



GWA RESOLUTION NO. 02-FY2021

**RELATIVE TO APPROVAL OF CONSTRUCTION CONTRACT
CHANGE ORDER NO. 5 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

//

//

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

5 **WHEREAS**, the CCU approved via Resolution 40-FY2018 (Exhibit A) funding
6 authorization for PPBC in the amount of Three Million Four Hundred Seven Thousand Eight
7 Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three
8 Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to
9 bring the authorized funding amount for Schedule A to a maximum of Three Million Seven
10 Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents
11 (\$3,748,632.80); and
12

13 **WHEREAS**, in September 2018 GWA management executed a construction contract to
14 rehabilitate and replace portions of the Route 4 Relief Sewerline with PPBC; and
15

16 **WHEREAS**, the CCU approved via Resolution 16-FY2020 (Exhibit B) funding
17 authorization for PPBC for Change Orders No. 1 and No. 2 for an additional amount of Forty-
18 Seven Thousand Eight Hundred Fifty-Six Dollars and Seventy-Four Cents (\$47,856.74), to
19 increase PPBC's total contract value to the amount of Three Million Seven Hundred Ninety-Six
20 Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54); and
21

22 **WHEREAS**, the CCU approved via Resolution 35-FY2020 (Exhibit C) funding
23 authorization for PPBC for Change Order No.3 for an additional amount of Fifty-Eight Thousand
24 Three Hundred Seventy-Eight Dollars (\$58,378.00), to increase PPBC's total contract value to
25 the amount of Three Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven
26 Dollars and Fifty-Four Cents (\$3,854,867.54); and
27

28 **WHEREAS**, due to additional work required to renovate Manhole 6908 to enable
29 unrestricted flow through this manhole and hence the entire relief sewer line being rehabilitated
30 by this project, GWA negotiated Change Order No. 5 (Exhibit D), for additional compensation in
31 the amount of Thirty Thousand Dollars (\$30,000.00) plus a time extension of 24 days (which
32 includes 10 days due to COVID restrictions) to PPBC's contract; and

1 **WHEREAS**, the negotiated Change Order No.5 extends the estimated time to
2 construction completion to October 13, 2020, and PPBC's total contract value to Three Million
3 Eight Hundred Eighty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents
4 (\$3,884,867.54); and

5
6 **WHEREAS**, the total cost of Change Order No. 5 in the amount of Thirty Thousand
7 Dollars (\$30,000.00) will come from USEPA State Revolving Fund Grant Program and, if
8 necessary, GWA Bond Funds; and

9
10 **WHEREAS**, GWA Management seeks CCU approval of PPBC's proposal for additional
11 compensation in the additional funding amount of Thirty Thousand Dollars (\$30,000.00), to
12 bring the total authorized funding amount to Three Million Eight Hundred Eighty-Four
13 Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents (\$3,884,867.54); and

14
15 **WHEREAS**, funding for this project will be from the USEPA Title 2 Construction
16 Grants Program, and, if necessary, GWA Bond funds with an estimated project budget of Three
17 Million Eight Hundred Eighty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-
18 Four Cents (\$3,884,867.54); and

19
20 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
21 does hereby approve the following:

- 22 1. The recitals set forth above hereby constitute the findings of the CCU.
- 23 2. The CCU hereby authorizes the funding increase for additional construction
24 services in the additional funding amount of Thirty Dollars (\$30,000.00)
25 (Exhibit D).
- 26 3. The CCU hereby further authorizes the total funding authorization for the
27 contract with PPBC to an amount of Three Million Eight Hundred Eighty-
28 Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents
29 (\$3,884,867.54).

30 //

31
32 //

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

3
4 **DULY AND REGULARLY ADOPTED**, this 20th day of October, 2020.

5
6 Certified by:

Attested by:

7
8 



9 **JOSEPH T. DUENAS**

MICHAEL T. LIMTIACO

10 Chairperson

Secretary

11
12
13 **SECRETARY'S CERTIFICATE**

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

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

20
21 AYES:  _____

22 NAYS:  _____

23 ABSENT:  _____

24 ABSTAIN:  _____

25 ///

26
27
28 ///

29
30
31 ///



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

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

6
7 **WHEREAS**, in February of 2016 GWA Management entered into a contract with
8 AECOM to design the sewer rehabilitation and replacement, and in May of 2017 the final design
9 was completed; and

10
11 **WHEREAS**, on August 25, 2017, GWA advertised the Invitation to Bid (IFB-10-ENG-
12 2017) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid proposals
13 from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines
14 and manholes subjected to I&I in the village of Hagatna, but ultimately GWA received no bids at
15 that time; and

16
17 **WHEREAS**, following the initial Invitation to Bid, GWA discussed with contractors the
18 challenges that may have prevented them from bidding, reviewed all the available information,
19 and split the contract into two separate parts, a Schedule A and a Schedule B; and

20
21 **WHEREAS**, on March 23, 2018, GWA advertised another Invitation to Bid (IFB-04-
22 ENG-2018) for the Route 4 Relief Sewer Line Rehabilitation and Replacement soliciting bid
23 proposals from experienced and responsive bidders to repair and/or replace segments of gravity
24 sewer lines and manholes subjected to I&I in the village of Hagatna; and

25
26 **WHEREAS**, this project consists of furnishing all labor, tools, equipment and materials,
27 necessary to install, replace, and repair sewer along Rt.4 and Rt.1, including coordination with
28 GWA Wastewater Operations, GWA Engineering, the Construction Manager, the project Design
29 Engineer, GWA's Program Management Office and the Department of Public Works; and

30
31 **WHEREAS**, IFB packages were obtained by multiple interested parties, from which
32 GWA received bid proposals from three (3) parties (SEE EXHIBIT A – Abstract of Bids) before

1 the bid proposal deadline, with one (1) party submitting a proposal for only Schedule A, one (1)
2 party submitting a proposal for only Schedule B, and one (1) party submitting a proposal for both
3 Schedule A and B; and
4

5 **WHEREAS**, the project Design Engineer, in conjunction with GWA, analyzed the bid
6 proposals received (SEE EXHIBIT B – Evaluation) on June 8, 2018 and determined that the bid
7 proposal submitted by ProPacific Builder Corporation (PPBC) (SEE EXHIBIT C – ProPacific
8 Bid) for Schedule A, and the bid proposal submitted by Insituform Technologies, LLC
9 (Insituform) (SEE EXHIBIT D – Insituform Bid) for Schedule B, were the lowest responsive and
10 responsible bids and met all the bid requirements set forth by GWA; and
11

12 **WHEREAS**, GWA Management finds both PPBC's bid proposal for Schedule A, and
13 Insituform's bid proposal for Schedule B acceptable; and
14

15 **WHEREAS**, for Schedule A, PPBC's bid proposal in the amount of Three Million Four
16 Hundred Seven Thousand Eight Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent
17 (10%) contingency of Three Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and
18 Eighty Cents (\$340,784.80) to bring the authorized funding amount for Schedule A to a total of
19 Three Million Seven Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and
20 Eighty Cents (\$3,748,632.80); and
21

22 **WHEREAS**, for Schedule B, Insituform's bid proposal in the amount of Three Million
23 Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars (\$3,998,688.00), plus a
24 ten percent (10%) contingency of Three Hundred Ninety-Nine Thousand Eight Hundred Sixty-
25 Eight Dollars and Eighty Cents (\$399,868.80) to bring the authorized funding amount for
26 Schedule B to a total of Four Million Three Hundred Ninety-Eight Thousand Five Hundred
27 Fifty-Six Dollars and Eighty Cents (\$4,398,556.80); and
28

29 **WHEREAS**, GWA Management seeks CCU approval of PPBC's bid proposal plus the
30 10% contingency for Schedule A of Three Million Seven Hundred Forty-Eight Thousand Six
31 Hundred Thirty-Two Dollars and Eighty Cents (\$3,748,632.80), and Insituform's bid proposal
32 plus contingency for Schedule B of Four Million Three Hundred Ninety-Eight Thousand Five

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

5 **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,
6 if necessary, GWA Bond funds and System Development Charge funds applicable to the project
7 intent; and
8

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

- 11 1. The recitals set forth above hereby constitute the findings of the CCU.
- 12 2. The CCU finds that the terms and conditions set by GWA relative to
13 commencement of work activities are fair and reasonable and serve as a measure
14 of Quality Assurance/Quality Control (QA/QC).
- 15 3. The CCU hereby authorizes the management of GWA to accept the bid proposals
16 from "ProPacific Builder Corporation" and "Insituform Technologies, LLC."
17 (EXHIBITS C and D)
- 18 4. The CCU hereby further authorizes the management of GWA to enter into a
19 contract with "ProPacific Builder Corporation" in the amount of Three Million
20 Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars
21 (\$3,407,848.00).
- 22 5. The CCU hereby further authorizes the management of GWA to enter into a
23 contract with "Insituform Technologies, LLC" in the amount of Three Million
24 Nine Hundred Ninety-Eight Thousand Six Hundred Eighty-Eight Dollars
25 (\$3,998,688.00).
- 26 6. The CCU hereby further approves the funding total for Schedule A of Three
27 Million Four Hundred Seven Thousand Eight Hundred Forty-Eight Dollars
28 (\$3,407,848.00), plus a ten percent (10%) contingency of Three Hundred Forty
29 Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80),
30 and for Schedule B of Three Million Nine Hundred Ninety-Eight Thousand Six
31 Hundred Eighty-Eight Dollars (\$3,998,688.00), plus a ten percent (10%)
32 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:


J. GEORGE BAMBA
Secretary

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:	<u>5</u>
NAYS:	<u>0</u>
ABSTENTIONS:	<u>0</u>
ABSENT:	<u>0</u>





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

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

5 **WHEREAS**, the CCU approved via Resolution 40-FY2018 (Exhibit A) funding
6 authorization for PPBC in the amount of Three Million Four Hundred Seven Thousand Eight
7 Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three
8 Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to
9 bring the authorized funding amount for Schedule A to a maximum of Three Million Seven
10 Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents
11 (\$3,748,632.80); and
12

13 **WHEREAS**, in September 2018 GWA management executed a construction contract
14 (Exhibit B) to rehabilitate and replace portions of the Route 4 Relief Sewerline with ProPacific
15 Builder Corporation; and
16

17 **WHEREAS**, while the Notice to Proceed for PPBC was issued in September 2018, the
18 start of construction was delayed due to complications with obtaining approvals during the
19 permitting process; and
20

21 **WHEREAS**, due to permitting delays, unanticipated time restrictions enforced on
22 construction work hours by DPW, and coordination challenges, GWA negotiated Change Order
23 No. 1 (Exhibit C), for a time extension of 193 days and additional funding to PPBC's contract in
24 the amount of Two Hundred Seventy-Six Thousand Seven Hundred Sixty Dollars and Nineteen
25 Cents (\$276,760.19);
26

27 **WHEREAS**, the negotiated Change Order No. 1 (Exhibit C) extends the estimated time
28 to construction completion to July 2020, and PPBC's total contract value to Three Million Six
29 Hundred Eighty-Four Thousand Six Hundred Eight Dollars and Nineteen Cents (\$3,684,608.19);
30 and
31
32

1 **WHEREAS**, during the ongoing construction, the second contractor, Insituform
2 Technologies, LLC (Insituform), responsible for the Cured-In-Place-Pipe (CIPP) lining work that
3 is part of the overall Route 4 sewerline improvements, discovered heavy infiltration in many of
4 the manholes, which would prevent Insituform from completing the pipe lining work; and
5

6 **WHEREAS**, in order to prevent costly delays in lining operations due to the infiltration
7 at the manholes, PPBC needed to accelerate manhole grouting work to resolve the infiltration;
8 and
9

10 **WHEREAS**, GWA has negotiated with PPBC for a fee proposal for Change Order No. 2
11 to accelerate the work to resolve manhole infiltration and the removal of the concrete plug at
12 SMH-6897 to prevent costly delays for lining operations; and
13

14 **WHEREAS**, the total cost of Change Order No. 2 comes out to the amount of One
15 Hundred Eleven Thousand Eight Hundred Eighty-One Dollars and Thirty-Five Cents
16 (\$111,881.35) (Exhibit D), of which Sixty-Four Thousand Twenty-Four Dollars and Sixty-One
17 Cents (\$64,024.61) will come from the remaining contingency funds; and
18

19 **WHEREAS**, GWA Management seeks CCU approval of PPBC's proposal for
20 accelerated construction services in the additional funding amount of Forty-Seven Thousand
21 Eight Hundred Fifty-Six Dollars and Seventy-Four Cents (\$47,856.74), to bring the total
22 authorized funding amount to Three Million Seven Hundred Ninety-Six Thousand Four Hundred
23 Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54); and
24

25 **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,
26 if necessary, GWA Bond funds with an estimated project budget of Three Million Seven
27 Hundred Ninety-Six Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents
28 (\$3,796,489.54); and
29

30 //

31 //

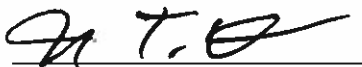
1 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
2 does hereby approve the following:

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

11
12 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption
13 of this Resolution.

14
15 **DULY AND REGULARLY ADOPTED**, this 21st day of February, 2020.

16
17 Certified by:

18 

19 **JOSEPH T. DUENAS**
20 Chairperson

21 Attested by:

22 

23 **MICHAEL T. LIMTIACO**
24 Secretary

25 //

26 //

27 //

28 //

29 //

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





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

1 **WHEREAS**, the CCU approved via Resolution 40-FY2018 (Exhibit A) funding
2 authorization for PPBC in the amount of Three Million Four Hundred Seven Thousand Eight
3 Hundred Forty-Eight Dollars (\$3,407,848.00), plus a ten percent (10%) contingency of Three
4 Hundred Forty Thousand Seven Hundred Eighty-Four Dollars and Eighty Cents (\$340,784.80) to
5 bring the authorized funding amount for Schedule A to a maximum of Three Million Seven
6 Hundred Forty-Eight Thousand Six Hundred Thirty-Two Dollars and Eighty Cents
7 (\$3,748,632.80); and

8
9 **WHEREAS**, in September 2018 GWA management executed a construction contract to
10 rehabilitate and replace portions of the Route 4 Relief Sewerline with PPBC; and

11
12 **WHEREAS**, the CCU approved via Resolution 16-FY2020 (Exhibit B) funding
13 authorization for PPBC for Change Orders No. 1 and No. 2 for an additional amount of Forty-
14 Seven Thousand Eight Hundred Fifty-Six Dollars and Seventy-Four Cents (\$47,856.74), to
15 increase PPBC's total contract value to the amount of Three Million Seven Hundred Ninety-Six
16 Thousand Four Hundred Eighty-Nine Dollars and Fifty-Four Cents (\$3,796,489.54);

17
18 **WHEREAS**, due to additional work required to install the new sewer main under this
19 contract while contending with unknown underground utilities and utility encasements which
20 slowed PPBC's production rate and required hand digging due to space limitations, GWA
21 negotiated Change Order No. 3 (Exhibit C), for additional compensation in the amount of Fifty-
22 Eight Thousand Three Hundred Seventy-Eight Dollars (\$58,378.00) plus a time extension of
23 fifty-two (52) days to PPBC's contract; and

24
25 **WHEREAS**, the negotiated Change Order No. 3 extends the estimated time to
26 construction completion to September 2020, and PPBC's total contract value to Three Million
27 Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents
28 (\$3,854,867.54); and

29
30 **WHEREAS**, the total cost of Change Order No. 3 in the amount of Fifty-Eight Thousand
31 Three Hundred Seventy-Eight Dollars (\$58,378.00) will come from USEPA Title 2 Construction
32 Grants Program; and

1 **WHEREAS**, GWA Management seeks CCU approval of PPBC's proposal for additional
2 compensation in the additional funding amount of Fifty-Eight Thousand Three Hundred
3 Seventy-Eight Dollars (\$58,378.00), to bring the total authorized funding amount to Three
4 Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four
5 Cents (\$3,854,867.54); and
6

7 **WHEREAS**, funding for this project will be from the USEPA Title 2 Construction
8 Grants Program, and, if necessary, GWA Bond funds with an estimated project budget of Three
9 Million Eight Hundred Fifty-Four Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four
10 Cents (\$3,854,867.54); and
11

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

- 14 1. The recitals set forth above hereby constitute the findings of the CCU.
- 15 2. The CCU hereby approves the funding increase for accelerated construction
16 services in the additional funding amount of Fifty-Eight Thousand Three
17 Hundred Seventy-Eight Dollars and Zero Cents (\$58,378.00) (Exhibit C).
- 18 3. The CCU hereby further approves the total funding authorization for the
19 contract with PPBC to an amount of Three Million Eight Hundred Fifty-Four
20 Thousand Eight Hundred Sixty-Seven Dollars and Fifty-Four Cents
21 (\$3,854,867.54).
22

23 **RESOLVED**, that the Chairman certified, and the Board Secretary attests to the adoption
24 of this Resolution.
25

26 **DULY AND REGULARLY ADOPTED**, this 3rd day of September 2020.
27

28 Certified by:

Attested by:

29
30 

31 **JOSEPH T. DUENAS**
32 Chairperson
33



31 **MICHAEL T. LIMTIACO**
32 Secretary
33

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:	<u>5</u>
NAYS:	<u>Ø</u>
ABSENT:	<u>Ø</u>
ABSTAIN:	<u>Ø</u>

///

///

///

///

///

///

///





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. 5

Project No. & Title:	Route 4 Relief Sewerline Rehabilitation and Replacement		
	GWA Project No. S15-006-EPA		
Contractor's Name:	ProPacific Builders Corporation	Original Contract Date:	September 13, 2018

TO: ProPacific Builders Corporation

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

Contractor Representative (Print Name & Title)

PREPARED BY:

John Riegel P.E.
Managing Engineer

Date

Signature Date

G.L. NO. S202.105321.420000

Contract No.: 795 OS

Vendor No.: 26731

Amount: \$30,000.00

Barbara Cruz

Acting Chief Engineer

Date

Nature of Changes:

This Change Order adds bid items for removing the channeling and benching concrete in MH6908. This work is in addition to what is depicted in the plans and is considered additional work. The contractor's price proposal has been negotiated and is considered reasonable for the scope of work. The CM concurs with the proposal. The additional cost is listed in the attached proposal from the contractor. Injection grouting (item #2) will only be done IF leaks are evident after removing the mass of concrete. If there are no leaks needing injection grouting, this work will not be performed or paid for and the contractor shall provide the materials (the first 3 items of #2) to GWA.

This Change Order adds work items listed in the attached proposal from PPBC.

This Change Order adds 14 days for the additional work in MH6908 PLUS adds 10 days due to the COVID Executive Order prohibiting construction in August.

The total additional cost is \$30,000 and the additional contract time is 24 days.

Enclosures:

- 1) ProPacific's Change Order Proposal for MH6908 and COVID lockdown
- 2) EMPSCO recommendation for Change Order No.5 with evaluation

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

Contract price prior to this change order	<u>\$3,854,867.54</u>
Net cost change from this Change Order (subject to approved terms & conditions)	<u>\$30,000.00</u>
Current contract price including this Change Order	<u>\$3,884,867.54</u>
Contract time prior to this Change Order <u>725</u> calendar days	
Net increase resulting this Change Order <u>24</u> calendar days	
Current contract time including this Change Order <u>749</u> calendar days	

CERTIFIED FUNDS AVAILABLE:

Taling M. Taitano

Chief Financial Officer, GWA

Date:

APPROVED:

Miguel C. Bordallo, PE
General Manager

Date:

(Name & Title)
Finance/Accounting

Date:

GUAM WATERWORKS AUTHORITY
 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. 5

Project No. & Title: Route 4 Relief Sewerline Rehabilitation and Replacement
 GWA Project No. S15-006-EPA
 Contractor's Name: ProPacific Builders Corporation Original Contract Date: September 13, 2018

TO: ProPacific Builders Corporation

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

Jean Yeon Yu, President
 Contractor Representative (Print Name & Title)

[Signature] 9/11/2020
 Signature Date

PREPARED BY:

[Signature] 9/11/2020
 John Riegel P.E. Date
 Managing Engineer

G.L. NO. S202.105321.420000
 Contract No.: 795 OS
 Vendor No.: 28731
 Amount: \$30,000.00

Barbara Cruz
 Acting Chief Engineer Date

Nature of Changes:

This Change Order adds bid items for removing the channelling and benching concrete in MH6908. This work is in addition to what is depicted in the plans and is considered additional work. The contractor's price proposal has been negotiated and is considered reasonable for the scope of work. The CM concurs with the proposal. The additional cost is listed in the attached proposal from the contractor. Injection grouting (Item #2) will only be done IF leaks are evident after removing the mass of concrete. If there are no leaks needing injection grouting, this work will not be performed or paid for and the contractor shall provide the materials (the first 3 items of #2) to GWA. This Change Order adds work items listed in the attached proposal from PPBC. This Change Order adds 14 days for the additional work in MH6908 PLUS adds 10 days due to the COVID Executive Order prohibiting construction in August.

The total additional cost is \$30,000 and the additional contract time is 24 days.

Enclosures:

- 1) ProPacific's Change Order Proposal for MH6908 and COVID lockdown
- 2) EMPSCO recommendation for Change Order No.5 with evaluation

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

Contract price prior to this change order	<u>\$3,854,867.54</u>
Net cost change from this Change Order (subject to approved terms & conditions)	<u>\$30,000.00</u>
Current contract price including this Change Order	<u>\$3,884,867.54</u>
Contract time prior to this Change Order <u>725</u> calendar days	
Net increase resulting this Change Order <u>24</u> calendar days	
Current contract time including this Change Order <u>749</u> calendar days	

CERTIFIED FUNDS AVAILABLE:

Talling M. Taitano
 Chief Financial Officer, GWA

Date:

APPROVED:

Miguel C. Bordallo, PE
 General Manager

Date:

(Name & Title)
 Finance/Accounting

Date:



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 | igyc@guam.net

Date; Sept. 9, 2020

To: John Riegel, PE
Senior 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: **CHANGE ORDER PROPOSAL TO CORRECT SMH-6908 INVERT and LOST TIME DUE COVID 19 LOCKDOWN.**

Dear Mr. Riegel,

A. We are requesting a total of 14 calendar days to include procurement & delivery of off-island materials and a cost of \$ 30,000.00 to be added to the contract for the correction of the existing invert of SMH-6908 as directed following the review and recommendation of AECOM and EMPSCO. Works are as follows:

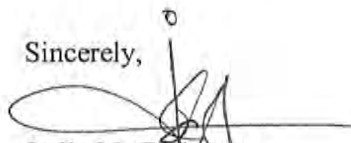
- Remove the existing channeling concrete to open the flow channel across the manhole from the 30" inlet to the 30" outlet. Remove the existing channeling that is interfering with flow from the 30" pipe.
- Procure and deliver thru airfreight of the off-island materials needed for this task to save time since the project is in it final weeks of performance time.

B. We also request time for the lost 10 calendar days caused by total lockdown ordered by the governor which starts in the noon of August 21 and lasted to 12PM of August 29. Although restrictions was lifted on essential businesses on August 29, the August 30 falls on Sunday. The earliest we can resume work is Monday, August 31.


In summary, we are requesting a total of **24 calendar days** and an amount of **\$ 30,000.00** as a change order. Attached herewith is the detailed calculation. We trust that the above proposal meets your favorable approval regarding the above request. Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

Sincerely,


Jerlie M. Gutierrez
Project Manager
ProPacific Builders Corp.

Noted:


Jean Yeon Yu
President
ProPacific Builder Corporation

Route 4 Relief Sewer Line Rehabilitation And Replacement

GWA Project No#. S15-006-EPA

CHANGE ORDER PROPOSAL TO CORRECT EXISTING SMH-6908 INVERT

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL COST
1.0	Cleaning & disinfecting of SMH bottom portion.	LS	1.00	800.00	800.00
2.0	Grout injection of SMH bottom portion.				
	Fibrotite Rope (1 small box)	BOX	1.00	230.00	230.00
	Injection Ports	EA	15.00	7.01	105.15
	Avanti Injection Grouts (5 gallon pail)	PAIL	3.00	2,265.00	6,795.00
	Air freight cost of Grout injection materials.	EA	3.00	200.00	600.00
	High-grade Acetone for cleaning of injection pump after each use.	GAL	5.00	96.00	480.00
	Service vehicles, grout injection pump, & other tools.	LS	1.00	1,500.00	1,500.00
	Labor - 3 guys (w/ 1 Certified Installer & 1 Confined Spaced Competent Person)	LS	1.00	539.00	539.00
3.0	Demolition of hump				
	Labor - 3 guys (w/ 1 Confined Spaced Competent Person)	LS	1.00	3,000.00	3,000.00
	Service vehicles, chipping guns, power generator, & other tools.	LS	1.00	1,500.00	1,500.00
	Disposal of contaminated debris	LS	1.00	700.00	700.00
		SUB-TOTAL			16,249.15
		Overhead & Profit (15%)			2,437.37
		SUB-TOTAL			18,686.50
		GRT(5.21%)			973.50
		TOTAL			19,660.00
4.0	Traffic Control.	EA	1.00	4,000.00	4,000.00
5.0	By-pass and temporary plugs to isolate SMH-6908.	EA	1.00	4,000.00	4,000.00
6.0	Safety				
	Confined space equipments, retrieval, & air monitoring equipment.	LS	1.00	1,000.00	1,000.00
	Supply/exhaust fans w/ flexible hose, lightings, and power generator.	LS	1.00	500.00	500.00
	Miscellaneous disposable safety materials				
	Tyvek suits				
	Rubber gloves & hand gloves.	LS	1.00	40.00	40.00
	Face-mask with multi-gas cartridge & respirators.	SET	4.00	200.00	800.00
TOTAL COST					30,000.00
Please add 14 calendar days which include procurement & airfreight of materials to complete this task.					



September 11, 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. 5**

Reference: ProPacific Builder Corp. – Change Order Proposal no. 06 Change order Proposal to correct SMH-6908 invert and Lost time due to COVID-19 Lockdown.

Gentlemen,

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

We are endorsing our recommendation for the approval of Change Order no. 5 in the amount of **Thirty Thousand and 00/100 (\$30,000.00)** for the additional cost the Contractor incurs on the project due to correction of the existing invert of SMH-6908 as directed by Brown&Caldwell following the review and recommendation of AECOM (DOR):

The following scope are the following:

- a. Remove the existing channeling concrete to open the flow channel across the manhole from the 30 inches outlet.
- b. Remove the existing channeling that is interfering with the flow from the 30" pipe.
- c. Procure and deliver thru air freight of the off-island materials needed for this task to save time since the project is in its final week of the performance date.

Also, Due to Executive order 2020-28 issued by the Governor, Additional PCOR 1 Measure Implemented effective noon of August 21, 2020, that all businesses other than those designated as "Critical Businesses" under applicable DPHSS guidelines, shall be temporarily closed for one week. The restriction was lifted and allowed Construction to resume by noon on August 29, 2020. The earliest date the Contractor can resume is Monday, August 31, 2020. There are 10 calendar days lost due to this Executive order.

EMPSCO has completed price negotiation PCO no. 6 with ProPacific on September 9, 2020. The original change order cost and time proposal were \$ 38,010.32 with fourteen (14) calendar days. EMPSCO negotiated with ProPacific to lower the original cost based on our actual work and cost



evaluation. Based on our determination, we find the negotiated total amount of **\$30,000.00** with an additional **twenty-four (24) calendar days** including the loss of days due to Executive order 2020-28 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. PPBC letter and negotiated breakdown of Cost
- c. EMPSCO negotiation for PCO no. 6
- d. Original ProPacific Builder Corp. – PCO no. 6

CONTRACT CHANGE NOTICE

Proposed Change (P/C) No:

06

Date:

9/11/2020

1. Contract/Title:

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

2. Description

ProPacific Builder Corp. Proposed Change order no. 6 – To correct SMH-6908 invert and Lost Time due to COVID-19 Lockdown

Est. Amt**:

\$

30,000

Est. Time Ext.:

24

MOD Code:

3. Written Customer Request Date:

09/09/2020

4. Reason/justification:

The scope of work for the correction of the existing invert of SMH-6908 as directed by Brown&Caldwell following the review and recommendation of AECOM (DOR).

- Remove the existing channeling concrete to open the flow channel across the manhole from the 30" outlet.
- Remove the existing channeling that is interfering with the flow from the 30" pipe.
- Procure and deliver thru air freight of the off-island materials needed for this task to save time since the project is in its final week of the performance date

Executive order 2020-28 reference to JIC Release no. 278.

Due to Executive order 2020-28 issued by the Governor, Additional PCOR 1 Measure Implemented effective noon of August 21, 2020, that all businesses other than those designated as "Critical Businesses" under applicable DPHSS guidelines, shall be temporarily closed for one week. Restriction was lifted and allowed Construction to resume by noon August 29, 2020. The earliest date the Contractor can resume is Monday, August 31, 2020. There is 10 calendar days lost due to this Executive order.

5. Is Mod within Scope?:

Yes

☒

No

☐

If "No" refer for further processing



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 | igyc@guam.net

Date; Sept. 9, 2020

To: John Riegel, PE
Senior 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: **CHANGE ORDER PROPOSAL TO CORRECT SMH-6908 INVERT and LOST TIME DUE COVID 19 LOCKDOWN.**

Dear Mr. Riegel,

A. We are requesting a total of 14 calendar days to include procurement & delivery of off-island materials and a cost of \$ 30,000.00 to be added to the contract for the correction of the existing invert of SMH-6908 as directed following the review and recommendation of AECOM and EMPSCO. Works are as follows:

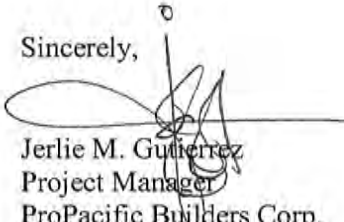
- Remove the existing channeling concrete to open the flow channel across the manhole from the 30" inlet to the 30" outlet. Remove the existing channeling that is interfering with flow from the 30" pipe.
- Procure and deliver thru airfreight of the off-island materials needed for this task to save time since the project is in it final weeks of performance time.

B. We also request time for the lost 10 calendar days caused by total lockdown ordered by the governor which starts in the noon of August 21 and lasted to 12PM of August 29. Although restrictions was lifted on essential businesses on August 29, the August 30 falls on Sunday. The earliest we can resume work is Monday, August 31.


In summary, we are requesting a total of **24 calendar days** and an amount of **\$ 30,000.00** as a change order. Attached herewith is the detailed calculation. We trust that the above proposal meets your favorable approval regarding the above request. Please do not hesitate to get in touch with us if you wish to discuss this further.

Thank you very much.

Sincerely,


Jerlie M. Gutierrez
Project Manager
ProPacific Builders Corp.

Noted:


Jean Yeon Yu
President
ProPacific Builder Corporation

Route 4 Relief Sewer Line Rehabilitation And Replacement

GWA Project No#. S15-006-EPA

CHANGE ORDER PROPOSAL TO CORRECT EXISTING SMH-6908 INVERT

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL COST
1.0	Cleaning & disinfecting of SMH bottom portion.	LS	1.00	800.00	800.00
2.0	Grout injection of SMH bottom portion.				
	Fibrotite Rope (1 small box)	BOX	1.00	230.00	230.00
	Injection Ports	EA	15.00	7.01	105.15
	Avanti Injection Grouts (5 gallon pail)	PAIL	3.00	2,265.00	6,795.00
	Air freight cost of Grout injection materials.	EA	3.00	200.00	600.00
	High-grade Acetone for cleaning of injection pump after each use.	GAL	5.00	96.00	480.00
	Service vehicles, grout injection pump, & other tools.	LS	1.00	1,500.00	1,500.00
	Labor - 3 guys (w/ 1 Certified Installer & 1 Confined Spaced Competent Person)	LS	1.00	539.00	539.00
3.0	Demolition of hump				
	Labor - 3 guys (w/ 1 Confined Spaced Competent Person)	LS	1.00	3,000.00	3,000.00
	Service vehicles, chipping guns, power generator, & other tools.	LS	1.00	1,500.00	1,500.00
	Disposal of contaminated debris	LS	1.00	700.00	700.00
		SUB-TOTAL			16,249.15
		Overhead & Profit (15%)			2,437.37
		SUB-TOTAL			18,686.50
		GRT(5.21%)			973.50
		TOTAL			19,660.00
4.0	Traffic Control.	EA	1.00	4,000.00	4,000.00
5.0	By-pass and temporary plugs to isolate SMH-6908.	EA	1.00	4,000.00	4,000.00
6.0	Safety				
	Confined space equipments, retrieval, & air monitoring equipment.	LS	1.00	1,000.00	1,000.00
	Supply/exhaust fans w/ flexible hose, lightings, and power generator.	LS	1.00	500.00	500.00
	Miscellaneous disposable safety materials				
	Tyvek suits				
	Rubber gloves & hand gloves.	LS	1.00	40.00	40.00
	Face-mask with multi-gas cartridge & respirators.	SET	4.00	200.00	800.00
TOTAL COST					30,000.00
Please add 14 calendar days which include procurement & airfreight of materials to complete this task.					

**EMPSCO's negotiation
for
PCO no. 6**

Attachment "A"

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

NOTE: See page 2, for justification of review comments per item.

CHANGE ORDER PROPOSAL TO CORRECT EXISTING SMH-6908 INVERT

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL COST
1.0	Cleaning & disinfecting of SMH bottom portion.	LS	1.00	800.00	800.00 \$303.00
2.0	Grout injection of SMH bottom portion.				
	Fibrotite Rope (1 small box)	BOX	1.00	230.00	230.00
	Injection Ports	EA	15.00	7.05	105.75
	Avanti Injection Grouts (5 gallon pail)	PAIL	3.00	2,265.00	6,795.00
	Air freight cost of Grout injection materials.	EA	3.00	200.00	600.00
	High-grade Acetone for cleaning of injection pump after each use.	GAL	5.00	96.00	480.00
	Service vehicles, grout injection pump, & other tools.	LS	1.00	1,500.00	1,500.00
	Labor - 3 guys (w/ 1 Certified Installer & 1 Confined Spaced Competent Person)	LS	1.00	3,600.00	3,600.00 \$512.00
3.0	Demolition of hump				
	Labor - 3 guys (w/ 1 Confined Spaced Competent Person)	LS	1.00	3,600.00	3,600.00 \$2,800.00
	Service vehicles, chipping guns, power generator, & other tools.	LS	1.00	1,500.00	1,500.00
	Disposal of contaminated debris	LS	1.00	700.00	700.00
				SUB-TOTAL	10,010.00 \$15,525.75
				Overhead & Profit (15%)	2,000.00 \$2,328.86
				SUB-TOTAL	22,007.00 \$17,854.61
				GRT(5.21%)	1,102.00 \$ 930.23
				TOTAL	24,000.00 \$18,784.84
4.0	Traffic Control.	EA	1.00	4,000.00	4,000.00
5.0	By-pass and temporary plugs to isolate SMH-6908.	EA	1.00	7,200.00	7,200.00
6.0	Safety				
	Confined space equipments, retrieval, & air monitoring equipment.	LS	1.00	1,200.00	1,200.00
	Supply/exhaust fans w/ flexible hose, lightings, and power generator.	LS	1.00	600.00	600.00
	Miscellaneous disposable safety materials				
	Tyvek suits	LS	1.00	80.00	80.00
	Rubber gloves & hand gloves.	LS	1.00	40.00	40.00
	Face-mask with multi-gas cartridge & respirators.	SET	4.00	200.00	800.00
TOTAL COST					30,010.00 \$32,704.84
Please add 14 calendar days which include procurement & airfreight of materials to complete this task.					



09 September 2020

**Project: Route 4 Relief Sewer Line Rehabilitation and Replacement
GWA Project No. S15-006-EPA**

Reference: ProPacific Change order Proposal to Correct existing SMH-6908 invert

Review Comments:

1. Item no. 1: Cleaning and Disinfecting of SMH bottom portion

Comment: Cleaning shall be 2 hrs maximum to clean and disinfect the manhole at the bottom portion. The following are the estimate labor and equipment cost:

Equipment:

- a. Water blaster, 3,000 psi = \$110.00
- b. Submersible pump, 2" diameter, ½ hp = \$53.00

Labor:

- a. Superintendent = \$23.00 x 2 hrs = \$46.00
- b. Laborer = \$15.00 x 2 hrs = \$30.00
- c. Laborer, manhole attendees at top = \$ 18.00 x 2 hrs = \$36.00
- d. Helper = \$14.00 x 2 hrs = \$28.00

Total cost = \$303.00

2. Item no. 2: Grout injection of the SMH portion.

Comment: As a preventive-measures, The Contractor shall provide grout injections at areas of 30" pipe and 24" pipe, upstream and downstream before demolition of manhole floor humps. All material unit cost was based on the schedule of values and previously approved change order. The Labor unit cost is High. The following are the estimate based on 1day max. work:

Labor:

- a. Superintendent = \$23.00 x 8 hrs = \$184.00
- b. Certified grout injector/installer = \$23.00 x 8 hrs = \$184.00
- c. Laborer, certified confined competent person = \$18.00 x 8 hrs = \$144.00

Total cost = \$ \$512.00

3. Item no. 3: Demolition of Hump

Comment: The Labor unit cost is High. The following are the estimate based on 5days work:

Labor:

- a. Superintendent = \$23.00 x 40 hrs = \$920.00
- b. Laborer, certified confined competent person = \$18.00 x 40 hrs = \$720.00
- c. Laborer = \$15.00 x 40 hrs = \$600.00
- d. Helper = \$14.00 x 40 hrs = \$560.00

Total cost = \$ 2,800.00



4. Item no. 4: Traffic Control

Comment: Unit cost of line item was based on the schedule of values and previously approved change orders.

5. Item no. 5: By-Pass and temporary plug to isolate SMH-6908

Comment: Unit cost of line item was based on the schedule of values and previously approved change orders.

6. Item no. 6: Safety

Comment: Unit cost of line item was based on the schedule of values and previously approved change orders.

Review Comments by:

Tyrone de Guzman, P.E.
EMPSCO Engineering Consultants
Construction Management

cc: Brown and Caldwell

Tyrone De Guzman

From: Jerlie M. Gutierrez <rgyc@guam.net>
Sent: Wednesday, September 9, 2020 4:10 PM
To: Tyrone De Guzman; Noel Viaje
Cc: 'Vicente Escabillas'; 'Jean Yu'; 'Florian Escabillas'
Subject: RE: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes
Attachments: CO Proposal to Correct SMH-6908 Invert & Time Extension.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Tyrone,

Please see revised cost proposal w/ cover letter fya!

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: Wednesday, September 09, 2020 1:04 PM
To: Jerlie M. Gutierrez; Noel Viaje
Subject: RE: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes

Jerlie,

Thank you for your consideration. Deduct the amount on the Traffic control item and re-submit the PCO to me.
As per 3 items on item 2.0, we can proceed with this PCO. If the work did not perform, then we can issue a deductive change order.

Regards,
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: Jerlie M. Gutierrez <rgyc@guam.net>
Sent: Wednesday, September 9, 2020 9:46 AM
To: Tyrone De Guzman <tyrone.deguzman@empSCO.net>; Noel Viaje <noel.viaje@empSCO.net>
Subject: RE: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes

Tyrone,

I want to finish the project a.s.a.p. If it can resolved this issue and have the CO approval faster, then I am OK with it. We'll round it to \$30K then.

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: Tuesday, September 08, 2020 9:40 PM
To: Jerlie M. Gutierrez; Noel Viaje
Subject: Re: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes

Jerlie,
Can you still shred down the cost and fix it to \$30k? I'm just thinking of options on how we can move on on this PCO. I can talked to John that you are willing to lower the cost now that we have no idea when DPW shall be open. Let me know your thought.

Regards,

Tyrone de Guzman PE
EMPSCO Engineering Consultants

Get [Outlook](#) for iOS

From: Tyrone De Guzman <tyrone.deguzman@empSCO.net>
Sent: Tuesday, September 8, 2020 10:56 AM
To: Jerlie M. Gutierrez; Noel Viaje
Subject: Re: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes

Jerlie,
Did you talked to DPW highway based on John's recommendation to update the traffic control?
I need this information before sending this to John for approval.

Regards,

Tyrone de Guzman PE
EMPSCO Engineering Consultants

Get [Outlook](#) for iOS

From: Jerlie M. Gutierrez <rgyc@guam.net>
Sent: Tuesday, September 8, 2020 10:45:17 AM
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>; 'Jean Yu' <jgyc@guam.net>; 'Florian Escabillas' <fgyc.ppbc@gmail.com>
Subject: RE: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes

Tyrone,

Please see attached cost proposal and my comments in Red on the preceding email. This is the lowest I can give. I have lowered a lot already so we can just move on and finish the job. I hope this is acceptable to John already. The 3 last items on item 2.0 (amounting to \$ 2,531.17) are optional per our Zoom meeting last Friday but I do not know how they work on the change order contract.

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, September 07, 2020 1:19 PM
To: Jerlie M. Gutierrez; Noel Viaje
Cc: Nilo Villaluz; Jun Capulong; Butch Arce; Ferdie Cabuhat
Subject: RE: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes

Jerlie,

For item no. 3 and item no. 4 below, Here is our cost evaluation in terms of labor cost based on our Meeting and discussion last September 4, 2020.

1. Cleaning & Disinfecting of SMH bottom portion
 - Considering 5 WDays with 30 min per day for cleaning and disinfecting; **Total = \$550.00 + FICA + Water + 30 minutes preparation and hauling to and from the jobsite.**
 - o Water blaster, 3,000 psi = \$163.00
 - o Submersible pump, 2" dia, ½ HP = \$212.00
 - o Labor
 - a. Superintendent, \$23 x 2.5 = \$57.50
 - b. Laborer, \$15.00 x 2.5 = \$37.50
 - c. Laborer, \$18.00 x 2.5 = \$45.00
 - d. Helper, \$14.00 x 2.5 = \$35.00

We pay our workers from preparations like fetching water and getting the tools & equipments from lay-down storage and hauling it to jobsite, this is a minimum of 30 minutes already, then we secure these equipments again in the afternoon.


We also pay for the water we use which we fetch in our office (commercial rate). The \$ 800.00 is very very low already.

2. Grout injection

- Labor cost; considering 8 hrs of work. **Total = \$512.00** Direct paid rate plus 7.65% company share for their FICA (SS=6.2% % Medicare 1.45%) = **\$ 551.17**
 - o Superintendent, \$23.00 x 8 hrs = \$184.00
 - o Grout injector/Certified installer, \$23.00 x 8 hrs = \$184.00
 - o Laborer, confined competent person, \$18.00 x 8 hrs = \$144. 00
- 3. Demolition of humps
 - Labor cost; considering 40 hrs of work. Total = **\$ 2,800.00** Direct paid rate plus 7.65% company share for their FICA (SS=6.2% % Medicare 1.45%) = **\$ 3,014.20**
 - o Superintendent, \$23.00 x 40 hrs = \$920.00
 - o Laborer, \$18.00 x 40 hrs = \$720.00
 - o Laborer, \$15.00 x 40 hrs = \$600.00
 - o Helper, \$14.00 x 40 hrs = \$560.00

If you agreed on our cost, please incorporate it into your updated PCO.

Regards,
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: Tyrone De Guzman
Sent: Friday, September 4, 2020 3:54 PM
To: Jerlie M. Gutierrez <rgyc@guam.net>; John Riegel <JRiegel@BrwnCald.com>; Noel Viaje <noel.viaje@empSCO.net>
Cc: Nilo Villaluz <nilo.villaluz@empSCO.net>; Jun Capulong <jun.capulong@empSCO.net>; Butch Arce <butch.arce@empSCO.net>; Ferdie Cabuhat <ferdie.cabuhat@empSCO.net>
Subject: GWA S15-006-EPA, Route 4_ProPacific PCO for SMH 6908 invert- Meeting Minutes


4 September 2020

Zoom meeting was held to discuss the PCO for SMH 6908 invert, extra work. Below is a summary of our discussion as follow based on the subject above:

1. Jerlie shall communicate with DPW Highway Division if they can allow ProPacific to close the lane for 5 days for SMH-6908 work. Jerlie to prepare a sketch of traffic control to John and DPW as a reference.
2. John shall ask GWA for assistance to talk to DPW for the closure of the lane for 5 days of work.
3. ProPacific can proceed to order the material for grouting, specified in PCO item 2. Labor costs shall need to be negotiated by EMPSCO to ProPacific.
4. Labor cost for the Demolition of the hump shall need to be negotiated by EMPSCO to ProPacific.
5. ProPacific shall need to revisit the cost for safety- confined space and equipment, retrieval, and air monitoring equipment.
6. ProPacific to adjust additional time to 21 days to include the recent Covid-19 lockdown.
7. Jerlie to Provide revised PCO for SMH 6908 based on the above list of items discussed.

If there is misstated or omitted, please let me know.

Regards,

Tyrone de Guzman, P.E. |  EMPSCO Engineering Consultants
1998 Army Drive, 2/F EMPSCO Bldg. Dededo, Guam 96929
Tel no.: 671.638.4716/5716; Fax: 671.638.2136 | empSCO@guam.net

**Original ProPacific
Builder Corp.
PCO no. 6**

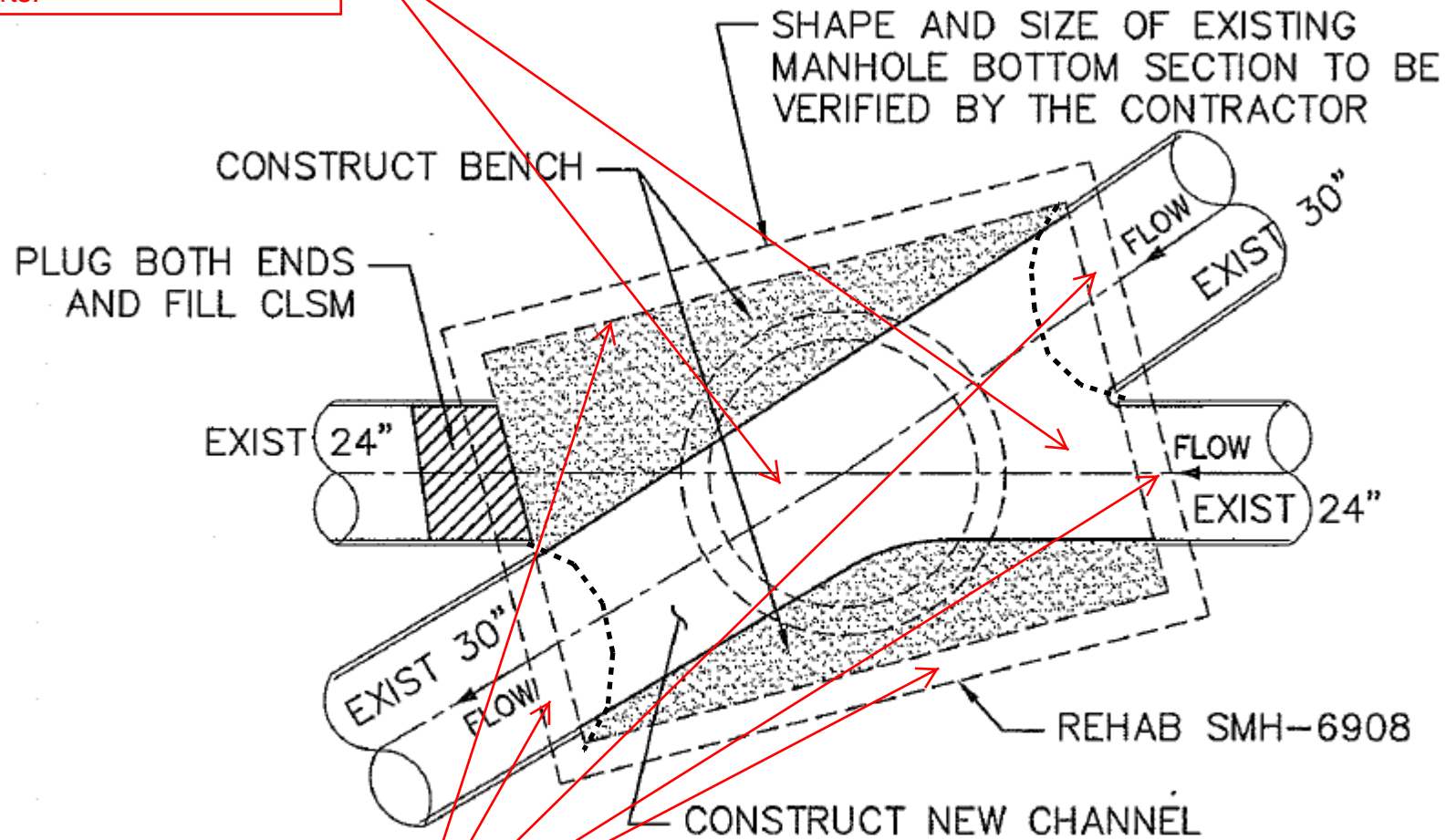
Route 4 Relief Sewer Line Rehabilitation And Replacement

GWA Project No#. S15-006-EPA

CHANGE ORDER PROPOSAL TO CORRECT EXISTING SMH-6908 INVERT

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL COST
1.0	Cleaning & disinfecting of SMH bottom portion.	LS	1.00	800.00	800.00
2.0	Grout injection of SMH bottom portion.				
	Fibrotite Rope (1 small box)	BOX	1.00	230.00	230.00
	Injection Ports	EA	15.00	7.05	105.75
	Avanti Injection Grouts (5 gallon pail)	PAIL	3.00	2,265.00	6,795.00
	Air freight cost of Grout injection materials.	EA	3.00	200.00	600.00
	High-grade Acetone for cleaning of injection pump after each use.	GAL	5.00	96.00	480.00
	Service vehicles, grout injection pump, & other tools.	LS	1.00	1,500.00	1,500.00
	Labor - 3 guys (w/ 1 Certified Installer & 1 Confined Spaced Competent Person)	LS	1.00	3,600.00	3,600.00
3.0	Demolition of hump				
	Labor - 3 guys (w/ 1 Confined Spaced Competent Person)	LS	1.00	3,600.00	3,600.00
	Service vehicles, chipping guns, power generator, & other tools.	LS	1.00	1,500.00	1,500.00
	Disposal of contaminated debris	LS	1.00	700.00	700.00
		SUB-TOTAL			19,910.75
		Overhead & Profit (15%)			2,986.61
		SUB-TOTAL			22,897.36
		GRT(5.21%)			1,192.95
		TOTAL			24,090.32
4.0	Traffic Control.	EA	1.00	4,000.00	4,000.00
5.0	By-pass and temporary plugs to isolate SMH-6908.	EA	1.00	7,200.00	7,200.00
6.0	Safety				
	Confined space equipments, retrieval, & air monitoring equipment.	LS	1.00	1,200.00	1,200.00
	Supply/exhaust fans w/ flexible hose, lightings, and power generator.	LS	1.00	600.00	600.00
	Miscellaneous disposable safety materials				
	Tyvek suits	LS	1.00	80.00	80.00
	Rubber gloves & hand gloves.	LS	1.00	40.00	40.00
	Face-mask with multi-gas cartridge & respirators.	SET	4.00	200.00	800.00
TOTAL COST					38,010.32
Please add 14 calendar days which include procurement & airfreight of materials to complete this task.					

Demolished existing floor
toppings to achieved required
inverts.



Inject Avanti Injection Grout around
pipe connections and rectangular
manhole riser prior to demolition of
manhole floor toppings.

SMH 6908
CORRECT INVERT