



BOARD OF SUPERVISORS AGENDA ITEM REPORT
CONTRACTS / AWARDS / GRANTS

Requested Board Meeting Date: August 15, 2016

or Procurement Director Award

Contractor/Vendor Name (DBA): Structural Grace, Inc.

Project Title/Description:

Roadway Planning and Design Engineering Services for Sunset Road: Silverbell Road to River Road.

Purpose:

Amendment of Award: Contract No. CT- TR-14-181, Amendment No. Three (3) This amendment increases amount of the contract from \$3,073,409.00 to \$3,157,640.00. This amendment consists of a modification to the scope of services and a fee schedule for the additional post design services. Administering Department: Transportation.

Procurement Method:

Subsequent to Solicitation for Qualifications No. 91227 on November 4, 2013, the Board of Supervisors awarded a contract for this project in the amount of \$2,992,089.00 for a contract term of November 4, 2013 to November 3, 2017. Previous Amendments Nos. 1 and 2, extending the term of the contract to May 3, 2018 and totaling \$81,320.00 have been approved by the Board of Supervisors to address additional services determined during the design phase.

Attachment: Amendment No. Three (3)

Program Goals/Predicted Outcomes:

The goal is to develop final plans, specifications, and provide project management during the construction phase of the Sunset Road Project including post design services after construction acceptance.

Public Benefit:

The public benefit is that the roadway improvements of the Sunset Road corridor will accommodate the projected growth in the northwest Tucson region.

Metrics Available to Measure Performance:

The project design is completed, allowing for bidding and construction of roadway with minimum change and cost increase.

Retroactive:

No

TO: COB 7/26/2016
Vers. 8 PAGES: 8

Procure Dept 07/25/16 PM03:32

Original Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Effective Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
 Expense Amount: \$ _____ Revenue Amount: \$ _____
Funding Source(s): _____

Cost to Pima County General Fund: \$ _____

Contract is fully or partially funded with Federal Funds? Yes No Not Applicable to Grant Awards
Were insurance or indemnity clauses modified? Yes No Not Applicable to Grant Awards
Vendor is using a Social Security Number? Yes No Not Applicable to Grant Awards

If Yes, attach the required form per Administrative Procedure 22-73.

Amendment Information

Document Type: CT Department Code: TR Contract Number (i.e., 15-123): 14-181
Amendment No.: Three (3) AMS Version No.: Eight (8)
Effective Date: August 15, 2016 New Termination Date: na
 Expense Revenue Increase Decrease Amount This Amendment: \$84,231.00
Funding Source(s): Tucson Mountain Area Impact Fees

Cost to Pima County General Fund: \$00.00

Contact: Anthony V. Schiavone *[Signature]* 7-12-16
Department: Procurement *[Signature]* 7/18/16 Telephone: 724-3245
Department Director Signature/Date: *[Signature]* 7/14/16
Deputy County Administrator Signature/Date: *[Signature]* 7/18/16
County Administrator Signature/Date: *[Signature]* 7/18/16
(Required for Board Agenda/Addendum Items)

PIMA COUNTY DEPARTMENT OF TRANSPORTATION	
PROJECT:	ROADWAY PLANNING AND DESIGN ENGINEERING SERVICES FOR SUNSET ROAD: SILVERBELL ROAD TO RIVER ROAD
CONSULTANT:	Structural Grace, Inc. 1430 E. Ft. Lowell Rd., Suite 200 Tucson, AZ 85719
CONTRACT NO.:	CT-TR-14000000000000000181
AMENDMENT NO.:	Three (3)
FUNDING:	Tucson Mountain Area Impact Fees

CONTRACT
NO. <u>CT-TR-14-181</u>
AMENDMENT NO. <u>03</u>
This number must appear on all invoices, correspondence and documents pertaining to this contract.

CONTRACT TERM: 11/4/13 to 11/3/17	ORIGINAL CONTRACT AMOUNT:	\$	2,992,089.00
TERMINATION PRIOR AMENDMENT: 5/3/18	PRIOR AMENDMENT(S):	\$	81,320.00
TERMINATION THIS AMENDMENT: 5/3/18	AMOUNT THIS AMENDMENT:	\$	84,231.00
	REVISED CONTRACT AMOUNT:	\$	3,157,640.00

CONTRACT AMENDMENT

WHEREAS, COUNTY and CONSULTANT have entered into the Contract referenced above; and

WHEREAS, COUNTY has determined that additional services for post design phase would be in the best interest of the COUNTY; and

WHEREAS, the CONSULTANT has agreed to complete the work with no change in rates; and

WHEREAS, the COUNTY and CONSULTANT have agreed to these revisions.

NOW, THEREFORE, it is agreed as follows:

CHANGE ARTICLE II – SCOPE OF SERVICES, first paragraph, as previously modified in Amendment 2, as follows:

FROM: CONSULTANT agrees to provide roadway planning and design engineering services for the COUNTY as described in **APPENDIX A: SCOPE OF SERVICES** (99 pages) and **APPENDIX A-1: ADDITIONAL SCOPE OF SERVICES** (3 pages), and further modified in **APPENDIX A-2: MODIFICATIONS TO SCOPE OF SERVICES** (3 pages), attachments to this Contract.

TO: CONSULTANT agrees to provide roadway planning and design engineering services for the COUNTY as described in **APPENDIX A: SCOPE OF SERVICES** (99 pages) and **APPENDIX A-1: ADDITIONAL SCOPE OF SERVICES** (3 pages), **APPENDIX A-2: MODIFICATIONS TO SCOPE OF SERVICES** (3 pages), and further modified in **APPENDIX A-3: MODIFICATIONS TO SCOPE OF SERVICES** (3 pages), attachments to this Contract.

ADD the attached **APPENDIX A-3: MODIFICATIONS TO SCOPE OF SERVICES** (3 pages) to the Contract.

CHANGE all references to **APPENDIX B-2: REVISED CONSULTANT FEE SCHEDULE RESULTING FROM AMENDMENT 2** (2 pages), as previously modified in Amendment 2, to:

APPENDIX B-2: REVISED CONSULTANT FEE SCHEDULE RESULTING FROM AMENDMENT 2 (2 pages), and further modified in **APPENDIX B-3: FEE SCHEDULE - ADDITIONAL POST DESIGN SERVICES** (3 pages)

ADD the attached **APPENDIX B-3: FEE SCHEDULE – ADDITIONAL POST DESIGN SERVICES** (3 pages) to the Contract.

m4

CHANGE the first sentence of the first paragraph of ARTICLE III – COMPENSATION AND PAYMENT, as previously modified in Amendment 1, as follows:

FROM: In consideration of the services specified in this Contract, the COUNTY agrees to pay CONSULTANT Not To Exceed Three Million, Seventy-three Thousand, Four Hundred Nine Dollars (\$3,073,409.00).

TO: In consideration of the services specified in this Contract, the COUNTY agrees to pay CONSULTANT Not To Exceed Three Million, One Hundred Fifty-seven Thousand, Six Hundred Forty Dollars (\$3,157,640.00).

Amendment shall be effective on August 15, 2016.

All other provisions of the Contract, not specifically changed by this amendment, shall remain in effect and be binding upon the Parties.

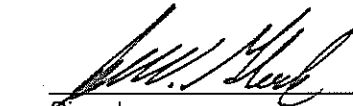
IN WITNESS WHEREOF, the parties have affixed their signatures to this amendment on the dates written below.

PIMA COUNTY:

Chair, Board of Supervisors

Date

CONSULTANT:



Signature
James W. Glock
Office Manager

Name and Title (Please Print)
7/18/16

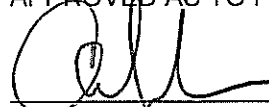
Date

ATTEST:

Clerk of the Board

Date

APPROVED AS TO FORM:

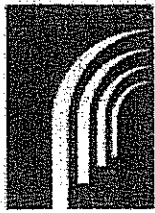


Deputy County Attorney

ANDREW FLAGG

Name (printed)
7/14/2016

APPENDIX A-3: MODIFICATIONS TO SCOPE OF SERVICES (3 pages)



*Structural
Grace, Inc*

June 29, 2016

Jason Bahe, Project Manager
Pima County Department of Transportation
201 N. Stone Avenue, 4th Floor
Tucson, Arizona 85701-1207

**Subject: *Sunset Road: Silverbell Road to River Road (Corridor)*
 Project Number 4RTSUN
 Contract Amendment No. 3
 *Task 3.30 Additional Services -- Post Design***

Dear Mr. Bahe:

As you are aware, all of the contingency Additional Services funds have been authorized and allocated to Task 3.30, Additional Services – Post Design Services. A breakdown of the sub-allocation and expenditure of those funds for Post Design Services is summarized below. The project is still ten months from completion and the unexpended funds in Task 3.30, Additional Services – Post Design Services will not be sufficient to cover the anticipated remaining post design support effort as outlined in the scope of services.

A total of \$76,268 has been allocated from contingency Additional Services with \$8,910 reallocated from AECOM's unexpended original contract tasks providing a total of \$85,178 for Task 3.30, Additional Services - Post Design Services to date. Utilization of these funds is as follows:

AECOM: \$10,910. This amount covers AECOM's staff time at the partnering/preconstruction/value analysis meeting, and addressing issues associated with archeological recovery/excavation conflicts and minor inquiries. \$8,854.25 has been invoiced through May 31. The work for TEP to underground a portion of their Sunset Feeder Line is being covered by this amount. The \$10,910 is made up of the original \$8,910, plus an additional \$2,000 from funds made available to cover the ongoing TEP relocation design effort. An additional \$5,000 will be allocated through this CA#3.

PB: \$5,000. This amount covers PB's staff time addressing issues associated with the archeological recovery/excavation conflicts and minor inquiries. \$2,384.01 has been invoiced to date, leaving \$2,615.99 remaining.

SCE (NCS): \$5,000. This amount covered SCE's staff time addressing geotechnical related issues. SCE responded to Submittals #6 and #20. SCE has invoiced \$3,206 for their efforts. Their

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Phoenix, Arizona 85004
(602) 437-2551
Fax (602) 437-7244
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1430 E. Ft. Lowell Rd, Suite 200
Tucson, Arizona 85719
(520) 320-0156
Fax (520) 320-0157

Unique Approach - Unique Solution

Sunset Road: Silverbell Road to River Road (Corridor)
Project Number 4RTSUN
Contract Amendment No. 3
Additional Services – Post Design Services
July 5, 2016

contract has been cancelled and \$1,794 was returned to Task 3.30, Additional Services - Post Design Services to cover other costs.

EcoPlan: \$4,776. This amount covers EcoPlan's post design services associated with environmental issues. \$1,864.98 has been invoiced to date, leaving \$2,911.02 remaining.

Golder: \$5,000. This is the initial subcontracted amount established for Golder Associates' support of the remaining geotechnical-related post design services. The continuing integrity test result issues will require increasing this amount. \$10,000 was added to Golder Associates subcontract for a total subcontract value of \$15,000. With approval of CA#3, this total will be increased to cover continued integrity test result reviews and an evaluation of the test results provided by Hoque Engineering for Drilled Shaft #8 where the test tubes were also placed on the interior of the rebar cage.

SGL: \$46,286. This is the balance remaining after establishment of the above noted subcontracted services to cover SGL's costs since the beginning of the project and the inception of the post design services effort. \$40,631.60 has been invoiced against this balance through May 31, 2016. Only \$5,654.40 remains to cover SGL activities through the end of the project.

The initial issues associated with the drilled shafts did add to the needed post design services support. The ongoing design effort for the civil plans for the TEP activities is also an atypical post design activity. Please let me know if you would like greater detail on our post design efforts to date.

With only \$11,515 remaining to cover SGL activities through the end of the project, additional funds will be needed based on our estimation of the remaining post design support effort. While there are balances remaining in the subconsultant subcontract amounts, invoices against those balances are anticipated through the remainder of the project and, in fact, depending upon the nature of the Post Design Services requests, may need to be augmented to cover future post design support.

I am attaching a fee estimate summary outlining what we believe may be anticipated from a Post Design Services support perspective. As the project moves forward and in particular after the bridge deck is poured, there is an anticipated drop off in Post Design Service needs. Until the deck pour, however, there will be a number of submittals that we believe PCDOT will be referring to SGL for review, such as a review of the deck reinforcing, the deck build-up dimensions, the screed elevations, etc. Also included in the fee estimate summary are additional amounts for the subconsultants that will only be expended should the need arise, including some effort to explore the potential for a cultural resources interpretive display.

I hope you find the level of detail provided in the fee estimate sufficient. I am anticipating PCDOT establishing a new allocation of Post Design Services draw down funds and the need for periodic drawdowns to augment the approved Post Design Services task amount. At this point in time, we would respectfully request, \$84,231 be added to the Post Design draw down fund allocation with authorization to invoice against \$30,000 of that amount.

Sunset Road: Silverbell Road to River Road (Corridor)
Project Number 4RTSUN
Contract Amendment No. 3
Additional Services – Post Design Services
July 5, 2016

If you have any questions or comments, please feel free to contact me (520) 320-0156 or via e-mail at jglock@structuralgrace.com.

Sincerely,



James W. Glock, PE
Design Manager

Attachments (1)

cc: Mindy Shimanek, SGI

APPENDIX B-3: FEE SCHEDULE – ADDITIONAL POST DESIGN SERVICES (3 pages)

**PIMA COUNTY
FEE ESTIMATE SUMMARY**

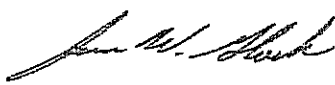
PROJECT: **Sunset Road: Silverbell Road to River Road**
 TASK(s): **3.30 Additional Services - Post Design Services**

CONSULTANT: **Structural Grace, Inc.**
 1430 E. Ft. Lowell Road, Suite 200
 Tucson, AZ 85719
 (520) 320-0156

CONTRACT NO.: **Sol. No. 91227**
 CONTRACT TYPE: **CPFF**
Contract Amendment 3

Direct Labor Cost

<u>Classification</u>	<u>Estimated Hours</u>	<u>Contracted Avg DL Rate</u>	<u>Labor Cost</u>
Project Principal	-	\$60.58	\$0.00
Project Manager	115	\$57.69	\$6,634.35
Senior Project Engineer	186	\$58.29	\$10,841.94
Project Engineer	-	\$50.97	\$0.00
Project Architect	-	\$46.00	\$0.00
Project Designer	-	\$33.75	\$0.00
Drafting/CADD/Graphics	50	\$33.07	\$1,653.50
Clerical	-	\$26.00	\$0.00
(A) Direct Labor	351 Hrs		<u>\$19,130</u>
OVERHEAD			
(B) OH Rate x (A)		169.60% x	\$19,130 = <u>\$32,444</u>
PROFIT			
(C) % Profit Rate x (A+B)		10.0% x	\$51,574 = <u>\$5,157</u>
Estimated Direct Expenses			
Travel			\$0.00
Plotting			\$0.00
Reproductions			\$0.00
Exhibits			\$0.00
Specialized Vendors			\$0.00
Reports			\$0.00
Van/Bus Rental			\$0.00
(D) Total Estimated Direct Expenses			<u>\$0</u>
Estimated Outside Services & Subconsultants			
Golder & Associates			\$10,000
AECOM			\$5,000
EcoPLan			\$2,500
PB			\$5,000
Wheat Design Group or Daniel Martin Diaz and Paula Valencia			\$5,000
(F) Total Estimated Outside Services & Subconsultants			= <u>\$27,500</u>
Estimated Additional Services			
(G) Total Estimated Additional Services as directed by PCDOT			= <u>\$0.00</u>
Estimated Fees			
(H) TOTAL CONSULTANT FEE			= <u>\$84,231</u>
Total for Contract Amendment 3			= <u>\$84,231</u>



 Jim Glock, PE
 Structural Grace, Inc.

5-Jul-16

 Date

Sunset Road: Silverbell Road to River Road
 Contract Amendment 14
 Post Design Services

Workhour Estimate by Task

MAIN TASK #	Main Task Description	SUB TASK #	Sub Task Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Project Architect	Project Designer	Drafting/CADD/Graphics	Clerical	TOTAL
6	Additional Services											
		330	Post Design Services	0	115	166	0	0	0	50	0	351
			Task Totals*	0	115	166	0	0	0	50	0	351
			TOTAL HOURS	0	115	166	0	0	0	50	0	351

