

1 **GUAM CONSOLIDATED COMMISSION ON UTILITIES**

2 **RESOLUTION NO. 18-FY2017**

3 **RELATIVE TO APPROVAL OF THE ROUTE 1 (ASAN-ADELUP-HAGATNA) SEWER**  
4 **REHABILITATION ASAN SEWER BREAK REPAIR CONTRACT WITH PACIFIC**  
5 **RIM CONSTRUCTORS, INC. PROJECT S15-002-EPA**

6  
7 **WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities  
8 (“CCU”) has plenary authority over financial, contractual and policy matters relative to the  
9 Guam Waterworks Authority (“GWA”); and

10  
11 **WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation  
12 established and existing under the laws of Guam; and

13  
14 **WHEREAS**, GWA has received a grant from USEPA under the State Revolving Fund  
15 program to improve the sewer collection system, which included gravity sewer line along Route  
16 1, from the Asan “War in the Pacific” National Historical Park to the Agana Main Pump Station;  
17 and

18  
19 **WHEREAS**, the stretch of gravity sewer line indicated is deteriorating and has  
20 experienced collapses in a number of locations to include 88 linear feet of existing 18-inch  
21 diameter gravity sewer line near Harley-Davidson and 130 linear feet of existing 18-inch  
22 diameter gravity sewer line in front of the War in the Pacific Park, and the intent of this project is  
23 to rehabilitate, repair or replace these collapsed sections; and

24  
25 **WHEREAS**, GWA and USEPA agree that efforts to rehabilitate, repair or replace these  
26 sewer line are necessary to properly maintain and operate the sewer collection system; and

27  
28 **WHEREAS**, GWA has advertised the Invitation to Bid (IFB-01-ENG-2017) soliciting  
29 bid proposals from experienced and responsive bidders to repair and/or replace segments of  
30 gravity sewer lines for the Route 1 (Asan-Adelup-Hagatna) Sewer Rehabilitation Asan Sewer  
31 Break Repair Project; and  
32

1           **WHEREAS**, this phase of work consists of furnishing all labor, tools, equipment and  
2 materials, as well as coordination efforts with GWA, DPW, etc., that are necessary; and

3  
4           **WHEREAS**, Invitation for Bid (IFB) packages were obtained by multiple interested  
5 parties, from which GWA received bid proposals from four (4) parties (see EXHIBIT A –  
6 Abstract of Bids) before the bid proposal deadline; and

7  
8           **WHEREAS**, GWA reviewed the bid package from the apparent lowest bid, Propacific  
9 Builder Corporation, and subsequently determined the bid submitted by Propacific Builder  
10 Corporation was non-responsive after which GWA transmitted a disqualification letter dated  
11 December 29, 2016 (See EXHIBIT B); and

12  
13           **WHEREAS**, GWA entertained a meeting request from Propacific Builder Corporation as  
14 a result of the disqualification letter to explain their bid proposal but which further clarified to  
15 GWA that Propacific Builder Corporation did not follow the instruction of the bid process which  
16 was why GWA believed their bid price was substantially lower than all other bidders; and

17  
18           **WHEREAS**, GWA did receive a protest letter from Propacific Builder Corporation dated  
19 January 23, 2017 to the disqualification letter dated December 29, 2016 which GWA then issued  
20 a “Notice of Decision” letter dated January 24, 2017 (See Exhibit C) stating essentially that any  
21 protest to GWA regarding the bid should have been received by January 13, 2017 and as such  
22 GWA will not stay the procurement proceedings; and

23  
24           **WHEREAS**, GWA obtained assistance from the Design Engineer of Record (EOR) to  
25 review/evaluate the next lowest bid proposal received (see EXHIBIT D – Evaluation) and  
26 determined that Pacific Rim Constructors, Inc. (“PRC”) submitted a responsive and responsible  
27 bid and met all the bid requirements set forth by GWA; and

28  
29           **WHEREAS**, the basis of award for this project consists of the base bid to rehabilitate and  
30 replace the 88 linear feet of collapse gravity sewer line near Harley-Davidson, and the additive  
31 bid to rehabilitate, repair or replace other sections within the project boundary where a collapse  
32 or suspected collapse has occurred; and

1           **WHEREAS**, GWA Management seeks approval of PRC's bid proposal (See Exhibit E)  
2 in the amount of Seven Hundred Fifty-Seven Thousand Three Hundred Two Dollars  
3 (\$757,302.00) for the base bid, and One Million Seven Hundred Thirteen Thousand Three  
4 Hundred Fifty-Six Dollars (\$1,713,356.00) for the additive bid, for a total basis of award amount  
5 of Two Million Four Hundred Seventy Thousand Six Hundred Fifty-Eight Dollars  
6 (\$2,470,658.00); and

7  
8           **WHEREAS**, funding for this project will be from USEPA Grant Funds; and

9  
10           **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
11 does hereby approve the following:

- 12           1. The recitals set forth above hereby constitute the findings of the CCU.
- 13           2. The CCU finds that the terms of the fee proposal submitted by PRC are fair and  
14 reasonable.
- 15           3. The CCU finds that the terms of the conditions set by GWA relative to  
16 commencement of work activities are fair and reasonable and serve as a measure  
17 of Quality Assurance/Quality Control (QA/QC).
- 18           4. The CCU hereby authorizes the management of GWA to enter into a contract  
19 with PRC in the amount of Seven Hundred Fifty-Seven Thousand Three Hundred  
20 Two Dollars (\$757,302.00) for the base bid, and One Million Seven Hundred  
21 Thirteen Thousand Three Hundred Fifty-Six Dollars (\$1,713,356.00) for the  
22 additive bid (Exhibit E).
- 23           5. The CCU hereby further approves the total authorized funding amount for the  
24 basis of award for this project to a maximum of Two Million Four Hundred  
25 Seventy Thousand Six Hundred Fifty-Eight Dollars (\$2,470,658.00).

26  
27           **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption  
28 of this Resolution.

29 //

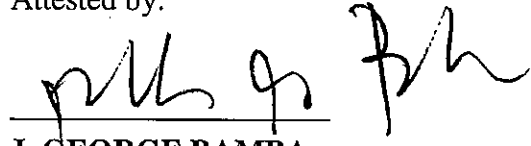
30  
31 //

1 **DULY AND REGULARLY ADOPTED**, this 21<sup>st</sup> day of February, 2017.

2  
3 Certified by:

Attested by:

4 

5   
6 **J. GEORGE BAMBA**  
7 Secretary

8 **JOSEPH T. DUENAS**  
9 Chairperson

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

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

14 AYES:

4

15 NAYS:

0

16 ABSTENTIONS:

1

17 ABSENT:

0

ORIGINAL

Exhibit A (1 of 1)

GUAM WATERWORKS AUTHORITY  
ABSTRACT OF BIDS

Bid Opening Date: December 16, 2016  
Bid Opening Time: 3:00 pm

Project Name: ROUTE 1 SANITARY SEWER REHABILITATION AND REPLACEMENT (ASAN-ADELUP-HAGATNA)  
ASAN SEWER BREAK REPAIR  
Project Number: S15-002-EPA; IFB-01-ENG-2017

Bidders Name	Section A-5 Bid Bond	CERTIFICATIONS										BASE BID	ADDITIVE BID	BASE BID + ADDITIVE BID	
		Bidder Qualification Form	Non-Collusion Affidavit	EEO Certification	Non-Segregated Facilities	Sex Offender Certification	Wage & Benefit Determination	Major Shareholders Affidavit	Special Instructions to Bidders	Addendum					
										1	2				
1. PERNIX	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
2. RELIABLE BUILDERS, INC.	-														
3. REX INTERNATIONAL INC.	Doyle Insurance Company, LTD 15% of total Bid Amount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$1,846,000	\$2,712,000.00	
4. GIANT CONSTRUCTION CORP.	Doyle Insurance Company, LTD 15% of total Bid amount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$1,880,400	\$2,609,180.00	
5. PROPACIFIC BUILDER CORP.	Endurance Insurance Corporation America, 15% of total Bid Amount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$702,600	\$8754,990.00	
6. PACIFIC RIM CONSTRUCTORS, INC.	Inshore Industry Inc. 15% of Bid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$1,715,356	\$2,470,658.00	
7. CHI CONSTRUCTION INC.	-														
GWA Estimate													\$421,543	\$1,480,717	\$1,902,260.00

Bids Opened and Read by:  
**GIORGIA BENSON**  
 (Name and Signature)

Tabulated By:  
 George Wilson  
 (Name and Signature)

GWA Procurement Representative:  
**Victoria Heacoco**  
 (Name and Signature)

Witnesses:  
 [Signatures]

# Exhibit B (1 of 2)



## GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913  
P.O. Box 3010, Hagatna, Guam 96932  
Tel. No. (671) 300-6846

December 29, 2016

Jean Yeon Yu  
President  
Propacific Builder Corporation  
750 Route 8  
Suite 202, Hanam Plaza  
Barrigada, Guam 96913

Re:               Route 1 Sanitary Sewer Rehabilitation and Replacement (Asan-Adelup-Hagatna)  
                    Asan Sewer Break Repair  
                    GWA Project No. S15-002-EPA

Hafa Adai Ms. Yu,

We regret to inform you that your bid proposal for the above referenced project has been deemed to be non-responsive pursuant to Section 1, subsections 1-21, 1-22, and 1-23 of the bid as well as 5 G.C.A. § 5201(g) and (h), 2 GAR 3109(n)(2) and 2 G.A.R. § 3115(e) and non-responsive under 2 GAR § 3116, as well as other provisions of the Guam Procurement Code not listed herein. Thus, your bid is hereby rejected and will not be considered for award. The Guam Waterworks Authority (GWA) decision was based on the following factor:

**1. Unrealistically Low Price.**

After in-depth analysis, GWA determined that your bid was not responsive in accordance with Section 1 - Bid Submission Requirements, Paragraph 1-21. Disqualification of Bidders items (b) and (c). Propacific Builder Corporation's (Propacific) proposal for this solicitation was \$252,390 for Base Bid and \$702,600 for Additive Bid for a total combined bid amount of \$954,990.00 which was used to evaluate the basis for award. Both the Base and Additive bids submitted by Propacific are unusually and unreasonably low at 50.2 % of GWA's total estimate of \$1,902,260.


Therefore, because the bid submitted by Propacific for this procurement is non-responsive, GWA will not award the project to Propacific. It is in the best interest of the Guam Waterworks Authority to the lowest responsive and responsible bidder. Should you have any questions

## Exhibit B (2 of 2)

pertaining to this rejection, please submit them in writing to the person stated in the bid documents within three days (3) after receipt of this letter.

Please keep in mind that this determination will not affect the ability of Propacific to submit bids on future Guam Waterworks Authority projects.

Sincerely,



MIGUEL C. BORDALLO, P.E.  
General Manager

cc: GWA Legal Counsel

MCB;gb *FC*

# Exhibit C (1 of 1)

COPY

## GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913  
P.O. Box 3010, Hagatna, Guam 96932  
Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

January 24, 2017

### VIA HAND DELIVERY

Mr. Jean Yeon Yu  
President  
Propacific Builder Corporation  
P.O. Box 7446  
Tamuning, GU 96931

### NOTICE OF DECISION

Re: GWA's Decision regarding Propacific Builder Corp.'s January 23, 2017 Protest of Rejection of Bid; GWA Project No. S15-002-EPA Route 1 Sanitary Sewer Rehabilitation and Replacement (Asan-Adelup-Hagatna) Asan Sewer Break Repair


Dear Mr. Yu:

Pursuant to 5 G.C.A. § 5425(a) the right of Propacific Builder Corporation ("PBC") to protest GWA's decision to reject PBC's bid on the aforementioned project has expired. It is GWA's position that the 14-day statutory period to file PBC's protest remained open until January 13, 2017. The protest is also denied on the grounds that PBC's bid was non-responsive as set forth in the 12/29/16 letter from GWA.

Due to the PBC protest being untimely, GWA will not stay the procurement proceedings.

PBC has the right to seek administrative and judicial review.

Sincerely,

  
Miguel C. Bordallo, P.E.  
General Manager

MCB/koc 

**RECEIVED**



1/24/17

2:56 pm.





## Exhibit D (1 of 5)

February 9, 2017

Mr. Thomas F. Cruz, PE  
Chief Engineer  
The Guam Waterworks Authority  
Engineering Division  
Gloria B. Nelson Public Service Building  
688 Rt. 15  
Mangilao, Guam 96913

SUBJECT: Route 1 Sewer Line Rehabilitation and Replacement (Asan-Adelup-Hagatna), Asan Sewer Break Repair, GWA Project No. S15-002-EPA – Clarification of Bid Award and Bid Tabs

Dear Mr. Cruz,

HDR provided a letter dated December 30, 2016 for the Asan Sewer Break Repair project outlining the results of the bid submissions, the various erroneous items that were found in the bids submitted and we provided a recommendation for award based upon this evaluation. Additionally, it was noted in this letter that there was an error made on the bid schedule for line item 40, where no quantity was provided on the bid schedule, therefore a clarification was provided as to what HDR did when the comparison was made on all of the bidders bid schedules. This information was provided to GWA in both that letter, as well as the bid tab calculations.

Now that GWA intends to award the base bid + additive items (Basis of Award) to Pacific Rim Constructors, Inc., this letter is acting to serve as clarification to the total bid award amount for Pacific Rim Constructors, Inc.

Since HDR used a quantity of "0" to compare all bidders for Item 40 and as explained in our December 30, 2016 letter, we would like to provide clarification that the total bid amounts as described and tabulated in this HDR letter, is less than the amount that was tabulated by Pacific Rim Constructors, Inc. for their bid and as read during the bid opening. Pacific Rim Constructors, Inc. assumed a quantity of "1" in their bid schedule submission, therefore their total bid amount as tabulated and read at the bid opening is shown below in the table:

	Base Bid	Additive Bid	Base Bid + Additive Bid Total
Pacific Rim Constructors, Inc.	\$757,302.00	\$1,713,356.00	\$2,470,658.00

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T 671.989.5558 F 671.989.5557

## Exhibit D (2 of 5)

If you should have further questions, please feel free to call me at 989-5558.

Sincerely,

HDR Engineering, Inc.

A handwritten signature in blue ink, appearing to read "Nick Manley", written over a light blue horizontal line.

Nick Manley  
*Project Manager*

# Exhibit D (3 of 5)



December 30, 2016

Mr. Thomas F. Cruz, PE  
Chief Engineer  
The Guam Waterworks Authority  
Engineering Division  
Gloria B. Nelson Public Service Building  
688 Rt. 15  
Mangilao, Guam 96913

SUBJECT: Route 1 Sewer Line Rehabilitation and Replacement (Asan-Adelup-Hagatna),  
Recommendation of Bid Award, GWA Project No. S15-002-EPA

Dear Mr. Cruz,

HDR has reviewed the four (4) bid submissions submitted for the Asan Sewer Break Repair from the following construction contractors:

1. ProPacific Builder Corporation
2. Pacific Rim Constructors, Inc.
3. Giant Construction Corporation
4. Rex International, Inc.

All bid submissions included all of the required bidding forms to be submitted as part of the bid package as described on the procurement checklist that was included with the solicitation. However there were two items noted for further review:

1. Pacific Rim Constructors did not include a financial statement in the bid, but stated it could be provided as needed.
2. ProPacific Builder Corporation and Rex International, Inc. have not determined who their required Disadvantaged Business Enterprise (DBE) subconsultants are going to be and the amount of contract value that will be going to them to determine that they meet the percentages that GWA has determined and as listed in the solicitation.

Prior to the bid opening and during the course of providing an updated engineer's cost estimate, it was noticed that a quantity was missing for line item 40 on the proposal bid schedule. HDR notified Gloria Bensen of this mistake; however it was too late to issue an addendum in time to the contractors. I only mention this, because in the course of review of the bid proposal schedules, there were some contractors that assumed a quantity of zero (0) and others that used a quantity of one (1). For those that

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## Exhibit D (4 of 5)

used a quantity of one (1), that line item cost value was removed from their bids and is reflective on the attached bid tabulation and shown below in the table of revised.

Additionally, the following cost deficiencies were found in the bid proposals:

As submitted by Pacific Rim Constructors, Inc.:

1. There were some minor calculation errors in what the unit cost price times the quantities resulted in for a total cost as compared to what was placed on the bid schedule. This resulted in amounts that were \$1.00 or less per line item. The unit cost would still be the same in all of these cases; therefore the unit costs were multiplied by the quantity to get the total cost as shown on the bid tab. There were some significant cost deficiencies as described below.
2. Proposal Bid Schedule Line Item 2, the unit cost is shown to be \$3,493.76/LF for a quantity of 134 LF and a total cost of \$468,163.84, which the bid schedule shows \$381,970 for a difference of \$86,193.84. The unit cost value was held as correct, resulting in the revised total cost of \$468,163.84 to be used as shown in the bid tab.
3. Proposal Bid Schedule Line Item 11, the unit cost is shown to be \$189.43/LF for a quantity of 134 LF and a total cost of \$25,383.62, which the bid schedule shows \$26,454 for a difference of \$1,070.38. The unit cost value of \$25,383.62 was held as correct, resulting in the revised total cost of \$25,383.62 to be used in the bid tab.
4. Proposal Bid Schedule Line Item 13, the unit cost is shown to be \$569.67/SY for a quantity of 82 SY and a total cost of \$46,712.94, which the bid schedule shows \$52,417 for a difference of \$5,704.06. The unit cost value was held as correct, resulting in the revised total cost of \$46,712.94 to be used in the bid tab.
5. Proposal Bid Schedule Line Item 18, the unit cost is shown to be \$106.27/LF for a quantity of 134 LF and a total cost of \$14,240.18, which the bid schedule shows \$16,446 for a difference of \$2,205.82. The unit cost value was held as correct, resulting in the revised total cost of \$14,240.18 to be used in the bid tab.
6. Proposal Bid Schedule Line Item 23, the unit cost is shown to be \$59.30/LF for a quantity of 134 LF and a total cost of \$7,946.20, which the bid schedule shows \$8,858 for a difference of \$911.80. The unit cost value was held as correct, resulting in the revised total cost of \$7,946.20 to be used in the bid tab.

As submitted by Giant Construction Corporation:

1. Proposal Bid Schedule Line Item 18, the unit cost is shown to be \$180.00/LF for a quantity of 88 LF and a total cost of \$15,840, which the bid schedule shows \$54,840 for a difference of \$39,000. The unit cost value was held, resulting in the revised total cost of \$15,840 to be used in the bid tab.
2. Proposal Bid Schedule Line Item 37, the unit cost is shown to be \$300.00/LF for a quantity of 222 LF and a total cost of \$66,600, which the bid schedule shows \$66,000 for a difference of \$600. The unit cost value was held, resulting in the revised total cost of \$66,600 to be used in the bid tab.

# Exhibit D (5 of 5)

With the removal of Line Item 40 altogether out of everyone's bids, the revised bid summary is the following:

	ProPacific	Pacific Rim	Giant Const. Corp.	Rex International, Inc.
Base Bid	\$252,390.00	\$757,302.00	\$689,780.00	\$866,000.00
<b>Base Bid + Additive Bids (Basis of Award)</b>	<b>\$954,990.00</b>	<b>\$2,462,089.40</b>	<b>\$2,566,680.00</b>	<b>\$2,712,000.00</b>
Base Bid + Alternative Bid #1	556,690.00	1,525,845.18	1,080,080.00	1,024,800.00
Base Bid + Alternative Bid #2	576,210.00	1,525,896.21	1,336,100.00	1,407,000.00

Despite the cost discrepancies with both Pacific Rim Constructors and Giant Construction Corporation on their respective bid tabs, the Basis of Award total as seen above, still ranks the bidders in the same order as during the bid opening.

The basis of award was the base bid plus the additive bids, which results in the lowest bidder to be ProPacific Builder Corporation. The bid amount was significantly lower than the engineer's estimate and also significantly lower than all of the other bidder's bids. The unit cost for steel sheet piling at \$5/SF stands out as a very low cost for this work to be performed. Under Section A, Paragraph 1-21, GWA reserves the right to disqualify a bidder for an unusually low bid and it is recommended that GWA consider that option with ProPacific Builder Corporation and their bid.

If ProPacific Builder Corporation is disqualified, it is recommended that GWA proceed ahead with awarding the Base Bid+Additive Bids to the next lowest bidder, Pacific Rim Constructors, Inc. GWA will need to get resolved the discrepancies in the proposal bid schedule of Pacific Rim Constructors as noted in this letter.

It is not recommended that Base Bid+Alternative #1 or Base Bid+Alternative #2 be awarded. It is recommended that the scope of work making up Alternative #1, be placed back into the overall Route 1 Sewer Rehabilitation and Replacement project to be included with the Cured in Place Pipe (CIPP) that is proposed to be completed under that contract.

If you should have further questions, please feel free to call me.

Sincerely,

HDR Engineering, Inc.



Nick Manley

Project Manager

# Exhibit E ( 1 of 6)

**From:** [George Watson](#)  
**To:** [Thomas Cruz](#)  
**Subject:** FW: Asan Sewer Line Project  
**Date:** Thursday, February 09, 2017 10:16:56 AM  
**Attachments:** [1875\\_001.pdf](#)  
[ATT00001.htm](#)

---

**From:** Keith Stewart [mailto:kstewart@pacificrimco.net]  
**Sent:** Friday, January 20, 2017 2:28 PM  
**To:** Gloria Bensan <gpbensan@guamwaterworks.org>  
**Cc:** George Watson <gwatson@BrwnCald.com>; Narcisa Dimaoala <ndimaoala@pacificrimco.net>  
**Subject:** Asan Sewer Line Project

Hi Gloria,

Please accept this email as Pacific Rim Constructors, Inc. confirmation that we are in agreement with the Base Bid and Additive Bid Item totals in our proposal (\$757,302 and \$1,713,356, respectfully) for a total amount of \$2,470,658.00.

Attached is the Proposal Bid Schedule Breakdown as requested.

Please let me know if you have any questions. We look forward to working with the GWA team on this project.

Thank you.

Keith

Keith Stewart, LEED AP, President  
Pacific Rim Group of Companies  
P.O. Box 11049, Tamuning, GU 96931  
[kstewart@pacificrimco.net](mailto:kstewart@pacificrimco.net)  
c: 671-988-9960  
o: 671-989-9960

# Exhibit E (2 of 6)

## Proposal Bid Schedule (Revision 1)

Route 1 Sewer Rehabilitation and Replacement (Asan-Adisulup-Higaktra)  
Asan Sewer Break Repair

Item No.	Description	Unit	Unit Price	Base Bid		Back of Award		Alternative Bid #1		Alternative Bid #2	
				QTY	Bid Amount	QTY	Bid Amount	QTY	Bid Amount	QTY	Bid Amount
<b>Base Bid Description of Work:</b> Replace approximately 88 linear feet of existing 18-inch diameter asbestos cement pipe (ACP) gravity sewer line with new 18-inch diameter polyvinyl chloride (PVC) sewer line. Remove and dispose of approximately 88 linear feet of 18-inch diameter ACP. Clean approximately 222 linear feet of existing 18-inch diameter gravity sewer line. Provide temporary bypassing and traffic control as necessary to facilitate the replacement work.											
<b>Additive Bid Item:</b> The additive bid items are work items that can be used at the discretion of GWA, either individually or in any combination, and in any quantity amount up to those listed for each individual bid item to assist GWA with other repairs along the route 1 sewer main. Each individual additive bid item shall include mobilization and demobilization within the individual bid item's unit price.											
<b>Alternate Bid #1 Description of Work:</b> Rehabilitate approximately 222 linear feet of 18-inch diameter sewer line with cured-in-place pipe (CIPP) liner. Reinststate sewer laterals after CIPP rehabilitation is complete. Provide additional temporary bypassing and traffic control as necessary to facilitate the rehabilitation work.											
<b>Alternate Bid #2 Description of Work:</b> Replace approximately 134 linear feet of additional existing 18-inch diameter asbestos cement pipe (ACP) gravity sewer line with new 18-inch diameter polyvinyl chloride (PVC) sewer line. Remove and dispose of approximately 134 linear feet of 18-inch diameter ACP. Reconnect sewer laterals after new pipe installation is complete. Provide additional temporary bypassing and traffic control as necessary to facilitate the replacement work.											
1	Mobilization and Demobilization	Lump Sum	\$ 15,130.20	1	\$ 15,130.20						
2	Unclassified Trench Excavation for Pipe Repair Work, including pavement demolition, shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (Base Bid & Alternative Bid #2)	Lin. Ft.	\$ 3,493.76	88	\$ 307,450.88						
3	Unclassified Trench Excavation for Pipe Repair Work, including pavement demolition, shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (10'-10' Depth)/Additive Bid Item)	Lin. Ft.	\$ 2,821.77			160	\$ 451,483.20				
4	Unclassified Trench Excavation for Pipe Repair Work, including pavement demolition, shoring, or bracing, underpinning, positive groundwater control, protection and support of structures and utilities, removal of trench support, select fill, flowable fill, traffic covers, and all incidentals required to complete the work. (10'-20' Depth)/Additive Bid Item)	Lin. Ft.	\$ 2,764.76			280	\$ 718,837.60				
5	Steel Sheet Piling, including full installation and removal. (Additive Bid Item)	S.F.	\$ 38.50			6000	\$ 231,000.00				
6	Dewatering and dewatering effluent disposal (Base Bid)	Lump Sum	\$ 49,014.00	1	\$ 49,014.00						
7	Dewatering and dewatering effluent disposal (Alternative Bid #2)	Lump Sum	\$ 59,460.00								
8	Removal and disposal of existing 12-inch diameter asbestos cement pipe, and all incidentals required to complete the work. (Additive Bid)	Lin. Ft.	\$ 145.78	40	\$ 5,831.20						
9	Removal and disposal of existing 14-inch diameter asbestos cement pipe, and all incidentals required to complete the work. (Additive Bid)	Lin. Ft.	\$ 121.91	120	\$ 14,629.20						
										134	\$ 468,163.84
										1	\$ 59,460.00

# Exhibit E (3 of 6)

Route 1 Sewer Rehabilitation and Replacement (Asan-Adakup-Hagalma)  
Asan Sewer Break Repair

## Proposal Bid Schedule (Revision 1)

Item No.	Description	Unit	Unit Price	Basis of Award		Alternative Bid #1		Alternative Bid #2	
				Qty	Bid Amount	Qty	Bid Amount	Qty	Bid Amount
10	Removal and disposal of existing 16-inch diameter asbestos cement pipe, and all incidentals required to complete the work. (Additive Bid)	Lin. Ft.	\$ 120.25	88	\$ 10,664.84	220	\$ 26,455.00	134	\$ 25,383.62
11	Removal and disposal of existing 18-inch diameter asbestos cement pipe, and all incidentals required to complete the work. (Base Bid and Alternative Bid #2)	Lin. Ft.	\$ 189.43						
12	Removal and disposal of existing 18-inch diameter asbestos cement pipe, and all incidentals required to complete the work. (Additive Bid)	Lin. Ft.	\$ 205.28			40	\$ 8,211.20		
13	A.C. Pavement Resurfacing, including pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete. (Base Bid & Alternative #2)	Sq. Yds.	\$ 569.67	54	\$ 30,762.18				
14	A.C. Pavement Resurfacing, including pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete. (Additive Bid)	Sq. Yds.	\$ 538.11			300	\$ 161,433.00	82	\$ 46,712.94
15	Pipe Repair: install new 12" PVC pipe (AWWA C-900, DR 25) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (0'-10' Depth) (Additive Bid)	Lin. Ft.	\$ 105.33			40	\$ 4,213.20		
16	Pipe Repair: install new 14" PVC pipe (AWWA C-905, DR 25) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (0'-10' Depth) (Additive Bid)	Lin. Ft.	\$ 132.01			120	\$ 15,841.20		
17	Pipe Repair: install new 16" PVC pipe (AWWA C-905, DR 25) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (10'-20' Depth) (Additive Bid)	Lin. Ft.	\$ 149.54			220	\$ 32,898.80		
18	Pipe Repair: install new 18" PVC pipe (AWWA C-905, DR 18) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (Base Bid & Alternative #2)	Lin. Ft.	\$ 106.27	88	\$ 9,351.76				
19	Pipe Repair: install new 18" PVC pipe (AWWA C-905, DR 18) by open trenching, including piping, fittings, testing, warning/identification tape, and all incidentals, in place complete. (10'-20' Depth) (Additive Bid)	Lin. Ft.	\$ 154.23			40	\$ 6,169.20		
20	Crushed rock bedding including compaction and woven geotextile fabric for 12-inch PVC sewer pipe, in place complete. (Additive Bid)	Lin. Ft.	\$ 68.80			40	\$ 2,752.00		
21	Crushed rock bedding including compaction and woven geotextile fabric for 14-inch PVC sewer pipe, in place complete. (Additive Bid)	Lin. Ft.	\$ 105.02			120	\$ 7,874.40		
22	Crushed rock bedding including compaction and woven geotextile fabric for 16-inch PVC sewer pipe, in place complete. (Additive Bid)	Lin. Ft.	\$ 105.81			220	\$ 14,478.20		
23	Crushed rock bedding including compaction and woven geotextile fabric for 18-inch PVC sewer pipe, in place complete. (Base Bid & Alternative Bid #2)	Lin. Ft.	\$ 59.30	88	\$ 5,218.40			134	\$ 7,946.20



# Exhibit E (4 of 6)

Route 1 Sewer Rehabilitation and Replacement (Asan-Adelup-Hagama)  
Asan Sewer Break Repair

## Proposal Bid Schedule (Revision 1)

Item No.	Description	Unit	Unit Price	Basis of Award			Alternative Bid #1		Alternative Bid #2			
				Base Bid			Additive Bid Items (All Bid Amounts shall include Mobilization and Demobilization)		Bid Amount		Bid Amount	
				Qty	Bid Amount	Qty	Bid Amount	Qty	Bid Amount	Qty	Bid Amount	
24	Crushed rock bedding including compaction and woven geotextile fabric for 18-inch PVC sewer pipe. In place complete. (Additive Bid)	LIn. Ft.	\$ 68.80	222	\$ 59,471.58	40	\$ 2,752.00	222	\$ 59,471.58			
25	Sewer Line Cleaning of existing 18-inch Asbestos Cement Pipe (ACP) and 18-inch Polyvinyl Chloride (PVC) Pipe sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	LIn. Ft.	\$ 267.89	1	\$ 6,804.30							
26	Pre-Construction Survey of site conditions, including survey report, photo survey, and video survey.	Lump Sum	\$ 6,804.30	1	\$ 6,804.30							
27	Pre-Construction Settlement Point Report, including monitoring plan, establishing all project settlement points and taking initial survey readings.	Lump Sum	\$ 6,804.30	1	\$ 6,804.30							
28	Post-Construction Survey of site conditions, including survey report, photo survey, and video survey.	Lump Sum	\$ 6,804.30	1	\$ 6,804.30							
29	Final Settlement Report, including taking reading during construction activities and taking final survey readings of all settlement points.	Lump Sum	\$ 6,804.30	1	\$ 6,804.30							
30	Sewer Flow Control for Base Bid, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including paving and demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment, investigation, additional traffic control, all related restoration work, in place complete.	Lump Sum	\$ 101,426.40	1	\$ 101,426.40							

**Proposal Bid Schedule**  
(Revision 1)

Route 1 Sewer Rehabilitation and Replacement (Asan-Adeleup-Hagatha)  
Asian Sewer Break Repair

Item No.	Description	Unit	Unit Price	Base Bid		Additive Bid Items (All Bid Amounts shall include Mobilization and Demobilization)		Alternative Bid #1		Alternative Bid #2	
				Qty	Bid Amount	Qty	Bid Amount	Qty	Bid Amount	Qty	Bid Amount
31	Sewer Flow Control for Alternative Bid #1, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.	Lump Sum	<u>\$ 112,696.00</u>					1	<u>\$ 112,696.00</u>		
32	Sewer Flow Control for Alternative Bid #2, including diversion and bypass pumping plan, temporary bypass piping and pumps, pipe plugs, bypassing at sewer laterals (including locating and exposing cleanouts), temporary trenches (including pavement demolition, excavation, backfill, trench covers, temporary and permanent AC pavement and concrete pavement), electrical and standby power/pumps, monitoring, spill containment/mitigation, additional traffic control, all related restoration work, in place complete.	Lump Sum	<u>\$ 112,696.00</u>								
33	Traffic Control Work for Base Bid, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals	Lump Sum	<u>\$ 74,749.50</u>	1	<u>\$ 74,749.50</u>						
34	Traffic Control Work for Alternative Bid #1, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals	Lump Sum	<u>\$ 76,787.00</u>					1	<u>\$ 76,787.00</u>		
35	Traffic Control Work for Alternative Bid #2, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals	Lump Sum	<u>\$ 83,056.00</u>								
36	Closed-Circuit Television (CCTV) inspections for pre- and post-rehabilitation of existing 18" sewer line, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	<u>\$ 51.12</u>					444	<u>\$ 22,697.28</u>		
37	Installation of cured-in-place pipe (CIPP) lining in existing 18-inch sewer line, including wet out, preparation, Pre-CIPP cleaning, testing of installed liner, sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	<u>\$ 1,884.45</u>					222	<u>\$ 405,027.90</u>		
38	Reinstatement of existing sewer laterals upon completion of CIPP lining installation, including all incidentals, in place complete.	Ea.	<u>\$ 50,445.00</u>					3	<u>\$ 151,335.00</u>		

Route 1 Sewer Rehabilitation and Replacement (Asan-Adetup-Hagatna)  
Asan Sewer Break Repair

## Proposal Bid Schedule (Revision 1)

Item No.	Description	Unit	Unit Price	Basis of Award		Alternative Bid #1		Alternative Bid #2	
				QTY	Bid Amount	QTY	Bid Amount	QTY	Bid Amount
39	Reconnection of existing sewer laterals upon completion of new pipe installation, including all incidentals, in place complete. (Alternative Bid #2)	Ea.	\$ 5,135.67						
40	Reconnection of existing sewer laterals upon completion of new pipe installation, including all incidentals, in place complete. (Additive Bid)	Ea.	\$ 8,568.60						
<b>TOTAL Items 1 through 47, inclusive</b>				<b>\$ 757,302.00</b>	<b>\$ 1,713,356.00</b>	<b>\$ 768,592.18</b>	<b>\$ 768,594.21</b>	<b>\$ 15,407.01</b>	

BASE BID = \$ 757,302.00  
 BASE BID + ADDITIVE BID (BASIS OF AWARD) = \$ 2,470,658.00  
 BASE BID + ALTERNATIVE BID #1 = \$ 1,525,845.18  
 BASE BID + ALTERNATIVE BID #2 = \$ 1,525,896.21