



To: Chris Lagerbloom, City Manager  
From: Raj Verma, Director – Public Works  
Date: June 1, 2021  
Re: Change Order No. 1 for Project #12484

Job Description: Project 12484, Refurbishment of Fiveash WTP 5 MG Steel Tank (North)  
Contractor: Southern Road and Bridge, LLC  
Amount: Total amount of Change Order # 1 \$193,211.96, plus 28 additional calendar days  
Funding: P12484.454

The purpose of this Change Order is:

During draining of the tank, the existing 36-inch butterfly valve, which shuts off flow to the tank, was found not to be functioning properly, as a result the tank cannot be fully drained. The work cannot continue until the tank is empty and dry. A temporary inflatable plug will be installed on the influent 36-inch pipe to prevent water entering the tank, a backup plug will be provided for redundancy. Bypass piping will also be provided on the influent line to relieve pressure on the plug. The 36-inch pipe will be excavated to confirm dimensions to order parts for the installation of the new 36-inch gate valve.

**NEW AND EXISTING CONTRACT ITEMS ARE UTILIZED – TOTAL ADDITIVE COST \$193,211.96**

Item No. CO-1-1 Add New Line Item 6 – Furnish and Install 36-inch plugs  
Add quantity to line item 6 – 1 Lump Sum  
**ADD (1 LS X \$19,442.16) = \$19,422.16**

Item No. CO-1-2 Add New Line item 7 – Furnish and Install Bypass Piping and 36” Gate Valve  
Add quantity to line item 7 – 1 Lump Sum  
**ADD (1 LS X 173,789.80) = 173,789.80**

**NET AMOUNT OF THIS CHANGE ORDER \$193,211.96**

**ADDITIONAL CONTRACT TIME BEING REQUESTED– TWENTY-EIGHT (28) CALENDAR DAYS**





**THE TOTAL AMOUNT OF THIS CHANGE ORDER**

**\$193,211.96**



CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida

By: \_\_\_\_\_  
CHRISTOPHER J. LAGERBLOOM  
City Manager

Date: \_\_\_\_\_

(CORPORATE SEAL)

ATTEST:

By: \_\_\_\_\_  
JEFFREY A. MODARELLI  
City Clerk

Approved as to Legal Form:  
Alain E. Boileau, City Attorney

By: \_\_\_\_\_  
RHONDA MONTTOYA HASAN  
Assistant City Attorney

This Change Order provides for all costs and schedule adjustments associated with completing the work, including materials, labor, equipment, bond, insurance, overhead, profit, impacts, and any and all related items or associated costs incurred or resulting from the items listed above, and is provided in accordance with Article 13 – Changes in the Work of the Contract.

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written below.

**CONTRACTOR**

WITNESSES:

SOUTHERN ROAD & BRIDGE, LLC, a Florida Limited Liability Company

Anastasia Mellios  
Anastasia Mellios  
Print Name

By: [Signature]  
Lucas Pappas, Manager

[Signature]  
Kari Begon  
Print Name

(CORPORATE SEAL)

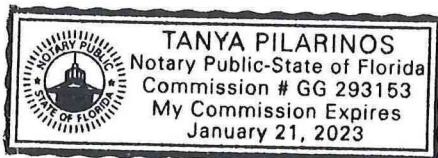


STATE OF FLORIDA:  
COUNTY OF Pinellas :

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization, this 18<sup>th</sup> day of May, 2021, by Lucas Pappas as Manager for Southern Road & Bridge, LLC, a Florida Limited Liability Company.

SEAL

[Signature]  
Notary Public, State of Florida  
(Signature of Notary Public)



Tanya Pilarinos  
(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally Known  OR Produced Identification \_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_



**CHANGE ORDER SUMMARY SHEET**

ORIGINAL CONTRACT AMOUNT	\$923,000
COST OF CHANGE ORDERS TO DATE	\$0.00
COST OF THIS CHANGE ORDER	\$193,211.96
<b>TOTAL:</b>	<b>1,116,211.96</b>
ORIGINAL CONTRACT TIME	150 calendar days
TIME ADDED TO DATE	0 calendar days
TIME ADDED TO THIS CHANGE ORDER	28 calendar days
<b>TOTAL:</b>	<b>178 calendar days</b>

**SCHEDULE OF CHANGE ORDERS TO DATE**

C.O.#	DATE	DESCRIPTION	AMOUNT OF COST OR CREDIT
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**12484 - Fiveash 5 MG Tank  
CO #1 - 1 : Furnish and Install 36" Plug**

<b>Labor - 14.1.1</b>	<b>Rate</b>	<b>Labor Burden</b>	<b>Hours</b>	<b>Cost</b>
Laborer 1	\$20.00	57.00%	8	\$251.20
Laborer 2	\$45.00	57.00%	8	\$565.20
Laborer 3	\$50.00	57.00%	8	\$628.00
Laborer 4	\$50.00	57.00%	8	\$628.00
Laborer 5	\$50.00	57.00%	8	\$628.00
Laborer 2 Overtime	\$67.50	57.00%	24	\$2,543.40
Laborer 2 Overtime	\$75.00	57.00%	24	\$2,826.00
Laborer 2 Overtime	\$75.00	57.00%	24	\$2,826.00
<b>Subtotal</b>				<b>\$10,895.80</b>
Bond Cost 1.5%				\$163.44
Profit 5%				\$544.79
<b>Total</b>				<b>\$11,604.03</b>

<b>Equipment and Materials 14.1.2</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
36-Inch Plug	\$ 2,316.00	2	\$ 4,632.00
36- Inch Plug Shipping	\$ 2,282.00	1	\$2,282.00
<b>Subtotal</b>			<b>\$ 6,914.00</b>
Bond Cost 1.5%			\$ 103.71
Profit 5%			\$ 345.70
<b>Total</b>			<b>\$ 7,363.41</b>

<b>Supplemental Costs - 14.1.3</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
Air Compressor Rental	\$448.00	1	\$ 448.00
<b>Subtotal</b>			<b>\$ 448.00</b>
Bond Cost 1.5%			\$ 6.72
<b>Total</b>			<b>\$ 454.72</b>

<b>Grand Total</b>	<b>\$ 19,422.16</b>
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**12484 - Fiveash 5 MG Tank**  
**CO #1 - 2 : Furnish and Install Bypass Piping and 36" Gate Valve**

Subcontractor - 14.5.2 (Subcontractors breakdown attached)	Quantity	Units	Cost
Part 1 - Proposal to Reroute Leaking Valve(s) Flows into Clarifier at the Water Plant.	1.0	LS	\$11,740.03
Part 2 - Verificiation and Material Procurement	1.0	LS	\$28,871.44
Part 3A - Proposal for Five-Ash Water Plant 36-INCH PCCP Flange Gate Valve Cut-Int	1.0	LS	\$22,571.44
Part 3B - FIVEASH 36" PCCP Valve Installation (in-the-wet)***	1.0	NTE	\$100,000.00
<b>Subtotal</b>			<b>\$163,182.91</b>
Bond Cost 1.5%			\$2,447.74
Profit 5%			\$8,159.15
<b>Total</b>			<b>\$173,789.80</b>

\*\*\* - This is an estimate for 36" Gate Valve, PCCP Adapters, Ductile Iron and other Misc. materials. Actual cost will be known after Part 2 is complete with a maximum cost of \$100,000.



DAVID MANCINI & SONS, INC.

1210 Washington Ave, Suite 250. Miami Beach, FL 33131
PH: (305) 532-8827 FAX: (305) 532-8835

1939 NW 40th Ct. Pompano Beach, FL 33064
PH: (954) 977-3556 FAX: (954) 944-2040

RFP: PART 1: Proposal to Reroute Leaking Valve(s) Flows into Clarifier at the Water Plant.

PROJECT #:
CONTRACTOR:
Date: 5/24/2021

PART 1: Proposal to Mobilize Remove, Rotate, and Reinstall Existing 16inch Flange 90 Bend W 6-inch Outlet for 6-Inch Vent Discharge to Clarifier Near Tank. Such will facilitate an Open Discharge of Leaking Valve(s) into Clarifier to allow for GC to install air ball inside Water Tank & perform their work inside the Water Tank. DMSI is unaware if the Clarifier will take all discharge from leaking valves. It is possible that during this work the area surrounding the 16-Inch Bypass Piping to flood out until Vent Piping goes operational into the Clarifier. DMSI will install a flow meter on 6-Inch Vent Discharge Piping to determine weather or not leaking valve flow rate is manageable to cut-in 36-Inch Flange Gate Valve. Should flow rate be a managable leak, Move to Part 2 and 3 of this Proposal. This proposal also includes troubleshooting and assisting Operations to attempt to get a kill via existing Valves.

SUMMARY OF FEES

Table with 2 columns: Description and Amount. Rows include DMSI Labor and Equipment Costs (\$6,614.32), Subcontractor, Materials, and Misc Costs (\$5,125.71), and TOAL LUMP SUM PROPOSAL (\$11,740.03).

PAYMENT TERMS

Table with 2 columns: Description and Amount. Rows include 40% UP FRONT (\$4,696.01), 60% UPON COMPLETION OF WORK (\$7,044.02), and TOAL LUMP SUM PROPOSAL (\$11,740.03).



RFP - DIRECT COST BREAKDOWN - LABOR & EQUIPMENT

Description of Work:

PART 1: Proposal to Reroute Leaking Valve(s) Flows into Clarifier.

Total Labor and Equipment Required to install 6-Inch Vent Piping into Clarifier.

A.- Labor Requirements Description	Name	Qty	Crew Time: 10		Equipment Time 10		Amount
			DMSI Rate/Hr	TTL (Hrs)	CLASS (Hrs)	OT (Hrs)	
Superintendent		1	\$ 65.00	5			\$ 325.00
Working Foreman		1	\$ 47.50	5			\$ 237.50
Oper - Excavator		1	\$ 29.00	10			\$ 290.00
Oper - Loader		1	\$ 24.50	10			\$ 245.00
Pipelaye		1	\$ 24.00	10			\$ 240.00
Pipelaye		1	\$ 20.00	10			\$ 200.00
Laborer		1	\$ 15.00	10			\$ 150.00
Driver - Dump Tuck		1	\$ 23.00	10			\$ 230.00
Pipe Welder		1	\$ 52.50	10			\$ 525.00
Fuel Truck Driver		1	\$ 23.00	0			\$ -
<i>Sub-Total</i>							\$ 2,442.50
<i>Labor Burden: 75.27%</i>							\$ 1,838.47
<i>Labor W/ Burden</i>							\$ 4,280.97
<i>Mark-Up 5%</i>							\$ 214.05
<b>TOAL LABOR</b>							<b>\$ 4,495.02</b>

B.-Equipment Requirements Owned Equipment Description	Qty	FHWA RATE	HOURS	Amount
Air Compressor- 375	1	\$ 20.00		\$ -
BUCKET - 24" CAT 335	1	\$ 4.00		\$ -
Cement Mixer	1	\$ 16.74		\$ -
Combination- 420	1	\$ 47.31		\$ -
Excavator - Cat 335	1	\$ 165.77		\$ -
GENERATOR	1	\$ 15.00		\$ -
Loader - Deere 624	1	\$ 71.42	10	\$ 714.20
Pump - Trash	1	\$ 39.11		\$ -
Roller - Trench	1	\$ 30.65		\$ -
SAW - CONCRETE/CHAIN	1	\$ 25.00		\$ -
Trench Box 28'	1	\$ 8.95		\$ -
Trench Jack	2	\$ 1.28		\$ -
Truck- Flatbed	1	\$ 27.65		\$ -
Truck- Foreman/Super	2	\$ 23.59	10	\$ 471.80
Truck- Lowboy Tractor	1	\$ 77.24		\$ -
Truck- Lowboy Trailer	1	\$ 35.07		\$ -
Truck- Mechanic	1	\$ 21.90		\$ -
Truck- Mechanic (Crane)	1	\$ 6.90		\$ -
Truck- Mechanic (Welder)	1	\$ 6.95		\$ -
Truck- Rear Dump	1	\$ 80.56	10	\$ 805.60
Truck- Rear Dump Trailer	1	\$ 12.77	10	\$ 127.70
<i>Sub Total:</i>				\$ 2,119.30
<i>Allowable Mark Up: 0%</i>				\$ -
<b>TOTAL EQUIPMENT</b>				<b>\$ 2,119.30</b>

**TOTAL LABOR AND EQUIPMENT \$ 6,614.32**

RFP - DIRECT COST BREAKDOWN - MATERIAL, SUB, & MISC.

Description of Work: **PART 1: Proposal to Reroute Leaking Valve(s) Flows into Clarifier.**

Material, Subcontractor, and Misc. Costs.

**C.-Material**

Description	Qty	Unit	Rate (w/Tax)	Amount
36" PCCP Bell & Spigot Adapters	2	EA	TBD	TBD
36" FLANGE x FLANGE PLUG VALVE	1	EA	TBD	TBD
36" DIP or PCCP REPLACEMENT	1	LS	TBD	TBD
<i>Sub Total</i>				\$ -
<i>Allowable Mark Up: 5%</i>				TBD
<b>Total Materials:</b>				<b>\$ -</b>

**D.-Subcontractor Requirements**

Subcontractor	Qty	Unit	Rate (w/Tax)	Amount
				\$ -
				\$ -
<i>Sub Total</i>				\$ -
<i>Allowable Mark Up 5%</i>				\$ -
<b>Total Subcontractor:</b>				<b>\$ -</b>

**E.- Misc. Requirements**

Description - RENTAL EQUIP	Qty	Unit	QTY	Rate (w/Tax)	Amount
UNITED - 6" DISCHARGE HOSE	2.00	MO	5	\$ 187.63	\$ 1,876.31
UNITED - MISC FITTINGS	2.00	MO	1	\$ 178.22	\$ 356.44
UNITED - FLOW METER	2.00	MO	1	\$ 1,296.49	\$ 2,592.97
UNITED - DELIVER & PICKUP	2.00	EA	1	\$ 150.00	\$ 300.00
<b>Total Misc. Requirements.</b>					<b>\$ 5,125.71</b>
<i>Subtotal:</i>					\$ 5,125.71
<i>Additional Bond Premium 2%:</i>					excluded
<b>Material Sub, and Misc. (GRAND TOTAL) :</b>					<b>\$ 5,125.71</b>

EXCLUDING ADAPTERS, VALVE, AND REPLACEMENT PIPING. PRICING TBD



BRANCH 139  
280 NW 12TH AVE.  
POMPANO BEACH FL 33069  
954-532-3732

Job Site

FIVE ASH TREATMENT PLANT  
949 NW 38TH STREET  
OAKLAND PARK FL 33309-5920

Office: 954-977-3556 Cell: 754-264-9594

DAVID MANCINI & SONS  
2601 WILES RD  
POMPANO BEACH FL 33073-3072

Customer # : 3024456  
Reserved Date : 05/10/21  
Scheduled Out : 05/11/21 04:00 PM  
Estimated In : 06/07/21 04:00 PM  
UR Job Loc : 949 NW 38TH STREET,  
UR Job # : 43  
Customer Job ID:  
P.O. # :  
Ordered By : DAVE  
Written By : JIM ANGULO  
Salesperson : JIM ANGULO

**This is not an invoice  
Please do not pay from this document**

RENTAL ITEMS:							
Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt.
5	537/2930	HOSE 6X20 RUBBER SUCTION - QC		51.25	101.32	177.01	885.05
1	545/1111	MISC FITTINGS 6 INCH CAMLOCK MALE X BAUER FEMALE	28.01	28.01	56.02	168.13	168.13
1	523/1106	FLOW METER MAGNETIC 6"	195.68	195.68	489.23	1,223.10	1,223.10
Rental Subtotal:							2,276.28
SALES/MISCELLANEOUS ITEMS:							
Qty	Item		Price		Unit of Measure		Extended Amt.
1	DELIVERY CHARGE		150.000		EACH		150.00
1	PICKUP CHARGE		150.000		EACH		150.00
Sales/Misc Subtotal:							300.00
Agreement Subtotal:							2,576.28
Tax:							159.34
Estimated Total:							2,735.62

COMMENTS/NOTES:

CONTACT: DAVE  
CELL#: 754-264-9594



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PH: (954) 977-3556 FAX: (954) 944-2040

RFP: PART 2: Verificiation and Material Procurement

PROJECT #:

CONTRACTOR:

Date: 5/24/2021

PART 2: Proposal to Mobilize, Excavate, Expose, and Shore to verify existing PCCP Joints and Fittings adjacent to water tank. Design and Release parts for 36-inch Direct-Bury Flanged Gate Valve. Remove section of PCCP without damaging existing bell and spigot including torching, chipping, and welding in strict accordance with manufacturers reccomendations as required. SEE PROPOSAL PART 2 TO FOLLOW. PROPOSAL TERMS: This proposal excludes only; Permitting and Utility Relocations if required. This proposal assumes any dewatering of the leaking valve into the neary by tank at ground level. This propsoal excludes estimated \$100K additional cost line-stops as Contrator has verified the work can be done in-the-wet by managing the leaking valves flows. This proposal currently excludes all MATERIALS including but not limited to PCCP adapters, fittings, valve, and replacement piping. We will provide pass-thru cost with 5% Markup immediately upon reciept.

SUMMARY OF FEES

Table with 2 columns: Description and Amount. Rows include DMSI Labor and Equipment Costs (\$22,571.44), Subcontractor, Materials, and Misc Costs (\$6,300.00), and TOAL LUMP SUM PROPOSAL (\$28,871.44).

PAYMENT TERMS

Table with 2 columns: Description and Amount. Rows include 40% UP FRONT (\$11,548.58), 60% UPON COMPLETION OF WORK (\$17,322.86), and TOAL LUMP SUM PROPOSAL (\$28,871.44).

**RFP - DIRECT COST BREAKDOWN**

**Description of Work:**

**Part 2: Verification & Material Procurement.**

Total Labor and Equipment Required to verify existing joints & order materials for an in-line direct bury 36" Flange Gate Valve.

A.- Labor Requirements Description	Qty	DMSI Rate/Hr	Crew Time:	TTL (Hrs)	Equipment Time	Amount
			33		CLASS (Hrs)	
Superintendent	1	\$ 65.00		16		\$ 1,040.00
Working Foreman	1	\$ 47.50		16		\$ 760.00
Oper - Excavator	1	\$ 29.00		33		\$ 957.00
Oper - Loader	1	\$ 24.50		33		\$ 808.50
Pipelayer	1	\$ 24.00		33		\$ 792.00
Pipelayer	1	\$ 20.00		33		\$ 660.00
Laborer	1	\$ 15.00		33		\$ 495.00
Driver - Dump Tuck	1	\$ 23.00		33		\$ 759.00
Pipe Welder	1	\$ 52.50		33		\$ 1,732.50
Feul Truck Driver	1	\$ 23.00		6		\$ 138.00
<i>Sub-Total</i>						\$ 8,142.00
<i>Labor Burden: 75.27%</i>						\$ 6,128.48
<i>Labor W/ Burden</i>						\$ 14,270.48
<i>Mark-Up 5%</i>						\$ 713.52
<b>TOAL LABOR</b>						<b>\$ 14,984.01</b>

B.-Equipment Requirements Owned Equipment Description	Qty	FHWA RATE	HOURS	Amount
Air Compressor- 375	1	\$ 20.00	13	\$ 260.00
BUCKET - 24" CAT 335	1	\$ 4.00	13	\$ 52.00
Cement Mixer	1	\$ 16.74	13	\$ 217.62
Combination- 420	1	\$ 47.31	13	\$ 615.03
Excavator - Cat 335	1	\$ 165.77	13	\$ 2,155.01
GENERATOR	1	\$ 15.00	13	\$ 195.00
Loader - Deere 624		\$ 71.42	13	\$ -
Pump - Trash	1	\$ 39.11	13	\$ 508.43
Roller - Trench	1	\$ 30.65	13	\$ 398.45
SAW - CONCRETE/CHAIN	1	\$ 25.00	13	\$ 325.00
Trench Box 28'	1	\$ 8.95	13	\$ 116.35
Trench Jack	2	\$ 1.28	13	\$ 33.28
Truck- Flatbed	1	\$ 27.65	3	\$ 82.95
Truck- Foreman/Super	2	\$ 23.59	13	\$ 613.34
Truck- Lowboy Tractor	1	\$ 77.24	3	\$ 231.72
Truck- Lowboy Trailer	1	\$ 35.07	3	\$ 105.21
Truck- Mechanic	1	\$ 21.90	13	\$ 284.70
Truck- Mechanic (Crane)	1	\$ 6.90	13	\$ 89.70
Truck- Mechanic (Welder)	1	\$ 6.95	13	\$ 90.35
Truck- Rear Dump	1	\$ 80.56	13	\$ 1,047.28
Truck- Rear Dump Trailer	1	\$ 12.77	13	\$ 166.01
<i>Sub Total:</i>				\$ 7,587.43
<i>Allowable Mark Up: 0%</i>				\$ -
<b>TOTAL EQUIPMENT</b>				<b>\$ 7,587.43</b>

**TOTAL LABOR AND EQUIPMENT \$ 22,571.44**

MILE HIGH Description	SHIFT #	HRS
Mobilize Equipment and Crews	0.30	3
Excavate, Expose & Shore 36" PCCP	1	10
Chip and Remove 36" PCCP Joint (includes chipping and torching of Snap Ring Joint(s) saving existing bell & Spigot. To Confirm and Order Parts	1	10
Fabricate/Build a bypass pipe for leaking valve flows into nearby tank	1	10
EST LEAD TIME FOR PARTS	15	0
Install New PCCP Adapters w DIP or New PCCP Throughout (including 1 each 36" Flange x Flange Gate Valve Direct Bury)	2	20
Restoration/Backfill (excluding Sod)	1	10
Demobilization	0.30	3

33 total estimated hours

RFP - DIRECT COST BREAKDOWN

Description of Work: **Part 2: MATERIAL, SUB, AND MISC. COSTS**

Material, Subcontractor, and Misc. Costs.

**C.-Material**

Description	Qty	Unit	Rate (w/Tax)	Amount
36" PCCP Bell & Spigot Adapters	2	EA	TBD	TBD
36" FLANGE x FLANGE PLUG VALVE	1	EA	TBD	TBD
36" DIP or PCCP REPLACEMENT	1	LS	TBD	TBD
<i>Sub Total</i>				\$ -
<i>Allowable Mark Up: 5%</i>				TBD
<b>Total Materials:</b>				<b>\$ -</b>

**D.-Subcontractor Requirements**

Subcontractor	Qty	Unit	Rate (w/Tax)	Amount
Wire-Line Subcontractor to cut PCCP	1	LS	\$ 6,000.00	\$ 6,000.00
<i>Sub Total</i>				\$ 6,000.00
<i>Allowable Mark Up 5%</i>				\$ 300.00
<b>Total Subcontractor:</b>				<b>\$ 6,300.00</b>

**E.- Misc. Requirements**

Description	Qty	Unit	Rate (w/Tax)	Duration	Amount
<b>Total Misc. Requirements.</b>					<b>\$ -</b>
<i>Subtotal:</i>					\$ 6,300.00
<i>Additional Bond Premium 2%:</i>					\$ -
<b>Material Sub, and Misc. (GRAND TOTAL) :</b>					<b>\$ 6,300.00</b>

EXCLUDING ADAPTERS, VALVE, AND REPLACEMENT PIPING. PRICING TBD



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**RFP: PART 3: Proposal for Five-Ash Water Plant 36-INCH PCCP Flange Gate Valve Cut-Int**

PROJECT #:

CONTRACTOR:

Date: 5/24/2021

**PART 3:** Install replacement pipe (TBD if PCCP or DIP) including 36" Flange Gate Valve. Backfilling, Restoration, and Grading (excluding Sod).  
PROPOSAL TERMS: This proposal excludes only; Permitting and Utility Relocations if required. This proposal assumes any dewatering of the leaking valve into the nearby tank at ground level. This proposal excludes estimated \$100K additional cost line-stops as Contractor has verified the work can be done in-the-wet by managing the leaking valves flows. **This proposal currently excludes all MATERIALS including but not limited to PCCP adapters, fittings, valve, and replacement piping. We will provide pass-thru cost with 5% Markup immediately upon receipt.**

**SUMMARY OF FEES**

DMSI Labor and Equipment Costs	\$	<b>22,571.44</b>
Subcontractor, Materials, and Misc Costs		<b>TBD</b>
<b>TOAL LUMP SUM PROPOSAL</b>	<b>\$</b>	<b>22,571.44</b>

**PAYMENT TERMS**

40% UP FRONT	\$	<b>9,028.58</b>
60% UPON COMPLETION OF WORK	\$	<b>13,542.86</b>
<b>TOAL LUMP SUM PROPOSAL</b>	<b>\$</b>	<b>22,571.44</b>

RFP - DIRECT COST BREAKDOWN

Description of Work:

Part 3: FIVEASH 36" PCCP Valve Installation (in-the-wet)

Total Labor and Equipment Required to install an in-line direct bury 36" Flange Gate Valve.

A.- Labor Requirements Description	Name	Qty	Crew Time: 33		TTL (Hrs) 33	Equipment Time 33		Amount
			DMSI Rate/Hr			CLASS (Hrs)	OT (Hrs)	
Superintendent	David Mancini Jr.	1	\$ 65.00		16			\$ 1,040.00
Working Foreman	Ryan Kaltz	1	\$ 47.50		16			\$ 760.00
Oper - Excavator	Earnest Holcombe	1	\$ 29.00		33			\$ 957.00
Oper - Loader	Jorge Santos	1	\$ 24.50		33			\$ 808.50
Pipelayer	Petrard Fatal	1	\$ 24.00		33			\$ 792.00
Pipelayer	Loxley White	1	\$ 20.00		33			\$ 660.00
Laborer	Larry Ducksworth	1	\$ 15.00		33			\$ 495.00
Driver - Dump Tuck	Ramiro Mendez	1	\$ 23.00		33			\$ 759.00
Pipe Welder	Jerry Louvierre	1	\$ 52.50		33			\$ 1,732.50
Feul Truck Driver	Luis Membreno	1	\$ 23.00		6			\$ 138.00
<i>Sub-Total</i>								\$ 8,142.00
<i>Labor Burden: 75.27%</i>								\$ 6,128.48
<i>Labor W/ Burden</i>								\$ 14,270.48
<i>Mark-Up 5%</i>								\$ 713.52
<b>TOAL LABOR</b>								<b>\$ 14,984.01</b>

B.-Equipment Requirements Owned Equipment Description	Qty	FHWA RATE	HOURS	Amount
Air Compressor- 375	1	\$ 20.00	13	\$ 260.00
BUCKET - 24" CAT 335	1	\$ 4.00	13	\$ 52.00
Cement Mixer	1	\$ 16.74	13	\$ 217.62
Combination- 420	1	\$ 47.31	13	\$ 615.03
Excavator - Cat 335	1	\$ 165.77	13	\$ 2,155.01
GENERATOR	1	\$ 15.00	13	\$ 195.00
Loader - Deere 624		\$ 71.42	13	\$ -
Pump - Trash	1	\$ 39.11	13	\$ 508.43
Roller - Trench	1	\$ 30.65	13	\$ 398.45
SAW - CONCRETE/CHAIN	1	\$ 25.00	13	\$ 325.00
Trench Box 28'	1	\$ 8.95	13	\$ 116.35
Trench Jack	2	\$ 1.28	13	\$ 33.28
Truck- Flatbed	1	\$ 27.65	3	\$ 82.95
Truck- Foreman/Super	2	\$ 23.59	13	\$ 613.34
Truck- Lowboy Tractor	1	\$ 77.24	3	\$ 231.72
Truck- Lowboy Trailer	1	\$ 35.07	3	\$ 105.21
Truck- Mechanic	1	\$ 21.90	13	\$ 284.70
Truck- Mechanic (Crane)	1	\$ 6.90	13	\$ 89.70
Truck- Mechanic (Welder)	1	\$ 6.95	13	\$ 90.35
Truck- Rear Dump	1	\$ 80.56	13	\$ 1,047.28
Truck- Rear Dump Trailer	1	\$ 12.77	13	\$ 166.01
<i>Sub Total:</i>				\$ 7,587.43
<i>Allowable Mark Up: 0%</i>				\$ -
<b>TOTAL EQUIPMENT</b>				<b>\$ 7,587.43</b>
<b>TOTAL LABOR AND EQUIPMENT</b>				<b>\$ 22,571.44</b>

MILE HIGH Description	SHIFT #	HRS
Mobilize Equipment and Crews	0.30	3
Excavate, Expose & Shore 36" PCCP	1	10
Chip and Remove 36" PCCP Joint (includes chipping and torching of Snap Ring Joint(s) saving existing bell & Spigot. To Confirm and Order Parts	1	10
Fabricate/Build a bypass pipe for leaking valve flows into nearby tank	1	10
EST LEAD TIME FOR PARTS	15	0 33
Install New PCCP Adapters w DIP or New PCCP Throughout (including 1 each 36" Flange x Flange Gate Valve Direct Bury)	2	20
Restoration/Backfill (excluding Sod)	1	10
Demobilization	0.30	3

33 total estimated hours



RFP - DIRECT COST BREAKDOWN

Description of Work: **Part 3: FIVEASH 36" PCCP Valve Installation (in-the-wet)**

Material, Subcontractor, and Misc. Costs.

**C.-Material**

Description	Qty	Unit	Rate (w/Tax)	Amount
36" PCCP Bell & Spigot Adapters	2	EA	TBD	TBD
36" FLANGE x FLANGE PLUG VALVE	1	EA	TBD	TBD
36" DIP or PCCP REPLACEMENT	1	LS	TBD	TBD
			<i>Sub Total</i>	\$ -
			<i>Allowable Mark Up: 5%</i>	TBD
<b>Total Materials:</b>				<b>\$ -</b>

**D.-Subcontractor Requirements**

Subcontractor	Qty	Unit	Rate (w/Tax)	Amount
				\$ -
				\$ -
			<i>Sub Total</i>	\$ -
			<i>Allowable Mark Up 5%</i>	\$ -
<b>Total Subcontractor:</b>				<b>\$ -</b>

**E.- Misc. Requirements**

Description	Qty	Unit	Rate (w/Tax)	Duration	Amount
<b>Total Misc. Requirements.</b>					<b>\$ -</b>
<i>Subtotal:</i>					\$ -
<i>Additional Bond Premium 2%:</i>					excluded
<b>Material Sub, and Misc. (GRAND TOTAL) :</b>					<b>\$ -</b>

EXCLUDING ADAPTERS, VALVE, AND REPLACEMENT PIPING. PRICING TBD