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Date: October 9, 2017

Sent via email JAthias@margatefl.com

City of Margate Department of Environmental & Engineering Services  
Jeanine Athias, P.E.  
Engineer  
901 NW 66<sup>th</sup> Avenue, Suite A  
Margate, FL 33063

Subject: Aerial Utility Crossing Replacements – 2017-020 Bid Evaluation

Dear Ms. Athias:

Chen Moore and Associates (CMA) has conducted a review of the lowest three bids received on October 2<sup>nd</sup> for the Aerial Utility Crossing Replacements – Bid No. 2017-020. The lowest bidder is Johnson-Davis, Inc. with a total bid of \$589,145.00.

The bid received by Johnson-Davis, Inc. was evaluated which findings indicate that the cost of line items described as "Remove and Dispose of Existing Pipe", "Structural Pipe Support", and "Restore Sod" are significantly higher than the engineer's cost estimate. However, the unit cost for these line items were in line with the average obtained from the lowest three bidders.

The three references submitted by the contractor were verified as part of the bid evaluation and positive feedback was obtained from two references. A third reference could not be contacted.

In conclusion, Johnson-Davis, Inc. received good reviews from references and was identified as the lowest bidder where some unit costs within the bid are higher in comparison to the engineer's cost estimate but in line with the average of the lowest three bidders.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Paula 3", is written over a horizontal line.

CHEN MOORE AND ASSOCIATES  
Paula A. Fonseca, P.E.  
Senior Engineer

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**CITY OF MARGATE –Aerial Utility Crossing Replacements**

**BID No. 2017-020**

**Contractor Reference Check**

***Date Bid Received:*** October 2, 2017

***Contractor:*** *Johnson-Davis Inc.*

**Reference #1:** City of Fort Pierce – Tracey Telle, Assistant City Engineer – (772)-467-3776

**Contact Date:** October 5, 2017

- 1.) Has the contractor worked with you? **Yes**
- 2.) In what role? (Reference was PM, Client, Owner, etc.) **Owner/Project Manager**
- 3.) What projects/type of projects? (Demo, utilities, etc.): **Johnson-Davis has constructed many projects within the City of Fort Pierce including:**
  - **Canal excavation and stabilization projects including box culverts and headwalls**
  - **Underground utilities (storm drainage, potable water, sanitary sewer)**
  - **Roadway reconstruction**
- 4.) Was the project on time\on budget? **Yes**
- 5.) Were there any change orders (Owner or Contractor driven)? **Yes, owner requested changes due to scope of construction changes.**
- 6.) How would you rate them? **Excellent**
- 7.) Would you use them again? **Yes, they recently were awarded a 5-year continuing service contract with the city for emergency drainage repairs.**
- 8.) Any claims? **No**
- 9.) General Comments: **Johnson-Davis management and field crews are very dedicated and conscientious workers who will provide ideas for cost-saving options to incorporate into projects. The City of Fort Pierce is very happy with the service and quality of work.**

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**Reference #2:** Town of Jupiter – Amanda Barnes, Assistant Director Utilities- (561)-741-2537

**Contact Date:** October 2, 2017

- 1.) Has the contractor worked with you? **Yes**

- 2.) In what role? (Reference was PM, Client, Owner, etc.) **General contracting, multiple projects, underground water main emergency work, underground utility.**
- 3.) What projects/type of projects? (Demo, utilities, etc.) **Multiple projects, underground water main, emergency work, underground utility, replacement of existing water mains, drainage structures, repairs, infrastructure, replacement of large meters, relocation of piping.**
- 4.) Was the project on time\on budget? **Yes, on time and on budget**
- 5.) Were there any change orders (Owner or Contractor driven)? **Yes, they were typically owner initiated.**
- 6.) How would you rate them? **9**
- 7.) Would you use them again? **Yes**
- 8.) Any claims? **No**
- 9.) General Comments: **Good contractors, they do excellent work, very responsive to our needs, and very responsible.**

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**Reference #3:** Cheney Brothers– Warren Newell, Director of Development – (561)-845-4700  
**Contact Date:** Reference could not be contacted via phone or e-mail as of 10/9/2017

- 1.) Has the contractor worked with you?
  - 2.) In what role? (Reference was PM, Client, Owner, etc.):
  - 3.) What projects/type of projects? (Demo, utilities, etc.):
  - 4.) Was the project on time\on budget?
  - 5.) Were there any change orders (Owner or Contractor driven)?
  - 6.) How would you rate them?
  - 7.) Would you use them again?
  - 8.) Any claims?
  - 9.) General Comments:
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BID 2017-020  
AERIAL UTILITY CROSSING REPLACEMENTS  
BID TABULATION

ITEM No.	DESCRIPTION	UNIT	QUANTITY	JOHNSON DAVIS, INC.		C & W PIPELINE, INC.		INTERCOUNTY ENGINEERING, INC.	
				UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
1	BONDS AND INSURANCE	LS	1	\$ 14,000.00	\$ 14,000.00	\$ 28,000.00	\$ 28,000.00	\$ 27,600.00	\$ 27,600.00
2	MOBILIZATION	LS	1	\$ 27,000.00	\$ 27,000.00	\$ 115,000.00	\$ 115,000.00	\$ 54,000.00	\$ 54,000.00
3	MAINTENANCE OF TRAFFIC	LS	1	\$ 18,000.00	\$ 18,000.00	\$ 43,000.00	\$ 43,000.00	\$ 25,000.00	\$ 25,000.00
4	PERMIT FEES	AL	1	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
	SITE 3 WATER MAIN REPLACEMENT								
5	REMOVE AND DISPOSE OF EXISTING PIPE UP TO 12" DIAMETER	LF	71	\$ 40.00	\$ 2,840.00	\$ 22.00	\$ 1,562.00	\$ 100.00	\$ 7,100.00
6	FURNISH AND INSTALL 8" DIP WM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	#N/A	71	\$ 350.00	\$ 24,850.00	\$ 220.00	\$ 15,620.00	\$ 225.00	\$ 15,975.00
7	FURNISH AND INSTALL WATER MAIN FITTINGS	LB	880	\$ 3.00	\$ 2,640.00	\$ 3.00	\$ 2,640.00	\$ 11.00	\$ 9,680.00
8	CONNECT TO EXISTING PIPE	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 3,500.00	\$ 7,000.00	\$ 900.00	\$ 1,800.00
9	FURNISH & INSTALL 8" GATE VALVE <sup>1</sup>	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 4,500.00	\$ 4,500.00	\$ 3,100.00	\$ 3,100.00
10	STRUCTURAL PIPE SUPPORT	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 3,700.00	\$ 3,700.00
11	CONSTRUCT MISCELLANEOUS CONCRETE	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,850.00	\$ 1,850.00	\$ 5,000.00	\$ 5,000.00
12	CONCRETE SIDEWALK RESTORATION 4" THICK	SY	20	\$ 100.00	\$ 2,000.00	\$ 40.00	\$ 800.00	\$ 220.00	\$ 4,400.00
13	RESTORE SOD	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00
14	ASPHALT CONCRETE PAVEMENT RESTORATION	SY	9	\$ 100.00	\$ 900.00	\$ 140.00	\$ 1,260.00	\$ 225.00	\$ 2,025.00
	SITE 7 WATER MAIN REPLACEMENT								
15	REMOVE AND DISPOSE OF EXISTING PIPE UP TO 12" DIAMETER	LF	72	\$ 40.00	\$ 2,880.00	\$ 22.00	\$ 1,584.00	\$ 100.00	\$ 7,200.00
16	FURNISH AND INSTALL 12" DIP WM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	72	\$ 350.00	\$ 25,200.00	\$ 235.00	\$ 16,920.00	\$ 450.00	\$ 32,400.00
17	FURNISH AND INSTALL PRESSURE MAIN FITTINGS	LB	600	\$ 3.00	\$ 1,800.00	\$ 3.00	\$ 1,800.00	\$ 9.00	\$ 5,400.00
18	FURNISH AND INSTALL AIR RELEASE VALVE	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 9,500.00	\$ 9,500.00	\$ 1,500.00	\$ 1,500.00
19	FURNISH AND INSTALL NEW FAN GUARD	EA	2	\$ 2,500.00	\$ 5,000.00	\$ 4,500.00	\$ 9,000.00	\$ 2,600.00	\$ 5,200.00
20	CONNECT TO EXISTING PIPE	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 10,000.00	\$ 20,000.00	\$ 1,000.00	\$ 2,000.00
21	STRUCTURAL SUPPORT FOR PIPE	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 6,000.00	\$ 6,000.00	\$ 3,200.00	\$ 3,200.00
22	MISCELLANEOUS CONCRETE AND RESTORATION	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 1,850.00	\$ 1,850.00	\$ 2,000.00	\$ 2,000.00
23	RESTORE SOD	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00
24	REMOVE AND REPLACE FENCE	LF	60	\$ 20.00	\$ 1,200.00	\$ 36.00	\$ 2,160.00	\$ 25.00	\$ 1,500.00
	SITE 10 WATER MAIN REPLACEMENT								
25	REMOVE AND DISPOSE OF EXISTING PIPE UP TO 12" DIAMETER	LF	120	\$ 30.00	\$ 3,600.00	\$ 22.00	\$ 2,640.00	\$ 100.00	\$ 12,000.00
26	FURNISH AND INSTALL 10" DIP WM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	120	\$ 300.00	\$ 36,000.00	\$ 250.00	\$ 30,000.00	\$ 240.00	\$ 28,800.00
27	FURNISH AND INSTALL WATER MAIN FITTINGS	LB	820	\$ 3.00	\$ 2,460.00	\$ 3.00	\$ 2,460.00	\$ 9.00	\$ 7,380.00
28	FURNISH AND INSTALL AIR RELEASE VALVE	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 9,500.00	\$ 9,500.00	\$ 1,200.00	\$ 1,200.00
29	FURNISH AND INSTALL GATE VALVE	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 4,800.00	\$ 4,800.00	\$ 4,000.00	\$ 4,000.00
30	CONNECT TO EXISTING PIPE	EA	2	\$ 4,000.00	\$ 8,000.00	\$ 5,500.00	\$ 11,000.00	\$ 1,500.00	\$ 3,000.00
31	CORE DRILLING THROUGH CONCRETE	LS	1	\$ 2,500.00	\$ 2,500.00	\$ 3,500.00	\$ 3,500.00	\$ 4,000.00	\$ 4,000.00
32	MISCELLANEOUS CONCRETE AND RESTORATION	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,850.00	\$ 1,850.00	\$ 5,000.00	\$ 5,000.00
33	RESTORE CONCRETE SIDEWALK	SY	28	\$ 100.00	\$ 3,000.00	\$ 60.00	\$ 1,800.00	\$ 220.00	\$ 6,600.00
34	RESTORE SOD	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,500.00	\$ 6,500.00
35	REMOVE AND REPLACE FENCE	LF	80	\$ 20.00	\$ 1,600.00	\$ 36.00	\$ 2,880.00	\$ 32.00	\$ 2,560.00
36	TREE REMOVAL AND/OR RELOCATION	EA	2	\$ 400.00	\$ 800.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00
	SITE 11 WATER MAIN REPLACEMENT								
37	REMOVE AND DISPOSE OF EXISTING PIPE UP TO 12" DIAMETER	LF	95	\$ 40.00	\$ 3,800.00	\$ 22.00	\$ 2,090.00	\$ 85.00	\$ 8,075.00
38	FURNISH AND INSTALL 6" DIP WM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	125	\$ 300.00	\$ 28,500.00	\$ 210.00	\$ 19,950.00	\$ 245.00	\$ 23,275.00
39	FURNISH AND INSTALL WATER MAIN FITTINGS	LB	400	\$ 3.00	\$ 1,200.00	\$ 3.00	\$ 1,200.00	\$ 9.00	\$ 3,600.00
40	FURNISH AND INSTALL AIR RELEASE VALVE - ON THE SIDE OF PIPE	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 9,500.00	\$ 9,500.00	\$ 900.00	\$ 900.00
41	CONNECT TO EXISTING PIPE	EA	2	\$ 3,500.00	\$ 7,000.00	\$ 3,500.00	\$ 7,000.00	\$ 550.00	\$ 1,100.00
42	STRUCTURAL SUPPORT FOR PIPE	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00	\$ 6,000.00	\$ 1,800.00	\$ 1,800.00
43	CORE DRILLING THROUGH CONCRETE	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,000.00	\$ 2,000.00
44	MISCELLANEOUS CONCRETE AND RESTORATION	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,850.00	\$ 1,850.00	\$ 3,200.00	\$ 3,200.00
45	RESTORE CONCRETE SIDEWALK	SY	16	\$ 100.00	\$ 1,600.00	\$ 60.00	\$ 960.00	\$ 120.00	\$ 1,920.00
46	RESTORE SOD	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 1,500.00	\$ 1,500.00	\$ 4,500.00	\$ 4,500.00
	SITE 13 WATER MAIN AND FORCE MAIN REPLACEMENT								
47	REMOVE AND DISPOSE OF EXISTING PIPE UP TO 12" DIAMETER	LF	240	\$ 20.00	\$ 5,000.00	\$ 22.00	\$ 5,500.00	\$ 110.00	\$ 27,500.00
48	FURNISH AND INSTALL 6" DIP WM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	115	\$ 250.00	\$ 33,750.00	\$ 205.00	\$ 27,675.00	\$ 250.00	\$ 33,750.00
49	FURNISH AND INSTALL 8" DIP FM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	125	\$ 375.00	\$ 43,125.00	\$ 235.00	\$ 27,025.00	\$ 400.00	\$ 46,000.00
50	FURNISH AND INSTALL WATER & FORCE MAIN FITTINGS	LB	1000	\$ 4.00	\$ 4,000.00	\$ 3.00	\$ 3,000.00	\$ 15.00	\$ 15,000.00
51	FURNISH AND INSTALL AIR RELEASE VALVE	EA	2	\$ 2,000.00	\$ 4,000.00	\$ 9,500.00	\$ 19,000.00	\$ 3,000.00	\$ 6,000.00
52	FURNISH AND INSTALL 6" GATE VALVE	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 3,800.00	\$ 3,800.00	\$ 4,000.00	\$ 4,000.00
53	FURNISH AND INSTALL 8" PLUG VALVE	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 6,850.00	\$ 6,850.00	\$ 4,200.00	\$ 4,200.00
54	CONNECT TO EXISTING PIPE	EA	4	\$ 4,500.00	\$ 18,000.00	\$ 3,500.00	\$ 14,000.00	\$ 1,000.00	\$ 4,000.00
55	STRUCTURAL SUPPORT FOR PIPE	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,500.00	\$ 6,500.00
56	MISCELLANEOUS CONCRETE AND RESTORATION	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,850.00	\$ 1,850.00	\$ 7,500.00	\$ 7,500.00
57	RESTORE CONCRETE SIDEWALK	SY	41	\$ 100.00	\$ 4,500.00	\$ 60.00	\$ 2,700.00	\$ 120.00	\$ 5,400.00
58	REMOVE AND REPLACE FENCE	LF	60	\$ 20.00	\$ 1,200.00	\$ 24.00	\$ 1,440.00	\$ 35.00	\$ 2,100.00
59	RESTORE SOD	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,500.00	\$ 6,500.00
	SITE 18 WATER MAIN AND FORCE MAIN REPLACEMENT								
60	REMOVE AND DISPOSE OF EXISTING PIPE UP TO 12" DIAMETER	LF	217	\$ 20.00	\$ 4,800.00	\$ 22.00	\$ 5,280.00	\$ 100.00	\$ 24,000.00
61	FURNISH AND INSTALL 10" DIP WM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	131	\$ 270.00	\$ 37,800.00	\$ 225.00	\$ 31,500.00	\$ 135.00	\$ 18,900.00
62	FURNISH AND INSTALL 6" DIP FM (FLANGED WITH HIGH PERFORMANCE COATING WHEN ABOVE GROUND)	LF	97	\$ 320.00	\$ 32,000.00	\$ 200.00	\$ 20,000.00	\$ 325.00	\$ 32,500.00
63	FURNISH AND INSTALL WATER & FORCE MAIN FITTINGS	LB	2700	\$ 4.00	\$ 10,800.00	\$ 3.00	\$ 8,100.00	\$ 10.00	\$ 27,000.00
64	FURNISH AND INSTALL AIR RELEASE VALVE	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 9,500.00	\$ 9,500.00	\$ 2,200.00	\$ 2,200.00
65	FURNISH AND INSTALL AIR RELEASE VALVE - ON THE SIDE OF PIPE	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 10,000.00	\$ 10,000.00	\$ 2,600.00	\$ 2,600.00
66	CONNECT TO EXISTING PIPE	EA	4	\$ 3,000.00	\$ 12,000.00	\$ 3,500.00	\$ 14,000.00	\$ 1,500.00	\$ 6,000.00
67	STRUCTURAL SUPPORT FOR PIPE	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 3,200.00	\$ 3,200.00	\$ 7,000.00	\$ 7,000.00
68	CORE DRILLING THROUGH CONCRETE	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,800.00	\$ 1,800.00	\$ 4,500.00	\$ 4,500.00
69	CONSTRUCT MISCELLANEOUS CONCRETE	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,850.00	\$ 1,850.00	\$ 17,000.00	\$ 17,000.00
70	CONCRETE SIDEWALK RESTORATION	SY	60	\$ 100.00	\$ 6,000.00	\$ 60.00	\$ 3,600.00	\$ 150.00	\$ 9,000.00
71	RESTORE SOD	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 1,800.00	\$ 1,800.00	\$ 3,500.00	\$ 3,500.00
72	ASPHALT CONCRETE PAVEMENT RESTORATION	SY	42	\$ 100.00	\$ 4,200.00	\$ 48.00	\$ 2,016.00	\$ 125.00	\$ 5,250.00
	ALLOWANCE		1	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
	COST OF INDEMNIFICATION		1	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00

1. This item only to be used with Owner's approval

TOTALS	\$	589,145.00	\$	688,112.00	\$	715,190.00
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