



**GWA RESOLUTION NO. 04-FY2021**

**RELATIVE TO APPROVAL OF A CHANGE ORDER FOR A CONSTRUCTION  
MANAGEMENT CONTRACT FOR PHASE II OF THE ASAN-ADELUP-HAGATNA,  
ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT  
S15-002-EPA**

**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

**WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, GWA has received a grant from the United States Environmental Protection Agency (“USEPA”) under the State Revolving Fund (“SRF”) program to improve the sewer collection system, which included the gravity sewer line along Route 1, from the Asan “War in the Pacific” National Historical Park to the Agana Main Pump Station; and

**WHEREAS**, the segments of gravity sewer line indicated is deteriorating and has experienced collapses, bellies in the sewer line, offsets, and sections of missing or badly corroded pipe, and the intent of this project is to rehabilitate, repair or replace these sections; and

**WHEREAS**, GWA procured construction management (CM) services through Request for Proposal No. RFP-04-ENG-2017 that included CM services for the Rt.1 Sewer Line Rehabilitation and Replacement Project from Asan to Hagatna; and

**WHEREAS**, due to funding limitations, the full scope of work for construction of the Rt.1 Sewer Rehabilitation and Replacement Project was divided into phases such that Phase I construction was awarded to InfraTech International LLC for Phase I, from Asan to the Asan

1 Pump Station, through Invitation for Re-Bid No. IFB-11-ENG-2017 (GWA Project No. S15-  
2 002-EPA) and Phase II, from the Asan Pump Station to Adelup and toward Hagatna, was  
3 recently advertised through Invitation for Bid no. IFB-06-ENG-2020 (GWA Project No. S15-  
4 002-EPA); and

5  
6 **WHEREAS**, GWA selected Duenas, Camacho & Associates, Inc. (DCA) for the CM  
7 Services, and negotiated with DCA for Phase I in the amount of amount of Eight Hundred  
8 Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41); and

9  
10 **WHEREAS**, by Resolution No. 30-FY2018, see Exhibit A, the CCU authorized  
11 awarding the CM services contract to DCA and CM services was contracted to DCA for a  
12 maximum amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars  
13 and Forty-Five Cents (\$957,671.45) which included Eighty-Seven Thousand Sixty-One Dollars  
14 and Four Cents (\$87,061.04) for contingencies; and,

15  
16 **WHEREAS**, GWA and USEPA agree that efforts to rehabilitate, repair or replace these  
17 sewer lines are necessary and the proceeding order to accomplish such task is through services  
18 that include construction management; and

19  
20 **WHEREAS**, GWA is preparing to award a contract to the lowest responsive and  
21 responsible bidder under the Phase II IFB; and,

22  
23 **WHEREAS**, GWA requires CM services for Phase II construction and has negotiated a  
24 fair and reasonable fee for such services from DCA under the scope of work advertised under  
25 Request for Proposal No. RFP-04-ENG-2017; and,

26  
27 **WHEREAS**, GWA management is requesting to amend the DCA contract to provide  
28 construction management services for Phase II in the amount of Five Hundred Seventy-One  
29 Thousand Five Hundred Fifty (\$571,550.00), see Exhibit B, including a contingency amount of  
30 Twenty-Eight Thousand Four Hundred Fifty Dollars (\$28,450.00), for a total amount of Six  
31 Hundred Thousand Dollars (\$600,000.00); and,

1       **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,  
2 if necessary, GWA Bond funds.

3  
4       **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
5 does hereby approve the following:

- 6           1. The recitals set forth above hereby constitute the findings of the CCU.
- 7           2. The CCU finds that the terms of the fee proposal submitted by DCA are fair  
8 and reasonable (See Exhibit B).
- 9           3. The CCU finds that the terms of the conditions set by GWA relative to  
10 commencement of work activities are fair and reasonable and serve as a  
11 measure of Quality Assurance/Quality Control (QA/QC).
- 12           4. The CCU hereby authorizes the management of GWA to execute a Change  
13 Order to the contract with DCA in the amount of Six Hundred Thousand  
14 Dollars (\$600,000.00).
- 15           5. The CCU hereby further approves the total funding for the CM contract with  
16 DCA in the amount of One Million Five Hundred Fifty-Seven Thousand Six  
17 Hundred and Seventy-One Dollars and Forty-Five Cents (\$1,557,671.45).
- 18

19       **RESOLVED**, that the Chairman certified, and the Board Secretary attests to the adoption  
20 of this Resolution.

21  
22       **DULY AND REGULARLY ADOPTED**, this 24<sup>th</sup> day of November 2020.

23  
24       Certified by:

25  
26       

27       **JOSEPH T. DUENAS**

28       Chairperson

29       Attested by:

30  
31       

32       **MICHAEL T. LIMTIACO**

Secretary

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The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

[illegible]

# EXHIBIT A



CONSOLIDATED COMMISSION ON UTILITIES  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

## RESOLUTION NO. 30-FY2018

### RELATIVE TO APPROVAL OF A CONSTRUCTION MANAGEMENT CONTRACT FOR THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT S15-002-EPA

**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

**WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation established, and existing under the laws of Guam; and

**WHEREAS**, GWA has received a grant from the United States Environmental Protection Agency (“USEPA”) under the State Revolving Fund (“SRF”) program to improve the sewer collection system, which included the gravity sewer line along Route 1, from the Asan “War in the Pacific” National Historical Park to the Agana Main Pump Station; and

**WHEREAS**, the segments of gravity sewer line indicated is deteriorating and has experienced collapses, bellies in the sewer line, offsets, and sections of missing or badly corroded pipe, and the intent of this project is to rehabilitate, repair or replace these sections; and

**WHEREAS**, GWA procured engineering design services through RFP-02-ENG-2015 that included general civil engineering, geotechnical engineering, and archeological investigation for wastewater collection system evaluation, analysis and detailed design; and

**WHEREAS**, the professional engineering design services have been completed by HDR Engineering, Inc. through contract, which was signed on December 10, 2015, and all rendered design documents have been accepted by GWA in May 2017; and

1  
2       **WHEREAS**, GWA and USEPA agree that efforts to rehabilitate, repair or replace these  
3 sewer lines are necessary and the proceeding order to accomplish such task is through services  
4 that include construction management; and

5  
6       **WHEREAS**, GWA has advertised the Request for Proposal (RFP-04-ENG-2017) dated  
7 March 30, 2017, soliciting statement of qualifications from experienced and qualified  
8 engineering firms to provide construction management services for the ASAN-ADELUP-  
9 HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT;  
10 and

11  
12       **WHEREAS**, RFP packages were downloaded by multiple interested parties, from which  
13 GWA received proposal submittal from eight (8) engineering firms before the RFP submittal  
14 deadline; and

15  
16       **WHEREAS**, the GWA A-E Selection Committee reviewed and evaluated the eight (8)  
17 proposals (see EXHIBIT A-Evaluation Score) and generated a short list of the top three (3) firms  
18 with a recommendation to award a contract to the firm DUENAS, CAMACHO &  
19 ASSOCIATES, INC. ("DCA") and any successor at interest thereto (see EXHIBIT B- GM  
20 Determination); and

21  
22       **WHEREAS**, GWA advertised the initial Invitation to Bid (IFB-06-ENG-2017) for the  
23 construction of this project on May 12, 2017, and received no responsive and responsible  
24 bidders; and

25  
26       **WHEREAS**, GWA advertised a second time, with the Invitation to Re-Bid (IFB-11-  
27 ENG-2017) on October 31, 2017, and again received no responsive and responsible bidders; and

28  
29       **WHEREAS**, Following the second attempt, GWA revised the bid documents and Bid  
30 Form to include two separate, independent Bid Schedules, Bid Schedule A and Bid Schedule B,  
31 with Bid Schedule A being primarily repairs by Cured-In-Place-Pipe installation, and Bid  
32 Schedule B being repairs entirely by Open Cut and Replacement; and

1  
2       **WHEREAS**, GWA advertised the next Invitation to Re-Bid (IFB-05-ENG-2018) on May  
3 4, 2018, with the two revised Bid Schedules; and  
4

5       **WHEREAS**, Bid Schedule A will be opened first, and if bids should be opened and  
6 found to be responsive and responsible, the lowest responsive and responsible bid will be  
7 selected; and  
8

9       **WHEREAS**, if no Contractors submit for Bid Schedule A, Bid Schedule B will then be  
10 opened, and the lowest responsive and responsible bid will be selected from Bid Schedule B; and  
11

12       **WHEREAS**, DCA and GWA negotiated the price for the construction management  
13 services to be provided if either Bid Schedule A or Bid Schedule B is selected; and  
14

15       **WHEREAS**, If Bid Schedule A is selected, the construction management services with  
16 DCA will be in the amount of Six Hundred Eighty-Three Thousand Nine Hundred Thirty-One  
17 Dollars and Thirty-Four Cents (\$683,931.34) on a Time and Materials basis (See EXHIBIT C –  
18 Fee Proposal); and  
19

20       **WHEREAS**, If Bid Schedule B is selected, the construction management services with  
21 DCA will be in the amount of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and  
22 Forty-One Cents (\$870,610.41) on a Time and Materials basis (See EXHIBIT C – Fee Proposal);  
23 and  
24

25       **WHEREAS**, GWA Management seeks approval of the fee proposal for the Scope of  
26 Work relative to the construction Bid Schedule B, which includes construction management,  
27 inspection, and project coordination services during construction of Eight Hundred Seventy  
28 Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41), plus a ten percent  
29 (10%) contingency of Eighty-Seven Thousand Sixty-One Dollars and Four Cents (\$87,061.04),  
30 for a total amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars  
31 and Forty-Five Cents (\$957,671.45); and  
32

1       **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,  
2 if necessary, GWA Bond funds applicable to the project; and  
3

4       **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
5 does hereby approve the following:

- 6           1. The recitals set forth above hereby constitute the findings of the CCU.  
7           2. The CCU finds that the terms of the fee proposal submitted by Duenas, Camacho  
8           & Associates, Inc. (DCA) are fair and reasonable.  
9           3. The CCU finds that the terms of the conditions set by GWA relative to  
10          commencement of work activities are fair and reasonable and serve as a measure  
11          of Quality Assurance/Quality Control (QA/QC).  
12          4. The CCU hereby authorizes the management of GWA to enter into a contract  
13          with DCA in the amount of Eight Hundred Seventy Thousand Six Hundred Ten  
14          Dollars and Forty-One Cents (\$870,610.41) (EXHIBIT C).  
15          5. The CCU hereby further approves the total funding amount for this project of  
16          Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents  
17          (\$870,610.41), plus a ten percent (10%) contingency of Eighty-Seven Thousand  
18          Sixty-One Dollars and Four Cents (\$87,061.04), to bring the total authorized  
19          funding amount to a maximum of Nine Hundred Fifty-Seven Thousand Six  
20          Hundred Seventy-One Dollars and Forty-Five Cents (\$957,671.45).

21       **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption  
22 of this Resolution.  
23

24 //

25 //

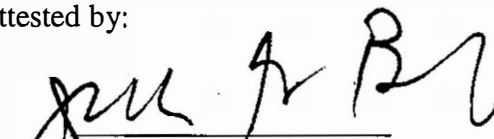
26       **DULY AND REGULARLY ADOPTED**, this 22nd day of May 2018.  
27

28       Certified by:

29       Attested by:

30       

31       **JOSEPH T. DUENAS**  
32       Chairperson

30         
31       **J. GEORGE BAMBA**  
32       Secretary



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## SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES:

4

NAYS:

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ABSTENTIONS:

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ABSENT:

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# Exhibit A (1 of 2)




## GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building • 688 Route 15 • Mangilao, Guam 96913

May 19, 2017

To: Thomas F. Cruz, P.E., Chief Engineer

From: Gloria P. Bensa   
Chairperson, Consultant Selection Board

Subject: RFP-04-ENG-2017  
Construction Management Services for the Asan-Adelup-Hagatna, Route 1  
Sewerline Rehabilitation and Replacement  
GWA Project No. S15-002-EPA

The following information is intended to document the evaluation process undertaken for the referenced solicitation.

EVALUATION COMMITTEE MEMBERS	
Name	Title
Clinton Huntington II	Senior Engineer
Rylma Carino	Junior Engineer
Anthony Chargualaf	Operations Manager
George Watson	Brown & Caldwell, PMO

Consultant	Evaluation Score				Total	Rank
1. AmOrient	85	89	81	75	330	4
2. EMPSCO Engineering Consultants	62	90	86	86	324	5
3. LYON	80	85	80	70	315	7
4. E.M. Chen & Associates, Inc.	77	88	81	70	316	6
5. Duenas, Camacho & Associates	82	92	92	90	356	1
6. TG Engineers, PC	83	91	90	85	349	2
7. Coeval Design Partners	70	84	74	66	294	8
8. AECOM	75	89	86	89	339	3

Scores were evaluated based on sum of the individual scores. The recommendation of the evaluation committee is shown in the ranking above.

Please review and approve at your earliest convenience so that we may proceed with the notification letters.

# Exhibit A (2 of 2)




## GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

Gloria B. Nelson Public Service Building  
688 Route 15, Mangilao, Guam 96913

### MEMORANDUM

TO: Thomas F. Cruz, P.E., Chief Engineer  
FROM: Gloria P. Bensaon   
SUBJECT: CM Selection  
DATE: May 18, 2017

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Per our discussion with the General Manager and Legal Counsel on May 15, 2017, the CM selection team reconvened on May 16, 2017 at 2:30 pm to discuss the merits of evaluation for each proposal submitted for the following projects:

1. Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
2. Route 2 War in the Pacific National Park Sewerline Rehabilitation and Replacement

Each selection committee reviewed the RFP proposals and reevaluated them based on the predetermined set of criteria. Committee members obtained reasonable, rational and consistent basis for their scores in comparison to the evaluation criteria outlined in the solicitation documents and determined the final ranking of proposers as shown in the attached evaluation summary.

# Exhibit B (1 of 1)


## GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

Gloria B. Nelson Public Service Building  
688 Route 15, Mangilao, Guam 96913

### MEMORANDUM

To: Miguel C. Bordallo, P.E., General Manager

From: Thomas F. Cruz, P.E., Chief Engineer 

Subject: RFP-04-ENG-2017  
Construction Management Services for the Asan-Adelup-Hagatna, Route 1  
Sewerline Rehabilitation and Replacement  
GWA Project No. S15-002-EPA

Date: May 19, 2017

The Selection Committee has completed all necessary actions for selecting the most qualified consultant for the referenced solicitation. All proposals were reviewed and scored according to the conditions established in the solicitation. The evaluation summary sheet is attached for your information.

The committee recommends the following top three (3) firms in order of preference for the project:

1. Duenas, Camacho & Associates
2. TG Engineers, PC
3. AECOM

Concurred:

  
VINCENT E. GUERRERO  
Supply Management Administrator

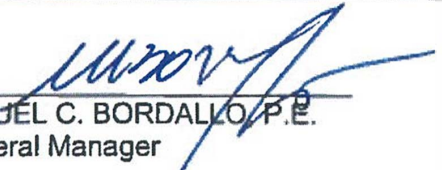
5/22/2017  
Date

### GENERAL MANAGER'S DETERMINATION

Consultant Firm Selected:

DUENAS CAMACHO & ASSOC.

Remarks:

  
MIGUEL C. BORDALLO, P.E.  
General Manager

5.23.17  
Date

April 23, 2018

Guam Waterworks Authority  
Engineering Division, Room 202  
Gloria B. Nelson Public Service Building  
688 Route 15, Mangilao, GU 96913

Attention: **Mr. Thomas F. Cruz, Chief Engineer, GWA / George Watson, Brown & Caldwell**

Subject: **GWA RFP-04-ENG--2017, Construction Management Services for  
Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and  
Replacement, GWA Project No. S15-002-EPA**

Re: *Revised Fee Proposal Related to Bid Schedules A and B*

Hafa Adai:

Duenas, Camacho & Associates, Inc. is pleased to submit this *revised* fee proposal for **GWA RFP-04-ENG-2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**. The revisions and updates include the following:

1. Fee estimates for:
  - a. CM Services under Base Bid Schedule A – CIPP Rehabilitation of Existing Sewer Lines  
**Revised Fee Estimate: \$683,931.34 including a \$10,000 Time & Material allowance for Material Testing**
  - b. ~~CM Services under Base Bid Schedule B – Cut and Cover Construction of New Sewer Lines~~  
~~Fee Estimate: \$654,143.21 including a \$20,000 Time & Material allowance for Material Testing~~  
**Revised estimate for Bid Schedule B attached.**
2. 2018 (current) DCA Personnel Labor and OH Rates
3. A GRT Tax Rate of 5% (recently enacted into law)

Our revised fee estimates for construction management services for each Bid Schedule are supported by the following:

- Detailed Fee Breakdown showing an estimate of effort and expenses
- Exhibit A – Estimated expenses for DCA and CH2M submitted earlier (no change)
- Deletion of Secure Safe Solutions for video surveillance (as requested by GWA)

As indicated in our Proposal submitted in response to the subject RFP, DCA will retain CH2M (our CM Team CIPP Specialist) if a Construction Contract is awarded under Base Bid Schedule A – CIPP Rehabilitation of Existing Sewer Lines. Geo-Engineering & Testing Inc. will provide geotechnical consultation and quality assurance material testing services. The cost for video surveillance by Secure Safe Solutions has been removed at GWA's request.

The estimate of CM effort is based on the following assumptions:

1. The Scope of CM services and tasks as described in the RFP;
2. Base Bid Schedules A and B as described in the amended Bid Form provided to DCA;
3. Project construction duration of 450 calendar days;
4. Full-time resident inspection and supplementary inspection (25% of resident inspection effort for CM Services under Base Bid Schedule A and 50% of resident inspection effort for CM services under Base Bid Schedule B);

## Exhibit C (2 of 9)

April 23, 2018

5. Part-time CM support by our CIPP Specialist from CH2M under Base Bid Schedule A;
6. Current (2018) DCA personnel rates (loaded).

We look forward to negotiations.

Sincerely,

*//Signed*

**JOHN P. DUENAS, P.E.**

President

Enclosures



# Exhibit C (3 of 9)

Consolidated Fee Estimate

## EXHIBIT A - BASE BID SCHEDULE A DCA EXPENSES

DUENAS, CAMACHO & ASSOCIATES, INC MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE				CONSTRUCTION REHABILITATION AND	
CM Inspection Related Expenses		Unit	Quan	Rate	Cost
1	Miscellaneous Expenses	LS			\$ 500.00
2	Mileage (Inspection)	mi	3200	\$ 0.33	\$ 1,161.60
3	Mileage (miscellaneous)	mi	2800	\$ 0.33	\$ 1,016.40
4	Pictures, video, etc.	LS			\$ 250.00
5	Reproduction	LS			\$ 3,500.00
6	Communications, etc.	LS			\$ 500.00
7	Miscellaneous Survey Materials	LS			\$ 250.00
		GRT	5.25%		\$ 376.85
				<b>DCA EXPENSES</b>	<b>\$ 7,554.85</b>

## CH2M EXPENSES

CH2M MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE REPLACEMENT, GWA PROJECT NO. S15-002-EPA				CONSTRUCTION REHABILITATION AND	
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		3	\$ 3,000.00	\$ 9,000.00
2	Lodging (28 days total)	Days	28	\$ 215.00	\$ 6,622.00
3	Meals	Days	28	\$ 75.00	\$ 2,310.00
4	Rental Car	Days	28	\$ 50.00	\$ 1,540.00
5	Misc. Expenses	Trip	3	\$ 100.00	\$ 330.00
	Subtotal				\$ 19,802.00
				<b>CH2M EXPENSES</b>	<b>\$ 19,802.00</b>

# Exhibit C (4 of 9)

GWA WATERWORKS AUTHORITY CONSTRUCTION MANAGEMENT SERVICES FOR A SAN ANTONIO WASTEWATER ROUTE 3 SEWERLINE REHABILITATION AND REPLACEMENT, GWA PROJECT NO. 515-002-0PA																						
Dueson, Camacho & Associates, Inc. (DCA)													CH2M				Geo-Engineering & Testing (CM Support)					
SCHEDULE A - BASE BID: CIPP																						
Task No.	Task Description	Principal in Charge	Construction Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (Supplementary)	Chief Engineer (CM Support)	Staff Engineer (CM Support)	Engineering Technician (CM Support)	Chief Environmental Scientist	Chief Surveyor	Administrative Assistant (CM Support)	TOTALS	CH2M Project Manager (CM Support)	CH2M Project Engineer (CIPP QC Specialist)	CH2M Administrative Manager (CM Support)	TOTALS	Principal Geotechnical Engineer	Staff Engineer	Administrative Assistant	TOTAL	
	Linked 2016 DCA Labor Rates ->>>>	PM	CM	PCM	PCI	CI	CE	SE	ET	CES	JMNC	RLS	ADM									
	Unit	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	CM SERVICES-TOTALS	90	283	1399	2571	797	318	156	100	78	144	68	403	36	377	38	588,548.25	22	0	0	0	3,740.80
CONSTRUCTION MANAGEMENT SERVICES																						
A.	General Construction Management Tasks	90	283	1399	2571	797	318	156	100	78	144	68	403	36	377	38	588,548.25	22	0	0	0	3,740.80
1	Project Controls	0	257	0	0	0	4	0	0	4	0	4	125	568,329.00	12	17	12	528,185.12	0	0	0	\$
2	Project Correspondence	0	0	125	0	0	0	0	0	0	0	0	0	\$14,276.97	0	0	0	\$0.00				\$0.00
3	Daily Construction Log	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
4	Weekly Status Report	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
5	Material Testing Forms	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
6	Photology	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
7	Review & Processing of Payment Requests	15	0	0	0	0	0	0	0	0	0	0	15	\$7,740.95	1.5	0	1.5	\$1,523.14				\$0.00
8	Conduct Project Meetings	0	0	60	0	0	0	0	0	0	0	0	0	\$7,217.00	0	0	0	\$0.00				\$0.00
9	Pre-construction Conference	0	4	4	0	0	0	0	0	0	0	0	1	\$1,157.34	0	0	0	\$0.00				\$0.00
10	Progress Meetings	0	0	30	0	0	0	0	0	0	0	0	15	\$4,409.70	0	0	0	\$0.00				\$0.00
11	Other Meetings	0	0	10	0	0	0	0	0	0	0	0	6	\$1,445.45	1	0	0	\$2,448.75				\$0.00
12	Project Coordination	0	0	10	0	0	0	0	0	0	0	0	10	\$1,257.47	0	0	0	\$0.00				\$0.00
13	Requests for Information	0	0	30	0	0	0	0	0	0	0	0	0	\$3,331.20	1.2	1.2	1.2	\$2,838.55				\$0.00
14	General Compliance Monitoring	15	0	0	30	0	0	0	0	0	30	0	15	\$7,418.00	0	0	0	\$0.00				\$0.00
15	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
16	Labor Laws	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
17	Labor Laws	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
18	Permits	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
19	Insurance	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
20	Claims and Disputes	0	0	60	0	0	0	0	0	0	0	0	0	\$7,217.00	0	0	0	\$0.00				\$0.00
21	Records	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
22	Claims	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
23	Stop Work Orders	0	0	15	0	0	0	0	0	0	0	0	0	\$2,097.00	0	0	0	\$0.00				\$0.00
24	Schedule Monitoring	0	0	45	0	0	0	0	0	0	0	0	15	\$4,075.10	0	0	0	\$0.00				\$0.00
25	Acceptance	0	0	18	0	0	0	0	0	0	0	0	15	\$3,077.21	0.8	0.8	0.8	\$1,879.01				\$0.00
26	Interpretations and Clarifications	0	2	15	0	0	0	0	0	12	0	12	0	\$4,016.31	0	0	0	\$0.00				\$1,360.00
27	Shop Drawings/Submittals (Review and Coordination)	60	0	4	120	0	0	60	120	60	0	0	60	\$40,431.40	1	0	1	\$4,697.52				\$0.00
28	Submittals (Evaluation and Coordination)	0	4	30	0	0	0	0	0	0	0	0	0	\$3,372.40	0.4	0.4	0.4	\$919.56				\$0.00
29	Inspections & Tests	0	0	448	2571	643	32	0	0	0	0	0	64	\$292,582.49	32	32	32	7516.031	8	0	0	1380
30	Res. Serv. Inspections	0	0	356	0	0	0	0	0	0	0	0	0	\$43,829.71	0	0	0	\$0.00				\$1,360.00
31	Resident Inspections	0	0	0	2571	643	0	0	0	0	0	0	0	\$214,417.84	0	0	0	\$0.00				\$0.00
32	Special Inspections	0	0	0	0	0	32	0	0	0	0	0	0	\$4,158.72	3.2	3.2	3.2	\$7,516.03				\$0.00
33	Testing	0	0	60	0	0	0	0	0	0	0	0	60	\$10,976.40	0	0	0	\$0.00				\$0.00
F.	Change Management	4	0	0	30	0	0	16	0	0	0	0	0	\$1,152.24	0.4	0.4	0.4	\$1,879.01	2	0	0	\$40.00
1	Change Order Review	0	0	16	0	0	4	0	0	0	0	0	0	\$2,321.48	0.2	0.2	0.2	\$469.75				\$140.00
2	Design Changes	0	0	8	0	0	4	0	0	0	0	0	0	\$1,433.16	0.2	0.2	0.2	\$469.75				\$0.00
3	Design Change/Verification Request	0	0	16	0	0	4	0	0	0	0	0	0	\$2,321.48	0.2	0.2	0.2	\$469.75				\$0.00
4	Negotiations with Contractor	0	0	16	0	0	4	0	0	0	0	0	0	\$2,321.48	0	0	0	\$0.00				\$0.00
5	Change Order Documents	0	0	16	0	0	4	0	0	0	0	0	0	\$2,321.48	0.2	0.2	0.2	\$469.75				\$0.00
6	Establish Change Order Pricing Bases	0	0	8	0	0	4	0	0	0	0	0	0	\$1,433.16	0	0	0	\$0.00				\$0.00
G.	Construction Survey Services	12	0	0	12	0	0	0	0	0	144	44	0	\$30,383.64	0	0	0	\$0.00				\$0.00
H.	Disputes (Handling and Resolution)	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
I.	Contractor Completion Documents	0	0	64	0	48	14	32	36	0	0	0	0	\$17,487.78	2.2	2.2	2.2	\$5,167.27	4	0	0	\$
1	Substantial Completion	0	0	8	0	0	0	0	0	0	0	0	0	\$888.12	0.4	0.4	0.4	\$1,919.01				\$0.00
2	Project Records	0	0	8	0	0	0	8	24	0	0	0	0	\$2,881.00	0	0	0	\$0.00				\$0.00
3	Punch List Development	0	0	8	0	24	4	4	0	0	0	0	0	\$1,334.12	0.6	0.6	0.6	\$1,879.01				\$0.00
4	Closing Inspections	0	0	16	0	8	4	4	0	0	0	0	0	\$2,255.34	0.4	0.4	0.4	\$1,019.10				\$0.00
5	Agency Acceptance Inspections	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
6	Pre-Final Inspection	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
7	Final Inspection	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00				\$0.00
8	Final Report	0	0	16	0	8	4	4	0	0	0	0	0	\$2,212.50	0.2	0.2	0.2	\$469.75				\$0.00
9	As-Built Drawings	0	0	8	0	8	4	16	12	0	0	0	0	\$4,115.16	0	0	0	\$0.00				\$0.00
10	Commissioning and Startups	0	4	8	0	0	0	0	0	0	0	0	0	\$1,339.32	0	0	0	\$0.00				\$0.00
J.	Training	0	4	12	0	16	4	4	4	0	0	0	0	\$4,699.44	12	12	12	\$26,143.12				\$0.00
K.	Warranties	0	4	8	0	0	0	0	0	0	0	0	0	\$1,519.32	0.4	0.4	0.4	\$1,469.21				\$0.00
N.	Score Parts	0	0	0	0	0	0	0	0	0	0	0	0	\$764.76	0	0	0	\$0.00				\$0.00



# Exhibit C (5 of 9)

Task No.	Task Description	Principal in Charge	Construction Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (Civil Engineering)	Civil Engineer (CM Support)	Steel Engineer (CM Support)	Engineering Technician (CM Support)	Chief Environmental Scientist	John Crow	Chief Surveyor	Administrative Assistant (CM Support)	TOTALS	CH2M Project Manager (CM Support)	CH2M Project Engineer (CH2M QC Spectralist)	CH2M Administrative Manager (CM Support)	TOTALS	Principal Construction Engineer	Staff Engineer	Administrative Assistant	TOTAL
	Loaded 2015 DCA Labor Rates >>>>>	No.	185.00	\$ 100.00	\$ 111.00	\$ 71.83	\$ 71.83	\$ 130.21	\$ 17.80	\$ 54.09	\$ 100.41	\$ 100.00	\$ 171.23	\$ 71.90	\$ 206.50	\$ 100.00	\$ 141.15	\$ 170.00	\$ 60.00	\$ 60.00		
	Subconsultants	Expenses	Services	Totals	Reference																	
1	CH2M	\$ 19,802.00	\$ 88,548.25	\$ 108,350.25	Exhibit A																	
2	Geotechnical Engineering & Testing, Inc. (Consultation)	\$ 3,740.00	\$ 3,740.00	\$ 3,740.00	Exhibit B																	
3	Secure Safe Solutions (Innovative Cost Management)	\$ 13	\$ 13	\$ 13	Exhibit B																	
	Subtotal - Subconsultants	\$ 19,815.00	\$ 92,288.25	\$ 112,090.25																		
	Coordination & Handling @ 2.0%	\$ 3,845.77	\$ 2,241.81	\$ 2,241.81																		
	Subtotal - Subconsultants + DCA Handling	\$ 94,134.02	\$ 114,332.06	\$ 114,332.06																		
																			COST SUMMARY			
																			DCA LABOR			
																			DCA EXPENSES			
																			Subtotal			
																			CH2M			
																			Geotechnical Engineering & Testing			
																			Secure Safe Solutions			
																			Subtotal			
																			DCA Handling			
																			GRT			
																			SUBTOTAL			
																			CH2M Time & Material Estimated			
																			\$ 673,931.34			
																			\$ 10,000.00			



## Exhibit C (6 of 9)

April 23, 2018

Website: [www.dcaguam.com](http://www.dcaguam.com)  
Email: [dca@dcaguam.com](mailto:dca@dcaguam.com)

Guam Waterworks Authority  
Engineering Division, Room 202  
Gloria B. Nelson Public Service Building  
688 Route 15, Mangilao, GU 96913

Attention: **Mr. Thomas F. Cruz, Chief Engineer, GWA / George Watson, Brown & Caldwell**

Subject: **GWA RFP-04-ENG--2017, Construction Management Services for  
Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and  
Replacement, GWA Project No. S15-002-EPA**

Re: *Revised Fee Proposal Related to Bid Schedule B*

Hafa Adai:

**Duenas, Camacho & Associates, Inc.** is pleased to submit this *revised* fee proposal for **GWA RFP-04-ENG-2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**. The revisions address the following changes:

1. Fee estimate for CM Services under Base Bid Schedule B – Cut and Cover Construction of New Sewer Lines based on the projected Construction Contract Completion Period from 450 to **650** calendar days.  
**Fee Estimate: \$870,610.41 including a \$20,000 Time & Material allowance for Material Testing**
2. 2018 (current) DCA Personnel Labor and OH Rates
3. A GRT Tax Rate of 5% (recently enacted into law)

Our revised fee estimate for construction management services for Base Bid Schedule B is supported by the attached detailed fee breakdown showing an estimate of effort and expenses for a construction period of 650 calendar days and the *deletion* of Secure Safe Solutions for video surveillance (as requested by GWA). Geo-Engineering & Testing Inc. will provide geotechnical consultation and quality assurance material testing services.

The estimate of CM effort is based on the following assumptions for Base Bid Schedule B:

1. The Scope of CM services and tasks as described in the RFP;
2. Base Bid Schedule B as described in the amended Bid Form provided to DCA;
3. Revised projected construction duration of from 450 to 650 calendar days;
4. Full-time resident inspection and supplementary inspection of 50% of the resident inspection effort;
5. Current (2018) DCA personnel rates (loaded).

We look forward to negotiations.

Sincerely,

*//Signed*

**JOHN P. DUENAS, P.E.**

President

Enclosures

# Exhibit C(7 of 9)

## EXHIBIT A - BASE BID SCHEDULE B

### DCA EXPENSES

DUENAS, CAMACHO & ASSOCIATES, INC					
CONSTRUCTION MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE					
CM Inspection Related Expenses		Unit	Quan	Rate	Cost
1	Miscellaneous Expenses	LS			\$ 500.00
2	Mileage (Inspection)	mi	4650	\$ 0.33	\$ 1,687.95
3	Mileage (miscellaneous)	mi	3150	\$ 0.33	\$ 1,143.45
4	Pictures, video, etc.	LS			\$ 250.00
5	Reproduction	LS			\$ 3,500.00
6	Communications, etc.	LS			\$ 500.00
7	Miscellaneous Survey Materials	LS			\$ 500.00
		GRT	5.25%		\$ 424.27
DCA EXPENSES					\$ 8,505.67

### CH2M EXPENSES

CH2M					
CONSTRUCTION MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT, GWA PROJECT NO. S15-002-EPA					
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		0	\$ 3,000.00	\$ -
2	Lodging (28 days total)	Days	0	\$ 215.00	\$ -
3	Meals	Days	0	\$ 75.00	\$ -
4	Rental Car	Days	0	\$ 50.00	\$ -
5	Misc. Expenses	Trip	0	\$ 100.00	\$ -
	Subtotal				\$ -
CH2M EXPENSES					\$ -

## Exhibit C (8 of 9)

Task No.	Task Description	Provided In Charge	Construction Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (MasterInspector)	Civil Engineer (CM Support)	Staff Engineer (CM Support)	Engineering Technician (CM Support)	Chief Environmental Scientist	Jalen Crowe	Derek Sawyer	Multidisciplinary Assistant (CM Support)	TOTALS	CH2M Project Manager (CM Support)	CH2M Resident Engineer (COP Specialist)	CH2M Administrative Manager (CM Support)	TOTALS	Principal Geotechnical Engineer	Staff Engineer	Administrative Assistant	TOTAL		
	Lodging 2018 DCA Labor Rates *****	PMM	DM	PCM	RCT	CI	CC	BEO	ET	CEI	JWSC	FLE	AOM		\$	\$	\$	\$		\$	\$	\$		
	No	\$	168.90	\$	171.04	\$	72.93	\$	72.93	\$	170.21	\$	71.80		\$	\$	\$	\$		\$	\$	\$		
CONSTRUCTION MANAGEMENT SERVICES																								
A:	General Construction Management Tasks		310	375	718	0	(4)	0	0	83	0	4	317	\$ 394,894.96	0	0	0	\$ -	0	0	0	\$ \$ 80.00		
1	Project Controls		130	321	0	0	0	4	0	0	4	0	188	\$98,060.81	0	0	0	\$ 0.00	0	0	0	\$ \$80.00		
2	Preconstruction Correspondence		0	0	186	0	0	0	0	0	0	0	0	\$20,621.71	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
3	Daily Construction Log		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
4	NVCRM Status Report		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
5	Material Testing Forms		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
6	Photo Log		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
7	Review & Processing of Payment Requests	22	0	0	87	0	0	0	0	0	0	0	15	\$10,701.97	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
8	Conduct Project Meetings		0	0	87	0	0	0	0	0	0	0	0	\$10,198.67	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
9	Pre-construction Cost Review		0	4	4	0	0	0	0	0	0	0	2	\$1,157.24	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
10	Progress Meeting(s)		0	0	43	0	0	0	0	0	0	0	0	\$3,599.23	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
11	Other Meetings		0	0	14	0	0	0	0	0	0	0	0	\$2,179.11	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
12	Project Coordination		0	0	14	0	0	0	0	0	0	0	30	\$3,760.91	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
13	Requests for Information		0	0	c3	0	0	0	0	0	0	0	0	\$4,811.79	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
14	General Compliance Monitoring	22	0	0	c3	0	0	0	0	41	0	0	15	\$10,250.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
a.	Regulations & Etc.		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
b.	Labor Laws		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
c.	Licensing		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
d.	Permits		0	0	0	0	0	0	0	43	0	0	0	\$4,359.77	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
e.	Insurance		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
f.	Claims and Disputes		0	0	87	0	0	0	0	0	0	0	0	\$16,198.67	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
g.	Records		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
h.	Claims		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
12	Shop Work Orders		0	0	22	0	0	0	0	0	0	0	0	\$1,837.27	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
13	Schedule Monitoring		0	0	65	0	0	0	0	0	0	0	15	\$8,296.10	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
14	Acceptance		0	0	22	0	0	0	0	0	0	0	15	\$1,570.73	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
B:	Interpretations and Clarifications		2	2	2	0	0	0	0	0	12	0	12	\$4,796.59	0	0	0	\$ 0.00	0	0	0	\$1,160.00		
C:	Shop Drawing/Submittals (Review and Coordination)	60	0	4	120	0	0	60	120	60	0	0	60	\$46,451.80	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
D:	Substitutes (Evaluation and Coordination)		0	4	43	0	0	0	0	0	0	0	0	\$1,615.83	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
E:	Inspections & Tests		0	0	517	2314	1857	32	0	0	0	0	0	\$61,924.38	0	0	0	\$ 0.00	0	24	0	\$ 4,000.00		
a.	Resident Inspections		0	0	0	0	0	0	0	0	0	0	0	\$61,865.10	0	0	0	\$ 0.00	0	24	0	\$ 4,000.00		
b.	Resident Inspector		0	0	0	3714	1857	0	0	0	0	0	0	\$406,324.21	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
c.	Special Inspections		0	0	0	0	0	32	0	0	0	0	0	\$4,354.73	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
d.	Testing		0	0	60	0	0	0	0	0	0	0	0	\$15,976.40	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
F:	Change Management	4	0	0	80	0	0	24	0	0	0	0	0	\$ 12,352.24	0	0	0	\$ 0.00	0	0	0	\$ 1,360.00		
1	Change Order Review		0	0	16	0	0	0	0	0	0	0	0	\$2,321.41	0	0	0	\$ 0.00	0	8	0	\$ 1,360.00		
2	Design Change		0	0	8	0	0	0	0	0	0	0	0	\$1,433.11	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
3	Design Change/Resolution Request		0	0	16	0	0	0	0	0	0	0	0	\$2,321.41	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
4	Negotiation with Contractor		0	0	16	0	0	0	0	0	0	0	0	\$1,324.44	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
5	Change Order Documents		0	0	16	0	0	4	0	0	0	0	0	\$2,321.41	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
6	Establish Change Order Pricing Bases		0	0	8	0	0	0	0	0	0	0	0	\$1,433.11	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
G:	Construction Survey Services	30	0	0	30	0	0	0	0	0	360	745	0	\$68,572.83	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
H:	Disputes (Handling and Resolution)		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
I:	Contractor Completion Documents		0	0	64	24	24	32	36	0	0	0	0	\$ 37,469.26	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
1	Substantial Completion		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
2	Project Records		0	0	8	0	0	0	0	0	24	0	0	\$3,981.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
3	Punch List Developments		0	0	8	0	24	4	0	0	0	0	0	\$3,534.13	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
4	Closing Inspections		0	0	16	0	8	4	0	0	0	0	0	\$1,255.56	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
a.	Agency Acceptance Inspections		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
b.	Pre-Final Inspection		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
c.	Final Inspection		0	0	0	0	0	0	0	0	0	0	0	\$ 0.00	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
5	Final Report		0	0	16	0	8	7	0	0	0	0	0	\$2,632.90	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
6	Record Drawings		0	0	8	0	8	4	16	12	0	0	0	\$4,115.16	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
J:	Commissioning and Startup		0	4	8	0	0	0	0	0	0	0	0	\$1,529.37	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
K:	Training		0	4	12	0	16	4	4	4	0	0	0	\$4,699.44	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
L:	Warranties		0	4	8	0	0	0	0	0	0	0	0	\$1,529.37	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
M:	Spare Parts		0	2	8	0	0	0	0	0	0	0	0	\$764.76	0	0	0	\$ 0.00	0	0	0	\$ 0.00		
Subsidiaries		Grpsum	Service	Total	Reference	ADDITIONAL TIME & MATERIAL COSTS																		
1	CH2M	\$	-	\$	-	Exhibit A																		
2	Geot Engineering & Testing, Inc. (Consultation)	\$	8,500.00	\$	8,500.00	Item No.	Category of Cost	Estimated Cost																
							DCA LABOR																	
							\$ 832,979.66																	

## Exhibit C (9 of 9)

[illegible]





November 6, 2020

Miguel C. Bordallo, P.E.  
General Manager, Guam Waterworks Authority  
Gloria B. Nelson Public Service Building  
688 Route 15  
Mangilao, Guam, 96913

Attn: John Riegel P.E., Brown & Caldwell Project Manager

Subject: **RFP 04-ENG-2017, GWA S15-002-EPA, Asan-Adelup-Hagatna – Route 1 Sewer Rehabilitation and Replacement**

Ref: **Change Order for Construction Management Services for the Asan-Adelup-Hagatna – Route 1 Sewer Rehabilitation and Replacement – Phase II**

Hafa Adai Mr. Riegel,

At the request of GWA, Duenas, Camacho and Associates (DCA) is submitting this change order proposal for the referenced services. This change order is intended to provide services for Phase II of the subject project in accordance with DCA's construction management services contract with GWA dated July 31, 2018. The construction duration used for this proposal is 425 calendar days. The fee for this change order proposal is: **\$571,550.**

Sincerely,

Kenneth M. Rekdahl, P.E.  
Vice-President  
Dueñas, Camacho & Associates, Inc.

Att:  
Fee Breakdown

<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>Task Description</div></div>																																Principal	Project Manager	Civil Engineer	Structural Engineer	Project Engineer	Environmental Engineer	Staff Engineer/Designer	Spec Writer	Cost Estimator	Engineering Tech	CAD Tech	Sr CAD Tech	Planner	GIS Specialist	Chief Environmental Scientist	Environmental Scientist	Construction Manager	Project Construction Engi	Inspector	Chief Surveyor	2-Man Crew	3-Man Crew	4-Man Crew	Surveyor	Assistant Chief Surveyor	Crew Chief	Computer	Cartographer	Instrument Man	Survey Tech	Survey Researcher	Survey Aide	Administrative Assistant	Secretary	Total
Direct Labor Rates >>>>>			No. of Dwgs	\$ 183.00	\$ 149.00	\$ 136.00	\$ 172.00	\$ 126.00	\$ 115.00	\$ 89.00	\$ 134.00	\$ 127.00	\$ 57.00	\$ 48.00	\$ 59.00	\$ 109.00	\$ 82.00	\$ 101.00	\$ 89.00	\$ 160.00	\$ 112.00	\$ 74.00	\$ 114.00	\$ 123.00	\$ 161.00	\$ 195.00	\$ 115.00	\$ 88.00	\$ 61.00	\$ 75.00	\$ 67.00	\$ 54.00	\$ 58.00	\$ 53.00	\$ 34.00	\$ 72.00	\$ 67.00																													
Total Sheet Count and Effort >>>>			0	0	60	0	0	740	0	80	0	0	0	0	0	0	0	340	0	436	672	3046	0	0	64	0	0	8	0	0	0	0	0	0	0	0	0	\$ 527,636.00																												
A.	Pre Construction Services		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	48	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ 13,352.00																													
1	CM Plan																	24	24																		\$ 6,528.00																													
2	QA Plan																	16	16																		\$ 4,352.00																													
3	Bidding Support																																					\$ -																												
4	Document Review																	8	8	4																	\$ 2,472.00																													
5																																						\$ -																												
6																																						\$ -																												
B.	Construction Phase Services		0	8	0	0	740	0	80	0	0	0	0	0	0	0	340	0	388	624	3042	0	0	64	0	0	8	0	0	0	0	0	0	0	0	0	0	\$ 503,976.00																												
	Project records and Document Control (Procure), Weekly		60						30																													\$ 3,266.00																												
1	Daily Construction Reports, week		55	4														27.5	55																		\$ 11,156.00																													
2	Progress Photo Logs, week		60																60																		\$ 6,720.00																													
3	Submittal, ea		15															7.5	30																		\$ 4,560.00																													
4	Shop Drawing review, day		15				60												15																		\$ 9,240.00																													
5	Project Schedule (month)		18															9	36																		\$ 5,472.00																													
6	Payment Request, ea (month)		14															14	84																		\$ 11,648.00																													
7	Payroll Review, ea		14																28																		\$ 3,136.00																													
8	Project meetings, week		60															90	120	30																	\$ 30,060.00																													
9	As built control, week		50						50																													\$ 4,450.00																												
10	RFIs, ea		20															20	80																		\$ 12,160.00																													
11	mpliance monitoring, week 80% of duration		340				680									340																					\$ 120,020.00																													
12	Claims and disputes																	40	80																		\$ 15,360.00																													
13	Change order negotiation and review																	60																			\$ 9,600.00																													
14	DCVR																	24																			\$ 3,840.00																													
15	ion monitoring (days), 80% of duration X1.1		340																	2992																	\$ 221,408.00																													
16	Testing QA																	24																			\$ 3,840.00																													
17	Acceptance																	40																			\$ 6,400.00																													
18	Construction Survey services, daily saite visit		8															8				64			8												\$ 12,288.00																													
19	Project Closeout																	24	20	20																	\$ 7,560.00																													
20	Training and Warranty																		16																		\$ 1,792.00																													
21																																						\$ -																												
22																																						\$ -																												
23																																						\$ -																												
C	Post Construction Services		0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ 10,308.00																													
1	Final Report				24																																	\$ 3,576.00																												
2	Record Drawings				12																																	\$ 1,788.00																												
3	Closeout Meetings				16													16																			\$ 4,944.00																													
4																																						\$ -																												
5																																						\$ -																												
6																																						\$ -																												
7																																						\$ -																												
8																																						\$ -																												
9																																						Direct Labor	\$ 527,636.00																											
Subconsultants			DL	Fee		DCA Expenses				Unit	Quan	Rate		Cost																COST SUMMARY																																				
S.1	Conc/GEO Testing			\$	-	1	Procure Based on \$6.0M Construction cost				1	1	\$ -		\$ 14,904.00															1	LABOR						\$ 527,636.00																													
S.2	TRMA					2	Mileage				1	10	\$ 50.00		\$ 500.00															2	OVERHEAD @		Included																																	
S.3	CH2			\$	-	3					1	0			\$ -																																																			
S.4	EMCE (ESTIMATE)			\$	-	4					1	0			\$ -															3	SUBCONSULTANTS		Subtotal, Subconsultants+DCA Handling				\$ -																													
S.5						5					1	0			\$ -															4	Subtotal		Row 1 + Row 3				\$ 527,636.00																													
S.6						6					1	0			\$ -															5	PROFIT		Included																																	
S.7						7					1	0			\$ -																																																			
	Subtotal - Subconsultants		\$ -	\$	-	8					1	0			\$ -															6	EXPENSES		Expenses				\$ 15,404.00																													
	Coordination & Handling @ 5%		5%	\$	-	9					1	0			\$ -															7	Subtotal		Row 4 + Row 6				\$ 543,040.00																													
	Subtotal - Subconsultants + DCA Handling			\$	-	10																								8	GRT		@	5.25%					\$ 28,509.60																											
							Subtotal - Expenses								\$ 15,404.00																			Total				\$ 571,549.60																												
																																Say	\$ 571,550																																	



# Duenas, Camacho and Assocait

## Option 1

Year 1

ACV: 4.2 million

Name	Price
Project Management Pro	\$7,925
Quality & Safety	\$2,510
Total	\$10,435

Total Price: \$10,435

$$\begin{aligned} & \$10,435 / 4.2 = \\ & \$2,484 \text{ per } \$1\text{M} \\ & \$2,484 \times 6\text{M} = \\ & \$14,904 \end{aligned}$$

## Option 2

Year 1

ACV: 4.2 million

FYI, this amount was if the contract was executed earlier this year

Name	Price
Project Management Pro	\$6,700
Quality & Safety	\$2,250
Total	\$8,950

Total Price: \$8,950



# Procore Products

Connect the entire business process from bidding to closeout with every member of your team working together in the same system.

## TOOLS INCLUDED WITH ALL PRODUCTS\*

### DIRECTORY

Everyone's digits, under the control of yours.

### TASKS

Track and manage every coordination-related step in your process.

### DOCUMENTS

When documents go digital, nothing gets lost.

### REPORTS

Insights to help you analyze every detail.

### APP MARKETPLACE

With over 150 partner solutions in our App Marketplace, connect with what works best for you—even if we don't build it.

\* Excluding Invoice Management, Design Coordination and BIM.

## PROJECT MANAGEMENT

### Project Management Pro

#### RFIs

RFI software to remind, record, and remove excuses.

#### DAILY LOG

Capture everything you need to report to the office.

#### DRAWINGS

Revisions won't need markers, scissors, sticky notes, or tape.

#### TIMECARD

Fast time tracking for the project management team.

#### SUBMITTALS

Don't let inaccuracy sink your projects.

#### MEETINGS

Manage all aspects of your project meetings.

#### PUNCH LIST

Streamline construction with punch list software.

#### PHOTOS

Capture your questions, skills, and results in a snap.

#### SPECIFICATIONS

Intelligent Spec Management—save time while doing more.

#### SCHEDULE

Minimize confusion with integrated scheduling.

#### EMAILS

Open your inbox to everything you need to know.

#### TRANSMITTALS

Don't lose sleep over your important documents.

\*Project Management Starter is also available - includes RFIs, Daily Log, Drawings, Punch List, Photos and Specifications.



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## PROJECT MANAGEMENT

### Quality & Safety

#### INSPECTIONS

Proactively identify hazards before they injure more than your reputation.

#### OBSERVATIONS

Track, assign, and report upon multiple types of observations and corrective actions on the fly.

#### INCIDENTS

Digitally capture and manage incidents easily and accurately.

#### DAILY LOG

Capture everything you need to report to the office.

#### FORMS

Simple to complex fillable PDF forms at your fingertips.

#### SCHEDULE

Minimize confusion with integrated scheduling.

#### PHOTOS

Capture your questions, skills, and results in a snap.

### Design Coordination

#### COORDINATION ISSUES

Identify and resolve constructability issues prior to construction.

### BIM

#### MODELS

Extremely performant BIM viewer.

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## FINANCIAL MANAGEMENT\*

### Project Financials

#### COMMITMENTS

Real-time statuses and values of all contracts and purchase orders.

#### CHANGE EVENTS

The new standard in construction for managing potential costs as they occur.

#### BUDGETS

Avoid profit erosion with accurate, configurable budgets.

#### CHANGE ORDERS

Reduce unrecoverable change orders with quicker approvals.

#### PRIME CONTRACT

Replace stacks of paper and printing costs with digital contract management.

#### COST MANAGEMENT

Avoid the price of being over budget with cost management.

### Invoice Management

#### OWNER INVOICING

Prefill owner invoices with approved subcontractor invoices.

\*Accounting Integrations available - additional fees apply.

#### SUBCONTRACTOR INVOICING

Empower the trades to be proactive about monthly invoices.



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## — PRECONSTRUCTION —

### **Prequalification**

#### **PREQUALIFICATIONS**

Manage the entire qualification process from forms to approvals.

#### **PREQUALIFICATION PORTAL**

Complete and submit qualification forms on a secure online platform.

### **Bid Management**

#### **BIDDING**

Manage the entire bidding process from bid package creation to bid award.

#### **PLANROOM**

Access bid package details, files, and communications in order to submit a bid.

---

## — RESOURCE MANAGEMENT —

### **Field Productivity**

#### **TIMESHEETS**

Track employee and crew time for all projects on mobile or web.

#### **T&M TICKETS**

Document and track out-of-scope work to get paid for everything you do.

#### **CREWS**

Add, group, and edit crews—with one mobile, flexible tool.

#### **TIMECARD**

Fast time tracking for the project management team.

#### **PRODUCTION TRACKING**

Compare budgeted versus actual quantities to see percentage complete against each cost code.

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## — PLATFORM —

### **Analytics**

#### **PROCORE ANALYTICS**

Leverage Analytics to turn project data into business insight.

#### **DATA EXTRACT**

Extract and combine data from Procore and across your tech stack.



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