



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

Requested Board Meeting Date: 2/7/17

or Procurement Director Award

Contractor/Vendor Name (DBA): PSOMAS, Inc.

Project Title/Description:

Cortaro Farms: Camino de Oeste to Thornydale Road.

Purpose:

Amendment of Award: Contract No. CT-TR-15-297, Amendment No. One (1). This amendment increases the amount of the contract by \$149,587.94 to a total amount of \$759,223.00 providing additional design services as a result of public requests and Tucson Water new drainage requirements, replenishes funding allocation in additional services to be used for post design activities in support of construction, and extends the term of the contract to June 30, 2019, assuring access to post design engineering services throughout the construction phase of the project.
Administrating Department: Transportation.

Procurement Method:

Pursuant to A.R.S. § 34-606, the Pima County Board of Supervisors awarded a contract for Requisition No. 165545 on January 13, 2015 in the not-to-exceed amount of \$609,635.06 for a contract term of January 13, 2015 to June 30, 2018.

Attached Document: Amendment No. One (1).

Program Goals/Predicted Outcomes:

Final Plans will be available for the bidding and construction of Cortaro Farms Road between Camino de Oeste and Thornydale Road.

Public Benefit:

The project will improve safety, reduce congestion, improve operations (with turning lanes to be provided at intersections where warranted), and increase mobility along Cortaro Farms Road.

Metrics Available to Measure Performance:

Project design is completed, allowing for bidding and construction of roadway.

Retroactive:

No

RECEIVED
FEB 14 2017
#1

To: COB. 1-26-17 (1)
pgs. 7
Addendum

Procure Dept 01/25/17 PM0432

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): 15-297
Amendment No.: One (1) AMS Version No.: Eight (8)
Effective Date: 2/7/17 New Termination Date: 6/30/19
 Expense Revenue Increase Decrease Amount This Amendment: \$ 149,587.94
Funding Source(s): Urban HURF 12.6% Funds

Cost to Pima County General Fund: 0.00

Contact: Anthony V. Schiavone *[Signature]* 1-10-17
Department: Procurement *[Signature]* 1/12/17 Telephone: 724-3245
Department Director Signature/Date: *[Signature]* 1/20/17
Deputy County Administrator Signature/Date: *[Signature]* 1/23/17
County Administrator Signature/Date: *[Signature]* 7/25/17
(Required for Board Agenda/Addendum Items)

PIMA COUNTY DEPARTMENT OF TRANSPORTATION		<table border="1"> <tr><td align="center" colspan="2">CONTRACT</td></tr> <tr><td>NO. <u>CT-TR-15-297</u></td></tr> <tr><td>AMENDMENT NO. <u>01</u></td></tr> <tr><td colspan="2">This number must appear on all invoices, correspondence and documents pertaining to this contract.</td></tr> </table>	CONTRACT		NO. <u>CT-TR-15-297</u>	AMENDMENT NO. <u>01</u>	This number must appear on all invoices, correspondence and documents pertaining to this contract.	
CONTRACT								
NO. <u>CT-TR-15-297</u>								
AMENDMENT NO. <u>01</u>								
This number must appear on all invoices, correspondence and documents pertaining to this contract.								
PROJECT:	Cortaro Farms: Camino de Oeste to Thornydale Road							
CONSULTANT:	PSOMAS, Inc. 333 E. Wetmore Road, Suite 450 Tucson, AZ 85705							
CONTRACT NO.:	CT-TR-15-297							
AMENDMENT NO.:	One (01)							
FUNDING:	Urban HURF 12.6% Funds							

CONTRACT TERM: 1/13/15 - 6/30/18	ORIGINAL CONTRACT AMOUNT:	\$	609,635.06
TERMINATION PRIOR AMENDMENT:	PRIOR AMENDMENT(S):	\$	-
TERMINATION THIS AMENDMENT: 6/30/19	AMOUNT THIS AMENDMENT:	\$	149,587.94
	REVISED CONTRACT AMOUNT:	\$	759,223.00

CONTRACT AMENDMENT

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

WHEREAS, COUNTY and CONSULTANT attended public meetings with property owners and citizens where concerns of access, screening, and the need to provide a pedestrian HAWK signal were discussed; and

WHEREAS, the drainage plans and mitigation efforts associated with Tucson Water's 42" potable water transmission line and 24" reclaimed water transmission line no longer met their standards and new modifications were required to be resubmitted for review and acceptance; and

WHEREAS, COUNTY and CONSULTANT, in review with the Marana Unified School District, identified traffic flow requirements associated with Quail Run Elementary that were not included in the original project design; and

WHEREAS, CONSULTANT submitted a Scope of Work and a Fee Schedule that is acceptable to the COUNTY to incorporate these requirements into the design as Additional Services; and

WHEREAS, COUNTY and CONSULTANT anticipates the Post Design Services will go beyond the Contract's termination date requiring the Contract term to be extended and subsequently will require a replenishment of the funding allocation in Additional Services to be used for post design activities in support of the upcoming construction; and

WHEREAS, COUNTY and CONSULTANT have agreed to modify the Contract to reflect these changes.

NOW, THEREFORE, it is agreed as follows:

CHANGE the first sentence of *ARTICLE I – TERM AND EXTENSION/RENEWAL/CHANGES* as follows:

From: This Contract shall commence on January 13, 2015, and shall terminate on June 30, 2018, unless sooner terminated or further extended pursuant to the provisions of this Contract.

To: This Contract shall commence on January 13, 2015, and shall terminate on June 30, 2019, unless sooner terminated or further extended pursuant to the provisions of this Contract.

CHANGE the first sentence of *ARTICLE II – SCOPE OF SERVICES* as follows:

From: CONSULTANT agrees to provide Engineering Services for the COUNTY as described in **APPENDIX A: SCOPE OF WORK** (16 pages), an attachment to this Contract.

To: CONSULTANT agrees to provide Engineering Services for the COUNTY as described in **APPENDIX A: SCOPE OF WORK** (16 pages) and **APPENDIX A-1: SCOPE OF WORK – TASK 3.30 (ADDITIONAL SERVICES)** (3 Pages), an attachment to this Contract.

CHANGE the first sentence of *ARTICLE III – COMPENSATION AND PAYMENT* as follows:

From: In consideration of the services specified in this Contract, the COUNTY agrees to pay CONSULTANT Not To Exceed Six Hundred Nine Thousand, Six Hundred Thirty-five and 6/100 Dollars (\$609,635.06).

To: In consideration of the services specified in this Contract, the COUNTY agrees to pay CONSULTANT Not To Exceed Seven Hundred Fifty-Nine Thousand, Two Hundred Twenty-Three and No/100 Dollars (\$759,223.00).

ADD attached:

APPENDIX A-1: SCOPE OF WORK – TASK 3.30 (ADDITIONAL SERVICES) (3 Pages) and **APPENDIX B-1: COMPENSATION – TASK 3.30 (ADDITIONAL SERVICES)** (2 Pages) to the Contract.

This Amendment shall be effective on February 7, 2017.

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.

APPROVED:

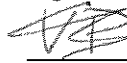
CONSULTANT:

Chair, Board of Supervisors



Signature

Date

 **MATTHEW CLARK, V.D.**

Name and Title (Please Print)


ATTEST:

1/24/17

Date

Clerk of the Board

APPROVED AS TO FORM:



Deputy County Attorney

ANDREW FLAGG

Name (Please Print)

1/20/2017

Date

APPENDIX A-1: SCOPE OF WORK – TASK 3.30 (ADDITIONAL SERVICES) (3 Pages)

PSOMAS

January 6, 2017

Paul Bennett, PE
Project Manager
Pima County Department of Transportation
201 N. Stone Avenue, 4th Floor
Tucson, AZ 85701

**Subject: Cortaro Farms Road, Camino de Oeste to Thornydale
PCDOT Project No. 4CFCOT
Psomas Project No. 7PIM996706
Contract Amendment No. 1
Task 3.30 - Additional Services**

Dear Mr. Bennett:

As discussed previously, design efforts have arisen on the Cortaro Farms Road project that have exceeded the original scope for the project and have been authorized and allocated to Task 3.30 – Additional Services. A summary of these additional efforts is included below. Due to the extent of these additional efforts, the unexpended funds in Task 3.30 – Additional Services will not be sufficient to complete the project and the expected post design support efforts during construction.

The following represent design efforts for additional items not originally included in the design or subsequent required revisions to the plans.

- Modifications at Priority Property/McVie Parcel – Design team was directed by PCDOT in July 2016 to add wildlife fencing at this parcel, requiring updates to plan sheets and addition of wildlife fencing and gate details to plans. Also required modification of design at 2 driveways at Sta 184+80 and Sta 191+26 to accommodate addition of cattle guards at these locations. Also directed by PCDOT to modify design layout for retaining wall and add jog in wall at Sta 185+00 in order to avoid removal of vegetation.
- Redesign of driveway at Sta 191+26 – The Stage IV design for this driveway had the improvements centered in the legal access easement. Design team was directed by PCDOT in September 2016 to move the driveway to match the existing physical location after request from meeting with property owners.
- Addition of new sound wall to Biamonte property – There were no walls warranted at this parcel in original plans. Design team was directed by PCDOT in July 2016 to design new sound wall for this parcel. This also required deletion of driveway at Station 195+00 to this parcel (the access is redirected to the driveway at Station 191+26) and additional design and details for openings and drainage structures to accommodate drainage passing through the new wall.

- HAWK pedestrian signal at Bayou – No pedestrian signal was included in original plans. The addition of a pedestrian crossing signal was requested by many citizens at the public meeting held on 6/10/15, and was subsequently evaluated for addition by PCDOT. Design team was directed by PCDOT to add a HAWK signal to plans in September 2015.
- Tucson Water modifications for 24 and 42-inch transmission mains – The original plans had concrete caps over water transmission mains at drainage crossing locations and the Stage IV plans were submitted to Tucson Water this way. Tucson Water commented when reviewing the plans that the use of concrete caps no longer met their standards and that 3' separation would be required. Through coordination with Tucson Water, several drainage crossing profiles were modified and hydrology recalculated to allow the water mains to remain at 2-foot separation with the addition of CLSM encasement. CLSM encasement details, callouts to plans, and specs were added to project to address this need. To allow the use of CLSM encasement, Tucson Water required structural calculations on water main loading, performed by Psomas and documented in a memo to Tucson Water for acceptance of the CLSM approach in June 2016. One drainage crossing could not meet the minimum 2-foot requirement and required designing water mods to drop the 24 and 42-inch mains. The design team performed the design for these modifications and made an additional submittal to TW for review of the new modifications. Addition of special provisions to address items related to the 24 and 42-inch mains were required and added by the design team. Assessment of the water line conflicts also required potholing of the existing water facilities. Per the terms of the original scope of work, the potholing was approved by PCDOT in February 2016 and the potholing cost of \$5,052.87 was invoiced under the additional services task.
- Design revisions for existing access concerns, production of Revised Stage IV submittal – After completion of initial Stage IV plans and review of design, it was noted that there were several design challenges, including difficulty tying in numerous sidestreets where access to side gates was desired to remain. The design team elected to pursue revisions to the roadway design in October 2015 that reduced retaining walls, reduced sidestreet reconstruction limits and facilitated tie-ins to numerous sidestreets/driveways and side gates. This required production of another check set submittal, and the Revised Stage IV set was submitted in November 2015 including design revisions to the paving and geometry plans, storm drain and cross drainage design, wall designs, and sidestreet/driveway design.
- Pavement drainage spread criteria update – After completion of initial Stage IV plans and review of design, it was noted that the previous design followed early 2000's spread criteria, requiring many more catch basins and corresponding pipe than current standards would require. Team elected to pursue a value engineering approach in October 2015 to revise the pavement drainage calculations to use current spread criteria and update to match the current profile. From the original to current design 19 catch basins and almost 3500 LF of RCP were eliminated.
- Sound wall modifications – The initial wall designs on the north side of road were subsequently required to be shifted away from ROW. The openings in walls at drainage

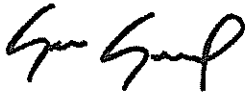
channels on the south side of the road were requested by PCDOT to be closed off due to neighborhood concerns. These modifications required redesign of wall layouts, profiles, and details for openings. The requested design changes were made in March/April 2016.

- Real property acquisition legal description modifications – After completion of Record of Survey and legal descriptions, several easements were required to be converted to ROW during property acquisition by Pima County Real Property. Legals were revised for RW 1A and RW 1B (Priority Property/McVie), RW 3A and RW 3B (Frederichs), RW 4A (Lakosky).
- Addition of turnaround for school bus circulation – No bus turnaround was included in original plans. The road design and applicable plan sheets were modified to accommodate this at the request of Quail Run Elementary after meeting with PCDOT, the school administrators and MUSD facilities management.
- Addition of permanent counter station (PCS) – No counter stations were included in original plans, and design team was requested to add the specs and details by PCDOT in August 2015.
- Addition of water harvesting treatments – No water harvesting areas/treatments included in original plans. Requested by PCDOT to be added during Stage IV plan review. Design team added curb inlet details to plans, modified sidewalk alignments to create water harvesting areas, and added grading locations and details to landscape plans.

Through the end of December 2016, \$145,375.74 of the Additional Services task has been expended to cover these additional design efforts, leaving \$4,594.26 remaining. A fee estimate summary is attached outlining the anticipated funds necessary to complete the project and cover the expected post design support efforts during construction. At this time we would respectfully request that \$149,587.94 be added to the Additional Services task of our contract.

If you have any questions or comments, please do not hesitate to give me a call at (520) 292-2300 or contact me via email at ssamsel@psomas.com. We appreciate the opportunity to continue to provide our services to Pima County.

Respectfully Submitted,
Psomas



Sean Samsel, P.E.
Project Manager
ssamsel@psomas.com

Attachments: Psomas Fee Estimate

**Cortaro Farms: Camino de Oeste to Thornydale Road
Psomas**

ESTIMATED DIRECT LABOR (Psomas)

<u>Classification</u>	<u>Estimated Man-hours</u>	<u>Hourly Rate</u>	<u>Labor Costs</u>
Project Principal	0	\$216.26	\$ -
Sr. Project Manager	6	\$182.75	\$ 1,096.50
Sr. Project Engineer	48	\$146.20	\$ 7,017.60
Project Engineer	120	\$127.93	\$ 15,351.60
Designer	256	\$102.04	\$ 26,122.24
Project Surveyor	0	\$135.54	\$ -
2-Man Survey	0	\$149.25	\$ -
Survey Tech	0	\$76.15	\$ -
Administration	0	\$88.94	\$ -
Intern	0	\$59.18	\$ -
Total	430		

Total Estimated Labor 49,587.94

ESTIMATED DIRECT EXPENSES

<u>Item</u>	<u>Quantity</u>	<u>Amount</u>	<u>Total</u>
Direct Expenses TOTAL			\$ -

Subconsultant

	<u>Total</u>
Sub-Consultant TOTAL	\$ -

TOTAL ESTIMATED LABOR (Psomas)	49,587.94
TOTAL ESTIMATED DIRECT COSTS (Psomas)	\$ -
TOTAL ESTIMATED OUTSIDE SERVICES	\$ -
SUBTOTAL ESTIMATED COST	49,587.94

ESTIMATED ADDITIONAL SERVICES

<u>Item</u>	
Task 3.30.2 - Post Design Services	\$ 100,000.00
SUBTOTAL T&M TASKS	\$ 100,000.00
TOTAL ESTIMATED COST	\$ 149,587.94

Revised 1/06/17

