

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. 35-FY2020

RELATIVE TO APPROVAL OF CONSTRUCTION CONTRACT CHANGE ORDER NO. 3 FOR THE ROUTE 4 RELIEF SEWERLINE REHABILITATION AND REPLACEMENT PROJECT S15-006-EPA

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

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

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to improve the sewer collection system, which included over 4,200 linear feet of gravity sewer line along Route 4 and Route 1, from in front of Vons Chicken on Route 4 in Agana to the Agana Main Pump Station; and

WHEREAS, the gravity sewer line noted above has a section that has been inactive since its original installation due to incomplete construction work, and sections that need repair due to high infiltration and inflow (I/I), and the intent of this project is to rehabilitate, repair or replace these sections; and

WHEREAS, on March 23, 2018, GWA advertised the Invitation to Re-bid (IFB-04-ENG-2018) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the village of Agana; and

WHEREAS, after receiving and reviewing bid proposals for the manhole rehabilitation and sewerline replacement work on the Route 4 Relief Sewerline, it was determined that ProPacific Builder Corporation (PPBC) was the lowest responsive and responsible bidder; and

 WHEREAS, the CCU approved via Resolution 40-FY2018 (Exhibit A) funding authorization for PPBC in the amount of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to bring the authorized funding amount for Schedule A to a maximum of Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80); and

WHEREAS, in September 2018 GWA management executed a construction contract to rehabilitate and replace portions of the Route 4 Relief Sewerline with PPBC; and

WHEREAS, the CCU approved via Resolution 16-FY2020 (Exhibit B) funding authorization for PPBC for Change Orders No. 1 and No. 2 for an additional amount of Forty-Seven Thousand Eight Hundred Fifty-Six Dollars and Seventy-Four Cents (\$47,856.74), to increase PPBC's total contract value to the amount of Three Million Seven Hundred Ninety-Six Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54);

WHEREAS, due to additional work required to install the new sewer main under this contract while contending with unknown underground utilities and utility encasements which slowed PPBC's production rate and required hand digging due to space limitations, GWA negotiated Change Order No. 3 (Exhibit C), for additional compensation in the amount of Fifty-Eight Thousand Three Hundred Seventy-Eight Dollars (\$58,378.00) plus a time extension of fifty-two (52) days to PPBC's contract; and

WHEREAS, the negotiated Change Order No. 3 extends the estimated time to construction completion to September 2020, and PPBC's total contract value to Three Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents (\$3,854,867.54); and

WHEREAS, the total cost of Change Order No. 3 in the amount of Fifty-Eight Thousand Three Hundred Seventy-Eight Dollars (\$58,378.00) will come from USEPA Title 2 Construction Grants Program; and

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WHEREAS, GWA Management seeks CCU approval of PPBC's proposal for additional compensation in the additional funding amount of Fifty-Eight Thousand Three Hundred Seventy-Eight Dollars (\$58,378.00), to bring the total authorized funding amount to Three Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents (\$3,854,867.54); and

WHEREAS, funding for this project will be from the USEPA Title 2 Construction Grants Program, and, if necessary, GWA Bond funds with an estimated project budget of Three Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents (\$3,854,867.54); and

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

- 1. The recitals set forth above hereby constitute the findings of the CCU.
- 2. The CCU hereby approves the funding increase for accelerated construction services in the additional funding amount of Fifty-Eight Thousand Three Hundred Seventy-Eight Dollars and Zero Cents (\$58,378.00) (Exhibit C).
- 3. The CCU hereby further approves the total funding authorization for the contract with PPBC to an amount of Three Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents (\$3,854,867.54).

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

DULY AND REGULARLY ADOPTED, this 3rd day of September 2020.

Certified by:

Attested by:

JOSEPH T. DUENAS

Chairperson

MICHAEL T. LIMTIACO

Secretary

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:	5
NAYS:	9
ABSENT:	Ø
ABSTAIN:	Ø



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Exhibit A



CONSOLIDATED COMMISSION ON UTILITIES

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

RESOLUTION NO. 40-FY2018

RELATIVE TO CONTRACTS APPROVAL FOR THE ROUTE 4 RELIEF SEWER LINE REHABILITATION AND REPLACEMENT PROJECT S15-006-EPA

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

WHEREAS, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to improve the sewer collection system, which included over 4,200 linear feet of gravity sewer line along Route 4 from the bottom of the hill in Agana to Route 1, and along Route 1 to the Agana Main Pump Station; and

WHEREAS, the gravity sewer line noted above has a section that has been inactive since its original installation due to incomplete construction work, and sections that are in need of repair due to high infiltration and inflow (I/I), and the intent of this project is to rehabilitate, repair or replace these sections along with associated roadway surface improvements; and

WHEREAS, GWA and USEPA agree that efforts to rehabilitate, repair or replace these sewer lines are necessary to provide sufficient capacity, and properly maintain and operate the sewer collection system, and the first step in doing so is through scope of services that includes general civil engineering, geotechnical engineering, and archeological investigation for wastewater collection system evaluation, analysis and design; and

 WHEREAS, in July 2015 GWA Management began the procurement process to find a consulting engineering team to design the sewer rehabilitation and replacement, and via Resolution No. 16-FY2016, approved by the CCU in January 2016, GWA Management was authorized to enter into a contract with AECOM to design the sewer rehabilitation and replacement; and

WHEREAS, in February of 2016 GWA Management entered into a contract with AECOM to design the sewer rehabilitation and replacement, and in May of 2017 the final design was completed; and

WHEREAS, on August 25, 2017, GWA advertised the Invitation to Bid (IFB-10-ENG-2017) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the village of Hagatna, but ultimately GWA received no bids at that time; and

WHEREAS, following the initial Invitation to Bid, GWA discussed with contractors the challenges that may have prevented them from bidding, reviewed all the available information, and split the contract into two separate parts, a Schedule A and a Schedule B; and

WHEREAS, on March 23, 2018, GWA advertised another Invitation to Bid (IFB-04-ENG-2018) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the village of Hagatna; and

WHEREAS, this project consists of furnishing all labor, tools, equipment and materials, necessary to install, replace, and repair sewer along Rt.4 and Rt.1, including coordination with GWA Wastewater Operations, GWA Engineering, the Construction Manager, the project Design Engineer, GWA's Program Management Office and the Department of Public Works; and

WHEREAS, IFB packages were obtained by multiple interested parties, from which GWA received bid proposals from three (3) parties (SEE EXHIBIT A – Abstract of Bids) before

 the bid proposal deadline, with one (1) party submitting a proposal for only Schedule A, one (1) party submitting a proposal for only Schedule B, and one (1) party submitting a proposal for both Schedule A and B; and

WHEREAS, the project Design Engineer, in conjunction with GWA, analyzed the bid proposals received (SEE EXHIBIT B – Evaluation) on June 8, 2018 and determined that the bid proposal submitted by ProPacific Builder Corporation (PPBC) (SEE EXHIBIT C – ProPacific Bid) for Schedule A, and the bid proposal submitted by Insituform Technologies, LLC (Insituform) (SEE EXHIBIT D – Insituform Bid) for Schedule B, were the lowest responsive and responsible bids and met all the bid requirements set forth by GWA; and

WHEREAS, GWA Management finds both PPBC's bid proposal for Schedule A, and Insituform's bid proposal for Schedule B acceptable; and

WHEREAS, for Schedule A, PPBC's bid proposal in the amount of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to bring the authorized funding amount for Schedule A to a total of Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80); and

WHEREAS, for Schedule B, Insituform's bid proposal in the amount of Three Million Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00), plus a ten percent (10%) contingency of Three Hundred Ninety-Nine Thousand Eight Hundred Sixty-Eight Dollars and Eighty Cents (\$399,868.80) to bring the authorized funding amount for Schedule B to a total of Four Million Three Hundred Ninety-Eight Thousand Five Hundred Fifty-Six Dollars and Eighty Cents (\$4,398,556.80); and

WHEREAS, GWA Management seeks CCU approval of PPBC's bid proposal plus the 10% contingency for Schedule A of Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80), and Insituform's bid proposal plus contingency for Schedule B of Four Million Three Hundred Ninety-Eight Thousand Five

Hundred Fifty-Six Dollars and Eighty Cents (\$4,398,556.80), to bring the total authorized funding amount to Eight Million One Hundred Forty-Seven Thousand One Hundred Eighty-Nine Dollars and Sixty Cents (\$8,147,189.60); and

WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds and System Development Charge funds applicable to the project intent; and

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

- 1. The recitals set forth above hereby constitute the findings of the CCU.
- 2. The CCU finds that the terms and conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
- The CCU hereby authorizes the management of GWA to accept the bid proposals from "ProPacific Builder Corporation" and "Insituform Technologies, LLC." (EXHIBITS C and D)
- 4. The CCU hereby further authorizes the management of GWA to enter into a contract with "ProPacific Builder Corporation" in the amount of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00).
- The CCU hereby further authorizes the management of GWA to enter into a contract with "Insituform Technologies, LLC" in the amount of Three Million Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00).
- 6. The CCU hereby further approves the funding total for Schedule A of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80), and for Schedule B of Three Million Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00), plus a ten percent (10%) contingency of Three Hundred Ninety-Nine Thousand Eight Hundred Sixty-Eight

Dollars and Eighty Cents (\$399,868.80), for a total authorized funding amount of Eight Million One Hundred Forty-Seven Thousand One Hundred Eighty-Nine Dollars and Sixty Cents (\$8,147,189.60).

- 7. The CCU hereby further approves the funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds and System Development Charge Funds applicable to the project.
- 8. In the event funds other than SRF are used and they exceed One Million Dollars (\$1,000,000.00), GWA is authorized to petition the PUC for approval.

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

DULY AND REGULARLY ADOPTED, this 24th day of July 2018.

Certified by:

JOSEPH T. DUENAS

Chairperson

Attested by:

GEORGE BAMBA

cretary

SECRETARY'S CERTIFICATE

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

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

AYES:

NAYS:

ABSENT:

ABSTENTIONS:



GUAM WATERWORKS AUTHORITY ABSTRACT OF BIDS

Exhibit A (1 of 1)

ORIGINAL

Project Name: ROUTE 4 RELIEF SEWERLINE REHABILITATION AND REPLACEMENT (RE-BID)

Bid Opening Date: Time:

May 29, 2018 3:00 PM

Pro	ject Number: S15-006-EPA	IFB NO.: IFB-04-ENG-2018																
		Section A-5		-	_	C	RTIF	CAH	ONS			- delan		SCHE	DULE A	T	SCHEDULE B	
	Qualified Bidders Name	Bid Bond	as.	МСА	EEG	IESF	100	W60	MSA	512		2	<u>.</u>	BASE BID	ADDITIVE BID	BASE NO	ADDITIVE 810 NO. 1	ADDITIVE BID NO. 2
1.	PRO PACIFIC BUILDER CORP.	Enlarge Manager Congression	1	1	~	1	1	1	~	1	1	7	4	\$3.407.x4x.00	\$150,000 00	to bid	no bul	subscribed
2.	CANTON CONSTRUCTION CORP.	no that submitted										П	Τ					A PROPERTY.
3.	GIANT CONSTRUCTION CORP.	no hid submitted								Г		T	T					
4.	INSITUFORM	Traveller Carally Characty Company 15-1- up but assemble	✓	1	V	1	1	1	1	1	4	1	4	subouted	so kid Subutted	\$3,448,678.00	45,145,100 P	(1.crs, 22.2)
5.	GRANITE CONSTRUCTION COMPANY	no bil submitted					Г						T					
6.	INFRATECH INT'L. LLC	to bed submitted											T					
7.	CHI CONSTRUCTION INC.	no had superior								П								-
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9.	CORE TECH/HDCC GUAM, LLC	13 I. III. WY PRISAN	✓	1	>	1	1	1	1	1	7	1	1	116,141,463.28	\$20,592,67	#1,570,51b,71	R 141 818 414	A 10.581.15
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	GWA Estimate										_							

Nicole Qui Maguer (Name and Signature)



AECOM 414 W. Soledad Avenue Suite 708 Hagâtña, GU 96932 www.aecom.com

671 477 8326/7 tel 671 472 8324 fax

Exhibit B (1 of 1)

June 8, 2018

The Guam Waterworks Authority
Thomas F. Cruz, P.E., Chief Engineer
Engineering Division
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, GU 96913

Subject: Bid Review and Recommendation for the Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-bid) Project, GWA Project No. S15-006-EPA, IFB No. IFB-04-ENG-2018.

Håfa Adai Tom,

The bids for this project were opened on May 29, 2018. Out of 10 bidders who expressed interest in the project, only 3 bid proposals were received and included ProPacific Builder Corporation (ProPacific), Insituform Technologies, LLC (Insituform), and Core Tech/Hawaiian Dredging, LLC (CHL). Pro Pacific submitted a bid for only Schedule A. Insituform submitted a bid for only Schedule B. CHL submitted a bid for both schedules. A summary of the bids prices along with the Engineer's Opinion of Construction Cost Estimate are provided in the table below.

Bid Schedule	Engineer's Estimate	ProPacific	Insituform	CHL
SCHEDULE A - Base Bid	\$ 2,701,217.00	\$ 3,407,848.00	No Bid	\$ 6,191,463.33
SCHEDULE A - Additive Bid No. 1	\$ 7,000.00	\$ 150,000.00	No Bid	\$ 20,592.67
SCHEDULE A – Total	\$ 2,708,217.00	\$ 3,557,848.00	No Bid	\$ 6,212,056.00
SCHEDULE B - Base Bid	\$ 2,482,494.00	No Bid	\$ 3,998,688.00	\$ 7,570,573.65
SCHEDULE B - Additive Bid No. 1	\$ 62,880.00	No Bid	\$ 1,296,700.00	\$ 799,818.94
SCHEDULE B - Additive Bid No. 2	\$ 7,000.00	No Bid	\$ 35,000.00	\$ 20,583.15
SCHEDULE B – Total	\$ 2,552,374.00	No Bid	\$ 5,330,388.00	\$ 8,390,975.74

It is understood that the bids are to be evaluated by each schedule separately and contract(s) awarded using the Base Bid. After contract award, GWA may consider adding items in the additive bids into the contract by change orders. If the bid is within the amount of funds available to finance the construction Contract, then the award will be made to the lowest responsive and responsible bidder. In the event all bids exceed the available budget, GWA may reject bids by individual line items until the individual line items fit within the available budget.

AECOM conducted an evaluation of the bids received and provide recommendations for award to the responsible Bidder submitting the lowest responsive Bid. The following is a brief summary of the bid evaluation:

- Overall, the CHL bid prices appeared to be excessive in comparison with the other bidders and the Engineer's Estimate for both bid schedules evaluated separately.
- For Schedule A Base Bid, ProPacific's bid price was approximately 26% more than the Engineer's Estimate and is
 the lowest responsive bid. ProPacific's total bid including the bid additive was approximately 31% more than the
 Engineer's Estimate.
- For Schedule B Base Bid, Insituform's bid price was approximately 61% more than the Engineer's Estimate and is
 the lowest responsive bid. Insituform's total bid including the bid additives was approximately double the Engineer's
 Estimate.

Based on the bid evaluation conducted, it is recommended that ProPacific be awarded a construction contract for Schedule A – Base Bid and Insituform be awarded a separate construction contract for Schedule B – Base Bid. It is also recommended that if needed, GWA can consider rejecting individual line items to fit within the available budget; particularly for all the bid additives.

Respectfully,

Agapito (Pete) Diaz, PE Project Manager 671-477-8326/7 pete.diaz@aecom.com

Exhibit C (1 of 15)



BID INVITATION NO. IFB-04-ENG-2018 GWA Project No.: S15-006-EPA

Route 4 Relief Sewer Line Rehabilitation and Replacement

BID PROPOSAL

Submitted by:



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Suite 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Exhibit C (2 of 15)

Procurement Checklist

CHECKLIST OF FORMS AND DOCUMENTS REQUIRED TO BE SUBMITTED IN CONJUNCTION WITH BIDS

A.	Form or document that must be submitted with bid	Initial if Submitted:
1.	Bid Bond Equal to 15% of total amount of bid	y
2.	Bidder Qualification Form	W
3,	Bid Proposal and Bid Schedule	<u>w</u>
4.	Non-Collusion Affidavit	_ Yhr
5.	Certification of Bidder Regarding Equal Employment Opportunity	ch_
6.	Certification Regarding Non-Segregated Facilities	<u>Ch</u>
7.	Sex Offender Certification	$\underline{\hspace{1cm}}$
8.	Wage and Benefit Determination	<u>u</u>
9,	Major Shareholders Disclosure Affidavit	<u>Ur</u>
10.	Special Instructions to Bidders	In
11.	Proof of Licensure to Perform Work Called For by the Bid	<u>ln</u>
12.	Financial Statements	_ ln
13.	Proof of Status as Veteran (if applies)	N/A.
14.	Forms or Documents Required by Bid or Bid Amendments not referred to above	lin
	Jean Yeon Yu , a duly a PPBC , do hereby certify, that the forms list above I my firm's bid. I acknowledge that, failure to submit any of the abfirm being deemed non-responsive and having my firm's bid rejected. Signed:	ove documents will result in
	Date: 09/29/2018	

Exhibit C (3 of 15)

BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Guam Waterworks Authority
Engineering Division, Room 202
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	April 19, 2018
Addendum No. 2	April 26, 2018
Addendum No. 3	May 15, 2018
Addendum No. 4	May 18, 2018

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 <u>observable</u> 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.

Exhibit C (4 of 15)

- 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 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 anything of value likely to influence the action of a public official in the bidding process:
 - "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;
 - "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

Exhibit C (5 of 15)

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 AND AWARD OF CONTRACTS

5.01 This contract is a multi-award contract through which more than one contract may be awarded through this solicitation. The Bid Schedule contains two schedules, Schedule A and Schedule B. Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the prices indicated under this article. The Bidder can elect to provide prices under Schedule A or Schedule B or both schedules. Bids must include all items under Schedule A or Schedule B, or both Schedule A and B. Each of Schedules A and B comprise Base Bid items and Additive Bid items. The Bidder shall provide base bid and additive bid(s) prices under each elected schedule.

Bids shall be evaluated by Schedule. Each of Schedules A and B shall be evaluated separately. The lowest responsive and responsible bidder shall be determined for each of Schedule A and Schedule B. Separate contracts will be awarded under Schedule A and Schedule B. One contract will be awarded to the lowest responsive and responsible bidder for Schedule A and one contract will be awarded to the lowest responsive and responsible bidder for Schedule B. If the same contractor is the lowest responsive and responsible bidder for both Schedules A and B, one contract for all the work under Schedules A and B will be awarded.

Exhibit C (6 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

	ing temporary bypass and traine control as necessary			SCHEDULE A Base Bio	
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$293,780.00	1	\$ 293,780.00
2	Insurance and Bonds	LS	\$132,201.00	1	\$ 132,201.00
3	Permits	LS	\$44,067.00	1	\$ 44,067.00
4	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$1,500.00	22	\$ 33,000.00
5	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$1,800.00	12	\$ <u>21,600.00</u>
6	30" PVC pipe, installed by open trench, including existing pipe removal, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.	LF	\$ 2,000.00	461	\$_922,000.00
7	Unclassified Trench Excavation and Backfill, including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, muck handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.	СҮ	\$ <u>600.00</u>	913	\$ 547,800.00
8	Precast Sewer Manhole, SMH-6901A and 493A, including reinforced concrete base, precast concrete riser and cone, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$ <u>30,000.0</u> 0	2	\$ <u>60,000.00</u>

Exhibit C (7 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

				SCH	IEDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
9	Drop Precast Sewer Manhole, SMH-6908B, including demolition of existing SMH-10312, reinforced concrete base, precast concrete riser and cone, chimney, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$ <u>30,000.0</u> 0	1	\$_30,000.00
10	Rehabilitation of sewer manhole with epoxy coating, including cleaning, surface preparation, cementitious underlayment, concrete channel and bench construction, existing pipe cut & connection, plugging existing pipe, epoxy topcoat, grout injection for leak repair, traffic control work, and all incidentals, in place complete.	EA	\$ 22,500.00	14	\$\frac{315,000.00}{}
11	Abandon existing sewer pipes including plugging and filling with CLSM, all incidentals, in place complete.	LF	\$_250.00	280	\$_70,000.00
12	Unplug 21" existing pipe, plug 15" existing SL-9650 and channel & bench reconstruction at SMH-6897	LS	\$ 30,000.00	1	\$ 30,000.00
13	Sewer Flow Control, 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 asphalt concrete (AC) pavement, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$ <u>300,000.</u> 0) 1	\$ <u>300,000.00</u>
14	Removal of existing pavement including all necessary labor, materials and equipment, in place complete	SY	\$_50.00	2,867	\$ 143,350.00

Exhibit C (8 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

				SCH	IEDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
15	AC Pavement Resurfacing, including asphalt concrete base, cold planing, pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete	SY	\$ 150.00	2,867	\$ 430,050.00
16	Pavement marking including all necessary labor, materials and equipment, in place complete	LS	\$25,000.00	1	\$ 25,000.00
17	As-Built drawings	LS	\$10,000.00	1	\$ 10,000.00
	SCHEDULE A – Base Bid (TOTA	L Item:	s 1 through 17, inc	lusive)	\$ 3,407,848.00

escri	ption of Work: Archaeological monitoring.				
				,	SCHEDULE A - Additive Bid No. 1
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$ <u>150,000.</u> 0	° ₁	\$ <u>150,000.00</u>

Exhibit C (9 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				Sch	nedule B – Base Bid
item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$	1	\$
2	Insurance and Bonds	LS	\$	1	\$
3	Permits	LS	\$	1	\$
4	Installation of cured in place pipe (CIPP) lining in existing 21" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$	674	\$
5	Installation of cured in place pipe (CIPP) lining in existing 24" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$	723	\$

Exhibit C (10 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				Sch	edule B – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
6	Installation of cured in place pipe (CIPP) lining in existing 30" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	ĻF	\$	1,590	\$
7	Installation of cured in place pipe (CIPP) lining in existing 36" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$	798	\$
8	Sewer Flow Control, 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, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$	1	\$

Exhibit C (11 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid) SCHEDULE B —Base Bid Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work. Schedule B — Base Bid Item No. Description Unit Unit Price Qty Bid Amount Schedule B — BASE BID (TOTAL Items 1 through 8, inclusive) \$\frac{1}{2}\$\$

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid) SCHEDULE B - Additive Bid No. 1 Description of Work: CIPP part-liner or chemical grouting to control infiltration/inflow prior to CIPP lining. Schedule B -Additive Bid No. 1 CIPP part-liner or grouting to control infiltration on the existing 21" sewer line, where approved by the Owner, including full compensation for all labor, LF 70 materials, supplies, equipment, tools, and all incidentals for completed work. CIPP part-liner or grouting to control infiltration on the existing 24" sewer line, where approved by the Owner, including full compensation for all labor, 2 LF 80 materials, supplies, equipment, tools, and all incidentals for completed work. CIPP part-liner or grouting to control infiltration on the existing 30" sewer line, where approved by the Owner, including full compensation for all labor, LF 160 materials, supplies, equipment, tools, and all incidentals for completed work. CIPP part-liner or grouting to control infiltration on the existing 36" sewer line, where approved by the 4 Owner, including full compensation for all labor, LF 160 materials, supplies, equipment, tools, and all incidentals for completed work. SCHEDULE B - Additive Bid No. 1 (TOTAL Items 1 through 4, inclusive)

Exhibit C (12 of 15)

	Route 4 Relief Sewer Line Rehabilita DULE 8 - Additive Bid No. 2 ription of Work: Archaeological monitoring.	ation a	nd Replacement	(Re-Bid)	
<i>D C J C</i>	provide Archibeological Monitornig.				SCHEDULE B -
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$	1	\$
	SCHEDULE B - Additive Bid	No. 2	TOTAL Items 1, i	nclusive)	\$

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of this Bid:
 - A. Required Bid security in the form of Bid Bond
 - B. List of Proposed Major Suppliers;
 - C. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 - DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

Exhibit C (13 of 15)

ARTICLE 9 - BID SUBMITTAL

This Bid submitted by:		
If Bidder is:		
An Individual		
Name (typed or printed): _		
Ву:		
(Individual's sign	nature)	
		_
	Facsimile:	
E-mail address:		
A Partnership		
Partnership Name:		(SFAL)
Ву:	neral partner - attach evidence of authority to sign)	
Business address:		
Phone:	Facsimile:	
E-mail address:		
A Corporation		
	PROPACIFIC BUILDER CORPORATION	
State of Incorporation:		
Type (General Business, Pro	ofessional, Service, other): General Contractor	_
By:	\sim	
(Signature - atta	ich evidence of authority to sign)	
Name (typed or printed): _	Jean Yeon Yu	
Title:	President	
Attest Cemis	(CORPORATE SEAL)	
	rpbrate Secretary)	-
Business address: 750 Ro	ute 8 Suite 202 Hanam Plaza, Barrigada, GU 96913	<u> </u>
9-1-2-1-2-1-2-1		9 ** , 11 = 1
EJCDC F	2-400, Suggested Bid Form for Procurement Contracts.	

Exhibit C (14 of 15)

Phone:	671-477-3109	Facsimile:	671-477-7424
E-mail address: _	jgyc@guam.net		
A Limited Liability	y Company (LLC)		
LLC Name:			
	ganized:		
Ву:		_	
(Signa	nture - attach evidence of author	rity to sign)	86
Name (typed or p	printed):		
Business address	š		
New Agencies			
A Joint Venture			
	rar Nama.		in rail
	er Name:		(SEAL)
By:	ture - attach evidence of author	ritu ta cianl	
	orinted):		
Business address	:		
Second Joint Ven	turer Name:		(SEAL)
Ву:	to desire works		
(Signa	ture - attach evidence of author	rity to sign)	exiliand
Name (typed or p	orinted):		
Title:			
Business address:	•		
Phone:		Facsimile:	
Phone and Facsin	nile Number, and Address for re	ceipt of official comm	unications to Joint Venture:_
Commission of Cons	EJCDC P-400, Suggested Bid Form fo	or Procurement Contracts.	

Exhibit C (15 of 15)

(Each joint venturer must sign. The manner of signing for each Individual, partnership, corporation, and limited liability company that is a party to the joint venture should be in the manner indicated above.)	,

Exhibit D (1 of 17)





Stronger, Safer, Infrastructure.

SEALED BID FOR: ROUTE 4 RELIEF SEWER LINE REHABILITATION AND REPLACEMENT (RE-BID)

BIDDER: INSITUFORM TECHNOLOGIES, LLC 17988 EDISON AVE **CHESTERFIELD, MO 63005**

GWA PROJECT NO. S15-006-EPA

CLOSING DATE AND TIME 5/25/2018 5/29/2018

GUAM WATERWORKS AUTHORITY

GLORIA B. NELSON PUBLIC SERVICES BUILDING

688 ROUTE 15

MANGILAO, GUAM 96913

Exhibit D (2 of 17)

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Article 2 - BIDDER'S ACKNOWLEDGMENTS	2
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Article 5 - BASIS OF BID AND AWARD OF CONTRACTS	4
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Article 7 - ATTACHMENTS TO THIS BID	11
Article 8 - DEFINED TERMS	
Article 9 - BID SUBMITTAL	

Exhibit D (3 of 17)

BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Guam Waterworks Authority

<u>Engineering Division, Room 202</u>

<u>Gloria B. Nelson Public Service Building</u>

<u>688 Route 15</u>

<u>Mangilao, Guam 96913</u>

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
1	April 19, 2018
a	April 24,2018
3	may 15,2018
4	MAY 18, 2018

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 <u>observable</u> 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.

Exhibit D (4 of 17)

- 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 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:
 - "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - "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;
 - "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

Exhibit D (5 of 17)

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 AND AWARD OF CONTRACTS

5.01 This contract is a multi-award contract through which more than one contract may be awarded through this solicitation. The Bid Schedule contains two schedules, Schedule A and Schedule B. Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the prices indicated under this article. The Bidder can elect to provide prices under Schedule A or Schedule B or both schedules. Bids must include all items under Schedule A or Schedule B, or both Schedule A and B. Each of Schedules A and B comprise Base Bid items and Additive Bid items. The Bidder shall provide base bid and additive bid(s) prices under each elected schedule.

Bids shall be evaluated by Schedule. Each of Schedules A and B shall be evaluated separately. The lowest responsive and responsible bidder shall be determined for each of Schedule A and Schedule B. Separate contracts will be awarded under Schedule A and Schedule B. One contract will be awarded to the lowest responsive and responsible bidder for Schedule A and one contract will be awarded to the lowest responsive and responsible bidder for Schedule B. If the same contractor is the lowest responsive and responsible bidder for both Schedules A and B, one contract for all the work under Schedules A and B will be awarded.

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

	* APPEN OF THE STANDARD CONTROL () or a SET Through sale of E 4 management of the Anagement of the Anagement American Control () of the Anagement of the An		4974449	SCHEDULE A — Base Bid		
item No.	Description	Unit	Unit Price	Qty	Bid Amount	
1	Mobilization and Demobilization	LS	\$	1	\$	
2	Insurance and Bonds	LS	\$	1	\$	
3	Permits	LS	\$	1	\$	
4	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$	22	\$	
5	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$	12	\$	
6	30" PVC pipe, installed by open trench, including existing pipe removal, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.	LF	\$	461	\$	
7	Unclassified Trench Excavation and Backfill, including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, muck handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.	CY	\$	913	ş	
8	Precast Sewer Manhole, SMH-6901A and 493A, including reinforced concrete base, precast concrete riser and cone, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$	2	\$	

No bid on Schedig A

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

-	mig temporary bypass and trame control as necessary				EDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
9	Drop Precast Sewer Manhole, SMH-6908B, including demolition of existing SMH-10312, reinforced concrete base, precast concrete riser and cone, chimney, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$	1	\$
10	Rehabilitation of sewer manhole with epoxy coating, including cleaning, surface preparation, cementitious underlayment, concrete channel and bench construction, existing pipe cut & connection, plugging existing pipe, epoxy topcoat, grout injection for leak repair, traffic control work, and all incidentals, in place complete.	EA	\$	14	\$
11	Abandon existing sewer pipes including plugging and filling with CLSM, all incidentals, in place complete.	LF	\$	280	\$
12	Unplug 21" existing pipe, plug 15" existing SL-9650 and channel & bench reconstruction at SMH-6897	LS	\$	1	\$
13	Sewer Flow Control, 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 asphalt concrete (AC) pavement, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$	1	\$
14	Removal of existing pavement including all necessary labor, materials and equipment, in place complete	SY	\$	2,867	\$

NO BID Shawe A

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

				SCH	EDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
15	AC Pavement Resurfacing, including asphalt concrete base, cold planing, pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete	SY	\$	2,867	\$
16	Pavement marking including all necessary labor, materials and equipment, in place complete	LS		1	
17	As-Built drawings	LS		1	

escri	ption of Work: Archaeological monitoring.			
				SCHEDULE A Additive Bid No. 1
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$ 1	\$

Exhibit D (9 of 17)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				Scl	nedule B – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$ 800,000	1	\$ 800,000
2	Insurance and Bonds	L5	\$ 100,000	1	\$100,000
3	Permits	LS	\$34,300	1	\$34,300
4	Installation of cured in place pipe (CIPP) lining in existing 21" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$310.co	674	\$20 8 ,940
5	Installation of cured in place pipe (CIPP) lining in existing 24" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$412°°	723	\$297 876

Exhibit D (10 of 17)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -- Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				Sct	nedule B – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
6	Installation of cured in place pipe (CIPP) lining in existing 30" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	s 667°°	1,590	_{\$} 1,060,530
7	Installation of cured in place pipe (CIPP) lining in existing 36" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF*	<u>,929°°</u>	798	s741,342
8	Sewer Flow Control, 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, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	lS.	\$ <u>755,70</u> 0	1	\$755,700

Exhibit D (11 of 17)

SCHEDULE B —Base Bid Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work. Schedule B — Base Bid Item No. Description Description Unit Unit Price Qty Bid Amount Schedule B — BASE BID (TOTAL Items 1 through 8, inclusive) \$3,998,688

	Route 4 Relief Sewer Line Rehabilit	ation a	nd Replacement (F	le-Bid)	
	DULE B – Additive Bid No. 1 iption of Work: CIPP part-liner or chemical grouting to	contro	l infiltration/inflow	prior to	o CIPP lining.
					Schedule B – Additive Bid No. 1
1	CIPP part-liner or grouting to control infiltration on the existing 21" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	<u>\$ 2330</u>	70	\$163,100°°
2	CIPP part-liner or grouting to control infiltration on the existing 24" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	\$ 2330	80	\$186,400
3	CIPP part-liner or grouting to control infiltration on the existing 30" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	\$2960°	160	\$473,600°°
4	CIPP part-liner or grouting to control infiltration on the existing 36" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	\$ <u>2960</u>	160	\$ 473,600°
	SCHEDULE B — Additive Bid No. 1 (TO)	AL Iter	ns 1 through 4, inc	lusive)	\$5,295,388

EJCDC P-400, Suggested Bid Form for Procurement Contracts.

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3

Exhibit D (12 of 17)

ESC	ription of Work: Archaeological monitoring.				SCHEDULE B -
					Additive Bid No. 2
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$ 35,000	1	\$35,000

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of this Bid:
 - A. Required Bid security in the form of <u>bidder's bond</u>
 - B. List of Proposed Major Suppliers;
 - C. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 - DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

EJCDC P-400, Suggested Bid Form for Procurement Contracts.

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Exhibit D (13 of 17)



World HQ: 17988 Edison Avenue

636-530-8000 Chesterfield MO 63005 Fax: 636-530-8701

Local Off: 9654 Titan Court

Littleton CO 80125

303-791-7199 Fax: 303-791-7399

GWA Route 4 Releif Sewer Line Rehabilitation and Replacement, Project No. S15-006-EPA

LIST OF SUBCONTRACTORS Selection for Insituform

cctv/	CLEARI	Ng-M	٥٥٥
BYPASS	- ma	168h	
	CCTV/ BYPASS	CCTV/CLEARI BYPASS - MO	CCTV/CLEARING-M BYPASS-MOCON

Exhibit D (14 of 17)



World HQ: 17988 Edison Avenue Chesterfield MO 63005 Fax: 636-530-8701

636-530-8000

Local Off: 9654 Titan Court Littleton CO 80125

303-791-7199 Fax: 303-791-7399

GWA Route 4 Releif Sewer Line Rehabilitation and Replacement, Project No. S15-006-EPA

LIST OF Suppliers Selection for Insituform

1.	CIPP—Insituform
2.	
3.	
4.	
5.	

Exhibit D (15 of 17)

ARTICLE 9 - BID SUBMITTAL

9.01	This Bid submitted by:	
	If Bidder is:	
	An Individual	
	Name (typed or printed): N/A	
	Ву:	
	(Individual's signature)	
	Doing business as:	
	Business address:	
	Phone:Facsimile:	
	E-mail address:	
	A Partnership N/A	
	Partnership Name:	(SEAL)
	By:	
	By:(Signature of general partner - attach evidence of authority to sign)	
	Name (typed or printed):	
	Business address:	
	Phone:Facsimile:	
	E-mail address:	
	A Corporation N/A	
	Corporation Name:	
	State of Incorporation:	
	Type (General Business, Professional, Service, other):	
	Ву:	
	(Signature - attach evidence of authority to sign)	
	Name (typed or printed):	
	Title:	
	(CORPORATE SEAL)	
	Attest(Signature of Corporate Secretary)	<u></u>
	(Signature of Corporate Secretary)	
	Business address:	
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Exhibit D (16 of 17)

Phone:	Facsimile:	
E-mail address:		
A Limited Liability Company (LLC)		
LLC Name:Insituform Technologies, LLC		
By: Whithun Schutte		
(Signature pttach evidence of authority	to sign)	**************************************
Name (typed or printed): Whittney Schulte		
Title: Contracting & Attesting Officer		
Business address: 17988 Edison Avenue	hatties	
Chesterfield, MO 63005		
		636-530-8701
E-mail address: WSchulte@Aegion.com		
A Joint Venture		
N/A		
First Joint Venturer Name:		(SEAL)
Ву:		
(Signature - attach evidence of authority	to sign)	
Name (typed or printed):		
Title:		
Business address:		
Phone:		
E-mail address:		
Second Joint Venturer Name:		(SEAL)
Ву:		
(Signature - attach evidence of authority	to sign)	
Name (typed or printed):		
Title:		
Business address:		70.00
Phone:	Facsimile:	
E-mail address:		
Phone and Facsimile Number, and Address for rece	ipt of official comm	nunications to Joint Venture:
EJCDC P-400, Suggested Bid Form for I	Procurement Contracts.	
Converget & 2010 National Society of Professional Fundament	American Connell of Fac	dander Commeter

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Exhibit D (17 of 17)

INSITUFORM TECHNOLOGIES, LLC

PRESIDENT APPOINTMENT OF OFFICERS

Pursuant to the authority set forth in the Limited Liability Company Agreement of Insituform Technologies, LLC (the "Company"), I hereby determine that:

- 1. Christlanda Adkins, Laura M. Andreski, Janet Hass, Jana Lause, Diane Partridge, Whitmey Schulte, and Ursula Youngblood are appointed as Contracting and Attesting Officers of the Company, each with the authority, individually and in the absence of the others, subject to the control of the Board of Managers of the Company, (i) to certify and to attest the signature of any officer of the Company, (ii) to enter into and to bind the Company to perform pipeline rehabilitation activities of the Company and all matters related thereto, including the maintenance of one or more offices and facilities of the Company, (iii) to execute and to deliver documents on behalf of the Company, and (iv) to take such other action as is or may be necessary and appropriate to carry out the project, activities and work of the Company, and
- 2. All other Contracting and Attesting Officers of the Company appointed by the President of the Company prior to the date of this appointment are hereby removed from office.

Dated: September 20, 2017

Frank R. Firsching

President

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Exhibit B



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. 16-FY2020

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 2 FOR THE ROUTE 4 RELIEF SEWERLINE REHABILITATION AND REPLACEMENT PROJECT S15-006-EPA

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

WHEREAS, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to improve the sewer collection system, which included over 4,200 linear feet of gravity sewer line along Route 4 and Route 1, from in front of Vons Chicken on Route 4 in Agana to the Agana Main Pump Station; and

WHEREAS, the gravity sewer line noted above has a section that has been inactive since its original installation due to incomplete construction work, and sections that need repair due to high infiltration and inflow (I/I), and the intent of this project is to rehabilitate, repair or replace these sections; and

WHEREAS, on March 23, 2018, GWA advertised the Invitation to Re-bid (IFB-04-ENG-2018) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the village of Agana; and

WHEREAS, after receiving and reviewing bid proposals for the manhole rehabilitation and sewerline replacement work on the Route 4 Relief Sewerline, it was determined that ProPacific Builder Corporation (PPBC) was the lowest responsive and responsible bidder; and

WHEREAS, the CCU approved via Resolution 40-FY2018 (Exhibit A) funding authorization for PPBC in the amount of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to bring the authorized funding amount for Schedule A to a maximum of Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80); and

WHEREAS, in September 2018 GWA management executed a construction contract (Exhibit B) to rehabilitate and replace portions of the Route 4 Relief Sewerline with ProPacific Builder Corporation; and

WHEREAS, while the Notice to Proceed for PPBC was issued in September 2018, the start of construction was delayed due to complications with obtaining approvals during the permitting process; and

WHEREAS, due to permitting delays, unanticipated time restrictions enforced on construction work hours by DPW, and coordination challenges, GWA negotiated Change Order No. 1 (Exhibit C), for a time extension of 193 days and additional funding to PPBC's contract in the amount of Two Hundred Seventy-Six Thousand Seven Hundred Sixty Dollars and Nineteen Cents (\$276,760.19);

WHEREAS, the negotiated Change Order No. 1 (Exhibit C) extends the estimated time to construction completion to July 2020, and PPBC's total contract value to Three Million Six Hundred Eighty-Four Thousand Six Hundred Eight Dollars and Nineteen Cents (\$3,684,608.19); and

WHEREAS, during the ongoing construction, the second contractor, Insituform Technologies, LLC (Insituform), responsible for the Cured-In-Place-Pipe (CIPP) lining work that is part of the overall Route 4 sewerline improvements, discovered heavy infiltration in many of the manholes, which would prevent Insituform from completing the pipe lining work; and

WHEREAS, in order to prevent costly delays in lining operations due to the infiltration at the manholes, PPBC needed to accelerate manhole grouting work to resolve the infiltration; and

WHEREAS, GWA has negotiated with PPBC for a fee proposal for Change Order No. 2 to accelerate the work to resolve manhole infiltration and the removal of the concrete plug at SMH-6897 to prevent costly delays for lining operations; and

WHEREAS, the total cost of Change Order No. 2 comes out to the amount of One Hundred Eleven Thousand Eight Hundred Eighty-One Dollars and Thirty-Five Cents (\$111,881.35) (Exhibit D), of which Sixty-Four Thousand Twenty-Four Dollars and Sixty-One Cents (\$64,024.61) will come from the remaining contingency funds; and

WHEREAS, GWA Management seeks CCU approval of PPBC's proposal for accelerated construction services in the additional funding amount of Forty-Seven Thousand Eight Hundred Fifty-Six Dollars and Seventy-Four Cents (\$47,856.74), to bring the total authorized funding amount to Three Million Seven Hundred Ninety-Six Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54); and

WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds with an estimated project budget of Three Million Seven Hundred Ninety-Six Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54); and

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

- 1. The recitals set forth above hereby constitute the findings of the CCU.
- 2. The CCU hereby approves the funding increase for accelerated construction services in the additional funding amount of Forty-Seven Thousand Eight Hundred Fifty-Six Dollars and Seventy-Four Cents (\$47,856.74) (Exhibit D).
- 3. The CCU hereby further approves the total funding authorization for the contract with ProPacific Builder Corporation to an amount of Three Million Seven Hundred Ninety-Six Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54).

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

DULY AND REGULARLY ADOPTED, this 21st day of February, 2020.

Certified by:

JOSEPH T. DUENAS

Chairperson

Attested by:

MICHAEL T. LIMTIACO

Secretary

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:	5
NAYS:	0
ABSTENTIONS:	0
ABSENT:	0

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///

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Exhibit A

CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagetna, Guam 96932 | (671)649-3002 | guamecu.org

RESOLUTION NO. 40-FY2018

RELATIVE TO CONTRACTS APPROVAL FOR THE ROUTE 4 RELIEF SEWER LINE REHABILITATION AND REPLACEMENT PROJECT S15-006-EPA

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

WHEREAS, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to improve the sewer collection system, which included over 4,200 linear feet of gravity sewer line along Route 4 from the bottom of the hill in Agana to Route 1, and along Route 1 to the Agana Main Pump Station; and

WHEREAS, the gravity sewer line noted above has a section that has been inactive since its original installation due to incomplete construction work, and sections that are in need of repair due to high infiltration and inflow (I/I), and the intent of this project is to rehabilitate, repair or replace these sections along with associated roadway surface improvements; and

WHEREAS, GWA and USEPA agree that efforts to rehabilitate, repair or replace these sewer lines are necessary to provide sufficient capacity, and properly maintain and operate the sewer collection system, and the first step in doing so is through scope of services that includes general civil engineering, geotechnical engineering, and archeological investigation for wastewater collection system evaluation, analysis and design; and

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WHEREAS, in July 2015 GWA Management began the procurement process to find a consulting engineering team to design the sewer rehabilitation and replacement, and via Resolution No. 16-FY2016, approved by the CCU in January 2016, GWA Management was authorized to enter into a contract with AECOM to design the sewer rehabilitation and replacement; and

WHEREAS, in February of 2016 GWA Management entered into a contract with AECOM to design the sewer rehabilitation and replacement, and in May of 2017 the final design was completed; and

WHEREAS, on August 25, 2017, GWA advertised the Invitation to Bid (IFB-10-ENG-2017) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the village of Hagatna, but ultimately GWA received no bids at that time; and

WHEREAS, following the initial Invitation to Bid, GWA discussed with contractors the challenges that may have prevented them from bidding, reviewed all the available information and split the contract into two separate parts, a Schedule A and a Schedule B; and

WHEREAS, on March 23, 2018, GWA advertised another Invitation to Bid (IFB-04-ENG-2018) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the village of Hagatna; and

WHEREAS, this project consists of furnishing all labor, tools, equipment and materials, necessary to install, replace, and repair sewer along Rt.4 and Rt.1, including coordination with GWA Wastewater Operations, GWA Engineering, the Construction Manager, the project Design Engineer, GWA's Program Management Office and the Department of Public Works; and

WHEREAS, IFB packages were obtained by multiple interested parties, from which GWA received bid proposals from three (3) parties (SEE EXHIBIT A - Abstract of Bids) before

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the bid proposal deadline, with one (1) party submitting a proposal for only Schedule A, one (1) party submitting a proposal for only Schedule B, and one (1) party submitting a proposal for both Schedule A and B; and

WHEREAS, the project Design Engineer, in conjunction with GWA, analyzed the bid proposals received (SEE EXHIBIT B – Evaluation) on June 8, 2018 and determined that the bid proposal submitted by ProPacific Builder Corporation (PPBC) (SEE EXHIBIT C - ProPacific Bid) for Schedule A, and the bid proposal submitted by Insituform Technologies, LLC (Insituform) (SEE EXHIBIT D - Insituform Bid) for Schedule B, were the lowest responsive and responsible bids and met all the bid requirements set forth by GWA; and

WHEREAS, GWA Management finds both PPBC's bid proposal for Schedule A, and Insituform's bid proposal for Schedule B acceptable; and

WHEREAS, for Schedule A, PPBC's bid proposal in the amount of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to bring the authorized funding amount for Schedule A to a total of Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80); and

WHEREAS, for Schedule B, Insituform's bid proposal in the amount of Three Million Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00), plus a ten percent (10%) contingency of Three Hundred Ninety-Nine Thousand Eight Hundred Sixty-Eight Dollars and Eighty Cents (\$399,868.80) to bring the authorized funding amount for Schedule B to a total of Four Million Three Hundred Ninety-Eight Thousand Five Hundred Fifty-Six Dollars and Eighty Cents (\$4,398,556.80); and

WHEREAS, GWA Management seeks CCU approval of PPBC's bid proposal plus the 10% contingency for Schedule A of Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80), and Insituform's bid proposal plus contingency for Schedule B of Four Million Three Hundred Ninety-Eight Thousand Five

Hundred Fifty-Six Dollars and Eighty Cents (\$4,398,556.80), to bring the total authorized funding amount to Eight Million One Hundred Forty-Seven Thousand One Hundred Eighty-Nine Dollars and Sixty Cents (\$8,147,189.60); and

WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds and System Development Charge funds applicable to the project intent; and

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

- 1. The recitals set forth above hereby constitute the findings of the CCU.
- The CCU finds that the terms and conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
- The CCU hereby authorizes the management of GWA to accept the bid proposals from "ProPacific Builder Corporation" and "Insituform Technologies, LLC." (EXHIBITS C and D)
- 4. The CCU hereby further authorizes the management of GWA to enter into a contract with "ProPacific Builder Corporation" in the amount of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00).
- The CCU hereby further authorizes the management of GWA to enter into a contract with "Insituform Technologies, LLC" in the amount of Three Million Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00).
- 6. The CCU hereby further approves the funding total for Schedule A of Three Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80), and for Schedule B of Three Million Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00), plus a ten percent (10%) contingency of Three Hundred Ninety-Nine Thousand Eight Hundred Sixty-Eight

Dollars and Eighty Cents (\$399,868.80), for a total authorized funding amount of Eight Million One Hundred Forty-Seven Thousand One Hundred Eighty-Nine Dollars and Sixty Cents (\$8,147,189.60).

- 7. The CCU hereby further approves the funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds and System Development Charge Funds applicable to the project.
- 8. In the event funds other than SRF are used and they exceed One Million Dollars (\$1,000,000.00), GWA is authorized to petition the PUC for approval.

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

DULY AND REGULARLY ADOPTED, this 24th day of July 2018.

Certified by:

JOSEPH T. DUENAS

Chairperson

Attested by:

GEORGE BAMBA

6dcretary

SECRETARY'S CERTIFICATE

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

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

AYES:

NAYS:

0____

ABSTENTIONS:

ABSENT:



GUAM WATERWORKS AUTHORITY ABSTRACT OF BIDS

Exhibit A (1 of 1)

ORIGINAL

Project Name: ROUTE 4 RELIEF SEWERLINE REHABILITATION AND REPLACEMENT (RE-BID)

Bid Opening Date:

May 29, 2018 3:00 PM

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	Qualified Bidders Name	Section A-5		П	П	Г	Г	П	Г	Г	-	-	urin.	3CAE	DULE A	1	SCHEOULE B	
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Tabulated By:

Wick Que Mayen

CHA Procurement Repressives

Victoria Heacock

[Name and Signature]

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AECOM 414 W. Soledad Avenue Suite 708 Hagåtha, GU 96932 www.aecom.com 671 477 8326/7 tel 671 472 8324 fax

Exhibit B (1 of 1)

June 8, 2018

The Guam Waterworks Authority
Thomas F. Cruz, P.E., Chief Engineer
Engineering Division
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, GU 96913

Subject: Bid Review and Recommendation for the Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-bid) Project, GWA Project No. S15-006-EPA, IFB No. IFB-04-ENG-2018.

Håfa Adai Tom.

The bids for this project were opened on May 29, 2018. Out of 10 bidders who expressed interest in the project, only 3 bid proposals were received and included ProPacific Builder Corporation (ProPacific), Insituform Technologies, LLC (Insituform), and Core Tech/Hawaiian Dredging, LLC (CHL). Pro Pacific submitted a bid for only Schedule A. Insituform submitted a bid for only Schedule B. CHL submitted a bid for both schedules. A summary of the bids prices along with the Engineer's Opinion of Construction Cost Estimate are provided in the table below.

Bid Schedule	Engineer's Estimate	ProPacific	Insituform	CHL
SCHEDULE A - Base Bid	\$ 2,701,217.00	\$ 3,407,848.00	No Bid	\$ 6,191,463.33
SCHEDULE A - Additive Bid No. 1	\$ 7,000.00	\$ 150,000.00	No Bid	\$ 20,592.67
SCHEDULE A - Total	\$ 2,708,217.00	\$ 3,557,848.00	No Bid	\$ 6,212,056.00
SCHEDULE 8 - Base Bid	\$ 2,482,494.00	No Bid	\$ 3,998,688.00	\$ 7,570,573.65
SCHEDULE B - Additive Bid No. 1	\$ 62,880.00	No Bid	\$ 1,296,700.00	\$ 799,818.94
SCHEDULE 8 - Additive Bid No. 2	\$ 7,000.00	No Bid	\$ 35,000.00	\$ 20,583.15
SCHEDULE B - Total	\$ 2,552,374.00	No Bid	\$ 5,330,388.00	\$ 8,390,975.74

It is understood that the bids are to be evaluated by each schedule separately and contract(s) awarded using the Base Bid. After contract award, GWA may consider adding items in the additive bids into the contract by change orders. If the bid is within the amount of funds available to finance the construction Contract, then the award will be made to the lowest responsive and responsible bidder. In the event all bids exceed the available budget, GWA may reject bids by individual line items until the individual line items fit within the available budget.

AECOM conducted an evaluation of the bids received and provide recommendations for award to the responsible Bidder submitting the lowest responsive Bid. The following is a brief summary of the bid evaluation:

- Overall, the CHL bid prices appeared to be excessive in comparison with the other bidders and the Engineer's Estimate for both bid schedules evaluated separately.
- For Schedule A Base Bid, ProPacific's bid price was approximately 26% more than the Engineer's Estimate and is
 the lowest responsive bid. ProPacific's total bid including the bid additive was approximately 31% more than the
 Engineer's Estimate.
- For Schedule B Base Bid, Insituform's bid price was approximately 61% more than the Engineer's Estimate and is
 the lowest responsive bid. Insituform's total bid including the bid additives was approximately double the Engineer's
 Estimate.

Based on the bid evaluation conducted, it is recommended that ProPacific be awarded a construction contract for Schedule A – Base Bid and Insituform be awarded a separate construction contract for Schedule B – Base Bid. It is also recommended that if needed, GWA can consider rejecting individual line items to fit within the available budget; particularly for all the bid additives.

Respectfully.

Agapito (Pete) Diaz, PE Project Manager 671-477-8326/7 pete.diaz@aecom.com

Exhibit C (1 of 15)



BID INVITATION NO. IFB-04-ENG-2018 GWA Project No.: S15-006-EPA

Route 4 Relief Sewer Line Rehabilitation and Replacement

BID PROPOSAL

Submitted by:



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Suite 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Exhibit C (2 of 15)

Procurement Checklist

CHECKLIST OF FORMS AND DOCUMENTS REQUIRED TO BE SUBMITTED IN CONJUNCTION WITH BIDS

A.	Form or document that must be submitted with bid	Initial if Submitted:
1.	Bid Bond Equal to 15% of total amount of bid	yn
2,	Bidder Qualification Form	Chi
3.	Bid Proposal and Bid Schedule	w
4.	Non-Collusion Affidavit	- Yhn
5.	Certification of Bidder Regarding Equal Employment Opportunity	<u>Ch</u>
6.	Certification Regarding Non-Segregated Facilities	_G
7.	Sex Offender Certification	m
8.	Wage and Benefit Determination	_ Cv-
9	Major Shareholders Disclosure Affidavit	- Ch
10.	Special Instructions to Bidders	In
11.	Proof of Licensure to Perform Work Called For by the Bid	_ ln
12.	Financial Statements	_w
13.	Proof of Status as Veteran (if applies)	NIA
14	Forms or Documents Required by Bid or Bid Amendments not referred to above	_ li
	Jean Yeon Yu, a duly au	ve documents will result in

Section 0900

Page 2

Exhibit C (3 of 15)

BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Guam Waterworks Authority

Engineering Division, Room 202

Gloria B. Nelson Public Service Building
688 Raute 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	April 19, 2018
Addendum No. 2	April 26, 2018
Addendum No. 3	May 15, 2018
Addendum No. 4	May 18, 2018

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 <u>observable</u> 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.

Exhibit C (4 of 15)

- 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 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:
 - "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - "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;
 - "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

Exhibit C (5 of 15)

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 AND AWARD OF CONTRACTS

5.01 This contract is a multi-award contract through which more than one contract may be awarded through this solicitation. The Bid Schedule contains two schedules, Schedule A and Schedule B. Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the prices indicated under this article. The Bidder can elect to provide prices under Schedule A or Schedule B or both schedules. Bids must include all items under Schedule A or Schedule B, or both Schedule A and B. Each of Schedules A and B comprise Base Bid items and Additive Bid items. The Bidder shall provide base bid and additive bid(s) prices under each elected schedule.

Bids shall be evaluated by Schedule. Each of Schedules A and B shall be evaluated separately. The lowest responsive and responsible bidder shall be determined for each of Schedule A and Schedule B. Separate contracts will be awarded under Schedule A and Schedule B. One contract will be awarded to the lowest responsive and responsible bidder for Schedule A and one contract will be awarded to the lowest responsive and responsible bidder for Schedule B. If the same contractor is the lowest responsive and responsible bidder for both Schedules A and B, one contract for all the work under Schedules A and B will be awarded.

Exhibit C (6 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

Description of Work: Work consists of replacing 24" Spirolite pipe with 30" PVC pipe, installation of new 18" PVC pipe intertie, construction of precast concrete manholes, sewer manhole rehabilitation with epoxy coating, channel construction, disconnection and re-connection of lateral sewer pipes, abandoning existing sewer pipes and providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				SCH	IEDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$293,780.00) 1	\$ 293,780.00
2	Insurance and Bonds	LS	\$132,201.00	1	\$ 132,201.00
3	Permits	LS	\$44,067.00	1	\$ 44,067.00
4	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$1,500.00	22	\$_33,000.00
5	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$1,800.00	12	\$_21,600.00
6	30" PVC pipe, installed by open trench, including existing pipe removal, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.	LF	\$ <u>2,000.00</u>	<mark>461</mark>	\$ 922,000.00
7	Unclassified Trench Excavation and Backfill, including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, muck handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.	CY	\$ <u>600.00</u>	913	\$ 547,800.00
8	Precast Sewer Manhole, SMH-6901A and 493A, including reinforced concrete base, precast concrete riser and cone, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$ <u>30,000.0</u> 0	2	\$ 60,000.00

Exhibit C (7 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

Description of Work: Work consists of replacing 24" Spirolite pipe with 30" PVC pipe, installation of new 18" PVC pipe intertie, construction of precast concrete manholes, sewer manhole rehabilitation with epoxy coating, channel construction, disconnection and re-connection of lateral sewer pipes, abandoning existing sewer pipes and providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

Pion	and temporary bypass and traffic control as necessary	10 00111	SCHEDULE A – Base Bid		
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
9	Drop Precast Sewer Manhole, SMH-6908B, including demolition of existing SMH-10312, reinforced concrete base, precast concrete riser and cone, chimney, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EΑ	\$ 30,000.00	1	\$ 30,000.00
10	Rehabilitation of sewer manhole with epoxy coating, including cleaning, surface preparation, cementitious underlayment, concrete channel and bench construction, existing pipe cut & connection, plugging existing pipe, epoxy topcoat, grout injection for leak repair, traffic control work, and all incidentals, in place complete.	EA	\$_22,500.00	14	\$ <u>315,000.00</u>
11	Abandon existing sewer pipes including plugging and filling with CLSM, all incidentals, in place complete.	LF	\$ 250.00	280	\$ 70,000.00
12	Unplug 21" existing pipe, plug 15" existing SL-9650 and channel & bench reconstruction at SMH-6897	LS	\$_30,000.00	1	\$ 30,000.00
13	Sewer Flow Control, 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 asphalt concrete (AC) pavement, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$ <u>300,000.</u> 00	1	\$ <u>300,000.00</u>
14	Removal of existing pavement including all necessary labor, materials and equipment, in place complete	SY	\$ 50.00	2,867	\$ 143,350.00

Exhibit C (8 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A -- Base Bid

Description of Work: Work consists of replacing 24" Spirolite pipe with 30" PVC pipe, installation of new 18" PVC pipe intertie, construction of precast concrete manholes, sewer manhole rehabilitation with epoxy coating, channel construction, disconnection and re-connection of lateral sewer pipes, abandoning existing sewer pipes and providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				SCF	IEDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
15	AC Pavement Resurfacing, including asphalt concrete base, cold planing, pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete	SY	\$ <u>150.00</u>	2,867	\$ 430,050.00
16	Pavement marking including all necessary labor, materials and equipment, in place complete	LS	\$25,000.00	1	\$ 25,000.00
17	As-Built drawings	LS	\$10,000.00	1	\$ 10,000.00
	SCHEDULE A Base Bid (TOTA	L Item	s 1 through 17, inc	lusive)	\$ 3,407,848.00

	ption of Work: Archaeological monitoring.	,			
				,	SCHEDULE A - Additive Bld No. 1
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$_150,000.0	0 1	\$ <u>150,000.00</u>

Exhibit C (9 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

		500		Sc	hedule B – Base Bid
ltem No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$	1	\$
2	Insurance and Bonds	LS	\$	1	\$
3	Permits	L.S	\$	1	\$
4	installation of cured in place pipe (CIPP) lining in existing 21" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$	674	\$
5	Installation of cured in place pipe (CIPP) lining in existing 24" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$	723	\$

Exhibit C (10 of 15)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				Sch	nedule B – Base Bid
ltem No.	Description	Unit	Unit Price	Qty	Bid Amount
6	Installation of cured in place pipe (CIPP) lining in existing 30" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	ĹF	\$	1,590	\$
7	Installation of cured in place pipe (CIPP) lining in existing 36" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$	798	\$
8	Sewer Flow Control, 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, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$	1	\$

Exhibit C (11 of 15)

SCHEDULE B ~Base Bid Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work. Schedule B – Base Bid Item No. Description Unit Unit Price Qty Bid Amount Schedule B – BASE BID (TOTAL Items 1 through 8, inclusive) \$\frac{1}{5}\$

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid) SCHEDULE B - Additive Bid No. 1 Description of Work: CIPP part-liner or chemical grouting to control infiltration/inflow prior to CIPP lining. Schedule B -Additive Bid No. 1 CIPP part-liner or grouting to control infiltration on the existing 21" sewer line, where approved by the 1 Owner, including full compensation for all labor, LF 70 materials, supplies, equipment, tools, and all incidentals for completed work. CIPP part-liner or grouting to control infiltration on the existing 24" sewer line, where approved by the 2 Owner, including full compensation for all labor, LF 80 materials, supplies, equipment, tools, and all incidentals for completed work. CIPP part-liner or grouting to control infiltration on the existing 30" sewer line, where approved by the 3 Owner, including full compensation for all labor, LF 160 materials, supplies, equipment, tools, and all incidentals for completed work. CIPP part-liner or grouting to control infiltration on the existing 36" sewer line, where approved by the 4 Owner, Including full compensation for all labor, LF 160 materials, supplies, equipment, tools, and all incidentals for completed work. SCHEDULE B - Additive Bid No. 1 (TOTAL Items 1 through 4, inclusive)

Exhibit C (12 of 15)

	DULE B - Additive Bid No. 2 ription of Work: Archaeological monitoring.			
		4.35		SCHEDULE B – Additive Bid No. 2
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$ 1	\$

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of this Bid:
 - A. Required Bid security in the form of _____ Bid Bond
 - B. List of Proposed Major Suppliers;
 - C. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 - DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

Exhibit C (13 of 15)

ARTICLE 9 - BID SUBMITTAL

This Bid	submitted by:	
if Bidde	er is:	
<u>An Indi</u>	vidual	
Name (typed or printed);	
Ву:		
	(Individual's signature)	
	usiness as:	
Busines	s address:	-
Phone:	FacsImile:	
E-mail a	address:	
A Partn	<u>ership</u>	
Partner	ship Name:	(s
Ву:		
	(Signature of general partner - attach evidence of authority to sign)	
	(Signature of general partner - attach evidence of authority to sign)	
Name ((Signature of general partner - attach evidence of authority to sign) typed or printed):	
Name ((Signature of general partner - attach evidence of authority to sign) typed or printed): s address:	_
Name (Busines	(Signature of general partner - attach evidence of authority to sign) typed or printed):	55-15
Name (Busines Phone:	(Signature of general partner - attach evidence of authority to sign) syped or printed): s address:	55-15
Name (Busines Phone:	(Signature of general partner - attach evidence of authority to sign) typed or printed): s address:	98—18
Name (Busines Phone: E-mail a	(Signature of general partner - attach evidence of authority to sign) typed or printed): s address:	
Name (Busines Phone: E-mail a A Corpor	(Signature of general partner - attach evidence of authority to sign) typed or printed): s address:	
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Name (Busines Phone: E-mail a A Corpo Corpora State of Type (G	(Signature of general partner - attach evidence of authority to sign) typed or printed): s address: Facsimile: ddress: PROPACIFIC BUILDER CORPORATION Incorporation: GUAM eneral Business, Professional, Service, other): General Contractor	
Name (Busines Phone: E-mail a A Corpo Corpora State of	(Signature of general partner - attach evidence of authority to sign) typed or printed): s address: Facsimile: ddress: PROPACIFIC BUILDER CORPORATION Incorporation: GUAM eneral Business, Professional, Service, other): General Contractor	
Name (Busines Phone: E-mail a A Corpo Corpora State of Type (G	(Signature of general partner - attach evidence of authority to sign) typed or printed): s address: Facsimile: ddress: PROPACIFIC BUILDER CORPORATION Incorporation: GUAM eneral Business, Professional, Service, other): General Contractor (Signature - attach evidence of authority to sign)	
Name (Busines Phone: E-mail a A Corpora State of Type (G By: Name (f	(Signature of general partner - attach evidence of authority to sign) typed or printed):	
Name (Busines Phone: E-mail a A Corpo Corpora State of Type (G	(Signature of general partner - attach evidence of authority to sign) typed or printed):	
Name (Busines Phone: E-mail a A Corpora State of Type (G By: Name (f	(Signature of general partner - attach evidence of authority to sign) syped or printed): s address: Facsimile: ddress: PROPACIFIC BUILDER CORPORATION Incorporation: GUAM eneral Business, Professional, Service, other): (Signature - attach evidence of authority to sign) syped or printed): President (CORPORATE SEAL)	
Name (Busines Phone: E-mail a A Corpora State of Type (G By: Name (f Title:	(Signature of general partner - attach evidence of authority to sign) typed or printed):	
Name (Busines Phone: E-mail a A Corpor State of Type (G By: Name (t Title: Attest	(Signature of general partner - attach evidence of authority to sign) syped or printed): s address: Facsimile: ddress: PROPACIFIC BUILDER CORPORATION Incorporation: GUAM eneral Business, Professional, Service, other): (Signature - attach evidence of authority to sign) syped or printed): President (CORPORATE SEAL)	

EJCDC P-400, Suggested Bid Form for Procurement Contracts.

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Exhibit C (14 of 15)

Phone:	671-477-3109	Facsimile:	671-477-7424
	jgyc@guam.net		
A Limited Liability	Company (LLC)		
LLC Name:			
State in which org	ganized:		
(Signa	ture - attach evidence of author	ity to sign)	
Name (typed or p	rinted):		
Business address:			
Phone:		Facsimile:	
A Joint Venture			
First Joint Venture	er Name:		(SEAL)
Ву:			
(Signat	ure - attach evidence of author	ity to sign)	
Name (typed or p	rinted):		
	91.0		
Phone:		51 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	
Second Joint Vent	urer Name:		(SEAL)
Ву:			
(Signat	ure - attach evidence of author	ity to sign)	
Name (typed or pr	rinted):		
	4.00		-100000000
Business address:		-	
Phone:		Facsimile:	
E-mail address:			The second secon
Phone and Facsim	ile Number, and Address for rea	ceipt of official commu	nications to Joint Venture:
Com winter 5 3010 h	EJCDC P-400, Suggested Bid Form for	r Procurement Contracts.	and a Community

Exhibit C (15 of 15)

(Each joint venturer must sign. The manner of signing for each individual, partnership, corporation, and limited liability company that is a party to the joint venture should be in the manner indicated above.)

Exhibit D (1 of 17)





SEALED BID FOR: ROUTE 4 RELIEF SEWER LINE REHABILITATION AND REPLACEMENT (RE-BID)

BIDDER: INSITUFORM TECHNOLOGIES, LLC 17988 EDISON AVE CHESTERFIELD, MO 63005

GWA PROJECT NO. S15-006-EPA

CLOSING DATE AND TIME 5/25/2018 5/29/2018 3:00 PM

ATTENTION GUAM WATERWORKS AUTHORITY

GLORIA B. NELSON PUBLIC SERVICES BUILDING

688 ROUTE 15

MANGILAO, GUAM 96913

Vol. 1 of 2

Exhibit D (2 of 17)

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Article 6 - TIME OF COMPLETION	11
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Article 9 - BID SUBMITTAL	12

Exhibit D (3 of 17)

BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Guam Waterworks Authority

<u>Engineering Division, Room 202</u>

<u>Gloria B. Nelson Public Service Building</u>

<u>688 Route 15</u>

<u>Mangilao, Guam 96913</u>

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 Date
April 19, 2018
April 26,2018
may 15,2018
MAY 18, 20 8

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 <u>observable</u> 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.

Exhibit D (4 of 17)

- 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 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;
- Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- 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:
 - "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - "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;
 - "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

Exhibit D (5 of 17)

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 AND AWARD OF CONTRACTS

5.01 This contract is a multi-award contract through which more than one contract may be awarded through this solicitation. The Bid Schedule contains two schedules, Schedule A and Schedule B. Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the prices indicated under this article. The Bidder can elect to provide prices under Schedule A or Schedule B or both schedules. Bids must include all items under Schedule A or Schedule B, or both Schedule A and B. Each of Schedules A and B comprise Base Bid items and Additive Bid items. The Bidder shall provide base bid and additive bid(s) prices under each elected schedule.

Bids shall be evaluated by Schedule. Each of Schedules A and B shall be evaluated separately. The lowest responsive and responsible bidder shall be determined for each of Schedule A and Schedule B. Separate contracts will be awarded under Schedule A and Schedule B. One contract will be awarded to the lowest responsive and responsible bidder for Schedule A and one contract will be awarded to the lowest responsive and responsible bidder for Schedule B. If the same contractor is the lowest responsive and responsible bidder for both Schedules A and B, one contract for all the work under Schedules A and B will be awarded.

SCHEDULE A - Base Bid

	and temporary bypass and traine control as necessary			SCHEDULE A – Base Bid	
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$	1	\$
2	Insurance and Bonds	LS	\$	1	\$
3	Permits	LS	\$	1	\$
4	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$	22	\$
5	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$	12	\$
6	30" PVC pipe, installed by open trench, including existing pipe removal, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.	LF	\$	461	\$
7	Unclassified Trench Excavation and Backfill, including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, muck handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.	CY	\$	913	\$
8	Precast Sewer Manhole, SMH-6901A and 493A, including reinforced concrete base, precast concrete riser and cone, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$	2	\$

No bid on Schedule A

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

	and traine control as necessary				IEDULE A – Base Bid
item No.	Description	Unit	Unit Price	Qty	Bid Amount
9	Drop Precast Sewer Manhole, SMH-6908B, including demolition of existing SMH-10312, reinforced concrete base, precast concrete riser and cone, chimney, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$	1	\$
10	Rehabilitation of sewer manhole with epoxy coating, including cleaning, surface preparation, cementitious underlayment, concrete channel and bench construction, existing pipe cut & connection, plugging existing pipe, epoxy topcoat, grout injection for leak repair, traffic control work, and all incidentals, in place complete.	EA	\$	14	\$
11	Abandon existing sewer pipes including plugging and filling with CLSM, all incidentals, in place complete.	LF	\$	280	\$
12	Unplug 21" existing pipe, plug 15" existing SL-9650 and channel & bench reconstruction at SMH-6897	LS	\$	1	\$
13	Sewer Flow Control, 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 asphalt concrete (AC) pavement, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$	1	\$
14	Removal of existing pavement including all necessary labor, materials and equipment, in place complete	SY	\$	2,867	\$

Exhibit D (8 of 17)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE A - Base Bid

				SCF	(EDULE A – Base Bid
item No.	Description	Unit	Unit Price	Qty	Bid Amount
15	AC Pavement Resurfacing, including asphalt concrete base, cold planing, pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete	SY	\$	2,867	\$
16	Pavement marking including all necessary labor, materials and equipment, in place complete	LS		1	
17	As-Built drawings	LS		1	

scri	ption of Work: Archaeological monitoring.				
	A			SCHEDULE A – Additive Bid No. 1	
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$	1	\$

Exhibit D (9 of 17)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bid

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

	l land to the land				
				Scl	nedule B – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	L\$	\$ 800,000	1	5 800,000
2	Insurance and Bonds	LS	\$ 100,000	1	\$/00,000
3	Permits	LS	\$34,300	1	\$34,300
4	Installation of cured in place pipe (CIPP) lining in existing 21" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	ĻF	\$310.00	674	\$20 8 ,940
5	Installation of cured in place pipe (CIPP) lining in existing 24" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	5 <u>412</u> 00	723	<u>\$297876</u>

Exhibit D (10 of 17)

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

SCHEDULE B -Base Bld

Description of Work: CIPP lining 21", 24", 30" and 36" existing sewer pipes, providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				Sch	edule B – Base Bid
ítem No.	Description	Unit	Unit Price	Qty	Bid Amount
6	Installation of cured in place pipe (CIPP) lining in existing 30" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	LF	\$66700	1,590	\$ 1,060,530
7	Installation of cured in place pipe (CIPP) lining in existing 36" sewer line, including all labor, materials, supplies, equipment, tools, and incidentals for the complete installation of the liner, cleaning, wet out, preparation, leak repair, transition sections, removal and restoration of sewer manhole cone (if required for access), restoration of pavement and landscaping, removal of protruding laterals, liner termination at manholes, reworking manhole inverts and benches, testing of installed liner, Closed Circuit Television (CCTV) inspection for pre- and post- rehabilitation, traffic control work, and for all other related work.	ĻF	<u>\$929</u>	798	<u>5741,342</u>
85	Sewer Flow Control, 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, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	L5	\$ <u>755,</u> 700	1	\$ 755, 700

Exhibit D (11 of 17)

	Route 4 Relief Sewer Line	Rehabilitation and	d Replacement	Re-Bid)	
	Base Bid Work: CIPP lining 21", 24", 30" and ssary to complete the rehabilitation			g tempora	ary bypass and traffic
	2011 - 2011 - 2011			Sch	edule 8 – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
	Schedule B – BASI	E BID (TOTAL Item:	1 through 8, in	clusive)	\$3,998,688

	Route 4 Relief Sewer Line Rehabilit				
Desc	ription of Work: CIPP part-liner or chemical grouting to		l infiltration/inflow		o CIPP lining. Schedule B - Additive Bid No. 1
1	CIPP part-liner or grouting to control infiltration on the existing 21" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	<u>\$ 2330</u>	70	\$163, 100°°
2	CIPP part-liner or grouting to control infiltration on the existing 24" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	\$ 2330 CC	80	\$186,400°
3	CIPP part-liner or grouting to control infiltration on the existing 30" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	\$2960°	160	\$473,600°°
4	CIPP part-liner or grouting to control infiltration on the existing 36" sewer line, where approved by the Owner, including full compensation for all labor, materials, supplies, equipment, tools, and all incidentals for completed work.	LF	<u>\$2960</u>	160	5 473,600°
	SCHEDULE B - Additive Bid No. 1 (TOT	AL iter	ns 1 through 4, inc	lusive)	\$5,295,388

Exhibit D (12 of 17)

	DULE 8 - Additive Bid No. 2 ription of Work: Archaeological monitoring.				
				-	SCHEDULE B - Additive Bid No. 2
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$ 35,000	1	\$35,000

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of this Bid:
 - A. Required Bid security in the form of <u>bidder's bond</u>
 - B. List of Proposed Major Suppliers;
 - C. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 - DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

EJCDC P-400, Suggested Bid Form for Procurement Contracts.

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World HQ: 17988 Edison Avenue Chesterfield MO 63005 Fax: 636-530-8701

636-530-8000

Local Off: 9654 Titan Court

303-791-7199

Littleton CO 80125 Fax: 303-791-7399

GWA Route 4 Releif Sewer Line Rehabilitation and Replacement, Project No. S15-006-EPA

LIST OF SUBCONTRACTORS Selection for Insituform

CCTV/CLEARING-M			
- m	PC217		
	- M	- Mocon	

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World HQ: 17988 Edison Avenue Chesterfield MO 63005 Fax: 636-530-8701

636-530-8000

Local Off: 9654 Titan Court Littleton CO 80125 Fax: 303-791-7399

303-791-7199

GWA Route 4 Releif Sewer Line Rehabilitation and Replacement, Project No. 515-006-EPA

LIST OF Suppliers Selection for Insituform

1,	CIPP—Insituform
2.	
3.	
4.	
5.	

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ARTICLE 9 - BID SUBMITTAL

9.01

This Bid submitted by:	
If Bidder Is:	
An Individual	
Name (typed or printed): N/A	
Ву:	
(Individual's signature)	
Doing business as:	
Business address:	
Phone:Facsimile:	
E-mail address:	
A Partnership	
N/A	/CCA+1
Partnership Name:	(SEAL)
Ву:	
(Signature of general partner - attach evidence of authority to sign)	
Name (typed or printed):	
Business address:	
Phone:Facsimile:	
E-mail address:	
A Community	
A Corporation N/A	
Corporation Name:	
State of Incorporation:	
Type (General Business, Professional, Service, other):	
By:(Signature - attach evidence of authority to sign)	
Name (typed or printed):	
Title:	
(CORPORATE SEAL)	
Attest	
(Signature of Corporate Secretary)	
Business address:	
EJCDC P-400, Suggested Bid Form for Procurement Contracts.	

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Phone:	Facsimile:	
E-mail address:	-	
A Limited Liability Company (LLC)		
LLC Name: Insituform Technologies, LLC	3	
State in which organized: Delaware	_	
By: Whithun Schulte		
(Signature of bttach evidence of authority to	o sign)	
Name (typed or printed): Whittney Schulte		
Titles Contracting & Attenting Officer		
		<u></u>
Chesterfield, MO 63005	·	
Phone: 636-530-8000	Facsimile:	636-530-8701
E-mail address: WSchulte@Aegion.com	-	
A Joint Venture		
First Joint Venturer Name:N/A		(SEAL)
Ву:		
(Signature - attach evidence of authority to	sign)	
Name (typed or printed):		
Title:		
Business address:		
Dhone	Casimila	190
Phone:		
E-mail address:		(SEAL)
	537	(SEAL)
By:		
(Signature - attach evidence of authority to	sign)	
Name (typed or printed):		
Title:		
Business address:		
Phone:	Facsimile:	
E-mail address:	kg.	
Phone and Facsimile Number, and Address for receipt	of official comm	nunications to Joint Venture:
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INSTRUFORM TECHNOLOGIES, LLC

PRESIDENT APPOINTMENT OF OFFICERS

Pursuant to the authority set forth in the Limited Liability Company Agreement of Insituform Technologies, LLC (the "Company"), I hereby determine that:

- 1. Christlanda Adkins, Laura M. Andreski, Janet Hass, Jana Lause, Diane Partridge, Whitmey Schulte, and Ursula Youngblood are appointed as Contracting and Attesting Officers of the Company, each with the authority, individually and in the absence of the others, subject to the control of the Board of Managers of the Company, (i) to certify and to attest the signature of any officer of the Company, (ii) to enter into and to bind the Company to perform pipeline rehabilitation activities of the Company and all matters related thereto, including the maintenance of one or more offices and facilities of the Company, (iii) to execute and to deliver documents on behalf of the Company, and (iv) to take such other action as is or may be necessary and appropriate to carry out the project, activities and work of the Company; and
- 2. All other Contracting and Attesting Officers of the Company appointed by the President of the Company prior to the date of this appointment are hereby removed from office.

Dated: September 20, 2017

Frank R. Firsching

President

Exhibit B

AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

THIS AGREEMENT is by and between the Guam Waterworks Authority ("Owner") and ProPacific Builder Corporation ("Contractor").

Owner and Contractor hereby agree as follows:

ARTICLE 1 - WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

Work under Schedule A consists of replacing 24" Spirolite pipe with 30" PVC pipe, installation of new 18" PVC pipe intertie, construction of precast concrete manholes, sewer manhole rehabilitation with epoxy coating, channel construction, disconnection and reconnection of lateral sewer pipes, abandoning existing sewer pipes and providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

ARTICLE 2 – THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid); GWA Project No. S15-006-EPA.

ARTICLE 3 - ENGINEER

- 3.01 The part of the Project that pertains to the Work has been designed by AECOM.
- 3.02 The Owner has retained EMPSCO Engineering Consultants ("Engineer") to act as Owner's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

- 4.01 Time of the Essence
 - A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.
- 4.02 Contract Times: Days
 - A. The Work for the Base Bid contains two schedules, Schedule A and Schedule B. Contract Times will be awarded separately as indicated below under Schedule A and Schedule B. One contract will be awarded to the lowest responsive and responsible bidder for Schedule A and one contract will be awarded to the lowest responsive and responsible bidder for Schedule B. If the same contractor is the lowest responsive and responsible bidder for both Schedules A and B, one contract will be awarded for all the work under Schedules A and B.

- For a separate contract for Schedule A, the Work for the Schedule A Base Bid will be substantially completed within 450 days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 480 days after the date when the Contract Times commence to run.
- B. Parts of the Work shall be substantially completed on or before the following Milestone(s):
 - 1. Milestone 1 [event & date/days] NA
 - 2. Milestone 2 [event & date/days] NA
 - 3. Milestone 3 (event & date/days) NA

4.03 Liquidated Damages

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with the Contract. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):
 - Substantial Completion: Contractor shall pay Owner \$3,000.00 for each day that
 expires after the time (as duly adjusted pursuant to the Contract) specified in
 Paragraph 4.02.A above for Substantial Completion until the Work is substantially
 complete.
 - Completion of Remaining Work: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$3,000.00 for each day that expires after such time until the Work is completed and ready for final payment.
 - 3. Liquidated damages shall be assessed against the Contractor(s) separately for the work performed under Schedule A and the work performed under Schedule B.
 - 4. Liquidated damages for failing to timely attain Substantial Completion and final completion are not additive and will not be imposed concurrently.
 - Milestones: Contractor shall pay Owner \$ NA for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for achievement of Milestone 1, until Milestone 1 is achieved.

4.04 Special Damages

A. In addition to the amount provided for liquidated damages, Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete. B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

ARTICLE 5 - CONTRACT PRICE

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amounts that follow, subject to adjustment under the Contract:
 - A. For all Work under Schedule A Base Bid other than Unit Price Work, a lump sum of: \$Three Million Four Hundred Seven Thousand Eight Hundred Forty Eight US Dollars (\$3,407,848.00).

All specific cash allowances are included in the above price in accordance with Paragraph 13.02 of the General Conditions.

B. For all Unit Price Work, an amount equal to the sum of the extended prices (established for each separately identified item of Unit Price Work by multiplying the unit price times the actual quantity of that item):

No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
otal of all	Extended Prices for Unit P	rice Work (subi	ect to final adju	stment	

The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

- C. Total of Schedule A Lump Sum Amount and Unit Price Work (subject to final Unit Price adjustment) \$3,407,848.00.
- D. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ARTICLE 6 – PAYMENT PROCEDURES

- 6.01 Submittal and Processing of Payments
 - A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 Progress Payments; Retainage

- A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the 15th day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.
 - 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract
 - a. 90 percent of Work completed (with the balance being retainage). And
 - b. <u>90</u> percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).
- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 100 percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less 200 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

6.03 Final Payment

A. Upon final completion and acceptance of the Work in accordance with Paragraph 15.06 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 15.06.

ARTICLE 7 - INTEREST

7.01 All amounts not paid when due shall bear interest at the rate of 6 percent per annum.

ARTICLE 8 – CONTRACTOR'S REPRESENTATIONS

- 8.01 In order to induce Owner to enter into this Contract, Contractor makes the following representations:
 - A. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
 - B. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - C. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - D. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the

Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor's safety precautions and programs.
- F. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
- G. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
- H. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
- The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
- Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

ARTICLE 9 – CONTRACT DOCUMENTS

9.01

Cor	itents	
A.	The	Contract Documents consist of the following:
	1.	This Agreement (pages 1 to <u>8</u> , inclusive).
	2.	Performance bond (pages <u>1</u> to <u>3</u> , inclusive).
	3.	Payment bond (pages <u>1</u> to <u>3</u> , inclusive).
	4.	Other bonds.
		a (pages to, inclusive).
	5.	General Conditions (pages <u>1</u> to <u>65</u> , inclusive).
	6.	Supplementary Conditions (pages <u>1</u> to <u>18</u> , inclusive).
	7.	Specifications as listed in the table of contents of the Project Manual.
	8.	The Drawings listed on the attached sheet index.
	9.	Addenda (numbers <u>1</u> to <u>4</u> , inclusive).
	10.	Exhibits to this Agreement (enumerated as follows):

a. Contractor's Bid (pages <u>1</u> to <u>10</u>, inclusive).

NOTE(S) TO USER:

- 11. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - Notice to Proceed.
 - b. Work Change Directives.
 - c. Change Orders.
 - d. Field Orders.
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

ARTICLE 10 - MISCELLANEOUS

10.01 Terms

A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

10.02 Assignment of Contract

A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 Successors and Assigns

A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

10.04 Severability

A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

10.05 Contractor's Certifications

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:
 - "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 or in the Contract execution;
 - "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, 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 or affect the execution of the Contract.

10.06 Other Provisions

A. Owner stipulates that if the General Conditions that are made a part of this Contract are based on EJCDC® C-700, Standard General Conditions for the Construction Contract, published by the Engineers Joint Contract Documents Committee®, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement. This Agreement will be effective on 9-13-19 (which is the Effective Date of the Contract). **OWNER:** CONTRACTOR: **Guarn Waterworks Authority ProPacific Builder Corporation** BORDALLO P By: MIGUE By: **JEAN YEON YU** Title: General Manager Title: President (If Contractor is a corporation, a partnership, or a joint venture, attach evidence of auth@rity to sign. Attest: Attest: Title: Title: Address for giving notices: Address for giving notices: Gloria B Nelson Public Service Building 750 Route 8 688 Route 15 Suite 202, Hanam Plaza Mangilao Guam 96913 Barrigada, Guam 96913 License No.: 5135 Certificate No.: C-0518-0147 (where applicable) (If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.) **CERTIFIED FUNDS AVAILABLE:** APPROVED AS TO FORM: Ву: GREG P. CRUZ **KELLY O. CLARK GWA Chief Financial Officer GWA General Counsel** Date: **Contract Amount:** \$3,407,848.00 \$ 340,784.80 Contingency: **Amount Certified:** \$3,748,632.80 **Funding Source:** \$3,407,848.00 USEPA State Revolving Fund – Grant No. M96902617 \$ 340,784.80 2016 GWA Bond WW 09-06 Wastewater Collection System/Rehabilitation Program

EXHIBIT A

BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Guam Waterworks Authority
Engineering Division, Room 202
Gioria 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	April 19, 2018
Addendum No. 2	April 26, 2018
Addendum No. 3	May 15, 2018
Addendum No. 4	May 18, 2018

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 <u>observable</u> 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 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 anything of value likely to influence the action of a public official in the bidding process;
 - "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;
 - "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 AND AWARD OF CONTRACTS

5.01 This contract is a multi-award contract through which more than one contract may be awarded through this solicitation. The Bid Schedule contains two schedules, Schedule A and Schedule B. Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the prices indicated under this article. The Bidder can elect to provide prices under Schedule A or Schedule B or both schedules. Bids must include all items under Schedule A or Schedule B, or both Schedule A and B. Each of Schedules A and B comprise Base Bid items and Additive Bid items. The Bidder shall provide base bid and additive bid(s) prices under each elected schedule.

Bids shall be evaluated by Schedule. Each of Schedules A and B shall be evaluated separately. The lowest responsive and responsible bidder shall be determined for each of Schedule A and Schedule B. Separate contracts will be awarded under Schedule A and Schedule B. One contract will be awarded to the lowest responsive and responsible bidder for Schedule A and one contract will be awarded to the lowest responsive and responsible bidder for Schedule B. If the same contractor is the lowest responsive and responsible bidder for both Schedules A and B, one contract for all the work under Schedules A and B will be awarded.

SCHEDULE A - Base Bid

	ing temporary bypass and transc control as necessary				EDULE A – Base Bid
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	LS	\$ <u>293,780.</u> 0¢		\$ 293,780.00
2	Insurance and Bonds	LS	\$132,201.00	1	\$ 132,201.00
3	Permits	LŞ	\$44,067.00	1	\$ 44,067.00
4	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$ <u>1,500.00</u>	22	\$ 33,000.00
5	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$ <u>1,800.00</u>	12	\$ 21,600.00
6	30" PVC pipe, installed by open trench, including existing pipe removal, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.	LF	\$_2,000.00	461	\$_922,000.00
7	Unclassified Trench Excavation and Backfill, including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, muck handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.	СУ	\$ 600.00	913	\$_547,800.00
8	Precast Sewer Manhole, SMH-6901A and 493A, including reinforced concrete base, precast concrete riser and cone, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$ <u>30,000.0</u> 0	2	\$_60,000.00

SCHEDULE A - Base Bid

PIOVIG	ing temporary bypass and transc control as necessary			SCH	EDULE A – Base Bid
item No.	Description	Unit	Unit Price	Qty	Bid Amount
9	Drop Precast Sewer Manhole, SMH-6908B, including demolition of existing SMH-10312, reinforced concrete base, precast concrete riser and cone, chimney, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$ <u>30,000.0</u> 0	1	\$_30,000.00
10	Rehabilitation of sewer manhole with epoxy coating, including cleaning, surface preparation, cementitious underlayment, concrete channel and bench construction, existing pipe cut & connection, plugging existing pipe, epoxy topcoat, grout injection for leak repair, traffic control work, and all incidentals, in place complete.	EA	\$_22,500.00	14	\$ <u>315,000.00</u>
11	Abandon existing sewer pipes including plugging and filling with CLSM, all incidentals, in place complete.	LF	\$ 250.00	280	\$ 70,000.00
12	Unplug 21" existing pipe, plug 15" existing SL-9650 and channel & bench reconstruction at SMH-6897	LS	\$30,000.00	1	\$ 30,000.00
13	Sewer Flow Control, 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 asphalt concrete (AC) pavement, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$ <u>300,000.</u> 0	1	\$_300,000.00
14	Removal of existing pavement including all necessary labor, materials and equipment, in place complete	SY	\$ 50.00	2,867	\$_143,350.00

SCHEDULE A - Base Bid

				SCH	EDULE A – Base Bid
ltem No.	Description	Unit	Unit Price	Qty	Bid Amount
15	AC Pavement Resurfacing, including asphalt concrete base, cold planing, pavement transitions, prime coat, tack coat, traffic striping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete	SY	\$ 150.00	2,867	\$ 430,050.00
16	Pavement marking including all necessary labor, materials and equipment, in place complete	LS	\$25,000.00	1	\$ 25,000.00
17	As-Built drawings	LS	\$10,000.00	1	\$ 10,000.00
	SCHEDULE A Base Bid (TOTA	\ <u>L Item</u>	s 1 through 17, inc	:lusive)	\$ 3,407,848.00

esci ij	ption of Work: Archaeological monitoring.			SCHEDULE A -
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	ıs	\$ 150,000.0	\$ <u>150,000.00</u>

-	Route 4 Relief Sewer Line Rehabilita DULE B - Additive Bid No. 2 iption of Work: Archaeological manitoring.	ition a	nd Replacemei	nt (Re-Bid)	
					SCHEDULE B — Additive Bid No. 2
1	Archaeological and cultural resource services to add new laydown staging areas outside of the suggested areas or outside of the area of potential effect as defined the Archaeological Monitoring and Data Recovery Plan for the project and resubmit to the Department of Parks and Recreation, Guam Historic Resources Division/State Historic Preservation Office for approval and acceptance.	LS	\$	_ 1	\$
	SCHEDULE B - Additive Bid	No. 2	TOTAL Items 1	, inclusive)	\$

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of this Bid:
 - A. Required Bid security in the form of _____ Bid Bond
 - B. List of Proposed Major Suppliers;
 - C. Required Bidder Qualification Statement with Supporting Data.

ARTICLE 8 - DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

Exhibit C



Gioria B. Nelson Public Service Building 688 Route 15, Mangilao, GU 96913 Engineering Division

Phone: (671) 300-6058 Fax: (671) 647-2621



2 1 11 2 2 2 2 2	 -	RDER NO. 1	
Project No. & Title:	Route 4 Relief Sewerline Rehabilitat	ion and Replacement	·
0-1-1-1-1-1-1	GWA Project No. S15-006-EPA	0.1-10-1-10-1	0-4-40 0040
Contractor's Name:	ProPacific Builders Corporation	Original Contract Date:	September 13, 2018
TO: ProPacific	c Builders Corporation		
	changes noted below in the subject contract. The chan	— loes are accepted by:	
		,	/
_		PREPARED BY:	1-1
Vice gra-E s	cabillas, Operations Manager	1-05-1-60	1/10/2020
Contractor Regresentativ	re (Print Name & Tille)	George Watson	Date
Jelh 1		Porect Engineer	
ישודו -	1 1/4 //6/15		
UIT		<i>Y </i>	111017070
Signature	Date '	John Riegel P.E.	Date
1		Managing Engineer	C
1			
		RECOMMEND APPROVAL	L:
G.L. NO.	\$202.105321.420000	mared	01/14/2020
Contract No.:	795 OS	The second secon	
Vendor No.:	26731	Thomas Cruz, P.E.	thry chief England
Amount:	\$276,780.19 (M9697817)	Chief Engineer /+2	wind court al
Nature of Changes:			
	s of \$276,760.19 will come from the project continger addition of the \$276,760.19, the new contract value w		
Endosures:			
1) ProPac	cific "Request for Time Extension" letter		
2) ProPac	iffic "Request for Cost Adjustment Due to DPW Perm	nit Conditions" letter	
The changes arould be th	a fallendag adjustment of posteret arise and time.		
Contract price prior to this	e following adjustment of contract price and time:		\$3,407,848.00
	from this Change Order (subject to approved terms & co	anditions)	\$276,760.19
Current contract price incl		,	\$3,684,608.19
•	Change Order 480 calendar days		
	resulting this Change Order 193 calendar days		
	uding this Change Order 673 calendar days		
CERTIFIED FUNDS AVA			
Mut	the superior		
Taling M. Taltano			
Chief Financial Officer, GI	WA 1		
Date: 2/4/20	So despetalos	,	
		APPROVED:	
		MININ	
		al O Dandall D	(Name P Title)
		el C. Bordallo, PE	(Name & Title) Finance/Accounting
	G	eneral Manager	1 1
	7	6.201	Date:

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	ost Adju	stmen	t Due t	o DPW P	Cost Adjustment Due to DPW Permit Conditions			
			Cost on I	Cost on Existing Contract	tract	0	hange Or	Change Order Cost
Description	Contract	Q.	Unite	Unit Cost	Reference	Add'l Qty	Unit	Cost Adjustment
1 Extended Permit and Clearance Fees (DZSP & HEP only)					See Cost Reference "A"			
Highway Encroachment Permit				25.00	HEP -19-007	9	Mo	150.00
DZSP Clearance		:		1,650.00	DZSP21 Dig Permit	2	/3 Mo.	3,300.00
2 Direct Costs	340,784.80	15	Mo	22,718.99		6.5	Mo	
Operations Manager				4,000.00		n	Mo	12 000 00
Project Manager				6,000.00		6.5	Mo	39,000.00
Liaison Officer/Project Engineer				4,000.00		6.5	Mo	26,000.00
Site Superintendent				4,000.00		2	Mo	8.000.00
Office Expenses & Service Vehicles				4,718.99		6.5	Wo	30.673.44
3 Additional Traffic Control Devices and Set-ups.					See Cost Reference "C":			
Traffic Signs		18	Set	145.20	Pacific Sign Shop Invoice	56	į	8 131 20
Number of Set-ups (& Removal)		107	蹈	20.00	See Cost Reference "C"	168	H.	3 360 00
Advisory Boards (first 3 sets not charged)		0	Sec	491.48	Pacific Sign Shop Invoice	6	Set	1,474.45
Arrow Panel		2	Set	14,139.00	Nico & CTSI Invoice		Set	14 139 00
Workers 1 Hr. Idle Time Adjustment (Equipments not charged)				167.66	See Cost Reference "D"	188	WD	31,521.00
					SUB-TOTAL			177,749.09
					Overhead & Profit (15%)			26,662.36
					SUB-TOTAL			204,411.45
					GRT (5.21%)			10,654.95
5 Extended Bond & Insurance	132,201.00	15	Mo	8,813.40	See Cost Reference "E": SOV Item 2.0	7	Mo	61,693.80
					TOTAL COST			276,760.19



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Sulte 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date;

August 15, 2019

To:

George Watson, PE Program Manager Brown & Caldwell

Thru:

Tyrone De Guzman, PE

Project Manager

EMPSCO Engineering Consultants

Subject:

S15-006-EPA (Schedule A)

Route 4 Relief Sewerline Rehabilitation and Replacement

Reference: REQUEST FOR TIME EXTENSION

Dear Mr. Watson,

May I inform you that the remaining time of 126 CD under our contract is no longer sufficient to successfully finish the project. Based on PPBC's contract time of 450 CD and the approved revised Construction Schedule, PPBC's scheduled permitting time = 161 CD, other General Requirements = 147, and Construction = 276 CD including Close-outs (please see Exhibit "A").

PPBC initially alloted 71 CD permitting time on the Start-up Construction Schedule for the remaining agencies not completed by AECOM submitted on Nov. 7, 2018 and later adjusted it to 161 CD on the revised Construction Schedule which was approved on March 01, 2019. Still, duration of permit application process took longer which also exceed the time alloted to General Requirements, (Administrative & Material Submittals, Government Reviews, Off-island Material Procurement, & Fabrications including deliveries) and to include Guam DPW permit conditions, the remaining time under our Construction is no longer sufficient. The following are the circumstances that go beyond our control:

1. Supporting Documents:

• Although PPBC continue the permit application right-away upon receipt of the permit application form and permit drawings from AECOM dated Oct. 5, 2018, PPBC requested the required supporting documents such as Section 106 Review as well as authorization letters in advance from BrnCald & RPR (during the Pre-Con Meeting) but just recieved the Section 106 Review on Oct. 17, 2018 (after 2 weeks) and the authorization on Nov. 1, 2018 (after a month) which resulted the clearance application stucked in DPR. Not until copy of Section 106 was provided to DPR they did sign the clearance.

2. New Requirements:

- New requirements in the processing of Building Permit were applied in this project and being high
 visibility project, permitting agencies became more stringent in processing the permit. Some forms were
 revised by permitting agencies such as the HEP routing slip wherein a lot of government agencies and
 private utility companies were added, each have their own requirement especially DZSP-21.
- PPBC processed HEP clearance upon receipt of the Permit application form and Permit Drawings
 knowing that this is a pre-requisite of DPW-Highways Division in processing Building Permits for road
 projects. The new routing slip have added a lot of utility companies and agencies that need to sign off in
 the clearance (please see attachment "2" in the Timelines).
- Difficulty in acquiring clearance from DZSP-21 due to base access is also an additional factor. We have to set-up meetings with DZSP personnel outside the base on their convenient times during the processing of the clearance. Furthermore, eventhough I have explained to them that the project is off-base and is not DoD-funded project, they still applied their own procedure with their own Dig Permit routing slip that went to many sections similar to the one from DPW-HEP before DZSP supervisor will sign the clearance form from DPW. After regular follow-up & communications, they sign the clearance after 2 weeks, dated Oct. 22, 2018.

3. GEPA Processing:

- While processing the DPW-HEP clearance, PPBC started in doing plans & shop drawing submittals required by GEPA (simutaneous with the project submittals intended for the CM) including those which are not required by contract. Researches, study of methods, & sourcing of materials & equipments to be incorporated in these plans were also done during this period. PPBC submitted these to GEPA on October 16, 2018 and received review comments on Nov. 9, 2018 after constant follow-up thru personal appearances, phone calls, & e-mails.
- GEPA is not satisfied on the Erosion & Sediment Control Drawings incorporated in the Permit Drawings so they require a separate pages of ESC Plans. PPBC relayed the comments on Nov.9, 2018 to CM and BrnCald since this is still part of the design but they just asked us to do it. We requested CAD files right-away to generate the required drawings and received the requested CAD files from BrnCald, almost 3 weeks after the request. We finally able to submit the PE signed & sealed ESC Drawings to GEPA on January 24, 2019. Submittals that previously have "RR" reviews were also resubmitted on February 6, 2019 and the BP clearance was finally signed on February 14, 2019 while the HEP clearance was signed on February 20 and both clearances were released on February 20, 2019. It took 4 months & 4 days (from Oct. 16, 2018 Feb. 20, 2019) before it was signed off.
- Just like the DPW-Highways Div, GEPA are hesitant to sign the clearance and approve the submitted plans citing the complexity of the project. They sign off the clearance after PPBC provided all information they are requiring and with aggressive follow ups. With all these difficulties and delays incurred from GEPA, still PPBC did not include the delay of 100 CD on our claim for time extension.

4. DPW Processing:

- Traffic control plans were resubmitted to and rejected by DPW-Highways multiple times. It took seven (7) revisions and resubmissions before it was finally accepted by DPW-Highways Division and forwarded the processing to DPW-Engineering Div.
- DPW-Highways Division required Night-time Traffic Control Plans, Re-routing Schemes, and a new Laydown area. Although PPBC drafted the drawings to fast-track the design, AECOM that will sign and seal the drawings is off-island for 2 weeks.

• DPW-Highway Division personnel does not want to sign the clearance eventhough we comply to all requirements citing the complexity of the project and their frustrations to other GWA highway projects. It took four (4) months (from February 20, 2019 to June 20, 2019) with multiple meetings, interference by Agency General Managers, and revision in design and scope to reduce lane closures before it was finally approved with conditions by DPW-Highways Division and forwarded the processing to DPW-Engineering Div.

(Please see exhibit "B").

5. Permit Conditions:

a. Working Time Limitations: DPW approved the permit with conditions that "No work between the hours of 6:00AM-9:00AM and 4:00PM-6:00PM during weekdays" . This reduced our production time of 2 hours daily or 25% although we need to pay our equipment rentals and our workers the complete 8 hours daily otherwise we are going to lose them.

(Please see exhibit "C")

b. Construction Sequence Limitations: DPW-Highways does not allow us to have open excavation works in 2 locations simultaneously per our meeting with them (BrnCald was represented in that meeting). In our submitted Initial Construction Schedule, constructions of new SMHs will be done simultaneously. In their condition, we need to add time for the duration to construct 1 SMH in the schedule.

Although we recognize that the time for performing under the agreement is essential, with these circumstances that are beyond our control, which have made a great impact on our construction schedule to complete the project on time, we are requesting for an extension of 193 CD in order for us to complete the project that conforms to our agreement.

Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

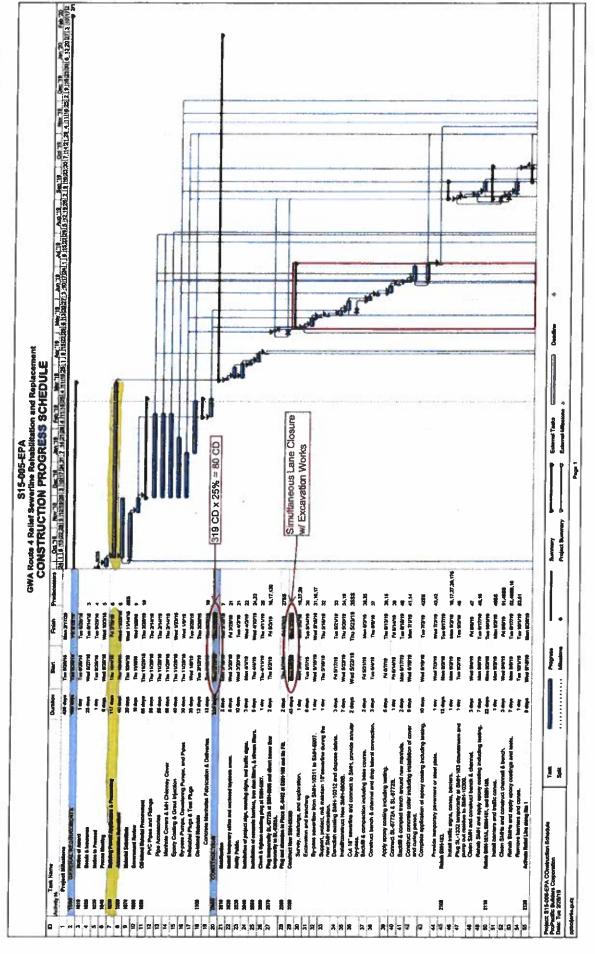
Sincerely,

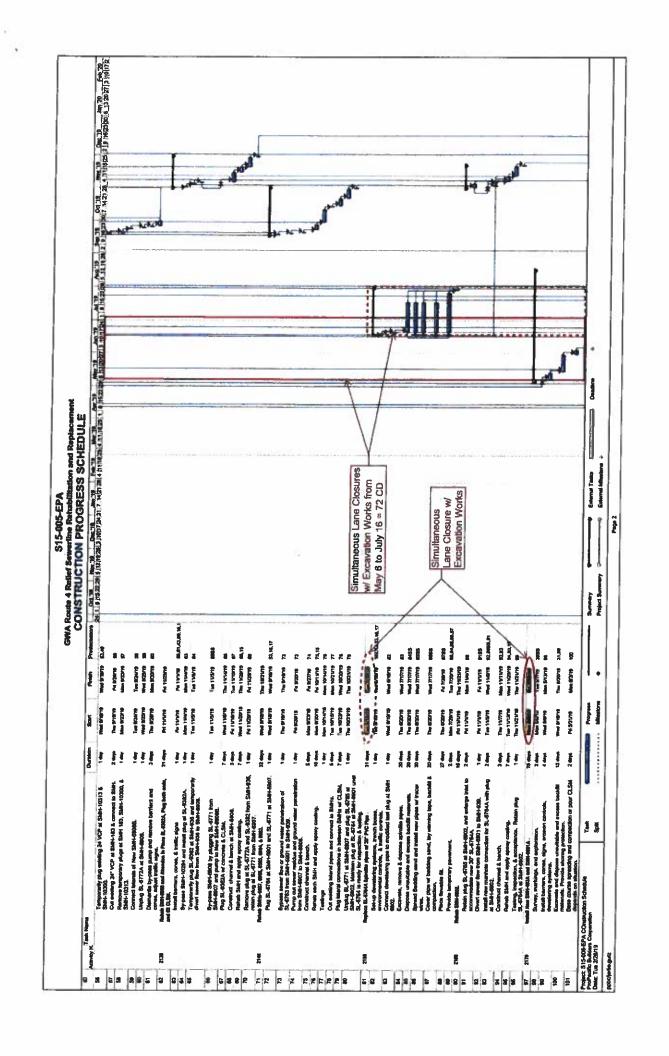
Jerlie M. Chalerrez Project Manager

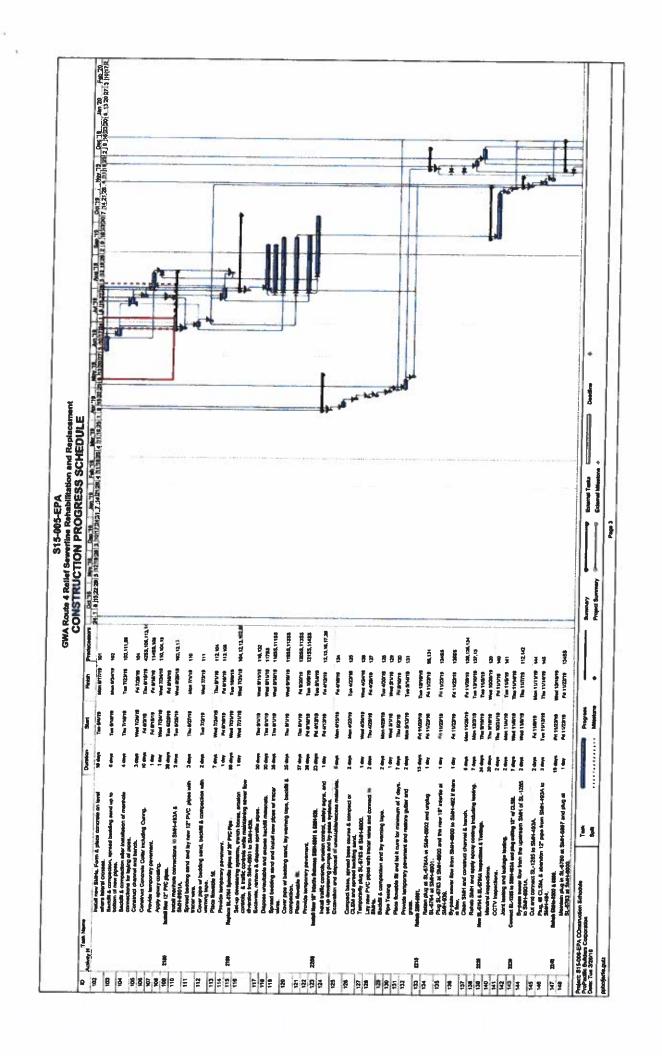
ProPacific Builders Corp.

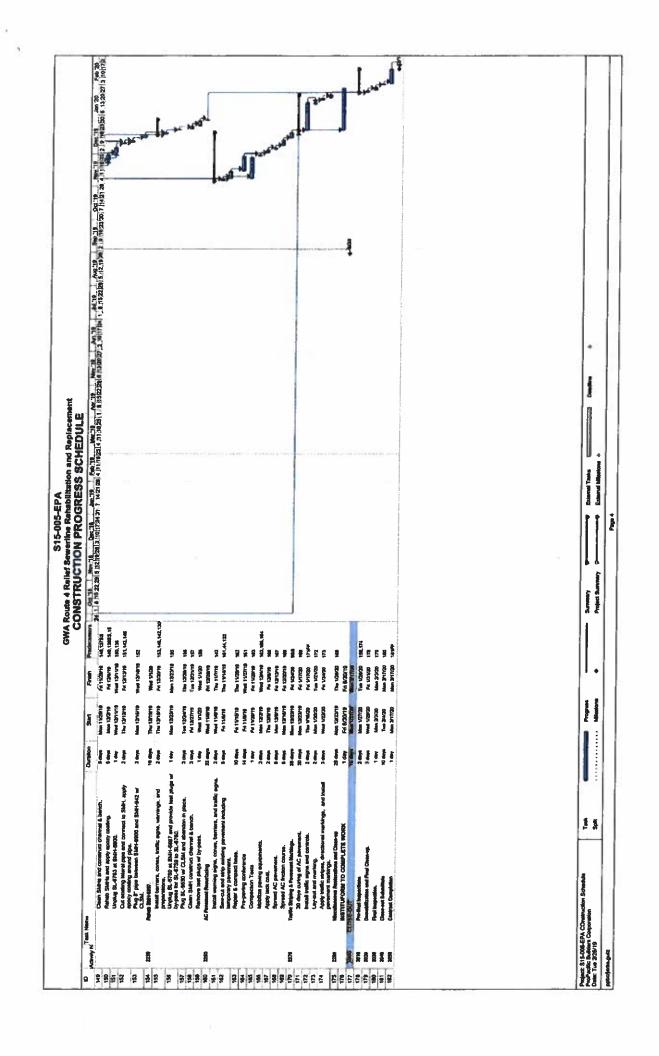
	TI	ME L	OST	. —		
	A.	Pen	niting Application:		_	_
		1.	Supporting Documents		9	CD
		2.	New Requirements		14	CD
		3.	GEPA Processing	127-27	100	CD
		4.	DPW Processing	120-13	107	CD
	В.	Perm	nit Conditions:			
		1.	2 hrs/day lost or 25% of Const. Period	276 CD x 25%	69	CD
		2.	Lost Days for Supposedly Simultaneous Lane Closure associated w/ Excavation Work		72	CD
	C.	Tota	l:		371	CD
II. TIME REQUESTED:						
	Α.	_	nit Process;			
		1.	Anticipated Bldg. Permit released on approved Cactual released: From March 15, 2019 to June 27		104	CD
Т	В.	Perm	uit Conditions:			
1	ъ,	.	2 hrs/day lost or 25% of Const. Period	276 CD x 25%	69	CD
			Lost Days for Supposedly Simultaneous Lane Closure associated w/ Excavation Work		72	CD
			is .			
_	C.	Total	number of days requested:		245	CD
				0).	193	CD

× ×











PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation) 750 Route 8 Suite 202 Hanam Plaza, Barrigada, Guam 96913

T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date;

November 29, 2019

To:

George Watson, PE Program Manager Brown & Caldwell

Thru:

Tyrone De Guzman, PE

Project Manager

EMPSCO Engineering Consultants

Subject:

S15-006-EPA (Schedule A)

Route 4 Relief Sewerline Rehabilitation and Replacement

Reference: REQUEST FOR COST ADJUSTMENT DUE TO DPW PERMIT CONDITIONS

Dear Mr. Watson,

Due to the conditions set by DPW on our Building Permit and Highway Encroachment Permit which limit the working time during normal work days to just six (6) hours per day instead of 8 hours, a time adjustment is necessary and this will likewise impact the cost to successfully complete the project. Attached is the detailed calculations and references for our request of cost adjustment associated with the impact of DPW Permit Conditions for the said project. Below are the explanations for the calculations:

- 1. Permits & Clearances: All utility clearances are required to be renewed to cover the duration of the construction phase. DPW-HEP and DZSP charge fee for these (please see attached copies of the receipts). We did not put our marked up on these as well as labor cost for processing.
- 2. Direct Costs : Please see breakdown on the calculation.
- 3. Additional Traffic Control Devices and Set-ups: Please see the attached spreadsheet comparing the quantities of temporary traffic signs from Bid Drawings versus the Final Permit Drawings approved by DPW. We minimized the order quantities as much as possible.
- 4. Workers 1-hr Idle Time Adjustment: DPW approved the permit with conditions that "No work between the hours of 6:00AM-9:00AM and 4:00PM-6:00PM during weekdays". This reduced our production time of 2 hours daily although we need to pay our workers the complete 8 hours daily otherwise we are going to lose them. Only 1-hr idle time was charged based on our 2nd negotiation with EMPSCO and the other 1-hr will be shouldered by PPBC.
- 5. Bond & Insurance: Insurance companies insured the projects by month. We divided our contract cost item by month to the original duration of the project in getting the unit cost as a basis.

To have our share of the burden with the government, although the following are direct cost on our part we did not charge these:

- 1. We did not put labor cost for the processing of Permits and Clearances renewals.
- 2. Additional dewatering costs brought about by this limitation in time such as manpower, pumps & hoses, and gasoline consumptions. Since number of days for excavation activity became greater than an 8-hour working days, so as the number of times we have to dewater the trenches. Dewatering the trenches each day before we can start digging usually takes 2-3 hours or more.
- 3. Heavy equipments idle time and extended rental cost.
- 4. Concrete barriers and the additional traffic drums required by DPW and other high visibility warning devices.
- 5. The first set of re-routing advisory boards (3 each) including installation cost. These were replaced with new ones.
- 6. Additional temporary traffic signs with stands requested by Sinajana Mayor.
- 7. Although we already have a big excavator on site intended for trenching works, we were forced to rent a smaller excavator to fit in our activity area just to comply with the "2-lane open at all times" condition of the permit.
- 8. Overtime payment for Outside Normal Work Hours of the RPR and archeological monitor due to necessity of working during the weekends to be able to close one more lane of the road.

With these circumstances that are beyond our control, which have made a great impact on our construction cost, we are requesting for an additional of \$ 276,760.19 in order for us to complete the project that conforms to our agreement.

Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

Sincerely,

Jerlie M. Gutione Project Manager

ProPacific Builder Corp.

Noted:

Jean Yeon Yu

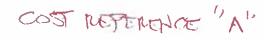
President

ProPacific Builder Corp.

\$15-006-EPA Route 4 Relief Sewerline Rehabilitation And Replacement

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пектироп	Contract	(Opt)	Unit	Unit Cost	Reference	Add"l Qty	Unit	Cost Adjustment
Extended Permit and Clearance Fees (DZSP & HEP only)					See Cost Reference "A"			
Highway Encroachment Permit				25.00	HEP -19-007	9	Mo	150.00
DZSP Clearance				1,650.00	DZSP21 Dig Permit	2	/3 Mo.	3,300.00
2 Direct Costs	340,784.80	15	Mo	22,718.99		6.5	Mo	
Operations Manager				4,000.00		m	Mo	12.000.00
Project Manager				6,000.00		6.5	Mo	39,000.00
Liaison Officer/Project Engineer				4,000.00		6.5	Mo	26,000.00
Site Superintendent				4,000.00		2	Mo	8,000.00
Office Expenses & Service Vehicles				4,718.99		6.5	Mo	30.673.44
Additional Traffic Control Devices and Set-ups.					See Cost Reference "C":			
Traffic Signs		18	Set	145.20	Pacific Sign Shop Invoice	56	Set	8.131.20
Number of Set-ups (& Removal)		107	盟	20.00	See Cost Reference "C"	168	E.	3 360 00
Advisory Boards (first 3 sets not charged)		0	Set	491.48	Pacific Sign Shop Invoice	m	Set	1,474.45
Arrow Panel		2	Set	14,139.00	Nico & CTSI Invoice	-	Set	14.139.00
Workers 1 Hr. Idle Time Adjustment (Equipments not charged)			12	167.66	See Cost Reference "D"	188	WD	31,521.00
2:					SUB-TOTAL			177,749.09
					Overhead & Profit (15%)			26,662.36
		72			SUB-TOTAL			204,411.45
					GRT (5.21%)			10,654.95
5 Extended Bond & Insurance	132,201.00	15	Mo	8,813.40	See Cost Reference "E": SOV Item 2.0	7	Mo	61,693.80
					TOTAL COST			276,760.19





Government of Guam

Intra-Office Memorandum RECEIVED

JUN 2 1 2019

TREASURER OF GLIVM CHE STOP OFFICE INITIAL

Date:

TO: Treasurer of Guam

HEP-19-007

PAYOR: PROPACIFIC BUILDER CORPORATION

Description	Account Name	Account No.	Amount
Highway Encroachment Permit Fee	Application Fee (Non-refundable)	310056204	7 X \$25.00 (7 MONTHS)
Cash Deposit Fee for Excavation in the Roadway (Public Law 31-83)	Cash Deposit Fees (Refundable)	120823110	
Contractor Cash Deposit Fees prior to Public Law 31-83 (Oct.31, 2011)	Cash Deposit Fee (Refundable)	110023110	
Performance Bond (Company Insurance)	Company Insurance Bond Number #.	Bond Number:	515-004-EPA
	TOTAL:		\$175.00

PURPOSE: SEWER LINE REHABILITATION & REPLACEMENT

TREASURER OF GUAM (671)475-1122/(671)475-1105

RECEIPT NO 2219093888

DATE

06/21/2019 14:36

LOG/STATION 04/00000000001

CASHIER

TOGQUICV

PAY METHOD CHECK AMOUNT

\$175,00

REFERENCE

#####-007

DOCUMENT

PROPACIFIC

NO

BLDR 310056204

TAX TYPE TRUCMA

TOP COPY-MERCHANT BOT COPY-CUSTOMER

Signature of Authorizing Agent/ Issuing Office



DIGPUT RTE 4

Customer Payment Information Sheet

Company or Command	Date
ProPacific Builders Corp	October 17, 2018
Point of Contact	Telephone & Fax No.
Jerlie M. Gutierrez	888-5602 / 477-3109
Address	E-mail Address
750 Rte 8 Ste 202 Barrigada GU	rgyc@guam.net

Address		E-mail Addre	53	
750 Rte 8 Ste 20	2 Barrigada GU	rgy	c@guam.net	
				
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FIN-F-0004 R5 Printed Effective date: 18 SEPT 2017	document may be obsolete	o – verify before	use Printed on: 9/20/20)17



B5 145-2019 WO# 691604

ANNEX 1501 FACILITIES MANAGEMENT AND ENGINEERING SERVICES Abbrev: VFMDIG

SECTION D - CLEARANCE APPROVAL (1	To be completed by	y DZSP 21)		
CLEARING ELEMENTS			REMARKS	SIGNATURE
1. NAVY ELECTRICAL DISTRIBUTION	See attac	ched clearanc	e.	SABER MILDRED SABSUMEDING A 1267 R.1267342004 Disc 2011 Mild Sabs 12004
2. NAVY POTABLE WATER DISTRIBUTION	See attac	ched clearanc	e.	SABER.MILDRED SABRUMEDIED LINE R.1267342004 Own 28190808 1791
3. NAVY STEAM DISTRIBUTION	N/A		The second secon	
4. NAVY WASTE WATER DISTRIBUTION	See attac	ched clearanc	e.	SABER,MILDRED. SABORATE SABORA
5. ENVIRONMENTAL	(See attached (Clearance, reference	Form. no. ENV-F-0120/Annex 180	O document)
SECTION E - CLEARANCE REVIEW/APPR	OVAL (To be comp	pleted by NAVFAC	MARIANAS, coordinated by Di	2SP21)
1. NAVY COMMUNICATION LINE (by BaseCon	nm) See attach	hed clearance		SABER.MILDRED SAUGHARDREDA 1967 R.1267342004 Data 201908.06 17:016
2. HAVY POL (by Fuel Division)	N/A			
SECTION F - CLEARANCE REVIEW/APPRO	OVAL (To be provid	ded by Requester		
1. OTHERS (Non MAVY Utilities) (by respective owner	n			
STA TELEGUAM	GPA GWA Others (Specify)		(See attached Clearance do	currents submitted by CME/Requester)
SECTION G - ESS/UNEXPLODED ORDINAL	urk harrimoneut	Mr. ha blandflad	(A., 1999 44)	
ice IRM ESS Figures 1-2 Series)	COMPLIANCE	ormy. Competition	O P W D 337-2320 Jul Conspinence re-	gen general.
	No action required a	head of construction	n. Construction site shall be manage	ed as a low likelihood.
requires compliance for the construction	substantial endanger For all areas, emerger	rment to personnel a mcy excavation on ex	and the local population.	d and may constitute an Imminent and ignated as occurring in a low likelihood.
ECTION H - REMARKS/CAVEATS/VALIDIT	-	100 7		
unexploded ordnance is uncovered, STOP EXC. 911 -RM Region Operation Center (ROC) at 349- NBG Emergency Operation Center (EOC) at any utility damages occur, contact DZSP 21 Seasy Inadvertant archeological discovery, STOP con project completion, discard utility marking	CAVATION, and call the 4004 and 4007/338 and contact P WORK, and contact	the following:		
DEARANCE VALID UNTIL (MANDO/777) 11/06/2019	2. SIGNATUR	E Agusti	n M. Sapalo, P.E.	3. DATE PHINED/TYTE 08/06/2019

FME-F-0004 (a) Rev. 9 Effective: 04-AUG-16

Printed document may be obsolete - validate before use

Printed Date: 04-AUG-18



10 REFLECTORIZED QUANTITIES ORDER -REGULAR N ed OF SET-UP WORKS 8 8 2 2 3 ١. ₹' **TOTAL NUMBER** HIND MY CLSM 12" Pipe U **DPW PERMIT REQUIREMENTS** SIND M. CERM RE-BORSY Cost reported LIND ST-8820 M CTSW m Phase 17 Remove 15" Plug REPLY SWIT-6889 Phase 16 Phase 15 Fehah SMH-6901 emetral "81 weld Phase 14 Replace SL-6764A CL OSEUM Replace SL-67648 Replace SMH-6902 Aroes-HMS well Phase 12 Phesed9 Kenab SMIH-6903 HOGS-HIMS darles Ot essing N Rehab SMH-6905 Phase 9 N Behab SMH-6906 Phase 8 PER * Rehab SMH-6907 Phase 7 n Strot-HMS dellomed 189069-HWS MIN SHE-JS nobrede & guif PN856 4 Rehab SMH-180; 181-HM2 daries A181-HM2 deries Phase 2 Passa44 m Rehab SMH-183 GUANTITIES REGULAR N N N ORDER OF SET-UP WORKS 2 49 • . 8 N *REMUN LATOT* BIND ST-8820 M CESM BRUGNS 12, BIND 1 St essi49 Thesand Rehab SMH-6900 Or searing ST essir Well : 1068-HMS deries HIND M. CTZW 15. bibe: ; eqr4 "SI listeri ; ACEA DRAWINGS Phassing HWS 9 YIOS9-HWS MAN Replace SL-6764A Phase 13 Replace SL-6764B; Rehab SMH-6902 Phase 12 Fressill Rehab SMH-6903 80 Rehab SMH-6904 Or essit4 6 essdq Rehab SMH-6906 2 068U-4 LOGG-HIMS GRUEN Phase 7 Phase 6 S ezari9 89069-HWS MAN Phase 4 Rehab SMH-180 181-HM2 derieR Phase 3 Aren-HM2 darteR Phase 2 Rehab SMH-183 Phase 1 Black legend and border on a White background Diamond-chaped with Black symbol or message and border on an Orange background. Otemond-shaped with Black symbol or message and border on an Orange Diamond-shaped with Black symbol or message and border on an Orange PHASES OF WORKS Black legend on an Orange background. Diamond-shaped with Black symbol or message and border on an Orange background. Black legend and border White background symbol or message and border on an Orange Black ingend and border White background Description ACTIVITIES Diamond-shaped with "neffectorized TRAFFIC SIGNS CENTER TURNING CLANE CLOSED BANEAD AMEAD LANE CLOSED
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Pacific Signshop

Mailing Address: 111 Chalan Balako PMB 565 Dededo Guam 96929

Phone: 649-3581/888-5880/483-5650

Fax: 649-5650 Email: psignshop@gmail.com/ psignshop2@gmail.com

Physical Address: 1270 N. Marine

Corps Drive Ste 105 Upper Tumon, Guam 96913

Date	Invoice #
8/19/2019	19-08-0079

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& Signature		Date		

Pacific Signshop

Mailing Address: 111 Chalan Balako PMB 565

Dededo Guam 96929

Phone: 649-3581/888-5880/483-5650

Fax: 649-5650

Email: psignshop@gmail.com/psignshop2@gmail.com

20 gmail.com

SIS ON SETEN

Physical Address: 1270 N. Marine

Corps Drive

Ste 105 Upper Tumon, Guam 96913

Date	Invoige #
7/3/2019	19-07-0016

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Customer	Copy							
2- 11-		s responsible:	ays. e added to any invoice n for collection cost of up g fees if referred for leg	to 33-13% in refer		Total		\$450.00

Print & Signature

Date 7/5/2019

4

ECTRONIC

INVOICE

Mailing Address: P.O.Box 9984

Business Address: 252-1 Mabini Street

City, State, ZIP: Tamuning, GUAM 96931

(671) 864-9963

Dededo,Guam 96912

Business Lisence no. 201200054 / D.U.N.S # 855021733

PROPACIFIC BUILDERS JERLIE GUTIERREZ 6718885602

QUOTATION NUMBER | NEI052320191 QUOTATION DATE | May 23, 2019

ACCOUNT NO.

TERMS

SALES REP GERALD

SHIPPED VIA OCEAN FREIGHT

F.O.B. CALIFORNIA

PREPAID or COLLECT PREPAID

ARROW PLNETS

Sales Tax Rate:

0.00%

QUANTITY		EACH	AMOUNT
3	Arrow Board Solar assisted 15 LED light with batteries mounted	\$10,999.00	\$32,997.00
	on trailer. Dimesions:100"x96"x92" Weight (approx.): 420	kg (920 lb.) ea	
3	Replacement Taillights for arrow Board	Free of Charge	
8	Tire ring replacement for Drums	Free of Charge	
		22	
		SUBTOTAL	\$32,997.0
	**** Product lead time is 2 Weeks ARO	INLAND FREIGHT	INCLUDED
		OCEAN FREIGHT / DELIVERY	
		INSURANCE	\$0.00
		TAX	INCLUDED
		TOTAL	\$32,997.00
			\$32,997.00

Name:Gerald Driza (671) 864-9963

nicoelectronics@guam.net nicoelectronics10@cmail.com Nico Electronics Gerald V. Driza

Address: P.O.Box 9984

City, State, ZIP: Tamuning, Guam 96931

THANK YOU FOR YOUR BUSINESS!

10,999.00 - 10,999.00

SHIPPING COST - 3,140,00

T9,109.00

AMOUNT



P.O. Box 6067 • Tamuning, Guam 96931

Tel: (671) 646-2853/54 • Fax: (671) 646-285\frac{1}{2}\text{nvoice No: SI1907172}

Invoice Date: 09/11/2019

INVOICE

Bill To :

NICO ELECTRONICS (NICOE1501)

SIS ODE-EPL

TOTE 4 6WA

Job Type/Job No : SI / SI1902336GUM

Flight/Vessel No: RJ PFEIFFER 445"

MAWB/MBL No. : 7012808

9420.080

HAWB/RBL No. : CTIBGUM194482LAX Credit Terms : Pay Immediately

Due Date : 09/14/2019

Shipper : NICO ELECTRONICS : NICO ELECTRONICS Consignee

Description QTY Unit Price Amount

1.00

OFC OCEAN FREIGHT CHARGES

GENERAL CARGO

Commodity : Remarks :

MATU4612170/45 - 3 UNT

Bank Details : BANK OF GUAM P. O. Box BW

Hagatna Guam 96932

ACCT. NAME: CTSI LOGISTICS

ACCT. NO.0102-071693

9,420.08

3,140,00

Total Amount

9,420.08

Prepared By:

Alsa Pineda Signiture over printed name

* SHIPPING COST OF ARROW BOLANT

Authorized Signature

Please med carefully - additional terms and conditions,

Customer by signing this invoice expressly agrees with all the terms and conditions he
 Overdue amounts refer to those accounts not paid within 30 days after each seperate

transaction. In the event of site payment, CTSI may convert your account to "Cash Basis Only" and tale panelly charge of 1.5% per month shall be assessed on over due accounts.

If your account is referred to an ottomey or collection agency for collection, you shall be required to pay collection charges, cost of sult(s), and reasonable attorney's fees.

4. If you have any question on the above transaction(s), or any portion of this invoice, you should communicate your questions to CTSI in writing within 10 days from receipt of this invoice.

5. You will be required to pay 325.00 fee for each check returned by the benit.

6. For credit card payment, a convenience fee applies.

JUSTOMER'S COPY - WHITE . FINANCE COPY - YELLOW . MASTER COPY - GREEN

Gum-FO-F009 May 17, 2004 Issue No. 01

MARIANA EXPRESS LINES, Ltd. CTSI Legistics on Agent 9/13/2019



Manpower Idle Time Calculation

NORMAL CONSTRUCTION DAYS

Per Revised Construction Schedule: Jul 15, 2019 to - Jun 17, 2020

	Month	Calendar Days	Holidays	Regular Work Days
		14- North Hallmannshols (1997) with the second		
1	July	16	1	13
2	August	31		22
3	September	18	0	13
4	October	31		23
5	November	30	3	18
6	December	31	2	20
7	January	31	2	21
8	February	28		20
9	March	26	1	18
10	April	31		22
11	May	31	1	20
12	June	17		13
	TOTAL	274	9	188

IDLE TIME COST

1-hour per work day

	CATEGORY	NO.	RATE	FICA	TOTAL RATE/HR	IDLE TIME
1	Site Superintendent	1	23	1.7595	24.7595	24.7595
2	Supervisor	1	23	1.7595	24.7595	24.7595
3	Foreman	1	20	1.53	21.53	21.53
4	Mason	1	20	1.53	21.53	21.53
5	Operator	1	18	1.377	19.377	19.377
6	Unskilled Laborer	5	10.35	0.791775	11.141775	55.708875
Note:	Health Insurance was not	included in this	calculation.		Sub-total	167.66488
	Workers only, the heavy e	quipment idle ti	me was not includ	ed.	Work days	188
					Manpower Idle Time Cost	31,521.00

SCHEDULE OF VALUES

, COST REFERENCE 'E"

Owner:

Guam Waterworks Authority

Name & Address of Contractor:

Project Number:

S15-006-EPA

Pro-Pacific Builder Corp.

Project Location:

Route 4 Hagatna, Guam

750 Rte.8 Ste. 202, Hanam Palza, Barrigada, Guam

Construction Manager:

EMPSCO

(671) 477-3109

Contract Description

Route 4 Relief Sewer Line Rehabilitation And Replacement GWA Project No#. S15-006-EPA

BID ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL COST
GENERAL R	EQUIREMENTS			V Hamm	H48 07
2.0	2.0 Bond & Insurance		1.00	132,201.00	132,201.00
3.0	Building Permit Fees & Clearances	LS	1.00	44,067.00	44,067.00
CONSTRUC	CTION		1-27	10000000	
1.0	Mobilization & Demobilization	LS	1.00	293,780.00	293,780.00
1/1	Mobilization	LS	1.00	205,646.00	205,646.00
1.2	Demobilization	LS	1.00	88,134.00	88,134.00
4.0	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	22.00	1,500.00	33,000.00
4.1	Instellation of new 12" PVC Pipe & fittings, including warning/identification tape, cleaning, testing, & CCTV.	LF	22.00	1,260.00	27,720.00
4.2	Connection to manholes, adjustment existing channel & bench.	EA	2.00	2,640.00	5,280.00
5.0	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	12.00	1,800.00	21,600.00
5.1	Installation of new 18" PVC Pipe & fittings, including warning/identification tape, cleaning, testing, & CCTV.	LF	12.00	1,350.00	16,200.00
5.2	Connection to existing manholes, adjustment existing channel & bench.	EA	2.00	2,700.00	5,400.00
30" PVC pipe, installed by open trench, including existing pipe removal, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.		LF	461.00	2,000.00	922,000.00
6.1	Removal of exisitng Spirolite pipes & fittings including hauting and disposal.	LF	461.00	320.00	147,520.00
6.2	Installation of new 30" PVC Pipe & fittings, including cleaning, testing, warning/identification tape, & CCTV.	LF	461.00	1,650.00	760,650.00
6.3	Installation of manhole connections.	EA	4.00	3.457.50	13,830.00

Exhibit D

Exhibit D

Cost Adjustment for Accelerated Work Along Route 4:	\$90,223.20
Cost to Accelerate Work at SMH-181A:	\$21,658.15
Total Cost:	\$111,881.35
Remaining Contingency Funds:	\$64,024.61
Change Order Amount:	\$47,856.74

Route 4 Relief Sewer Line Rehabilitation And Replacement GWA Project No#. 815-006-EPA

COST ADJUSTMENT FOR ACCELERATED WORK ALONG ROUTE 4

BID ITEM NO.	TEM DESCRIPTION		QTY	UNIT PRICE	TOTAL
10.0	Grout Injection				
10.1	Cleaning & disinfecting of SMH, flushing of odor, air monitoring.	EA	6.00	2,000.00	12,000.00
10.4a	Additonal Materials				
	Air freight cost of Grout injection materials.	LS	2.00	711.60	1,423.20
10.6	Traffic Control, environmental control, and safety devices.	EA	6.00	4,000.00	24,000.00
12.0	Unplug 21" existing pipe at SMH-6897.				
12.3	Cleaning & disinfecting of SMH, flushing of odor, air monitoring.	EA	1.00	2,000.00	2,000.00
12.4	Traffic Control, environmental control, and safety devices.	LS	1,00	4,000.00	4,000.00
13.5	Sewer flow control	LS	1.00	7,200.00	7,200.00
	Temp. plug 21" SL after CIPP Installation.				by Institutorn
13.0	By-pass Work for Grout Injection				
13.5	Sewer flow control	ĘΑ	6.00	3,600.00	21,600.00
13.7	Monitoring	LS	1.00	8,000.00	6,000.00
	Air compressor, air hose, & accessories @ \$ 800.00			- interest in the second	
	Supply/exhaust fans w/ flexible hose @ \$ 500.00				
	Power generator & gasoline @ 800.00				
	Labor - 1 guy @ \$260/day @ 15 days		· · · ·		
13.8	Spill containment/mitigation, temporary erosion control, traffic control measures, & related restoration works.	LS	1.00	12,000.00	12,000.00
	Watertank in trailer @ \$ 3,000.00				
	Standby submersible pumps w/ hose & fittings @ \$ 1,950.00				
	Standby annular plugs, test plugs, & inflatable plugs @ \$ 2,100.00				
88	Vacuum for erosion control @ \$ 450.00				
	Labor for removing & disposal of sediments- 2 guys @ \$150/day @ 15 days				
	TOTAL COST				90,223.20

Route 4 Relief Sewer Line Rehabilitation And Replacement GWA Project No#. \$15-006-EPA

CHANGE ORDER TO ACCELERATE WORK AT SMH-181A

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
· · · · · · · · · · · · · · · · · · ·	Grout Injection Works				
	Air freight cost of Grout injection materials.	LS	1.00	500.00	500,00
	High-grade Acetone for cleaning of injection pump after each use.	GAL	8.00	82.00	656,00
	Service vehicles, grout injection pump, & other tools.	LS	1.00	2,400.00	2,400.00
1.0	Labor - 3 guys (w/ 1 Certified Installer & 1 Confined Spaced Competent Person)	LS	1.00	3,600.00	
			SUB-TOTAL		
		0	verhead &	Profit (15%)	1,073.40
			8,229.40		
			GRT(5.21%)		
				TOTAL	\$8,658.15
2.0	Cleaning & disinfecting of SMH.	EA	1.00	2,000.00	2,000.00
3.0	Traffic Control.	EA	1.00	4,000.00	4,000.00
4.0	By-pass and temporary plugs to isolate 181A.				by Institutorm
5.0	Ground water pumping/dewatering.	EA	1.00	4,500.00	4,500.00
	Safety				
	Confined space equipments, retrieval, & air monitoring equipment.	LS	1.00	1,250.00	1,250.00
	Supply/exhaust fans w/ flexible hose, lightings, and power generator.	LS	1.00	750.00	750.00
6.0	Miscellaneous disposable safety materials				
	Tyvek suits	LS	1.00	60.00	60.00
	Rubber gloves & hand gloves.	LS	1,00	40.00	40.00
	Face-mask with multi-gas cartridge & respirators.	SET	2.00	200.00	400.00
3	TOTAL COST	124 142			\$21,658 .15
	Allocate at least 5 days Addit	ional Time			

No additional time





Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, GU 96913 Engineering Division Phone: (671) 300-6058 Fax: (671) 647-2621

CHANGE ORDER NO. 3

Project No. & Title:		Route 4 Relief Sewerline Rehabilitation and Replacement								
Project No. & Title:		GWA Project No. S15-006-EPA								
Contractor's	Name:	ProPacific Builders Corporation		Original Contract Date:	September 13, 2018					
TO:		ilders Corporation								
You are direct	cted to make cha	anges noted below in the subject contra	act. The changes are ac	cepted by:						
Contractor D	envenentative (D	Drint Nama 9 Titla		DDEDARED BY						
Contractor R	epresentative (P	Print Name & Title)		PREPARED BY:						
				John Riegel P.E.	Date					
				Managing Engineer	Date					
Signature		Date		managing Engineer						
O.g. a.a.		Date								
G.L. NO.		S202.105321.420000								
Contract No.	.:	795 OS								
Vendor No.:		26731		Barbara Cruz	Date					
Amount:		\$58,378.00		Acting Chief Engineer						
Enclosures:	1) ProPacific	litional cost is \$58,378 and the total a , "Proposed Change Order No.4" sul	bmittal	e is 52 days.						
	2) Ellii 000 i	econimendation for Change Order N	10.5 With evaluation							
The changes	s result in the fo	ollowing adjustment of contract price	e and time:							
Contract price	e prior to this ch	ange order			\$3,796,489.54					
		m this Change Order (subject to approv	ved terms & conditions)		\$58,378.00					
		ng this Change Order			\$3,854,867.54					
		ange Order 673 calendar days								
	-	nange Order <u>52</u> calendar days								
		ng this Change Order <u>725</u> calendar day	/S							
CERTIFIED	FUNDS AVAILA	ABLE:								
Taling M. Ta	itano									
•	ial Officer, GWA									
Offici i manor	iai Ollicci, OWA									
Date:										
			APPROVEI	D:						
		_	Miguel C. Borda	illo, PE	(Name & Title)					
			General Man		Finance/Accounting					
					Date:					
		ו	Date:							

Exhibit C (continued)



ENGINEERING MANAGEMENT & PLANNING SERVICES CORPORATION

1998 ARMY DRIVE, ROUTE 16, 2/F EMPSCO BLDG., DEDEDO, GUAM 96929 🗆 PO BOX 21794 GMF, BARRIGADA, GU 96921 🗆 TEL (671) 6384716 /6385716 🗆 FAX (671) 6382136

July 24, 2020

Thomas F. Cruz, P.E.

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

Attention: John Riegel, P.E.

Senior Manager Brown & Caldwell

Subject: GWA Project No. S15-006-EPA, Route 4 Relief Sewer line Rehabilitation and

Replacement (Schedule A)

Construction Manager Recommendation for Approval of Change Order No. 3

Reference: ProPacific Builder Corp. – Change Order Proposal no. 4 Request for Change Order

with Time Extension

ProPacific Builder Corp. - Change Order Proposal no. 5 Change of Scope Due to

Change in Design.

Gentlemen,

Reference is made to ProPacific Change order proposal reference as above.

We are endorsing our recommendation for the approval of Change Order no. 3 in the amount of **Fifty-Eight Thousand Three Hundred Seventy-Eight and 00/100 (\$58,378.00)** for the additional cost the Contractor incur on the project due to the following:

I. PCO no. 4 – Request for Cost and Time Extension

PPBC claim to PCO no. 4 for additional time extension due to the following:

- a. In addition to the utilities shown on the contract drawings and marked by utility agencies, multiple unknown underground utilities of different depths were continuously uncovered which slowdown the excavation and trenching works and makes pipe laying harder than expected.
- b. Modification of trench boxes, provide and install hanger supports, manually excavate for days, manually chipped and carry big rocks because bucket cannot fit in the openings, cut the pipes to be laid on tight spaces, and wait for utility agencies to inspect the exposed utility lines before to proceed.
- c. The uncovered DOCOMO Pacific Line is 7 feet off from the marking with a depth of more than 12 feet and crosses on the level of the proposed sewer line and needs to be re-routed before to continue on the excavation and laying of new pipe.



- d. Guam EPA is implementing strict requirements on the dewatering system and frequently ordered the Contractor to stop the dewatering activities until they satisfied with the modification they required. With dewatering activities on hold, the Contractor shall need to stop the trench excavation work.
- e. DPW Stop-work order Guam DPW issued a "Stop Work Oder" last November 9, 2019, in the wrong notion that the Contractor was dumping sewage on a storm drain. It cost 2 workdays before they lift the stop-work order showing and explained the existing filtration system.
- f. Traffic Accident Someone hit our traffic control on the night of December 30, 2019, at around 11:00 PM even though the Contractor traffic controls are set-up & functioning properly.
- g. Unavailability of the Archeological Monitoring Critical scheduled activities last Jan 22-23, 2020 was canceled due to unavailability of an archeological monitor even though an advance notice and schedule for the excavation and trenching work.

II. PCO no. 5 – Change of Scope Due to Change in Design.

a. In compliance with the changes in plans and specifications to accommodate the request of Guam DPW- Highway division during the permitting stage to lessen the affected traffic specifically at Route 4 – O'Brian intersection which led to the design change. Although ProPacific spend more work due to changes and agreed during our progress meeting, ProPacific shall equate this change with NO addition nor reduction on the original contract price relating to these changes.

EMPSCO has completed price negotiation PCO no. 4 with ProPacific on July 13, 2020. The original change order cost and time proposal were \$ 354,196.49 with eighty-four (84) calendar days. EMPSCO negotiated with ProPacific to lower the original cost based on our actual CM log notes and cost evaluation. Based on our determination, we find the negotiated total amount of \$58,378.00 with an additional forty-five (45) calendar days as fair and reasonable and in the best interest of GWA.

Should you have any questions and concerns, please do not hesitate to contact or email our office.

Very Truly,

EMPSCO Engineering Consultants

Tyrone de Guzman, P.E.

Project Manager

Email: tyrone.deguzman@empsco.net



Enclosure:

- a. Contract Change Notice
- b. Cost Evaluation for Extra Cost incurred due to Unknown Underground Utilities
- c. Summary of Cost
- d. ProPacific & EMPSCO negotiation for PCO no. 4
- e. ProPacific Builder Corp. PCO no. 4
- f. ProPacific Builder Corp. PCO no. 5

CONTRACT CHANGE NOTICE

Proposed Change (P/0	C) No:	<u>04</u>		Date:	6/26/2020	
1. Contract/Title:	GWA Pro Replacen		5-006-EPA, Route	4 Relief Sewe	r Line Rehabilitation and	
2. Description	ProPacific	Builder Co	rp. Proposed Chan	ge order no. 4 -	Request for Cost and Time	Extension
Est. Amt**:	\$ 33	5,460.17	Est. Time Ext.:	84CD	MOD Code:	
3. Written Customer F	Request Date:	I	06/03/2020			
4. Reason/justification		multip which expect Modification of the control of	ple unknown undergon slowdown the excepted. fication of trench book, manually chipped and the pipes to be laid on sed utility lines before uncovered DOCOMO 12 feet and crosses the to continue on the mEPA is implemented the Contractor to fication they require the trench excavated by the trench excavated when the trench excavated the Contractor to fication they require the trench excavated the Contractor to fication they require the trench excavated the Contractor to fication they require the trench excavated the Contractor to fication they require the trench excavated the Contractor to fication they require the trench excavated the Contractor to fication they require the trench excavated the trench excavated the contractor to fication they require the trench excavated the contractor to fication they are the con	round utilities of avation and trend and carry big roc in ta tight spaces re to proceed. Describe Pacific Line is on the level of the excavation and ing strict requirer to stop the dewater of the Contractor was the stop-work or one hit our traffic rough the Contractor was the contractor was the stop-work or one hit our traffic rough the Contractor was the contractor was the stop-work or one hit our traffic rough the Contractor was the contractor was the stop-work or one hit our traffic rough the Contractor was the contractor was the contractor was the stop-work or one hit our traffic rough the Contractor was the c	intract drawings and marked by different depts were continuously different depts were continuously different depts were continuously different depts were continuously different depts and makes pipe lating and wait for utility agencies to a feet off from the marking with the proposed sewer line and not laying of new pipe ments on the dewatering system activities until they satisfing activities on hold, the Continued a "Stop Work Oder" last Notes dumping sewage on a storr der showing and explained the control on the night of December of the control of the night of December of the night of De	usly uncovered aying harder than ually excavate for in the openings, o inspect the th a depth of more eed to be re-route em and frequently ied with the ractor shall need ovember 9, 2019, m drain. It cost 2 e existing filtration aber 30, 2019, at a & functioning ities last Jan 22-
5. Is Mod within Scope?	Yes	X	No	If "No	" refer for further processing	

CONTRACT CHANGE NOTICE

Proposed Change (P/C) N	No: <u>c</u>	<u>05</u>		Date:	6/20/2020	
1. Contract/Title:	GWA Project I Replacement	No. S15-006-EF	PA, Route 4 Relie	f Sewer Lin	e Rehabilitation and	
2. Description	ProPacific Build	der Corp. Propo	sed Change order	no. 5 – Char	nge of Scope Due to Cha	nge in Design
Est. Amt**: \$		0 Est. Tir	me Ext.: 0		MOD Code:	
3. Written Customer Req	uest Date:	06/20/20	020			
4. Reason/justification:	Guam specifio ProPao ProPao	DPW- Highway cally at Route 4 cific spend more	division during the O'Brian intersect work due to chan this change with	e permitting tion which le ges and agr	cations to accommodate stage to lessen the affected to the design change. The reed during our progress nor reduction on the ori	ted traffic Although meeting,
5. Is Mod within Scope?:	Yes	x	No 🗌	If "No" refe	er for further processing	

CM cost evaluation for Extra Cost Incurred Due to Unknown UG Lines

	raidation for Extra Cost incurred Due to								
	Description	Qty	Unit	ProPacific	PoPacific	CM Qty	CM Evaluated	CM TOTAL	Comments/ Variance Explanation
·		αι,	Onic	Unit Cost	Amount	Evaluation	Unit Cost	Amount	Commence, variance Explanation
Manpower		l.							
Project M	Project Manager		Mo.	\$6,000.00	\$16,600.00	0.75	\$6,000.00	\$4,500.00	We can only allow 75% efficiency for 1 Mo. of time due
Project ivi	anager	2.76667	IVIO.	\$6,000.00	\$16,600.00	0.75	\$6,000.00	\$4,500.00	to UG Utilities and actual performance.
Project En	ngineer	2.76667	Mo.	\$4,000.00	\$11,066.67	0	\$4,000.00	\$0.00	NO Project engineer on-site. Claim is DENIED.
Site Super	r-intendent	2.76667	Mo.	\$4,000.00	\$11,066.67	0.75	\$4,000.00	\$3,000.00	We can only allow 75% efficiency for 1 Mo. of time due to UG Utilities and actual performance.
Foreman		112	МН	\$23.00	\$2,576.00	112	\$20.00	\$2,240.00	Unit cost and qty was based on actual work.
Carpenter	r	150	МН	\$21.53	\$3,229.50	112	\$15.49	\$1,734.88	Unit cost and qty was based on actual work.
Mason		176	МН	\$21.53	\$3,789.28	112	\$14.92	\$1,671.04	Unit cost and qty was based on actual work.
Operator		286	МН	\$19.38	\$5,541.82	112	\$18.00	\$2,016.00	Unit cost and qty was based on actual work.
Helpers		1000.5	МН	\$15.10	\$15,107.55	0	\$14.10	\$0.00	Based on CM logs, You are deficient on this manpower The claim is DENIED.
		l.		Sub-total	\$68,977.49			\$15,161.92	
Equipments									
Escavators	s (2 each) including fuel @ \$120/Hr	83	Days	\$ 960.00	\$ 79,680.00	30	\$470.00	\$14,100.00	See CM estimate based on rent and fuel charges.
Backhoe/	Loader including fuel @ \$65/Hr	83	Days	\$ 520.00	\$ 43,160.00	0	\$520.00	\$0.00	The claim is DENIED; it was Contractor's decision to use a Backhoe for extra equipment for excavation work.
Pumps & /	Accessories	83	Days	\$ -					
	SL-6764 (5 sets @ 180/set)	55	Days	\$ 900.00	\$ 49,500.00	22	\$539.43	\$11,867.46	
	SL-6784A (3 sets @ 180/set)	28	Days	\$ 540.00	\$ 15,120.00	22	\$323.65	\$7,120.30	See CM estimate based on rent and fuel charges.
Dewaterir	ng box, hoses & pipes	1	Sets	\$ -					
Traffic Cor	ntrol (sign, concrete barriers, traffic drums)	2	Sets	\$ -					
Arrow Ligh	hts	3	Sets	\$ -					
ESC Contr	rol	2	Sets	\$ -					
	uipments (trench boxes, shoring jacks, plyforms, upports, & straps, etc.	1	LS	\$ -					
•				Sub-total	\$ 187,460.00			\$33,087.76	
					\$ 256,437.49			\$48,249.68	
		0	verhead &		\$ 38,465.62			\$7,237.45	
					\$ 294,903.12			\$55,487.13	
					\$ 15,364.45			\$2,890.88	
		Total La	abor & Equ	ipment Cost	\$ 310,267.57			\$58,378.00	
xtra Materia						_			
D.	Items	Qty		Unit	Amount	Qty	Unit	Amount	The data to DENIED E ANALYSIS OF A STATE OF THE STATE OF
Pipes		4		EA EA	\$ 20,821.80	0	EA	\$0.00	The claim is DENIED; Extra Material Cost is part of the
Couplings		4	workood 0	Profit (15%)	\$ 3,123.27	U	EA	\$0.00 \$0.00	contract requirements.
		- 0	vernedu &		\$ 3,123.27			\$0.00	
Sub-total GRT (5.21%)							\$0.00		
				. ,	\$ 25,192.61			\$0.00	
	TOTAL LABOR,	EQUIPME	NTS & MA						Cost claim allowed. See Summary Table.



CM cost evaluation for Equipments

I. Escavator (30ton)

1 Excavator - \$6,000 per month

fuel

75 gallon (5 days) x \$3.50 x 4 weeks = \$1,050 per month for 1 Escavator

<u>2 Excavator cost = (\$6000x2) + (\$1,050x2) = \$14,100.00</u>

II. Pumps

4" trash pump - \$ 449/week x 4 week x 5 pumps = \$8,980.00

7.5 gal/day x 5 sets x \$3.50 x 22 day = \$2,887.50

5 set pump w/ fuel = \$11,867.50

3 set pump w/ fuel = \$7,120.50



SUMMARY OF CM'S TIME AND COST EVALUATION BASED ON PROPACIFIC' CLAIM

No.	Description	Time Claim (days)	ProPacific Cost proposal	CM (EMPSCO) allowed Time (Calendar days)	CM Cost Evaluation	NOTES
1	DPW permit condtions requirement	0	\$0	0	\$0	CM substantiated and confirmed.
2	GEPA Stop Dewatering Order	21	\$0	5	\$0	CM allowed 5 days per CM logs.
3	Unavailability of the Archeological monitor	7	\$0	7	\$0	CM substantiated and confirmed.
4	DPW Stop Work Order	2	\$0	2	\$0	CM substantiated and confirmed.
5	Traffic Crash	1	\$0	1	\$0	CM substantiated and confirmed.
6	Unknown UG Utilities	83	\$335,460.17	30	\$58,378.00	Refer to CM cost evaluation for Unknown utilities
7	DOCOMO Pacific Line	8	\$18,736.32	0	\$0	Considered on Item 6.
8	COVID 19 Lockdown Work Suspension	7	\$0	0	\$0	The claim is DENIED.
9	CIPP Leaks	221	\$0	0	\$0	The claim is DENIED.
10	Adverse Weather Condition	16.5	\$0	0	\$0	The claim is DENIED.
11	Change of Scope due to Change in Design	0	\$0	0	\$0	CM substantiated and confirmed.
	TOTAL	366.5	\$354,196.49	45	\$58,378.00	TOTAL OF 45 calendar days w/ cost associated.

ProPacific Builder Corp. and EMPSCO (CM) negotiation for PCO no. 4



1998 ARMY DRIVE, ROUTE 16, 2/F EMPSCO BLDG., DEDEDO, GUAM 96929 🗆 PO BOX 21794 GMF, BARRIGADA, GU 96921 🗆 TEL (671) 6384716 /6385716 🗆 FAX (671) 6382136

June 26, 2020

Jerlie M. Gutierrez Project Manager ProPacific Builder's Corp.

Project: GWA Project No. S15-006-EPA, Route 4 Relief Sewer line Rehabilitation, and Replacement Proposed Change Order no. 04 (Schedule A)

Subject: ProPacific Builder Corporation - Change Order Proposal no.04_Request for Cost & Time Extension

Jerlie,

Reference is made to ProPacific proposed Change order no. 4 subject as above. The following are the CM review responses and evaluation for ProPacific's time and cost claim:

ITEM NO. 1:

• DPW permit conditions required that work in the jobsite will start from 9:00 AM only and shall be out of the jobsite by 4:00 PM. Setting of dewatering pumps and other equipments mostly take an hour before dewatering can start. And because of heavy drawdown of groundwater especially during high tide, raining or after the rain, the actual start of excavation and trenching is already in the afternoon and by 3:30 PM the crew have to demobilized to comply to DPW requirement of 4:00 PM clear which only gives a few hours of actual work, mostly only 2-1/2 production hours daily. (Please see attachment "A").

CM (EMPSCO) Review Response: PROPACIFIC claim for reduced work hours per DPW requirement was approved under CO#1. The period covered was from December 20, 2019, to July 17, 2020. During COVID-19 lockdown March 23 up to the present, PPBC was able to perform a full 8 hours working time frame.

ITEM NO. 2:

• DPW-Highway Division people are not flexible and do not accept even sensible requests on TTCP. Their permit conditions gave us a very limited space to work on. The excavator cannot freely turn around without stopping the traffic because the space is not enough for it to turn and dump the excavated material from the trench to stockpile. We requested for the innerlane of the opposite direction to them during the permitting process but they did not agree (they agree later on because the project is taking longer than schedule).

CM (EMPSCO) Review Response: Claim is DENIED. Per Section 01 51 00, the Contractor is required to submit a modified traffic control plan. The design, implementation, and associated costs for the Contractor's modified Traffic control plans and obtaining approvals shall be the total responsibility of the Contractor. NO additional time will be allowed for the design and processing for the approval of the Contractor's modified traffic control plans. Under Change order no.1, ProPacific was granted time adjustment to compensate for unusual permitting process.



ITEM NO. 3:

Heavy ground water drawdown than anticipated especially during raining, after the rain, and during high
tide. Groundwater rise & fall based on the tide of seawater level. Multiple dewatering pumps have a
little effect to drain trench during high tide. There were days we cannot lower the ground water level
like we are just cycling the seawater eventhough we use more pumps than usual and end up no
accomplishment for the day.

CM (EMPSCO) Review Response: CM considers site condition as described by PPBC. However, NO recorded notification was submitted by PPBC as to whether this condition would result in a contract time and contract cost claim.

ITEM NO. 4:

• SHPO stop work on our DPW-approved laydown area affected and altered our jobsite operational system. Due to uncertainty of when will SHPO let us utilize our jobsite laydown area, we were forced to transfer our laydown area and container storage to our vacant lot in Toto to accomodate the incoming off-island and bulky materials such as the pipes, pre-cast manholes, trench boxes, epoxy coatings, traffic drums, and to store & secure our tools and equipments. Because of this, transporting of materials & equipments was added work and delay instead of these being readily available if the storage and

laydown being in the work zone especially when a COVID 19 checkpoint was established near our laydown area. (Please see attachment "B").

CM (EMPSCO) Review Response: Resolution of laydown area is part of mobilization activities and not critical to project scheduled completion. Claim does not justify time or cost adjustments.

ITEM NO. 5:

• GEPA is implementing very strict requirements on the dewatering systems and frequently ordered us to halt the dewatering activities eventhough we continue to follow their advise. They gave us "Stop Dewatering" order from February 27 to March 18. We spend a lot of construction days cleaning and modifying the dewatering boxes on how they wanted it. With dewatering activity on hold, so were the excavation & trenching and pipe laying have been stopped also. Although we have some minor activities during this time but the excavation & laying of pipes is the critical path. We are requesting for the lost 21 calendar days. (Please see attachment "C").

CM (EMPSCO Review Response: Actual CM Logs notes were shown on Enclosure 2, CM logs part 1. The remaining work starting from 3/12/2020 to 3/18/2020 shall NOT be included due to the Contractor's error on the fabrication of the modified Dewatering filter box.

Timeline of Events Summary:

- 1. GEPA stop dewatering order issued at 11:00 AM, 2/27/2020. Other activities continued for the rest of the day.
- 2. Other activities continued on the following days.
- 3. Modified Dewatering filter box installed but collapsed on 3/12/2020 because of poor and insufficient supports.
- 4. CM allows only additional five (5) days for PPBC lost time due to GEPA Dewatering Stop Order.
- 5. NO Cost claim associated with these events.



ITEM NO. 6:

• Unavailability of the archeological Monitor. Until just recently, excavation and trenching activities is not allowed without the presence of the archeological monitor. There were days, and in some instances weeks, we cannot excavate because the archeological monitor is off-island or not available. A separate change order for this was submitted last February 6, 2020.

CM (EMPSCO) Review Response: ProPacific claim of seven (7) days has been substantiated and confirmed by the CM.

ITEM NO. 7:

DPW Stop Work Order. A separate change order for this was submitted last February 6, 2020.

CM (EMPSCO) Review Response: ProPacific claim of two (2) days has been substantiated and confirmed by the CM.

ITEM NO. 8:

• Traffic Crash. A separate change order for this was submitted last February 6, 2020.

CM (EMPSCO) Review Response: ProPacific claim of one (1) day has been substantiated and confirmed by the CM.

ITEM NO. 9:

• Unknown UG Lines. Aside from the ones shown on the drawings and those marked by utility agencies, multiple unknown underground utilities of different depths were continuously uncovered which slowdown the excavation & trenching works & makes pipe laying harder than expected. Many times we have to modify or fabricate special size trenchboxes, provide & install hanger supports, manually excavate for days & manually chipped and carry big rocks because bucket cannot fit on the opennings, cut the pipes to be laid so just we can insert them on the tight spaces during pipe laying, and wait for utility agencies to inspect the exposed utility line before we can proceed. We are just spending 2-3 days maximum to lay a pipe on a normal situation but we spend more than a week for each pipe we laid through these criss-crossing utilities. We have also purchased additional pipes and couplings due to these unknown utilities. We request cost of \$ 335,460.17 for labor, equipments, & materials with additional 83 calendar days for this. (Please see attachment "D").

CM (EMPSCO) Review Response: Actual CM Logs notes were shown on Enclosure 2, CM logs part 2.

CM cost evaluation for the proposed cost associated with the time claim is shown on Enclosure 3.

- 1. CM allows only Thirty (30) additional days for PPBC lost time due to unknown underground utilities.
- 2. Based on CM cost evaluation, ProPacific's cost claim is \$ 58,378.00 based on extended duration for equipment & labor.
- 3. Please note that deduction costs are considered in the Summary.

ITEM NO. 10:

• The uncovered DOCOMO Pacific line is 7 feet off from the markings with a depth of more than 12 feet and crosses on the level of the proposed sewerline and needs to be rerouted before we can continue on the excavation and laying of new pipe. We spend more than a week (from May 5 to 13) waiting for them rerouting the line eventhough we continuously assisted them on the dewatering and excavation. We are requesting the lost 8 days w/ cost of \$ 18,736.32 for this. (Please see attachment "E").



CM (EMPSCO) Review Response: ProPacific request for 8 days and associated cost due to Docomo lines shall be considered as part of unknown UG lines (Item no. 9). Docomo lines were observed to be in the same location as UG lines described in Item no. 9.

ITEM NO. 11:

• COVID 19 lockdown affected the project. Although the project is classified as essential, but the hardware stores, equipment rentals, and other support business were closed during the 1st lockdown. And up to now procurement of on-island and other miscellaneous materials is still very hard and time consuming due to social distancing and limiting costumers inside an establishment which cause slowdown in the jobsite works.

CM (EMPSCO) Review Response: Claim is DENIED. Refer to the GWA CIP Memo letter, Enclosure 4.

ITEM NO. 12:

• COVID 19 lockdown also closes the entire or some divisions of some government agencies and utility agencies which makes coordination harder. There were times we need to hold on to our ecavation and trenching activities until a particular issue is inspected and cleared by them.

CM (EMPSCO) Review Response: Claim is DENIED. CM is not aware of any issue. We understand that some government agencies were closed however, CM & GWA made sure GWA provided ProPacific necessary assistance in order not to affect the project scheduled completion.

ITEM NO. 13:

• Temporary work suspension due to COVID 19 pandemic from March 23-27. We were forced to suspend our jobsite activity for a week due to rising COVID 19 cases in Guam especially the first fatality is a patient of the clinic near our jobsite and that clinic dispose its sewage to the sewerline we are working on. A letter of justification was sent to GWA-GM for this shutdown as instructed by the CM. We are requesting the lost 7 days for this. (Please see attachment "F").

CM (EMPSCO) Review Response: Claim is DENIED. Refer to the GWA CIP Memo letter, Enclosure 4.

ITEM NO. 14:

• CIPP leaks. We have to wait long time for Insituform/Mocon to finish their CIPP and fix the leaks before we can proceed with our manhole rehab. Although we have reported to them the strong leaks we've found since October 30, 2019, it took more than 6 months before they start the repair only for 2 SMH on April 22, but the rest of the manholes were started to be repaired on June 4,2020, a span of 218

days. The total delay up to when they are repaired is **221 calendar days**. These CIPP termination leaks have greatly slow us down, more than double our work, and put portion of our works on hold until they fixed the leaks. (*Please see attachment "G"*).

CM (EMPSCO) Review Response: ProPacific claim for a time extension is unrealistic and excessive. CM log notes the following:

- 1. ProPacific still was able to perform other activities during these period.
- 2. Manhole rehabilitation work as per ProPacific schedule is NOT on the critical path.
- 3. PPBC manhole rehabilitation schedule indicated ample float time. Rehabilitation work can rescheduled without affecting the scheduled completion. Although it may affect ProPacific schedule, however, there are some manholes that ProPacific can start work.
- 4. Insituform repair of leaks started on 03/05/2020 and completed 06/09/2020.



- 5. ProPacific DEVIATED from following their approved construction schedule and decided to start manhole rehabilitation on Marine drive.
- 6. This claim is DENIED.

ITEM NO. 15:

Adverse Weather Condition. Rainy days forced us to cancel work and in many times we utilized the day securing the site for safety and environmental control. The month of September 2019, April 2020, & May 2020 exceeded the anticipated rain days with 16.5 working days and also greatly impacted our activities. (Please see attachment "H").

CM (EMPSCO) Review Response: The allowed anticipated rainy days specified under Section 00800, Supplementary General Condition is 41 days since ProPacific has only actually experienced 16.5 working days. The claim is DENIED.

ITEM NO. 16:

• We are entering the rainy season. We are expecting more groundwater to pump out in the rainy season than what we currently pump, erosion and sedimentation control will be harder, more cancellation of work due to heavy rains or typhoons, and higher volume of sewage flow on the manholes.

CM (EMPSCO) Review Response: The allowed anticipated rainy days specified under Section 00800, Supplementary General Condition is 41 days since ProPacific has only actually experienced 16.5 working days. The claim is DENIED.

CM has reviewed ProPacific recovery plan but has failed to show how to regain compliance with the scheduled completion date at NO cost to GWA. Also, ProPacific's performance has been below average in all areas observed between September 2-13, 2019. Refer to CM letter issued dated September 10, 2019.

CM recommends an **extension time of 45 calendar days** and associated cost claim of **\$58,378.00** based on our review and evaluation. Should you agree, we will start processing the documents and submit them to Brown&Caldwell for approval.

Should you have any questions, please do not hesitate to call or email our office.

Very Truly,

EMPSCO Engineering Consultants

Tyrone de Guzman, P.E.

Project Manager

Email: tyrone.deguzman@empsco.net



SUMMARY OF CM'S TIME AND COST EVALUATION BASED ON PROPACIFIC' CLAIM

No.	Description	Time Claim (days)	ProPacific Cost proposal	CM (EMPSCO) allowed Time (Calendar days)	CM Cost Evaluation	NOTES
1	DPW permit condtions requirement	0	\$0	0	\$0	CM substantiated and confirmed.
2	GEPA Stop Dewatering Order	21	\$0	5	\$0	CM allowed 5 days per CM logs.
3	Unavailability of the Archeological monitor	7	\$0	7	\$0	CM substantiated and confirmed.
4	DPW Stop Work Order	2	\$0	2	\$0	CM substantiated and confirmed.
5	Traffic Crash	1	\$0	1	\$0	CM substantiated and confirmed.
6	Unknown UG Utilities	83	\$335,460.17	30	\$58,378.00	Refer to CM cost evaluation for Unknown utilities
7	DOCOMO Pacific Line	8	\$18,736.32	0	\$0	Considered on Item 6.
8	COVID 19 Lockdown Work Suspension	7	\$0	0	\$0	The claim is DENIED.
9	CIPP Leaks	221	\$0	0	\$0	The claim is DENIED.
10	Adverse Weather Condition	16.5	\$0	0	\$0	The claim is DENIED.
	TOTAL	366.5	\$354,196.49	45	\$58,378.00	TOTAL OF 45 calendar days w/ cost associated.



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Suite 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date;

June 3, 2020

To:

John Riegel, PE

Program Management, Senior Manager

Brown & Caldwell

Thru:

Tyrone De Guzman, PE

Project Manager

EMPSCO Engineering Consultants

Subject:

REQUEST FOR CHANGE ORDER WITH TIME EXTENSION

Reference:

S15-006-EPA (Schedule A)

Route 4 Relief Sewerline Rehabilitation and Replacement

Dear Mr. Riegel,

We would like to request change order with time extension to successfully finish the project. We have incurred extra cost and delay due to some factors beyond our control that greatly affected our work output and finish the project in time. These are the following:

- DPW permit conditions required that work in the jobsite will start from 9:00 AM only and shall be out of the jobsite by 4:00 PM. Setting of dewatering pumps and other equipments mostly take an hour before dewatering can start. And because of heavy drawdown of groundwater especially during high tide, raining or after the rain, the actual start of excavation and trenching is already in the afternoon and by 3:30 PM the crew have to demobilized to comply to DPW requirement of 4:00 PM clear which only gives a few hours of actual work, mostly only 2-1/2 production hours daily. (Please see attachment "A").
- DPW-Highway Division people are not flexible and do not accept even sensible requests on TTCP. Their permit conditions gave us a very limited space to work on. The excavator cannot freely turn around without stopping the traffic because the space is not enough for it to turn and dump the excavated material from the trench to stockpile. We requested for the innerlane of the opposite direction to them during the permitting process but they did not agree (they agree later on because the project is taking longer than schedule).
- Heavy ground water drawdown than anticipated especially during raining, after the rain, and during high tide. Groundwater rise & fall based on the tide of seawater level. Multiple dewatering pumps have a little effect to drain trench during high tide. There were days we cannot lower the ground water level like we are just cycling the seawater eventhough we use more pumps than usual and end up no accomplishment for the day.
- SHPO stop work on our DPW-approved laydown area affected and altered our jobsite operational system. Due to uncertainty of when will SHPO let us utilize our jobsite laydown area, we were forced to transfer our laydown area and container storage to our vacant lot in Toto to accommodate the incoming off-island and bulky materials such as the pipes, pre-cast manholes, trench boxes, epoxy coatings, traffic drums, and to store & secure our tools and equipments. Because of this, transporting of materials & equipments was added work and delay instead of these being readily available if the storage and

laydown being in the work zone especially when a COVID 19 checkpoint was established near our laydown area. (*Please see attachment "B"*).

- GEPA is implementing very strict requirements on the dewatering systems and frequently ordered us to halt the dewatering activities eventhough we continue to follow their advise. They gave us "Stop Dewatering" order from February 27 to March 18. We spend a lot of construction days cleaning and modifying the dewatering boxes on how they wanted it. With dewatering activity on hold, so were the excavation & trenching and pipe laying have been stopped also. Although we have some minor activities during this time but the excavation & laying of pipes is the critical path. We are requesting for the lost 21 calendar days. (Please see attachment "C").
- Unavailability of the archeological Monitor. Until just recently, excavation and trenching activities is not allowed without the presence of the archeological monitor. There were days, and in some instances weeks, we cannot excavate because the archeological monitor is off-island or not available. A separate change order for this was submitted last February 6, 2020.
- DPW Stop Work Order. A separate change order for this was submitted last February 6, 2020.
- Traffic Crash. A separate change order for this was submitted last February 6, 2020.
- Unknown UG Lines. Aside from the ones shown on the drawings and those marked by utility agencies, multiple unknown underground utilities of different depths were continuously uncovered which slowdown the excavation & trenching works & makes pipe laying harder than expected. Many times we have to modify or fabricate special size trenchboxes, provide & install hanger supports, manually excavate for days & manually chipped and carry big rocks because bucket cannot fit on the opennings, cut the pipes to be laid so just we can insert them on the tight spaces during pipe laying, and wait for utility agencies to inspect the exposed utility line before we can proceed. We are just spending 2-3 days maximum to lay a pipe on a normal situation but we spend more than a week for each pipe we laid through these criss-crossing utilities. We have also purchased additional pipes and couplings due to these unknown utilities. We request cost of \$ 335,460.17 for labor, equipments, & materials with additional 83 calendar days for this. (Please see attachment "D").
- The uncovered DOCOMO Pacific line is 7 feet off from the markings with a depth of more than 12 feet and crosses on the level of the proposed sewerline and needs to be rerouted before we can continue on the excavation and laying of new pipe. We spend more than a week (from May 5 to 13) waiting for them rerouting the line eventhough we continuously assisted them on the dewatering and excavation. We are requesting the lost 8 days w/ cost of \$ 18,736.32 for this. (Please see attachment "E").
- COVID 19 lockdown affected the project. Although the project is classified as essential, but the
 hardware stores, equipment rentals, and other support business were closed during the 1st lockdown.
 And up to now procurement of on-island and other miscellaneous materials is still very hard and time
 consuming due to social distancing and limiting costumers inside an establishment which cause
 slowdown in the jobsite works.
- COVID 19 lockdown also closes the entire or some divisions of some government agencies and utility agencies which makes coordination harder. There were times we need to hold on to our ecavation and trenching activities until a particular issue is inspected and cleared by them.
- Temporary work suspension due to COVID 19 pandemic from March 23-27. We were forced to suspend our jobsite activity for a week due to rising COVID 19 cases in Guam especially the first fatality is a patient of the clinic near our jobsite and that clinic dispose its sewage to the sewerline we are working on. A letter of justification was sent to GWA-GM for this shutdown as instructed by the CM. We are requesting the lost 7 days for this. (Please see attachment "F").
- CIPP leaks. We have to wait long time for Insituform/Mocon to finish their CIPP and fix the leaks before we can proceed with our manhole rehab. Although we have reported to them the strong leaks we've found since October 30, 2019, it took more than 6 months before they start the repair only for 2 SMH on April 22, but the rest of the manholes were started to be repaired on June 4,2020, a span of 218

days. The total delay up to when they are repaired is **221 calendar days**. These CIPP termination leaks have greatly slow us down, more than double our work, and put portion of our works on hold until they fixed the leaks. (*Please see attachment "G"*).

- Adverse Weather Condition. Rainy days forced us to cancel work and in many times we utilized the day securing the site for safety and environmental control. The month of September 2019, April 2020, & May 2020 exceeded the anticipated rain days with 16.5 working days and also greatly impacted our activities. (Please see attachment "H").
- We are entering the rainy season. We are expecting more groundwater to pump out in the rainy season than what we currently pump, erosion and sedimentation control will be harder, more cancellation of work due to heavy rains or typhoons, and higher volume of sewage flow on the manholes.

Recognizing most of these hurdles and being cautious on the remaining time of the contract as early as January of this year, we carry out aggressive steps to minimize the delay, improve work progress, and steer the project back on track. These are the following:

- In the start of January 2020, we requested and applied for a modified traffic control (our original request during permitting process) to DPW-Highways Division to allow us to use the other side-inner lane of the road (Red Cross side) so we don't need to wait for the traffic to ease before the excavator can turn around during excavation and the dump trucks can come closer to the stockpile during disposal. DPW approved it on January 16.
- In the start of March 2020, we requested and applied again for 2nd modification of traffic control along the intersection of O'Brien to include the Nanbo Insurance side and it was approved on March 11 so we can have another team for pipe replacement so that works for SL-6764 and SL-6764A will be done simultaneously. During this time, we also started procuring off-island equipments (i.e. water displacement pumps, hoses, & accessories) and deal with heavy equipment rentals that will be assigned for the 2nd team. With the creation of another team to do SL-6764A simultaneous with SL-6764, we progress rapidly and save months of construction time.
- After the approval of the 2nd modification of TTCP, we started fabricating dewatering filter box, sets of trench box for workers protection, concrete barriers, and others to be used by the 2nd team.
- In the start of April 2020, our 2nd team started working for the activities for SL-6764A pipe replacement. With the work for SL-6764A being undertaken by 2nd team simultaneous with SL-6764 by 1st team, we will be able to save months of construction time compared to when there is only a single team.
- In the start of this year we double the size of our jobsite manpower and numbers of our equipments (i.e. dewatering pumps, excavators, dewatering boxes, trench boxes, concrete barriers, compactors, etc.). We also stationed the assigned Alt. Project Manager to be full-time in the jobsite to properly monitor the project recovery process.
- Another crew was created to focus work on manhole rehabilitation only doing the channeling and benching, epoxy coating, & plugging of lateral connections. This is a different crew from the one doing grout injection. They were provide with their own equipments and service vehicles.
- Experiencing the need to cut on multiple pipes just to be able to insert and lay new pipes due to lots of existing underground utilities we have uncovered, we proactively ordered and expedited the delivery for additional pipes & couplings from off-island. All additional major off-island materials and equipments are already on hand.
- We always submit Highway Encroachment Permit renewal and other clearances in advance to avoid project stoppage.
- Continuous coordination with GEPA regarding ESC and dewatering activities.

• Taking advantage of the COVID 19 lockdown that resulted with fewer volume of traffic, we have requested with DPW to allow us to work from 7:30 AM to 5:00 PM instead of only from 9:00 AM to 4:00 PM. In the assistance of GWA-Acting Chief Engineer, DPW approved our request.

With these circumstances that are beyond our control, which have made a great impact on our performance of the contract, we are requesting the **amount of \$ 354,196.49** and although the total delay is 356.5 CD we are just requesting for an **extension of 84 CD** in order for us to complete the project that conforms to our agreement. Based on PPBC's updated construction schedule we can realistically complete the project by October 9, 2020. The remaining time is not sufficient to complete the project and although we have redouble our efforts by working simultaneously on major activities, an additional time is necessary.

Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

Sincerely

Jerlie M. Cutiel Project Manager

ProPacific Builders Corp.

SUMMARY OF CLAIM

No.	DESCRIPTION	TIME (CD)	COST
1	GEPA Stop Dewatering Order:	21	
2	Unknown UG utilities	83	\$335,460.17
3	DOCOMO Pacific Line	8	\$18,736.32
4	COVID 19 Lockdown Work Suspension	7	
5	CIPP Leaks	221	
6	Adverse Weather Condition	16.5	
	TOTAL	356.5	\$354,196.49

Note: A separate change order request for unavailabilty of archeological monitor, DPW stop work order, & traffic crash was submitted last February 6, 2020.



PART 1: CM Logs

Reference: GEPA Stop Dewatering Order

Date	CM Logs	Lost Time (Work Days)
2/27/2020	GEPA verbally Stop Dewatering Oder @ 11:00 AM	0.50 day
2/28/2020	Dewatering Filter Box Modifications. Work force on-site is total of 10 manpower.	0.50day
3/2/2020	GOV Guam Holiday; NO Site Activities	0
3/3/2020	 GEPA site inspection per PPBC's dewatering filter box & water condition of Agana River. PPBC install additional filter box; 2 workers. Other workers work on additional concrete barrier delivery and 	0.50 day
	installation. •Two (2) workers verify the existing condition of sewer manholes. •A total of 12 manpower are working on-site.	
3/4/2020	 Dewatering Filter Box Testing with GEPA personnel. GEPA suggests doing a turbidity test. Laying of Cold Mix Asphalt. SMH 6907 Cleaning & epoxy coating application A total of 12 manpower are working on-site 	0.50 day
3/5/2020	 Epoxy coating application at SMH 6901A. Sand bagging for erosion control/ silt fence. Scheduled water sampling was cancelled due to LACK of Manpower and water pump Not available. A total of 7 manpower are working on-site. 	0.50 day
3/6/2020	 Epoxy coating application at SMH 6900. Install Pipe no. 4, at SMH-6901A to SMH-6901. Placement of Bedding rocks Water sampling for turbidity Test Backhoe tie rod end has been broken. A total of 11 manpower are working on-site. 	0.50 day
3/7/2020	 Placement of Bedding rock and Dewatering filter box. Epoxy Coating application at SMH 6899. Continue modification of the Dewatering filter box. A total of 12 manpower are working on-site. 	0.50 day

PART 1: CM Logs

Reference: GEPA Stop Dewatering Order

Date	CM Logs	Lost Time (Work Days)
3/10/2020	Modification of the Dewatering filter box.	0.50 day
	Placement of bedding rock for filter box.	
	•A total of 11 manpower are working on-site.	
3/11/2020	•Cleaning of Epoxy coating application of SMH 183.	0.50 day
	•The setting of a Newly modified Filter box.	
	•A total of 8 manpower are working on-site.	
3/12/2020	•Epoxy coating application at SMH 183.	
	Repair of collapsed dewatering filter box (Collapsed during testing,	
	Contractor's error).	
	•Trench excavation for Pipe #5.	0.5 days
	Backfilling and Compaction.	
	•A total of 11 manpower are working on-site.	
	TOTAL LOST in DAYS	5 DAYS

NOTE: Remaing work starting 3/13/2020 to 3.18/2020 shall NOT be considered due to Contractor's error on fabrication of modified Dewatering filter box.

CM Notes:

- 1. GEPA stop dewatering oder is at 11:00 AM, 2/27/2020. Other activities continue for the rest of the day.
- 2. Other Activities continue on the following days.
- 3. Modified Filter box test run and collapsed on 3/12/2020 because of poor and insufficient supports.



PART 2: CM Logs

Reference: Installation of 30" Sewerpipe record

For SL-6764 (SMH6901A to SMH6901)

10101		1A to SMH690	,		T
Pipe	Pipe length	Date	Total Calendar	Allowed	
No.	(ft)	Installed	Days of	Extra Days	CM Notes
	(1-3)		Installation	Incurred	
1	19 ft	6-Feb-20	14	4	Factors that incurred extra days of installation: (1). Unknown 12" CIP line below concrete encasement. (2)Contractor's methodology and sequence of work.
2	15 ft	17-Feb-20	11	4	Factors that incurred extra days: (1) Unknown 4 pcs 4" PVC pipe conduit and unknown concrete encasement. (2) Docomo lines.
3	11 ft	19-Feb-20	2	0	No Claim
					Factor that incurred extra days: (1) GEPA
4	23 ft	6-Mar-20	16	4	stop work order & unknown concrete
					encasement.
5	20 ft	19-Mar-20	11	4	
6	23 ft	15-Apr-20	11	4	Factors that incurred extra days of installation: (1) Plug existing sewerline with CLSM fill. (2)Contractor's methodology and sequence of work.
7	23 ft	23-Apr-20	8		
8	23 ft	29-Apr-20	6		
9	23 ft	4-May-20	5		
10	23 ft	8-May-20	4		
11	23 ft	15-May-20	7		
12	23 ft	19-May-20	4		Excavation work is done.
13	23 ft	21-May-20	2		Excavation work is done.
14	23 ft	28-May-20	7		
15	23 ft	29-May-20	1		Excavation work is done.
16	23 ft	3-Jun-20	3		Excavation work is done.
17	19 ft	5-Jun-20	2		Excavation work is done.
18	10 ft	9-Jun-20	4		Excavation work is done.
				20	Total Allowed days based CM logs



PART 2: CM Logs

Reference: Installation of 30" Sewerpipe record

For SL-6764 (SMH6901A to SMH6901) For SL-6764A (SMH6902 to SMH6901A)

Pipe	Pipe length	Date	Total Calendar	Allowed	
No.	(ft)	Installed	Days of	Extra Days	CM Notes
INO.	(11)	ilistalled	Installation	Incurred	
1	23 ft	29-Apr-20	9	3	Installed adaptor at SMH 6902 upstream.
2	23 ft	4-May-20	6	0	
3	16 ft	14 May 20	10	3	Factor incurred by extra day was based on
3	1011	14-May-20	10	3	unknown traffic signal.
4	23 ft	19-May-20	5	0	
5	20 ft	1-Jun-20	13	4	Factors that incurred extra days of installation based on Contractor's methodology and sequence of work.
				10	Total Allowed days based CM logs

TOTAL EXTRA DAYS ALLOWED DUE TO INCURRED	20	
DUE TO UNKNOWN UG LINES	30	



CM cost evaluation for Extra Cost Incurred Due to Unknown UG Lines

CIVI cost evaluation for Extra Cost Incurred Due t	O Ulikilo	wii og i	ines					
Description	Qty	Unit	ProPacific Unit Cost	PoPacific Amount	CM Qty Evaluation	CM Evaluated Unit Cost	CM TOTAL Amount	Comments/ Variance Explanation
Manpower								
Project Manager	2.76667	Mo.	\$6,000.00	\$16,600.00	0.75	\$6,000.00	\$4,500.00	We can only allow 75% efficiency for 1 Mo. of time due to UG Utilities and actual performance.
Project Engineer	2.76667	Mo.	\$4,000.00	\$11,066.67	0	\$4,000.00	\$0.00	NO Project engineer on-site. Claim is DENIED.
Site Super-intendent	2.76667	Mo.	\$4,000.00	\$11,066.67	0.75	\$4,000.00	\$3,000.00	We can only allow 75% efficiency for 1 Mo. of time duto UG Utilities and actual performance.
Foreman	112	МН	\$23.00	\$2,576.00	112	\$20.00	\$2,240.00	Unit cost and qty was based on actual work.
Carpenter	150	МН	\$21.53	\$3,229.50	112	\$15.49	\$1,734.88	Unit cost and qty was based on actual work.
Mason	176	МН	\$21.53	\$3,789.28	112	\$14.92	\$1,671.04	Unit cost and qty was based on actual work.
Operator	286	MH	\$19.38	\$5,541.82	112	\$18.00	\$2,016.00	Unit cost and qty was based on actual work.
Helpers	1000.5	МН	\$15.10	\$15,107.55	0	\$14.10	\$0.00	Based on CM logs, You are deficient on this manpowe The claim is DENIED.
			Sub-total	\$68,977.49			\$15,161.92	
quipments								
Escavators (2 each) including fuel @ \$120/Hr	83	Days	\$ 960.00	\$ 79,680.00	30	\$470.00	\$14,100.00	See CM estimate based on rent and fuel charges.
Backhoe/ Loader including fuel @ \$65/Hr	83	Days	\$ 520.00	\$ 43,160.00	0	\$520.00	\$0.00	The claim is DENIED; it was Contractor's decision to us a Backhoe for extra equipment for excavation work.
Pumps & Accessories	83	Days	\$ -					
SL-6764 (5 sets @ 180/set)	55	Days	\$ 900.00	\$ 49,500.00	22	\$539.43	\$11,867.46	
SL-6784A (3 sets @ 180/set)	28	Days	\$ 540.00	\$ 15,120.00	22	\$323.65	\$7,120.30	See CM estimate based on rent and fuel charges.
Dewatering box, hoses & pipes	1	Sets	\$ -					
Traffic Control (sign, concrete barriers, traffic drums)	2	Sets	\$ -					
Arrow Lights	3	Sets	\$ -					
ESC Control	2	Sets	\$ -					
Safety equipments (trench boxes, shoring jacks, plyforms, hanger supports, & straps, etc.	1	LS	\$ -					
			Sub-total	\$ 187,460.00			\$33,087.76	
			Total Cost	\$ 256,437.49			\$48,249.68	
	O	verhead &	Profit (15%)	\$ 38,465.62			\$7,237.45	
			Sub-total	\$ 294,903.12			\$55,487.13	
			GRT (5.21%)	\$ 15,364.45			\$2,890.88	
	Total La	abor & Equ	ipment Cost	\$ 310,267.57			\$58,378.00	
xtra Material Cost								
Items	Qty		Unit	Amount	Qty	Unit	Amount	
Pipes	4		EA	\$ 20,821.80	0	EA	\$0.00	The claim is DENIED; Extra Material Cost is part of the
Couplings	4		EA	\$ 20,821.80	0	EA	\$0.00	contract requirements.
	C	verhead &	Profit (15%)	\$ 3,123.27			\$0.00	
			Sub-total	\$ 23,945.07			\$0.00	
			GRT (5.21%)	\$ 1,247.54			\$0.00	
			Total Cost	\$ 25,192.61			\$0.00	
TOTAL LABOR,	EQUIPME	NTS & MA	TERIAL COST	\$ 335,460.18			\$58,378.00	Cost claim allowed. See Summary Table.



EMPSCO ENGINEERING CONSULTANTS

CM cost evaluation for Equipments

I. Escavator (30ton)

1 Excavator - \$6,000 per month

fue

75 gallon (5 days) x \$3.50 x 4 weeks = \$1,050 per month for 1 Escavator

2 Excavator cost = (\$6000x2) + (\$1,050x2) = \$14,100.00

II. Pumps

4" trash pump - \$ 449/week x 4 week x 5 pumps = \$8,980.00

Fue

7.5 gal/day x 5 sets x \$3.50 x 22 day = \$2,887.50

5 set pump w/ fuel = \$11,867.50

3 set pump w/ fuel = \$7,120.50

Enclosure 4



"Better Water. Better Lives."

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

Telephone No.: (671) 300-6846

March 19, 2020

Guam Waterworks Authority (GWA) capital improvement projects construct essential infrastructure necessary for the welfare and public health of the People of Guam. As such, construction on these projects need to continue as much as possible.

GWA projects have required project signage identifying the project name, description, and contractors, as well as building permits and engineering plans identifying the activity as a GWA project.

Any questions should be directed to the undersigned at 300-6845 or via email at mcbordallo@guamwaterworks.org

Miguel C. Bordallo, P.E. General Manager



EMPSCO

1998 Army Drive Route 16, 2/F EMPSCO Bldg., Dededo, Guam 96929 • P.O. Box 21794 GMF, Barrigada, Guam 96921 • Tel No. 1.671.638.4716/5716 • Fax No. 1.671.638.2136 • Email:empsco@guam.net

Enclosure 5

Date: 10 September 2019

Project: Route 4 Relief Sewer Line Rehabilitation and Replacement

GWA Project No. S15-006-EPA

Subject: Contractor Performance, Project no. S15-006-EPA

Jean Yeon Yu

President
PROPACIFIC BUILDER CORPORATION
P.O. Box 7446 Tamuning
Guam 96931

Madam:

In Accordance with General Condition of this contract, your performance has raised concerns in the areas of Timely Performance, Effectiveness of Management, and Safety.

Our observations indicate that your performance has been below average in all the areas noted above. Failure to improve this performance could result in suspension of work and termination as specified in Article 16, Section 00700 General Conditions.

In order to prevent this adverse action, you must demonstrate improved performance in all the areas which are currently deficient. This will entail an active and intense effort on the part of your home office management and field staff. In order to assure this effort is in progress, it is required that you schedule a meeting with the undersigned immediately to discuss your plan for improving the deficiencies noted above. Failure to make immediate action in response to this notification will result in initiation of an interim unsatisfactory performance report.

Sincerely,

EMPSCO Engineering Consultants Construction Management

cc: Brown and Caldwell

ENGINEERING MANAGEMENT & PLANNING SERVICES CORPORATION



1998 ARMY DRIVE, 2/F EMPSCO BLDG, DEDEDO, GU 96929 ■ PO BOX 21794 GMF, BARRIGADA, GU 96921 ■ TEL (671) 638-4716/5716 ■ FAX (671) 638-2136

September 2-13, 2019

Project: GWA S15-006-EPA, Route 4 Relief Sewer Line Rehabilitation and Replacement

Subject: ProPacific Two-Weeks PERFORMANCE OBSERVATION

September 2

Labor Day, no site activity.

September 3

- Previously delivered concrete barrier (7ea) taken-out of the work area to be used at ProPacific' other project site.
- No other site activity.
- Repair of trench box at ProPacific Staging Area in Toto as per Jerlie Gutierrez.

September 4

No site activity.

September 5

- Trench box (2ea) delivery at work area.
- Preparation for sewer manhole (SMH-6899) cleaning.

September 6

- Starts sewer manhole (SMH-6899) cleaning.
- Manpower: 1 <u>Superintendent</u> (not supervising work due to working full time) 1 Mason,
 1 Unskilled Laborer

September 7 & 8

Saturday and Sunday, no site activity.

September 9

- Excavation for dewatering.
- Manpower: 1 <u>Superintendent</u> (not supervising work due to working full time),
 1 Operator, 1 Mason, 2 Unskilled Laborer

September 10

- Excavation for dewatering.
- Manpower: 1 <u>Superintendent</u> (not supervising work due to working full time),
 1 Operator, 1 Mason, 1 Unskilled Laborer

September 11

- Sewer manhole (SMH-6899) cleaning.
- Chipping of asphalt for dewatering.
- Manpower: 1 Superintendent (not supervising work due to working full time),
 1 Mason, 2 Unskilled Laborer

September 12

- Excavation for New Intertie starts.
- Manhole rehabilitation (SMH-6899).
- Manpower: <u>1Superintendent</u> (not supervising work due to working full time),
 1 Operator, 1 Mason, 1 Unskilled Laborer

September 13

- Excavation for New Intertie continue.
- Sewer manhole rehabilitation continue (SMH-6899)
- Manpower: 1 <u>Superintendent</u> (not supervising work due to working full time),
 1 Operator, 1 Mason, 2 Unskilled Laborer

Exhibit C (continued)



ENGINEERING MANAGEMENT & PLANNING SERVICES CORPORATION

1998 ARMY DRIVE, ROUTE 16, 2/F EMPSCO BLDG., DEDEDO, GUAM 96929 🗆 PO BOX 21794 GMF, BARRIGADA, GU 96921 🗆 TEL (671) 6384716 /6385716 🗆 FAX (671) 6382136

August 10, 2020

John Riegel, P.E.Senior Manager

Brown & Caldwell

Subject: GWA Project No. S15-006-EPA, Route 4 Relief Sewer line Rehabilitation and

Replacement_(Schedule A)

Agreement Letter based on COVID-19 in addition to Recommendation for

Approval of Change Order No. 3

Reference: GWA CIP Project Memo 2020MAR19

John,

Based on our project meeting dated August 10, 2020, We agreed to grant additional 7 calendar days to ProPacific Builder Corporation due to the COVID-19 pandemic. The total additional time adjustment is now 52 calendar days which include the negotiated days specified in Change order no. 3. The contract completion date shall now be September 7, 2020.

Should you have any questions and concerns, please do not hesitate to contact or email our office.

Very Truly,

EMPSCO Engineering Consultants

Tyrone de Guzman, P.E.

Project Manager

Email: tyrone.deguzman@empsco.net

Enclosure:

- a. GWA CIP Project Memo 2020MAR19
- b. ProPacific Builder Corp letter to GWA due to COVID-19



"Better Water. Better Lives."

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

Telephone No.: (671) 300-6846

March 19, 2020

Guam Waterworks Authority (GWA) capital improvement projects construct essential infrastructure necessary for the welfare and public health of the People of Guam. As such, construction on these projects need to continue as much as possible.

GWA projects have required project signage identifying the project name, description, and contractors, as well as building permits and engineering plans identifying the activity as a GWA project.

Any questions should be directed to the undersigned at 300-6845 or via email at mcbordallo@guamwaterworks.org

Miguel C. Bordállo, P.E. General Manager



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Suite 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date:

March 26, 2020

To:

Miguel C. Bordallo, P.E. General Manager - GWA

Subject:

Temp. Work Suspension for S15-006-EPA R4RSLRR Due to COVID 19

Reference:

GWA CIP Project Memo 2020MAR19

Sir,

Due to the recent development on COVID 19 cases on Guam were more people have been tested positive (half of them are from Cental District) and the 1st COVID 19 death during the weekends is a patient in Renal Care Clinic in Sinajana which is very very close to our jobsite, we are temporarily suspending our jobsite operation for this week and it may be extended depending on the severity of the situation. The victim may have infected other people in the clinic including the staff and those people are passing to our jobsite on a daily basis. There is also a high probability of COVID 19 virus presence on the sewage flow flush by the infected people from that clinic or from their home, so working for the manhole rehabilitation is highly risky.

Although our project is an essential infrastructure, there is currently a functioning active line running parallel to this project thereby rendering no disruption nor delay of service to the people of Guam.

As much as we want to progress with the project, our jobsite is located in major thoroughfares where lot of people (including those infected) pass frequently, our workers are highly exposed to this very contagious and deadly disease. Although we received a memo circulated last week thru B&C but due to this latest development, we are hoping that there will be a consideration for this matter. We cannot put our workers health & safety in a clear and present danger. SAFETY FIRST!

We are looking forward for your consideration.

Thank you very much.

Sincerely,

Jerlie Gutierrez

ProPacific Builders Corp.

ProPacific Builder Corp. PCO no. 4



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Suite 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date; June 3, 2020

To: John Riegel, PE

Program Management, Senior Manager

Brown & Caldwell

Thru: Tyrone De Guzman, PE

Project Manager

EMPSCO Engineering Consultants

Subject: REQUEST FOR CHANGE ORDER WITH TIME EXTENSION

Reference: S15-006-EPA (Schedule A)

Route 4 Relief Sewerline Rehabilitation and Replacement

Dear Mr. Riegel,

We would like to request change order with time extension to successfully finish the project. We have incurred extra cost and delay due to some factors beyond our control that greatly affected our work output and finish the project in time. These are the following:

- DPW permit conditions required that work in the jobsite will start from 9:00 AM only and shall be out of the jobsite by 4:00 PM. Setting of dewatering pumps and other equipments mostly take an hour before dewatering can start. And because of heavy drawdown of groundwater especially during high tide, raining or after the rain, the actual start of excavation and trenching is already in the afternoon and by 3:30 PM the crew have to demobilized to comply to DPW requirement of 4:00 PM clear which only gives a few hours of actual work, mostly only 2-1/2 production hours daily. (Please see attachment "A").
- DPW-Highway Division people are not flexible and do not accept even sensible requests on TTCP. Their permit conditions gave us a very limited space to work on. The excavator cannot freely turn around without stopping the traffic because the space is not enough for it to turn and dump the excavated material from the trench to stockpile. We requested for the innerlane of the opposite direction to them during the permitting process but they did not agree (they agree later on because the project is taking longer than schedule).
- Heavy ground water drawdown than anticipated especially during raining, after the rain, and during high
 tide. Groundwater rise & fall based on the tide of seawater level. Multiple dewatering pumps have a
 little effect to drain trench during high tide. There were days we cannot lower the ground water level
 like we are just cycling the seawater eventhough we use more pumps than usual and end up no
 accomplishment for the day.
- SHPO stop work on our DPW-approved laydown area affected and altered our jobsite operational system. Due to uncertainty of when will SHPO let us utilize our jobsite laydown area, we were forced to transfer our laydown area and container storage to our vacant lot in Toto to accommodate the incoming off-island and bulky materials such as the pipes, pre-cast manholes, trench boxes, epoxy coatings, traffic drums, and to store & secure our tools and equipments. Because of this, transporting of materials & equipments was added work and delay instead of these being readily available if the storage and

laydown being in the work zone especially when a COVID 19 checkpoint was established near our laydown area. (Please see attachment "B").

- GEPA is implementing very strict requirements on the dewatering systems and frequently ordered us to halt the dewatering activities eventhough we continue to follow their advise. They gave us "Stop Dewatering" order from February 27 to March 18. We spend a lot of construction days cleaning and modifying the dewatering boxes on how they wanted it. With dewatering activity on hold, so were the excavation & trenching and pipe laying have been stopped also. Although we have some minor activities during this time but the excavation & laying of pipes is the critical path. We are requesting for the lost 21 calendar days. (Please see attachment "C").
- Unavailability of the archeological Monitor. Until just recently, excavation and trenching activities is not allowed without the presence of the archeological monitor. There were days, and in some instances weeks, we cannot excavate because the archeological monitor is off-island or not available. A separate change order for this was submitted last February 6, 2020.
- DPW Stop Work Order. A separate change order for this was submitted last February 6, 2020.
- Traffic Crash. A separate change order for this was submitted last February 6, 2020.
- Unknown UG Lines. Aside from the ones shown on the drawings and those marked by utility agencies, multiple unknown underground utilities of different depths were continuously uncovered which slowdown the excavation & trenching works & makes pipe laying harder than expected. Many times we have to modify or fabricate special size trenchboxes, provide & install hanger supports, manually excavate for days & manually chipped and carry big rocks because bucket cannot fit on the opennings, cut the pipes to be laid so just we can insert them on the tight spaces during pipe laying, and wait for utility agencies to inspect the exposed utility line before we can proceed. We are just spending 2-3 days maximum to lay a pipe on a normal situation but we spend more than a week for each pipe we laid through these criss-crossing utilities. We have also purchased additional pipes and couplings due to these unknown utilities. We request cost of \$ 335,460.17 for labor, equipments, & materials with additional 83 calendar days for this. (Please see attachment "D").
- The uncovered DOCOMO Pacific line is 7 feet off from the markings with a depth of more than 12 feet and crosses on the level of the proposed sewerline and needs to be rerouted before we can continue on the excavation and laying of new pipe. We spend more than a week (from May 5 to 13) waiting for them rerouting the line eventhough we continuously assisted them on the dewatering and excavation. We are requesting the lost 8 days w/ cost of \$ 18,736.32 for this. (Please see attachment "E").
- COVID 19 lockdown affected the project. Although the project is classified as essential, but the
 hardware stores, equipment rentals, and other support business were closed during the 1st lockdown.
 And up to now procurement of on-island and other miscellaneous materials is still very hard and time
 consuming due to social distancing and limiting costumers inside an establishment which cause
 slowdown in the jobsite works.
- COVID 19 lockdown also closes the entire or some divisions of some government agencies and utility
 agencies which makes coordination harder. There were times we need to hold on to our ecavation and
 trenching activities until a particular issue is inspected and cleared by them.
- Temporary work suspension due to COVID 19 pandemic from March 23-27. We were forced to suspend our jobsite activity for a week due to rising COVID 19 cases in Guam especially the first fatality is a patient of the clinic near our jobsite and that clinic dispose its sewage to the sewerline we are working on. A letter of justification was sent to GWA-GM for this shutdown as instructed by the CM. We are requesting the lost 7 days for this. (Please see attachment "F").
- CIPP leaks. We have to wait long time for Insituform/Mocon to finish their CIPP and fix the leaks before we can proceed with our manhole rehab. Although we have reported to them the strong leaks we've found since October 30, 2019, it took more than 6 months before they start the repair only for 2 SMH on April 22, but the rest of the manholes were started to be repaired on June 4,2020, a span of 218

days. The total delay up to when they are repaired is 221 calendar days. These CIPP termination leaks have greatly slow us down, more than double our work, and put portion of our works on hold until they fixed the leaks. (Please see attachment "G").

- Adverse Weather Condition. Rainy days forced us to cancel work and in many times we utilized the day securing the site for safety and environmental control. The month of September 2019, April 2020, & May 2020 exceeded the anticipated rain days with 16.5 working days and also greatly impacted our activities. (Please see attachment "H").
- We are entering the rainy season. We are expecting more groundwater to pump out in the rainy season than what we currently pump, erosion and sedimentation control will be harder, more cancellation of work due to heavy rains or typhoons, and higher volume of sewage flow on the manholes.

Recognizing most of these hurdles and being cautious on the remaining time of the contract as early as January of this year, we carry out aggressive steps to minimize the delay, improve work progress, and steer the project back on track. These are the following:

- In the start of January 2020, we requested and applied for a modified traffic control (our original request during permitting process) to DPW-Highways Division to allow us to use the other side-inner lane of the road (Red Cross side) so we don't need to wait for the traffic to ease before the excavator can turn around during excavation and the dump trucks can come closer to the stockpile during disposal. DPW approved it on January 16.
- In the start of March 2020, we requested and applied again for 2nd modification of traffic control along the intersection of O'Brien to include the Nanbo Insurance side and it was approved on March 11 so we can have another team for pipe replacement so that works for SL-6764 and SL-6764A will be done simultaneously. During this time, we also started procuring off-island equipments (i.e. water displacement pumps, hoses, & accessories) and deal with heavy equipment rentals that will be assigned for the 2nd team. With the creation of another team to do SL-6764A simultaneous with SL-6764, we progress rapidly and save months of construction time.
- After the approval of the 2nd modification of TTCP, we started fabricating dewatering filter box, sets of trench box for workers protection, concrete barriers, and others to be used by the 2nd team.
- In the start of April 2020, our 2nd team started working for the activities for SL-6764A pipe replacement. With the work for SL-6764A being undertaken by 2nd team simultaneous with SL-6764 by 1st team, we will be able to save months of construction time compared to when there is only a single team.
- In the start of this year we double the size of our jobsite manpower and numbers of our equipments (i.e. dewatering pumps, excavators, dewatering boxes, trench boxes, concrete barriers, compactors, etc.). We also stationed the assigned Alt. Project Manager to be full-time in the jobsite to properly monitor the project recovery process.
- Another crew was created to focus work on manhole rehabilitation only doing the channeling and benching, epoxy coating, & plugging of lateral connections. This is a different crew from the one doing grout injection. They were provide with their own equipments and service vehicles.
- Experiencing the need to cut on multiple pipes just to be able to insert and lay new pipes due to lots of existing underground utilities we have uncovered, we proactively ordered and expedited the delivery for additional pipes & couplings from off-island. All additional major off-island materials and equipments are already on hand.
- We always submit Highway Encroachment Permit renewal and other clearances in advance to avoid project stoppage.
- Continuous coordination with GEPA regarding ESC and dewatering activities.

• Taking advantage of the COVID 19 lockdown that resulted with fewer volume of traffic, we have requested with DPW to allow us to work from 7:30 AM to 5:00 PM instead of only from 9:00 AM to 4:00 PM. In the assistance of GWA-Acting Chief Engineer, DPW approved our request.

With these circumstances that are beyond our control, which have made a great impact on our performance of the contract, we are requesting the **amount of \$ 354,196.49** and although the total delay is 356.5 CD we are just requesting for an **extension of 84 CD** in order for us to complete the project that conforms to our agreement. Based on PPBC's updated construction schedule we can realistically complete the project by October 9, 2020. The remaining time is not sufficient to complete the project and although we have redouble our efforts by working simultaneously on major activities, an additional time is necessary.

Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

Sincerely

Jerlie M. Autierez Project Manager

ProPacific Builders Corp.

SUMMARY OF CLAIM

No.	DESCRIPTION	TIME (CD)	COST
1	GEPA Stop Dewatering Order:	21	
2	Unknown UG utilities	83	\$335,460.17
3	DOCOMO Pacific Line	8	\$18,736.32
4	COVID 19 Lockdown Work Suspension	7	
5	CIPP Leaks	221	
6	Adverse Weather Condition	16.5	
	TOTAL	356.5	\$354,196.49

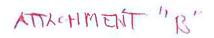
Note: A separate change order request for unavailabilty of archeological monitor, DPW stop work order, & traffic crash was submitted last February 6, 2020.

Attachment "A"

public works	HIGHWAY CONSTRUCTION SECTION DIVISION OF HIGHWAY	Conditional Approval
Print: JENLIF CTITIEDSFEZ	Sign:	7

Project Name:	Name:	Route 4 I	elief Sewer Line Rehabi	Route 4 Relief Sewer Line Rehabilitation and Replacement	A. Accept Comment -	A. Accept Comment - Correct, Add to, or Clarify plans	Js
Project No.:	No.:	GWA: S	GWA: S15-006-EPA Design	Designer: AECOM	Clarify of Resolve	C. Clarify or discuss and resolve prior to next design phase R. Resolve comment in next decian phase	phase
Location:	n:	Hagatna (Hagatna (Route 1 and Route 4)				
Date:		June 20, 2019	610				
Reviewed by:	ed by:	Name: Is	Name: Isidro C. Duarosan /// 6/	6/20/19 email: isidro.duarosan@dpw.guam.gov	gov	Phone: (671) 649-3104	
Checked by:	d by:	Masoud T	Masoud Teimoury, P.E., PhD - Chief Engineer / りん	ef Engineer Mf.			
Item No.	Drawir Specifi	Drawing No. / Specification		Comments	Initial Code	Action C.	Final Code
			a). No work on July 20,	a). No work on July 20, 21, 22, 2019 (Liberation Day).			
			b). No work between the to 6:00PM weekdays but	b). No work between the hours of 6:00 AM to 9:00AM and 4:00PM to 6:00PM weekdays but on Fridays from 4:00PM to 7:00PM.			
			c). Provide two travel lar	c). Provide two travel lanes at all times both direction on weekdays.			
			d). Saturday, Sunday and single lane open on bot traffic controls.	d). Saturday, Sunday and Holidays approved work for 24 hours with single lane open on both directions but for night work with night traffic controls.			
			e). Night time work on 7:00PM to 5:00AM. but	e). Night time work on weekdays is allowed between the hours of 7:00PM to 5:00AM. but with night traffic controls.			

Attachment "B"



Jerlie M. Gutierrez

Subject:

FW: GWA's SSES-Based System Improvements (RC2019-0927)

----Original Message----

From: George Watson <gwatson@BrwnCald.com>

Sent: Friday, August 16, 2019 1:59 PM

To: 'Joseph A. Tadeo' < itadeo@guamwaterworks.org >; iudecalvo@guamwaterworks.org

Cc: 'prudencio' crudencio@guamwaterworks.org>; 'Paul Franquez' cruzchomas@guamwaterworks.org>; John Riegel sruncald.com; 'Konner, Thomas' <<pre>Konner.Thomas@epa.gov;

'Mauryn McDonald' <maurynm@guamwaterworks.org>

Subject: FW: GWA's SSES-Based System Improvements (RC2019-0927)

Hi Joe,

I was talking with Jude earlier about the subject for the email chain below, and he asked me to contact you about it.

Basically, John Mark Joseph is restricting the Rt 4 project from using the laydown site the contractor (ProPacific)

proposed to use for his work in Hagatna. This will cause delays for the project, mainly in the transportation of materials and equipment.

Fortunately, John Mark isn't shutting down the project, just preventing us from using the laydown site until the Section 106 has been updated, and it likely our AMDRP as well. When I had a conversation with John Mark over the phone, he mentioned Tom Konner would be the one to over see this, but I'm guessing we can do things on our end to get this moving? I included the information attached on the laydown site that PPBC used to get their permit through DPW. Let me know what I can do, or ask of the contractor to help to get the Section 106 updated.

Thank you, George

George Watson
Brown and Caldwell | Hagåtña, Guam
gwatson@brwncald.com<mailto:gwatson@brwncald.com>
T 671.300.4228 | C 671.482.1515



Attachment "C"



Subject:

FW: S15-006-EPA GEPA Ordered to Stop Dewatering

From: Jerlie M. Gutierrez <rgyc@guam.net> Sent: Wednesday, March 04, 2020 8:23 AM

To: 'Jerlie M. Gutierrez' <rgyc@guam.net>; 'Tyrone De Guzman' <tyrone.deguzman@empsco.net> Cc: 'Noel Viaje' <noel.viaje@empsco.net>; 'Butch Arce' <butch.arce@empsco.net>; John Riegel

<JRiegel@BrwnCald.com>; 'Vicente Escabillas' <sgyc@guam.net>; 'Jean Yu' <jgyc@guam.net>; fgyc.ppbc@gmail.com

Subject: RE: S15-006-EPA GEPA Ordered to Stop Dewatering

Tyrone,

I sent the preceding email last Friday but it got stuck on my outbox due to the video file size so I removed them.

Anyway, I had another meeting in their office in the afternoon to ask what they want. They instructed me to add a big containment which we did throughout the weekends up to Monday and installed it on Tuesday. I called them to inspect it around 10:30 AM so we can proceed but Elvis of EPA told me that they are busy and they will just do random inspection.

Best Regards,

Jerlie M. Gutierrez

PROPACIFIC BUILDER CORP. formerly GUAM YOOSHIN CORP. 750 Rte 8 Ste 202 Hanam Plaza, Barrigada, Guam 96913 USA Tel. (671) 477-3109

Fax (671) 477-7424 Email: rgyc@guam.net

From: Jerlie M. Gutierrez [mailto:rgyc@guam.net]
Sent: Wednesday, March 04, 2020 8:13 AM

To: 'Tyrone De Guzman'

Cc: 'Noel Viaje'; 'Butch Arce'; 'John Riegel'; 'Vicente Escabillas'; 'Jean Yu'; 'fgyc.ppbc@gmail.com'

Tyrone,

We keep on calling the GEPA in the morning to show to them that the water in Agana River is murky up to the back of Bank of Guam even though we did not start our dewatering yet (please see attached photos) but they did not answer our calls. They revisit the site around 2 PM and still shutting down our dewatering because they saw the water in the mouth of the river is murky and they are not listening to my explanation. Every time I try to explain they stop me and told me that their decision is final.

The water coming from our filtration system is already clear and filtered as it can be (please see attached video). This is an excavation job and water coloration cannot be avoided. Although we followed their approved Dewatering Plan but they are still giving us a hard time.

Best Regards,

Jerlie M. Gutierrez

PROPACIFIC BUILDER CORP. formerly GUAM YOOSHIN CORP. 750 Rte 8 Ste 202 Hanam Plaza, Barrigada, Guam 96913 USA Tel. (671) 477-3109

Fax (671) 477-7424 Email: rgyc@guam.net

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Thursday, February 27, 2020 6:12 PM To: Jerlie M. Gutierrez; fgyc.ppbc@gmail.com

Cc: Noel Viaje; Ferdie Cabuhat; Butch Arce; Jun Capulong; Nilo Villaluz; John Riegel; 'Vicente Escabillas'; 'Jean Yu'

Subject: Fwd: S15-006-EPA GEPA Ordered to Stop Dewatering

Jerlie.

Noted;

Provide CM official report based on EPA comments, and ProPacific' recommended solution. Much help if you provide photos of the murky on Agana river and your filter box water.

In addition, provide a meeting minutes on your discussion with Mr. Ventura.

Respectfully,

Tyrone de Guzman PE EMPSCO Engineering Consultants

From: Jerlie M. Gutierrez < rgyc@guam.net > Sent: Thursday, February 27, 2020 5:23 PM

To: Tyrone De Guzman

Subject: S15-006-EPA GEPA Ordered to Stop Dewatering

Tyrone,

EPA dropped by to our jobsite after lunch and instructed us to stop the dewatering because the water in the mouth of Agana River is murky although the water coming from our dewatering box is already filtered and per our approved dewatering plan. This have caused us to stop the excavation because without the pump running, the ground water rise up rapidly and if we continue the excavation, mud and sediments may flow to the road due to soaked excavated materials.

The water in the mouth of the river is murky due mostly of the disturbance of the riverbed caused by waves from the sea and countered by the flow from our dewatering system.

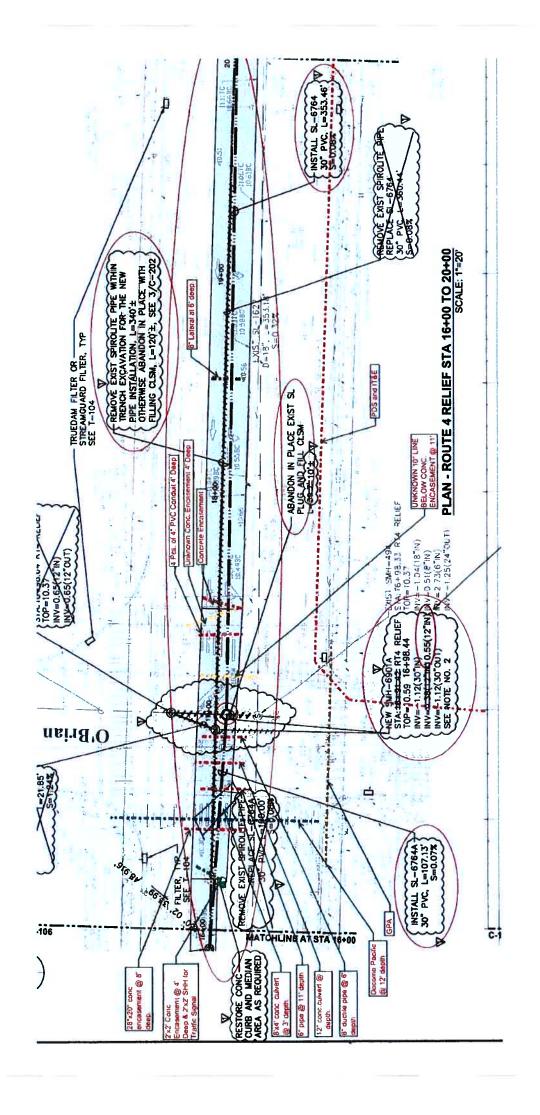
I had a meeting with Mr. Elvis Ventura of GEPA at 2:00 PM in their office and discussed what they want. Also, they want to inspect again our dewatering system tomorrow.

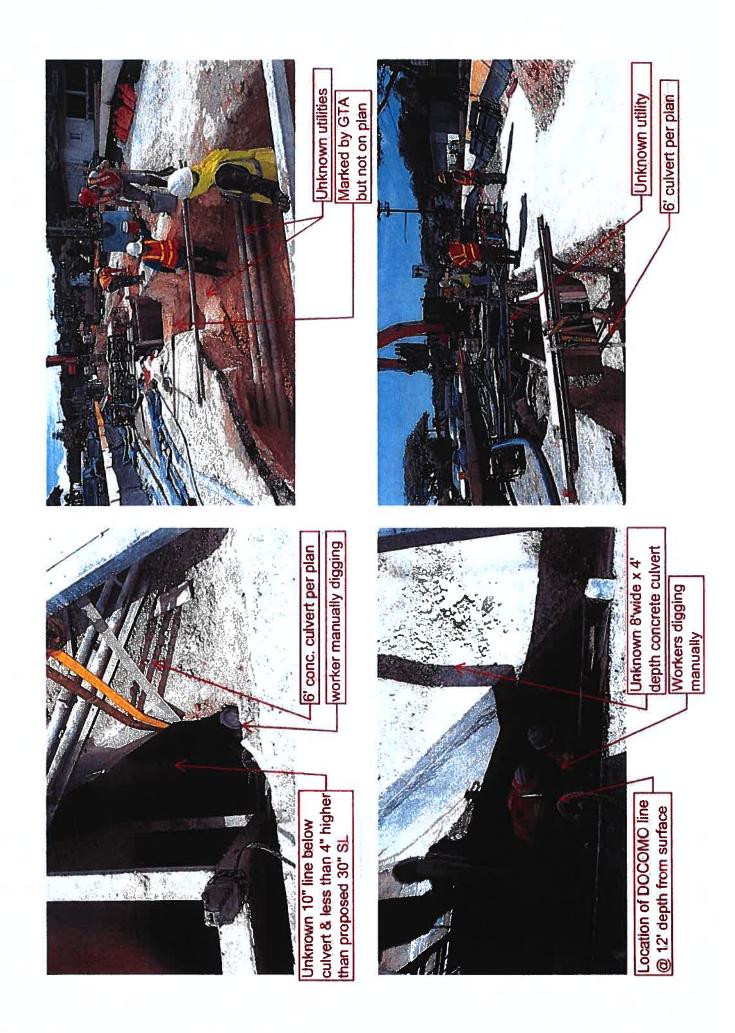
Best Regards,

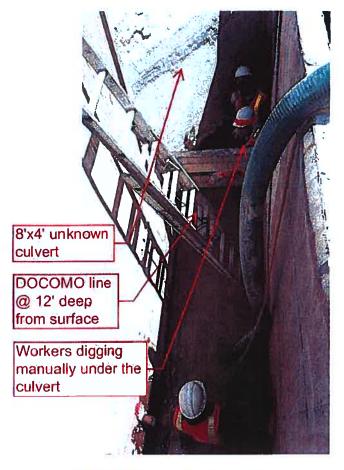
Jerlie M. Gutierrez

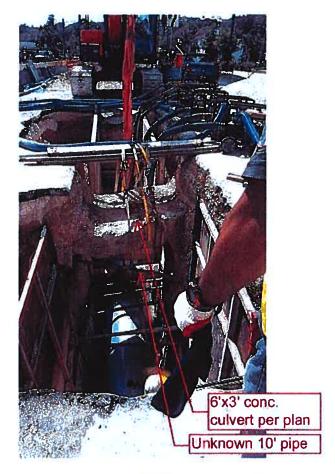
PROPACIFIC BUILDER CORP. formerly GUAM YOOSHIN CORP. 750 Rte 8 Ste 202 Hanam Plaza. Barrigada, Guam 96913 USA

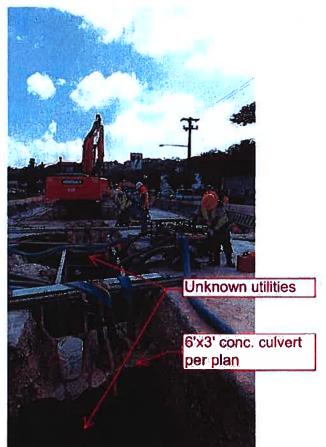
Attachment "D"

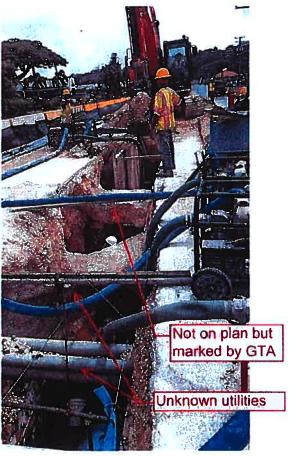






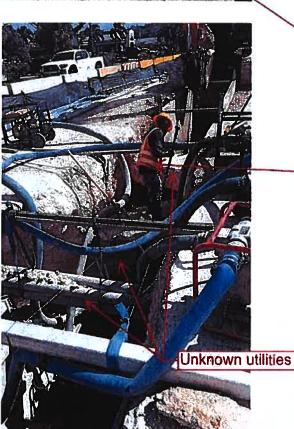


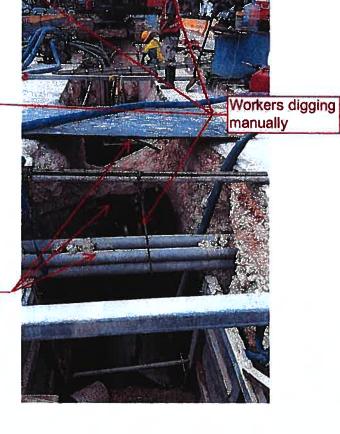












Extra Days Incurred Due to Unknown UG Lines

Segment	Date of Installation	Total Days of Installation	Extra Days Incurred
SL-6764			
Pipe #1 to Pipe #6	Jan. 24 to Apr.15	72	55
Pipe #1	Jan.24 - Feb. 6	14	11
Pipe #2	Feb.7 - 17	11	8
Pipe #3	Feb.18 - 19	2	0
Pipe #4	Feb.20 - Mar. 6	16	13
Pipe #5	Mar. 9 - 19	11	8
Pipe #6	Mar. 20 - Apr 15(less 2 CD for Holy Week & 7 CD for Covid 19)	18	15
SL-6764A			
Pipe #1 to Pipe#5	Apr 21 to Jun 1	43	28
Pipe #1	Apr.21 - 29	9	6
Pipe #2	Apr. 30 - May 4	6	3
Pipe #3	May 5 - 14	10	7
Pipe #4	May 15 - 19	5	2
Pipe #5	May 20 - Jun. 1	13	10
antina ya kita nga kata ana ana ana ana ana ana ana ana ana	Sub-total	115	83
	Total Extra Days Incurred Due to Unk	nown UG Lines	83

Extra Cost Incurred Due to Unknown UG Lines

(Calculation for DOCOMO UG Line is Separate)

Description	Qty	Unit	Unit Cost	Amount
Manpower				
Project Manager	2.77	Mo.	6,000.00	16,600.00
Project Engineer	2.77	Mo.	4,000.00	11,066.67
Site Super-Intendent	2.77	Mo.	4,000.00	11,066.67
Foreman	112	МН	23.00	2,576.00
Carpenter	150	MH	21.53	3,229.50
Mason	176	МН	21.53	3,789.28
Operator	286	МН	19.38	5,541.82
Helpers	1,000.50	MH	15.10	15,107.55
			Sub-total	68,977.49
quipments				
Excavators (2 each) including fuel @ \$120/Hr.	83	Days	960.00	79,680.00
Backhoe / Loader including fuel @ \$65/Hr.	83	Days	520.00	43,160.00
Pumps & Accessories (suction pipe w/ screen & discharge pipes) including fuel (10 gals. each/day)	83	Days		
SL-6764 (5 sets @ \$180/set)	55	Days	900.00	49,500.00
SL-6764A (3 sets @ \$180/set)	28	Days	540.00	15,120.00
Dewatering box, hoses, & pipes	1	Sets	3.0.00	Free
Traffic Control (signs, concrete barriers, traffic drums)	2	Sets		Free
Arrow Lights	3	Sets		Free
ESC control	2	Sets		Free
Safety equipments (trench boxes, shoring jacks, plyforms, hanger supports & straps, etc)	1	LS		Free
			Sub-total	187,460.00
			Total Cost	256,437.49
		Overhead	& Profit (15%)	\$38,465.62
			Sub-total	\$294,903.11
			GRT (5.21%)	\$15,364.45
	Total	Labor & Eq	uipment Cost	\$310,267.56

Extra Materials Cost			
Items	Qty	Unit	Cost
a. Pipes	4	Ea	620.004.00
b. Couplings	4	Ea	\$20,821.80
	Ove	rhead & Profit (15%)	\$3,123.27
		Sub-total	\$23,945.07
		GRT (5.21%)	\$1,247.54
		Total Cost	\$25,192.61
TO	FAL LABOR, EQUIPMENTS, 8	MATERIALS COST	\$335,460.17

Manhour Incurred for Extra Days of Digging Due to Unknown Underground Lines

	Pipe #6	2/13 2/14 2/17 2/25 2/26 2/27 3/6 3/12 3/13 3/16 3/17 3/18 3/19 4/1 4/8 4/13 4/14 4/15	2	40	8 16 8 8 8 176	8 7.5 8 8 175	39 38 23 46 37 39 38 27 23 32 29 38 30 24 32 16 16 32 782 E
		/19 4			∞		20
	c .	1,18 3			∞	6.5 7.5	28
	#2	3/17			∞	7	20
	Pipe #5	3/16			∞	7	32
		3/13			_∞	7	23
		3/12			00	7	77
		3/6			∞	7	38
764	Pipe #4	2/27			∞	6.5	30
SL-6764	Pip	2/26			∞	7	37
		2/25			∞	7	46
		27/2 1				6.5	73
	Pipe #2	3 2/14			∞	7	38
	ä				00	7	
		2/2	2		∞	7	2
		3 2/6		180	∞	7 (38
		1 2/5				10	7
	#1	3 2/4		_	00	∞	1 24
	Pipe #1	11 2/2		80	00	∞	3 20
		30 1/3		9		∞	7 36
		1/29 1/30 1/31 2/3 2/4 2/5 2/6 2/12		16 16		5 7	20 37 36 29 24 30 38
		Manpower 1/2	Foreman	Carpenter 1	Mason	Operator 6.5	Helper 2

						S	SL-6764A	¥ A							
		Pip	Pipe #1			Δ.	Pipe #3	m			В	Pipe #5	7		
Manpower		4/27	4/24 4/27 4/28 4/29 5/8 5/11 5/12 5/13 5/14 5/26 5/27 5/28 5/29 6/1	4/29	2/8	5/11	5/12	5/13	5/14	5/26	5/27	2/28	5/53	6/1	lotal MH
Foreman	∞	œ	∞	œ	6	4	œ	6	∞	∞	∞	œ	∞	∞	110
Carpenter	∞	∞	00	00	თ	4	00	6	œ	œ	œ	00	∞	∞	110
Mason															
Operator	∞	œ	œ	თ	6	4	œ	6	œ	œ	∞	œ	œ	∞	111
Helper	16	16	16 16 16 18 16	18	16	œ	16	16	16	16 16 16 16 16 16 16 16	16	16	16	16	218

SUMMARY O	SUMMARY OF MANHOUR
Foreman	112
Carpenter	150
Mason	176
Operator	286
Heiner	1 000 50



Page: 1 of 1

INVOICE

DATE 04/21/2020
INVOICE NO 00015655

400 EVELYN AVE SUITE #228 ALBANY, CA 94706 8600 SW SALISH LANE SUITE #1 WILSONVILLE, OR 97070

Ph : 510-426-4446 Fax : 510-833-2775

Email: eric@indigopiping.com SalesPerson: ERIC SCHMIDT

BILL TO: PROPACIFIC BUILDER CORP.

PO BOX 7446

TAMUNING, GU 96931

SHIP TO: PROPACIFIC BUILDER CORP.

PO BOX 7446 TAMUNING, GU 96931

ATTN:RECEIVING/WAREHOUSE

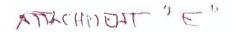
CUSTOMER JOB REF	CUSTOMER P.O.	PAYMENT TERMS
RTE 4 SWR -REHAB - ADDL	1802-S15-006-17	NET 30 DAYS AFTER ETA
CONTAINER NO.	NO. OF PIECES	ETA
MATU 252926-2	8PCS	04/28/2020
SHIPPED VIA	CARRIER	BILL OF LADING/AWB
OCEAN FREIGHT	MANOA 422W	5922384

ITEM#	QTY	B/O	UNIT	DESCRIPTION	UNIT PRICE	EXT AMT
1	88		LF	30" X 22FT LONG PVC C900 PIPE, DR 18,	120.64	\$10,616.32
				235 PSI, GASKETED JOINT		
2	4		EA	FLEX COUP 400-32.00-1/4X10 FBE 304SS	1,734.37	\$6,937.48
				B&N		
				300-3200041011		
	9			SUBTOTAL:		\$17,553.80
				INLAND FREIGHT		\$650.00
				LOADING		\$350.00
				OCEAN FREIGHT		\$2,200.00
				INSURANCE		\$68.00
	J					
	40.4.4.			TOTAL CIF GUA	AM JOBSITE:	\$20,821.80

THANK YOU, ERIC SCHMIDT

THIS ACCOUNT IS DUE AND PAYABLE PER THE TERMS ABOVE. BY ACCEPTING THESE GOODS AND NOT OBJECTING TO THE TERMS CONTAINED ON THIS INVOICE WITHIN TEN(10)DAYS, YOU AGREE THAT INTEREST OF 1% PER MONTH OR THE MAXIMUM ALLOWED BY THE LAW WILL BE CHARGED ON THE AMOUNT PAST DUE PLUS ATTORNEY FEES FOR ANY ACTION RELATED TO OR IN CASE OF LATE OR DEFAULT PAYMENT.PAYMENTS MADE VIA CREDIT CARD WILL INCUR A 3.29% PROCESSING FEE.

Attachment "E"



From:

Tyrone De Guzman [tyrone.deguzman@empsco.net]

Sent:

Tuesday, May 05, 2020 6:44 PM

To:

Jerlie M. Gutierrez

Cc:

Noel Viaje; sgyc@guam.net; 'Jean Yu'; 'Floriano Escabillas'; Butch Arce; Ferdie Cabuhat;

John Riegel

Subject:

Re: Docomo Cables

Jerlie,

Well noted;

Make sure ProPacific properly document unforeseen cable lines reference to your email below for your claim and Asbuilt drawing.

Regards,

Tyrone de Guzman PE EMPSCO Engineering Consultants

Get Outlook for iOS

From: Jerlie M. Gutierrez <rgyc@guam.net>

Sent: Tuesday, May 5, 2020 6:05 PM

To: Tyrone De Guzman

Cc: Noel Viaje; sgyc@guam.net; 'Jean Yu'; 'Floriano Escabillas'

Subject: Docomo Cables

Tyrone,

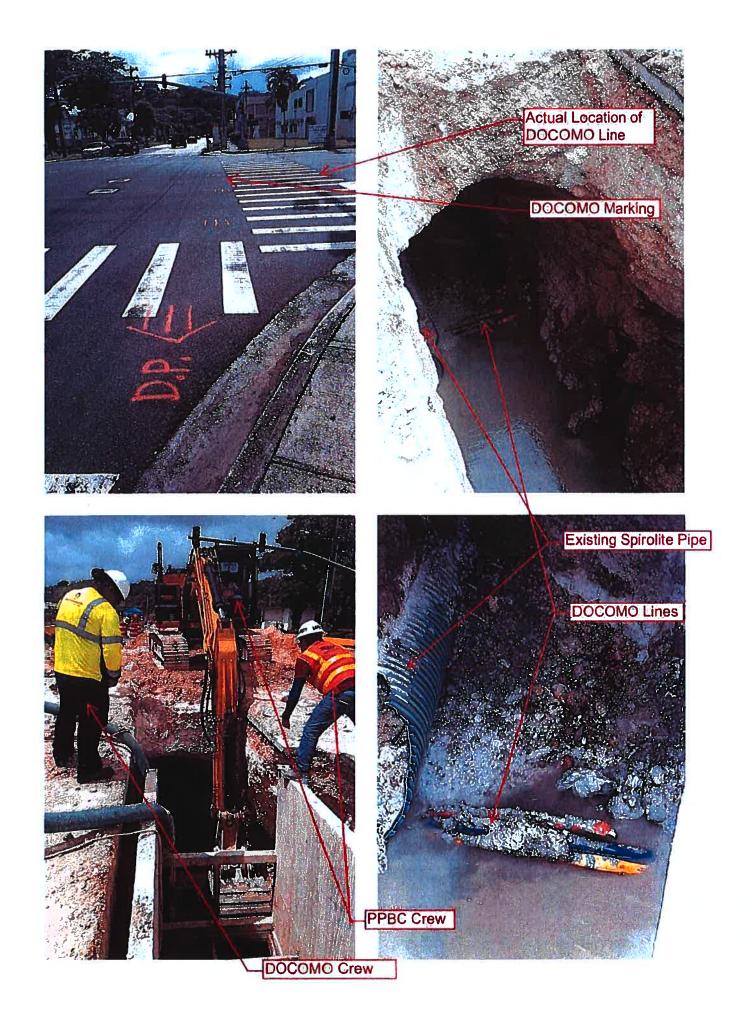
Although we are cautious on our excavation and I constantly reminding my crew regarding the ug utility markings especially this one, but this morning we still hit the Docomo UG line. The actual location is around 7 feet offset from their markings and it crosses directly under the existing spirolite pipe which is below 12'+ from the surface (please see attached photos). Docomo did not provide us information on its depth when they put the markings, we are expecting only a depth of 3' to 4' and not less than 3' away from their marking.

I informed them at 1 PM about the incident and they responded around 3 PM but they just check it and did not fix it today. They will be back tomorrow 9:00 am to do their repair. My trenching activity in SL-6764A is on hold since before lunchtime this morning until the Docomo crew is finished on their repair and so it cost another delay on our part.

Another issue is that the Docomo line is an obstruction on the elevation of the pipe we are going to install. We requested to them to adjust their line lower but they said they cannot do anything about it. We are still figuring out what to do, if we press it downward the line may break.

Best Regards,

Jerlie M. Gutierrez
PROPACIFIC BUILDER CORP.
formerly GUAM YOOSHIN CORP.
P.O. Box 7446 Tamuning,
Guam 96931 USA
Tel. (671) 477-3109



a	CONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF N			•		Annual Control	ATE: v. May 13, 2020
CONTRACT NO. S15-006-EPA	TITLE AND Route 4 Relief Sewer Line Re Guam Waterw	habilita	tion and	Replacement			ORT NO.
CONTRACTOR	ProPacific Builder Corp.		SUPERVI JPERINTE			Oliver Yusi /	
A.M. WEATHER Fair	P.M. WEATHER Fair	'	MAX. TEM	PERATURE (°F)		MIN. TEMPERAT	TURE (°F)
	WORK P	ERFO	RMED T	ODAY	<u> </u>		
	K LOCATION AND DESCRIPTION			PLOYEE	N	IUMBER	HOURS
Dewatering of treat		1		tions Manager		1	4
2. Excavation & tren		2		t Manager		1	9
	al of excavated materials for SL-6764A. y handhole for the traffic lights.	3		t Engineer	<u> </u>	1	9
5. Dewatering of tre		5		intendent			9
6. Excavation & tren		- 6	Foren			1	9
	al of excavated materials for SL-6764.	7	Carpe			2	18
8. Hauling & disposa	al of excavated materials for SL-6764.	8	Maso	n		3	25.5
	hbox for SL-6764 pipe #10.	9	- p			2	18
	rse & compaction for SL-6764 pipe #10.	10		lled Worker		7	63
	of TTCP & safety equipments for SMH-69						
	out sewer from SMH-6903 to SMH-937.	12		ician			
	SMH-6903 & SMH-937.	13					
14.Apply epoxy coati	ing @ SMH-0903. Id spill from Agana Bridge in Route 4 to	15					
	ia Sgt. Roy Damian Jr. Street.	16				···-····	
		17					
		18	}	·····			
		19					
		20					
	WAS A JOB SAFETY MEETING HELD THIS DATE?		T 1852		<u> </u>		
JOB Safety	WAS A JOS SAFETY MEETING MINUTES) WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES, attach copy of competed OSHA report)		x NO		OURS ON JOB !		164.50
				CUMULATIVE TOTAL OF	NORK HOURS FI	ROM PREVIOUS REPORT	17,270.00
WAS TRENCHING/SCAFFOLD/NY ELE (If YES, attach statement or checklist t	showing inspection performed)		X NO				15.15.155
	RELEASED INTO THE ENVIRONMENT? and proposed action)	YES	X NO	TOTAL WORK HOUR	S FROM START	OF CONSTRUCTION	17,434.50
Housekeeping Inspection of proper PP Inspection of tools and Inspection of mechanize	equipments.	TED			YES		EMENTS HAVE BEEN MET
EQUIPMENT/MATERIAL 45.5 cy 3/4 bedding roc	RECEIVED TODAY TO BE INCORPORATED IN	JOB			I		
CONSTRUCTION AND P	LANT EQUIPMENT ON JOB SITE TODAY.						
backhoe/ loader		trail					
excavator 2 each		arro	w lights				
dewatering boxes dump truck							
REMARKS:						<u> </u>	
Community quaranting Docomo Pacific crew Leak from CIPP was re	e due to COVID 19 was extended to June 5. still working on the excavated communication line. not yet fix by Insituform, unable to complete chann- avated materials happened at Rte 4 & Sgt. Roy Da	el at SMi amian St	in Mongr	nong. PPBC clean t			40, 0000
	Tristan A Project E					Vednesday, Ma DATE	y 13, 2020

ē .	CONTRACTOR PRODUCTIO (ATTACH ADDITIONAL SHEETS IF NE						ATE: <mark>May 05, 2</mark> 020
CONTRACT NO. S15-006-EPA	TITLE AND L Route 4 Rellef Sewer Line Reh Guam Waterwo	abilita	tion and	Replacement			ORT NO. 196
CONTRACTOR	ProPacific Builder Corp.		SUPERVI: JPERINTE			Oliver Yusi /	
A.M. WEATHER Fair	P.M. WEATHER Fair	N	IAX. TEM	PERATURE (°F)		MIN, TEMPERA	TURE (°F)
I Corr	WORK PE	RFO	RMED T	ODAY			
WOR	K LOCATION AND DESCRIPTION		EM	PLOYEE	N	UMBER	HOURS
1. Dewatering of tre	nch for SL-6764A.	1	Opera	tions Manager		1	4
2. Excavation & tren	ching for SL-6764A.	2		t Manager		1	8
	al of excavated materials for SI-6764A.	3		t Engineer		1	8
4. Survey & level pig		4		intendent		1	8
	ock around pipe #2 for SL-6764A.	5	Super				
6. Dewatering of tre		6	Forem			1	8
7. Excavation & tren		7 8	Carpe			3	16 24
9. Survey & level pir	al of excavated materials for SL-6764.	9	Masor Opera			2	16
	ock around pipe #9 of SL-6764.	10		led Worker		4	30.5
	rench above pipe #8 for SL-6764.	11					30,0
	of TTCP & safety equipments for SMH-6905						· · · · · · · · · · · · · · · · · · ·
	out sewer from SMH-6905 to SMH-935.	13					
14.Disinfect SMH-69		14					
15.Continue to place	concrete for bench & channel of SMH-6909	5. 15					
	bottom part of SMH-6905.	16					
17.Apply primer & in	termediate coat at bottom part of SMH-6905	. 17					
18.Install & removal	of TTCP & safety equipments for SMH-6904	. 18					
	out sewer from SMH-6904 to SMH-938.	19					
20.Disinfect SMH-69	04 & SMH-938.	20					
		SUPE	1110				
JOB	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES, attach copy of the meeting minutes)	YES	X	TOTAL WORK H	OURS ON JOB 8	ITE THIS DATE	122.50
SAFETY	WERE THERE ANY LOST TRIE ACCIDENTS THIS DATE? (If YES, attach copy of computed OSHA report)	YES	X NO	CUMULATIVE TOTAL OF V	VORK HOURS FF	ROM PREVIOUS REPORT	16,489.00
WAS TRENCHING/SCAFFOLDINV ELE (If YES, attach statement or checklist s		YES	X NO				
WAS HAZARDOUS MATERIAL/WASTE (If YES, attach description of incident o	RELEASED INTO THE ENVIRONMENT?	YES	X NO	TOTAL WORK HOUR	8 FROM START (OF CONSTRUCTION	16,611.50
LIST SAFETY ACTIONS Housekeeping Inspection of proper PP Inspection of tools and Inspection of mechanize	TAKEN TÖDAY/SAFETY INSPECTION CONDUCT E. equipments.	ΈD			YES		EMENTS HAVE BEEN MET
EQUIPMENT/MATERIAL 51 ton base course 23 cy CLSM. 43 cy 3/4 bedding rock.	RECEIVED TODAY TO BE INCORPORATED IN J	ОВ					
CONSTRUCTION AND P	LANT EQUIPMENT ON JOB SITE TODAY.					=	
backhoe/ loader		traile					
excavator 2 each			w lights				
dewatering boxes dump truck		DOOL	m truck				
REMARKS:						· · · · · · · · · · · · · · · · · · ·	
Community quaranting Geo-Engineering cond A Docomo Pacific cond	e due to COVID 19 was extended to June 5. ducted concrete test & sampling for CLSM of SL-670 nmunication line was excavated below existing spirow (lead by Joe Salas) responded at around 3 PM.			und 7' offset from cle	earance ma	rkings. Docomo wa	is .
TIOUNGU ATU UTEN CIEN	Tristan Ar Project En				·	Tuesday, May DATE	05, 2020

16.8	Decerinfian	000	***************************************	Tlaff-Cost	to J
1		THE STATE OF		Cast Cost	Cost
	Labor Cost				
	Project Manager	9	Days	272.72	1,636.32
	Project Engineer	9	Days	200.00	1,200.00
	Foreman	9	Days	200.00	1,200.00
	Helpers (2 x 14.01/hr) for dewatering & excavating.	9	Days	224.16	1,344.96
7	Equipments				
	Excavator w/ operator	9	Days	00.096	5,760.00
	Backhoe/Loader w/ operator.	9	Days	520.00	3,120.00
	Dewatering Pumps (2 each) with hose & fittings.	9	Days	204.00	1,224.00
	Miscellaneous Equipments (TTC, dewatering box, trench box, etc)	00	Days	Free	Free
			03	SUB-TOTAL	15,485.28
		0	verhead &	Overhead & Profit (15%)	2,322.79
			S)	SUB-TOTAL	17,808.07
			U	GRT (5.21%)	928.25
P			TO	TOTAL COST	18,736.32

Attachment "F"



Subject:

FW: GWA CIP Project Memo 2020MAR19

Attachments:

R4RSLRR Temp. Suspension of Work Due to COVID 19.pdf

From: Jerlie M. Gutierrez [mailto:rgyc@guam.net]

Sent: Thursday, March 26, 2020 3:01 PM **To:** 'mcbordallo@guamwaterworks.org'

Cc: 'John Riegel'; 'Butch Arce'; 'fgyc.ppbc@gmail.com'; 'Jean Yu'; 'Tristan P. Angeles'; 'Vicente Escabillas'; 'Tyrone De

Guzman'; 'Noel Viaje'

Subject: RE: GWA CIP Project Memo 2020MAR19

Miguel,

Please see attached letter providing our reasons for temporarily suspending our jobsite work for R4RSLRR project. We are looking forward for your consideration.

Best Regards,

Jerlie M. Gutierrez

PROPACIFIC BUILDER CORP. formerly GUAM YOOSHIN CORP. 750 Rte 8 Ste 202 Hanam Plaza, Barrigada, Guam 96913 USA Tel. (671) 477-3109 Fax (671) 477-7424

Email:rgyc@guam.net

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Monday, March 23, 2020 11:15 AM To: Jerlie M. Gutierrez; Noel Viaje

Cc: 'John Riegel'; Butch Arce; fgyc.ppbc@gmail.com; 'Jean Yu'; 'Diaz, Pete'; 'Cacilie Craft'; 'Tristan P. Angeles'; 'Vicente

Escabillas'; Jun Capulong; Nilo Villaluz

Subject: RE: GWA CIP Project Memo 2020MAR19

Jerlie,

We understand that ProPacific takes extra precautious to your workers due to the COVID 19 virus. That is your own business decision and may not necessarily justify as a time extension.

If you wish for consideration on this matter, Send a letter to the GM's office with documentation providing detailed reasons.

Regards,

Tyrone de Guzman, P.E. | EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929

Tel no.: 671.638.4716/5716; Fax: 671.638.2136 | empsco@guam.net

From: Jerlie M. Gutierrez <rgyc@guam.net> Sent: Monday, March 23, 2020 10:20 AM

To: Tyrone De Guzman <tyrone.deguzman@empsco.net>; Noel Viaje <noel.viaje@empsco.net>

Cc: 'John Riegel' <JRiegel@BrwnCald.com>; Butch Arce <butch.arce@empsco.net>; fgyc.ppbc@gmail.com; 'Jean Yu' <jgyc@guam.net>; 'Diaz, Pete' <Pete.Diaz@aecom.com>; 'Cacilie Craft' <ccraft@garciaandassociates.com>;

'Tristan P. Angeles' <dgyc@guam.net>; 'Vicente Escabillas' <sgyc@guam.net> Subject: RE: GWA CIP Project Memo 2020MAR19

Tyrone & Noel,

Due to the recent development on COVID 19 cases on Guam were more people have been tested positive and the 1st COVID 19 death during the weekends is a patient in Renal Care Clinic in Sinajana which is very very close to our jobsite, we are TEMPORARILY SUSPENDING OUR JOBSITE OPERATION FOR THIS WEEK. The victim may have infected other people in the clinic including the staff and those people are passing to our jobsite on a daily basis. There is also a high probability of COVID 19 virus presence on the sewage flow flush by infected people from that clinic, so we cannot work on the manhole rehab aside from the reason that they are not yet completed by Insituform.

As much as we want to progress with the project, our jobsite is located in major thoroughfares were lot of people (including those infected) pass daily, our workers are highly expose to this very contagious and deadly disease. Although we received a memo circulated last week but due to this latest development, we are hoping that there will be a consideration for this matter. We cannot put our workers health & safety in a clear and present danger. SAFETY FIRST!

Best Regards,

Jerie M. Gutierrez
PROPACIFIC BUILDER CORP.
formerly GUAM YOOSHIN CORP.
750 Rte 8 Ste 202 Hanam Plaza,
Barrigada, Guam 96913 USA
Tel. (671) 477-3109
Fax (671) 477-7424

Email:

From: Jerlie M. Gutierrez < rgyc@guam.net > Sent: Friday, March 20, 2020 3:49 PM

To: Tyrone De Guzman < tyrone.deguzman@empsco.net >

Cc: Noel Viaje <noel.viaje@empsco.net>; Butch Arce <butch.arce@empsco.net>; 'Vicente Escabillas'

<sgyc@guam.net>; fgyc.ppbc@gmail.com; 'Jean Yu' <jgyc@guam.net>; 'Diaz, Pete'

<Pete.Diaz@aecom.com>; 'Cacilie Craft' <craft@garciaandassociates.com>; 'John Riegel'

<JRiegel@BrwnCald.com>

Subject: RE:

Tyrone,

We will continue on our jobsite activities until the government order a total lockdown. We will continue our excavation & pipe laying activities as well as our manhole repairs on the inactive sewer line on the coming weeks. We temporarily suspend our rehab works on the active lines especially along Marine Drive due to high probability of COVID 19 virus presence on the sewage flow flush by infected people.

Best Regards,

Jerlie M. Gutierrez
PROPACIFIC BUILDER CORP.
formerly GUAM YOOSHIN CORP.
750 Rte 8 Ste 202 Hanam Piaza,

PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation) 750 Route 8 Suite 202 Hanam Plaza, Barrigado, Guam 96913 T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date:

March 26, 2020

To:

Miguel C. Bordallo, P.E. General Manager - GWA

Subject:

Temp. Work Suspension for S15-006-EPA R4RSLRR Due to COVID 19

Reference:

GWA CIP Project Memo 2020MAR19

Sir.

Due to the recent development on COVID 19 cases on Guam were more people have been tested positive (half of them are from Cental District) and the 1st COVID 19 death during the weekends is a patient in Renal Care Clinic in Sinajana which is very very close to our jobsite, we are temporarily suspending our jobsite operation for this week and it may be extended depending on the severity of the situation. The victim may have infected other people in the clinic including the staff and those people are passing to our jobsite on a daily basis. There is also a high probability of COVID 19 virus presence on the sewage flow flush by the infected people from that clinic or from their home, so working for the manhole rehabilitation is highly risky.

Although our project is an essential infrastructure, there is currently a functioning active line running parallel to this project thereby rendering no disruption nor delay of service to the people of Guam.

As much as we want to progress with the project, our jobsite is located in major thoroughfares where lot of people (including those infected) pass frequently, our workers are highly exposed to this very contagious and deadly disease. Although we received a memo circulated last week thru B&C but due to this latest development, we are hoping that there will be a consideration for this matter. We cannot put our workers health & safety in a clear and present danger. SAFETY FIRST!

We are looking forward for your consideration.

Thank you very much.

Sincerely,

Jerlie Gutierrez Project Manage

ProPacific Builders Corp.

Attachment "G"

CIPP TERMINATION LEAKS

DATE	DESCRIPTION	CALENDAR DAYS
30-0ct-19	Date when PPBC found strong leaks at SMH-6903 & SMH-6904 and been reported to CM.	218
8-Jun-20	Insituform/Mocon started the repair.	0
17-Apr-20	Another leaks were found at SMH-6907 & SMH-6906 and were reported to CM.	и
22-Apr-20	Insituform/Mocon repaired the leak at SMH-6906 & SMH-6907.	n
18-May-20	PPBC found leaks at CIPP termination in SMH-6899 & reported to CM.	
19-May-20	Site verification & meeting with B&C and EMPSCO.	17
4-Jun-20	Insituform/Mocon started the repair.	
21-May-20	PPBC found leaks at CIPP termination in SMH-181A & reported to CM.	92
June 10,202	Scheduled date when Insituform/Mocon to repair the CIPP termination leak.	07
Summary	Calendar days when PPBC started to find & report CIPP termination leaks during PPBC manhole rehab works up to Insituform/Mocon will repair the leaks.	221



Subject:

FW: Route 4 manhole inspection for leaks and leaks repairs

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Tuesday, June 02, 2020 12:30 PM

To: Jerlie M. Gutierrez; Noel Viaje; 'Floriano Escabillas'

Cc: 'Jean Yu'; John Riegel; Ferdie Cabuhat; Butch Arce; Jun Capulong; Nilo Villaluz; 'Vicente Escabillas'

Subject: FW: Route 4 manhole inspection for leaks and leaks repairs

Jerlie,

The following are the tentative schedule of Insituform/Mocon for inspection and leak repair of manholes. Insituform/Mocon shall provide their traffic control, access, safety equipment, pumps, plugs, repair materials, and labor required for inspection and repairs.

a. June 5, Friday: Manhole 6899 and 6901

b. June 8, Monday: Manhole 6902 and 6904

c. June 9, Tuesday: Manhole 6908

d. June 10, Wednesday: Manhole 180 and 181A

e. June 11, Thursday: Manhole 183

Pleas note that schedule may change depending on time required to inspect each manhole. Let me know If you have any questions/clarification.

Thank you,

Tyrone

Tyrone de Guzman, P.E. EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929

Tel no.: 671.638.4716/5716; Fax: 671.638.2136 | empsco@guam.net

From: Garrett Fogg <garrettfogg@moconpacific.com>

Sent: Tuesday, June 02, 2020 9:09 AM

To: Ferdie Cabuhat < ferdie Cabuhat ferdie Cabuhat @empsco.net; John Riegel JRiegel@BrwnCald.com; Daren Miller dmiller@aegion.com; Darin Fogg darinfogg@moconpacific.com; Ryan Rucker rrucker@aegion.com)

Subject: Route 4 manhole inspection

Hi everybody,

I informed Ferdie this morning but wanted to make sure everyone is on the same page. My tentative schedule for inspecting manholes on the Route 4 project is below.

Friday 6/5: Manhole 6899 and 6901

Monday 6/8: 6902 and 6904

Tuesday 6/9: 6908

Wednesday 6/10: 180 and 181A

Thursday 6/11: 183

Schedule may change depending on time required to inspect each manhole.

Thank you,

Garrett Fogg

99-1000 Halawa Valley Street | Suite A | Aiea, HI 96701

Cell: 808-780-5411

Guam Cell: 671-489-3970

Subject:

FW: CIPP Termination Leak at SMH-6899

From: Jerlie M. Gutierrez [mailto:rgyc@guam.net]

Sent: Wednesday, May 20, 2020 4:15 PM
To: 'Tyrone De Guzman'; 'Ferdie Cabuhat'

Cc: 'Noel Viaje'; 'Vicente Escabillas'; 'Jean Yu'; 'Floriano Escabillas'

Subject: RE: CIPP Termination Leak at SMH-6899

Tyrone,

Since we cannot do anything yet on SMH-6899 until the leak is fixed, we will advance to other manholes. Below is our revised target schedule for the manhole rehab:

SMH-181A	May 21-25
SMH-181	May 26-28
SMH-180	June 1-5
SMH-183	June 8-11
SMH-6899	After Insituform/Mocon seal the leak
SMH-6904	After Insituform/Mocon seal the leak
SMH-6902	After pipe replacement
SMH-6901	After pipe replacement
SMH-6908	TBD
SMH-6709	TBD
SMH-939	TBD

These are just target schedule, we may revise them depending on what we will encounter. We will give you notice when there are changes.

Best Regards,

Jerlie M. Gutierrez

From: Jerlie M. Gutierrez [mailto:rgyc@guam.net]

Sent: Monday, May 18, 2020 5:22 PM **To:** 'Tyrone De Guzman'; 'Ferdie Cabuhat'

Cc: 'Noel Viaje'; 'Vicente Escabillas'; 'Jean Yu'; 'Floriano Escabillas'

Subject: RE: CIPP Termination Leak at SMH-6899

Tyrone,

Our only remaining work in SMH-6899 is the epoxy coating of the floor. Until the leak is fixed there is nothing for us to work on for this particular manhole so we will advance to the next manhole which is SMH-181A on Wednesday instead.

Best Regards,

Jerlie M. Gutierrez

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Monday, May 18, 2020 4:49 PM **To:** Jerlie M. Gutierrez; Ferdie Cabuhat

Cc: Noel Viaje; 'Vicente Escabillas'; 'Jean Yu'; 'Floriano Escabillas'

Subject: RE: CIPP Termination Leak at SMH-6899

Jerlie,

Ferdie is coordinating with Mocon about the leak at SMH 6899.

Your schedule for <u>SMH 6899</u> is on <u>May 20 -21</u>. As agreed with John, Mocon/Insituform can do INSPECTION only on the following dates to verify the leak.

SMH-6900	May 14-19		
SMH-6899	May 20-21		
SMH-181A	May 25-27		
SMH-181	May 27-29		
SMH-180	June 1-5		
SMH-183	June 8-11		

Note that John already informed Insituform/Mocon on this schedule.

Regards,

Tyrone de Guzman, P.E. | EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929

Tel no.: 671.638.4716/5716; Fax: 671.638.2136 | empsco@guam.net

From: Jerlie M. Gutierrez <rgyc@guam.net> Sent: Monday, May 18, 2020 4:33 PM

To: Tyrone De Guzman <tyrone.deguzman@empsco.net>; Ferdie Cabuhat <ferdie.cabuhat@empsco.net> Cc: Noel Viaje <noel.viaje@empsco.net>; 'Vicente Escabillas' <sgyc@guam.net>; 'Jean Yu' <jgyc@guam.net>;

'Floriano Escabillas' <fgyc.ppbc@gmail.com>
Subject: CIPP Termination Leak at SMH-6899

Tyrone,

Our crew for SMH rehab works encountered a very strong leak at the bottom part upstream side of the manhole between pipe & CIPP when they placed the plug and drain the manhole (please see attached video). Our schedule to complete our rehab for this manhole is on Wednesday per preceding email. Please have Insituform/Mocon fix it by tomorrow so we can proceed as schedule. We will continue our work on SMH-6900 tomorrow.

Best Regards,

Jerlie M. Gutierrez

From:

Sent:

To:

Cc:

Jerlie M. Gutierrez [rgyc@guam.net]
Friday, May 08, 2020 9:36 AM
'Noel Viaje'; 'Ferdie Cabuhat'
'Tyrone Grand'; 'Vicente Escabillas'; 'Jean Yu'; 'fgyc.ppbc@gmail.com'

Subject:

CIPP Leak in SMH-6904

Noel/Ferdie,

May we know when can Insituform fix the leak between CIPP & existing pipe at SMH-6904? It has been reported since Wednesday and we cannot finish our channeling & benching for this manhole with this leak.

Best Regards,

Jerlie M. Gutierrez PROPACIFIC BUILDER CORP.

formerly GUAM YOOSHIN CORP. P.O. Box 7446 Tamuning, Guam 96931 USA Tel. (671) 477-3109

Fax (671) 477-7424

Email: rgyc@guam.net

Subject:

FW: CIPP Leak at SMH-6906

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Tuesday, April 21, 2020 5:24 PM

To: Jerlie M. Gutierrez

Cc: Noel Viaje; Ferdie Cabuhat; fgyc.ppbc@gmail.com; 'Jean Yu'; 'Vicente Escabillas'

Subject: RE: CIPP Leak at SMH-6906

Jerlie.

Noted; This shall be one of the items Mocon will repair tomorrow so you can complete your rehabilitation work. I will send also this information to BrnCald for record. You need to log the days that impact PPBC schedule due to this redo work of Mocon so, we have all the records for the justifiable claim.

I think you already receive John's email for tomorrow. We are looking forward for your help and cooperation for the mutual interest to finish the project. Thank you very much.

Regards,

Tyrone de Guzman, P.E. | EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929

Tel no.: 671.638.4716/5716; Fax: 671.638,2136 | empsco@guam.net

From: Jerlie M. Gutierrez <rgyc@guam.net>
Sent: Tuesday, April 21, 2020 4:25 PM

To: Tyrone De Guzman <tyrone.deguzman@empsco.net>

Cc: Noel Viaje <noel.viaje@empsco.net>; Ferdie Cabuhat <ferdie.cabuhat@empsco.net>; fgyc.ppbc@gmail.com;

'Jean Yu' <jgyc@guam.net>; 'Vicente Escabillas' <sgyc@guam.net>

Subject: CIPP Leak at SMH-6906

Tyrone,

There are also leaks between CIPP liner & old pipes in SMH-6906 on both upstream & downstream connections but the upstream side is really strong. Leaks are located on the bottom part of the sewer lines where it was not grouted just like those in SMH-6907. Please see attached photos.

Best Regards,

Jerlie M. Gutierrez

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Friday, April 17, 2020 5:40 PM

To: Jerlie M. Gutierrez

Cc: Noel Viaje; Ferdie Cabuhat; fgyc.ppbc@gmail.com; 'Jean Yu'; 'Vicente Escabillas'

Subject: RE: CIPP Leak at SMH-6907

Jerlie,

Noted; I will coordinate this with BrownCald as soon as possible. I know there was an initial talk between you and Noel in regards with the issue.

I'll get back to you.

Regards,

Tyrone de Guzman, P.E. | EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929

Tel no.: 671.638.4716/5716; Fax: 671.638.2136 | empsco@guam.net

From: Jerlie M. Gutierrez < rgyc@guam.net >

Sent: Friday, April 17, 2020 5:22 PM

To: Tyrone De Guzman < tyrone.deguzman@empsco.net >

Cc: Noel Viaje <noel.viaje@empsco.net>; Ferdie Cabuhat <ferdie.cabuhat@empsco.net>; fgyc.ppbc@gmail.com; 'Jean Yu' <jgyc@guam.net>; 'Vicente Escabillas' <sgyc@guam.net>

Subject: CIPP Leak at SMH-6907

Tyrone,

We cannot complete our construction of channel & bench at SMH-6907. We already poured concrete for the sides but we cannot finish the floor due to a leak coming from between CIPP liner & pipe at the bottom part in the downstream side of the manhole. The liner was grouted around the edges by the Insituform except on the bottom part thus where the water leak goes out. This not our scope and it needs to be fixed by Insituform so we can complete ours. This is the only manhole we have dried up for now, we still have to see the other manholes as we move to work on them.

Attached are some photos. I have a video but the file size is large it stalled my computer. Anyway, we inspected this with Noel & Ferdie and they also have their own photos & videos.

Best Regards,

Jerlie M. Gutierrez
PROPACIFIC BUILDER CORP.

Subject:

FW: GWA-S15-006-EPA Route 4 RSLRR (Liner Termination at SMH Shot 2, 3 and 4)n

S Shalls BE 2

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Tuesday, February 11, 2020 2:07 PM

To: Jerlie M. Gutierrez

Cc: Noel Viaje; fgyc.ppbc@gmail.com; sgyc@guam.net; jgyc@guam.net; 'Tristan P. Angeles'; Butch Arce; George

Watson; John Riegel; Jun Capulong; Nilo Villaluz

Subject: FW: GWA-S15-006-EPA Route 4 RSLRR (Liner Termination at SMH Shot 2, 3 and 4)n

lerlie

Per Mocon, a tentative schedule to repair termination ends is on Monday, 1/17/20. If there a change of date, we shall let you know.

Regards,

Tyrone de Guzman, P.E. EMPSCO Engineering Consultants

1998 Army Drive. 2/F EMPSCO Bldg. Dededo, Guam 96929 Tel no. 671.638.4716/671.638.5716; Fax: 671.6382136 empscora guam.net

From: Ted Kepper <tedkepper@moconpacific.com>

Sent: Tuesday, February 11, 2020 12:44 PM

To: Ferdie Cabuhat <ferdie.cabuhat@empsco.net>

Cc: Daren Miller <dmiller@aegion.com>; Butch Arce <butch.arce@empsco.net>; Nilo Villaluz <nilo.villaluz@empsco.net>; Jun Capulong <jun.capulong@empsco.net>; Tyrone De Guzman

<tyrone.deguzman@empsco.net>; Noel Viaje <noel.viaje@empsco.net>

Subject: Re: GWA-S15-006-EPA Route 4 RSLRR (Liner Termination at SMH Shot 2, 3 and 4)

Hi Firdie,

As of today Mocon has received the grouting material for the termination ends of the installed CIPP liners. We are anticipating on having a crew available on Monday to begin the sealing process. I have not acknowledged this info with Daren Miller with Insituform but I don't believe he will have any objections with our tentative schedule.

Thanks a Bunch, Ted

Ted Kepper

Operations Manager 99-1000 Halawa Valley Street | Suite A | Aiea, HI 96701

P: 808-222-0183

Subject:

FW: Strong Water Leaks at SMH 6903 & SMH-6904

From: Jerlie M. Gutierrez [mailto:rgyc@quam.net]

Sent: Friday, February 07, 2020 8:46 AM

To: 'Tyrone De Guzman'

Cc: 'Noel Viaje'; 'Ferdie Cabuhat'; 'sgyc@guam.net'; 'jgyc@guam.net'; 'John Riegel'; 'George Watson'; 'Butch Arce'

Subject: RE: Strong Water Leaks at SMH 6903 & SMH-6904

Tyrone,

Do we have update of when Insituform will fix the leaks so we can proceed on our manhole benching & channeling works? These works also have long duration because we need to cure the concrete before we can apply epoxy coating. The process cannot be done simultaneously for couple of manholes but only one by one from downstream smh to upstream smh because once we cut the lateral in a particular smh, sewage from that lateral will already be discharging to the downstream SL. This affects also our construction schedule. We will submit claim for this.

Best Regards.

Jerlie M. Gutierrez

From: Butch Arce [mailto:butch.arce@empsco.net]

Sent: Friday, December 06, 2019 7:22 PM

To: George Watson; Tyrone De Guzman; Jerlie M. Gutierrez

Cc: Noel Viaje; Ferdie Cabuhat; sgyc@guam.net; jgyc@guam.net; John Riegel; Jun Capulong; Nilo Villaluz

Subject: RE: Strong Water Leaks at SMH 6903 & SMH-6904

For the record, and given the development of un-expected events relevant to this project, the following needs to be noted:

- 1. Per CM's review, progress of work by ITF indicates that they are substantially behind on their work schedule as compared to their current proposed schedule. It is required that ITF shall take necessary steps to improve its progress of work at no additional cost to GWA.
- 2. It has also come to CM's attention that certain aspects of PPBC work scope hinges on the timely completion of work scope that needed to be completed by ITF, prior to PPBC starting their phase or portion of the work. Under this circumstance, there exists the potential claim for delays by PPBC as a result of ITF falling behind in their work progress. It shall be made clear that GWA shall not be responsible for costs attributed to such delays.
- 3. At last week's meeting, ITF has stated that all of their personnel will be off-island. In this regard, we conclude that no major work activities will be performed by ITF during the month of December 2019. Non-compliance by ITF to meet approved work schedule would adversely affect completion of this project. ITF has not made or taken any action to address how the planned completion date will be regained or met.

In view of the above concerns, it is requested that all concerned parties to immediately schedule a meeting to address the above concerns.

r/ba

From: George Watson [mailto:gwatson@BrwnCald.com]

Sent: Friday, December 06, 2019 9:54 AM To: Tyrone De Guzman; Jerlie M. Gutierrez

Subject:

FW: Strong Water Leaks at SMH 6903 & SMH-6904

From: Jerlie M. Gutierrez [mailto:rgyc@guam.net]
Sent: Tuesday, December 10, 2019 10:48 AM
To: 'George Watson'; 'Tyrone De Guzman'

Cc: 'Noel Viaje'; 'Ferdie Cabuhat'; 'sgyc@guam.net'; 'jgyc@guam.net'; 'John Riegel'; 'Butch Arce'; 'Jun Capulong'; 'Nilo

Villaluz'

Subject: RE: Strong Water Leaks at SMH 6903 & SMH-6904

George & Tyrone,

We cannot even start the main works for the manhole rehabs that have long durations until these leaks are repaired because they have to be done in sequence and should start from downstream manholes to upstream manholes.

- Cut and connect laterals: we have to cut the existing laterals and provide temporary annular bypass with flexible pipes from lateral inflow going to the sewerline so that we can plug the existing lateral outflow between manholes with CLSM. The elevation of these laterals are within the height of the bench thus we cannot do proper channels for lateral flows while in the other side there will be a canal.
- Channeling & Benching: We cannot pour concrete for benching if there is a strong leaks on the mouth of the manholes, the concrete will just flow inside the pipes. Since the floor of the manholes are way below grade, the temperature is cold thus the concrete takes longer than normal to be dry.
- Epoxy coating: we have to wait for the concrete (channel & bench) to be dried before we can apply the coating.

Furthermore, the lines that have been installed with CIPP must be activated first so we can cut & connect the laterals and let sewage flow to the activated lines.

Best Regards,

Jerlie M. Gutierrez

From: George Watson [mailto:gwatson@BrwnCald.com]

Sent: Friday, December 06, 2019 9:54 AM **To:** Tyrone De Guzman; Jerlie M. Gutierrez

Cc: Noel Viaje; Ferdie Cabuhat; sgyc@guam.net; jgyc@guam.net; John Riegel; Butch Arce; Jun Capulong; Nilo Villaluz

Subject: RE: Strong Water Leaks at SMH 6903 & SMH-6904

To add to the information below, Insituform (via Mocon) is still waiting on the materials they would need to repair the infiltration. It has been ordered according to Ted, but not on island yet. Also, many of their guys will be leaving the island in the next week or two for Christmas leave.

From: Tyrone De Guzman <tyrone.deguzman@empsco.net>

Sent: Friday, December 06, 2019 8:59 AM
To: Jerlie M. Gutierrez <rgyc@guam.net>

Cc: Noel Viaje <noel.viaje@empsco.net>; Ferdie Cabuhat <ferdie.cabuhat@empsco.net>; sgyc@guam.net; jgyc@guam.net; George Watson <gwatson@BrwnCald.com>; John Riegel <JRiegel@BrwnCald.com>; Butch Arce <butch.arce@empsco.net>; Jun Capulong <jun.capulong@empsco.net>; Nilo Villaluz <nilo.villaluz@empsco.net>

Subject: RE: Strong Water Leaks at SMH 6903 & SMH-6904

Jerlie.

We are fully aware on the situation; that is why we are pushing the Insituform to repair the leaks when the issue brought on the table. Unfortunately, Insituform can do the repair at around $2^{nd}-3^{rd}$ week of January 2020 based on yesterday meeting.

I know that it will affect your crew and schedule in general.

We really appreciate if you can you give us a more detail effect based insituform behind schedule to perform the leak repair job.

Thank you, Tyrone

Tyrone de Guzman, P.E. EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929 Tel no. 671.638.4716/671.638.5716; Fax: 671.6382136 empscor@guam.net

From: Jerlie M. Gutierrez < rgyc@guam.net > Sent: Thursday, December 5, 2019 4:38 PM

To: Tyrone De Guzman <tyrone.deguzman@empsco.net>

Cc: Noel Viaje < noel.viaje@empsco.net>; Ferdie Cabuhat < ferdie.cabuhat@empsco.net>; sgyc@guam.net;

jgyc@guam.net

Subject: RE: Strong Water Leaks at SMH 6903 & SMH-6904

Tyrone,

May I know the schedule when Insituform will finish the repair of the leaks between CIPP and the old pipes on the mouth of the existing manholes along Route 4? We have reported this issue more than a month already. We cannot do our channeling and benching works until these leaks are subdued and consequently also delay the works for lateral connections, filling with CLSM the laterals between manholes, and completing the epoxy coatings. My crew for the manhole rehabs can only do minimal works on the manholes that need to be rehabilitated until leaks are repaired.

Best Regards,

Jerlie M. Gutierrez

From: Tyrone De Guzman [mailto:tyrone.deguzman@empsco.net]

Sent: Wednesday, October 30, 2019 3:33 PM

To: Jerlie M. Gutierrez

Cc: Noel Viaje; Ferdie Cabuhat; sgyc@guam.net; jgyc@guam.net; <a href="mai

Jerlie,

Noted; I will coordinate the issue to Brown and Caldwell.

Tyrone de Guzman, P.E.

EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929 Tel no. 671.638.4716/671.638.5716 ; Fax: 671.6382136 empscora guam.net

From: Jerlie M. Gutierrez < rgyc@guam.net > Sent: Wednesday, October 30, 2019 2:47 PM

To: Tyrone De Guzman < tyrone.deguzman@empsco.net >

Cc: Noel Viaje <noel.viaje@empsco.net>; Ferdie Cabuhat <ferdie.cabuhat@empsco.net>;

sgyc@guam.net; jgyc@guam.net

Subject: Strong Water Leaks at SMH 6903 & SMH-6904

Tyrone,

There are strong water leaks at SMH-2903 & SMH-6904 coming from both sides of the manhole inbetween the pipes and the CIPP (please see attached video). These are no longer part of our scope. Our grout injections on these manholes are done and no more leaks prior to CIPP installation.

Best Regards,

Jerlie M. Gutierrez

Attachment "H"

DELAYS DUE TO ADVERSE WEATHER CONDITION

Difference		4	12	0.5	16.5
	Total	11	13	2.5	TOTAL
Adverse Weather Condition	Typhhon				
Adverse Wea	Rainy	5.5	0.5	1	
	Occassional Rain	5.5	12.5	1.5	
Anticipated Rain Days		7	-	2	
Month		Sep-19	Apr-20	May-20	

ProPacific Builder Corp. PCO no. 5



PROPACIFIC BUILDER CORPORATION

(formerly Guam Yooshin Corporation)
750 Route 8 Suite 202 Hanam Plaza,
Barrigada, Guam 96913
T. 671.477.3109 | F. 671.477.7424 | jgyc@guam.net

Date;

July 23, 2020

To:

John Riegel, PE

Program Management, Senior Manager

Brown & Caldwell

Thru:

Tyrone De Guzman, PE

Project Manager

EMPSCO Engineering Consultants

Subject:

CHANGE ORDER FOR CHANGE OF SCOPE

(Reallignment of Cost)

Reference:

S15-006-EPA (Schedule A)

Route 4 Relief Sewerline Rehabilitation and Replacement

Dear Mr. Riegel,

Incompliance with your instructions in relation to the changes to the plans and specifications to accommodate the request of DPW-Highways Division during the permitting stage to lessen the affected traffic specifically at Route 4 - O'Brian intersection which led to the changes of some SOW. We are submitting a proposed change order for reallignment of the cost. These are the following changes on the SOW:

- Reduction of the construction of the proposed pre-cast sewer manhole from 2 to 1 (SMH-493A-Bid item 8.0). By the time the changes were decided, the pre-cast manholes are already been fabricated while the manhole covers are already been procured and shipped and are stored in our laydown area.
- Deletion of the installation of 12" SL between SMH-6901A & SMH-493A (Bid item 4.0). By the time the changes were decided, the materials are already been procured and shipped and are stored in our laydown area.
- Off-seting the construction of the new manhole (SMH-6901A). Due to relocating the proposed new manhole Westward, the median curb in front of Nanbo Insurance and one electrical handhole for the traffic signal were caught up in the excavation & trenching works thus need to be demolished and be reconstructed later.
- Off-seting of the laying of new 30" sewerlines. Due to the off-setting of the new sewer lines on
 one end but intersect with the existing pipes to be demolished on the other ends, the excavation
 and trenching works and as well as the removal of existing spirolite pipes became more difficult.
 It also made the trench wider than it supposed to be thus it doubled the excavation & trenching
 works, doubled the quantity of excavated materials to haul & disposed, more ground water to

pump out from trench, doubled the materials needed to backfill in the trench such as the bedding rocks, base course, and CLSM, and also added labor & equipments cost.

Although we spend more on the additional works brought about by these changes than the cost of the deleted items, we will abide by our discussion during our progress meeting that we will just equate this to "0-0", meaning there will be no addition nor reduction on the original contract price relating to these changes.

Attached are the calculation, related email from the CM, revised drawings and edited bid pages from AECOM for your reference.

Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

Sincerely

Jerlie M. Grifferrez Project Manager

ProPacific Builders Corp.

S15-006-EPA PCO #5

Change of Scope Due to Change in Design

The state of the s			Contract Information				Purchased Materials Cost		
Bid Item No.	Description	Item Qty	Units	Unit Price	Total Value of Item (5)	Materials Cost	Mark-up 0,21	Total Cost	other Materials Labor, & Equipment Cos
DEDUCT	TIVE ITEMS		- 2			7-1		Jul	
4.1	Installation of new 12" PVC Pipe & fittings by open trench, including warning/identification tape, cleaning, & testing, & CCTV.	22.00	LF	1,260.00	27,720.00	683.20	143.47	826.67	26,893.33
6.1	Removal of existing Spirolite pipes & fittings including hauling and disposal.	40.00	LF	320.00	12,800.00				12,800.00
7.2	Excavation for manholes including dewatering, muck handling & disposal, installation of shoring & trench box.	1.00	EA	15,000.00	15,000.00				15,000.00
7.5	Backfill & compaction for manhole.	1.00	EA	12,000.00	12,000.00				12,000.00
8.1	Precast Sewer Manhole, SMH-493A including flexible pipe seals and connectors, grade adjustment rings, frames and covers, CLSM.	1.00	EA	18,000.00	18,000.00	3,870.82	812.87	4,683.69	12,154.71
	Hauling & Delivery from HRP yard to Toto Laydown Area					960.00	201.60	1,161.60	
8.2	Epoxy coating.	1.00	EA	5,000.00	5,000.00				5,000.00
8.3	Channelized inverts, & testing.	1.00	EA	5,000.00	5,000.00				5,000.00
	TOTAL DEDUCTIVE	= 57/41	125-70		95,520.00	5,514.02	1,157.94	6,671.96	88,848.04
ADDITI	VE ITEMS	1900		4.00		4.0		14-50-50	24,50
7.0	Unclassified Trench Excavation and Backfill, Including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, much handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.								
7.1	Trench Excavation for pipes including dewatering, muck handling & disposal, installation of shoring & trench box (3cy+/LF).	311.00	LF	420.00		•			88,848.04
7.4	Backfill for pipes including pipe bedding & CLSM.	311.00	LF	420.00					
	Miscellaneous restoration works:	1.00	LS	10,000.00					
7.6	Demolition and restoration of Curb and Median in front of Nanbo Insurance.								
	Demolition and restoration of electrical hanhole for traffic lights.								
	Painting of Curb.					NEGC 11 TE			
	TOTAL ADDITIVE						3	TERRITOR E	88,848.04
DIFFE	DENGE TO THE PERSON OF THE PER		44 Ta 19	Harry Committee	243/10 3 4 4 5	ESEXUATE SAL	15 410 (4.13) 4 . 4	100	0.00

Jerlie M. Gutierrez

Subject: Attachments: FW: Route 4 Relief Sewer: Route 4 Design Change

C-107 and C-108_Revised.pdf; 00410 Bid Form_Rebid_CO1.pdf; 00410 Bid

Form_Rebid_CO1_edits.pdf; 01 11 00 Summary of Work_Rebid_CO1_edits.pdf; 01 11 00

Summary of Work Rebid CO1.pdf

From: Tyrone De Guzman

Sent: Friday, July 12, 2019 2:03 PM
To: Jerlie M. Gutierrez <rgyc@guam.net>

Cc: sgyc@guam.net; 'Tristan P. Angeles' <dgyc@guam.net>; Noel Viaje <noel.viaje@empsco.net>; Butch Arce <butch.arce@empsco.net>; Jun Capulong <jun.capulong@empsco.net>; Nilo Villaluz <nilo.villaluz@empsco.net>;

jgyc@guam.net; Ferdie Cabuhat <ferdie.cabuhat@empsco.net>
Subject: FW: Route 4 Relief Sewer: Route 4 Design Change

Jerlie,

Attached herewith are the plans and specification for the design change. Please review the changes.

**You can submit the affected Plans to Guam DPW.

For Change order on this design change, changes necessary to the plans and specification shall be described in CO. Price will be change as a result of manhole deletion, so the affected item on bid shall have a new price. We will discuss this CO as part of the agenda on the next bi-weekly meeting.

Thanks, Tyrone

Tyrone de Guzman, P.E.

EMPSCO Engineering Consultants

1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929 Tel no. 671.638.4716/671.638.5716; Fax: 671.6382136 empsco@guam.net

From: George Watson < gwatson@BrwnCald.com >

Sent: Tuesday, July 9, 2019 10:50 AM

To: Tyrone De Guzman < tyrone.deguzman@empsco.net >

Cc: John Riegel <JRiegel@BrwnCald.com>; Noel Viaje <noel.viaje@empsco.net>; Ferdie Cabuhat

<ferdie.cabuhat@empsco.net>; Butch Arce <butch.arce@empsco.net>

Subject: FW: Route 4 Relief Sewer: Route 4 Design Change

Tyrone,

Please see the attached. Have not heard from Tom Cruz about any additional comments or changes, and if there are, I will let you know. As of now, these are the changes to the plans and specs. I included both the clean version and the version showing the changes for the bid form and summary of work. These changes will need to be reviewed by the contractor (PPBC) as well for their compliance, and we can discuss any additional items after.

Thank you, George

From: George Watson

Sent: Wednesday, July 03, 2019 3:27 PM

To: thomas@guamwaterworks.org

Cc: John Riegel (JRiegel@BrwnCald.com) <JRiegel@BrwnCald.com>; Kurt Bilz <KBilz@BrwnCald.com>; Pete Diaz

< Pete. Diaz@aecom.com>

Subject: FW: Route 4 Relief Sewer: Route 4 Design Change

Tom,

Please see attached and some of the changes to the specs below. These are the design changes we talked about at the Route 4 and O'Brian intersection. These changes reduce the number of new manholes installed from two to one, lessen the traffic affected, and in general simplify the work needed. Please let us know if you have any questions. If not, I'll be discussing these changes with PPBC and EMPSCO, and producing a change order.

Thank you, George

From: Diaz, Pete < Pete.Diaz@aecom.com > Sent: Wednesday, July 03, 2019 11:35 AM

To: John Riegel < JRiegel@BrwnCald.com >; George Watson < gwatson@BrwnCald.com >

Cc: Joo, Seungdon < Seungdon. Joo@aecom.com >

Subject: RE: Route 4 Relief Sewer: Route 4 Design Change

Hi John/George,

No changes to the design plans we shared last week when we incorporated John's comment. See attached. George: you were going to confirm if design changes to be made on original scan of design plans or if a new drawing requiring new signature was preferred.

As far as changes to the specifications to account for the design changes see the verbiage below:

Section 01 11 00, 1.02.B.6.

Delete sentence and replace with "Construct sewer manhole, SMH 6901A."

Section 01 11 00, 1.02.B.7.

Delete sentence in its entirety.

Section 00410, 5.01, Schedule A – Base Bid:

Under Bid Item No. 4, delete in its entirety.

Under Bid Item No. 6,

Delete the description and replace with "30" PVC pipe, installed by open trench, including existing pipe removal within trench excavation, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete."

Under Bid Item No. 8,

Delete "and 493A" from the description and revise the quantity from "2" to "1"

Under Bid Item No. 11, revise quantity from "280" to "400"

Let me know if you have any questions.

Regards,

Agapito (Pete) Diaz, P.E. Project Manager,

SCHEDULE A - Base Bid

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

Description of Work: Work consists of replacing 24" Spirolite pipe with 30" PVC pipe, installation of new 18" PVC pipe intertie, construction of precast concrete manholes, sewer manhole rehabilitation with epoxy coating, channel construction, disconnection and re-connection of lateral sewer pipes, abandoning existing sewer pipes and providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				SCHEDULE A – Base Bid		
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	
1	Mobilization and Demobilization	LS	\$	1	\$	
2	Insurance and Bonds	LS	\$	1	\$	
3	Permits	LS	\$	1	\$	
4	12" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete. Bid Item deleted.	LF	\$	22 0	\$	
5	18" PVC pipe, installed by open trench, including PVC pipe, fittings, warning/identification tape, cleaning, connections to existing manholes, adjustment existing channel and bench, testing, and all incidentals, in place complete.	LF	\$	12	\$	
6	30" PVC pipe, installed by open trench, including existing pipe removal within trench excavation, pipe, fittings, warning/identification tape, cleaning, manhole connections, testing, and all incidentals, in place complete.	LF	\$	461	\$	
7	Unclassified Trench Excavation and Backfill, including protection of existing utilities if necessary, excavation, installation of sheet piles, cutting and removal of sheet piles, shoring, groundwater cutoff wall, dewatering and dewatering effluent disposal, muck handling and disposal, backfill, pipe bedding, CLSM, temporary erosion control measures, traffic control work, miscellaneous restoration work, and all incidentals required to complete the work.	СУ	\$	913	\$	
8	Precast Sewer Manhole, SMH-6901A-and 493A, including reinforced concrete base, precast concrete riser and cone, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	ΕA	\$	2 1	\$	

SCHEDULE A - Base Bid

Route 4 Relief Sewer Line Rehabilitation and Replacement (Re-Bid)

Description of Work: Work consists of replacing 24" Spirolite pipe with 30" PVC pipe, installation of new 18" PVC pipe intertie, construction of precast concrete manholes, sewer manhole rehabilitation with epoxy coating, channel construction, disconnection and re-connection of lateral sewer pipes, abandoning existing sewer pipes and providing temporary bypass and traffic control as necessary to complete the rehabilitation and replacement work.

				SCHEDULE A – Base Bid	
Item No.	Description	Unit	Unit Price	Qty	Bid Amount
9	Drop Precast Sewer Manhole, SMH-6908B, including demolition of existing SMH-10312, reinforced concrete base, precast concrete riser and cone, chimney, flexible pipe seals and connectors, grade adjustment ring(s), frame and cover, epoxy-coating, channelized inverts, testing, CLSM, temporary erosion control measures, traffic control work, incidentals, and all necessary labor, materials and equipment, in place complete.	EA	\$	1	\$
10	Rehabilitation of sewer manhole with epoxy coating, including cleaning, surface preparation, cementitious underlayment, concrete channel and bench construction, existing pipe cut & connection, plugging existing pipe, epoxy topcoat, grout injection for leak repair, traffic control work, and all incidentals, in place complete.	EA	\$	14	\$
11	Abandon existing sewer pipes including plugging and filling with CLSM, all incidentals, in place complete.	LF	\$	280 <u>4</u> 00	\$
12	Unplug 21" existing pipe, plug 15" existing SL-9650 and channel & bench reconstruction at SMH-6897	LS	\$	1	\$
13	Sewer Flow Control, 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 asphalt concrete (AC) pavement, muck handling and disposal), electrical and standby power/pumps, monitoring, spill containment/mitigation, traffic control work, temporary erosion control measures, all related restoration work, in place complete.	LS	\$	1	\$
14	Removal of existing pavement including all necessary labor, materials and equipment, in place complete	SY	\$	2,867	\$

diverted through a 12 inch bypass to the main gravity sewer pipeline (at manhole 949A). The inactive portion of the relief line continues all the way to the intersection of Route 4 and Route 1, at manhole 6908. Although this portion of the relief pipeline is inactive, field inspections have found it still has flow through it, most likely from ground water infiltration at pipe joints and at pipe connections to the manholes. Portions of the inactive line have enough flows to cause surcharging in the downstream section. Also, the relief line connects to the main gravity sewer pipeline at manhole 6908 at the intersection of Route 1 and Route 4, allowing wastewater to flow into the relief line all the way to the Agana Main Pump Station. However, since the downstream section of the inactive relief line is not plugged, wastewater is able to backflow into it, at times causing surcharged conditions.

B. Scope of Work:

For commissioning of the relief sewer lines, the work under Schedule A, described below, shall be done:

- 1. Plug 12" sewer line, SL-9650, between SMH 6897 and SMH 949A.
- 2. Remove existing plug on 21" sewer line, SL-6760, at SMH 6897.
- 3. Install 18" sewer line between SMH 6901 and SMH 939 with 18" PVC pipe.
- 4. Replace 24" sewer line, SL-6764, with 30" PVC pipe.
- 5. Construct drop sewer manhole, SMH 6908B.
- 6. Construct two sewer manholes, SMH 6901A and SMH 493A. Construct sewer manhole, SMH 6901A.
- 7. Install 12" sewer line between SMH 6901A and SMH 493A with 12" PVC pipe.
- 8.7. Rehabilitate 16 sewer manholes with epoxy coating and/or reconstructing channel and bench.
- 9.8. Connect the laterals at the SMH 6900, 6901, 6903, 6904, 6905, and 6906 and plug and abandon in place downstream section with controlled low strength material (CLSM) fill after connecting the laterals.
- 10.9. Plug and abandon in place 24" sewer line, SL-9382A, with CLSM fill between SMH 6908 and SMH 10294.
- 41.10. Plug and abandon in place 24" sewer line, SL-9482, with no CSLM fill between SMH 180 and SMH 186.
- 12.11. Resurface 2,867 SY of asphalt concrete pavement along Route 4.

