

CONSOLIDATED COMMISSION ON UTILITIES

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

RESOLUTION NO. 09-FY2019

RELATIVE TO APPROVAL OF CHANGE ORDER TO THE CONSTRUCTION MANAGEMENT CONTRACT FOR THE BAZA GARDENS WASTEWATER CROSSISLAND PUMPING AND CONVEYANCE SYSTEM (PHASES I, II&III)

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

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

WHEREAS, GWA currently has a number of critical Court Order ("CO") projects including a complete evaluation of the Baza Gardens WWTP to determine what improvements are necessary at the plant to achieve compliance with the WWTP's NDPES permit, as stated in Paragraph 13 of the 2011 Court Order, as well as the completion of construction activities that were identified in the approved plan resulting from the evaluation noted above as stated in Paragraph 14 of the 2011 Court Order; and

WHEREAS, the system evaluation report required under Paragraph 13 and completed in April of 2014 by GWA's Program Management Office (PMO), Brown and Caldwell, resulted in a recommendation to GWA and the USEPA that transferring/conveying the Baza Gardens WWTP effluent flow across the Route 17 (Cross Island Road) to a new Agat-Santa Rita WWTP site was the recommended conceptual alternative to which this recommendation was found to be acceptable by all parties; and

WHEREAS, in September of 2015 GWA began the procurement process to find a consulting engineering team to design the wastewater conveyance system and via Resolution 06-FY16, approved by the CCU in October of 2015, GWA management was authorized to enter into

 a contract with Duenas Camacho and Associates to design the wastewater conveyance and pumping system which includes new Sewer Pump Station (SPS), gravity mains, force mains and all incidentals and appurtenances to these main components; and

WHEREAS, GWA executed three separate construction contracts (Phases I, II&III) with Sumitomo Mitsui Construction Company (SMCC) and BME &Sons Incorporated (BME) to construct the new Conveyance System by April 16, 2018, per CCU Resolutions 01-FY2017, 13-FY2017 and 29-FY2017); and

WHEREAS, CCU Resolution 02-FY2017 also authorized GWA to execute a contract with SSFM, Inc. (SSFM) to provide construction management services and wherein the resolution included a total authorized amount of Two Million Eight Hundred Seventy-One Thousand Dollars (\$2,871,000.00); and

WHEREAS, GWA had executed the original contract with SSFM for an amount of Two Million Two Hundred Eighty-Five Thousand Two Hundred Sixty-Eight Dollars (\$2,285,268.00) and Change Order #1 in the amount of One Hundred Eighty-Five Thousand Six Hundred Ninety-One Dollars (\$185,691.00) for a total contract value of Two Million Four Hundred Seventy Thousand Nine Hundred Fifty-Nine Dollars (\$2,470,959.00) to date; and

WHEREAS, the contractor for Phase III, SMCC, has submitted documentation to GWA management (See Exhibit A) wherein they are stating the completion of their portion of the project will not be completed until April 2019 and the reason for this delay is due to inclement weather and the shortage of construction workers; and

WHEREAS, notwithstanding the issues surrounding one of the contractor's delay and a means of allowing for continuity of construction management services as it relates to any construction extension due to contractor issues, GWA requested SSFM submit a fee proposal to continue construction management services for which SSFM provided to GWA a Seven Hundred One Thousand Six Hundred Five Dollars and Fifty-Nine Cents (\$701,605.59) fee proposal (See Exhibit B) for continuation of CM services from October 2018 through April 2019; and

WHEREAS, GWA management will be negotiating down the fee proposal submitted by SSFM given the level of staffing and construction activities will ramp down towards the end of the construction period but until final negotiated fees are reached GWA management still seeks CCU approval of additional funding to execute Change Order(s) to a not-to-exceed the amount of Three Hundred One Thousand Five Hundred Sixty Four Dollars and Fifty Nine Cents (\$301,564.59) for the extended contract performance period because the timing of any change order approval may not coincide with scheduled CCU meetings; and

WHEREAS, funding for any Change Order to SSFM moving forward will be from any available bond funds under the line item - WW 11-03 "Baza Gardens STP Replacement", System Development Charge funds and Internally Funded CIP funds as well as Liquidated Damages of \$3,000 per day from the contractor; 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 construction management services to an amount not to exceed Three Hundred One Thousand Five Hundred Sixty-Four Dollars and Fifty-Nine Cents (\$301,564.59) (Exhibit B).
- 3. The CCU further approves the total contract value for SSFM is an amount not to exceed Three Million One Hundred Seventy-Two Thousand Five Hundred Sixty-Four Dollars and Fifty-Nine Cents (\$3,172,564.59)
- 4. The source of funding for any Change Order to SSFM moving forward will be from any available bond funds under the line item WW 11-03 "Baza Gardens STP Replacement", System Development Charge funds and Internally Funded CIP funds as well as Liquidated Damages of \$3,000 per day from the contractor.

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

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DULY AND REGULARLY ADOPTED, this 27th day of November 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:

NAYS:

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ABSTENTIONS:

ABSENT:

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EXHIBIT A



SUMITOMO MITSUI CONSTRUCTION CO.,LTD.

Reference: LT-18-032

Guam Office: P. O. Box 9670 Tamuning, Guam 96931

July 14, 2018

Mr. John Davis / Project Manager Guam Waterworks Authority Gloria B. Nelson Public Service Building 688 Route 15, Mangilao Guam 96913

Project: IFB-05-ENG-2017

Baza Gardens Wastewater Cross-Island Pumping and Conveyance System Phase III

GWA Project No. S15-008-BND

Subject: Contract Time Extension Request

Dear Mr. Davis,

This is to request project contract time extension with following reason SMCC encountered in implementation of this project. Due to rejection of H-2B Temporary Alien Skilled workers, we were unable to obtain planned numbers of manpower, which is necessary to acquire to complete the project on time.

As shown in our baseline schedule, SMCC has planned to obtain total manpower of 11,856 man-days (Combination of Skilled & Unskilled) for the construction duration time of 300 calendar days from June 20, 2017 to April 16, 2018 to complete the project on time.

On the other hand, due to the H2B issue, we had been facing Island wide shortage of workers from the beginning to date. As a consequence, SMCC could obtain much less work force comparing to the original plan and cumulative total manpower expected to be *3,680* man-days at the end of July, 2018 from October 24, 2017 when the building permit was received on.

SMCC has been trying many efforts to minimize the delays with GWA and Project team's understanding and supports, such as using flowable fill and lean concrete instead of using soil and base course to accelerate back fill works. We also shorten the stand-by time to start removal of forms after concrete casting by using higher strength concrete than specified in design.

I believe SMCC attained considerable progress and accelerated the project as achievable as possible with those efforts.

We are also expecting some improvement on workers issue and it will increase our present manpower to a projected average total of at least 900 man-days/month for the project remaining contract scope of works. For this number of manpower, the project will be completed by April 30, 2019. Please see attached for details.

July 14, 2018 Mr. John Davis / Project Manager IFB-05-ENG-2017

Baza Gardens Wastewater Cross-Island Pumping and Conveyance System Phase III GWA Project No. S15-008-BND Contract Time Extension Request

We therefore request a 270 Calendar day time extension that will revise the project completion time to April 30, 2019 due to the reason of delays mentioned above that could not be avoided and is beyond the control of SMCC.

Your kind consideration to this request would highly be appreciated.

Sincerely yours,

Takeyuki Shiino General Manager

Cc: Rizaldy Cortez / SSFM

Sumitomo Mitsui Construction Co., Ltd.
PROJECT: GWA - Baza Gardens Phase JII

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|-----|---|-----------------|---------------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|--------|------------|
| ž | MONTHLY MANPOWER BREAKDOWN | r . | Sep-17 | Oct-17 | Nov-17 | Dec-17 | 31-ne(| Feb-18 | Mar-17 | Apr-18 | May-18 | Jun-18 | Jul-18 | Total Man- |
| | DESCRIPTION | AMOUNT | June 20-30, 2017 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | skep |
| 4 | Project Mabilization | \$ 658,136.00 | 20 | 52 | 52 | 25 | 25 | 52 | 52 | | | | | 332 |
| 7 | Temporary Facilities | \$ 451,233.00 | 8 | 78 | 82 | 78 | 82 | 82 | 78 | 78 | 282 | 78 | 78 | 810 |
| m | Pump Station and conveyance system lay-out | \$ 79,864.00 | R | 52 | 52 | 52 | 52 | 52 | 25 | 25 | 52 | 52 | 52 | 540 |
| 4 | Equipment extended warranty | \$ 286,063.00 | | | | | | | | | | | | 0 |
| N | Temporary environmental protection | \$ 110,848.00 | 8 | 78 | 82 | 78 | 78 | 78 | 78 | 7.8 | . 78 | 78 | 78 | 810 |
| ம | Temporary traffic control | \$ 261,999.00 | 20 | 78 | 78 | 78 | 82 | 78 | 78 | | | | | 498 |
| 1 | Site dearing | \$ 24,432.00 | | 52 | | | | | | | 52. | | | 104 |
| ∞ | Site grading | \$ 133,335,00 | | | | 52 | 52 | | | | | 52 | 52 | 208 |
| 6 | Under Ground Storage Tank Removal and Disposal | \$ 58,583.00 | | | | | × | | 78 | | | | | 78 |
| 2 | Building and Site Demolition and Disposal (including removal of existing AC Pavement) | \$ 182,251.00 | | | | 78 | .82 | 78 | 78 | | | | | 312 |
| Ħ | Asbestos cement removal and pipe disposal (4 tons) | \$ 29,471.00 | | | | | | | 78. | | | | | 78 |
| 12 | Site access road and pavement | \$ 313,386.00 | | | | | | | | 78 | | 82 | 78 | 234 |
| 13 | Perimeter fence line and gates | \$ 240,201.00 | | | | | | 104 | | | 104 | 104 | 104 | 416 |
| 14 | 14 Site drainage improvements complete in place | \$ 158,783.00 | | | | 104 | 192 | 104 | | | 101 | 104 | 201 | 624 |
| 15 | Headworks and pump station structure and finishings complete in place | \$ 2,136,264.00 | | 101 | 208 | 208 | 208 | 156 | 104 | | | | | 988 |
| 91 | 16 Parshall flume complete in place | \$ 21,938.00 | | | | | | 104 | | | | | | 104 |
| 17 | 17 Rotary screen complete in place | \$ 1,074,438.00 | | | | | | 3 01 | | | | | | 104 |
| -81 | 18 Grit removal system complete in place | \$ 675,254.00 | | | | | | | 104 | | | | | 104 |
| 2 | 19 Wastewater pumps complete in place | \$ 249,566.00 | | | | | | | 104 | | | | | 104 |
| 8 | Pumpstation and headworks mechanical process 20 piping, fittings and flow-meter installed complete in place | \$ 101,478.00 | | | | | | 201 | | | | | | 104 |
| Z | 21 Surge relief valve and vault complete in place | \$ 22,014.00 | | | | | | | 104 | | | | | 104 |
| 5 | 77 Brims VEN's controls and lawal caneur | \$ 464,462.00 | | | | | | | 104 | | | | | 104 |
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| יים וו מנוול בי כי כי בתווחמום מוום ורבר פרווסמו | _ | | | | | | | | | | | | |
|--|------------------|---------------|------|------------------|------|------|--------|----------|-----|-----------|----------|------|-------|
| 23 Odor control unit | \$ 96,440.00 | | | | | | | 104 | | | | | 104 |
| 24 Site water system complete in place | \$ 112,650.00 | | | | | | 104 | 104 | | | | | 208 |
| 25 Site process piping complete in place | \$ 203,228.00 | | | | | | 104 | | | 104 | 104 | 104 | 416 |
| 26 Site wastewater piping complete in place | \$ 74,996.00 | | | | | | 104 | 104 | | | | | 208 |
| 27 Force-main 1 10,481 of 10 inch PVC Pipe | \$ 1,581,549.00 | | | | 156 | 156 | 156 | 156 | | | | | 624 |
| 28 Force-main 1 road repair | \$ 472,749.00 | | | | | | | 78 | 88 | | | | 156 |
| 29 2-4inch PVC communication conduits and hand-hole complete in place | w | | | | 130 | 130 | 130 | 130 | | | | | 520 |
| 30 New fiber optic line complete in place | \$ 117,016.00 | | | | | | | 78 | 78 | | | | 156 |
| Site electrical inclusive of transformer, light poles, communication and power lines complete in place | s, \$ 192,659.00 | | | | | | 104 | | | 104 | 104 | 104 | 416 |
| 32 New standby generator building structure and finishings complete in place | \$ 396,435.00 | | | | | 104 | 156 | 1 | | | | | 364 |
| 33 Standby generator installed complete in place | \$ 106,320.00 | | | | | | | 82 | | | | | 78 |
| 34 Aboveground fuel tank complete in place | \$ 62,119.00 | | | | | | | 82. | | | | | 82 |
| Wastewater pump station and headworks start-up and testing | rp \$ 94,136.00 | | | | | | | 28 | | | | | 7.8 |
| 36 Baza Gardens WWTP Facility Demolition | \$ 196,718.00 | | | | | | | 28 | | | | | 78 |
| 37 Studge removal and disposal (30 cubic yards) | \$ 9,395.00 | | | | | | | 82 | | | | | 82 |
| 38 Equalization tank 2 complete in place | \$ 2,690,986.00 | | | | | | | 104 | 208 | 508 | 208 | 104 | 832 |
| 39 Equalization tank 1 complete in place | \$ 143,720.00 | | | | | | | | 104 | 104 | 104 | 78 | 390 |
| 40 Project dose-out | \$ 511,267.00 | | | | | | | 82 | 82 | | 78 | 78 | 312 |
| TOTAL | \$ 15,530,892.00 | | | | | | | | | | | | |
| PLAN (Man-days) | | 130 | 494 | 546 | 1066 | 1170 | 1950 | 2522 | | 888 | 1144 | 1014 | 11856 |
| NEEDED (Mad-day) | | 787 - 24 - 24 | - 19 | CONTRACTOR STATE | 1 CO | | 295 AN | 000 | 83 | 38 | 5 | 416 | 3680 |
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| TOTAL Man-days | | 416 | | | | 456 | | | | 200 | | | | 1 | | | | | 468 | | | | 468 | | | | 416 | | | | 25 | | | | 104 | | | 1 | 156 | | | 1 | 234 | | |
| | Average | 0000 | 0.00 | Average | 0 00 | 3.00 | 10.08 | | Average | 7.00 | 7.65 | | Average | 10.76 | 9.08 | | Average | 000 | 200 | 3.32 | Average | 0 61 | 70.0 | 1.37 | Average | 7.23 | 90.6 | | Average | יאכו מפכ | 177 | 1.04 | Average | 2.46 | 1.42 | | Average | 3.32 | 2.36 | | Average | 3.80 | 5.28 | | Total |
| | 12 | 11 | 1 | 31 | , | T | Ī | , | | 4 | 9 | | 31 | | | | 31 | | T | | 31 | | T | 7 | 31 | 6 | 12 | | 21 | 770 | 1 | 1 | 31 | | 2 | | 31/ | | | T | 31 | 0 | 0 | ۱ ' | |
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| 90 | | | L | | 1 | \perp | | \perp | 97 | | 7 | | 7 | 9 | .3 | | 28 | 0 | 0 | 2 | 28 | 12 | 1 5 | | 28 | 9 | 12 | | 78 | u u | ם ר | 7 | 28 | 0 | 0 | | 28 | 9 | 3 | Г | 78 | m. | 2 | | |
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| | 3 5 | | | | | 1 | | | | m | | | 25 | 1 | 14 | | 25 | 11 | | | 1 | | 1 | - | 25 | 6 | 12 | | 75 | 1 | 7 | 7 | 25 | 3 | 0 | П | 25 | 4 | m | | 57 | 0 | 0 | | |
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| 22 | | 1 | | 1 | 11 | 1 | 1 | 23 | 1 | 4 | 9 | | ~ | 2 | 7 | | 22 | 13 | 16 | 2 | 22 | 11 | 12 | 77 | 22 | 2 | П | | 22 | ٦ | 4 | 1 | 22 | 0 | 0 | П | 22 | 80 | 4 | П | 22 | 3 | 7 | | |
| | 10 | L | L | | 9 | | | 21 | \perp | - | 00 | 1 | | | 9 | | 21 | 14 | 17 | 1 | 21 | 12 | 15 | 1 | 1 | 6 | 12 | | 21 | 1 | 4 - | 1 | 21 | 0 | 0 | | 71 | 7 | 4 | | 77 | 9 | 11 | | |
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| and the same | 6 | L | L | 18 | 2 | 2 | | 18 | 9 | 2 | 0 | 1 | 18 | 11 | 10 | | 18 | 11 | | 1 | 18 | 11 | 11 | 1 | 18 | 9 | 12 | | 18 | 0 | 0 | 2 | 18 | 0 | 0 | П | 18 | 1 | 1 | | 18 | 4 | 4 | | |
| 17 | | L | | 17 | | 7 | | 17 | 1 | | 7 | | 7 | | 7 | | 17 | | 5 | | 17 | | 0 | | 17 | 6 | 12 | | 17 | C | 0 | 2 | 17 | 3 | 2 | П | 17 | 3 | m | | 17 | 0 | 0 | | |
| 16 | L | - | | | 9 | | | 16 | | | 14 | 1 | 19 | 6 | 7 | | 16 | 12 | 1 | | 16 | 11 | 6 | | 16 | 6 | 12 | | 16 | 0 | 10 | 7 | 16 | m | 0 | П | 16 | 3 | æ | П | 16 | 3 | 4 | | |
| 15 | 00 | 9 | - | | 10 | | 1 | 15 | 1 | - 5 | 77 | | 13 | m | 0 | | 15 | 11 | 10 | | 15 | 11 | 10 | 1 | 15 | 2 | 1 | | 15 | ٦ | 1 | 1 | 15 | 0 | 0 | П | 13 | 33 | m | П | 15 | 9 | 80 | | |
| 14 | 0 | 0 | | | 15 | L | | 14 | 9 | 5 | 10 | 1 | 14 | 9 | 9 | | 14 | 11 | 16 | | 14 | 11 | 6 | 1 | 14 | 6 | 12 | | 14 | ٦ | 1 | 1 | 14 | 0 | 0 | П | 14 | 3 | 3 | П | 14 | 9 | 8 | | |
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| 9 | 3 | 7 | | 9 | 10 | 12 | | 9 | 1 | 0 | Q | 1 | 9 | 2 | | | 9 | 2 | 0 | | 9 | 12 | 11 | | 9 | 6 | 00 | | 9 | F | - | 1 | 9 | 3 | 2 | | 9 | 4 | 2 | | 9 | 7 | 2 | | |
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| Jan-18 | Skilled | Unskilled | | Feb-18 | Skilled | Unskilled | | Mar-18 | Skilled | Ibrillind | Oliskilled | Anr. 18 | יותע דייוי | Skilled | Onskilled | | May-18 | Skilled | Unskilled | | Jun-18 | Skilled | Unskilled | | Jul-18 | Skilled | Unskilled | New York | Sep-17 | Skilled | Unskilled | | Oct-17 | Skilled | Unskilled | | Nov-17 | Skilled | Unskilled | | Dec-17 | Skilled | Unskilled | | |

PROJECT: Baza Gardens Wastewater Cross-Island Pumping and Conveyance System Phase III CONTRACTOR: Sumitomo Mitsul Construction Co., Ltd.

| | | Total | 11,856 | 3,680 | 8,176 | 25.50 | o rrio | | | | | | | | |
|------|-------|-------|--------|----------|----------|-----------|--|--------|--------|-------|-------|-------|-------|-----|--|
| | 1 | Apr | | | | 200 | ctual | 11,856 | | | | | | Apr | |
| | 6 | Mar | | | | 8 | | | | | | | | Mar | |
| | 2019 | Feb | | | | 550 | rajecte | | | | | | | Feb | |
| | | Jan | | | | 558 | Projected —Actual | | | | | | | Jan | |
| | | Dec | | | | 050 | Pla | | | 1 | | | | Dec | |
| | | Nov | | | | 050 | | | | | | * | | Nov | |
| | | Oct | | | | 080 | | | | | | | | Oct | |
| | | sep | | | | 056 | | | | | 1 | | | Sep | s/month) |
| | | Aug | | | | 790 | 1 | | | | | | | Aug | Plan minus Total Actual 1856 - 3,680 8176 Mandays needed to complete the project 77.82 Average man-days/month based on original plan 9.08 Months [Considering SMCC could provide an average of 900 man-days/month) |
| 2018 | | 7 | | 416 | 598 | | MON-MONTH COMPARISON For ORIGINAL PLAN & ACTUAL/EXPECTATION | | | | | 3,680 | | Jul | oge of 900 |
| 100 | 3 | un | | 468 | 9/9 | | MON-MONTH COMPARISON SINAL PLAN & ACTUAL/EXPEC | | | | | \ | | Jun | ct ginal plan de an aver |
| | 1 | Way | | 468 | 520 | | H COM | | | | | ` | \ | Мау | al Plan minus Total Actual 11856 - 3,680 8176 Mandays needed to complete the project 777.82 Average man-days/month based on origini 9.08 Months (Considering SMCC could provide |
| | 4 | 189 | 1,014 | 520 | 312 | | I-MONT | 11,856 | | | | | 1 | Apr | complete month ba: g SMCC co |
| | Mari | . 100 | 1,144 | 330 | 2,132 | | MON | • | | | | | 1 | Mar | a) Actual 3,680 needed tr nan-days/ Considerin |
| | Coh | | 288 | 456 | 1,494 | | For O | | 1 | | | | 1 | Feb | minus Toi Mandays Average i Months (i |
| | - | 18 | 768 | 416 | 754 | | | | | | | | | Jan | Total Plan 11856 8176 1077.82 9.08 |
| | 200 | - | 775'7 | 5 234 | 832 | | | | | / | | | | Dec | omplete = 1 = = = = = : project = |
| | Now | 1000 | DC6,1 | 4 156 | 390 | | | | | | | | | Nov | idays to Co |
| | 100 | 935 | 0/1/10 | 52 104 | 78 390 | | | | | | | 1 | | 00 | Total Needed Mandays to Complete = Total Plan minus Total Actual = 11856 - 3,680 = 8176 Mandays needed to complete the project = 1077.82 Average man-days/month based on original plan Required months to complete the project = 9.08 Months (Considering SMCC could provide an aver |
| 2017 | 1 | - | 1 1 | eri - | 7 | | | | | | | | | Sep | Total Ne juired mor |
| | Aug | | Obs. | | | | | | | | | | | Aug | a a |
| | Fed | 1 | | | | | | | | | | | | 国 | |
| | lun | 130 | | | | | | | | | | | |) ä | |
| | Month | Plan | | Actual | Shortage | Projected | 14,000 | 12,000 | 10,000 | 8,000 | 6,000 | 4,000 | 2,000 | 0 | |
| | | | | | ऊ | ď | 1 | Н | 1 | HTNON | | | | | |

EXHIBIT B

BAZA GARDENS WASTEWATER CROSS ISLAND PUMPING AND CONVEYANCE SYSTEM PROJECT NO. S15-008-BND

CO #2: CM EXTENSION OCTOBER 2018 TO APRIL 2019 (7 MONTHS)

| | | | | MONTHLY |
|-------------------|----------|----------------|------|----------|
| STAFFING | Old Rate | Add 1% New GRT | UNIT | MANHOURS |
| Principal | \$215.00 | \$ 217,15 | HOUR | 10 |
| Project Manager | 215.00 | 217.15 | HOUR | 152 |
| Resident Engineer | 178.00 | 179.78 | HOUR | 184 |
| Project Inspector | 99.00 | 99.99 | HOUR | 253 |
| Document Clerk | 59.00 | 59.59 | HOUR | 112 |
| Total | 1 | | | |

| October | November | December | January | February | March | April | Total |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------------------------------|--------------|
| \$ 2,171.50 | \$ 2,171.50 | \$ 2,171.50 | \$ 2,171.50 | \$ 2,171.50 | \$ 2,171.50 | · · · · · · · · · · · · · · · · · · · | \$ 15,200.50 |
| 33,006.80 | 33,006.80 | 33,006.80 | 33,006.80 | 33,006.80 | 33,006.80 | 33,006.80 | 231,047,60 |
| 33,079.52 | 33,079.52 | 33,079.52 | 33,079.52 | 33,079,52 | 33,079.52 | 33,079.52 | 231,556.64 |
| 25,297,47 | 25,297.47 | 25,297.47 | 25,297,47 | 25,297.47 | 25,297.47 | 25,297.47 | 177,082.29 |
| 6,674.08 | 6,674.08 | 6,674,08 | 6,674.08 | 6,674.08 | 6,674.08 | 6,674.08 | 46,718.56 |
| \$ 100,229.37 | \$ 100,229.37 | \$ 100,229.37 | \$ 100,229.37 | \$ 100,229.37 | \$ 100,229.37 | \$ 100,229,37 | |

Note:

Rates :1% added to old rate due to new 5% GRT effective on Oct 01, 2018