

**BID COMPILATION  
FOR  
WEKIVA RELIABILITY IMPROVEMENTS - UTILITIES INC. OF FLORIDA**

Item #	Description	Unit	Quantity	Unit Price	Amount	Florida Environmental Construction		Wharton Smith		Garney		McMahon	
						Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
<b>GENERAL</b>													
1	Mobilization/General Conditions	LS	1	\$ 500,000.00	\$ 550,000.00	\$ 590,000.00	\$ 590,000.00	\$ 510,000.00	\$ 510,000.00				
2	Payment and Performance Bonding	LS	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
3	Project Closeout/Record Drawings	LS	1	\$ 20,000.00	\$ 22,000.00	\$ 34,000.00	\$ 34,000.00	\$ 40,000.00	\$ 40,000.00				
4	Construction Testing	LS	1	\$ 10,000.00	\$ 11,000.00	\$ 35,000.00	\$ 35,000.00	\$ 40,000.00	\$ 40,000.00				
<b>SITE WORK</b>													
5	Landscaping	LS	1	\$ 50,000.00	\$ 55,000.00	\$ 104,000.00	\$ 104,000.00	\$ 150,000.00	\$ 150,000.00				
6	Site Grading	LS	1	\$ 30,000.00	\$ 33,000.00	\$ 238,750.00	\$ 238,750.00	\$ 160,000.00	\$ 160,000.00				
7	Concrete Drive	CY	200		\$ -	\$ 540.00	\$ 108,000.00	\$ 650.00	\$ 130,000.00				
8	Asphalt Drive	SY	500		\$ -	\$ 25.00	\$ 12,500.00	\$ 40.00	\$ 20,000.00				
9	Mill and Resurface Asphalt	SY	4,000	\$ 11.31	\$ 49,764.00	\$ 24.50	\$ 98,000.00	\$ 32.00	\$ 128,000.00				
10	Concrete Sidewalks	SY	900	\$ 37.20	\$ 36,828.00	\$ 77.00	\$ 69,300.00	\$ 100.00	\$ 90,000.00				
11	Bollards	EA	17	\$ 940.00	\$ 17,578.00	\$ 940.00	\$ 15,980.00	\$ 1,450.00	\$ 24,650.00				
12	Std Pipe Supports	EA	18	\$ 1,275.00	\$ 25,245.00	\$ 1,275.00	\$ 22,950.00	\$ 2,000.00	\$ 36,000.00				
<b>DEMOLITION</b>													
13	Demolition	LS	1	\$ 200,672.00	\$ 220,739.20	\$ 261,520.00	\$ 261,520.00	\$ 340,000.00	\$ 340,000.00				
<b>BLOWER FACILITIES</b>													
14	Building	EA	1	\$ 60,000.00	\$ 66,000.00	\$ 108,738.00	\$ 108,738.00	\$ 100,000.00	\$ 100,000.00				
15	Blowers	EA	3	\$ 400,000.00	\$ 1,320,000.00	\$ 298,350.00	\$ 895,050.00	\$ 365,000.00	\$ 1,095,000.00				
16	Blower Installation	LS	1		\$ -	\$ 65,000.00	\$ 65,000.00	\$ 95,000.00	\$ 95,000.00				
17	20" SCH10 Stainless Steel Pipe & Fittings	LF	400	\$ 400.00	\$ 176,000.00	\$ 595.00	\$ 238,000.00	\$ 750.00	\$ 300,000.00				
18	12" SCH10 Stainless Steel Pipe & Fittings	LF	15	\$ 300.00	\$ 4,950.00	\$ 1,250.00	\$ 18,750.00	\$ 2,000.00	\$ 30,000.00				
19	8" Iris Valve	EA	3	\$ 18,000.00	\$ 59,400.00	\$ 21,200.00	\$ 63,600.00	\$ 23,000.00	\$ 69,000.00				
20	12" Butterfly Valves	EA	3	\$ 3,000.00	\$ 9,900.00	\$ 4,000.00	\$ 12,000.00	\$ 5,400.00	\$ 16,200.00				
21	Air Pipe Overhead supports	LS	1	\$ 34,100.00	\$ 37,510.00	\$ 10.00	\$ 10.00	\$ 10,000.00	\$ 10,000.00				
22	16" SSteel Blower Line (including fittings)	LF	60	\$ 400.00	\$ 26,400.00	\$ 1,340.00	\$ 80,400.00	\$ 1,867.00	\$ 112,000.00				
<b>LIFT STATION NOT USED</b>													
23	Submersible Pumps	EA	2	\$ 35,000.00	\$ 77,000.00		\$ -		\$ -	NO BID		NO BID	
24	Pump Station (including concrete slab and all above grade piping and fittings)	LS	1	\$ 113,539.00	\$ 124,892.90		\$ -		\$ -				
<b>SOLIDS HANDLING &amp; DISINFECTION BUILDING</b>													
25	Building	LS	1	\$ 120,000.00	\$ 132,000.00	\$ 127,625.00	\$ 127,625.00	\$ 140,000.00	\$ 140,000.00				
26	Solids Handling Piping, Valves, & Fittings	LS	1	\$ 35,000.00	\$ 38,500.00	\$ 106,000.00	\$ 106,000.00	\$ 137,000.00	\$ 137,000.00				
27	Relocate Belt Filter Press & Associated Equipment	LS	1		\$ -	\$ 125,000.00	\$ 125,000.00	\$ 160,000.00	\$ 160,000.00				
28	Drain System	LS	1	\$ 25,000.00	\$ 27,500.00	\$ 8,000.00	\$ 8,000.00	\$ 15,000.00	\$ 15,000.00				
29	Eyewash Station	LS	2	\$ 3,000.00	\$ 6,600.00	\$ 8,000.00	\$ 16,000.00	\$ 10,000.00	\$ 20,000.00				
30	Sodium Hypochlorite Tanks	EA	2		\$ -	\$ 34,750.00	\$ 69,500.00	\$ 42,500.00	\$ 85,000.00				
31	Sodium Hypochlorite Triplex Pump Skid	EA	1	\$ 30,000.00	\$ 33,000.00	\$ 87,500.00	\$ 87,500.00	\$ 110,000.00	\$ 110,000.00				
32	Sodium Hypochlorite Piping	LS	1	\$ 8,000.00	\$ 8,800.00	\$ 29,700.00	\$ 29,700.00	\$ 25,000.00	\$ 25,000.00				
<b>STORAGE AND DECHLORINATION BUILDING</b>													
33	Building	EA	1	\$ 70,000.00	\$ 77,000.00	\$ 124,000.00	\$ 124,000.00	\$ 115,000.00	\$ 115,000.00				
34	Relocate Sodium Bisulfite Tank	LS	1		\$ -	\$ 13,000.00	\$ 13,000.00	\$ 19,000.00	\$ 19,000.00				
35	Sodium Bisulfite Duplex Pump Skid	EA	1	\$ 20,000.00	\$ 22,000.00	\$ 46,000.00	\$ 46,000.00	\$ 77,000.00	\$ 77,000.00				
<b>TERTIARY FILTERS</b>													
36	Tertiary Filters	EA	2	\$ 633,000.00	\$ 1,392,600.00	\$ 543,700.00	\$ 1,087,400.00	\$ 550,000.00	\$ 1,100,000.00				
37	Filter Installation	LS	1		\$ -	\$ 79,000.00	\$ 79,000.00	\$ 100,000.00	\$ 100,000.00				
38	20" Piping & Fittings	LF	150	\$ 330.68	\$ 54,562.20	\$ 585.00	\$ 87,750.00	\$ 620.00	\$ 93,000.00				
39	20" Butterfly Valves	EA	4	\$ 6,000.00	\$ 26,400.00	\$ 6,250.00	\$ 25,000.00	\$ 6,000.00	\$ 24,000.00				
40	16" Pipe & Fittings	LF	165	\$ 199.38	\$ 36,187.47	\$ 341.00	\$ 56,265.00	\$ 450.00	\$ 74,250.00				
41	16" Butterfly Valves	EA	2	\$ 4,767.00	\$ 10,487.40	\$ 5,000.00	\$ 10,000.00	\$ 4,000.00	\$ 8,000.00				
42	6" Backwash Pipe and Fittings	LF	165		\$ -	\$ 135.00	\$ 22,275.00	\$ 250.00	\$ 41,250.00				
43	Walkways, Stairs, and Handrail	LS	1		\$ -	\$ 59,670.00	\$ 59,670.00	\$ 75,000.00	\$ 75,000.00				
<b>ELECTRICAL</b>													
44	Electrical	LS	1	\$ 596,884.00	\$ 656,572.40	\$ 480,588.00	\$ 480,588.00	\$ 467,000.00	\$ 467,000.00				
45	Instrumentation and Controls	LS	1		\$ -	\$ 249,000.00	\$ 249,000.00	\$ 250,000.00	\$ 250,000.00				
<b>GRAND TOTAL</b>					\$ 5,445,416.57	\$ 5,980,821.00	\$ 6,631,350.00						

SECTION 00410  
BID FORM

PART 1 GENERAL

1.01 Description

The following Bid, for the Wekiva Hunt Club WRF Reliability Improvements, is hereby made to Utilities Inc., hereafter called the Owner. This Bid is submitted by (1) \_\_\_\_\_

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC.  
PO Box 305  
Howey in the Hills, FL 34737

(1) Name, address, and telephone number of Bidder

1.02 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number	<u>  1  </u>	Dated	<u>  4/4/19  </u>
		Number	<u>          </u>	Dated	<u>          </u>
		Number	<u>          </u>	Dated	<u>          </u>
		Number	<u>          </u>	Dated	<u>          </u>

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.
2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
4. To accomplish the work in accordance with the Contract Documents.
5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 360 calendar days of the date of the Notice to Proceed.

6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

**1.03 Lump Sum Price**

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ SIX MILLION THREE HUNDRED FIFTY FIVE THOUSAND SEVEN HUNDRED SEVENTY TWO DOLLARS (\$ 6,355,772 - ).

**1.04 Schedule of Values**

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

Item #	Description	Unit	Quantity	Unit Price	Amount
<b>GENERAL</b>					
1	Mobilization/General Conditions	LS	1	600,000-	600,000 -
2	Payment and Performance Bonding	LS	1	100,000-	100,000 -
3	Project Closeout/Record Drawings	LS	1	34,000-	34,000 -
4	Construction Testing	LS	1	35,000-	35,000 -
<b>SITE WORK</b>					
5	Landscaping	LS	1	104,000-	104,000 -
6	Site Grading	LS	1	238,750-	238,750 -
7	Concrete Drive	CY	200	540-	108,000 -
8	Asphalt Drive	SY	500	25-	12,500 -
9	Mill and Resurface Asphalt	SY	4,000	24.50	98,000 -
10	Concrete Sidewalks	SY	900	77-	69,300 -
11	Bollards	EA	17	940-	15,980 -
12	Std Pipe Supports	EA	18	1275-	22,950 -
<b>DEMOLITION</b>					
13	Demolition	LS	1	296,520-	296,520 -
<b>BLOWER FACILITIES</b>					
14	Building	EA	1	108,738-	108,738 -
15	Blowers	EA	3	315,000-	945,000 -
16	Blower Installation	LS	1	65,000-	65,000 -

Utilities Inc.

Wekiva Hunt Club WRF Reliability Improvements

00410-3

17	20" SCH10 Stainless Steel Pipe & Fittings	LF	400	595-	238,000-
18	12" SCH10 Stainless Steel Pipe & Fittings	LF	15	1,250-	18,750-
19	8" Iris Valve	EA	3	21,200-	63,600-
20	12" Butterfly Valves	EA	3	4,000-	12,000-
21	Air Pipe Overhead supports	LS	1	10-	10-
22	16" SSteel Blower Line (including fittings)	LF	<del>430</del> 60	1,340-	80,400-
<b>LIFT STATION</b>					
23	Submersible Pumps	EA	2	39,063-	78,126-
24	Pump Station (including concrete slab and all above grade piping and fittings)	LS	1	141,875-	141,875-
<b>SOLIDS HANDLING &amp; DISINFECTION BUILDING</b>					
25	Building	LS	1	127,625-	127,625-
26	Solids Handling Piping, Valves, & Fittings	LS	1	106,000-	106,000-
27	Relocate Belt Filter Press & Associated Equipment	LS	1	125,000-	125,000-
28	Drain System	LS	1	8,000-	8,000-
29	Eyewash Station	LS	2	8,000-	16,000-
30	Sodium Hypochlorite Tanks	EA	2	34,750-	69,500-
31	Sodium Hypochlorite Triplex Pump Skid	EA	1	87,500-	87,500-
32	Sodium Hypochlorite Piping	LS	1	29,700-	29,700-
<b>STORAGE AND DECHLORINATION BUILDING</b>					
33	Building	EA	1	124,000-	124,000-
34	Relocate Sodium Bisulfite Tank	LS	1	13,000-	13,000-
3135	Sodium Bisulfite Duplex Pump Skid	EA	1	41,000-	41,000-
<b>TERTIARY FILTERS</b>					
36	Tertiary Filters	EA	2	518,700-	1,037,400-
37	Filter Installation	LS	1	79,000-	79,000-
38	20" Piping & Fittings	LF	150	585-	87,750-
39	20" Butterfly Valves	EA	4	6,250-	25,000-
40	16" Pipe & Fittings	LF	165	341-	56,265-
41	16" Butterfly Valves	EA	2	5,000-	10,000-
42	6" Backwash Pipe and Fittings	LF	165	135-	22,275-
43	Walkways, Stairs, and Handrail	LS	1	59,670-	59,670-
<b>ELECTRICAL</b>					
44	Electrical	LS	1	490,588-	490,588-

Utilities Inc.

Wekiva Hunt Club WRF Reliability Improvements

00410-4

45	Instrumentation and Controls	LS	1	249,000 -	249,000 -
<b>GRAND TOTAL</b>			\$	6,355,772 -	

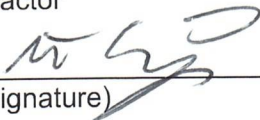
**1.05 Miscellaneous Requirements and Affirmations**

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
  - a. Bid Security complying with the requirements of the Bidding Documents.
  - b. Trench Safety Statement - Section 00430

**1.06** RESPECTFULLY SUBMITTED, signed and sealed this 22<sup>ND</sup> day of APRIL, 2019.

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC.

Contractor



4-22-19

By (Signature)

Date

ROBERT LIGHTSEY - PRESIDENT

Printed Name and Title

PO Box 305

Business Address

HOWEY IN THE HILLS, FL

34737

City

State

Zip Code

(CORPORATE SEAL)

407-402-2828

352-241-9716

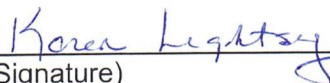
Telephone No.

Facsimile No.

feckarene@embargmail.com

E-Mail Address

ATTEST:



4-22-19

By (Signature)

Date

KAREN LIGHTSEY - VICE PRESIDENT

Printed Name and Title

**END OF SECTION**

SECTION 00410  
BID FORM

PART 1 GENERAL

1.01 Description

The following Bid, for the Wekiva Hunt Club WRF Reliability Improvements, is hereby made to Utilities Inc., hereafter called the Owner. This Bid is submitted by (1) \_\_\_\_\_  
Wharton-Smith, Inc.

\_\_\_\_\_  
750 Monroe Road, Sanford, FL 32771

\_\_\_\_\_  
Phone: 407.321.8410

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(1) Name, address, and telephone number of Bidder

1.02 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2. Addenda:      Number      One              Dated 04/05/2019  
                         Number      \_\_\_\_\_              Dated \_\_\_\_\_  
                         Number      \_\_\_\_\_              Dated \_\_\_\_\_  
                         Number      \_\_\_\_\_              Dated \_\_\_\_\_

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.

2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.

3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.

4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 360 calendar days of the date of the Notice to Proceed.

6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

### 1.03 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ \_\_\_\_\_  
six million nine hundred ninety-one thousand three hundred fifty Dollars (\$ 6,991,350 \_\_\_\_\_).

### 1.04 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

Item #	Description	Unit	Quantity	Unit Price	Amount
<b>GENERAL</b>					
1	Mobilization/General Conditions	LS	1	\$510,000	\$510,000
2	Payment and Performance Bonding	LS	1	\$50,000	\$50,000
3	Project Closeout/Record Drawings	LS	1	\$40,000	\$40,000
4	Construction Testing	LS	1	\$40,000	\$40,000
<b>SITE WORK</b>					
5	Landscaping	LS	1	\$150,000	\$150,000
6	Site Grading	LS	1	\$160,000	\$160,000
7	Concrete Drive	CY	200	\$650	\$130,000
8	Asphalt Drive	SY	500	\$40	\$20,000
9	Mill and Resurface Asphalt	SY	4,000	\$32	\$128,000
10	Concrete Sidewalks	SY	900	\$100	\$90,000
11	Bollards	EA	17	\$1,450	\$24,650
12	Std Pipe Supports	EA	18	\$2,000	\$36,000
<b>DEMOLITION</b>					
13	Demolition	LS	1	\$340,000	\$340,000
<b>BLOWER FACILITIES</b>					
14	Building	EA	1	\$100,000	\$100,000
15	Blowers	EA	3	\$365,000	\$1,095,000
16	Blower Installation	LS	1	\$95,000	\$95,000

**Utilities Inc.**

**Wekiva Hunt Club WRF Reliability Improvements**

**00410-9**

17	20" SCH10 Stainless Steel Pipe & Fittings	LF	400	\$750	\$300,000
18	12" SCH10 Stainless Steel Pipe & Fittings	LF	15	\$2,000	\$30,000
19	8" Iris Valve	EA	3	\$23,000	\$69,000
20	12" Butterfly Valves	EA	3	\$5,400	\$16,200
21	Air Pipe Overhead supports	LS	1	\$10,000	\$10,000
22	16" SSteel Blower Line (including fittings)	LF	<del>430</del> 70	\$1,600	\$112,000
<b>LIFT STATION</b>					
23	Submersible Pumps	EA	2	\$40,000	\$80,000
24	Pump Station (including concrete slab and all above grade piping and fittings)	LS	1	\$230,000	\$230,000
<b>SOLIDS HANDLING &amp; DISINFECTION BUILDING</b>					
25	Building	LS	1	\$140,000	\$140,000
26	Solids Handling Piping, Valves, & Fittings	LS	1	\$137,000	\$137,000
27	Relocate Belt Filter Press & Associated Equipment	LS	1	\$160,000	\$160,000
28	Drain System	LS	1	\$15,000	\$15,000
29	Eyewash Station	LS	2	\$10,000	\$20,000
30	Sodium Hypochlorite Tanks	EA	2	\$42,500	\$85,000
31	Sodium Hypochlorite Triplex Pump Skid	EA	1	\$110,000	\$110,000
32	Sodium Hypochlorite Piping	LS	1	\$25,000	\$25,000
<b>STORAGE AND DECHLORINATION BUILDING</b>					
33	Building	EA	1	\$115,000	\$115,000
34	Relocate Sodium Bisulfite Tank			\$19,000	\$19,000
3135	Sodium Bisulfite Duplex Pump Skid	EA	1	\$77,000	\$77,000
<b>TERTIARY FILTERS</b>					
36	Tertiary Filters	EA	2	\$550,000	\$1,100,000
37	Filter Installation	LS	1	\$100,000	\$100,000
38	20" Piping & Fittings	LF	150	\$620	\$93,000
39	20" Butterfly Valves	EA	4	\$6,000	\$24,000
40	16" Pipe & Fittings	LF	165	\$450	\$74,250
41	16" Butterfly Valves	EA	2	\$4,000	\$8,000
42	6" Backwash Pipe and Fittings	LF	165	\$250	\$41,250
43	Walkways, Stairs, and Handrail	LS	1	\$75,000	\$75,000
<b>ELECTRICAL</b>					
44	Electrical	LS	1	\$467,000	\$467,000



Utilities Inc.

Wekiva Hunt Club WRF Reliability Improvements

00410-10

45	Instrumentation and Controls	LS	1	\$250,000	\$250,000
<b>GRAND TOTAL</b>			\$ 6,991,350		

**1.05 Miscellaneous Requirements and Affirmations**

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
  - a. Bid Security complying with the requirements of the Bidding Documents.
  - b. Trench Safety Statement - Section 00430

**1.06** RESPECTFULLY SUBMITTED, signed and sealed this 22 day of April, 2019.

Wharton-Smith, Inc.

Contractor

*Ronald F. Davoli*

April 22, 2019

By (Signature)

Date

Ronald F. Davoli, President/CEO

Printed Name and Title

750 Monroe Road

Business Address

Sanford, FL 32771

City

State

Zip Code

407.321.8410

Telephone No.

407.327.6984

Facsimile No.

dawn.bragg05@gmail.com

E-Mail Address



(CORPORATE SEAL)

ATTEST:

*Devon A. Lewis*

April 22, 2019

By (Signature)

Date

Devon A. Lewis, Corporate Secretary

Printed Name and Title

**END OF SECTION**



## PROPOSAL

March 17, 2020

To: Steve Romano, P.E.  
Kimley-Horn & Associates, Inc.  
189 S Orange Ave. Suite 1000  
Orlando, FL 32801

### Re: 20" Potable Water Line Relocation – Wekiva Reliability Improvements

Florida Environmental Construction, Inc. will provide all parts, labor and equipment to do the following:

- Core existing manhole and new C-box. Install approximately 120 ft. of 8" sewer line from existing manhole to new C-box.
- Furnish and install new 24" SDR II HDPE pipe and 24" SDR II 90 bend with all necessary adapters and fittings under new solids handling building as per drawing furnished by Kimley-Horn.

Labor includes: Excavation, fill, testing, demo of existing 20" water line and existing sewer line.

Total Material \$ 52,582.00

Total Labor \$ 49,394.00

**Grand Total \$ 101,976.00**

**Proposal valid for 30 days from above date.**

Submitted by: Robert Lightsey  
Florida Environmental Const., Inc.

Date: 3/17/20

Accepted by: 

Date: 3/18/2020



## PROPOSAL

August 18, 2020

To: Utilities Inc. of Florida  
200 Weathersfield Ave.  
Altamonte Springs, FL 32714

Attn: Steve Romano, P.E.  
Kimley-Horn & Associates, Inc.

### Re: Sludge Press Upgrade – Wekiva WWTP

Florida Environmental Construction, Inc. will provide all parts, labor, and equipment to do the following:

- Upgrade the sludge press with a new aluminum hopper and laser retrofit to control pump.
- Furnish & install new metering pump and BLI ring on sludge line.
- Upgrade pipe from 6" DIP to 8" DIP as per the Kimley Horn drawing.
- All necessary electrical to integrate new pump and laser level system.

**TOTAL PRICE      \$ 82,065.00**

- Temporary sludge piping as requested.      **\$ 6,000.00**

**Proposal valid for 30 days from above date.**

Submitted by: Robert Lightsey  
Florida Environmental Const., Inc.

Accepted by: *Buyal. Gz*

Date: 8/18/20

Date: 9/1/2020



March 25, 2018

Bryan Gongre  
Utilities Inc., of Florida  
200 Weathersfield Ave.  
Altamonte Springs, FL 32714

Re: Wekiva WRF Facility Evaluation  
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the evaluating the Wekiva Hunt Club WRF in accordance with the Consent Order (OGC File No. 18-0103) related to the facility violations due to Hurricane Irma.

### **Project Understanding**

The Wekiva Water Reclamation Facility (WRF) is in the Sanlando service area located in western Seminole County. The facility consists of three 1 MGD package plants, a tertiary filtration system, and a high-level disinfection system. The effluent is disposed of primarily through the distribution of reclaimed water, however there is also an on-site rapid infiltration basin, and a surface water discharge. In September 2017, the facility experienced approximately a week of intermittent overflows at the facility due to Hurricane Irma. Additionally, the RIBs were overloaded and the surface water discharge exceeded its Phosphorus limit. The FDEP has issued a consent order on March 7<sup>th</sup> to the Utility generally stipulating that the facility must be evaluated to better protect against the eventuality of another similar sized storm. More specifically, the following schedule must be met:

1. An Engineer must be retained within 30 days to evaluate the facility.
2. Submit a report on the findings to FDEP within 90 days.
3. Apply for a permit for the improvements required by the evaluation within 90 days of FDEP approval of the report.
4. The improvements must be substantially complete within 365 days of the approval of the permit.

### **Scope of Services**

This scope is intended to satisfy the first two of the requirements listed above. The evaluation of the facility will be prepared based on several factors. First the facility will be compared against Class I Reliability criteria. Second the facility will be evaluated that the existing components are still capable of meeting the design needs. Third, necessary improvements will be prioritized according to the level of impact the improvement will have during emergency events.

This analysis will provide an evaluation of the existing components in the facility. This evaluation will include a comparison of the site as-is as compared to the Class I Reliability for redundancy. These investigative services shall include multiple visits to the existing facility to get a better understanding of the normal operating parameters for the facility as compared to the design conditions. The existing package plants are currently being rehabilitated, and likely contributed to the sanitary sewage

overflows. Preliminarily, the tertiary filters will be evaluated for their ability to meet Class I Reliability. Additionally, the facility will be reviewed for other deficiencies or infrastructure which limits the capacity of the facility during peak events.

The improvements identified in the analysis will then be investigated to determine the most effective solution. Each improvement will be evaluated for its technical feasibility, its impact on the capacity of the facility, its impact on the facility operations, and the overall cost of the improvement. The selected improvements will be tabulated with estimated costs and a schedule for their design and construction.

### Deliverables

The final deliverable will be a digital and hard copy of a facility evaluation. Once approved by the utility staff the report will be submitted to FDEP for review. Any comments or revisions required by FDEP will be completed and resubmitted as soon as possible to keep the overall project moving forward.

### Schedule

The draft report will be submitted to you for review by May 15<sup>th</sup>. The final report will be submitted to FDEP no later than June 4<sup>th</sup> in compliance with the 90 day timeline presented in the Consent Order.

### Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of \$27,500.

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours,  
**KIMLEY-HORN AND ASSOCIATES, INC.**

  
Steve Romano, PE  
Associate

  
Jon Martin, PE  
Sr. Vice President

**ACCEPTED BY:  
UTILITIES, INC. OF FLORIDA**

Bayard L. Song, Reg. Mgr.

Date: 3/26/2018



July 12, 2018

Bryan Gongre  
Utilities Inc., of Florida  
200 Weathersfield Ave.  
Altamonte Springs, FL 32714

Re: Wekiva WRF Reliability Improvements  
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the design of the improvements to the Wekiva Hunt Club WRF.

### **Project Understanding**

The Wekiva hunt Club WRF was recently evaluated to increase the treatment reliability to protect against extreme flow events. These improvements were described in a report submitted to FDEP in June and included the following improvements:

1. Blower replacement and control upgrades
2. Tertiary Filter capacity increase
3. Plant lift station improvements
4. Chemical system improvements

### **Scope of Services**

This scope is intended to describe the general methodology associated with the development of the plans and specification documents to complete this project.

**Task 1 – Blower Replacement.** The existing centrifugal blowers are located in the operations building. Rather than replace the blowers in the same location, which would require difficult bypassing and likely facility shutdowns, the new blowers will be placed in a new building to be located between the operations building and the belt filter press. There is currently an out of use solids filter bed in this area which will be demolished. A new blower building will be constructed to house the proposed high efficiency turbo-blowers. This design will include a new main air header which feeds the three treatment trains. This task is proposed to be completed for \$33,120 including \$12,500 in subconsultant fees.

**Task 2 – Filter Addition.** The existing filters have a total capacity of 2.9 MGD and do not meet Class I Reliability. The existing traveling bridge sand filters cannot be modified to increase their capacity. New tertiary disc filters will be designed to fit hydraulically between the biological treatment trains and the chlorine contact chambers. Two disc filters will be designed

with a total capacity of 3.5 MGD average day capacity. The new disc filters will backwash either to a new plant lift station or directly back to the headworks. The removal of the traveling bridge filter backwash flows may be enough to reduce the flows to the existing lift station to eliminate the need for an additional lift station. These overall flows will be evaluated in this task and the associated design will be completed. Additionally, a fourth surge pump will be added as part of this task. This task is proposed to be completed for \$73,480 including \$20,000 in subconsultant fees.

**Task 3 – Chemical System.** Two portions of the chemical systems will be updated or replaced. The aluminum sulfate (alum) system will be completely replaced. A new skid mounted chemical pumping system will be designed with a weatherproof enclosure. The sodium bisulfate system is used to dechlorinate any effluent that is discharged into Sweetwater creek. This system will be refurbished and relocated into a new enclosure. Both chemical systems will be integrated into the facility SCADA system for increased control and alarm notifications. This task is proposed to be completed for \$15,480 including \$2,500 in subconsultant fees.

**Task 4 – Permitting.** Permits will be required through the FDEP and Seminole County. The FDEP will require a major modification permit for these improvements. It is also recommended to request an increase in capacity to 3.5 MGD based on the recently constructed equalization tank. Additionally, a site plan permit will be required from Seminole County. This task is proposed to be completed for \$15,120 plus a permitting fee allowance of \$10,000 to be paid at direct cost without mark-up.

**Task 5 – Construction Services.** This project is preliminarily estimated at 2.5-3 million dollars and must be completed within a year. This will require substantial effort and coordination. We are proposing construction administration services including bidding, shop drawing review, and record drawings preparation. Additionally, we are proposing part time construction services which will include monthly progress review and attendance at a monthly meeting. This task is proposed to be completed for \$43,760 including \$15,000 in subconsultant fees.

### **Deliverables**

The final deliverable will be a digital and hard copy set of plans and specifications to be used in design. Review sets will be provided at the conceptual stage, 80% complete, and final design. Kimley-Horn will provide plans and specifications for bidding purposes to the contractors and will provide construction sets to the selected contractor. At the end of the project, record drawings will be prepared and submitted digitally and in hard copy.

### **Schedule**

We will provide our services as expeditiously as practicable with the goal completing the design and applying for the FDEP permit within 90 days of authorization.

**Fee and Expenses**

Kimley-Horn will perform these services for the total lump sum fee of \$191,320 including a \$10,000 allowance for permitting fees to be paid at the actual cost without markup.

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

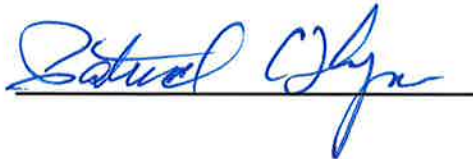
We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours,  
**KIMLEY-HORN AND ASSOCIATES, INC.**

Steve Romano, PE  
Associate

Jon Martin, PE  
Sr. Vice President

**ACCEPTED BY:  
UTILITIES, INC. OF FLORIDA**



Date: 8/2/18





November 15, 2018

Bryan Gongre  
Utilities, Inc. of Florida  
200 Weathersfield Ave  
Altamonte Springs, FL 32714

Re: Wekiva Reliability Improvements Change Order

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to improvements necessary to construct additional infrastructure at the Wekiva WRF.

### **Project Understanding**

The original scope of services included a new blower building, new tertiary filters, new chemical systems, and a new plant lift station. Since the original design, several additional tasks have been requested to complete the project. These include, landscaping and entrance improvements, additional demolition, removal and site design of a replacement storage building, and an additional increase in capacity to 4.0 MGD which entailed reconfiguring the headworks. Additionally, due to some of these changes, significant site layout modifications were made which changed the site plan and added the sludge dewatering building including the relocation of the belt filter press to the overall scope.

### **Scope of Services**

Landscaping and Entrance Improvements – Several options were designed to provide new landscaping, fencing, and entrance signage to the facility. These options were reviewed with staff and direction provided to complete the desired design. This design effort completed by our landscape architecture group is \$10,000.

Additional Demolition and Site Work – This work entailed the general cleanup of some of the old piping on site as well as setting up the site for milling and resurfacing the internal roadways. Additionally, four additional parking spaces were added to the project. This work was completed for \$5,000.

Storage Facility – The rear storage building is planned to be demolished and replaced with a smaller building. The existing building was evaluated by our structural forensic engineer and the site will be laid out for the new building. While this work will largely be designed by the building manufacturer, the site work and construction coordination work is still necessary. This work will be completed for \$10,000.

Capacity Increase Modifications – When the Shadow Hills flows were diverted to Wekiva, the flows jumped up over 3.5 MGD and sustained there for a significant period of time. The original plan for this facility's capacity was an increase to 3.5 MGD, which had already pushed the hydraulics of the influent structure as far as it could go. A new influent piping design was necessary to provide more reliability during wet season at the headworks structure. Additionally, the permitting documentation to support an increase to a capacity of 4.0 MGD had to be verified and revised. These modifications were completed for \$10,000.

Sludge Processing Building – During the review process, it was determined that it would be beneficial to operations and construction to relocate the belt filter press north to be roadside. This allowed the filters to be able to be relocated to make construction phasing significantly easier. This change added an additional building to the site and reconfigured the piping for the blower building, the filters and some of the chemical systems. It allows the grades to be modified and provides easier access and better hydraulics through the site. This significantly changes the site plan and required much of the onsite work to be redone. This work will be completed for an additional \$25,000.

**Additional Services**

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates.

**Information Provided By Client**

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. The Client shall provide all information necessary for the completion of this project that is available.

**Fee and Expenses**

Kimley-Horn will perform the services described for the total lump sum fee of \$65,000. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

**Closure**

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc., of Florida.

If you concur in all the foregoing and wish to direct us to proceed with the services, please have authorized persons execute both copies of this Agreement in the spaces provided below, retain one copy, and return the other to us. We will commence services only after we have received a fully-executed agreement. Fees and times stated in this Agreement are valid for sixty (60) days after the date of this letter.


To ensure proper set up of your projects so that we can get started, please complete and return with the signed copy of this Agreement the attached Request for Information. Failure to supply this information could result in delay in starting work on your project.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours,  
**KIMLEY HORN AND ASSOCIATES, INC.**



By: Steve Romano, PE  
Sr. Project Manager

Authorized by:   
Title: Sr. V. P.

**UTILITIES, INC. OF FLORIDA**

  
Bryan Congre, Regional Manager

Attachment – Standard Provisions