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July 25, 2017 - Regular Meeting

Category

B. CONSENT AGENDA

Sub-Category

Financial Management

Approval Path

FM (Purchasing-Melissa)

Subject

Invitation for Bid (IFB) 17-0071OV, Force Main Replacement, Bradenton, FL (Project No. 6035781)

Briefings

None

Contact and/or Presenter Information

Olga Valcich, Financial Management Department, Procurement Division, Ext 3055

Anthony Russo, Public Works Department, Project Management Division, Ext 7349

Action Requested

Award IFB17-0071OV, Force Main 1D Replacement, Bradenton, FL to the lowest, responsive and responsible bidder, Metro Equipment Service, Inc., Miami, FL for a total of \$4,295,170.00 based on a completion time of 365 calendar days.

Authorize the County Administrator, or his designee, to execute the Agreement and accept and date the Performance and Payment Bonds.

Enabling/Regulating Authority

Manatee County Code of Laws

Background Discussion

This project consists of the construction of Force Main 1D Rehabilitation which includes the following:

New 30- inch gravity sewer at LS 237 approximately 73 feet to replace existing 30-inch ductile iron gravity sewer. Installation will include the connection to LS 237 and reconstruction of the manhole upstream of LS 237.

New 15-inch gravity sewer on 51st Street West, approximately 725 feet to replace existing 15-inch vitrified clay pipe to the intersection with 21st Avenue West. Installation will include reconstruction of three (3) manholes along the route.

New 18-inch and 20-inch sanitary sewer force main approximately 724 feet on 51st Street West and 10,949 feet on 21st Avenue West, 59th Street West, 40th Avenue West, 63rd Avenue West and in easement to 66th Street West. Approximately 9,356 feet are designated to be installed via directional drill.

New mains replacing those impacted by FM/gravity main construction include approximately 50 LF of 16" RCWM, 760 LF of 6" RCWM, as well as 2 – 6" watermain, 1 – 4" watermain and 1 – 6" force main as shown on the construction plans.

Contractor shall be responsible to furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by the Specifications and as shown on the Contract Drawings.

Formal competitive sealed bid procedures were followed resulting in a total of four (4) bidders submitting a sealed bid for consideration per the attached tabulation.

The Public Works Department, Project Management Division recommends award to the lowest, responsive and responsible bidder, Metro Equipment Service, Inc., Miami FL in the amount of \$4,295,170.00 based on a completion time of 365 calendar days.

County Attorney Review

Not Reviewed (No apparent legal issues)

Explanation of Other**Reviewing Attorney**

N/A

Instructions to Board Records

Original to Board Records

Email copy to:

Metro Service, Inc., Attn: Daniel Gonzalez, at Daniel.gonzalez@dq.mesinc.us

Public Works Department, Attn: Anthony Russo at Anthony.russo@mymanatee.org

Public Works Department, Attn: Kathleen Casey at Kathleen.casey@mymanatee.org

Public Works Department, Attn: Debbie Marchbank at Debbie.Marchbank@mymanatee.org

Finance AP Clerk III, Attn: Towanda Brinson at Towanda.Brinson@manateeclerk.com

FMD Procurement, Attn: Olga Valcich at olga.Valcich@mymanatee.org

Cost and Funds Source Account Number and Name

Funding Source 2015 Rev Ref & Imp Bonds - 4166035781-534000-6035781-0004

Amount and Frequency of Recurring Costs
N/A

Attachments: (list)



[Recommendation to Award from
Dept., for Agenda.pdf](#)



[Constr. Agreement w.Bond and
Certf..Bond for Agenda.pdf](#)



[Tabulation for Agenda
\(Bid A and B\).pdf](#)

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Olga Valcich - ()
Role : Item Author

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Version: 1.2.1.3 - 1.2.7.5

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BID ITEM	DESCRIPTION	UNIT	QTY	Metro Equipment Service, Inc., Miami, FL		Southern Underground Industries, Inc., Miami Lakes, FL		Westra Construction Corp., Plantega, FL		Woodruff & Sons, Inc., Bradenton, FL	
				UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
1.0	Mobilization	LS	1	\$ 420,000.00	\$ 420,000.00	\$ 284,000.00	\$ 284,000.00	No Bid	\$ 262,208.07	\$ 262,208.07	\$ 262,208.07
2.0	Maintenance of Traffic	LS	1	\$ 168,000.00	\$ 168,000.00	\$ 48,000.00	\$ 48,000.00	No Bid	\$ 336,102.81	\$ 336,102.81	\$ 336,102.81
3.0	Temporary Erosion Control Measures	LF	4,425	\$ 1.00	\$ 4,425.00	\$ 2.40	\$ 10,620.00	No Bid	\$ 6.07	\$ 26,859.75	\$ 26,859.75
4.0	PVC Force Main										
4.1	18" PVC (C-905, CL-235) Force Main	LF	319	\$ 130.00	\$ 41,470.00	\$ 81.00	\$ 25,839.00	No Bid	\$ 79.63	\$ 25,401.97	\$ 25,401.97
5.0	Restrained Joint PVC Force Main										
5.1	12" Restrained Joint PVC (C-900, CL-150) Force Main	LF	11	\$ 250.00	\$ 2,750.00	\$ 220.00	\$ 2,420.00	No Bid	\$ 452.29	\$ 4,975.19	\$ 4,975.19
5.2	18" Restrained Joint PVC (C-905, CL-235) Force Main Excluding 51st Street West	LF	1,274	\$ 150.00	\$ 191,100.00	\$ 110.00	\$ 140,140.00	No Bid	\$ 210.25	\$ 267,858.50	\$ 267,858.50
5.3	18" Restrained Joint PVC (C-905, CL-235) Force Main for 51st Street West	LF	724	\$ 220.00	\$ 159,280.00	\$ 250.00	\$ 181,000.00	No Bid	\$ 215.13	\$ 155,754.12	\$ 155,754.12
6.0	Restrained Joint PVC Reclaimed Water Main										
6.1	16" PVC (C-905, CL-235) Restrained Joint Reclaimed Water Main	LF	89	\$ 70.00	\$ 5,950.00	\$ 200.00	\$ 17,000.00	No Bid	\$ 202.74	\$ 17,282.90	\$ 17,282.90
7.0	Restrained Joint PVC Reclaimed Water Main										
7.1	6" Restrained Joint PVC (C-900, CL-150) Reclaimed Water Main	LF	700	\$ 20.00	\$ 15,200.00	\$ 61.00	\$ 46,360.00	No Bid	\$ 76.20	\$ 57,912.00	\$ 57,912.00
8.0	HDPE Force Main by Directional Drill										
8.1	20" HDPE (DIPS, DR-11) Force Main by Directional Bore	LF	9,356	\$ 200.00	\$ 1,871,200.00	\$ 249.00	\$ 2,328,644.00	No Bid	\$ 211.25	\$ 1,978,455.00	\$ 1,978,455.00
9.0	Ductile Iron Fittings for Force Main										
9.1	18" 45-Degree Ductile Iron Band (AWWA C-110 or C-153, Pressure Class 350)	EA	21	\$ 1,500.00	\$ 31,500.00	\$ 1,990.00	\$ 39,900.00	No Bid	\$ 2,155.38	\$ 45,262.98	\$ 45,262.98
9.2	18" Ductile Iron Cap (AWWA C-110 or C-153, Pressure Class 350)	EA	1	\$ 1,300.00	\$ 1,300.00	\$ 1,800.00	\$ 1,800.00	No Bid	\$ 1,602.82	\$ 1,602.82	\$ 1,602.82

	Metro Equipment Service, Inc., Miami, FL	Southern Underground Industries, Inc., Miami Lakes, FL	Westra Construction Corp., Plantato, FL *	Woodruff & Sons, Inc., Bradenton, FL
9.3	18"x18"x12" Ductile Iron Tee (AWWA C-110 or C-153, Pressure Class 350)	EA	1 \$ 2,000.00 \$ 2,000.00 \$ 6,300.00 \$	No Bid \$ 2,795.71 \$ 2,795.71
9.4	18"x18"x18" Ductile Iron Wye (AWWA C-110 or C-153, Pressure Class 350)	EA	1 \$ 4,000.00 \$ 4,000.00 \$ 8,800.00 \$	No Bid \$ 3,855.05 \$ 3,855.05
9.5	20" 11.25-Degree Ductile Iron Bend (AWWA C-110 or C-153, Pressure Class 350)	EA	15 \$ 1,500.00 \$ 22,500.00 \$ 3,800.00 \$	No Bid \$ 2,435.66 \$ 36,534.90
9.6	20"x18" Ductile Iron Reducer (AWWA C-110 or C-153, Pressure Class 350)	EA	15 \$ 2,000.00 \$ 30,000.00 \$ 14,000.00 \$	No Bid \$ 2,318.75 \$ 34,781.25
9.7	24"x18" Ductile Iron Reducer (AWWA C-110 or C-153, Pressure Class 350)	EA	1 \$ 2,300.00 \$ 2,300.00 \$ 15,000.00 \$	No Bid \$ 2,554.90 \$ 2,554.90
9.8	24" Ductile Iron Repair Sleeve (AWWA C-110 or C-153, Pressure Class 350)	EA	1 \$ 2,500.00 \$ 2,500.00 \$ 6,500.00 \$	No Bid \$ 2,735.01 \$ 2,735.01
10.0	Force Main Gate Valves			
10.1	12" Force Main Gate Valve	EA	1 \$ 3,000.00 \$ 3,000.00 \$ 7,100.00 \$	No Bid \$ 11,680.27 \$ 11,680.27
10.2	18" Force Main Gate Valve	EA	10 \$ 11,000.00 \$ 110,000.00 \$ 17,500.00 \$	No Bid \$ 11,609.95 \$ 116,099.50
10.3	18" Force Main Gate Valve & Meter Assembly (w/o Meter)	EA	2 \$ 12,000.00 \$ 24,000.00 \$ 15,000.00 \$	No Bid \$ 13,860.25 \$ 27,720.50
11.0	Below Grade Air Release Valve for Force Mains	EA	10 \$ 4,800.00 \$ 48,000.00 \$ 17,000.00 \$	No Bid \$ 6,973.81 \$ 69,738.10
12.0	Connection to Existing Force Main	EA	2 \$ 4,000.00 \$ 8,000.00 \$ 37,000.00 \$	No Bid \$ 52,883.73 \$ 105,867.46
13.0	Force Main Flow Meter and Vault	EA	1 \$ 15,000.00 \$ 15,000.00 \$ 46,000.00 \$	No Bid \$ 70,121.59 \$ 70,121.59
14.0	Gravity Sewer Connection to Existing Lift Station			
14.1	30" Gravity Sewer Connection to LS 237	LS	1 \$ 8,000.00 \$ 8,000.00 \$ 16,000.00 \$	No Bid \$ 39,624.28 \$ 39,624.28
15.0	Replace Existing Force Main			
15.1	Replace Existing 8" Force Main Between 63rd St. W. & 66th St. W.	LS	1 \$ 4,000.00 \$ 4,000.00 \$ 29,000.00 \$	No Bid \$ 36,917.18 \$ 36,917.18
16.0	Replace Existing Water Main			

				Metro Equipment Service, Inc., Miami, FL	Southern Underground Industries, Inc., Miami Lakes, FL	Westra Construction Corp., Plantato, FL	Woodruff & Sons, Inc., Bradenton, FL
16.1	Replace 4" Water Main at 21st Ave. W. & 51th St. W.	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 29,000.00	\$ 24,723.05
16.2	Replace 6" Water Main at 53rd St. W. & 40th Ave. W.	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 30,000.00	\$ 156,278.71
16.3	Replace 6" Water Main between 53rd St. W. & 66th St. W.	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 31,000.00	\$ 139,195.89
17.0	Remove and Dispose Existing Sanitary Sewer Facilities	LF	808	\$ 10.00	\$ 8,080.00	\$ 22.00	\$ 65.29
18.0	Remove and Dispose Existing Sanitary Sewer Manholes	EA	3	\$ 1,500.00	\$ 4,500.00	\$ 5,600.00	\$ 2,439.23
19.0	PVC Gravity Sanitary Sewer Main						
19.1	8" PVC (SDR26) Gravity Sewer Main	LF	30	\$ 150.00	\$ 4,500.00	\$ 260.00	\$ 374.47
19.2	15" PVC (SDR26) Gravity Sewer Main	LF	727	\$ 200.00	\$ 145,400.00	\$ 380.00	\$ 192.46
19.3	30" PVC (SDR26) Gravity Sewer Main	LF	51	\$ 400.00	\$ 20,400.00	\$ 820.00	\$ 340.08
20.0	Standard Precast Concrete Sanitary Sewer Manhole	EA	3	\$ 12,000.00	\$ 36,000.00	\$ 19,000.00	\$ 11,590.11
21.0	Remove and Replace RCP Storm Sewer Pipe						
21.1	Remove and Replace 12" x 18" ERCP Storm Sewer Pipe	LF	20	\$ 140.00	\$ 2,800.00	\$ 510.00	\$ 282.10
21.2	Remove and Replace 14" x 23" ERCP Storm Sewer Pipe	LF	40	\$ 160.00	\$ 6,400.00	\$ 280.00	\$ 233.40
21.3	Remove and Replace 18" RCP Storm Sewer Pipe	LF	20	\$ 150.00	\$ 3,000.00	\$ 500.00	\$ 264.40
21.4	Remove and Replace 24" RCP Storm Sewer Pipe	LF	160	\$ 180.00	\$ 28,800.00	\$ 180.00	\$ 193.03
22.0	Remove and Replace Storm Sewer Structures						
22.1	Remove and Replace Concrete Storm Manhole	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 13,000.00	\$ 1,284.17
22.2	Remove and Replace Concrete Collar	EA	5	\$ 400.00	\$ 2,000.00	\$ 1,800.00	\$ 1,455.51
23.0	Miscellaneous Concrete	CY	20	\$ 500.00	\$ 10,000.00	\$ 350.00	\$ 1,343.09
24.0	Flowable Fill	CY	1,110	\$ 130.00	\$ 144,300.00	\$ 170.00	\$ 265.84
25.0	Bypass Pumping (Stage 1-4)	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 225,000.00	\$ 269,515.96

		Metro Equipment Service, Inc., Miami, FL			Southern Underground Industries, Inc., Miami Lakes, FL			Wastea Construction Corp., Plantation, FL			Woodruff & Sons, Inc., Bradenton, FL	
26.0	Sodding	SY	3,000	\$ 7.00	\$ 21,000.00	\$ 6.00	\$ 18,000.00		No Bid	\$ 3.37	\$ 10,110.00	
27.0	Tree Replacement											
27.1	Replace Palm Tree	EA	9	\$ 1,800.00	\$ 16,200.00	\$ 960.00	\$ 8,640.00		No Bid	\$ 467.84	\$ 4,210.56	
27.2	Replace Oak Tree	EA	5	\$ 1,600.00	\$ 8,000.00	\$ 1,200.00	\$ 6,000.00		No Bid	\$ 1,087.65	\$ 5,438.25	
28.0	Driveway Restoration	SY	243	\$ 120.00	\$ 29,160.00	\$ 120.00	\$ 29,160.00		No Bid	\$ 74.93	\$ 18,207.99	
29.0	Asphalt Roadway Restoration	SY	4,672	\$ 30.00	\$ 140,160.00	\$ 26.00	\$ 121,472.00		No Bid	\$ 30.53	\$ 142,636.16	
30.0	Miami Curb Restoration	LF	623	\$ 25.00	\$ 15,575.00	\$ 42.00	\$ 26,166.00		No Bid	\$ 58.47	\$ 36,426.81	
31.0	Concrete Sidewalk Restoration	SY	589	\$ 50.00	\$ 29,450.00	\$ 48.00	\$ 28,272.00		No Bid	\$ 53.74	\$ 31,652.86	
32.0	Animal Shelter Landscaping	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 19,000.00	\$ 18,000.00		No Bid	\$ 31,954.34	\$ 31,954.34	
SUBTOTAL A (ITEMS 1.0 – 32.0)					\$ 3,904,700.00		\$ 5,253,289.00		No Bid		\$ 5,225,304.22	
33.0	Contract Contingency Work (10% of Total Base Bid)	LS	1	\$ 390,470.00	\$ 390,470.00	\$ 525,328.90	\$ 525,328.90		No Bid	\$ 522,530.42	\$ 522,530.42	
TOTAL (ITEMS 1.0 – 33.0)					\$ 4,295,170.00		\$ 5,778,617.90		No Bid		\$ 5,747,834.64	

* No Bid

Mathematical Errors have been corrected in accordance with Invitation for Bid Article A.31, Mathematical Errors.



**BID TABULATION
FOR**

IFB17-00710V

Force Main 1 D Replacement

PREPARED BY:
(Consultant)


Robert J. Helbach, P.E.

5-31-17
Date

REVIEWED BY:
(Project Manager)


Anthony Russo, P.E.

5-31-17
Date

APPROVED BY:
(Purchasing)


Olga Valcich, Contract Specialist

5-31-17
Date

BID ITEM	DESCRIPTION	UNIT	QTY	Metro Equipment Service, Inc., Miami, FL		Southern Underground Industries, Inc., Miami Lakes, FL		Westra Construction Corp., Palmetto, FL		Woodruff & Sons, Inc., Bradenton, FL	
				UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
1.0	Mobilization	LS	1	\$ 420,000.00	\$ 420,000.00	\$ 284,000.00	\$ 284,000.00	\$ 285,000.00	\$ 285,000.00	\$ 258,062.50	\$ 258,062.50
2.0	Maintenance of Traffic	LS	1	\$ 168,000.00	\$ 168,000.00	\$ 48,000.00	\$ 48,000.00	\$ 100,000.00	\$ 100,000.00	\$ 325,638.41	\$ 325,638.41
3.0	Temporary Erosion Control Measures	LF	4,425	\$ 1.00	\$ 4,425.00	\$ 2.40	\$ 10,620.00	\$ 3.50	\$ 15,487.50	\$ 5.83	\$ 25,917.75
4.0	PVC Force Main										
4.1	18" PVC (C-905, CL-235) Force Main	LF	319	\$ 130.00	\$ 41,470.00	\$ 81.00	\$ 25,839.00	\$ 150.00	\$ 47,850.00	\$ 77.10	\$ 24,594.90
5.0	Restrained Joint PVC Force Main										
5.1	12" Restrained Joint PVC (C-900, CL-150) Force Main	LF	11	\$ 250.00	\$ 2,750.00	\$ 220.00	\$ 2,420.00	\$ 260.00	\$ 2,860.00	\$ 426.07	\$ 4,675.77
5.2	18" Restrained Joint PVC (C-905, CL-235) Force Main Excluding 51st Street West	LF	1,274	\$ 150.00	\$ 191,100.00	\$ 110.00	\$ 140,140.00	\$ 182.00	\$ 231,868.00	\$ 202.99	\$ 258,609.26
5.3	18" Restrained Joint PVC (C-905, CL-235) Force Main for 51st Street West	LF	724	\$ 220.00	\$ 159,280.00	\$ 250.00	\$ 181,000.00	\$ 230.00	\$ 166,520.00	\$ 208.85	\$ 151,207.40
6.0	Restrained Joint PVC Reclaimed Water Main										
6.1	18" PVC (C-905, CL-235) Restrained Joint Reclaimed Water Main	LF	85	\$ 70.00	\$ 5,950.00	\$ 200.00	\$ 17,000.00	\$ 235.00	\$ 19,975.00	\$ 199.03	\$ 16,917.55
7.0	Restrained Joint PVC Reclaimed Water Main										
7.1	6" Restrained Joint PVC (C-900, CL-150) Reclaimed Water Main	LF	760	\$ 20.00	\$ 15,200.00	\$ 61.00	\$ 46,360.00	\$ 75.00	\$ 57,000.00	\$ 73.26	\$ 55,677.80
8.0	HDPE Force Main by Directional Drill										
8.1	20" HDPE (DIPS, DR-11) Force Main by Directional Bore	LF	9,356	\$ 200.00	\$ 1,871,200.00	\$ 240.00	\$ 2,245,440.00	\$ 227.00	\$ 2,123,812.00	\$ 201.42	\$ 1,884,485.52
9.0	Ductile Iron Fittings for Force Main										
9.1	18" 45-Degree Ductile Iron Band (AWWA C-110 or C-153, Pressure Class 350)	EA	21	\$ 1,500.00	\$ 31,500.00	\$ 1,900.00	\$ 39,900.00	\$ 2,200.00	\$ 46,200.00	\$ 2,089.81	\$ 44,096.01
9.2	18" Ductile Iron Cap (AWWA C-110 or C-153, Pressure Class 350)	EA	1	\$ 1,300.00	\$ 1,300.00	\$ 1,800.00	\$ 1,800.00	\$ 1,400.00	\$ 1,400.00	\$ 1,547.40	\$ 1,547.40

		Metro Equipment Services, Inc., Miami, FL		Southern Underground Industries, Inc., Miami Lakes, FL		Westra Construction Corp., Palmetto, FL		Woodruff & Sons, Inc., Bradenton, FL	
9.3	18"x18"x12" Ductile Iron Tee (AWMA C-110 or C-153, Pressure Class 350)	EA	1 \$ 2,000.00	\$ 2,000.00	\$ 6,300.00	\$ 2,800.00	\$ 2,800.00	\$ 2,731.72	\$ 2,731.72
9.4	18"x18"x18" Ductile Iron Wye (AWMA C-110 or C-153, Pressure Class 350)	EA	1 \$ 4,000.00	\$ 4,000.00	\$ 8,800.00	\$ 4,300.00	\$ 4,300.00	\$ 3,771.53	\$ 3,771.53
9.5	20" 11.25-Degree Ductile Iron Band (AWMA C-110 or C-153, Pressure Class 350)	EA	15 \$ 1,500.00	\$ 22,500.00	\$ 3,800.00	\$ 2,500.00	\$ 37,500.00	\$ 2,380.01	\$ 35,700.15
9.6	20"x18" Ductile Iron Reducer (AWMA C-110 or C-153, Pressure Class 350)	EA	15 \$ 2,000.00	\$ 30,000.00	\$ 14,000.00	\$ 2,400.00	\$ 36,000.00	\$ 2,263.14	\$ 33,947.10
9.7	24"x18" Ductile Iron Reducer (AWMA C-110 or C-153, Pressure Class 350)	EA	1 \$ 2,300.00	\$ 2,300.00	\$ 15,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,499.22	\$ 2,499.22
9.8	24" Ductile Iron Repair Sleeve (AWMA C-110 or C-153, Pressure Class 350)	EA	1 \$ 2,500.00	\$ 2,500.00	\$ 6,500.00	\$ 3,200.00	\$ 3,200.00	\$ 2,679.28	\$ 2,679.28
10.0	Force Main Gate Valves								
10.1	12" Force Main Gate Valve	EA	1 \$ 3,000.00	\$ 3,000.00	\$ 7,100.00	\$ 3,100.00	\$ 3,100.00	\$ 11,316.71	\$ 11,316.71
10.2	18" Force Main Gate Valve	EA	10 \$ 11,000.00	\$ 110,000.00	\$ 17,500.00	\$ 11,500.00	\$ 115,000.00	\$ 11,519.66	\$ 115,196.60
10.3	18" Force Main Gate Valve & Meter Assembly (w/o Meter)	EA	2 \$ 12,000.00	\$ 24,000.00	\$ 15,000.00	\$ 13,500.00	\$ 27,000.00	\$ 13,712.75	\$ 27,425.50
11.0	Below Grade Air Release Valve for Force Mains	EA	10 \$ 4,800.00	\$ 48,000.00	\$ 17,000.00	\$ 4,900.00	\$ 49,000.00	\$ 6,736.20	\$ 67,362.00
12.0	Connection to Existing Force Main	EA	2 \$ 4,000.00	\$ 8,000.00	\$ 37,000.00	\$ 13,000.00	\$ 26,000.00	\$ 51,764.09	\$ 103,528.18
13.0	Force Main Flow Meter and Vault	EA	1 \$ 15,000.00	\$ 15,000.00	\$ 46,000.00	\$ 65,000.00	\$ 65,000.00	\$ 67,452.69	\$ 67,452.69
14.0	Gravity Sewer Connection to Existing Lift Station								
14.1	30" Gravity Sewer Connection to LS 237	LS	1 \$ 8,000.00	\$ 8,000.00	\$ 16,000.00	\$ 65,000.00	\$ 65,000.00	\$ 38,077.51	\$ 38,077.51
15.0	Replace Existing Force Main								
15.1	Replace Existing 6" Force Main Between 63rd St. W. & 66th St. W.	LS	1 \$ 4,000.00	\$ 4,000.00	\$ 29,000.00	\$ 33,000.00	\$ 33,000.00	\$ 35,134.49	\$ 35,134.49
16.0	Replace Existing Water Main								

		Metro Equipment Service, Inc., Miami, FL		Southern Underground Industries, Inc., Miami Lakes, FL		Westra Construction Corp., Palmetto, FL		Woodruff & Sons, Inc., Bradenton, FL			
16.1	Replace 4" Water Main at 21st Ave. W. & 51th St. W.	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 29,000.00	\$ 29,000.00	\$ 13,500.00	\$ 13,500.00	\$ 24,093.81	\$ 24,093.81
16.2	Replace 6" Water Main at 63rd St. W. & 40th Ave. W.	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 30,000.00	\$ 30,000.00	\$ 29,000.00	\$ 29,000.00	\$ 147,588.93	\$ 147,588.93
16.3	Replace 6" Water Main between 63rd St. W. & 66th St. W.	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 31,000.00	\$ 31,000.00	\$ 10,000.00	\$ 10,000.00	\$ 130,462.19	\$ 130,462.19
17.0	Remove and Dispose Existing Sanitary Sewer Facilities	LF	808	\$ 10.00	\$ 8,080.00	\$ 22.00	\$ 17,776.00	\$ 50.00	\$ 40,400.00	\$ 60.95	\$ 49,247.80
18.0	Remove and Dispose Existing Sanitary Sewer Manholes	EA	3	\$ 1,500.00	\$ 4,500.00	\$ 5,600.00	\$ 16,800.00	\$ 3,000.00	\$ 9,000.00	\$ 2,277.12	\$ 6,831.36
18.0	PVC Gravity Sanitary Sewer Main										
19.1	8" PVC (SDR26) Gravity Sewer Main	LF	30	\$ 150.00	\$ 4,500.00	\$ 260.00	\$ 7,800.00	\$ 315.00	\$ 9,450.00	\$ 350.64	\$ 10,519.20
19.2	15" PVC (SDR26) Gravity Sewer Main	LF	727	\$ 200.00	\$ 145,400.00	\$ 380.00	\$ 276,260.00	\$ 215.00	\$ 156,305.00	\$ 143.91	\$ 104,622.57
19.3	30" PVC (SDR26) Gravity Sewer Main	LF	51	\$ 400.00	\$ 20,400.00	\$ 820.00	\$ 41,820.00	\$ 500.00	\$ 25,500.00	\$ 326.65	\$ 16,606.15
20.0	Standard Precast Concrete Sanitary Sewer Manhole	EA	3	\$ 12,000.00	\$ 36,000.00	\$ 19,000.00	\$ 57,000.00	\$ 17,000.00	\$ 51,000.00	\$ 11,245.83	\$ 33,737.49
21.0	Remove and Replace RCP Storm Sewer Pipe										
21.1	Remove and Replace 12" x 18" ERCP Storm Sewer Pipe	LF	20	\$ 140.00	\$ 2,800.00	\$ 510.00	\$ 10,200.00	\$ 78.00	\$ 1,560.00	\$ 285.88	\$ 5,317.60
21.2	Remove and Replace 14" x 23" ERCP Storm Sewer Pipe	LF	40	\$ 160.00	\$ 6,400.00	\$ 280.00	\$ 11,200.00	\$ 98.00	\$ 3,960.00	\$ 220.20	\$ 8,808.00
21.3	Remove and Replace 18" RCP Storm Sewer Pipe	LF	20	\$ 150.00	\$ 3,000.00	\$ 500.00	\$ 10,000.00	\$ 64.00	\$ 1,280.00	\$ 249.30	\$ 4,986.00
21.4	Remove and Replace 24" RCP Storm Sewer Pipe	LF	160	\$ 180.00	\$ 28,800.00	\$ 160.00	\$ 25,600.00	\$ 105.00	\$ 16,800.00	\$ 182.23	\$ 29,156.80
22.0	Remove and Replace Storm Sewer Structures										
22.1	Remove and Replace Concrete Storm Manhole	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 13,000.00	\$ 26,000.00	\$ 4,200.00	\$ 8,400.00	\$ 1,198.83	\$ 2,397.66
22.2	Remove and Replace Concrete Collar	EA	5	\$ 400.00	\$ 2,000.00	\$ 1,800.00	\$ 9,000.00	\$ 3,800.00	\$ 19,000.00	\$ 1,382.55	\$ 6,912.75
23.0	Miscellaneous Concrete	CY	20	\$ 500.00	\$ 10,000.00	\$ 350.00	\$ 7,000.00	\$ 220.00	\$ 4,400.00	\$ 1,283.59	\$ 25,671.80
24.0	Flowable Fill	CY	1,110	\$ 130.00	\$ 144,300.00	\$ 170.00	\$ 188,700.00	\$ 285.00	\$ 327,450.00	\$ 260.26	\$ 288,886.60
25.0	Bypass Pumping (Stage 1-4)	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 225,000.00	\$ 225,000.00	\$ 477,500.00	\$ 477,500.00	\$ 262,068.80	\$ 262,068.80

		Metro Equipment Service, Inc., Miami, FL		Southern Underground Industries, Inc., Miami Lakes, FL		Westra Construction Corp., Palmetto, FL		Woodruff & Sons, Inc., Bradenton, FL			
26.0	Sodding	SY	3,000	\$ 7.00	\$ 21,000.00	\$ 6.00	\$ 18,000.00	\$ 3.00	\$ 9,000.00	\$ 3.28	\$ 9,840.00
27.0	Tree Replacement										
27.1	Replace Palm Tree	EA	9	\$ 1,800.00	\$ 16,200.00	\$ 960.00	\$ 8,640.00	\$ 1,100.00	\$ 9,900.00	\$ 459.31	\$ 4,133.79
27.2	Replace Oak Tree	EA	5	\$ 1,600.00	\$ 8,000.00	\$ 1,200.00	\$ 6,000.00	\$ 5,300.00	\$ 28,500.00	\$ 1,079.29	\$ 5,396.45
28.0	Driveway Restoration	SY	243	\$ 120.00	\$ 29,160.00	\$ 120.00	\$ 29,160.00	\$ 70.00	\$ 17,010.00	\$ 73.85	\$ 17,945.55
29.0	Asphalt Roadway Restoration	SY	4,672	\$ 30.00	\$ 140,160.00	\$ 26.00	\$ 121,472.00	\$ 60.00	\$ 280,320.00	\$ 30.03	\$ 140,300.16
30.0	Miami Curb Restoration	LF	623	\$ 25.00	\$ 15,575.00	\$ 42.00	\$ 26,166.00	\$ 40.00	\$ 24,920.00	\$ 56.31	\$ 35,081.13
31.0	Concrete Sidewalk Restoration	SY	589	\$ 50.00	\$ 29,450.00	\$ 48.00	\$ 28,272.00	\$ 60.00	\$ 35,340.00	\$ 53.26	\$ 31,370.14
32.0	Animal Shelter Landscaping	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 18,000.00	\$ 18,000.00	\$ 17,000.00	\$ 17,000.00	\$ 31,267.10	\$ 31,267.10
SUBTOTAL A (ITEMS 1.0 - 32.0)					\$ 3,904,700.00		\$ 5,169,085.00		\$ 5,192,367.50		\$ 5,031,386.38
19.0	Contract Contingency Work (10% of Total Base Bid)	LS	1	\$ 390,470.00	\$ 390,470.00	\$ 516,908.50	\$ 516,908.50	\$ 519,236.75	\$ 519,236.75	\$ 503,138.64	\$ 503,138.64
TOTAL (ITEMS 1.0 - 32.0)					\$ 4,295,170.00		\$ 5,685,993.50		\$ 5,711,604.25		\$ 5,534,525.02

Mathematical Errors have been corrected in accordance with Invitation for Bid Article A.31, Mathematical Errors.

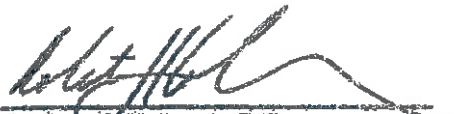


**EID TABULATION
FOR**

IFB17-00710V

Force Main 1 D Replacement

PREPARED BY:
(Consultant)


Robert J. Halbach, P.E.

5-31-17
Date

REVIEWED BY:
(Project Manager)


Anthony Russo, P.E.

5-31-17
Date

APPROVED BY:
(Purchasing)


Olga Valich, Contract Specialist

5-31-17
Date