

**CITY OF CORPUS CHRISTI  
ENGINEERING SERVICES  
CHANGE ORDER**

**VENDOR ID NO.:** 130710  
**CONTRACT NO.:** 3987

**PROJECT:** City-Wide Lift Station Repairs 2018-2019 (Williams LS)  
**CONTRACTOR:** Associated Construction Partners, Ltd  
**ENGINEER:** Urban Engineering  
**PROJECT MANAGER:** Sandra Gomez  
**OPERATING DEPT.:** Wastewater

<b>PROJECT NUMBER:</b>	21143
<b>CHANGE ORDER NO:</b>	3
<b>CHANGE ORDER DATE:</b>	4/18/2024

**Make the following additions, modifications or deletions to the work described in the Contract Documents:**

		Quantity	Unit	Unit Price	Total
<b>ADDITIONS</b>					
<b>reason</b>					
<b>PART B - WILLIAMS LIFT STATION</b>					
B3.001	Temporary Power (COR 8, RFI 15)	1	LS	\$ 75,711.14	\$ 75,711.14
B-N5	42" FM - Subtract Wey Valve (COR 9.REV.4, RFI 28)	1	LS	\$ 626,718.85	\$ 626,718.85
				<b>Subtotal:</b>	<b>\$ 702,429.99</b>
<b>PART C - MANDATORY ALLOCATIONS</b>					
C1	ALLOWANCE - PART C - (C1) Utility Unforeseen Allocation	1	AL	\$ 150,000.00	\$ 150,000.00
				<b>Subtotal:</b>	<b>\$ 150,000.00</b>
Additional Contract Time Due To: Scope of Work					
Additional Contract Time Due To: Rain/Weather					
Additional Contract Time Due To: Critical Path Delays					
Additional Contract Time Due To: Other					
				<b>Additions Total:</b>	<b>\$ 852,429.99</b>

		Quantity	Unit	Unit Price	Total
<b>DELETIONS</b>					
<b>n/a</b>					
<b>n/a</b>					
				<b>Deletions Total:</b>	<b>\$ -</b>

Additional Calendar Days requested 0 **NET TOTAL OF THIS CHANGE ORDER: \$ 852,429.99**

**Why was this Change necessary:**  
 B3.001: PCO #8 is the Temporary Power Plan. The reason why we needed a Temporary Power Plan is because we are not receiving some important Electrical Equipment until November 2024 and CCW wanted the pumps Williams Lift Station running before then. This Temporary Power Plan allows to have a few pumps online till the Electrical Equipment gets here. This way we don't have to worry about the old pumps failing.  
 B-N5: PCO #9 is a 42 Inch line that we are trying to install while we have the system down on Bypass and take advantage of the Bypass being online so the City wont have to pay for a Bypass later for the future work.  
 C1 - Unforeseen Condition Allowance has been added per City Request for future RFI/COR, if any.

*This Contract Modification represents Final Adjustment for any and all amounts due or to become due to Contractor for changes referred to herein. Contractor further releases all other claims, if any (except those claims previously submitted in writing in strict accordance with the Contract), for additional compensation under this Contract, including without limitation any rights Contractor may have for additional compensation arising out of delays or disruption of Contractor's schedule as may have arisen prior to the date of this Contract Modification. Unless otherwise expressly provided herein, the time of completion and all other terms and conditions of the Contract remain unchanged.*

Original Contract Amount	\$ 11,615,000.00	<b>Proposed Change Order Funding Source(s) SECTION/FUND</b>
Maximum Change Order Contingency Amount (25%)	\$ 2,903,750.00	
Remaining Available Contingency Amount (including this CO)	\$ 1,982,024.24	
Previously Approved Change Order Amount	\$ 69,295.77	<b>FUND:</b> XXXX-XX-XX <b>ACCOUNT:</b> XXXXXX <b>ACTIVITY:</b> XXXXXX-XX-XXXX-XXX <b>AMOUNT:</b> \$0.00
<b>Proposed Change Order Amount</b>	<b>\$ 852,429.99 for use by CAP</b>	
<b>Revised Contract Amount</b>	<b>\$ 12,536,725.76 for use by CAP</b>	<b>SECTION/FUND</b> <b>FUND:</b> XXXX-XX-XX <b>ACCOUNT:</b> XXXXXX <b>ACTIVITY:</b> XXXXXX-XX-XXXX-XXX <b>AMOUNT:</b> \$0.00
Percent of Total Change Orders (including this CO)	7.94%	
Original Contract Time for Substantial Completion	240 CD's	<b>SECTION/FUND</b> <b>FUND:</b> XXXX-XX-XX <b>ACCOUNT:</b> XXXXXX <b>ACTIVITY:</b> XXXXXX-XX-XXXX-XXX <b>AMOUNT:</b> \$0.00
Notice to Proceed Date	5/16/2022	
Original Substantial Completion Date	1/11/2023	<b>SECTION/FUND</b> <b>FUND:</b> XXXX-XX-XX <b>ACCOUNT:</b> XXXXXX <b>ACTIVITY:</b> XXXXXX-XX-XXXX-XXX <b>AMOUNT:</b> \$0.00
Previously Approved Change Order Time	779 CD's	
Additional Time on This Change Order	0 CD's	<b>SECTION/FUND</b> <b>FUND:</b> XXXX-XX-XX <b>ACCOUNT:</b> XXXXXX <b>ACTIVITY:</b> XXXXXX-XX-XXXX-XXX <b>AMOUNT:</b> \$0.00
Revised Contract Time for Substantial Completion	1019 CD's	
<b>Revised Substantial Completion Date</b>	<b>2/28/2025 for use by CAP</b>	<b>SECTION/FUND</b> <b>FUND:</b> XXXX-XX-XX <b>ACCOUNT:</b> XXXXXX <b>ACTIVITY:</b> XXXXXX-XX-XXXX-XXX <b>AMOUNT:</b> \$0.00

<b>CONTRACTOR</b>
<b>REQUESTED BY:</b> Associated Construction Partners, Ltd
<b>Jilian Simpson</b> President
<b>Date</b>

**CITY OF CORPUS CHRISTI  
ENGINEERING SERVICES  
CHANGE ORDER**

**VENDOR ID NO.:** 130710  
**CONTRACT NO.:** 3987

**PROJECT:** City-Wide Lift Station Repairs 2018-2019 (Williams LS)  
**CONTRACTOR:** Associated Construction Partners, Ltd  
**ENGINEER:** Urban Engineering  
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**OPERATING DEPT.:** Wastewater

<b>PROJECT NUMBER:</b>	21143
<b>CHANGE ORDER NO:</b>	3
<b>CHANGE ORDER DATE:</b>	4/18/2024

**Make the following additions, modifications or deletions to the work described in the Contract Documents:**

**CITY OF CORPUS CHRISTI**

**REVIEWED BY:** \_\_\_\_\_  
 Lorena Skrobarczyk **Date**  
Construction Supervisor

**APPROVED BY:** \_\_\_\_\_  
 Jeff H. Edmonds, P.E. **Date**  
Director of Engineering Services

**RECOMMENDED BY:** \_\_\_\_\_  
 David Thornburg **Date**  
Construction Engineer

**APPROVED BY:** \_\_\_\_\_  
(\$50,000.00 - \$99,999.99) **Neiman Young** **Date**  
Assistant City Manager

**APPROVED AS TO** \_\_\_\_\_  
**FORM:** Janet Whitehead **Date**  
Assistant City Attorney

**Authorized** \_\_\_\_\_ **initials** Registrar No.  
**By Council** \_\_\_\_\_ Council Date \_\_\_\_\_

**RECOMMENDED BY:** \_\_\_\_\_  
 Kamil Taras **Date**  
Management and Budget Designee

**ATTEST:** \_\_\_\_\_  
(Council) **Rebecca Huerta** **Date**  
(≥ \$100,000.00 or ≥ 25%) City Secretary

## REQUEST FOR INFORMATION

B3.001, + 0 CDs



RFI #	15
DATE	6/9/2023
DATE NEEDED BY	ASAP
PROJECT NAME	Citywide LS (Williams)
PROJECT NUMBER	21143 / ACP 1502

TO:	Burl Ritchie, Inspector
	City of Corpus Christi

## RFI DESCRIPTION

Temporary Power Plan;  
Will this plan be acceptable for purposes of getting the new pumps online?

SUBMITTED BY: Rachel Fitchett

DATE: 6/9/2023

## RESPONSE TO RFI

Although not stated, the purposed of this purposed temporary power plan is a result of the new electric gear reported delivery date of Nov. 2024. This plan would have to be in use from when the pump and piping modifications are completed until the new gear is delivered. We have reviewed and agree with the Contractor's concept, however the following items need to be addressed:

1. If the intent is to use the salvaged 480V VFD from the Allison WWTP, confirm the VFD is large enough to serve new Williams Jockey pump and that is operational..
2. Due to the anticipated time for the temporary power arrangement, placing the new 4160V in the pump room area will require a temporary climate controlled electrical enclosure. Provide a sketch layout.
3. Confirm with Eaton that the existing 4160V switches are functional for this temporary use.
4. Confirm the existing non-functional 4160V sections can be removed to allow for more space in electrical room.
5. Provide proposed schedule for outages, gear delivery, installation, etc.

Once this information is received we will schedule a meeting with all stakeholders to discuss the proposed plan.

Mark Maroney, P.E. Urban Engineering June 26, 2023

The City agrees with Urban Engineering . ACP needs to review and reply to the 5 items listed and from there we can move forward. Burl Ritchie 6-29-2023

# C. W. Campbell Electric, Inc.

COR 8, RFI 15

B3.001, +0 CDs

802 Cantwell Lane  
Corpus Christi, TX 78408  
Phone 361-887-0766 Fax 361-887-0767 cell 361-319-2286  
License # 19713

## Temporary Power Plan

June 8, 2023

Regulated by the Texas Department of Licensing and Regulation, P.O.Box 12157, Austin, TX 78711, (800)803-9202, (512)463-6599; website: [www.license.state.tx.us/complaints](http://www.license.state.tx.us/complaints)

*Project: Williams Lift Station*

*Location: Corpus Christi*

The following plan is submitted for approval as alternative to continue construction and bring the lift station online.

- Install two new 4160v VFDs (P1 & P2) at existing motor locations. Connect new VFD to existing conduit and wiring feeding existing motors. Provide wire extensions and replacement as needed. New VFDS will connect to two (2) still functioning existing switches in existing 4160v lineup. Existing switches will serve as load interrupters only.
  - Utilize Eaton Field Service group for any modifications necessary to existing 4160V lineup
  - If possible, remove last section of existing 4160v line up. Will install New VFD (P4) at this location
- Install new 4160 Pump connection boxes. Provide temporary connections to box from new VFD. Install conduit down to new pump locations
- Install new Panelboard in lieu of new MCC. Provide a temporary standalone VFD 480V for the Jockey Pump. Connect new Panelboard to existing conduit and wiring serving existing MCC.
- Demo existing MCC, Pump Control Panels and low voltage panel
- Install new transformer and new low voltage panel
- Install all new branch conduit and wiring, light fixtures and devices
- Install new SCADA and control systems
- Install all conduit from loads to area adjacent to new 4160v Line Up
- Install all conduit from generator and pad mount transformers to area adjacent to new 4160v line up
- Test all control systems and VFD's
- Bring two (2) new pumps and new Jockey pump on line

New 4160V line arrival

- Install new 4160v lineup and tie in all conduits and wiring.
- Bring New Lineup and P4 VFD online.
- Move new Panelboard to permanent service T3
- Shutdown existing AEP service and Demo existing 4160v Line up
- Install new P3 VFD and connect conduit and wiring
- Move new P1 and P2 VFDs into permanent position and connect conduit and wiring

Respectfully,

Randall Eulenfeld.

Vice President

E-mail: [Randall@CWCampbellElectric.com](mailto:Randall@CWCampbellElectric.com)



## CHANGE ORDER

<b>TO:</b>	<b>COCC</b>		<b>PCO #</b>	<b>08</b>
	Brian Wik, PE		<b>DATE</b>	4/14/2024
			<b>PROJECT NAME</b>	Williams LS
			<b>PROJECT #</b>	1502/21143

### Temp Power

<b>Cost Summary:</b>	Material	\$	2,099.00
	Subcontract	\$	48,059.00
	Labor	\$	17,375.20
	Subsistence	\$	1,130.71
	Equipment	\$	-
	General Conditions	\$	60.00
	Profit	\$	5,502.69
	Bond	\$	1,484.53
	<b>Total</b>	<b>\$</b>	<b>75,711.14</b>
<b>Days Required</b>			<b>0</b>

If you have any questions, feel free to contact me at (512) 845-2665.

Sincerely,

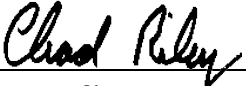

**Chad Riley, Project Manager**

Associated Construction Partners, Ltd.

215 W Bandera Rd., Ste. 114-461

Boerne, TX 78006

210-698-8714

 Contractor Signature	<b>4/22/24</b> Date
 Victor Vargas	<small>Digitally signed by Victor Vargas Date: 2024.04.16 14:34:49 -05'00'</small>
_____ Engineer Signature	_____ Date
_____ Owner Signature	_____ Date



## Notes

The purpose of the PCO is to provide temporary power as a result of the new electrical gears current delivery date of Nov. 2024. This temporary plan will be in use from when the pump and piping modifications are complete until the new gear is delivered.

## Inclusions

Install two new VFDs at temporary location.  
Connect drives to existing conduit and wiring feeding existing motors.  
Provide wire extensions and replacement as needed.  
VFDs will connect to two still functioning switches in existing med voltage line up.  
Install new panelboard in lieu of MCC  
Test all controls systems and VFDs

## Exclusions



**Materials**

Material	Unit	Qty	UNIT COST	Total
Lumber, insulation and fastners	ls	1.0	\$ 1,200.00	\$ 1,200.00
AC window unit	ls	1.0	\$ 899.00	\$ 899.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -

<b>Subtotals</b>			<b>\$ 2,099.00</b>
	<b>Tax</b>	<b>0.00%</b>	\$ -
	<b>Material Overhead &amp; Profit</b>	<b>15%</b>	\$ 314.85
	<b>Bid Bond</b>	<b>2%</b>	\$ 48.28
<b>Grand Total</b>			<b>\$ 2,462.13</b>

**Subcontract**

Description	Unit	Qty	UNIT COST	Total
C.W. Campberll Electric	ls	1	\$ 48,059.00	\$ 48,059.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -

<b>Subtotals</b>			<b>\$ 48,059.00</b>
	<b>Tax</b>	<b>0.00%</b>	\$ -
	<b>Sub Markup %</b>	<b>5%</b>	\$ 2,402.95
	<b>Bid Bond</b>	<b>2%</b>	\$ 1,009.24
<b>Grand Total</b>			<b>\$ 51,471.19</b>



### Labor Calculation

Lobor Description	# Emp	Days	UNIT COST		TOTAL COST			Total
			Daily Rate	Burden (%)	Labor Cost	Overtime (hr)	Total Overtime	
Supervision	1	8	\$ 467.28	35%	\$ 5,046.62	2.0	\$ 2,523.31	\$ 7,571.94
Project Manager	1	3	\$ 580.56	35%	\$ 2,351.27	0.0	\$ -	\$ 2,351.27
Skilled Labor	1	8	\$ 216.00	35%	\$ 2,332.80	2.0	\$ 1,166.40	\$ 3,499.20
General Labor	2	8	\$ 183.00	35%	\$ 3,952.80	0.0	\$ -	\$ 3,952.80
Equipment Operator	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
Pipe Layer	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
Piping/Mechanical	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
Welder/Mechanic	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
<b>Subtotals</b>					<b>\$ 13,683.49</b>		<b>\$ 3,689.71</b>	<b>\$ 17,375.20</b>
					<b>Overhead &amp; Profit</b>		<b>15%</b>	<b>\$ 2,606.28</b>
					<b>Bid Bond</b>		<b>2%</b>	<b>\$ 399.63</b>
					<b>Grand Total</b>			<b>\$ 20,381.11</b>

### Substance

Equipment Description	# Emp	Days	UNIT COST		TOTAL COST			Total
			PerDeim (Daily)	Fuel (Weekly)	PerDeim	Fuel	Hotels	
Supervision	1	5	\$ 25.00	\$ 100.00	\$ 125.00	\$ 71.43	\$ 115.00	\$ 311.43
Project Manager	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Skilled Labor	1	5	\$ 25.00	\$ 100.00	\$ 125.00	\$ 71.43	\$ 115.00	\$ 311.43
General Labor	2	5	\$ 25.00	\$ 100.00	\$ 250.00	\$ 142.86	\$ 115.00	\$ 507.86
Equipment Operator	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Pipe Layer	0	4	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Piping/Mechanical	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Welder/Mechanic	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Subtotals</b>					<b>\$ 500.00</b>	<b>\$ 285.71</b>	<b>\$ 345.00</b>	<b>\$ 1,130.71</b>
					<b>Tax</b>		<b>0.00%</b>	<b>\$ -</b>
					<b>Overhead &amp; Profit</b>		<b>15%</b>	<b>\$ 169.61</b>
					<b>Bid Bond</b>		<b>2%</b>	<b>\$ 26.01</b>
					<b>Grand Total</b>			<b>\$ 1,326.33</b>





**Equipment Calculation**

Equipment Description	# Equip	Days	UNIT COST		TOTAL COST			Total
			Daily Rate	Fuel Rate	Equip Cost	Delivery	Pick Up	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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			<b>Subtotals</b>		\$ -	\$ -	\$ -	\$ -
						<b>Tax</b>	<b>0.00%</b>	\$ -
						<b>Overhead &amp; Profit</b>	<b>15%</b>	\$ -
						<b>Bid Bond</b>	<b>2%</b>	\$ -
			<b>Grand Total</b>					<b>\$ -</b>

**General Conditions**

Description	Unit	Days	UNIT COST		TOTAL			
			Daily Rate	Fuel Rate	Equip Cost	Delivery	Pick Up	
Port a potty	1	5	\$ 12.00		\$ 60.00			
			\$ -		\$ -			
			\$ -		\$ -			
			\$ -		\$ -			
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			\$ -		\$ -			
			\$ -		\$ -			
			<b>Subtotals</b>		\$ 60.00			
						<b>Tax</b>	<b>0.00%</b>	\$ -
						<b>Overhead &amp; Profit</b>	<b>15%</b>	\$ 9.00
						<b>Bid Bond</b>	<b>2%</b>	\$ 1.38
			<b>Grand Total</b>					<b>\$ 70.38</b>

**REQUEST FOR INFORMATION**

B-N5, +OCDs



RFI #	28
DATE	4/23/2024
DATE NEEDED BY	ASAP
PROJECT NAME	Citywide LS (Williams)
PROJECT NUMBER	21143 / ACP 1502

TO:	Burl Ritchie, Inspector
	City of Corpus Christi

**RFI DESCRIPTION**

42" Force Main;  
Does the City want pricing for the 42" FM as noted in the new plan sheets provided by Urban Engineering?

SUBMITTED BY: Rachel Fitchett | DATE: 4/23/2024

**RESPONSE TO RFI**

Yes please. The City will need pricing for the installing of the New 42" FM at the Williams Lift Station.  
Burl Ritchie 4-23-2024

RESPONSE BY: *Burl Ritchie* | DATE: 4-23-2024



## CHANGE ORDER

<b>TO:</b>	<b>COCC</b>		<b>PCO #</b>	<b>9 - Rev4</b>
	Brian Wik, PE		<b>DATE</b>	4/30/2024
			<b>PROJECT NAME</b>	Williams LS
			<b>PROJECT #</b>	1502/21143

### 42" FM - Subtract Wey Valve

<b>Cost Summary:</b>	Material	\$	254,044.91
	Subcontract	\$	31,350.00
	Labor	\$	110,186.95
	Substance	\$	9,087.14
	Equipment	\$	142,670.00
	General Conditions	\$	360.00
	Profit & Bond	\$	79,019.85
	<b>Total</b>	<b>\$</b>	<b>626,718.85</b>
<b>Days Required</b>		<b>35</b>	

If you have any questions, feel free to contact me at 512-845-2665

Sincerely,

**Chad Riley, Project Manager**

Associated Construction Partners, Ltd.

215 W Bandera Rd., Ste. 114-461

Boerne, TX 78006

210-698-8714

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Engineer Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner Signature

\_\_\_\_\_  
Date



**Notes**

**Inclusions**

An additional 30 days of bypass is included in this change order.

**Exclusions**

Groundwater mitigation is excluded. If groundwater is found during the course of excavation, additional shoring and groundwater mitigation will be required.



**Materials**

Material	Unit	Qty	UNIT COST	Total
Pipe and Fittings	LS	1.0	\$ 251,244.91	\$ 251,244.91
Wey Valve	LS	0.0	\$ 167,225.00	\$ -
Bedding	tons	80.0	\$ 35.00	\$ 2,800.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
<b>Subtotals</b>				<b>\$ 254,044.91</b>
				<b>Tax 0.00%</b> \$ -
				<b>Material Overhead &amp; Profit 15%</b> \$ 38,106.74
				<b>Bid Bond 0%</b> \$ -
<b>Grand Total</b>				<b>\$ 292,151.65</b>

**Subcontract**

Description	Unit	Qty	UNIT COST	Total
Fusion Tech	day	3	\$ 3,100.00	\$ 9,300.00
Fusion Machine Freight , Corona, CA	LS	1	\$ 12,000.00	\$ 12,000.00
Fusion Tech Mob	LS	1	\$ 450.00	\$ 450.00
Pavement repair	SF	800	\$ 12.00	\$ 9,600.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
<b>Subtotals</b>				<b>\$ 31,350.00</b>
				<b>Tax 0.00%</b> \$ -
				<b>Sub Markup % 5%</b> \$ 1,567.50
				<b>Bid Bond 0%</b> \$ -
<b>Grand Total</b>				<b>\$ 32,917.50</b>



B-N5, +OCDs

**Labor Calculation**

Labor Description	# Emp	Days	UNIT COST		TOTAL COST			Total
			Daily Rate	Burden (%)	Labor Cost	Overtime (hr)	Total Overtime	
Supervision	1	40	\$ 467.28	35%	\$ 25,233.12	2.0	\$ 12,616.56	\$ 37,851.68
Project Manager	1	3	\$ 580.56	35%	\$ 2,351.27	0.0	\$ -	\$ 2,351.27
Skilled Labor	4	40.0	\$ 216.00	35%	\$ 46,656.00	2.0	\$ 23,328.00	\$ 69,984.00
General Labor	0	0	\$ 183.00	35%	\$ -	0.0	\$ -	\$ -
Equipment Operator	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
Pipe Layer	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
Piping/Mechanical	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
Welder/Mechanic	0	0	\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
			\$ -	35%	\$ -	0.0	\$ -	\$ -
<b>Subtotals</b>					<b>\$ 74,240.39</b>	<b>\$ 35,944.56</b>	<b>\$ 110,186.95</b>	
					<b>Overhead &amp; Profit</b>	<b>15%</b>	<b>\$ 16,528.04</b>	
					<b>Bid Bond</b>	<b>0%</b>	<b>\$ -</b>	
					<b>Grand Total</b>			<b>\$ 126,714.99</b>

**Substance**

Equipment Description	# Emp	Days	UNIT COST		TOTAL COST			Total
			PerDeim (Daily)	Fuel (Weekly)	PerDeim	Fuel	Hotels	
Supervision	1	40	\$ 30.00	\$ 100.00	\$ 1,200.00	\$ 571.43	\$ 115.00	\$ 1,886.43
Project Manager	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Skilled Labor	4	40	\$ 30.00	\$ 100.00	\$ 4,800.00	\$ 2,285.71	\$ 115.00	\$ 7,200.71
General Labor	0	0	\$ 30.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Equipment Operator	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Pipe Layer	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Piping/Mechanical	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
Welder/Mechanic	0	0	\$ -	\$ 100.00	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Subtotals</b>					<b>\$ 6,000.00</b>	<b>\$ 2,857.14</b>	<b>\$ 230.00</b>	<b>\$ 9,087.14</b>
					<b>Tax</b>	<b>0.00%</b>	<b>\$ -</b>	
					<b>Overhead &amp; Profit</b>	<b>15%</b>	<b>\$ 1,363.07</b>	
					<b>Bid Bond</b>	<b>0%</b>	<b>\$ -</b>	
					<b>Grand Total</b>			<b>\$ 10,450.21</b>



**Equipment Calculation**

Equipment Description	# Equip	Days	UNIT COST		TOTAL COST			Total	
			Daily Rate	Fuel Rate	Equip Cost	Delivery	Pick Up		
Shoring	1	30	\$ 279.00	\$ -	\$ 8,370.00	\$ 250.00	\$ 250.00	\$ 8,870.00	
Mid Size Excavator	1	30	\$ 179.00	\$ -	\$ 5,370.00	\$ -	\$ -	\$ 5,370.00	
Forklift	1	30	\$ 323.00	\$ -	\$ 9,690.00	\$ -	\$ -	\$ 9,690.00	
Bypass System	1	30	\$ 3,958.00	\$ -	\$ 118,740.00	\$ -	\$ -	\$ 118,740.00	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Subtotals</b>						<b>\$ 142,170.00</b>	<b>\$ 250.00</b>	<b>\$ 250.00</b>	<b>\$ 142,670.00</b>

<b>Tax</b>	<b>0.00%</b>	\$ -
<b>Overhead &amp; Profit</b>	<b>15%</b>	\$ 21,400.50
<b>Bid Bond</b>	<b>0%</b>	\$ -

<b>Grand Total</b>	<b>\$ 164,070.50</b>
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**General Conditions**

Description	Unit	Days	UNIT COST	TOTAL
Port a potty	30	30	\$ 12.00	\$ 360.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
<b>Subtotals</b>				<b>\$ 360.00</b>

<b>Tax</b>	<b>0.00%</b>	\$ -
<b>Overhead &amp; Profit</b>	<b>15%</b>	\$ 54.00
<b>Bid Bond</b>	<b>0%</b>	\$ -

<b>Grand Total</b>	<b>\$ 414.00</b>
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