/SIGNING/PAVEMENT MARKING

1. DESIGN CONSULTANT shall provide signing/pavement marking plan as needed for the pavement required 700' East to 1450' East of the intersection w/ Val Vista, 200' North to 1050' North of the intersection w/ Riggs on Lindsay.
2. DESIGN CONSULTANT shall provide signing/pavement marking plan as needed for the Hillcrest Road improvements beginning from the intersection with Riggs Road north 1050' to the entrance of the Mesquite Groves Aquatic Center.
3. DESIGN CONSULTANT shall provide signing as needed for the bus stops.

B 12.0 LANDSCAPE & IRRIGATION DESIGN

1. DESIGN CONSULTANT shall provided the following services:
 - a. Phase 1- Riggs Road: Arizona Avenue to Gilbert (3 miles)
 1. Review the pump design.
 2. Analyze existing reclaimed supply pressures.
 3. Revise the booster pump station design if required for a more cost effective solution.
 - b. Phase 2- Riggs Road: Gilbert to Val Vista (2 miles)
 1. Select and specify a booster pumping station for the project consistent with CITY and the project requirements.
 2. Analyze existing reclaimed supply pressures.
 3. Coordinate as required.
2. DESIGN CONSULTANT shall coordinate with Salt River Project (SRP) to define a power source to serve the booster pumps.
3. DESIGN CONSULTANT shall prepare an electrical distribution plan as need for the booster pumps.
4. DESIGN CONSULTANT shall design the pumps to provide the required irrigation within the allowed water window.
5. DESIGN CONSULTANT shall provide plans as need for the offsite landscape and irrigation improvements within the proposed right-of-way on Hillcrest Drive from the intersection with Riggs Road north 1050' to the entrance of the Mesquite Groves Aquatic Center. DESIGN CONSULTANT will incorporate the design provided by the CITY and modify the plans as needed for consistency with the Riggs Road Plans.

B 15.0 UTILITY LOCATING SERVICES (POTHOLING)

1. Ten additional utility location potholes will be done through an Allowance.

EXHIBIT B

Amendment No. 1 cont.
Project No. ST0613-201

FEE SCHEDULE
RIGGS ROAD IMPROVEMENTS (GILBERT ROAD TO VAL VISTA ROAD)

DESCRIPTION OF WORK	FEE
Project Management / Data Collection / Utility Coordination / Roadway Design	\$23,070.00
Survey / Right of Way (750' E of Val Vista on Riggs, Median S of Sungroves Intersection, 850 N of Riggs on Lindsay, N leg of Hillcrest Drive)	\$9,990.00
Signing and Marking	\$2,445.00
Drainage	\$1,764.00
Water and Sanitary Sewer Design	\$6,305.00
Landscape	
Coordinate w/ Subconsultant	\$1,000.00
Phase 1 Booster Pump Design	\$4,200.00
Phase 2 Booster Pump Design	\$3,200.00
Landscape/Irrigation Review/Verify (90' N of Riggs to 1050' N of Riggs on	\$4,672.00
Electrical for Booster Pump	\$1,600.00
Electrical for Entry Monument	\$900.00
Lighting (90' N of Riggs to 1050' N of Riggs on Hillcrest)	\$818.00
Allowance for Legal Descriptions and Exhibits	
Permanent Right of Way (2 additional)	\$440.00
Permanent Drainage Easements (5 additional)	\$1,100.00
TCE & Utility Easements (additional – 16 TCE's, 23 utility easements)	\$8,570.00
Allowance for Potholing (Estimate additional 10 x \$475.00 each)	\$4,750.00
Allowance for Reproduction Costs/Courier Fees	\$4,700.00
Total Cost	\$79,524.00