

**BOARD OF SUPERVISORS AGENDA ITEM REPORT  
CONTRACTS / AWARDS / GRANTS**

Requested Board Meeting Date: November 22 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. Four (4). This Amendment increases the amount of the contract from \$3,157,640.00 to \$3,196,791.00 and modifies the scope of services for 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, 2, and 3, extending the term of the contract to May 3, 2018 and totaling \$204,702.00, have been approved by the Board of Supervisors to address additional services determined during the construction phase of the project.

Attachment: Amendment No. Four (4)

**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

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TO: COB. 11-15-14 (1)  
pgs - 7 Addendum

Procure Dept 11/14/16 PM04:29

**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.: Four (4) AMS Version No.: Nine (9)

Effective Date: November 22, 2016 New Termination Date: na

Expense  Revenue  Increase  Decrease Amount This Amendment: \$ 39,151.00

Funding Source(s): Tucson Mountain Area Impact Fees

Cost to Pima County General Fund: \$00.00

Contact: Anthony V. Schiavone

Department: Procurement

Department Director Signature/Date: \_\_\_\_\_

Deputy County Administrator Signature/Date: \_\_\_\_\_

County Administrator Signature/Date:

*(Required for Board Agenda/Addendum Items)*

Reference 11-8-16

Telephone: 724-3245

11/8/16

11/10/16

11/9/16

11/14/16

**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.:** Four (4)

**FUNDING:** Tucson Mountain Area Impact Fees

**CONTRACT**

**NO.** CT-TR-14-181

**AMENDMENT NO.** 04

This number must appear on all  
invoices, correspondence and  
documents pertaining to this  
contract.

<b>CONTRACT TERM:</b> 11/4/13 to 11/3/17	<b>ORIGINAL CONTRACT AMOUNT:</b>	\$	2,992,089.00
<b>TERMINATION PRIOR AMENDMENT:</b> 5/3/18	<b>PRIOR AMENDMENT(S):</b>	\$	165,551.00
<b>TERMINATION THIS AMENDMENT:</b> 5/3/18	<b>AMOUNT THIS AMENDMENT:</b>	\$	39,151.00
	<b>REVISED CONTRACT AMOUNT:</b>	\$	3,196,791.00

**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 at an acceptable fee 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 3, 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), **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.

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), **APPENDIX A-3: MODIFICATIONS TO SCOPE OF SERVICES** (3 pages), and further modified in **APPENDIX A-4: MODIFICATION TO SCOPE OF SERVICES** (2 pages), attachments to this Contract.

**ADD** the attached **APPENDIX A-4: MODIFICATIONS TO SCOPE OF SERVICES** (2 pages) to the Contract.

**CHANGE** all references 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), as previously modified in Amendment 3, to:

**APPENDIX B-2: REVISED CONSULTANT FEE SCHEDULE RESULTING FROM AMENDMENT 2** (2 pages), **APPENDIX B-3: FEE SCHEDULE - ADDITIONAL POST DESIGN SERVICES** (3 pages), and further modified in **APPENDIX B-4: FEE SCHEDULE – ADDITIONAL POST DESIGN SERVICES** (3 pages), attachments to this Contract.

ADD the attached **APPENDIX B-4: FEE SCHEDULE – ADDITIONAL POST DESIGN SERVICES** (3 pages) to the Contract.

**CHANGE** the first sentence of the first paragraph of **ARTICLE III – COMPENSATION AND PAYMENT**, as previously modified in Amendment 3, as follows:

FROM: 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).

TO: In consideration of the services specified in this Contract, the COUNTY agrees to pay CONSULTANT Not to Exceed Three Million, One Hundred Ninety-six Thousand, Seven Hundred Ninety-one Dollars and Zero Cents (\$3,196,791.00).

This Amendment shall be effective on November 22, 2016.

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

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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, Project Manager  
Name and Title (Please Print)


11/9/16  
Date

**ATTEST:**

\_\_\_\_\_  
Clerk of the Board

\_\_\_\_\_  
Date

**APPROVED AS TO FORM:**

  
\_\_\_\_\_  
Deputy County Attorney

**ANDREW FLAGG**  
Name (printed)

11/9/2016



*Structural  
Grace, Inc*

November 3, 2016

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

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

Dear Mr. Bahe,

Pursuant to your request, please accept this request for Contract Amendment No. 4 to the Sunset Road: Silverbell Road to River Road (Corridor) project to accommodate the design effort associated with the addition of an east bound right turn lane east of the new bridge over the Santa Cruz River. This right turn lane will facilitate the development of the vacant property south of Sunset Road that is presently controlled by the Pima County Regional Flood Control District.

Efforts required as a result of this right turn lane include:

Plan / profile, signing and striping, and cross section sheets (at a minimum) will need to be modified by AECOM to reflect these changes. Also, irrigation sleeves will need to be extended 12'. It may make sense to connect these sleeves with the ones going under the Shared Use Path.

Landscaping plans will require modification by Wheat Design Group to address the removal of impacted vegetation and the associated modification to the irrigation system plans. Based upon Pima County Department of Transportation direction, there may also be the need to modify the erosion control plans.

The portion of the right turn lane that extends west of Sta 89+94.19 will require additional right of way. A legal description of this additional right-of-way and modification of the right-of-way plans, with subsequent staking of the new property corners will also be needed.

EcoPlan was consulted to verify that this would not trigger any environmental compliance issues. No environmental issues appear to be impacted by the addition of this right turn lane.

Based upon the small amount of additional impervious area introduced by the right turn lanes, no drainage modifications appear to be necessary at this time.

808 N. First Street  
Phoenix, Arizona 85004  
(602) 437-2551  
Fax (602) 437-7244  
www.structuralgrace.com

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. 4  
Additional Services – Post Design Services  
November 3, 2016

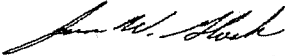
Overall consultant team coordination will also be required and based upon anticipated submittals for consultant team review, some additional project management effort will be required as well.

Additional post design service funding capacity is also requested based upon the project's history. These hours associated with this capacity will not be utilized unless authorized by Pima County Department of Transportation.

The attached fee estimate details the costs associated with this request, totaling: **\$39,151.**

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

Sincerely,



James W. Glock, PE  
Design Manager

Attachments (1)

cc: Mindy Shimanek, SGI

APPROVED:



**APPENDIX B-4: 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 4

**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	64	\$57.69	\$3,692.16
Senior Project Engineer	64	\$58.29	\$3,730.56
Project Engineer	-	\$50.97	\$0.00
Project Architect	-	\$46.00	\$0.00
Project Designer	-	\$33.75	\$0.00
Drafting/CADD/Graphics	32	\$33.07	\$1,058.24
Clerical	-	\$26.00	\$0.00

(A) Direct Labor 160 Hrs \$8,481

**OVERHEAD**

(B) OH Rate x (A) 169.60% x \$8,481 = \$14,384

**PROFIT**

(C) % Profit Rate x (A+B) 10.0% x \$22,865 = \$2,286

**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 \$0

**Estimated Outside Services & Subconsultants**

AECOM	\$6,000
EEC	\$3,000
Wheat Design Group	\$5,000

(F) Total Estimated Outside Services & Subconsultants = \$14,000

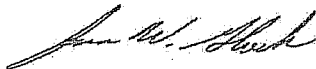
**Estimated Additional Services**

(G) Total Estimated Additional Services as directed by PCDOT = \$0.00

**Estimated Fees**

(H) **TOTAL CONSULTANT FEE** = **\$39,151**

**Total for Contract Amendment 4** = **\$39,151**



Jim Glock, PE  
 Structural Grace, Inc.

3-Nov-16  
 Date

Sunset Road: Silverbell Road to River Road  
 Contract Amendment 4  
 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											
		3.30	Post Design Services	0	64	64	0	0	0	32	0	160
			Task Totals=	0	64	64	0	0	0	32	0	160
			<b>TOTAL HOURS</b>	<b>0</b>	<b>64</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>160</b>



