



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

GWA RESOLUTION NO. 06-FY2023

RELATIVE TO AN INCREASE IN FUNDING AND SCOPE OF WORK FOR THE TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE REPLACEMENT PROJECT; GWA PROJECT NO. M19-001-BND

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 intends to continue the waterline replacement program as part of GWA’s efforts to reduce non-revenue water and make improvements to the system where service delivery should be improved; and

WHEREAS, GWA issued an Invitation for Bid (IFB-02-ENG2021) soliciting bid proposals from experienced, responsible, and responsive bidders to construct the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement project to upgrade and replace existing old and leaking waterlines of various diameters, lengths, and locations to reduce water loss in the water distribution system; and

WHEREAS, Resolution 19-FY2021 (See Exhibit A) and PUC Docket 21-03 (Exhibit B) approved GWA management to enter into contract with Giant Construction Corporation to construct the Base, Additive No. 1 and Additive No. 2 items in the amount of One Million Nine Hundred Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00), along with a ten percent (10%) contingency of One Hundred Ninety-Four Thousand Five Hundred Seventy-Two Dollars (\$194,572.00) to bring the total authorized funding amount to Two Million One Hundred Forty Thousand Two Hundred Ninety-Two Dollars (\$2,140,292.00); and

1 **WHEREAS**, Change Order No. 1 in the amount of Sixteen Thousand Three Hundred
2 Eighteen Dollars (\$16,318.00) was issued to include archaeological services required by the
3 State Historic Preservation Officer (SHPO), Department of Parks and Recreation; and
4

5 **WHEREAS**, Resolution 03-FY2022 (see Exhibit C) approved GWA to execute
6 Change Order No. 2 in the amount of Five Hundred Fifty-Eight Thousand One Hundred
7 Thirty-Five Dollars (\$558,135.00) to include the replacement of additional 1,052 LF of new
8 waterline for Taison Rd., and increased the total authorized amount to Two Million Five
9 Hundred Twenty Thousand One Hundred Seventy-Three Dollars (\$2,520,173.00); and
10

11 **WHEREAS**, PUC Docket 22-04 (see Exhibit D) approved a 20% contingency to
12 Change Order No. 2 in the amount of One Hundred Eleven Thousand Six Hundred Twenty-
13 Seven Dollar (\$111,627.00), to bring the total authorized amount to Two Million Six Hundred
14 Thirty-One Thousand Eight Hundred Dollars (\$2,631,800.00); and
15

16 **WHEREAS**, GWA issued Change Order No. 2 in the amount of Five Hundred
17 Seventy-Two Thousand Nine Hundred Ninety-Seven Dollars and Eighty-Nine Cents
18 (\$572,997.89) to bring the total contract to Two Million Five Hundred Thirty Five Thousand
19 Thirty Five Dollars and Eighty-Nine Cents (\$2,535,035.89), which exceeded the total
20 authorized amount in Resolution 03-FY2022 by Fourteen Thousand Eight Hundred Sixty-Two
21 Dollars and Eighty-Nine Cents (\$14,862.89), but remained under PUC Docket 22-04 total
22 authorized amount of Two Million Six Hundred Thirty-One Thousand Eight Hundred Dollars
23 (\$2,631,800.00); and
24

25 **WHEREAS**, GWA seeks to issue a contract modification with Giant Construction
26 Corporation for additional work in the Change Order No. 3 as described below (See Exhibit E):

- 27 1. Installation of additional blowoff valve and air release valve (ARV) on Tai Rd.;
- 28 and
- 29 2. Installation of additional ARV, removal/abandonment of old hydrant, and
30 change of connection fittings and increase of new line at Blas St. due to actual
31 site conditions differing from plans/contract documents; and
32

- 1 3. Installation of new 12" gate valve (GV) and additional seven new meter
- 2 connections to 12" waterline on Toto Canada Loop Rd.; and
- 3 4. Additional increase of cost for upgrades along Taison Rd. not covered in
- 4 Change Order 2; and
- 5 5. GRT/ Overhead for Archeological Monitoring Plan not covered in change order
- 6 no. 1; and
- 7 6. SEARCH Archeological Monitoring Services required by SHPO at Tai St. and
- 8 Blas St.; and
- 9

10 **WHEREAS**, GWA seeks additional funding to rectify Change Order No. 2's
11 exceedance of the CCU-authorized amount and for the additional Change Order No. 3 work
12 stated above; and

13
14 **WHEREAS**, GWA seeks to increase the contract amount by One Hundred Seventy-
15 Eight Thousand Three Hundred Ninety-One Dollars and Forty-Three Cents (\$178,391.43), to
16 bring the total contract amount to Two Million Seven Hundred Thirteen Thousand Four
17 Hundred Twenty-Seven Dollars and Thirty-Two Cents (2,713,427.32); and

18
19 **WHEREAS**, GWA further seeks to increase the total authorized funding to include
20 10% contingency in the amount Two Hundred Seventy-One Thousand Three Hundred Forty-
21 Two Dollars and Seventy-Three Cents (\$271,342.73), bringing the total authorized funding
22 amount under this resolution to Two Million Nine Hundred Eighty-Four Thousand Seven
23 Hundred Seventy Dollars and Five Cents (\$2,984,770.05); and

24
25 **WHEREAS**, GWA Management seeks CCU approval to petition the Public Utilities
26 Commission approval to increase the total authorized amount from Two Million Six Hundred
27 Thirty-One Thousand Eight Hundred Dollars (\$2,631,800.00) to Two Million Nine Hundred
28 Eighty-Four Thousand Seven Hundred Seventy Dollars and Five Cents (\$2,984,770.05); and

29 **WHEREAS**, funding shall be from the following sources:

- 30 1. MP-PW-Pipe 12 Rehabilitation and Replacement Program
- 31
- 32

- 1 2. MP-PW-Pipe 13 2-inch Pipe Replacement Program
- 2 3. PW 09-03 Water Distribution System Pipe Replacement and Upgrades
- 3 4. IFCIP

4

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

- 7
- 8 1. The recitals set forth above hereby constitute the findings of the CCU.
- 9 2. The CCU finds that the terms of the conditions set by GWA relative to
10 commencement of subsequent work activities are fair and reasonable.
- 11 3. The CCU hereby authorizes the management of GWA to increase the total
12 authorized funding to include 10% contingency in the amount Two Hundred
13 Seventy-One Thousand Three Hundred Forty-Two Dollars and Seventy-
14 Three Cents (\$271,342.73), bringing the total authorized funding amount
15 under this resolution to Two Million Nine Hundred Eighty-Four Thousand
16 Seven Hundred Seventy Dollars and Five Cents (\$2,984,770.05).
- 17 4. The CCU hereby approves the use of the following sources (Exhibit E):
 - 18 a. MP-PW-Pipe 12 Rehabilitation and Replacement Program
 - 19 b. MP-PW-Pipe 13 2-inch Pipe Replacement Program
 - 20 c. PW 09-03 Water Distribution System Pipe Replacement and
21 Upgrades
 - 22 d. IFCIP
- 23 5. The CCU hereby approves GWA Management to petition the Public
24 Utilities Commission approval to increase the total authorized amount from
25 Two Million Six Hundred Thirty-One Thousand Eight Hundred Dollars
26 (\$2,631,800.00) to Two Million Nine Hundred Eighty-Four Thousand Seven
27 Hundred Seventy Dollars and Five Cents (\$2,984,770.05).

28

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


31 //

32

1 **DULY AND REGULARLY ADOPTED**, this 29th day of November 2022.

2
3 Certified by:

Attested by:

4
5 
6 **JOSEPH T. DUENAS**
7 Chairperson

8 
9 **PEDRO ROY MARTINEZ**
10 Secretary

11 **SECRETARY'S CERTIFICATE**

12 I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on Utilities as
13 evidenced by my signature above do hereby certify as follows:

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

18 AYES: 4
19 NAYS: 0
20 ABSENT: 0
21 ABSTAIN: 0



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

GWA RESOLUTION NO. 19-FY2021

**RELATIVE TO CONTRACT APPROVAL FOR THE TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE REPLACEMENT PROJECT;
GWA PROJECT NO. M19-001-BND**

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 currently has a number of critical projects as part of GWA’s Capital Improvement Plan, including the upgrade of service laterals and replacement of old and persistently leaking waterlines in various diameter, length, and location islandwide; and

WHEREAS, GWA intends to continue the waterline replacement program as part of GWA’s efforts to reduce non-revenue water and make improvements to the system where service delivery has been below standard; and

WHEREAS, on January 7, 2021, GWA advertised the Invitation for Bid IFB-02-ENG-2021 for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement soliciting bid proposals from experienced, responsible, and responsive bidders to provide construction services for service lateral upgrade and replacement of approximately 5,720 LF of existing 2-inch and 6-inch asbestos cement pipe (ACP) with new polyvinyl chloride (PVC) pipes ranging from 6-inch to 12-inch diameter and disconnection of existing branch waterline, service connections and other water appurtenance connections from an existing 6-inch ACP and reconnect to an existing 12-inch PVC waterline along Canada-Toto Loop; and

1 **WHEREAS**, IFB packages were obtained by multiple interested parties, of which four (4)
2 parties submitted bids to GWA (see EXHIBIT A – Abstract of Bids) before the bid proposal
3 deadline; and

4
5 **WHEREAS**, the bid opening conducted on February 26, 2021 revealed Mega United
6 Corporation, Ltd. was the apparent lowest bidder for both Base Bid and Combined Bid (Base Bid
7 + Additive Bid No. 1 + Additive Bid No. 2), however, further review and inquiries from apparent
8 lowest bidder resulted in Mega United Corporation, Ltd. being deemed a non-responsive bidder
9 (see EXHIBIT B – Bid Rejection); and

10
11 **WHEREAS**, GWA Engineering and design consultant subsequently analyzed the next
12 apparent low Base Bid proposal submitted by InfraTech International and determined that
13 InfraTech International was also deemed non-responsive for not submitting complete bid
14 requirements and not meeting the required current and previous experience within the last five (5)
15 years which indicated none of the projects listed give any indication that they are similar in nature
16 to the work required (see EXHIBIT C – GWA letter to InfraTech International); and

17
18 **WHEREAS**, GWA Engineering and design consultant further analyzed the bid proposals
19 received and determined that the bid package submitted by Giant Construction Corporation was
20 the lowest responsive and responsible bid and met all the bid requirements set forth by GWA; and

21
22 **WHEREAS**, GWA Management seeks CCU approval of Giant Construction
23 Corporation’s combined bid (Base Bid + Additive Bid No. 1 + Additive Bid No. 2) proposal
24 amount (SEE EXHIBIT D - Bid Proposal) of One Million Nine Hundred Forty-Five Thousand
25 Seven Hundred Twenty Dollars (\$1,945,720.00), plus the ten percent (10%) contingency of One
26 Hundred Ninety-Four Thousand Five Hundred Seventy-Two Dollars (\$194,572.00), to bring the
27 total authorized funding amount to Two Million One Hundred Forty Thousand Two Hundred
28 Ninety-Two Dollars (\$2,140,292.00); and

29
30 **WHEREAS**, GWA Management further seeks CCU approval to petition the Public
31 Utilities Commission’s approval of the contract given this project meets the Contract Review
32 Protocol requirements for GWA projects for which the use of Bond funds is intended;

1 **WHEREAS**, funding for this project will utilize 2020 Bond under the CIP PW 09-03
2 Water Distribution System Pipe Replacement and Upgrades and MP-PW-Pipe-12 Rehabilitation
3 and Replacement Program funds.

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

- 7
- 8 1. The recitals set forth above hereby constitute the findings of the CCU.
- 9 2. The CCU finds that the terms of the conditions set by GWA relative to
10 commencement of subsequent work activities are fair and reasonable and serve
11 as a measure of Quality Assurance/Quality Control (QA/QC).
- 12 3. The CCU hereby authorizes the management of GWA to accept the combined
13 bid proposal from Giant Construction Corporation (Exhibit D).
- 14 4. The CCU hereby authorizes the management of GWA to enter into a contract
15 with Giant Construction Corporation in the amount of One Million Nine
16 Hundred Forty-Five Thousand Seven Hundred Twenty Dollars
17 (\$1,945,720.00).
- 18 5. The CCU hereby approves the funding total of One Million Nine Hundred
19 Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00), along
20 with a 10% percent contingency of One Hundred Ninety-Four Thousand Five
21 Hundred Seventy-Two Dollars (\$194,572.00), to bring the total authorized
22 funding amount to Two Million One Hundred Forty Thousand Two Hundred
23 Ninety-Two Dollars (\$2,140,292.00).
- 24 6. The CCU hereby approves the funding for this project will be from the 2020
25 Bond proceeds under the CIP PW 09-03 Water Distribution System Pipe
26 Replacement and Upgrades and MP-PW-Pipe-12 Rehabilitation and
27 Replacement Program funds.
- 28 7. The CCU hereby further approves GWA management to petition the PUC's
29 approval of the project and contract proposal.

30 //

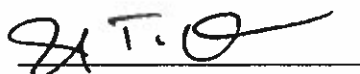
31 //

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

3
4 **DULY AND REGULARLY ADOPTED**, this 27th day of April 2021.

5
6 Certified by:

Attested by:

7
8 



9 **JOSEPH T. DUENAS**
10 Chairperson

MICHAEL T. LIMTIACO
Secretary

11 **SECRETARY'S CERTIFICATE**

12
13 I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as
14 evidenced by my signature above do hereby certify as follows:

15
16 The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular
17 meeting by the members of the Guam Consolidated Commission on Utilities, duly and
18 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:

19 **AYES:** 5
20 **NAYS:** Ø
21 **ABSENT:** Ø
22 **ABSTAIN:** Ø





GUAM WATERWORKS AUTHORITY

Project Name: TAI ROAD/S-13 AND CANADA-TOTO-LOOP/BLAS STREET WATERLINE REPLACEMENT
Project Number: M19-001-8ND

Bid Opening Date: February 26, 2021
Time: 3:00 PM

ABSTRACT OF BIDS

BIDDERS NAME	Bid Bond	CERTIFICATIONS											ADDENDUM		GRAND TOTAL			
		Minor Construction	Non-Construction	Equal Opportunity	Non-Employment	Facilities	Employment of Non-Facilities	Special Orderer	Wage & Benefits Determination	Major Contractors	Special Address	Special Instruction to Bidders	1	2				
1. IAN CORPORATION	LEXOP INSURANCE CO. 15% OF TOTAL BID AMOUNT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
2. GIANT CONSTRUCTION CORPORATION	PACIFIC INDEMNITY INS. CO. 15% OF ACCOMPANYING BID	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3. INFRA TECH INTERNATIONAL, LLC	SAFECO INSURANCE CO. OF AMERICA 15% OF BID	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
4. MEGA UNITED	FIRST NET INSURANCE CO. 15% OF TOTAL BID AMOUNT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BASE BID		ADDITIVE BID NO. 1											ADDITIVE BID NO. 2		GRAND TOTAL			
1. IAN CORPORATION	\$ 1,276,796.75	\$ 295,349.34											\$ 458,613.51		\$ 2,030,759.60			
2. GIANT CONSTRUCTION CORPORATION	\$ 1,554,690.00	\$ 162,040.00											\$ 228,990.00		\$ 1,945,720.00			
3. INFRA TECH INTERNATIONAL, LLC	\$ 1,161,211.39	\$ 464,620.45											\$ 669,459.14		\$ 2,295,290.98			
4. MEGA UNITED	\$ 907,290.00	\$ 126,320.00											\$ 228,260.00		\$ 1,261,870.00			
GWA Engineer's Estimate	\$ 2,073,757.14	\$ 207,567.82											\$ 352,762.63		\$ 2,634,087.59			

Bids Opened and Read by: FLORIAN B. BERGAN
 (Name and Signature)

GWA Procurement Representative: ROLAND LUMONGSUD
 (Name and Signature)

Witness: Diana Taha A.



GUAM WATERWORKS AUTHORITY
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
Tel. No. (671) 300-6846

March 10, 2021

Mr. Zumin Zhang
President
Mega United Corporation, LTD
P.O. Box 8620
Tamuning, Guam 96931

Project: Tai Road/S-13 and Canada-Toto Loop/Bias Street Waterline Replacement
GWA Project No. M19-001-BND

Subject: Bid Rejection

Hafa Adai Mr. Zhang,

This is in response to your letter dated March 9, 2021 advising the Guam Waterworks Authority (GWA) that Mega United Corporation LTD (Mega United) made the decision to decline the above referenced project despite being apparent low bidder. You stated the decision was made due to errors resulting from miscalculations of quantities and material costs for numerous line items submitted in the bid proposal.

Because Mega United is nonresponsive, your bid is hereby rejected and GWA will not award the project to Mega United in accordance with Article 16 – Modification and Withdrawal of Bid, Section 16.03 and Article 19 – Evaluation of Bids and Award of Contract, Section 19.01 as rejecting your bid is in the best interest of GWA.

We are returning herewith your bid security (Bid Bond) in accordance with the bid requirements. Should you have any questions, please submit them in writing to Gloria Bensen of Engineering Division at gpbensan@guamwaterworks.org.

Sincerely,



MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure


GUAM WATERWORKS AUTHORITY**Aturidat Kinalamten Hanom Guahan****"Better Water. Better Lives."**

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

P O. Box 3010, Hagåtña, Guam 96932

Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

March 29, 2021

Ravindra B. Gogineni
Vice President
InfraTech International, LLC
118 Aspengao Ct.
Barrigada, Guam 96913

Project: IFB-02-ENG-2021
Tai Road/S-13 and Canada-Toto-Loop/Bias Street Waterline Replacement
GWA Project No. M19-001-Bond

Subject: Bid Evaluation

Hafa Adai Mr. Gogineni,

This is in response to your email dated March 26, 2021 requesting additional information why InfraTech is not awarded the project when it is the 2nd lowest bidder (Base Bid).

The Guam Waterworks Authority (GWA) and its design consultant carefully evaluated all bids received and decided to award the combined bid (Base Bid, Additive Bid No. 1, and Additive Bid No. 2) to the lowest responsive and responsible bidder who submitted the lowest combined bid and met the requirements of the bid. The determination of award was in accordance with Article 19 – Evaluation of Bids and Award of Contract of the Instruction to Bidders.

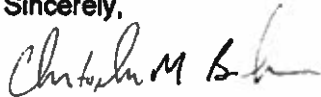
Bid Analysis for InfraTech International, LLC:

1. The Contractor is not licensed with a C-17 (Excavating, Grading & Trenching) and C-37 (Plumbing) classification, which are classifications associated with the type of work to be performed under this project and there is no indication of any major suppliers that might be qualified with these classifications.
2. The Contractor's current and previous experience within the last 5 years only shows a few projects that are utility related, but all are on-going project and have not been completed. None of the projects listed give any indication that they are similar in nature to the work required under this project.
3. The Contractor mis-informed the contact information on the Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement by stating that the Owner is Duenas, Camacho & Associates, instead of Guam Waterworks Authority, and listed the Design Engineer as mi-Tech, instead of HDR, Inc. or HDR Engineering, Inc., whom were the designers for that project.
4. The Contractor is missing Schedule C (Major Equipment) as required under page 8 of Section 00460 – Qualifications Statement.
5. The Contractor only provided "unaudited" balance sheets for the last 3 years and not "audited" balance sheets as required under page 8 of Section 00460 – Qualifications Statement. These "unaudited" balance sheets state to see accompanying review of independent accountants, however, those were not provided.

6. The Contractor did not provide any evidence of authority for individuals to bind organization to an agreement as required under page 8 of Section 00460 – Qualifications Statement.
7. The Contractor did not provide resumes of officers and key individuals (including Safety Officer) of the firm as required under page 8 of Section 00460 – Qualifications Statement.
8. The Contractor did not provide the required safety program submittals or acknowledge that there are none as required under page 6 & 8 of Section 00460 – Qualifications Statement.
9. The bid form submitted by Infratech International, LLC., had one mathematical calculation error in the base bid. Per the Instructions to Bidders, Article 14.01, Item C, the sum total for a unit price bid item shall favor the unit prices provided. In the bid tabulation, the unit prices were held and multiplied against the quantities that were provided in the bid schedule and the new totals were calculated.
10. The bid submitted was less than the engineer's estimate by 56.0% for the base bid and 87.1% for the overall total. The bid supplied was more than the engineer's estimate by 223.8% for additive bid #1 and 189.8% for additive bid #2.
11. This submitted bid for the additive bid #1 and additive bid #2 is considerably higher than expected and the grand total for base bid and all additive bids is this highest amongst all of the bidders.

Should you have any questions, please email Gloria Bensen at gpbensen@guamwaterworks.org within two (2) days after receipt of this letter.

Sincerely,



for:

MIGUEL C. BORDALLO, P.E.
General Manager

MCB/gb

BID FORM

ORIGINAL

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

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

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with Buyer in the form included in the Bidding Documents to furnish the Goods and Special Services as specified or indicated in the Bidding Documents, for the prices and within the times indicated in this Bid, and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 - BIDDER'S ACKNOWLEDGMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Buyer.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
Addendum No. 1	Feb. 16, 2021
Addendum No. 2	Feb. 17, 2021

B. Bidder has visited the Point of Destination and site where the Goods are to be installed or Special Services will be provided and become familiar with and is satisfied as to the observable local conditions that may affect cost, progress, or the furnishing of Goods and Special Services, if required to do so by the Bidding Documents, or if, in Bidder's judgment, any local condition may affect cost, progress, or the furnishing of Goods and Special Services.

C. Bidder is familiar with and is satisfied as to all Laws and Regulations in effect as of the date of the Bid that may affect cost, progress, and the furnishing of Goods and Special Services.

- D. Bidder has carefully studied, considered, and correlated the information known to Bidder; information commonly known to sellers of similar goods doing business in the locality of the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; information and observations obtained from Bidder's visits, if any, to the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; and any reports and drawings identified in the Bidding Documents regarding the Point of Destination and the site where the Goods will be installed or where Special Services will be provided, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of Seller's obligations under the Bidding Documents.
- E. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution (if any) thereof by Engineer is acceptable to Bidder.
- F. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for furnishing the Goods and Special Services for which this Bid is submitted.

ARTICLE 4 - BIDDER'S CERTIFICATIONS

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Buyer, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Buyer of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Buyer, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process.

ARTICLE 5 - BASIS OF BID

5.01 Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the following price(s):

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

UNIT PRICE BID FORM

Base Bid Description: Tai Road and Canada-Toto Loop Work

Work consists of replacing an existing 6-inch asbestos cement pipe (ACP) water line with a new 8-inch polyvinyl chloride (PVC) water line and reconnecting all branch water lines, service connections and other water appurtenance connections, and performing disinfection of the new PVC water line and providing temporary traffic control as necessary to complete the work along Tai Road. Additional work consists of reconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line to an existing 12-inch PVC water line along Canada-Toto Loop and providing temporary traffic control as necessary to complete the work along Canada-Toto Loop.

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	Lump Sum	\$ 228,000.00	1	\$ 228,000.00
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ 40,000.00	1	\$ 40,000.00
3	2" PVC Pressure Pipe (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 145.00	48	\$ 6,960.00
4	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 160.00	135	\$ 21,600.00
5	8" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 176.00	3,640	\$ 640,640.00
6	12" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 600.00	111	\$ 66,600.00

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
7	12" Gate Valve	Ea.	\$ <u>5,000.00</u>	4	\$ <u>20,000.00</u>
8	8" Gate Valve	Ea.	\$ <u>4,500.00</u>	4	\$ <u>18,000.00</u>
9	6" Gate Valve	Ea.	\$ <u>3,800.00</u>	9	\$ <u>34,200.00</u>
10	1" Service Line	Lin. Ft.	\$ <u>87.00</u>	1,264	\$ <u>109,968.00</u>
11	1-1/2" Service Line	Lin. Ft.	\$ <u>92.00</u>	321	\$ <u>29,532.00</u>
12	Reconnection of 3/4" Single Meter Installation on 8-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,750.00</u>	19	\$ <u>52,250.00</u>
13	Reconnection of 3/4" Single Meter Installation on 12-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,920.00</u>	19	\$ <u>55,480.00</u>
14	Reconnection of 3/4" Dual Meter or Multi-Meter Installation on 8-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,850.00</u>	9	\$ <u>25,650.00</u>
15	Reconnection of 3/4" Dual or Multi-Meter Installation on 12-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,980.00</u>	7	\$ <u>20,860.00</u>
16	Reconnection of 2" Water line on 8-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,800.00</u>	3	\$ <u>8,400.00</u>
17	Reconnection of 2" Water line on 12-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,850.00</u>	1	\$ <u>2,850.00</u>
18	Reconnection of Fire Hydrant Assembly on 8-inch Water Main (Includes Tapping Sleeve and all Fittings necessary to make the reconnection)	Ea.	\$ <u>8,000.00</u>	2	\$ <u>16,000.00</u>
19	Reconnection of Fire Hydrant Assembly on 12-inch Water Main (Includes Tapping Sleeve and all Fittings necessary to make the reconnection)	Ea.	\$ <u>8,400.00</u>	2	\$ <u>16,800.00</u>

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
	reconnection)				
20	Fire Hydrant Assembly (Includes 5 L.F of 6-inch PVC lateral service line and all pipe, bends and thrust blocks necessary to complete the installation)	Ea.	\$ <u>6,800.00</u>	3	\$ <u>20,400.00</u>
21	Combination Air Release Valve in Valve Box	Ea.	\$ <u>5,500.00</u>	2	\$ <u>11,000.00</u>
22	Relocate Meter Box and Assembly	Ea.	\$ <u>4,700.00</u>	5	\$ <u>23,500.00</u>
23	Pressure Testing and Disinfection of New Waterline and Service Connections (Tal Rd. and Canada-Toto Loop)	Lump Sum	\$ <u>20,000.00</u>	1	\$ <u>20,000.00</u>
24	Fittings	Tons	\$ <u>8,000.00</u>	2	\$ <u>16,000.00</u>
25	Traffic Control including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ <u>45,000.00</u>	1	\$ <u>45,000.00</u>
26	As-builts	Lump Sum	\$ <u>5,000.00</u>	1	\$ <u>5,000.00</u>
BASE BID (TOTAL Items 1 through 26, inclusive)					\$ <u>1,554,690.00</u>
<i>(Please write out total bid amount in words below)</i>					
<u>\$ One Million Five Hundred Fifty Four Thousand Six Hundred Ninety Exactly</u>					

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

UNIT PRICE BID FORM

Additive Bid #1 Description: S-13 Road Work

Replacing an existing 2-inch water line with a new 6-inch water line along S-13 and reconnecting all service connections and other water appurtenance connections.

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization (For additional costs associated with bonding, insurance and permits for this additive bid)	Lump Sum	\$ 28,000.00	1	\$ 28,000.00
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ 3,500.00	1	\$ 3,500.00
3	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 135.00	680	\$ 91,800.00
4	1" Service Line	Lin. Ft.	\$ 120.00	112	\$ 13,440.00
5	Reconnection of 3/4" Single Meter Installation on 6-inch Water Main (Includes Service Saddle and all fittings necessary to make the reconnection)		\$ 1,800.00	5	\$ 9,000.00
6	2" Temporary Blowoff Assembly in Vault (Complete in Place)	Lump Sum	\$ 5,000.00	1	\$ 5,000.00
7	Pressure Testing and Disinfection of New Waterline and Service Connections (S-13 Rd.)	Lump Sum	\$ 4,000.00	1	\$ 4,000.00

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
8	Fittings	Tons	\$ <u>10,000.00</u>	0.1	\$ <u>1,000.00</u>
9	Traffic Control including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ <u>4,500.00</u>	1	\$ <u>4,500.00</u>
10	As-builts	Lump Sum	\$ <u>1,800.00</u>	1	\$ <u>1,800.00</u>
ADDITIVE BID #1 (TOTAL Items 1 through 10, inclusive)					\$ <u>162,040.00</u>
<i>(Please write out total bid amount in words below)</i>					
\$ <u>One Hundred Sixty Two Thousand Forty Exactly</u>					

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

UNIT PRICE BID FORM

Additive Bid #2 Description: Blas Street Work

Work consists of replacing an existing 6-inch ACP water line with a new 6-inch PVC water line along Blas Street and reconnecting all service connections and other water appurtenance connections.

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization (For additional costs associated with bonding, insurance and permits for this additive bid)	Lump Sum	\$ <u>38,000.00</u>	1	\$ <u>38,000.00</u>
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ <u>8,400.00</u>	1	\$ <u>8,400.00</u>
3	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ <u>85.00</u>	1,152	\$ <u>97,920.00</u>
4	6" Gate Valve	Ea.	\$ <u>3,500.00</u>	1	\$ <u>3,500.00</u>
5	1" Service Line	Lin. Ft.	\$ <u>60.00</u>	142	\$ <u>8,520.00</u>
6	Reconnection of 3/4" Single Meter Installation on 6-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,900.00</u>	6	\$ <u>17,400.00</u>

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
7	Fire Hydrant Assembly (Includes 5 L.F of 6 inch PVC lateral service line and all pipe, bends and thrust blocks necessary to complete the installation)	Ea.	\$ <u>6,800.00</u>	1	\$ <u>6,800.00</u>
8	2" Permanent Blowoff Assembly in Vault (Complete In Place)	Lump Sum	\$ <u>5,200.00</u>	1	\$ <u>5,200.00</u>
9	Combination Air Release Valve in Valve Box	Ea.	\$ <u>5,500.00</u>	2	\$ <u>11,000.00</u>
10	Pressure Testing and Disinfection of New Waterline and Service Connections (Blas St.)	Lump Sum	\$ <u>12,500.00</u>	1	\$ <u>12,500.00</u>
11	Fittings	Tons	\$ <u>8,500.00</u>	0.7	\$ <u>5,950.00</u>
12	Traffic Control including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ <u>10,000.00</u>	1	\$ <u>10,000.00</u>
13	As-builts	Lump Sum	\$ <u>3,800.00</u>	1	\$ <u>3,800.00</u>
ADDITIVE BID #2 (TOTAL Items 1 through 13, Inclusive)					\$ <u>228,990.00</u>
<i>(Please write out total bid amount in words below)</i>					
<u>\$ Two Hundred Twenty Eight Thousand Nine Hundred Ninety Exactly</u>					

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

SUMMARY OF BIDS	
BASE BID (TOTAL Items 1 through 26, inclusive)	\$ <u>1,554,690.00</u>
ADDITIVE BID #1 (TOTAL Items 1 through 10, inclusive)	\$ <u>162,040.00</u>
ADDITIVE BID #2 (TOTAL Items 1 through 13, inclusive)	\$ <u>228,990.00</u>
GRAND TOTAL BASE BID + ADDITIVE BID #1 TO ADDITIVE BID #2	\$ <u>1,945,720.00</u>
<i>(Please write out grand total bid amount in words below)</i>	
\$ <u>One Million Nine Hundred Forty Five Thousand Seven Hundred Twenty Exactly</u>	



BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN RE: REQUEST BY THE GUAM) GWA Docket 21-03
WATERWORKS AUTHORITY FOR)
APPROVAL OF THE BID AND)
PROPOSED CONTRACT WITH GIANT) **ORDER**
CONSTRUCTION CORPORATION FOR)
THE TAI ROAD/S13 AND CANADA-)
TOTO LOOP/BLAS STREET)
WATERLINE REPLACEMENT PROJECT)

INTRODUCTION

1. This matter comes before the Guam Public Utilities Commission ["PUC"] upon the Petition of the Guam Waterworks Authority ["GWA"] for approval of the Bid and Proposed Contract with Giant Construction Corporation for the Tai Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement Project.¹
2. GWA indicates that there has been an increasing frequency of water outages in the Canada-Toto Loop area. To remedy this issue, GWA has put together this fast-track replacement CIP procurement.²
3. Due to the exigent nature of the work to be performed, GWA filed its petition and requested a hearing for this month's PUC Meeting.³

BACKGROUND

4. On January 7, 2021, GWA advertised the Invitation for Bid IFB-02-ENG-2021 for the Tai Road/S13 and Canada-Toto Loop/Blas Street Waterline replacement.⁴

¹ GWA Petition for Approval of the Bid and Proposed Contract with Giant Construction Corporation for the Tai Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement Project, GWA Docket 21-03, filed April 14, 2021.

² Letter from GWA General Counsel Kelly Clark to PUC ALJ Fred Horecky, dated April 13, 2021.

³ Id.

5. The IFB solicited bid proposals to provide construction service lateral upgrade and replacement of approximately 5,720 LF of existing 2-inch and 6-inch asbestos cement pipe (ACP), with new polyvinyl chloride (PVC) pipes ranging from 6-inch to 12-inch diameter and disconnection from an existing 6-inch ACP, and reconnect to an existing 12-inch PVC waterline along Canada-Toto Loop.⁵
6. On February 26, 2021, GWA received a total of four (4) bid proposals. However, after a voluntary declination of the project by the lowest bidder ("MEGA United"), and the disqualification of the second lowest bidder ("Infra Tech International"), GWA determined that the bid proposal submitted by Giant Construction Corporation was the lowest responsive and responsible bid, meeting all the bid requirements set forth by GWA.⁶
7. The total bid of Giant Construction is the amount of \$1,945,720.00, which includes the Base Bid, an additive Bid No. 1, and additive Bid No. 2.⁷
8. GWA has added a ten percent (10%) contingency of \$194,572.00 to the Contract, bringing the total authorized funding amount to \$2,140,292.00. The pricing proposal of Giant Construction (Exhibit D to GWA's Petition) is attached to the ALJ Report hereto as Exhibit "1".
9. The ALJ filed his Report herein dated April 19, 2021. The PUC adopts the conclusions and recommendations therein.

⁴ GWA Petition, Id., at p. 1.

⁵ Id., at pgs. 1-2.

⁶ Id., at p. 2.

⁷ Id.

DETERMINATIONS

10. As GWA states, the Contract with Giant Construction Corporation must have prior PUC approval because its total price exceeds \$1,000,000.00.⁸

11. GWA indicates that, to resolve the recurring waterline breaks along the Tai Road, S13 and Canada-Toto Loop/Blas Street, the existing meters will need to be disconnected from an existing 6-inch asbestos cement pipe (ACP) and then reconnected to the existing 12-inch PVC waterline. This project will also replace old and persistently leaking 2-inch and 6-inch ACP with new polyvinyl chloride (PVC) pipe ranging from 6-inches to 12-inches in diameter, including upgrade of service laterals of various lengths, along Tai Road, S13, and Blas Street.⁹

12. GWA has established that the increasing frequency of water outages in the Canada-Toto Loop area has caused a “serious issue” to the customers in that area. Expeditious action, in the form of the contract with Giant Construction Corporation, is necessary and prudent.

13. The PUC should approve GWA’s bid and Proposed Contract for the Waterline Replacement Project so that these serious issues can be addressed as soon as possible.

⁸ Contract Review Protocol for Guam Waterworks Authority, Docket 00-04, dated October 27, 2005 at par. 1(a).

⁹ Id., at pgs. 2-3.

14. This project is consistent with GWA's waterline replacement program, which seeks to reduce the non-revenue water rate, as well as to improve the system where service delivery has been below standard.¹⁰

ORDERING PROVISIONS

Upon consideration of the record herein, the Petition of GWA, the ALJ Report, and for good cause shown, on motion duly made, seconded, and carried by the affirmative vote of the undersigned Commissioners, the Commission hereby **ORDERS** that:

1. Invitation for Bid IFB-02-ENG-2021 for the Tai Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement and the Contract with Giant Construction Corporation for the Tai Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement Project are approved.
2. GWA is authorized to expend up to the amount of \$2,140,292.00 for the Contract with Giant Construction Corporation.
3. GWA should file the final Contract with PUC.
4. GWA is ordered to pay the Commission's regulatory fees and expenses, including, without limitation, consulting and counsel fees and the fees and expenses of conducting the hearing proceedings. Assessment of PUC's regulatory fees and expenses is authorized pursuant to 12 GCA §§12103(b) and 12125(b), and Rule 40 of the Rules of Practice and Procedure before the Public Utilities Commission.

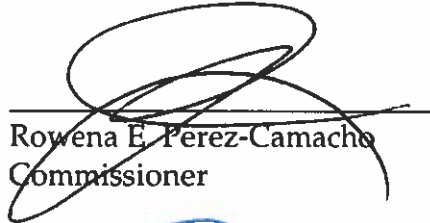
¹⁰Id., at p. 3.

Order
Approval for Water Replacement Project
With Giant Construction Corporation
GWA Docket 21-03
April 29, 2021

Dated this 29th day of April 2021.



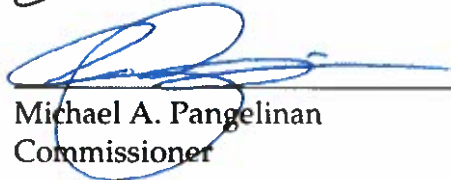
Jeffrey C. Johnson
Chairman



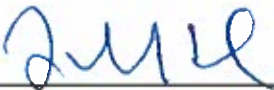
Rowena E. Perez-Camacho
Commissioner



Joseph M. McDonald
Commissioner



Michael A. Pangelinan
Commissioner



Peter Montinola
Commissioner



Doris Flores Brooks
Commissioner



Pedro S.N. Guerrero
Commissioner



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

GWA RESOLUTION NO. 03-FY2022

**RELATIVE TO CHANGE ORDER NO. 2 CONTRACT APPROVAL FOR THE
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT PROJECT;
GWA PROJECT NO. M19-001-BND**

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 intends to continue the waterline replacement program as part of GWA’s efforts to reduce non-revenue water and make improvements to the system where service delivery has been below standard; and

WHEREAS, on April 27, 2021, the CCU approved via Resolution 19-FY2021 for GWA management to enter into contract with Giant Construction Corporation to construct the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement project to upgrade and replace existing old and leaking waterlines of various diameters, lengths, and locations to reduce water loss in the water distribution system; and

WHEREAS, the above noted resolution approved the funding total of One Million Nine Hundred Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00), along with a ten percent (10%) contingency of One Hundred Ninety-Four Thousand Five Hundred Seventy-Two Dollars (\$194,572.00) to bring the total authorized funding amount to Two Million One Hundred Forty Thousand Two Hundred Ninety-Two Dollars (\$2,140,292.00); and

1 **WHEREAS**, one of the line replacement locations included as part of Giant
2 Construction's scope of work is the arterial Canada-Toto Loop Road which calls for branch
3 waterlines, service connections and other water appurtenances to be disconnected from the
4 existing and breakage-prone 6-inch diameter asbestos cement pipe (ACP) and reconnected to
5 an existing 12-inch diameter polyvinyl chloride (PVC) watermain; and
6

7 **WHEREAS**, Taison Road, a branch road connected to the Canada-Toto Loop having
8 existing revenue meters all located at the intersection of Canada-Toto/Taison Road connected
9 to the existing 6-inch ACP line and leading to long runs of 1 to 1 ¼-inch galvanized pipe to the
10 houses further down the road; and
11

12 **WHEREAS**, this configuration of service lateral connections for residents along
13 Taison Road results in water flow and pressure issues which will not be improved by the
14 original scope of construction for the waterline replacement at Canada-Toto Loop; and
15

16 **WHEREAS**, GWA management seeks to change order the existing contract scope with
17 Giant Construction Corporation to replace the existing 1 to 1 ¼-inch galvanized pipe along
18 Taison Road with new 6-inch diameter PVC pipes, install fire hydrants for fire protection, and
19 relocate existing service water meters from the entrance of Taison Road to the front of each
20 house; and
21

22 **WHEREAS**, Dueñas, Camacho & Associates, Inc. (DCA), the Construction
23 Management (CM) consultant firm overseeing the construction of the project negotiated with
24 Giant Construction Corporation to replace the existing 1 to 1 ¼-inch galvanized waterline to 6-
25 inch PVC pipe (See Exhibit A) along Taison Road; and
26

27 **WHEREAS**, GWA Management seeks CCU approval of the Change Order No. 2 with
28 Giant Construction Corporation to replace the existing 1 to 1 ¼-inch diameter waterline along
29 Taison Road with 6-inch diameter PVC pipes complete in place at a cost of Five Hundred
30 Fifty-Eight Thousand One Hundred Thirty-Five Dollars (\$558,135.00); and
31
32

1 **WHEREAS**, GWA Management previously approved the Change Order No. 1 for
2 Giant Construction Corporation to obtain the services of an archaeological firm to prepare the
3 archaeological research design for Tai Road and Blas Street/Canada-Toto Loop intersection as
4 required by the Department of Parks and Recreation – State Historic Preservation Office
5 ((DPR-SHPO) at a cost of Sixteen Thousand Three Hundred Eighteen Dollars (\$16,318.00)
6 which brought the total construction contract value to One Million Nine Hundred Sixty Two
7 Thousand Thirty Eight Dollars (\$1,962,038.00) (See Exhibit B); and

8
9 **WHEREAS**, the adjusted total authorized contract value of One Million Nine Hundred
10 Sixty-Two Thousand Thirty-Eight Dollars (\$1,962,038.00) plus the proposed Change Order
11 No. 2 amount of Five Hundred Fifty-Eight Thousand One Hundred Thirty-Five Dollars
12 (\$558,135.00) will bring the total authorized contract amount to Two Million Five Hundred
13 Twenty Thousand One Hundred Seventy-Three Dollars (\$2,520,173.00); and

14
15 **WHEREAS**, funding for the proposed Change Order No. 2 will utilize 2020 Bond
16 under the MP-PW-Pipe-12 Rehabilitation and Replacement Program funds; and

17
18 **WHEREAS**, GWA Management further seeks CCU approval to petition the Public
19 Utilities Commission’s approval of the Change Order No. 2 as may be required under the
20 Contract Review Protocol requirements for GWA projects.

21 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
22 does hereby approve and authorize the following:
23

- 24 1. The recitals set forth above hereby constitute the findings of the CCU.
- 25 2. The CCU finds that the terms of the conditions set by GWA relative to
26 commencement of subsequent work activities are fair and reasonable and
27 serve as a measure of Quality Assurance/Quality Control (QA/QC).
- 28 3. The CCU hereby authorizes the management of GWA to accept the Change
29 Order proposal from “Giant Construction Corp.” attached hereto as Exhibit
30 A, and which is incorporated into this Resolution in its entirety.
31
32

- 1 4. The CCU hereby further authorizes GWA management to execute the
2 Change Order No. 2 with "Giant Construction Corp.", in the amount of Five
3 Hundred Fifty-Eight Thousand One Hundred Thirty-Five Dollars
4 (\$558,135.00).
- 5 5. The CCU hereby further approves the increase contract value of One
6 Million Nine Hundred Sixty-Two Thousand Thirty-Eight Dollars
7 (\$1,962,038.00) plus the Change Order No. 2 amount of Five Hundred
8 Fifty-Eight Thousand One Hundred Thirty-Five Dollars (\$558,135.00) to
9 bring the total authorized contract amount to Two Million Five Hundred
10 Twenty Thousand One Hundred Seventy-Three Dollars (\$2,520,173.00);
- 11 6. The CCU hereby approves the funding for the Change Order No. 2 will be
12 from the 2020 Bond proceeds under the MP-PW-Pipe-12 "Rehabilitation
13 and Replacement Program".
- 14 7. The CCU hereby further approves GWA management to petition the PUC's
15 approval of the Change Order No. 2 as may be required under the Contract
16 Review Protocol.

17
18 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the
19 adoption of this Resolution.

20
21 **DULY AND REGULARLY ADOPTED**, this 26th day of October 2021.

22
23 Certified by:

Attested by:

24 

25 **JOSEPH T. DUENAS**
26 Chairperson

24 

25 **MICHAEL T. LIMTIACO**
26 Secretary

27
28
29 //

30
31
32 //

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, 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: 3

NAYS: 0

ABSENT: 2

ABSTAIN: 0

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EXHIBIT - A

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

August 16, 2021

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

Attn: Gloria Bensen, Project Manager, Guam Waterworks Authority

Via: Email: gpbensen@guamwaterworks.org

Ref: Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement
Project No. M19-001-BND

Subject: Change Order Recommendation for New 6-inches Waterline at Taison Road

Sir / Ma'am,

This letter is in referenced to the review and analysis performed by Duenas Camacho and Associates, Inc. to the latest cost proposal submitted by GIANT Construction Corporation dated August 13, 2021. The proposal is in response to Guam Waterworks Authority's additional requirement under Project No M19-001-BND to install new 6-inches waterline along Taison Road (see Attachment) and replace the existing 2-inches waterline. Comparison and analysis was done in referenced to Additive Bid #01 wherein the same scope of work at S-13 Road was submitted and being part of the existing contract. Pricing on a couple of line items such as mobilization and installation of new 6-inches PVC line that shows significant unit cost increase was discussed with the Contractor. Reasonable explanation that clarifies the Resident Project Representatives' (RPR) concern leads to the acceptance of the said change proposal which also includes the cost to cover the design aspect.

Recommendations:

DCA, Inc. recommends that Change Order #02 be awarded to the Contractor with the total lump sum amount of *Five Hundred Fifty Eight Thousand One Hundred Thirty Five and 00/100 Dollars (\$558,135.00)* that includes Tax, Bonds & Insurance, and Contractor's Fees. The total project cost is summarized below:

Original Contract Amount	\$1,945,720.00
Change Order #01 (Additive – Archeological Consultancy Service)	\$16,318.00
Current Contract Amount	\$1,962,038.00
Change Order #02 (Additive – Taison Road Waterline)	\$558,135.00
New Contract Amount (up to CO#02)	\$2,520,173.00

August 24, 2021

Time Extension Request:

Contractor did not include any time extension request related to this additive Change Order. Hence, project duration to substantial completion remains at 365 Calendar Days from issued date of notice to proceed. Should the Contractor later request for such time extension with supporting justification, evaluation will be done and separate recommendation will be submitted to the Owner for further review and acceptance.

Regards,



Kenneth M. Rekdahl, PE
Dueñas, Camacho and Associates
Resident Project Representative

Cc:

Rodolfo Gasal, DCA
Editha B. Thompson, DCA



GIANT CONSTRUCTION CORP.

P.O. Box 9578 Tamuning, Guam 96931
Tel.: (671) 649-6472 • Fax.: (671) 646-3693
E-mail: giantconst@gmail.com

Aug. 13, 2021

Guam Waterworks Authority

Mr. Miguel Bordallio
General manager
P.O. Box 3010
Hagatna, Guam 96913

Attention : Mr. Mauryn McDonald P.E. / Acting Chief Engineer

Project : Tai Road/S-13 and Canada-Toto Loop/Blas Street Water line Replacement
GWA Project No. M19-001-BND

Subject : Proposal of Taison Road 6 inch PVC water line and service lateral and connection work

**GUAM WATERWORKS AUTHORITY
TAI ROAD/5-13 AND CANADA/TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT
GWA Project No. M19-001-BND**

UNIT PRICE of Additional work in Taison Road

Additional Work Order Taison Road breakdown

Work consists of replacing an existing 1 inch and 2 inch water line to a new 6 inch PVC water line along the Taison Road and reconnecting all service connections. New 6 inch water line connect to existing 12" main line on the Canada-Toto Loops.

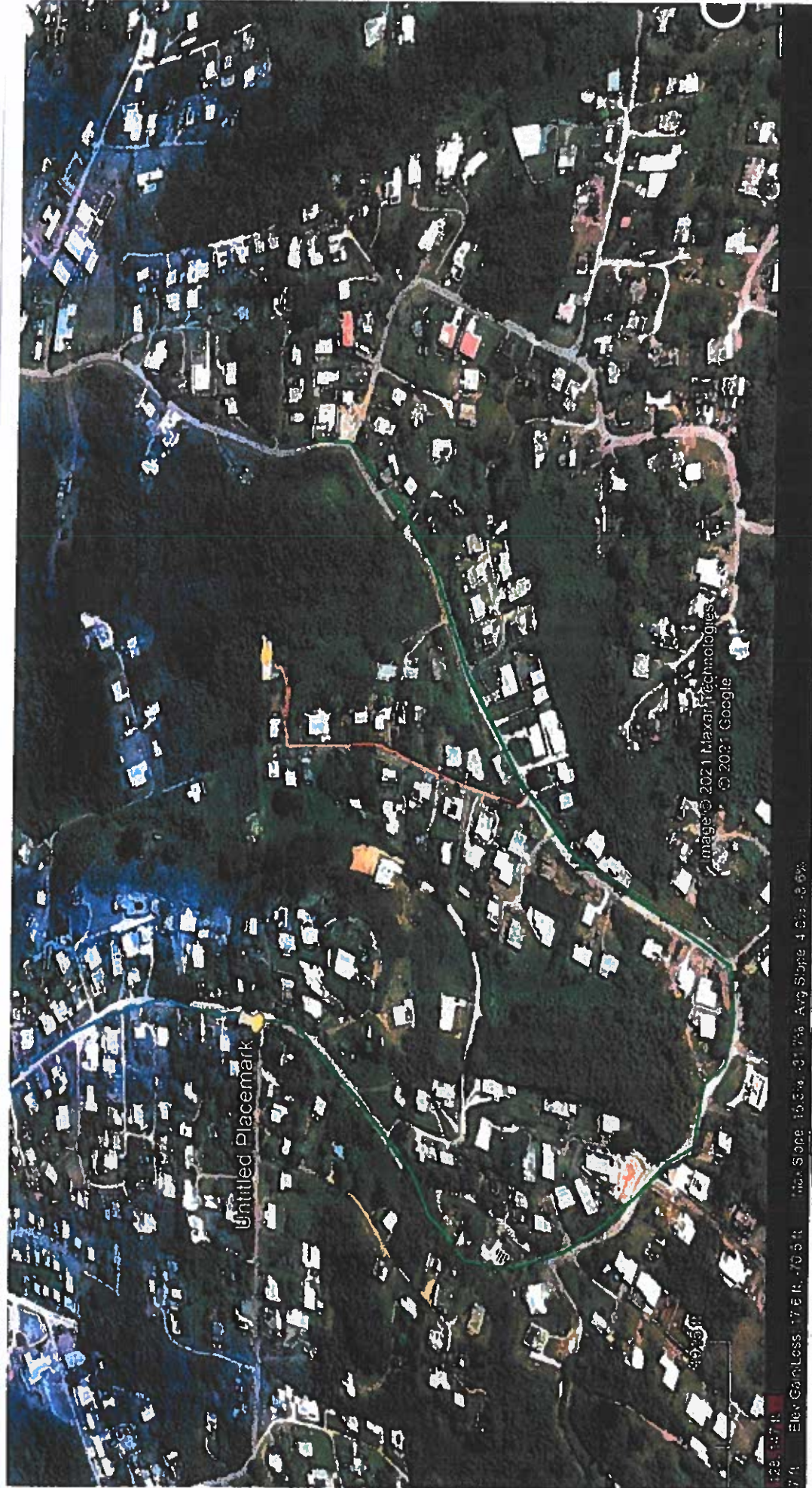
Item No	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization (For additional costs associated with bonding, insurance and permits for this additive bid)	Lump Sum	\$ <u>78,000.00</u>	1	\$ <u>78,000.00</u>
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ <u>8,400.00</u>	1	\$ <u>8,400.00</u>
3	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft	\$ <u>175.00</u>	1,052	\$ <u>184,100.00</u>
4	1" Service Line	Lin. Ft	\$ <u>105.00</u>	325	\$ <u>34,125.00</u>
5	Reconnection of 3/4" Single Meter installation on 6-inch Water Main (Includes Service Saddle and all Fittings necessary to make the	EA	\$ <u>2,900.00</u>	24	\$ <u>69,600.00</u>
6	Fire Hydrant Assembly (includes 5 LF of 6 inch PVC lateral service line and all pipe, bends and thrust blocks necessary to complete the installation)	EA	\$ <u>7,000.00</u>	2	\$ <u>14,000.00</u>
7	2" Permanent Blowoff Assembly in Valut (Complete in Place)	Lump Sum	\$ <u>5,200.00</u>	1	\$ <u>5,200.00</u>
8	Combination Air Release Valve in valve box	Lump Sum	\$ <u>5,500.00</u>	1	\$ <u>5,500.00</u>

9	Pressure Testing and Disinfection of New Waterline (Taison Road)	Lump Sum	\$ 12,500.00	1	\$ 12,500.00
10	Fittings and thrust block	EA	\$ 8,500.00	0.7	\$ 5,950.00
11	Traffic Control including traffic control work, flagman, all traffic control devices, placement and removal fo devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ 20,000.00	1	\$ 20,000.00
12	12" x 6" Connection Tapping work (Wet Tapping)	LS	\$ 13,500.00	1	\$ 13,500.00
13	2" HDPE pipe	LF	\$ 98.00	670	\$ 65,660.00
14	Disconnect the existing water line form existing 12" water line on Canada-Toto Loop road	LS	\$ 4,000.00	1	\$ 4,000.00
15	Existing service water meter relocate near house	EA	\$ 1,400.00	9	\$ 12,600.00
16	As-Builts drawings	Lump Sum	\$ 5,000.00	1	\$ 5,000.00
17	Design work include survey work	Lump Sum	\$ 20,000.00	1	\$ 20,000.00
Additional work Proposal of Taison Road (TOTAL Item 1 through 17, inclusive)					\$ 558,135.00
(Please write out total bid amount in words below)					
Five Hundred Fifty Eight Thousand One Hundred Thirty Five Only					

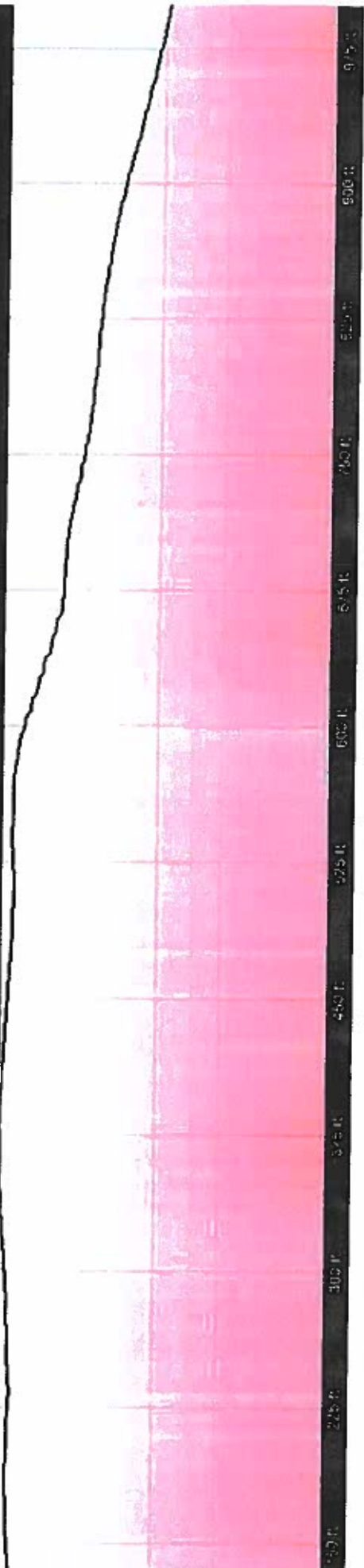

 Chung, In Chul
 Giant Construction Corp.



on Road



128.747 ft
27 ft
Elev: Gain/Loss: 17.5 ft, -10.5 ft
Max. Slope: 15.5%, 31.7%
Avg. Slope: 4.6%, 6.6%





GUAM WATERWORKS AUTHORITY

2nd Floor, Gloria B. Nelson Public Service Bldg, 688 Route 15, Mang Laca, Guam 96313

CHANGE ORDER NO. 01

Project No. & Title: M19-001-BND TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE REPLACEMENT

Contractor: Giant Construction Corporation Original Contract Approved: May 12, 2021

TO: Giant Construction Corporation

You are directed to make changes noted below in the subject contract. The changes are accepted by:

Giant Construction Corporation:



BN-CHUL CHUNG, Vice President
(Name and Title)


KENNETH M. NEKDAHL, P.E.
Duenas, Camacho & Assoc. - CM

Prepared by:

Gloria P Bensen Digitally signed by Gloria P Bensen
Date: 2021.08.16 08:49:48 +10'00'
GLORIA P. BENSAN
Project Manager Date

Recommend Approval:


BARBARA C. CRUZ, P.E. Digitally signed by Barbara C. Cruz, P.E.
Date: 2021.08.16 14:12:41 +10'00'
Acting Chief Engineer Date

Fund Source: Bond 2020 MP-PW-Pipe-12
Contract No.: 3008 OS
Vendor No.: 22557
Amount: \$16,318.00

Nature of Changes: To obtain services of Archaeological consultant to prepare background research for Blas St. and Tai Road, preparation of draft and final monitoring plans, analysis of recovered artifacts, preparation of draft and final reports, and curation of recovered archaeological materials as required by the Department of Parks and Recreation (DPR).

Enclosures: Copy of original contract, archaeological fee proposal and scope of work.

The changes result in the following adjustment of contract price and time:

Contract amount prior to this Change Order	<u>\$1,945,720.00</u>
Net (increase)(decrease) from this Change Order (subject to approved terms and conditions)	<u>\$16,318.00</u>
Current contract price including this Change Order	<u>\$1,962,038.00</u>
Contract time prior to this Change Order <u>365</u> calendar days.	
Net (increase)(decrease) resulting from this Change Order <u>0</u> calendar days from original completion.	
Current contract time including this Change Order <u>365</u> days.	

CONTRACT DATE: 05/12/2021. ALL OTHERS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. CONTRACT NO. 3008 OS.

CERTIFIED FUNDS AVAILABLE:

Taling M Taitano
Digitally signed by Taling M Taitano
Date: 2021.09.20 11:14:15 +10'00'
TALING M. TAITANO, CPA, CGFM
Certifying Officer

APPROVED AS TO FORM:


KELLY O. CLARK
General Counsel

APPROVED:


MIGUEL C. BORDALLO, P.E.
General Manager

Date: _____

Date: 9/20/2021

Date: 9.29. 2021

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN THE MATTER OF:) GWA Docket 22-04
)
 THE PETITION OF THE GUAM)
 WATERWORKS AUTHORITY TO)
 APPROVE CONTRACT CHANGE)
 ORDER NO. 2 WITH GIANT) ORDER
 CONSTRUCTION CORP. FOR THE TAI)
 ROAD/S-13 AND CANADA-TOTO)
 LOOP/BLAS STREET WATERLINE)
 REPLACEMENT PROJECT; GWA)
 PROJECT NO. M19-001-BND.)



INTRODUCTION

1. This matter comes before the Guam Public Utilities Commission [“PUC”] upon the Petition of the Guam Waterworks Authority [“GWA”] for approval of Change Order No. 2 with Giant Construction Corp. for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement Project.¹

2. Change Order No. 2 will upgrade the existing small diameter galvanized service laterals currently connected to the old 6-inch ACP line serving several homes along Taison Road, with a large 6-inch main to improve service levels, at a cost of \$558,135.00.²

3. Taison Road is a “branch road” connected to the Canada-Toto Loop. There are existing revenue meters all located at the intersection of Canada-Toto Loop/Taison

¹ GWA Petition for Approval of Change Order No. 2 with Giant Construction Corp. for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement Project, GWA Docket 22-04, filed November 18, 2021.

² Id., at p. 2.

Road. The meters are connected to the existing 6-inch ACP line and leading to long runs of 1 to 1 ¼ -inch galvanized pipe to the houses further down the road.³

BACKGROUND

4. On April 29, 2021, the PUC approved the Tai Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement and the Contract with Giant Construction Corporation.⁴
5. The PUC determined that the project was necessary to address the increasing frequency of water outages in the Canada-Toto Loop area; the project would address recurring waterline breaks along the Tai Road/S13 and Canada-Toto Loop/Blas Street. Existing meters would be disconnected from an existing 6-inch asbestos cement pipe (ACP) and then reconnected to the existing 12-inch PVC water line.⁵
6. The project would also replace old and persistently leaking 2-inch and 6-inch ACP with new polyvinyl chloride (PVC) pipe ranging from 6-inches to 12-inches in diameter, including upgrade of service laterals of various lengths.⁶
7. The PUC authorized GWA to expend up to the amount of \$2,140,292.00 for the Contract with Giant Construction Corporation.⁷

³ GWA Resolution No. 03-FY2022, Relative to Change Order No. 2 Contract Approval for the Tai/Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement Project, p. 2, adopted and approved on October 26, 2021.

⁴ PUC Order, GWA Docket 21-03, dated April 29, 2021, at p. 4.

⁵ Id., at p. 3.

⁶ Id.

⁷ Id., at p. 4.

8. After the PUC approved the Contract award, GWA Management negotiated Change Order No. 1 with Giant Construction, to obtain the services of an archeological firm to prepare the archeological research design for the Tai Road and Blas Street/Canada-Toto Loop intersection as required by the Department of Parks and Recreation/State Historic Preservation Office.⁸

9. The cost of Change Order No. 1 is \$16,318.00.⁹

10. On October 26, 2021, the CCU approved GWA Resolution No. 03-FY2022.¹⁰ GWA was authorized to expend \$558,135.00 for Change Order No. 2, subject to PUC review and approval.¹¹ Funding for the Change Order will be from 2020 Bonds under the MP-PW Pipe-12 Rehabilitation and Replacement Program funds.¹²

11. Change Order No. 2 changes the existing contract scope with Giant Construction Corporation to replace the existing 1 to 1 ¼-inch galvanized pipe along Taison Road with new 6-inch diameter PVC pipes, installs fire hydrants for fire protection, and relocates existing service water meters from the entrance of Taison Road to the front of each house.¹³

⁸ GWA Resolution No. 03-FY2022, Relative to Change Order No. 2 Contract Approval for the Tai/Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement Project, p. 2, adopted and approved on October 26, 2021, at p. 3.

⁹ Id.

¹⁰ GWA Resolution No. 03-FY2022, Relative to Change Order No. 2 Contract Approval for the Tai/Road/S13 and Canada-Toto Loop/Blas Street Waterline Replacement Project, p. 2, adopted and approved on October 26, 2021.

¹¹ Id., at p. 2.

¹² Id., at p. 3.

¹³ Id., at p. 2.

DETERMINATIONS

12. After the PUC approved the initial project with Giant, it became apparent to GWA that the project did not include Taison Road, a branch road connected to the Canada-Toto Loop having existing revenue meters all located at the intersection of Canada-Toto/Taison Road.¹⁴
13. The Taison Road Revenue meters were connected to the existing 6-inch ACP line and leading to long runs of 1 to 1 ¼ -inch galvanized pipe to the houses further down Taison Road.¹⁵
14. This configuration of service lateral connection to residents along Taison Road resulted in water flow and pressure issues which would not be improved by the original scope of construction of the water line replacement at the Canada-Toto Loop.¹⁶
-
15. On August 13, 2021, Giant Construction Corp. submitted a proposal for the Taison Road 6-inch PVC waterline and service lateral and connection work to GWA. The Taison Road Waterline Project was approved by GWA's consultant, Duenas, Camacho & Associates ["DCA"]. DCA indicated that the Giant proposal was in response to additional requirements GWA had under the original bid project to

¹⁴ Id.

¹⁵ Id.

¹⁶ Id.

install new 6-inch waterline along Taison Road and to replace existing 2-inch waterline. DCA Inc. recommended approval of Change Order No. 2.¹⁷

16. A copy of the Giant Construction proposal for Change Order No. 2 is attached to the ALJ Report as Exhibit "1".

17. While Change Order No. 2, and the Taison Road work, expand the scope of the original bid, such works appears to be entirely consistent with the intent of the original bid. Taison Road is a "branch road connected to the Canada-Toto Loop." However, if Taison Road is not included in the project, water flow and pressure issues will not be improved for the residents of Taison Road in accordance with the original scope of construction of the waterline replacement at Canada-Toto Loop.

18. The work under the proposed change order is consistent with the original scope of the project. The parties are also authorized to negotiate change orders under the project.

19. GWA's consultant, DCA, approved Change Order No. 2 as being consistent with the original scope of the project.

20. For the same reason set forth by the PUC in its Order approving the original project in GWA Docket 21-03, Change Order No. 2 should also be approved: these Taison Road breakage and pressure issues remain and cannot be addressed under the prior and initial scope of construction.

¹⁷ CCU Resolution No. 03-FY2022, at Exhibit A.

21. Serious water and pressure issues have caused problems for the customers in the area, including Taison Road. The PUC found that these issues should be addressed as soon as possible, and that the project was also consistent with the PUC-GWA goal of reducing non-revenue water loss, as well as to improve the system where service delivery has been below standard.¹⁸
22. Including Change Orders No. 1 and No. 2, the total approved contract amount would now be \$2,520,173.00.

ORDERING PROVISIONS

Upon consideration of the record herein, the Petition of GWA for Approval of Change Order No. 2 with Giant Construction Corporation, the ALJ Report, and for good cause shown, on motion duly made, seconded, and carried by the affirmative vote of the undersigned Commissioners, the Commission hereby **ORDERS** that:

1. Change Order No. 2 for the Taison Road waterline and service lateral and connection work is approved.
2. GWA is authorized to expend up to the amount of \$2,520,173.00 for the Contract with Giant Construction Corporation.
3. As to the additional cost of \$558,135.00 for Change Order No. 2, the usual cost contingency of 20% indicated in GWA's Contract Review Protocol shall apply.

¹⁸ PUC Order, GWA Docket 21-03, dated April 29, 2021, at p. 4.

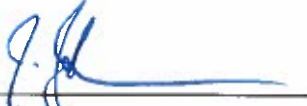
4. GWA shall file an executed copy of Change Order No. 2 with the PUC when completed.

5. GWA is ordered to pay the Commission's regulatory fees and expenses, including, without limitation, consulting and counsel fees and the fees and expenses of conducting the hearing proceedings. Assessment of PUC's regulatory fees and expenses are authorized pursuant to 12 GCA §§12103(b) and 12125(b), and Rule 40 of the Rules of Practice and Procedure before the Public Utilities Commission.

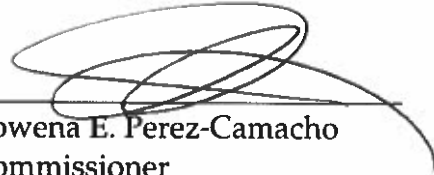
[SIGNATURES TO FOLLOW ON NEXT PAGE]

Order
Approval for Contract Change Order No. 2
with Giant Construction Corporation
GWA Docket 22-04
December 2, 2021

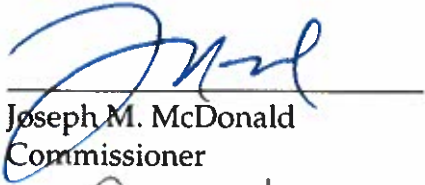
Dated this 2nd day of December 2021.



Jeffrey C. Johnson
Chairman

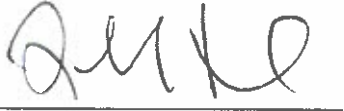


Rowena E. Perez-Camacho
Commissioner



Joseph M. McDonald
Commissioner

Michael A. Pangelinan
Commissioner



Peter Montinola
Commissioner



Doris Flores Brooks
Commissioner

Pedro S.N. Guerrero
Commissioner



September 21, 2022

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

Attn: Jessey Mendiola, Project Manager, Guam waterworks Authority

Via: Email: jmendiola@guamwaterworks.org

Ref: Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement.
Project No. M19-001-BND

Subject: Change Order # 03 Recommendations for Various Items

Hafa Adai,

This letter is to provide the Resident Project Representatives (RPR) response to Giant Construction's (contractor) subject change order request. This letter is provided to present the contractor's fee and justification for work. DCA has evaluated the cost proposal against on the original bid prices and found to be fair and correct. Recommended Change Order #3 is composed 14 items as listed below.

1. Blas Street – Fire Hydrant Removal at Wetland (RFI #1)
2. Provide ARV at end of Tai Road (RFI #3)
3. Install additional 1 ea. -ARV at Blas Street Sta. 0 + 10 (RFI #4)
4. Changing from 12" x 2" lateral to 6" waterline at Sta. 5+79.66, Chalan Paderon at Canada Toto Loop (RFI #5 and RFI #11)
5. Replacement of existing laterals already connected to 12-inch main waterline (RFI #6)
6. Missing 1ea.- 12-inch Gate Valve (RFI #7)
7. Bid Form Qty is not enough. SOW -1" service lateral for Canada/Toto Loop (RFI #8)
8. Additional 3ea.-service lateral near the 3-way. Not in Scope of Work (RFI #9)
9. Install 11.25 degree Elbow for Tie-ins at Blas St/Canada-Toto Loop (RFI #12)
10. Install Blow Off Valve at Sta. 35 + 00 Tai Road (RFI #18)
11. Difference of CO#2 for Taison Road from \$558,135.00 to \$560,968.00
12. SEARCH Archaeological Monitoring Invoice # S211448-03
13. SEARCH Archaeological Monitoring Invoice # S211448-04
14. GRT and Overhead for CO #1- Archaeological Monitoring Plan

1. Blas Street – Fire Hydrant Removal at Wetland (RFI #1)

- On the intent to avoid construction on the approximate wetlands areas DCA inquire DOR the following:

- Delete the scope of work of removing the existing fire hydrant within the wetland area, and abandon it in place along with the existing 6" waterline.
- Reroute the 27 LF of 1" service lateral away from the wetland limit.
- Relocate the blow off valve away from the wetland limit.

DOR responded that he is open to other options to remove the top half of the fire hydrant and then abandon at the base, with the hope that this work would not require any USACE permit.
(See Attachment #1)

Cost proposal #01 Amount.....\$0.00
Giant Construction will do it at no additional cost.

2. Provide ARV at end of Tai Road (RFI #3)

An Air Relief Valve was not included by the DOR due to the location of the fire hydrant and the hydrant serving as a way to relieve any air in the water line if the hydrant had periodic cycling conducted. After EOR consulted with GWA Operations, they would prefer that an ARV be installed regardless of the hydrant cycling. (See Attachment #2)

Cost proposal #02 Amount.....\$0.00
Giant Construction billed this under Billing #07 unit rate.

3. Install additional 1 ea. – ARV at Blas Street Sta. 0 + 10 (RFI #4)

30" diameter storm drain culverts were encountered on site at 2 locations within Sta. 1+66 to Sta. 0 +55. Due to this unforeseen site condition, the new waterline needed to be installed deeper passing underneath these culvert. With this site condition and with the coordination in between Contractor, CM & GWA, a new ARV was installed at high point location close to Sta. 1 +59. The question was ask to the EOR if ARV near the Canada-Toto Loop Road requires to remain. EOR responded that ARV needs to remain and installation at approximately 0 + 10 appears to be acceptable after a site visit was conducted.

(See Attachment # 3)

Cost Proposal #03 Amount.....\$ 5,500.00

4. Changing from 12" x 2" lateral to 6" waterline at Sta. 5+79.66 Chalan Paderon at Canada Toto-Loop

The drawing shows a 4" waterline with 2" connection. There is no bid schedule on this item. Giant Construction installed 12" x 4" tapping tee with 4" tapping valve. As the excavation progresses, it was found that the actual waterline is 6". Giant Construction removed the previously installed 12" x 4" tapping tee, and the tapping valve and replaced it with 12" x 6" tapping tee and 6" tapping valve. The work was performed during GWA shut off the 12" waterline for tie-ins at Canada Toto-Loop and Blas Street on July 8, 2022, at 7:00 pm – July 9, 2022, at 4:00 am. The outstanding work is disinfection and sampling.

This CCR will provide payment for the additional labor, materials, and equipment to complete the installation from 4" waterline to 6" waterline to the existing 12" main waterline connection.

(See Attachment # 4)

Cost Proposal #03 Amount \$34,617.87

5. Replacement of existing laterals already connected to 12-inch main waterline (RFI #6)

Based on drawing C-028 and C-029, Giant Construction was to connect the meters on that location to the 12" main waterline. Additionally, Giant Construction discovered that there is a meter within the property line (Sta. 31 + 50.00) which was not on plan. However, Giant Construction found through excavation, that three stations (Sta. 31 + 50.00, Sta. 33 + 56.57, and Sta. 38 + 55.25) were already connected to the 12" main waterline and did not find the need to replace the existing laterals. However, from DCA point of view, the existing laterals are not in the best condition.

GWA responded that since the laterals in place are weathered we will move forward with replacing the existing laterals.

Related to the RFI, Giant Construction actually reconnected 22 ea – ¾" single meter but the bid quantity is 19 ea. Also, actual reconnected ¾" double meter is 1 ea but the bid quantity is 7 ea.

(See Attachment #5)

Base Bid Description: Tai Road and Canada-Toto Loop Work

Bid Item	Description	Unit	Unit Price	Bid Qty	Actual Qty	Bid Amount	Actual Amount	Additive
13	Reconnection of ¾" Single meter installation on 12-inch Water Main	Ea.	\$2,920.00	19	22	\$55,480.00	\$64,240.00	\$8,760.00
15	Reconnection of ¾" Dual or Multi- meter installation on 12-inch Water Main	Ea	\$2,980.00	7	11	\$20860.00	\$32,780.00	\$11,920.00
Additional amount of existing lateral replacement.....								\$20,680.00

Cost Proposal Amount #05 Amount.....\$20,680.00

6. Missing 1 EA-12-inch Gate Valve (RFI #7)

Bid item No. 7-12" gate valve shows a quantity of 4 ea. but the actual quantity is 5 ea.

- Drawing C-026 Sta. 12+07.69 at tie-ins Blas Street and Canada Toto Loop Road = 2 ea.
- Drawing C-029 Sta. 41+46.27 at Chapel Road near Canada Store = 1 ea.
- Drawing C-014 Sta. 0+00 tie-ins Route 10 and Tai Road = 2 ea.

(See Attachment #6)

Base Bid Description: Tai Road and Canada-Toto Loop Work

Bid Item	Description	Unit	Unit Price	Qty	Actual Qty	Bid Amount	Actual Amount	Additive
7	12" Gate Valve RFI #7	Ea	\$5,000.00	4	5	\$20,000.00	\$25,000.00	\$5,000.00

Cost proposal #04 Amount\$5,000.00

7. Bid Form Qty is not enough. SOW -1" service lateral (RFI #8)

The bid schedule of Blas Street Pay Item No. 5 shows 1" service lateral line is 142 LF but the actual installed was 175 ft. Additional length of 33 LF will be added to the bid schedule. The length was verified by Giant Construction and was witnessed by DCA junior inspector. (See attachment # 7)

Additive Bid #2: Blas Street Work

Bid Item	Description	Unit	Unit Price	Qty	Actual Qty	Bid Amount	Actual Amount	Additive
5	1" Service Line	LF	\$60.00	142	175	\$8,520.00	\$10,500	\$1,980.00

Cost proposal #05 Amount.....\$1,980.00

8. Additional 3EA-service lateral near 3-way. Not in Scope of Work (RFI #9)

The installation of additional 3 ea.- service lateral broken down into 1 ea – 1” service line reconnection of ¾ single meter installation on 12” main waterline and 1 ea – 1-1/2” service line of ¾ dual meter installation on 12” main waterline. (See attachment # 8)

Cost proposal # 06 Amount\$ 11,833.00

9. Install 11.25 degree Elbow for Tie-ins at Blas St/Canada-Toto Loop (RFI #12)

On June 24, 2022, a water outage was scheduled for the tie-ins at Blas Street and Canada-Toto Loop starting at 8:00 PM – 5:00 AM. On June 24, 2022 at 3:00 AM Giant started to excavate the 12-inch water main line along Canada-Toto Loop at Sta 12+07.69. When they excavated the connection point the contractor found 12” x 11.25 degree Ductile Iron elbow on 12’ PVC waterline Sta. 12+07.69. Due to this different site condition the water outage was cancelled.

This cost proposal is to provide a 12” x 11.25 degree bend, additional 12” PVC pipe AWWA C-900, cement for thrust block, excavation/backfill, flowable fill, bedding materials, asphalt pavement materials, and additional time for equipment and labor. (See Attachment # 9)

Cost proposal #07 Amount \$7,910.00

10. Install Blow Off Valve at Sta 35 + 00 Tai Road (RFI #18)

As per existing condition Sta. 35 + 00 is located on the lowest point at Tai Road. Installation of the blow off valve was approved by GWA on Sept. 13, 2022. The proposed amount was compared to the original contract amount and found to be in excess of \$576.90. The additional amount is due to the increase of material cost and handling which are beyond Giant Construction control. (See Attachment #10).

Cost Proposal # 10 Amount\$5,776.90

11. Difference of CO#2 for Taison Road from \$560,968.00 to \$558,135.00

The original Cost proposal recommendation letter was submitted to Gloria Bensen on August 16, 2021 before she retires on August 29, 2021, in the total amount of \$558,135. At that time there was no approved drawing to base the quantities from. Giant Construction used the image taken from Google Earth to count the number of houses in that area.

Upon completion of the design drawing the revised contract amount was \$560,968.00. The additions/deletions between the quantities with and without drawings are listed in the tabulation below. The difference is \$2,833.00 (See Attachment #11)

Item No.	Description	Qty Without Drawing	Quantity With Drawing
4	1” Service Line	325 LF	230 LF
4.1	1.5” Service Line	0 LF	109 LF
5	Reconnection of ¾” Single Meter		

	Installation on 6-inch water main	24 EA	17 EA
5.1	¾" Double Meter	0 EA	8 EA
7	2" Permanent Blow-Off Assembly	1 EA	2 EA
13	2" HDPE Pipe	670 LF	0 EA

On the tabulation above the quantities with drawings are as follows:

- 1" Service Line - deleted 95 LF
- 1.5" Service Line – added 109 LF
- ¾" Single Meter Reconnection – added 17 EA
- ¾" Double Meter Installation – added 8 EA
- 2" Permanent Blow-Off Assembly – added 1 EA
- 2" HDPE Pipe – deleted 670 LF

Cost Proposal #08 Amount\$2,833.00

12. SEARCH Archaeological Monitoring Invoice #S21148-03

This Invoice No. S21148-03 is for archaeological monitoring conducted at Blas Street and Canada-Toto Loop during the period from August 27, 2021 to April 22, 2022. (See Attachment #12)

Monitoring Hours = 223.30 hr @ \$150/hr.....\$33,495.00

Bonding 2.85% 954.61

GRT 5.263% 1,813.08

Total Amount for Invoice # S21148-03.....\$36,262.69

13. SEARCH Archaeological Monitoring Invoice No. S21148-04

This Invoice No. S21148-04 is for archaeological monitoring conducted at Canada Toto Loop during the period from April 23, 2022 to July 8, 2022 (See Attachment #13).

Monitoring Hours.....273.20 hr @ \$150/hr\$40,980.00

Bonding Fee 2.85%.....1,167.93

GRT 5.263%.....2,218.24

Total Amount for Invoice No. S21148-04.....\$44,366.17

14. GRT and Overhead for CO #1- Archaeological Monitoring Plan

GRT and Overhead executed in CO#1 was not included.

The GRT and OH for CO #1 –Archaeological Monitoring Plan Fee in the amount of \$1,631.80

(See Attachment #14)

Recommendations:

DCA evaluated the fourteen (14) Cost proposals listed on the table below against the existing unit rates of the contract. After several negotiations and careful comparison on the cost proposal, supported by email correspondence (see attached) found that the cost proposals were fair and reasonable.

DCA recommends that Change Order #03 be awarded to Contractor with the total lump sum amount of **One Hundred Seventy Eight Thousand Three Hundred Ninety One and 43/100 only (\$178,391.43).**

1. Blas Street – Fire Hydrant Removal at Wetland (RFI #1)	\$00.00
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2. Provide ARV at end of Tai Road (RFI #3). Already billed under Billing #07 unit rate	\$00.00
3. Install additional 1 EA ARV at Blas Street Sta 0 + 10 (RFI #4)	\$ 5,500.00
4. Changing from 12" x 2" lateral to 6" waterline (RFI #5 and RFI #11)	\$34,617.87
5. Replacement of existing laterals already connected to 12" main (RFI #6)	\$20,680.00
6. Missing 1 EA-12-inch GV (RFI # 7)	\$5,000.00
7. Bid Form Qty is not enough. SOW -1" service lateral (RFI#8) Bid Quantity =142 LF Actual installed = 175 LF Additional 33 LF @ \$60.00/LF=\$1,980.00	\$1,980.00
8. Additional 3EA-service lateral near 3-way. Not in Scope of Work (RFI #9)	\$11,833.00
9. Install 11.25 degree Elbow for Tie-ins at Blas St/Canada-Toto Loop (Different Site Condition) (RFI #12)	\$7,910.00
10. Install Blow Valve at Sta. 35 + 00 (RFI #18)	\$5,776.90
11. Difference of CO#2 for Taison Road from \$560,968.00 to \$558,135.00	\$2,833.00
12. SEARCH Archaeological Monitoring Invoice #1	\$36,262.69
13. SEARCH Archaeological Monitoring Invoice #2	\$44,366.17
14. GRT and Overhead for CO#1 Archaeological Monitoring Plan	\$1,631.80
Total Recommended CO #03	\$178,391.43

Regards,



Kenneth M. Rekdahl, PE
Dueñas, Camacho and Associates
Resident Project Representative

Att:
Supporting Information