



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 //

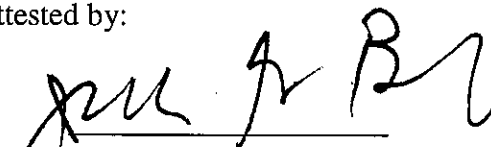
26 **DULY AND REGULARLY ADOPTED**, this 22nd day of May 2018.

27
28
29 Certified by:

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: 0
ABSTENTIONS: 0
ABSENT: 1



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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. Bensan 
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.

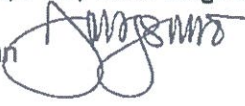
Exhibit A (2 of 2)



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. Bensan 
SUBJECT: CM Selection
DATE: May 18, 2017

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



Exhibit C (1 of 9)

Website: www.dcaguam.com
Email: dca@dcaguam.com

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
				DCA EXPENSES	\$ 7,554.85

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
				CH2M EXPENSES	\$ 19,802.00

Exhibit C (4 of 9)

Task Description		Duenas, Camacho & Associates, Inc. (DCA)														CH2M			Geo-Engineering & Testing (CM Support)				
		PRIN	CM	PCM	RCI	CI	CE	SED	ET	CEB	JMBC	JMBC	RLS	ADM	TOTALS	CH2M Project Manager (CM Support)	CH2M Project Engineer (CIPP OC Specialist)	CH2M Administrative Manager (CM Support)	TOTALS	Principal Geotechnical Engineer	Staff Engineer	Administrative Assistant	TOTAL
Loaded 2010 DCA Labor Rates ->>>>		1	180.00	180.00	111.04	73.81	73.81	130.21	87.06	89.00	100.81	180.00	121.32	74.00		308.50	180.00	141.18		170.00	80.00	80.00	
CM SERVICES - TOTALS		90	285	1299	2571	707	138	156	100	76	144	48	403	546,042.01	38	377	38	548,548.25	22	0	0	0	3,740.00
CONSTRUCTION MANAGEMENT SERVICES		90	261	501	0	0	4	0	64	0	4	261	140,358.74	16.5	265	16.5	538,754.54	0	0	0	0	0	
1	Project Controls	80	257	0	0	0	4	0	0	4	4	129	568,929.09	12	170	12	528,185.12	0	0	0	0	0	
2	Project Correspondence	0	0	129	0	0	0	0	0	0	0	0	14,276.57	0	0	0	50.00	0	0	0	0	0	
a.	Daily Construction Log	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0	
b.	Weekly Status Report	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0	
c.	Material Testing Forms	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0	
d.	Photo Log	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0	
3	Review & Processing of Payment Requests	15	0	60	0	0	0	0	0	0	0	0	15	7,740.50	1.5	1.5	1.5	2,523.14	0	0	0	0	0
4	Conduct Project Meetings	0	0	60	0	0	0	0	0	0	0	0	0	27,217.00	0	0	0	50.00	0	0	0	0	0
5	Pre-construction Conference	0	4	4	0	0	0	0	0	0	0	0	1	51,197.24	0	0	0	50.00	0	0	0	0	0
6	Progress Meeting	0	0	30	0	0	0	0	0	0	0	0	15	54,409.70	0	0	0	50.00	0	0	0	0	0
7	Other Meetings	0	0	10	0	0	0	0	0	0	0	0	0	31,685.00	1	10	1	2,348.76	0	0	0	0	0
8	Project Coordination	0	0	10	0	0	0	0	0	0	0	0	0	53,297.40	0	0	0	50.00	0	0	0	0	0
9	Requests for Information	0	0	30	0	0	0	0	0	0	0	0	0	33,331.20	1.2	1.2	1.2	2,818.51	0	0	0	0	0
10	General Compliance Monitoring	15	0	30	0	0	0	0	0	0	0	0	15	57,428.00	0	0	0	50.00	0	0	0	0	0
a.	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0
b.	Labor Laws	0	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0
c.	Litigation	0	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0
d.	Permits	0	0	0	0	0	0	0	0	0	0	0	0	53,013.30	0	0	0	50.00	0	0	0	0	0
e.	Insurance	0	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0
11	Claims and Disputes	0	0	60	0	0	0	0	0	0	0	0	0	7,237.00	0	0	0	50.00	0	0	0	0	0
a.	Records	0	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0
b.	Claims	0	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	0
12	Stop Work Orders	0	0	10	0	0	0	0	0	0	0	0	0	53,097.50	0	0	0	50.00	0	0	0	0	0
13	Schedule Monitoring	0	0	45	0	0	0	0	0	0	0	0	0	16,075.10	0	0	0	50.00	0	0	0	0	0
14	Acceptance	0	0	18	0	0	0	0	0	0	0	0	0	33,077.22	0.8	0.8	0.8	51,879.01	0	0	0	0	0
B. Interpretations and Clarifications		0	2	15	0	0	0	0	12	0	0	12	54,056.31	0	0	0	54,056.31	0	0	0	0	0	
C. Shop Drawings/Submittals (Review and Coordination)		60	4	120	0	0	60	120	60	0	0	60	140,481.80	2	10	2	54,697.52	0	0	0	0	0	
D. Substitutes (Evaluation and Coordination)		0	4	30	0	0	0	0	0	0	0	0	33,872.40	0.4	0.4	0.4	593.50	0	0	0	0	0	
E. Inspections & Tests		0	0	446	2571	643	32	0	0	0	0	60	292,582.69	3.2	32	3.2	7516.032	8	0	0	0	1360	
1	Resident Inspections	0	0	386	0	0	0	0	0	0	0	0	542,829.71	0	0	0	50.00	8	0	0	0	13,360.00	
a.	Resident Inspector	0	0	0	2571	643	0	0	0	0	0	0	224,817.86	0	0	0	50.00	0	0	0	0	50.00	
b.	Special Inspections	0	0	0	0	0	32	0	0	0	0	0	34,358.72	3.2	3.2	3.2	57,516.03	0	0	0	0	50.00	
2	Testing	0	0	60	0	0	0	0	0	0	0	0	60	510,976.40	0	0	0	50.00	0	0	0	0	
F. Change Management		4	0	80	0	0	24	0	0	0	0	0	12,152.24	0.8	8	0.8	1,879.01	2	0	0	0	340.00	
1	Change Order Review	0	0	16	0	0	4	0	0	0	0	0	23,321.48	0.2	2	0.2	469.75	2	0	0	0	5140.00	
2	Design Change	0	0	0	0	0	4	0	0	0	0	0	14,331.10	0.2	2	0.2	469.75	0	0	0	0	50.00	
3	Design Change/Verification Request	0	0	16	0	0	4	0	0	0	0	0	23,321.48	0.2	2	0.2	469.75	0	0	0	0	50.00	
4	Negotiation with Contractor	0	0	16	0	0	4	0	0	0	0	0	23,321.48	0.2	2	0.2	469.75	0	0	0	0	50.00	
5	Change Order Documents	0	0	16	0	0	4	0	0	0	0	0	23,321.48	0.2	2	0.2	469.75	0	0	0	0	50.00	
6	Establish Change Order Pricing Basis	0	0	0	0	0	4	0	0	0	0	0	14,331.10	0.2	2	0.2	469.75	0	0	0	0	50.00	
G. Construction Survey Services		12	0	12	0	0	0	0	0	0	144	44	330,583.64	0	0	0	50.00	0	0	0	0	0	
H. Disputes (Handling and Resolution)		0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	4	0	0	0	1680.00	
I. Contractor Completion Documents		0	0	64	0	48	14	32	36	0	0	0	17,807.28	2.2	22	2.2	5,167.27	0	0	0	0	0	
1	Substantial Completion	0	0	8	0	0	0	0	0	0	0	0	588.12	0.8	8	0.8	1,879.01	0	0	0	0	50.00	
2	Project Records	0	0	8	0	0	0	8	24	0	0	0	2,981.60	0	0	0	50.00	0	0	0	0	50.00	
3	Punch List Development	0	0	8	0	24	4	4	4	0	0	0	3,534.12	0.8	8	0.8	1,879.01	0	0	0	0	50.00	
4	Closing Inspections	0	0	16	0	8	4	4	4	0	0	0	3,255.55	0.4	4	0.4	939.50	0	0	0	0	50.00	
a.	Agency Acceptance Inspections	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	50.00	
b.	Pre-Final Inspection	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	50.00	
c.	Final Inspection	0	0	0	0	0	0	0	0	0	0	0	50.00	0	0	0	50.00	0	0	0	0	50.00	
5	Final Report	0	0	16	0	8	2	0	0	0	0	0	2,812.50	0.2	2	0.2	469.75	0	0	0	0	50.00	
6	Record Drawings	0	0	8	0	8	4	16	12	0	0	0	34,135.14	0	0	0	50.00	0	0	0	0	50.00	
J. Commissioning and Startup		0	4	8	0	0	0	0	0	0	0	0	15,529.52	0	0	0	50.00	0	0	0	0	0	
K. Training		0	4	12	0	16	4	4	4	0	0	0	14,699.44	1.2	12	1.2	2,818.51	0	0	0	0	0	
L. Warranties		0	4																				



Exhibit C (6 of 9)

Website: www.dcaguam.com
Email: dca@dcaguam.com

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 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	Principal in Charge	Construction Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (Supplementary)	Civil Engineer (CM Support)	Staff Engineer (CM Support)	Engineering Technician (CM Support)	Chief Environmental Scientist	3-Man Crew	Chief Surveyor	Administrative Assistant (CM Support)	TOTALS	CH2M Project Manager (CM Support)	CH2M Project Engineer (CPE/CC Specialist)	CH2M Administrative Manager (CM Support)	TOTALS	Principal Geotechnical Engineer	Staff Engineer	Administrative Assistant	TOTAL																			
																							PRIN	CM	PCM	RCI	D	CE	SED	ET	GES	JMC	RLS	ADM	CH2M PM	CH2M PE	CH2M AM	CH2M PE	CH2M SE	CH2M AA	
Labeled 2018 DCA Labor Rates ->>>>																						No.	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
CONSTRUCTION MANAGEMENT SERVICES																																									
A. General Construction Management Tasks																																									
1	Project Controls		130	371	718	0	0	4	0	0	0	91	0	4	322	\$	196,894.98	0	0	0	\$	680.00																			
2	Project Correspondence		130	371	0	0	0	4	0	0	0	4	0	184	\$	598,060.85	0	0	0	\$	5680.00																				
a.	Daily Construction Log		0	0	186	0	0	0	0	0	0	0	0	0	\$	520,621.71	0	0	0	\$	50.00																				
b.	Weekly Status Report		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
c.	Material Testing Forms		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
d.	Photo Log		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
3	Review & Processing of Payment Requests		22	0	87	0	0	0	0	0	0	0	0	13	\$	510,701.97	0	0	0	\$	50.00																				
4	Construct Project Meetings		0	0	87	0	0	0	0	0	0	0	0	0	\$	510,198.87	0	0	0	\$	50.00																				
5	Pre-construction Conference		0	4	4	0	0	0	0	0	0	0	0	0	\$	51,157.26	0	0	0	\$	50.00																				
6	Progress Meetings		0	0	43	0	0	0	0	0	0	0	0	13	\$	55,890.23	0	0	0	\$	50.00																				
7	Other Meetings		0	0	14	0	0	0	0	0	0	0	0	0	\$	52,179.11	0	0	0	\$	50.00																				
8	Project Coordination		0	0	14	0	0	0	0	0	0	0	0	30	\$	51,760.91	0	0	0	\$	50.00																				
9	Requests for Information		0	0	43	0	0	0	0	0	0	0	0	0	\$	54,811.73	0	0	0	\$	50.00																				
10	General Compliance Monitoring		22	0	43	0	0	0	0	0	0	43	0	13	\$	510,230.00	0	0	0	\$	50.00																				
a.	Regulations & Laws		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
b.	Labor Laws		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
c.	Licensing		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
d.	Permits		0	0	0	0	0	0	0	0	0	0	0	0	\$	54,359.77	0	0	0	\$	50.00																				
e.	Insurance		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
11	Claims and Disputes		0	0	87	0	0	0	0	0	0	0	0	8	\$	510,198.67	0	0	0	\$	50.00																				
a.	Records		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
b.	Claims		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
12	Step Work Orders		0	0	22	0	0	0	0	0	0	0	0	0	\$	52,837.27	0	0	0	\$	50.00																				
13	Schedule Monitoring		0	0	65	0	0	0	0	0	0	0	0	13	\$	58,285.18	0	0	0	\$	50.00																				
14	Acceptance		0	0	22	0	0	0	0	0	0	0	0	13	\$	53,570.73	0	0	0	\$	50.00																				
B. Interpretations and Clarifications																																									
C. Shop Drawings/Submittals (Review and Coordination)																																									
D. Substitutes (Evaluation and Coordination)																																									
E. Inspections & Tests																																									
1	Resident Inspections		0	0	617	3714	1857	32	0	0	0	0	0	60	\$	483,524.55	0	0	0	\$	4860																				
a.	Special Inspections		0	0	0	3714	1857	0	0	0	0	0	0	0	\$	4406,324.29	0	0	0	\$	54,080.00																				
b.	Testing		0	0	0	0	0	32	0	0	0	0	0	0	\$	54,358.72	0	0	0	\$	50.00																				
F. Change Management																																									
1	Change Order Review		4	0	30	0	0	24	0	0	0	0	0	0	\$	323,976.40	0	0	0	\$	1,340.00																				
2	Design Change		0	0	16	0	0	4	0	0	0	0	0	0	\$	52,321.48	0	0	0	\$	50.00																				
3	Design Change/Verification Request		0	0	8	0	0	4	0	0	0	0	0	0	\$	51,433.16	0	0	0	\$	50.00																				
4	Negotiation with Contractor		0	0	16	0	0	4	0	0	0	0	0	0	\$	52,321.48	0	0	0	\$	50.00																				
5	Change Order Documents		0	0	16	0	0	4	0	0	0	0	0	0	\$	52,321.48	0	0	0	\$	50.00																				
6	Establish Change Order Pricing Bases		0	0	8	0	0	4	0	0	0	0	0	0	\$	51,433.16	0	0	0	\$	50.00																				
G. Construction Survey Services																																									
H. Disputes (Handling and Resolution)																																									
I. Contractor Completion Documents																																									
1	Substantial Completion		0	0	64	0	48	14	32	36	0	0	0	0	\$	17,407.26	0	0	0	\$	0																				
2	Project Records		0	0	8	0	0	0	0	0	0	0	0	0	\$	52,861.64	0	0	0	\$	50.00																				
3	Punch List Development		0	0	8	0	24	4	4	0	0	0	0	0	\$	53,934.12	0	0	0	\$	50.00																				
4	Closing Inspections		0	0	16	0	8	4	4	0	0	0	0	0	\$	53,255.56	0	0	0	\$	50.00																				
a.	Agency Acceptance Inspections		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
b.	Pre-Final Inspection		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
c.	Final Inspection		0	0	0	0	0	0	0	0	0	0	0	0	\$	50.00	0	0	0	\$	50.00																				
5	Final Report		0	0	16	0	8	2	0	0	0	0	0	0	\$	52,632.50	0	0	0	\$	50.00																				
6	Record Drawings		0	0	8	0	8	4	16	12	0	0	0	0	\$	54,115.16	0	0	0	\$	50.00																				
J. Commissioning and Startup																																									
1	Training		0	4	8	0	0	0	0	0	0	0	0	0	\$	51,529.52	0	0	0	\$	48.00																				
K. Warranties																																									
1	Warranties		0	4	8	0	0	0	0	0	0	0	0	0	\$	51,529.52	0	0	0	\$	48.00																				
L. Spare Parts																																									
1	Spare Parts		0	2	4	0	0	0	0	0	0	0	0	0	\$	5764.74	0	0	0	\$	48.00																				
Subcontractors																																									
Expenses																																									
1	CH2M		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$																				
2	Geotechnical Engineering & Testing, Inc. (Consultant)		\$	-	\$	8,500.00	\$	-	\$	8,500.00	\$	-	\$	-	\$	-	\$	-	\$	-	\$																				
ADDITIONAL TIME & MATERIAL COSTS															COST SUMMARY																										
Item No.															Category of Cost																										
Estimated Cost															DCA LABOR																										
															\$ 832,979.66																										

