



BOARD OF SUPERVISORS AGENDA ITEM REPORT
CONTRACTS / AWARDS / GRANTS

☐ Award ☒ Contract ☐ Grant

Requested Board Meeting Date: 09/18/18

* = Mandatory, information must be provided

or Procurement Director Award ☐

***Contractor/Vendor Name/Grantor (DBA):**

Kittelson & Associates, Inc.

***Project Title/Description:**

Engineering Design Services for Aerospace Parkway Widening (4AERO2)

***Purpose:**

Amendment: Contract No. CT-PW-17-337, Amendment No. Three (3). This amendment modifies the scope of work and increases the contract amount by \$25,092.00 for a cumulative not-to-exceed amount of \$868,802.16.

Administering Department: Public Works.

This Amendment accommodates additional effort relating to the construction phase services.

***Procurement Method:**

Pursuant to Solicitation for Qualifications No. 247691, on 05/02/17, the Board of Supervisors awarded a contract for this project in the amount of \$764,235.00 for a contract term of 05/02/17 to 06/30/19. Previous Amendment No. One (1) was approved by the Procurement Director to amend the scope of work and reallocate funds between tasks. Amendment No. Two (2) totaling \$79,475.16 was approved by the Board of Supervisors to amend the scope and add funding.

Attachment: Amendment No. Three (3)

***Program Goals/Predicted Outcomes:**

This contract is for the Consultant to provide engineering design services for the Aerospace Parkway Widening Project to four travel lanes, including reconstructing the Nogales Highway Intersection to add capacity and improve operations and safety, and widen the existing UPRR crossing. This amendment includes additional effort relating to the post design / construction services tasks and will include continued weekly progress meetings, submittals and RFI responses, coordination of public art as well as Raytheon Parkway construction, and preparation of final as-builts.

***Public Benefit:**

The construction of this expansion will provide the infrastructure needed for both the commercial and industrial growth being promoted in the area of the Aerospace corridor, including known increased traffic needs at Raytheon and Vector Space. The result of this development will be to support growth in the local economy which will benefit the entire region.

***Metrics Available to Measure Performance:**

The performance will be measured using the consultant evaluation process as outlined in BOS D29.1(E)(II).

***Retroactive:**

No.

TD: CVB- 9-5-18
pgs- 8
(1)

Contract / Award 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) required:**Funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No**If Yes, is the Contract to a vendor or subrecipient?**Were insurance or indemnity clauses modified? ☐ Yes ☐ No*If Yes, attach Risk's approval.*Vendor is using a Social Security Number? ☐ Yes ☐ No*If Yes, attach the required form per Administrative Procedure 22-73.***Amendment / Revised Award Information**

Document Type: CT Department Code: PW Contract Number (i.e., 15-123): 17-337

Amendment No.: Three (3) AMS Version No.: Eight (8)

Effective Date: 09/18/18 New Termination Date: _____

Prior Contract No. (Synergen/CMS): _____

☒ Expense or ☐ Revenue ☒ Increase ☐ Decrease Amount This Amendment: \$ 25,092.00Is there revenue included? ☐ Yes ☒ No If Yes \$ _____***Funding Source(s) required:** HURF 12.6%, RWRD ObligationsFunding from General Fund? ☐ Yes ☒ No If Yes \$ _____ % _____**Grant/Amendment Information** (for grants acceptance and awards) ☐ Award ☐ Amendment

Document Type: _____ Department Code: _____ Grant Number (i.e., 15-123): _____

Effective Date: _____ Termination Date: _____ Amendment Number: _____

☐ Match Amount: \$ _____ ☐ Revenue Amount: \$ _____***All Funding Source(s) required:*****Match funding from General Fund?** ☐ Yes ☐ No If Yes \$ _____ % _____***Match funding from other sources?** ☐ Yes ☐ No If Yes \$ _____ % _____***Funding Source:** _____***If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?**Contact: Matt Sage, Procurement Officer *Matt Sage* *8-29-18*Department: Procurement *May 8* *8/29/18* Telephone: 724-8586Department Director Signature/Date: *[Signature]* Nancy Cole 8/30/18Deputy County Administrator Signature/Date: *[Signature]* *9/4/18*County Administrator Signature/Date: *[Signature]* *9/4/18*
(Required for Board Agenda/Addendum Items)

PIMA COUNTY PUBLIC WORKS ADMINISTRATION	
PROJECT:	Engineering Design Services For Aerospace Parkway Widening (4AERO2)
CONSULTANT:	Kittelson & Associates, Inc. 2 East Congress Street, Suite 705 Tucson, Arizona 85701
CONTRACT NO.:	CT-PW-17-337
AMENDMENT NO.:	Three (3)
FUNDING:	HURF 12.6%, RWRD Obligations

CONTRACT	
NO.	<u>CT-PW-17-337</u>
AMENDMENT NO.	<u>03</u>
This number must appear on all invoices, correspondence and documents pertaining to this contract.	

CONTRACT TERM: 05/02/17 to 06/30/2019	ORIGINAL CONTRACT AMOUNT:	\$	764,235.00
TERMINATION PRIOR AMENDMENT: 06/30/19	PRIOR AMENDMENT(S):	\$	79,475.16
TERMINATION THIS AMENDMENT: 06/30/2019	AMOUNT THIS AMENDMENT:	\$	25,092.00
	REVISED CONTRACT AMOUNT:	\$	868,802.16

CONTRACT AMENDMENT

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

WHEREAS, COUNTY has determined the need for additional effort relating to the construction phase services; and

WHEREAS, COUNTY and CONSULTANT agree to extend the Contract Scope pursuant to Article 2 – Scope of Services, to include the additional services; and

WHEREAS, COUNTY and CONSULTANT agree to add additional funds pursuant to Article 4 – Compensation and Payment, for the additional services; and

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

NOW, THEREFORE, it is agreed as follows:

CHANGE: **ARTICLE 2 – SCOPE OF SERVICES**, as previously amended in Amendment No. One (1) as follows:

From: “CONSULTANT agrees to provide Engineering Services for the COUNTY as described in APPENDIX ‘A’ – SCOPE OF SERVICES (4 pages), APPENDIX ‘A-1’ (1 page), APPENDIX ‘A-2’ (1 page) and APPENDIX ‘C’ – GENERAL CONDITIONS (44 pages), attachments to this Contract, and to complete such services within the term and value of this Contract as it may be modified in accordance with Article 5.”

To: “CONSULTANT agrees to provide Engineering Services for the COUNTY as described in APPENDIX ‘A’ – SCOPE OF SERVICES (4 pages), APPENDIX ‘A-1’ (1 page), APPENDIX ‘A-2’ (1 page), **APPENDIX ‘A-3’ (1 page)** and APPENDIX ‘C’ – GENERAL CONDITIONS (44 pages), attachments to this Contract, and to complete such services within the term and value of this Contract as it may be modified in accordance with Article 5.”

ADD: APPENDIX ‘A-3’, (1 page).

P.

CHANGE: The second paragraph in **Article 4 – COMPENSATION AND PAYMENT**, as previously amended in Amendment No. One (1) as follows:

From: "CONSULTANT'S total CPFF will be allocated among the major tasks contemplated by this Contract in such manner that each major deliverable will have associated with it a not-to-exceed cost, plus a fixed fee amount, incorporated herein as APPENDIX 'B' – COMPENSATION SCHEDULE (48 pages), APPENDIX 'B-1' (5 pages) and APPENDIX 'B-2' (23 pages)..."

To: "CONSULTANT'S total CPFF will be allocated among the major tasks contemplated by this Contract in such manner that each major deliverable will have associated with it a not-to-exceed cost, plus a fixed fee amount, incorporated herein as APPENDIX 'B' – COMPENSATION SCHEDULE (48 pages), APPENDIX 'B-1' (5 pages), APPENDIX 'B-2' (23 pages), **APPENDIX 'B-3' (5 pages)**..."

CHANGE: The fourth paragraph in **Article 4 – COMPENSATION AND PAYMENT** as follows:

From: "The total of all payments to CONSULTANT for services provided under this Contract will not exceed Eight Hundred Forty-Three Thousand Seven Hundred Ten Dollars and Sixteen Cents (\$843,710.16)."

To: "The total of all payments to CONSULTANT for services provided under this Contract will not exceed Eight Hundred Sixty-Eight Thousand Eight Hundred Two Dollars and Sixteen Cents (\$868,802.16)."

ADD: APPENDIX 'B-3', (5 pages).

INCREASE FUNDS as follows:

Increase: Task 12 – Construction Services by \$25,092.00.

This Amendment shall be effective on September 18, 2018.

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

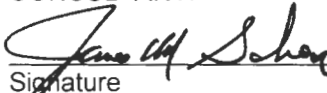
IN WITNESS WHEREOF, the Parties have affixed their signatures to this Amendment on the dates written below.

PIMA COUNTY:

Chairman, Board of Supervisors

Date

CONSULTANT:


Signature

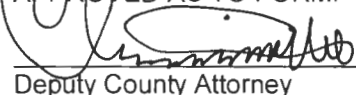
James Schoen, Senior Principal
Name and Title (Please Print)

8/31/2018
Date

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:


Deputy County Attorney

CHRISTOPHER STRAUB

Name (Please Print)

08/30/18
Date

APPENDIX 'A-3', (1 page)

Design Engineering Services – Aerospace Parkway Widening

Scope Addition / Reallocation:

The Following additions to the existing scope of work are as follows:

Task 12: Construction Engineering Services – Phase 2 post design construction engineering services are intended to cover engineering services related to the following: Materials and equipment submittal reviews, Weekly construction meetings and responses to RFI's / clarification of construction drawings, Continuing coordination with CMAR for ongoing design modification to include any value engineering or cost savings to the County, Coordination of design elements such as Raytheon Parkway North and Public art elements, and final as-built plans. The initial scope of work included similar tasks, but not adequate level of effort for the full length of construction including during construction of Phase 1 (outside of initial scope).

The consultant shall prepare a full proposal with tasks to match the existing scope of work, including level of effort and cost.

End Appendix A-3

APPENDIX 'B-3' (5 pages)



2 E CONGRESS STREET SUITE 705
TUCSON, AZ 85701
520.544.4067 520.544.9616

August 15, 2018

Project #: 20894

Nancy Cole
Pima County Project Management Office
201 N. Stone Ave
Tucson, AZ 85701

RE: 4AERO2 Aerospace Parkway Phase2; Change Order Request No. 3 – Additional Construction Services Budget

Nancy:

We are requesting additional budget for on-going construction services. To date we have completed the following tasks:

- Design to add northbound right-turn lane on Nogales Hwy.
- Design to modify the joint utility trench east of the UPRR based on waterline pothole information
- Evaluation of alternative locations for the access point to the new frontage road along the west side of Nogales Hwy.
- On-going coordination with the public art design at the Raytheon Blvd intersection.
- Attendance at weekly construction meetings.
- Provision of design model data and information as requested by the contractor.

Anticipated tasks as the construction is completed include:

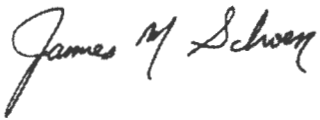
- Review of equipment and material submittals.
- Coordination of landscape design modifications to accommodate the public art
- Coordination of construction of the north leg of Raytheon Pkwy
- Preparation of as-built plans
- Weekly construction meetings and response to RFIs

Fee

Based on the anticipated construction services tasks remaining, we are requesting additional time and materials budget of \$25,092.

Please let us know if you have any questions or would like to discuss our proposal.

Sincerely,

A handwritten signature in black ink that reads "James M. Schoen". The signature is written in a cursive, flowing style.

James M. Schoen, PE

Senior Principal

jschoen@kittelson.com

520-382-4703

Fee Estimate Summary- Change Order No.3; Additional Construction Services
Aerospace Parkway Widening
Kittelson & Associates, Inc.

	Kittelson			Total
	Labor	Fee	Directs	
Task 1. Project Management	\$ -	\$ -	\$ -	\$ -
Task 2. Concept Phase (30%)	\$ -	\$ -	\$ -	\$ -
Task 3. Preliminary Design (60%)	\$ -	\$ -	\$ -	\$ -
Task 4. Final Design	\$ -	\$ -	\$ -	\$ -
Task 5. Construction Documents	\$ -	\$ -	\$ -	\$ -
Task 6. Environmental Clearance	\$ -	\$ -	\$ -	\$ -
Task 7. RW Clearance	\$ -	\$ -	\$ -	\$ -
Task 8. Utility Coordination	\$ -	\$ -	\$ -	\$ -
Task 9. UPRR Coordination	\$ -	\$ -	\$ -	\$ -
Task 10. Public Involvement	\$ -	\$ -	\$ -	\$ -
Task 11. Additional Design Services	\$ -	\$ -	\$ -	\$ -
Task 12. Construction Services	\$ 22,811	\$ 2,281	\$ -	\$ 25,092
Kittelson SubTotal	\$ 22,811	\$ 2,281	\$ -	\$ 25,092
Subconsultant Fees				
CMG; Drainage Analysis/Report				\$ -
WDG; NPPP, Erosion Control				\$ -
Darling; Survey, ROW Drawings, Legal Descriptions				\$ -
Ninyo & Moore; Geotechnical Investigation/Memo				\$ -
CTC; UPRR Coordination				\$ -
Subconsultant SubTotal				\$ -
Design Fee Total				\$ 25,092

Preliminary Hours and Fee Estimate
Aerospace Parkway
Kittelson & Associates

Project Summary	Project Mgr/ Principal	Associate Engineer	Senior Engineer	Engineer	Analyst/D esigner	Senior Technician	Technician	Clerical/ Admin	Hours	Labor +OH Cost	Fee (10%)	Direct Costs
	\$74.34	\$54.79	\$42.89	\$36.36	\$25.35	\$36.14	\$24.39	\$21.68		KAI	KAI	KAI
Task 1. Project Management	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 2. Concept Phase (30%)	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 3. Preliminary Design (60%)	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 4. Final Design	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 5. Construction Documents	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 6. Environmental Clearance	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 7. RW Clearance	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 8. Utility Coordination	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 9. UPRR Coordination	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 10. Public Involvement	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 11. Additional Design Services	0	0	0	0	0	0	0	0	0	\$0	\$0	\$ -
Task 12. Construction Services	10	44	52	0	60	0	20	4	190	\$22,811	\$2,281	\$ -
PROJECT TOTAL	10	44	52	0	60	0	20	4	190	\$ 22,811	\$ 2,281	\$ -

Hours and Fee Estimate Detail - Change Order No.3; Additional Construction Services
Aerospace Parkway Widening
Kittelson & Associates

Project Mgr/ Principal	Associate Engineer	Senior Engineer	Engineer	Analyst/ Designer	Senior Technician	Technician	Clerical/ Admin	Hours	Labor +OH Cost
\$74.34	\$54.79	\$42.89	\$36.36	\$25.35	\$36.14	\$24.39	\$21.68		KAI

	Project Mgr/ Principal	Associate Engineer	Senior Engineer	Engineer	Analyst/ Designer	Senior Technician	Technician	Clerical/ Admin	Hours	Labor +OH Cost
Task 11. Additional Design Services										KAI
11.1 Eisenhower Rd Repaving/Regrading									0	\$ -
11.2 Evaluate Value Engineering Proposals									0	\$ -
11.3 Additional Landscape Design									0	\$ -
Total	0	0	0	0	0	0	0	0	0	\$ -

	Project Mgr/ Principal	Associate Engineer	Senior Engineer	Engineer	Analyst/ Designer	Senior Technician	Technician	Clerical/ Admin	Hours	Labor +OH Cost
Task 12. Construction Services										KAI
12.1 CMAR Coordination/Construction Meetings		20	20						40	\$ 5,958
12.2 Submittal Reviews									0	\$ -
12.3 As-Builts									0	\$ -
12.4 Construction Management Support									0	\$ -
12.5 Design Modifications & Additions	10	24	32		60		20	4	150	\$ 16,854
Total	10	44	52	0	60	0	20	4	190	\$ 22,811

END OF APPENDIX 'B-3'