



BOARD OF SUPERVISORS AGENDA ITEM REPORT
AWARDS / CONTRACTS / GRANTS

Award Contract Grant

Requested Board Meeting Date: 10/17/2023

* = Mandatory, information must be provided

or Procurement Director Award:

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

Stantec Consulting Services, Inc.

***Project Title/Description:**

Brawley Wash Watershed Plan

***Purpose:**

Amendment: Contract No. CT-FC-21-290, Amendment No. Two (2). This amendment increases the contract amount by \$230,957.91 for a cumulative not-to-exceed amount of \$975,452.39 to allow further review of the flood plains models. Administering Department: Regional Flood Control District.

***Procurement Method:**

Pursuant to Solicitation for Qualifications No. SFQ-PO-2200015, on 02/02/21, the Board of Supervisors awarded a contract for this project in the amount of \$744,494.48 for a contract term of 02/02/21 to 06/30/23.

Amendment No. One (1) was approved by the Procurement Director on 6/29/23 to extend the term of the contract to 06/30/25 due to multiple delays related to delivery of a new complex hydraulic model, change Fee Proposal Rates, and add the Forced Labor of Ethnic Uyghurs clause to the contract.

Attachment: Amendment No. 2.

***Program Goals/Predicted Outcomes:**

Project will develop a Watershed Plan that will identify ways to reduce flooding and erosion in the Brawley Wash resulting in improved public safety and reduced risk to infrastructure. It will also identify alternatives that will reduce long term maintenance, improve habitat for wildlife and have a net benefit to cost for agriculture

***Public Benefit:**

The plan will reduce risk to people and property from flooding and erosion, as well as improve wildland habitat.

***Metrics Available to Measure Performance:**

Availability of a plan suitable for additional funding from the USDA Natural Resources Conservation Service for implementation.

***Retroactive:**

No.

TO: COB 10.3.23(1)
VERS: 20
PGS: 21

OCT03'23PM0145 PD

THE APPLICABLE SECTION(S) BELOW MUST BE COMPLETED

Click or tap the boxes to enter text. If not applicable, indicate "N/A". Make sure to complete mandatory (*) fields

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Commencement 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 22-10.

Amendment / Revised Award Information

Document Type: CT Department Code: FC Contract Number (i.e., 15-123): 21-290

Amendment No.: 02 AMS Version No.: 20

Commencement Date: 10/17/2023 New Termination Date: _____

Prior Contract No. (Synergen/CMS): _____

Expense Revenue Increase Decrease

Amount This Amendment: \$ 230,957.91

Is there revenue included? Yes No If Yes \$ _____

*Funding Source(s) required: U.S. Dept.of Agriculture Grant and Flood Control Tax Levy

Funding 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): _____

Commencement 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: Procurement Officer Denise Waldo Digitally signed by Denise Waldo Date: 2023.09.27 15:35:49 -0700 Division Manager Scott Loomis Digitally signed by Scott Loomis Date: 2023.09.27 15:38:08 -0700

Department: Procurement Director Terri Spencer Digitally signed by Terri Spencer Date: 2023.09.27 16:22:51 Telephone: 520.724.8458

Department Director Signature: _____ Date: 9/28/23
Deputy County Administrator Signature: _____ Date: 9/28/2023
County Administrator Signature: _____ Date: 9/29/2023

PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT

PROJECT: BRAWLEY WASH WATERSHED PLAN
CONSULTANT: Stantec Consulting Services, Inc.
5151 E. Broadway Blvd., Suite 400
Tucson, Arizona 85711
CONTRACT NO.: CT-FC-21-290
AMENDMENT NO.: Two (2)
FUNDING: U.S. Dept. of Agriculture Grant and Flood Control Tax Levy

CONTRACT TERM: 02/02/21 to 06/30/23	ORIGINAL CONTRACT AMOUNT:	\$	744,494.48
TERMINATION PRIOR AMENDMENT: 06/30/25	PRIOR AMENDMENT(S):	\$	-
TERMINATION THIS AMENDMENT: 06/30/25	AMOUNT THIS AMENDMENT:	\$	230,957.91
	REVISED CONTRACT AMOUNT:	\$	975,452.39

CONTRACT AMENDMENT

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

WHEREAS, DISTRICT intends to increase the level of effort to review the flood plains models.

WHEREAS, DISTRICT and CONSULTANT have agreed to the modifications.

NOW, THEREFORE, it is agreed as follows:

CHANGE: **ARTICLE 3 – COMPENSATION AND PAYMENT**, first paragraph as follows,

FROM: "In consideration of the services specified in this Contract, DISTRICT agrees to pay CONSULTANT Not to Exceed Seven Hundred Forty-Four Thousand Four Hundred Ninety-Four Dollars and Forty-Eight Cents (\$744,494.48). CONSULTANT'S fees will be as stated in EXHIBIT "B" - CONSULTANT FEE PROPOSAL (39 Pages), attached to this Contract. Hourly rates and all other rates included under this Contract will remain fixed throughout the term of the Contract. DISTRICT may consider adjustments to rates in connection with any extensions of the Contract term."

TO: "In consideration of the services specified in this Contract, DISTRICT agrees to pay CONSULTANT Not to Exceed Nine Hundred Seventy-Five Thousand Four Hundred Fifty-Two Dollars and Thirty-Nine Cents (\$975,452.39). CONSULTANT'S fees will be as stated in EXHIBIT "B" - CONSULTANT FEE PROPOSAL (39 Pages), and EXHIBIT "B" - **CONSULTANT FEE PROPOSAL, Attachment 1** (19 Pages), attached to this Contract. Hourly rates and all other rates included under this Contract will remain fixed throughout the term of the Contract. DISTRICT may consider adjustments to rates in connection with any extensions of the Contract term."

Remainder of page intentionally left blank.

ATTACH: EXHIBIT "B" - Consultant Fee Proposal, Attachment 1 (19 pages)

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:

Chair, Board of Directors

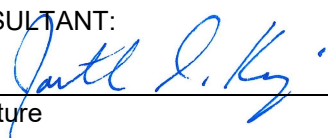
Date

ATTEST:

Clerk of the Board

Date

CONSULTANT:



Signature

Jonathan Keeling, Senior Principal

Name and Title (Please Print)

10/2/2023

Date

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

EXHIBIT "B" - CONSULTANT FEE PROPOSAL, Attachment 1 (19 Pages)



Stantec Consulting Services Inc.
One South Church Avenue, Suite 2100
Tucson AZ 85701-1635

May 22, 2023

Project/File: 181301206

Pima County Regional Flood Control District
201 North Stone Avenue Suite 9
Tucson, Arizona 85701

Dear Pima County Regional Flood Control District,

**Reference: Brawley Wash Watershed Plan-EA, CT-FC-21-290
Change Order No.1**

Stantec Consulting Services Inc. (Stantec) respectfully submits this Change Order for your review and/or approval. The Change Order includes a request for an extension of time, clarification of the current Scope of Services and additional budget.

[REDACTED]

Clarification of the Scope of Services

Prior to the onset of the hydraulic analysis phase of this assignment, it was determined that clarification of a portion of the Scope of Services was necessary. Based on discussions with District staff, NRCS and the Consultant Team, Stantec will evaluate alternatives during the 10- and 100-year recurrence events only. The 500-year event is not being considered for this study as there is a lack of critical infrastructure within the study limits or those facilities (e.g., CAVSARP) are already noted to be inundated during more frequent events (e.g., 10-year). More frequent events (e.g., 1- or 2-year storms) may demonstrate a benefit of the Natural Infrastructure for Dryland Streams alternative but would require additional analysis and modification of the hydraulic model and are not part of this Plan EA.

Additional Funding

As the hydraulic model used for this study is not under the control of the study's participants and that such a model has been revealed to be very complex (i.e., FLO-2D, seven large contiguous "domains"), additional effort involving coordination with model study contractor, as well as more complicated and time intensive hydraulic modeling for various alternatives determined by the Plan-EA team is required. For example, an alternative within a domain located within the upstream portion of the study area will need to be adjusted to incorporate the Plan-EA alternatives and will also require all downstream "domains" to be re-run to assess the benefit or disbenefit of each individual alternative for each individual storm type across the entire study area. Currently, there are five locations containing a total of eight alternatives and two storms for a total of

Reference: Brawley Wash Watershed Plan-EA, CT-FC-21-290

approximately 80 domain "executions". This increased level of effort was not known or could have been anticipated at the onset of this Plan EA study as the model was still under development at that time. In an effort, to minimize additional funding, Stantec will present a single case study whereby one of the more common alternatives will be evaluated at only one of the noted problem areas (i.e., Problem Area No.1 – Buckelew West, during the 10-yr event). It is believed that this demonstration will reveal there is no significant benefit to said alternative (i.e., Natural Infrastructure for Dryland Systems) during less frequent events (e.g., 100-yr) and that evaluation of other locations using the same technique will offer similar results.

An alternative to the above approach (i.e., developing a new hydrologic and hydraulic model) was considered but the estimated effort and additional time required to accomplish such an approach was found to require additional time and effort beyond the recommended approach as stated above.

If you have any questions regarding this request, please feel free to contact me or Joe Alwin (520-545-7440).

Sincerely,

STANTEC CONSULTING SERVICES INC.



Jon Keeling, PE
Principal
Phone: (859) 422-3054
jon.keeling@stantec.com



Joseph M. Alwin, PE
Senior Project Engineer
Phone: (520) 750-7474
joe.alwin@stantec.com

Attachment: Financial Accounting and Reporting (FAR, 2023)
Manhour back-up worksheets

Brawley Wash Watershed Plan-EA
Contract No. : SFQ-PO-2100003

Consultant: Stantec Consulting Services Inc.

Role: Prime Consultant

Date: 22-May-23

Change Order No.1

FEE PROPOSAL Part 1 - Additional Cost w/Updated Rates for Remaining Labor Cost Original Budget for FY2024 and FY2025

DIRECT LABOR						
Labor Classification	Man Hours	Hourly Rates (Original)	Labor Cost (Original)	Hourly Rates (Updated)	Labor Cost (Updated)	Additional Labor Cost
Principal	111	\$ 88.15	\$ 9,784.65	\$ 88.15	\$ 9,784.65	\$ -
Senior Project Manager	0	\$ 88.15	\$ -	\$ 88.15	\$ -	\$ -
QA/QC Manager	9	\$ 77.73	\$ 699.57	\$ 77.73	\$ 699.57	\$ -
Project Manager	26	\$ 77.73	\$ 2,020.98	\$ 77.73	\$ 2,020.98	\$ -
Senior Engineer	22	\$ 77.73	\$ 1,671.20	\$ 77.73	\$ 1,671.20	\$ -
Project Engineer	140	\$ 64.64	\$ 9,017.28	\$ 64.64	\$ 9,017.28	\$ -
Senior Structural Engineer	0	\$ 79.54	\$ -	\$ 79.54	\$ -	\$ -
Structural Engineer	0	\$ 51.41	\$ -	\$ 51.41	\$ -	\$ -
Structural EIT	0	\$ 36.33	\$ -	\$ 36.33	\$ -	\$ -
Engineer	0	\$ 49.52	\$ -	\$ 49.52	\$ -	\$ -
Junior Engineer	90	\$ 41.58	\$ 3,721.41	\$ 47.05	\$ 4,210.98	\$ 489.57
Engineer In Training	0	\$ 36.33	\$ -	\$ 38.85	\$ -	\$ -
Senior Agricultural Engineer	2	\$ 65.00	\$ 130.00	\$ 65.00	\$ 130.00	\$ -
Agricultural Engineer	0	\$ 49.52	\$ -	\$ 49.52	\$ -	\$ -
Technician/Designer	0	\$ 41.86	\$ -	\$ 49.34	\$ -	\$ -
CADD	0	\$ 40.65	\$ -	\$ 40.65	\$ -	\$ -
GIS Specialist	36	\$ 40.65	\$ 1,473.59	\$ 40.65	\$ 1,473.59	\$ -
GIS Technician (added labor classification)	0	n/a	\$ -	\$ 31.86	\$ -	\$ -
Engineering Intern	65	\$ 20.01	\$ 1,293.84	\$ 24.00	\$ 1,551.83	\$ 257.99
Secretary/Clerical	0	\$ 29.93	\$ -	\$ 29.93	\$ -	\$ -
Peer/Independent Review	19	\$ 77.73	\$ 1,476.87	\$ 77.73	\$ 1,476.87	\$ -
Survey Manager	0	\$ 65.00	\$ -	\$ 65.00	\$ -	\$ -
Survey Crew (1 man/GPS)	0	\$ 42.00	\$ -	\$ 42.00	\$ -	\$ -
Survey Crew (2 man/GPS)	0	\$ 58.00	\$ -	\$ 58.00	\$ -	\$ -
	518.4					

Consultant's Subtotal Direct Labor
 Updated Consultant's Overhead @ 165.248% of Direct Labor
 Consultant's Profit @ 8.0% of Direct Labor plus Overhead
Consultant's Total Direct Labor

Jul-2023 thru Jun-2025
 \$ 747.56
 \$ 1,235.32
 \$ 158.63
\$ 2,141.51

Brawley Wash Watershed Plan - Environmental Assessment

22-May-23

SFQ-PO-210003

FEE PROPOSAL Part 2 - Additional Budget Request - Project Administration FY2024 and FY2025

Stantec Consulting Services Inc.

DIRECT LABOR				
Labor Classification	Man Hours	Hourly Rates (Original)	Hourly Rates (Updated)	Additional Labor Cost w/Updated Rates
Principal	60	\$ 88.15	\$ 88.15	\$ 5,289.00
Senior Project Manager	0	\$ 88.15	\$ 88.15	-
QA/QC Manager	24	\$ 77.73	\$ 77.73	\$ 1,865.52
Project Manager	0	\$ 77.73	\$ 77.73	-
Senior Engineer	72	\$ 77.73	\$ 77.73	\$ 5,596.56
Project Engineer	0	\$ 64.64	\$ 64.64	-
Senior Structural Engineer	0	\$ 79.54	\$ 79.54	-
Structural Engineer	0	\$ 51.41	\$ 51.41	-
Structural EIT	0	\$ 36.33	\$ 36.33	-
Engineer	0	\$ 49.52	\$ 49.52	-
Junior Engineer	0	\$ 41.58	\$ 47.05	-
Engineer In Training	0	\$ 36.33	\$ 38.85	-
Senior Agricultural Engineer	0	\$ 65.00	\$ 65.00	-
Agricultural Engineer	0	\$ 49.52	\$ 49.52	-
Technician/Designer	0	\$ 41.86	\$ 49.34	-
CADD	0	\$ 40.65	\$ 40.65	-
GIS Specialist	0	\$ 40.65	\$ 40.65	-
Engineering Intern	0	\$ 20.01	\$ 24.00	-
Secretary/Clerical	0	\$ 29.93	\$ 29.93	-
Peer/Independent Review	0	\$ 77.73	\$ 77.73	-
Survey Manager	0	\$ 65.00	\$ 65.00	-
Survey Crew (1 man/GPS)	0	\$ 42.00	\$ 42.00	-
Survey Crew (2 man/GPS)	0	\$ 58.00	\$ 58.00	-
	156.0			

Consultant's Subtotal Direct Labor	\$ 12,751.08
Updated Consultant's Overhead @ <u>165.248%</u> of Direct Labor	\$ 21,070.90
Consultant's Profit @ <u>8.0%</u> of Direct Labor plus Overhead	\$ 2,705.76
Consultant's Total Direct Labor	\$ 36,527.74

Jul-2023 thru Jun-2025

Brawley Wash Watershed Plan - Environmental Assessment

22-May-23

SFQ-PO-2100003

FEE SUMMARY - Page 1 of 2

Subconsultant(s)		
Name of Subconsultant	Task	Total Cost
Gannett Fleming	Economics/Geology	\$ 21,032.21
SWCA, Inc	Environmental/Cultural/Social	\$ -
Tim Sweeny	NRCS Compliance Manager	\$ -
CMG Drainage, Inc.	Hydraulics/2D Modeling	\$ 150,790.39
Wilder Landscape Architects, Inc.	Landscape Resources	\$ -
QuietCreek	GIS/Geospatial Analyses	\$ -
Gordley Group	Public Involvement	\$ -

Total Subconsultant(s) without Additional Services \$ 171,822.60

Stantec Total Labor \$ 38,669.25

Stantec's Total Direct and Outside Expenses \$ -

Stantec Total: \$ 38,669.25

Stantec's Totals of Labor and Direct and Outside Expenses without Optional Task(s) \$ 38,669.25

Stantec's Existing Unused Budget on Completed Tasks (apply to remaining tasks - see detailed breakdown of budget used as offset on page 2 of FEE SUMMARY) \$ (4,533.94)

Stantec's Revised Totals of Labor and Direct and Outside Expenses without Optional Task(s) \$ 34,135.31

Stantec's PROPOSED FEE for Increased Budget for Task 5 Additional Services (Optional Task) \$ 25,000.00

Stantec's Total PROPOSED FEE \$ 59,135.31

A. TOTAL PROPOSED FEE without Optional Task(s) \$ 205,957.91

B. TOTAL OF ADDITIONAL SERVICES (TASK 5) \$ 25,000.00

C. TOTAL PROPOSED FEE \$ 230,957.91

Note - see page 2 of FEE SUMMARY for breakdown comparison of original project budgets to proposed budget changes

Stantec Consulting Services Inc.

Firm



Signature: Jon Keeling, PE

Title: Senior Principal

19-May-23

Date

FEE SUMMARY - Page 2 of 2

Detailed Breakdown of Unused Task Budgets (Tasks are considered complete at this time)

Task Number	Task Name	Unused Budget Remaining
101.101	Identify Problems, Opportunities and Concerns	\$ 264.85
101.103	Data Collection/Literature Review	\$ (1,709.93)
101.105	Determine Objectives	\$ 2,864.60
101.106	Inventory of Resources of Concern	\$ 12,155.22
201.201	Formulate Alternatives and Workshops	\$ 1,836.11
400.4	Project Administration (Original Agreement budget)	\$ (10,876.91)

*Note - all budgets shown are as of invoicing through April 30, 2023

Total Unused Task Budget (for tasks considered complete) \$ 4,533.94

Total above to be used as a partial offset to the additional Project Budget Request shown on Page 1 of the FEE SUMMARY

Comparison of Original Task Budgets and Proposed Budgets with this Change Order

Task Number	Task Name	Original Task Budget	Proposed Task Budget	Difference
101.101	Identify Problems, Opportunities and Concerns	\$ 6,977.43	\$ 6,712.58	\$ (264.85)
101.102	Public Involvement	\$ 16,596.43	\$ 16,718.86	\$ 122.43
101.103	Data Collection/Literature Review	\$ 8,254.33	\$ 9,964.26	\$ 1,709.93
101.104	Field Reconnaissance of Watershed	\$ 23,102.40	\$ 23,272.14	\$ 169.74
101.105	Determine Objectives	\$ 9,453.44	\$ 6,588.84	\$ (2,864.60)
101.106	Inventory Resources of Concern	\$ 31,735.68	\$ 19,580.46	\$ (12,155.22)
101.107	Analyze Resource Data	\$ 30,731.04	\$ 30,919.08	\$ 188.04
201.201	Formulate Alternatives and Workshops	\$ 35,700.71	\$ 33,864.60	\$ (1,836.11)
201.202	Evaluate Alternatives	\$ 24,273.05	\$ 24,617.46	\$ 344.41
201.203	Make Decisions	\$ 56,427.24	\$ 57,744.14	\$ 1,316.90
300.300	Stakeholder Involvement	\$ 9,495.16	\$ 9,495.16	\$ -
400.400	Project Administration	\$ 34,424.22	\$ 81,828.87	\$ 47,404.65
500.000	Task 5 Additional/Optional Services (remaining from original \$35,000)	\$ 3,059.51	\$ 28,059.51	\$ 25,000.00
500.001	Optional No. 1 - Social Pinpoint	\$ 5,534.35	\$ 5,534.35	\$ -
500.002	Optional No. 2 - Project Administration (FY2023)	\$ 24,656.14	\$ 24,656.14	\$ -
500.003	Optional No. 3 - Additional Quiet Creek Work	\$ 1,750.00	\$ 1,750.00	\$ -
700	Gannett Fleming	\$ 81,953.91	\$ 102,986.12	\$ 21,032.21
701	SWCA	\$ 138,773.04	\$ 138,773.04	\$ -
702	Gardley Group	\$ 54,432.60	\$ 54,432.60	\$ -
703	Wilder Landscape Architects	\$ 46,564.25	\$ 46,564.25	\$ -
704	CMG Drainage	\$ 51,184.55	\$ 201,974.94	\$ 150,790.39
705	Quiet Creek	\$ 14,975.00	\$ 14,975.00	\$ -
706	Tim Sweeney	\$ 16,720.00	\$ 16,720.00	\$ -
900	Expenses	\$ 17,720.00	\$ 17,720.00	\$ -
Total Budgets:		\$ 744,494.48	\$ 975,452.39	\$ 230,957.91
Stantec Budgets:		\$ 322,171.13	\$ 381,306.44	\$ 59,135.31

Brawley Wash Watershed Plan - Environmental Assessment
5/22/2023 **SFQ-PO-2100003**

Stantec Consulting Services Inc.				
	Unit Price		Quantity	Amount
B&W Copies 8 1/2 x 11	\$ 0.06	each	0	\$ -
Color Copies 8 1/2 x 11	\$ 0.25	each	0	\$ -
B&W Copies 11 x 17	\$ 0.13	each	0	\$ -
Color Copies 11 x 17	\$ 0.50	each	0	\$ -
Large B&W Plots	\$ 0.10	sq ft	0	\$ -
Large Color Plots	\$ 2.50	sq ft	0	\$ -
Binding Spiral	\$ 3.50	each	0	\$ -
Binding 3-Ring	\$ 8.50	each	0	\$ -
Report Pockets	\$ 0.48	each	0	\$ -
DVDs	\$ 4.00	each	0	\$ -
Thumb Drives (256 GB)	\$ 39.00	each	0	\$ -
Misc. Special Printing/Supplies/Delivery	\$ 500.00	job	0	\$ -
				\$ -
Hotel	\$ 100.00	night	0	\$ -
Per Diem/Incidentals	\$ 49.00	day	0	\$ -
Mileage	\$ 0.45	mile	0	\$ -
Rental Vehicle (SUV/Truck)	\$ 45.00	day	0	\$ -
Rental Vehicle Gas (assume \$3/gal)	\$ 3.00	gal	0	\$ -
Direct and Outside Expenses				\$ -

Brawley Wash Watershed Plan - Environmental Assessment

20-Apr-23

FEE PROPOSAL			
Gannett Fleming, Inc.			
DIRECT LABOR			
Labor Classification	Man Hours	Hourly Rates	Labor Cost
Project Principal	4	\$ 88.00	\$ 352.00
Principal Economist	44	\$ 62.70	\$ 2,758.80
Senior Economist	48	\$ 54.50	\$ 2,616.00
GIS analyst	48	\$ 38.60	\$ 1,852.80
Labor Category 5	0	\$ 1.00	\$ -
Labor Category 6	0	\$ 1.00	\$ -
Labor Category 7	0	\$ 1.00	\$ -
Labor Category 8	0	\$ 1.00	\$ -
Labor Category 9	0	\$ 1.00	\$ -
Labor Category 10	0	\$ 1.00	\$ -
Labor Category 11	0	\$ 1.00	\$ -
Labor Category 12	0	\$ 1.00	\$ -
Labor Category 13	0	\$ 1.00	\$ -
Labor Category 14	0	\$ 1.00	\$ -
Labor Category 15	0	\$ 1.00	\$ -
Labor Category 16	0	\$ 1.00	\$ -
Labor Category 17	0	\$ 1.00	\$ -
Labor Category 18	0	\$ 1.00	\$ -
Labor Category 19	0	\$ 1.00	\$ -
Labor Category 20	0	\$ 1.00	\$ -
Labor Category 21	0	\$ 1.00	\$ -
Labor Category 22	0	\$ 1.00	\$ -
Labor Category 23	0	\$ 1.00	\$ -
	144.0		

	144.0		
	Consultant's Subtotal Direct Labor	\$	7,579.60
	Consultant's Overhead @ <u>156.93%</u> of Direct Labor	\$	11,894.67
	Consultant's Profit @ <u>8.0%</u> of Direct Labor plus Overhead	\$	1,557.94
	Consultant's Total Direct Labor	\$	21,032.21

Brawley Wash Watershed Plan - Environmental Assessment

May 1, 2023

SFQ-PO-2100003

FEE PROPOSAL			
CMG DRAINAGE ENGINEERING, INC.			
DIRECT LABOR			
Labor Classification	Man Hours	Hourly Rates	Labor Cost
Project Principal	80	\$ 63.03	\$ 5,042.40
Project Manager	313	\$ 56.72	\$ 17,753.36
Sr. Project Engineer/Hydrologist	240	\$ 50.42	\$ 12,100.80
Project Engineer / Hydrologist	200	\$ 43.69	\$ 8,738.00
Designer	250	\$ 38.23	\$ 9,557.50
CADD Technician	250	\$ 32.77	\$ 8,192.50
Clerical / Administration	0	\$ 23.95	\$ -

1333.0

Cost Escalation <u>3.0%</u>		Jul-2023 thru Jun-2025
	Consultant's Subtotal Direct Labor	\$ 61,384.56
	Consultant's Overhead @ <u>127.00%</u> of Direct Labor	\$ 77,958.39
	Consultant's Profit @ <u>8.0%</u> of Direct Labor plus Overhead	\$ 11,147.44
	Consultant's Total Direct Labor	\$ 150,490.39

Brawley Wash Watershed Plan - Environmental Assessment

December 22, 2020

SFQ-PO-2100003

CMG DRAINAGE ENGINEERING, INC.				
	Unit Price		Quantity	Amount
B&W Copies 8 1/2 x 11	\$ 0.15	each	300	\$ 45.00
Color Copies 8 1/2 x 11	\$ 0.15	each	300	\$ 45.00
B&W Copies 11 x 17	\$ 0.30	each	300	\$ 90.00
Color Copies 11 x 17	\$ 0.30	each	400	\$ 120.00
Large B&W Plots	\$ 1.00	sq ft	0	\$ -
Large Color Plots	\$ 1.00	sq ft	0	\$ -
Binding Spiral	\$ 1.00	each	0	\$ -
Binding 3-Ring	\$ 1.00	each	0	\$ -
Report Pockets	\$ 1.00	each	0	\$ -
DVDs	\$ 1.00	each	0	\$ -
Thumb Drives (256 GB)	\$ 1.00	each	0	\$ -
Misc. Special Printing/Supplies/Delivery	\$ 1.00	each	0	\$ -
				\$ -
Hotel	\$ 100.00	night	0	\$ -
Per Diem/Incidentals	\$ 49.00	day	0	\$ -
Mileage	\$ 0.45	mile	0	\$ -
Rental Vehicle (SUV/Truck)	\$ 1.00	day	0	\$ -
Rental Vehicle Gas (assume \$3/gal)	\$ 3.00	gal	0	\$ -
Direct and Outside Expenses				\$ 300.00

CMG DRAINAGE ENGINEERING, INC.									
Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
1.0	IDENTIFY PROBLEMS, DETERMINE OBJECTIVES INVENTORY RESOURCES AND ANALYSES	0	0	0	0	0	0	0	0
1	Identify Problems, Opportunities and Concerns								0
2	Public Involvement								0
	Draft Public Involvement Outline								0
	Prepare Response to Review Comments								0
	Draft Final Public Involvement Outline								0
	Twelve Undelined Informational Meetings (1.5hr each)								0
	Fact Sheet								0
	Public Meeting No. 1								0
	Public Meeting No. 2								0
3	Data Collection/Literature Review - District and NRCS								0
	Draft Data Collection Memorandum								0
	Prepare Response to Review Comments								0
	Final Data Collection Memorandum								0
	Identification of Data Gaps								0
4	Field Reconnaissance of Watershed								0
	District Facilitated Site Visits (3) 1-day each								0
	Consultant site visits (6) 1/2 day each								0
5	Determine Objectives								0
6	Inventory of Resources of Concern								0
	Listing of Data Sources								0
	Collection of Data for Resources of Concern								0
	Air quality								0
	Ecological critical areas								0
	Identify floodplains, flooding issues, drainage complaints, documented sedimentation and erosion issues and documented historic flood data								0
	Croplands: Prime, Unique and Highly erodible (these are assumed to be provided by NRCS in the form of shapefiles)								0
	Invasive species								0
	Land use and crop inventory data								0
	Migratory birds								0
	Natural areas, parklands, scenic areas, riparian areas								0
	Range health data (to be provided by local resources - farmers, ranchers, NRCS, etc.)								0
	Soils inventory data (NRCS soils mapping)								0

CMG DRAINAGE ENGINEERING, INC.									
Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
	Threatened and endangered species, upland wildlife species								0
	Water bodies, lakes and streams								0
	Water quality and quantity data (surface and groundwater)								0
	Locate and identify wetlands and identify wetland wildlife species								0
	Social/Population demographics								0
	Identify effects to public health and safety								0
	Identify effects to homes, businesses, and agricultural operations								0
	Identify visual concerns								0
	Collect economic data								0
	Identify non-NEPA laws related to project area								0
	Identify approved regional water resource plans in project area (groundwater recharge facilities)								0
	Consultation with SHPO, State Archeologist, Tribes								0
	Conduct cultural resources surveys of project area - Phase I survey								0
	Collect available topographic mapping								0
	Collect and review available geologic, seismic, subsidence information								0
	Special Environmental Concerns								0
	Infrastructure and Land Ownerships								0
7	Analyze Resource Data								0
	Conduct Resource Analyses								0
	Field Office Technical Guides (FOIG)								0
	Prepare Maps (GIS, exhibits)								0
	Review flooding, erosion, sedimentation causes								0
	Resource Causes and Conditions								0
	Endangered species act resources evaluation								0
	Document Analyses/Draft EA Affected Environment								0
	Statement of Objectives								0
	Determine Level of EE - EA or ES								0
2.0	FORMULATE AND EVALUATE ALTERNATIVES/RECOMMENDED PLAN AND WRITE PLAN/EA	80	273	240	200	250	250	0	1,293
1	Formulate Alternatives and Workshops								0
	Prepare Toolbox for Developing Alternatives								0
	Prepare initial List of Alternatives - description								0
	Prepare short description/exhibit of initial List								0
	Alternatives Workshop - Prepare and Conduct								0
	Revised initial List of Alternatives - description/exhibit/costs								0

CMG DRAINAGE ENGINEERING, INC.									
Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
	Develop Alternative Ranking and Screening Approach/Method								0
	Feasibility Workshop - Prepare and Conduct								0
	Preliminary Draft Alternatives Memorandum								0
	Prepare Response to Review Comments								0
	Final Alternatives Memorandum								0
2	Evaluate Alternatives								0
	Economic analysis of alternatives studied in detail								0
	Hydraulics analyses of Alternatives studied in detail	80	273	240	200	250	250		1293
	Environmental consequences of recommended actions								0
	Effects on human environment of recommended actions								0
	Compare Alternatives to FWOI								0
	Determining if any actions create any precedents								0
	identification of risk and uncertainty of effects								0
	identification of major environmental conflicts resolved								0
	identification of adverse environmental effects that cannot be avoided								0
	Determine potential for affect controversy								0
	Conflicts between Federal, State, Local and Tribal Policies, laws and objectives								0
3	MAKE DECISIONS								0
	Alternative Selection Workshop (1/2 day) prepare and conduct								0
	Draft Alternatives Selection Memorandum								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Final Alternatives Selection Memorandum								0
A	Prep and Submit Draft Prelim Plan-EA Report for District/NRCS AZ Review (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Prep and Submit Draft Prelim Plan-EA Report for District/NRCS AZ Review (2nd submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg Revise Report								0
B	Prep and Submit Prelim Plan-EA Report to District/NRCS NWMC (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Prep and Submit Prelim Plan-EA Report to District/NRCS AZ (2nd submittal)								0

CMG DRAINAGE ENGINEERING, INC.									
Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
C	Prep and Submit Draft Plan-EA to District/NRCS HQ (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
D	Prep and Submit Draft Plan-EA to District/Public/Agency								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
E	Prep and Submit Draft Final Plan-EA to District/NRCS HQ (1st submittal)								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
F	Prep and Submit Final Plan-EA to District/NRCS								0
3.0	STAKEHOLDER INVOLVEMENT	0	0	0	0	0	0	0	0
	Pima County Departments								0
	Tucson Water								0
	Town of Marana								0
	Allan Valley Conservation Alliance								0
	Arizona State Land Department								0
	Pima Natural Resources Conservation District								0
	Arizona Fish and Game								0
	Central Arizona Project								0
	Coalition for Sonoran Desert Protection								0
	Community Water Coalition								0
	Pima Association of Governments								0
	Sonoran Institute								0
	Tucson Audubon								0
	Tobiano O'Bohannon Nelson								0
	BKW Farms								0
	Boa Sorie								0
	Avra Valley Wildlife Connectivity Working Group								0
4.0	PROJECT ADMINISTRATION	0	40	0	0	0	0	0	40
	Progress Reports and Invoicing		22						22
	Project Schedule								0
	Meetings								0
	Project Kick Off Meeting (conduct and prep)								0
	Monthly Meetings (9 total conduct and prep)		18						18
	Draft QA/QC Plan								0
	Prepare Response to Review Comments/Comment Resolution Mtg								0
	Final QA/QC Plan								0
	Total Hours without Optionals	80	313	240	200	250	250	0	1,333
	Bill Rates	\$ 63.03	\$ 56.72	\$ 50.42	\$ 43.69	\$ 38.23	\$ 32.77	\$ 23.95	

CMG DRAINAGE ENGINEERING, INC.									
Task	TASK DESCRIPTION	Project Principal	Project Manager	Sr Project Engineer / Hydrologist	Project Engineer / Hydrologist	Designer	CADD Technician	Clerical / Administration	CMG Total
	Direct Labor Total	\$ 5,145.40	\$ 1,758.36	\$ 12,100.60	\$ 8,738.00	\$ 9,507.20	\$ 8,142.90	\$ -	\$ 41,084.56
	Overhead	\$ 6,407.65	\$ 2,346.77	\$ 15,368.02	\$ 11,097.20	\$ 12,138.00	\$ 10,404.48	\$ -	\$ 72,158.99
	Profit	\$ 475.70	\$ 1,694.01	\$ 11,978.81	\$ 8,586.82	\$ 9,335.14	\$ 8,407.28	\$ -	\$ 41,447.44
	Total Labor	\$ 12,028.75	\$ 5,799.14	\$ 40,447.43	\$ 28,421.02	\$ 31,400.38	\$ 26,954.66	\$ -	\$ 150,489.99
	Direct Expenses								\$ 300.00
	Total								\$ 150,789.99

END OF EXHIBIT B ATTACHMENT 1