

COB - BOSAIR FORM

07/23/2026 9:20 AM (MST)

Submitted by Jorden.Oliver@pima.gov



BOARD OF SUPERVISORS AGENDA ITEM REPORT (BOSAIR)

All fields are required. Enter N/A if not applicable. For number fields, enter 0 if not applicable.

Record Number: PO FC PO2400014007

Award Type: Contract

BOSAIR Activity: Board Meeting Request

Requested Board Meeting Date: 08/25/2026

Supplier / Customer / Grantor / Subrecipient: Psomas Inc

Project Title / Description: Engineering Design Services: Santa Cruz Cortaro Narrows Training Structure (5SCNTS)

Purpose: Amendment: Contract No. PO2400014007, Amendment No. 3. This amendment changes the Consultants address to 1745 E. River Rd., Ste. 245, Tucson, AZ 85718, and increases the contract amount by \$59,052.80 for a cumulative not-to-exceed amount of \$495,625.42 for additional scope to include the CLOMR application, LOMR application, and additional Post Design Services. Administering Department: Regional Flood Control District.

Procurement Method: Other

Insert additional Procurement Method info, if applicable: Pursuant to Direct Selection authority of A.R.S. § 34-103, on 02/06/24, the Board of Directors awarded a contract for this project in the amount of \$436,572.62 for a contract term of 02/06/24 to 02/05/25 for the Engineering Design Services: Santa Cruz Cortaro Narrows Training Structure (5SCNTS).

Amendment No. 1 was approved by the Procurement Director on 12/17/24, to change the contract number to PO2400014007 (formerly CT-FC-24-293), extend the term of the contract to 02/05/26 to allow for post-construction design, and add the Heat Injury and Illness Prevention and Safety Plan Clause to the contract.

Amendment No. 2 was approved by the Procurement Director on 12/17/25, to extend the term of the Contract to 07/30/28 to allow for post-design services.

Attachment: Amendment No. 3.

Program Goals/Predicted Outcomes: The goal of this project is to provide design services for Santa Cruz River Cortaro Narrows Training Structures, within the Cortaro Narrows Reach upstream and downstream of the Twin Peaks Road Bridge.

Public Benefit and Impact: The project will involve significant amounts of channel grading to reestablish the channel flowline away from the existing bank protection to benefit the public. The District will also develop a public involvement plan which is to include two public

Strategic Plan Pillar	Infrastructure & Growth
Support of Prosperity Initiative:	C-S 2. Address Climate Resilience and Environmental Justice
Provide information that explains how this activity supports the selected Prosperity Initiatives	This project provides flood protection and environmental restoration to improve floodplain function and native habitat.
Metrics Available to Measure Performance:	The performance will be measured using the consultant evaluation process as outlined in BOS Policy D.29.1(E).
Retroactive:	NO

Amendment / Revised Award Information

Record Number: PO FC PO2400014007

Document Type:	PO
Department Code:	FC
Contract Number:	PO2400014007
Amendment Number:	3
Commencement Date:	08/25/2026
Termination Date:	07/30/2028
Supplier / Subrecipient Headquarters Location	Tucson, AZ

* Headquarters information is not a consideration for awards

Is the Termination Date new?	NO
Classification:	Expense
Adjust Level:	Increase
Prior Contract Number (If Applicable):	CT-24-293, CT_240000000000000000293
Amount This Amendment:	
	\$59,052.80
Funding Source(s) required:	Flood Control Tax Levy

Funding from General Fund?	NO
Contract is fully or partially funded with Federal Funds?	NO
Contract is fully or partially funded with Non-Federal Grant Funds?	NO

Department:	Procurement
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Name:	Karrie Hixon <i>Kell</i>
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Telephone:	520-724-3542
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Add GMI Department Signatures	No
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Division Manager/Procurement Officer Signature: _____



SL

Date: 8/4/2026 | 9:45 AM MST

Procurement Director Signature: Bruce Collins

Date: 8/4/2026 | 9:54 AM MST

Department Director Signature: Eric Shepp

Department Director

Date: 8/4/2026 | 10:01 AM MST

Deputy County Administrator Signature: _____



Date: 8/8/2026 | 7:35 AM MST

County Administrator Signature: Gar

Date: 8/8/2026 | 7:55 AM MST

PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT**PROJECT:** Engineering Design Services: Santa Cruz Cortaro Narrows Training Structure (5SCNTS)**CONSULTANT:** Psomas Inc
1745 E. River Rd., Ste. 245
Tucson, AZ 85718**CONTRACT NO.:** PO2400014007**AMENDMENT NO.:** 3**FUNDING:** Flood Control Tax Levy

CONTRACT TERM: 02/06/24 - 02/05/25	ORIGINAL CONTRACT AMOUNT:	\$	436,572.62
TERMINATION PRIOR AMENDMENT: 07/30/28	PRIOR AMENDMENT(S):	\$	-
TERMINATION THIS AMENDMENT: 07/30/28	AMOUNT THIS AMENDMENT:	\$	59,052.80
	REVISED CONTRACT AMOUNT:	\$	495,625.42

CONTRACT AMENDMENT

The Parties agree to amend the above-referenced contract as follows:

1. Background and Purpose.

- 1.1. Background. On February 06, 2024, District and Consultant entered into the above referenced agreement to provide Engineering Design Services for the Santa Cruz Cortaro Narrows Training Structure.
- 1.2. Purpose. District intends to change the Consultants address to 1745 E. River Rd., Ste. 245, Tucson, AZ 85718, and increase the contract amount by \$59,052.80 for a cumulative not-to-exceed amount of \$495,625.42, for additional scope to include the CLOMR application, LOMR application, and additional Post Design Services.

2. **Change** the Consultant's address where referenced in the Contract from 333 E. Wetmore Rd., Ste. 450, Tucson, AZ 85705 to 1745 E. River Rd., Ste. 245, Tucson, AZ 85718.

3. Scope of Services.

Add Section 3.1.: "Incorporate Exhibit A-1 – Additional Scope of Services (4 Pages).

4. Compensation and Payment.

Section 4.1. Rates.: "District will pay Consultant a Not-to-Exceed amount of \$495,625.42."

Add Section 4.2.1.: "Incorporate Exhibit B-1 – Consultant Fee Proposal (2 Pages)."

Attach: Exhibit A-1 – Additional Scope of Services (4 Pages)
Exhibit B-1 – Consultant Fee Proposal (2 Pages)

Remainder of page intentionally left blank.

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

DISTRICT

Chair, Board of Directors

Date

CONSULTANT

 Digitally signed by Kevin Thornton
DN: E=K.Thornton@psomas.com,
CN=Kevin Thornton, OU=OneDrive,
OU=TIUS, OU=Users, OU=Psomas,
DC=pprod, DC=psomas, DC=corp
Date: 2026.07.28 14:46:52-07'00'

Authorized Officer Signature

Kevin T. Thornton, PE, Principal

Printed Name and Title

07/28/2026

Date

ATTEST

Clerk of the Board

Date

This contract template has been approved as to form by the Pima County Attorney's Office.

Exhibit A-1 – Additional Scope of Services (4 Pages)

**PIMA COUNTY
REGIONAL FLOOD CONTROL DISTRICT**
201 N Stone Ave, 7th Floor
TUCSON, ARIZONA 85701

**Eric Shepp, P.E.
DIRECTOR**

**Phone (520) 724-4600
Fax (520) 724-4621**

July 6, 2026

SCOPE OF WORK

PROJECT NAME: Design Engineering Services for Santa Cruz Cortaro Narrows Training Structures – Contract Modification 1

PROJECT NUMBER: 5SCNTS

TASK 4.0 FEMA COMPLIANCE

A draft “Technical Data Notebook for Cortaro Narrows was prepared in the general format of Arizona State Standard 1 for FEMA TDN suitable for submittal in support of a CLOMR. The draft is substantially advanced but was never completed with construction of the first two phases not requiring a CLOMR and a LOMR for the Santa Cruz River current being process by the District independently of this project. That LOMR is the basis of the draft CLOMR prepared and was/is expected to be Effective prior to the submittal of the CLOMR for this project. Instead, Psomas prepared memos for the overall project, Phase I and Phase II documenting the lack of need for a CLOMR based on WSEL comparisons to the current effective and in progress LOMR water surface elevations. To prepare this scope and fee for work to complete the originally scoped CLOMR and add in a scope and fee for a LOMR once the project is complete, Psomas performed a detailed review of where the current draft TDN stands outlines the steps necessary to complete and submit the CLOMR to FEMA prior to the Phase III start date in October 2026 (~ 3 months away). Additionally, a LOMR was not included in the original scope of work for the project knowing that construction would take several years to complete and it would be added on when needed and that time has come.

The review indicates that the hydraulic backbone is in place: a HEC-RAS (v6.x) model with existing (duplicate-effective, based on the District’s in-process LOMR terrain/model) and proposed conditions, 59 cross sections, the seven grade control structures, and the Twin Peaks Road bridge. The flow file already contains all six FIS profiles (20%, 10%, 5%, 2%, 1%, and 0.2%-annual-chance). A TDN document and appendices have been drafted and compiled, with the following outstanding tasks remaining to append the Task 4.0 scope and fee:

Component	Status	Remaining Action
HEC-RAS hydraulic model (existing / duplicate-effective + proposed)	Largely complete – 59 XS, 7 GCS inclusive of Phases I, II and III; all 6 profiles (20/10/5/2/1/0.2%) in flow file	Finalize geometry to match sealed 100% plans; confirm existing vs. duplicate-effective framework
100-yr WSEL comparison (Effective FIS vs. proposed)	Complete (TDN Tables 2 & 3)	Update per final model
Multi-frequency profiles (10/50/100/500-yr)	Model contains profiles; TDN documents 100-yr only	Run & document 10-, 50-, 100-, 500-yr; produce flood profiles

Component	Status	Remaining Action
		and document in TDN
Floodway / encroachment analysis	Not performed	Model & document floodway analyses
TDN narrative (Sections 1–6)	Draft complete; not QC-resolved	Resolve all internal Psomas redline comments; finalize text & formatting
MT-2 Forms 1–3 + Community Acknowledgment	Abstract started	Complete forms; obtain acknowledgment(s) from multiple jurisdictions
ESA Section 7 compliance documentation	Not in draft	Required for CLOMR – Obtain Documentation from District regarding compliance
Exhibits (workmap, annotated FIRMs, XS exhibits)	Outlined / partial	Finalize 3–4 FIRM panels, workmap, flood-limit & profile exhibits
Property-owner & public notification	Sample letters referenced	Build affected-owner list & letters; coordinate jurisdiction notice (With continued containment, verify notification need)
Side-channel / tributary mapping	Flagged in QC	Show on mapping or document justification for not showing
Construction plans	100% sealed (Nov 26, 2024)	Reference set – no action for CLOMR
Submit for Agency Review	Not Completed	Necessary to obtain Community signatures.

TASK 4.1 CLOMR APPLICATION

Psomas will finalize the draft TD N by addressing the current remaining actions summarized in the FEMA Compliance Narrative. This will include resolving all Psomas internal QC redline comments, completing the analyses and forms required by FEMA, and submit a complete CLOMR package each jurisdiction necessary to obtain signatures on the overview and concurrence forms and submitting to FEMA (via the Online LOMC tool) following District and ADWR review. The following subtasks apply.

Project Management & Coordination

Task 14 administration and schedule management. Community acknowledgment responsibilities, and development of preparation and review timeline consistent with the pre-October grading-permit milestone.

Hydraulic Model Finalization & Multi-Frequency Profiles

Verify the proposed-conditions HEC-RAS geometry matches the sealed 100% construction plans; confirm

and clearly delineate the current-effective, future-effective (duplicate-effective from the District's in-process LOMR), and proposed conditions; QC and run all required profiles (10-, 50-, 100-, and 500-yr); and generate water-surface profiles for the TDN.

Floodway / Encroachment Analysis

Develop and document a floodway/encroachment evaluation demonstrating that the proposed condition does not increase the regulatory floodway surcharge beyond FEMA-allowable limits, or document the changes to the effective floodway. Tabulate BFE rises by cross section and confirm compliance with NFIP standards along certified-levee reaches.

TDN Completion & QC Redline Resolution

Resolve all Psomas internal QC redline comments; complete narrative Sections 1–6; reconcile and update comparison tables (including a phase identifier column); address the side-channel/tributary mapping comment; and finalize document formatting, headings, captions, and tables.

MT-2 Forms, Community Acknowledgment & ESA Documentation

Complete FEMA MT-2 Forms 1 (Overview), 2 (Hydrologic Analysis, as applicable), and 3 (Hydraulic Analysis); prepare community acknowledgment form(s) for the four affected jurisdictions; and compile Endangered Species Act Section 7 compliance documentation required for the CLOMR.

Exhibits

Finalize the workmap, annotated FIRM panels (3–4 panels), HEC-RAS cross-section exhibits (aerial and terrain overlays), flood-limit exhibit, and flood profiles for the required frequencies.

Property-Owner & Public Notification Support

Prepare the affected property-owner list and notification letters, and support the jurisdictions with the public-notification requirements if determined necessary by the District, though the project increases in Phase III are still contained within the Protected channel so not anticipated.

County / ADWR Review & Comment Response

Submit the draft package for District other jurisdiction review and address one (1) consolidated round of review comments prior to FEMA submittal.

FEMA Submittal & Comment Response

Compile and submit the complete CLOMR package to FEMA via the Online LOMC tool, and respond to one (1) round of FEMA review comments. Submittal fees are not included as a part of this proposal.

QA/QC

Technical QA/QC review of the model, analyses, forms, and TDN prior to submittal.

Deliverables

- Final CLOMR Technical Data Notebook (electronic, submittable format)
- Completed FEMA MT-2 forms and community acknowledgment form(s)
- Finalized HEC-RAS model (existing/duplicate-effective and proposed) and exhibits
- Floodway/encroachment analysis documentation
- Online LOMC CLOMR submittal and response to one round of FEMA comments

TASK 4.2 LOMR APPLICATION

Following completion of construction, Psomas will revise the CLOMR analyses to reflect as-built conditions and submit a LOMR to FEMA to revise the effective FIRM/FIS. This task is anticipated to be authorized after construction is substantially complete. Submittal fees are not included as a part of this proposal. It is assumed the District will provide Psomas as-built topographic data to update the

model with.

Project Management & Coordination

Project administration, coordination with the District and other jurisdictions, confirmation of as-built data sources and the LOMR submittal schedule.

As-Built Topographic Survey (Excluded)

Per conversations with the District, Psomas understands that as-built topographic data will be provided to Psomas by the District and is excluded from this scope of work.

Model Update to As-Built & Re-Run

Update the HEC-RAS geometry/terrain to as-built conditions and re-run all required profiles.

Update TDN to LOMR + Tables/Exhibits/Profiles

Revise the TDN to a LOMR (as-built) document; update comparison tables, flood profiles, and supporting narrative.

MT-2 Forms, Community Acknowledgment & As-Built Certifications

Update MT-2 forms, obtain community acknowledgment and as-built certifications required for the LOMR.

Annotated FIRMs / Workmap Update

Update annotated FIRM panels and workmap to reflect final as-built mapping.

FEMA Submittal & Comment Response

Submit the complete LOMR package via the Online LOMC tool and respond to one (1) round of FEMA review comments.

QA/QC

Technical QA/QC review prior to submittal to jurisdictions for signatures on MT-2 Forms.

Deliverables

- As-built LOMR Technical Data Notebook (electronic, submittable format)
- Updated MT-2 forms, certifications, and community acknowledgment
- As-built HEC-RAS model and updated exhibits/profiles
- Online LOMC LOMR submittal and response to one round of FEMA comments

TASK 14.0 CMAR SERVICES

TASK 14.1 CMAR SERVICES

The Consultant will attend and participate in Weekly Construction Meetings onsite with the County and CMAR. Consultant will review and respond to Requests for Information (RFI) and submittals related to the plans, special provisions, quantities, ecosystem preservation, and permits during construction of the Project.

The Consultant shall provide services as necessary for value engineering proposals submitted by the District or Contractor, securing any additional utility permits, temporary relocation of any existing utilities encountered during construction and on-call cultural resources, biological resources, and environmental hazards response field personnel should any change in conditions be encountered during construction.

End of Exhibit A-1 – Additional Scope of Services

Exhibit B-1 – Consultant Fee Proposal (2 Pages)

PSOMAS

Cortaro Narrows
Training Structures

ESTIMATED DIRECT LABOR (Psomas)

<u>Classification</u>	<u>Estimated Man-hours</u>	<u>Hourly Rate</u>	<u>Labor Costs</u>
Project Principal	2	\$260.37	\$ 520.74
Sr. Project Manager	74	\$228.98	\$ 16,944.52
Project Manager	76	\$201.40	\$ 15,306.40
Project Engineer	87	\$157.75	\$ 13,724.25
Designer	93	\$131.71	\$ 12,249.03
Survey Manager	0	\$183.03	\$ -
Project Surveyor	0	\$170.01	\$ -
Survey Tech.	0	\$95.72	\$ -
2-Man Survey	0	\$185.32	\$ -
Administration	3	\$102.62	\$ 307.86
Total	335		

Total Estimated Labor (Psomas) \$ 59,052.80

ESTIMATED DIRECT EXPENSES

Total

Direct Expenses TOTAL

Subconsultant

Total

Sub-Consultant TOTAL \$ -

TOTAL ESTIMATED LABOR (Psomas) \$ 59,052.80

TOTAL ESTIMATED DIRECT EXPENSES \$ -

TOTAL ESTIMATED OUTSIDE SERVICES \$ -

TOTAL ESTIMATED COST \$ 59,052.80

CONTRACT TOTAL \$ 59,052.80

Psomas
Project Fee Estimate / Authorized Task List

Project Number:	5SCNTS
Project Name:	Cortaro Narrows Post Design
Project Manager:	Chelsi Remme, PE
Date:	7/22/2026

Task No.	Design Description	Project Principal \$ 260.37 / Hr. Hrs. Amount		Sr. Project Manager \$ 228.98 / Hr. Hrs. Amount		Project Manager \$ 201.40 / Hr. Hrs. Amount		Project Engineer \$ 157.75 / Hr. Hrs. Amount		Designer \$ 131.71 / Hr. Hrs. Amount		Administration \$ 102.62 / Hr. Hrs. Amount		Psomas Task Total	Direct Cost	Sub Consultant Amount	Task Total
4.0	FEMA Compliance																
4.1	CLOMR Application		\$ -		\$ -	30	\$ 6,042.00	27	\$ 4,259.25	45	\$ 5,926.95		\$ -	\$ 16,228.20		\$ -	\$ 16,228.20
4.2	LOMR Application				\$ -	18	\$ 3,625.20	40	\$ 6,310.00	36	\$ 4,741.56		\$ -	\$ 14,676.76		\$ -	\$ 14,676.76
	Total FEMA Compliance	-	\$ -	-	\$ -	48	\$ 9,667.20	67	\$ 10,569.25	81	\$ 10,668.51	-	\$ -	\$ 30,904.96	\$ -	\$ -	\$ 30,904.96

14.0	CMAR Services																
14.1	Post Design Services		\$ -		\$ -		\$ -		\$ -		\$ -	3	\$ 307.86	\$ 307.86	\$ -	\$ -	\$ 307.86
	Weekly Const. Meeting onsite (30 meetings, October 1 thru April 30)			60	\$ 13,738.80								\$ 13,738.80			\$ 13,738.80	
	Responding to RFIs	2	\$ 520.74	8	\$ 1,831.84	20	\$ 4,028.00	12	\$ 1,893.00	12	\$ 1,580.52		\$ -	\$ 9,854.10	\$ -	\$ -	\$ 9,854.10
	Review of Submittals		\$ -	6	\$ 1,373.88	8	\$ 1,611.20	8	\$ 1,262.00		\$ -		\$ -	\$ 4,247.08	\$ -	\$ -	\$ 4,247.08
	Total CMAR Services	2	\$ 520.74	74	\$ 16,944.52	28	\$ 5,639.20	20	\$ 3,155.00	12	\$ 1,580.52	3	\$ 307.86	\$ 28,147.84	\$ -	\$ -	\$ 28,147.84

Proposal Total	2	\$ 520.74	74	\$ 16,944.52	76	\$ 15,306.40	87	\$ 13,724.25	93	\$ 12,249.03	3	\$ 307.86	\$ 59,052.80	\$ -	\$ -	\$ 59,052.80
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Total Labor Costs Psomas	\$ 59,052.80	
Total Direct Expenses	\$ -	
Total Sub Consultants	\$ -	
Total Cost		\$ 59,052.80

End of Exhibit B-1 – Consultant Fee Proposal