

AGENDA
MANDATORY PRE-BID MEETING
FLORIDA KEYS AQUEDUCT AUTHORITY

STOCK ISLAND DISTRIBUTION PUMP STATION
FKAA PROJECT #7052-18AC

Date: February 28, 2020, 9 am

1. DATES, CONTRACT DURATION AND COMPLETION

Bid Opening: April 7, 2020
Board Award: April 22, 2020
NTP: May 2020
Contract Duration: 700 Calendar Days: Substantial Completion
(will issue addendum) 30 Calendar Days: Final Completion

2. PROJECT PRINCIPAL PERSONNEL

Project Manager: *David Hackworth*
dhackworth@fkaa.com
Office: (305) 295-2152

Construction Manager: *Bubba Osterhoudt*
bosterhoudt@fkaa.com
Office: (305) 809-2560
Cell: (305) 797-8240

Contract Field Representative: *Joe White/Andy Patow*

Engineer: *Chris Reinbold/ Mike Boaz (Carollo)*

3. SUMMARY OF WORK

The work consists of demolishing the existing horizontal split case centrifugal pump station and associated structure and equipment, the steel maintenance building, and yard piping. The pump station will be replaced with a variable speed modular type pumping system similar to that of other existing FCAA pump stations. This pumping system, including suction and discharge piping, connection to existing piping, electrical components, and control system elements shall be incorporated into a prefabricated structure designed to meet local hurricane wind and storm surge requirements. A free

standing type auxiliary power generator in a self-contained weather proof enclosure, fuel storage tank, and automatic transfer switch will be incorporated adjacent to the facility. A prefabricated and pre-engineered, modular operations building with offices, a laboratory, kitchen, and restroom will be installed. The pumping and generator systems and operations building will be installed on a concrete slab which will have an elevation above the 100 year floor elevation. The construction will be sequenced such that the existing pumping systems and associated facility components remain in service until the new pump station is commissioned. (See attached presentation)

4. **BIDDING CONSIDERATIONS**

- Combined Unit Price - Lump Sum. Bid form review. Contingency for unforeseen conditions to be used at FKAA's discretion equaling \$500,000.
- Refer to Drawings and Technical Specifications
- All questions concerning this project will be due in writing to David Hackworth via e-Builder's Bidder Portal by the close of business March 31, 2020
- Acknowledgement of any addenda required with Bid Submission. Bid bond required if bid is \$200,000 or greater.
- All bids must be submitted through e-Builder.
- The CONTRACTOR may have access to the FKAA water supply by installing a backflow device and temporary construction meter on FKAA's water line in accordance with FKAA Policy 48-104.016 (Special Services). This policy can be found on the fkaa.com website under Resources/Customer Support/FKAA Policies/Rules and Regulations as revised 10.1.2018.pdf. The CONTRACTOR will be charged for water as a Hydrant Account, as described in the attachment. The current water rates, fees and charges are located at fkaa.com and attached herein.

5. **SPECIAL CONDITIONS**

- None

6. **LIQUIDATED DAMAGES**

The FKAA and the Contractor agree that as liquidated damages for delay (but not as a penalty). The amounts are in the Contract Documents. (FKAA will issue addendum so that Proposal matches the Contract Agreement)

7. **CONTRACTOR'S INSURANCE, BONDS and OTHER DOCUMENTS REQUIRED FOR CONTRACT ISSUANCE:**

- Certificates of Insurance
- Performance and Payment Bonds
- Florida Contractors License
- Project Construction Schedule
- Project Schedule of Values

8. PROJECT PERMITS

- The Contractor will need to comply with the FDEP permit to construct the facilities.

9. WORKING HOURS AND WORK RESTRICTIONS

- FKAA standard working hours are Monday through Friday, 8:00am until 5:00pm. A current list of observed holidays is available.
- Any work outside the standard working hours will have to be approved by FKAA's Construction Manager two (2) weeks in advance. During work outside standard working hours, the Contractor shall pay the hourly inspection rate of \$96.82 with a minimum of 8 hours.
- Contractor to coordinate all daily activities with FKAA field representative.
- Refer to Specification 01_14_00 for Construction Sequencing

10. UTILITIES AND/OR AGENCIES WITH COMMENTS OR CONCERNS RELATIVE TO THIS PROJECT

- Keys Energy (Power) – Keys Energy will be re-locating the overhead power lines underground in the vicinity of the pump station (see drawing)
- Keys Energy (Fiber) – Keys Energy will run new fiber optic cable for this project.
- Comcast (Fiber) – Comcast will run new fiber optic cable for this project.

11. SHOP DRAWINGS/RECORD DRAWINGS

Submittal Procedure: Contractor to submit copies of shop drawings and product data for FKAA review in accordance with submitted progress schedule through the Submittal Module within e-Builder. Please note that there is a penalty for reviewing any re-submittals after the second submittal.

Review Time: Twenty (20) working days, maximum.

Submittal Numbering: The numbering will be assigned through the Submittal Module within e-Builder.

Record Drawings: The Contractor shall maintain on a daily basis at the jobsite, and make available to the FKAA on request, one current record set of the Drawings which have been neatly and accurately marked up to indicate all modifications in the completed work that differ from the

design information shown on the drawings. Upon substantial completion and, prior to final payment of the work, the Contractor shall give the FKAA one complete set of neatly marked up Record Drawings.

12. CONTRACT MODIFICATION AND/OR CHANGE ORDER PROCEDURE

Potential Change Order (PCO) will be numbered as follows: PCO-001, PCO-002, etc., and be directed to Bubba Osterhoudt, Construction Manager, using

Change Orders over \$35,000 require approval of the Board of Directors and need to include all costs related and any additional time associated with the change.

13. PAYMENT APPLICATIONS

Cut-off Date will be the 25th of each month and needs to be submitted within five working days after that date.

A "Draft" of the Pay Request needs to be reviewed with the Contract Field Representative prior to being forwarded to the Main Office. The final pay request needs to be submitted through the Invoice Approval Process within e-Builder.

14. CONCERNS OF THE OWNER, CONTRACTOR, UTILITIES AND/OR AGENCIES

15. ENGINEER'S ESTIMATE

The Engineers estimate for the work is \$6.5 million with an additional contingency of 500,000.

15. MEETING ADJOURNED AT: 9:30 am

- Site visit

Bidders are required to conduct a site visit prior to submitting a bid for the work.

Specific restrictions apply to Hydrant Meters. The customer is responsible for payment of all water use registered through this meter. The customer is **never** permitted to move this meter/apparatus. **Only FCAA Operations Department can move an apparatus.** To move or relocate this meter, the customer must contact the FCAA who will process the request because any move/relocation of the meter requires that a different location number be assigned and a Relocate Fee be charged. The customer is responsible for the meter if it is lost, stolen or damaged. The customer can put their own lock on the meter if they wish.

PROCESS FOR ESTABLISHING A HYDRANT ACCOUNT:

This account is established in the same manner that you would any commercial account. You need a signed service agreement, corporate information verified, payment of all related connection charges (including a \$500 Deposit and calculation of estimated water to be used) and a Letter from the company on letterhead indicating:

1. What is the project for (including who they are contracted by)
2. Duration that they expect to need the meter
3. Where the water use will take place
4. Estimated daily consumption (to assure their demand does not negatively impact water pressures in the area).

Based on the information obtained from the customer, the FCAA will determine the specific Fire Hydrant on which the meter will be installed. The Customer Service Representative must call the Operations Department (in the area you are opening the account) to coordinate the installation and to make sure the FCAA has an available hydrant meter to install.

ASSOCIATED CHARGES:

1. Deposit for the account is \$500.00 (length of time does not matter)
2. A \$325.00 Hydrant Drop In fee.
3. One time Service Charge of \$20 .
4. Monthly base service charge (based on meter size)
5. Calculation of water use charges for estimated consumption.

48-104.016 SPECIAL SERVICE

Service provided under special agreement for a limited time only. Such Service shall be temporary and obtained from designated Authority facilities and equipment, subject to the following requirements:

- (1) Letter of request indicating reason and time frame for special service, and estimated water consumption to be used.
- (2) An Agreement for Service shall be executed prior to the providing Service including pre-payment of drop-in fee, estimated water to be used, Minimum Guaranteed Payment Deposit of \$500.00 or an amount equal to the estimated water usage and service charge.
- (3) Customer invoice will include Consumption Charge, Base Facility Charge, service charge and other applicable charges

**FLORIDA KEYS AQUEDUCT AUTHORITY
SUMMARY OF WATER RATES, FEES & CHARGES**

MONTHLY FEES & CHARGES

BASE FACILITY CHARGE 48-208.004

Meter Size	Effective 10/01/2019
5/8" x 3/4" Meter	\$ 16.10
1" Meter	40.29
1 1/2" Meter	80.54
2" Meter	128.88
3" Meter	241.63
4" Meter	399.81
6" Meter	806.96
8" Meter	1,288.65

CONSUMPTION CHARGE 48-208.004

Per Thousand Gallons, billed in 100 gallon increments

Meter Size	Block	Consumption Block	Effective 10/01/2019
5/8" x 3/4" Meter	1	0 - 6,000 gallons	\$6.76 ptg
	2	6,001 - 12,000 gallons	9.88 ptg
	3	12,001 - 30,000 gallons	11.08 ptg
	4	30,001 - 50,000 gallons	12.36 ptg
	5	Over 50,000 gallons	13.57 ptg
1" Meter	1	0 - 15,000 gallons	\$6.76 ptg
	2	15,001 - 30,000 gallons	9.88 ptg
	3	30,001 - 75,000 gallons	11.08 ptg
	4	75,001 - 125,000 gallons	12.36 ptg
	5	Over 125,000 gallons	13.57 ptg
1 1/2" Meter	1	0 - 30,000 gallons	\$6.76 ptg
	2	30,001 - 60,000 gallons	9.88 ptg
	3	60,001 - 150,000 gallons	11.08 ptg
	4	150,001 - 250,000 gallons	12.36 ptg
	5	Over 250,000 gallons	13.57 ptg
2" Meter	1	0 - 48,000 gallons	\$6.76 ptg
	2	48,001 - 96,000 gallons	9.88 ptg
	3	96,001 - 240,000 gallons	11.08 ptg
	4	240,001 - 400,000 gallons	12.36 ptg

	5	Over 400,000 gallons	13.57 ptg
3" Meter	1	0 - 90,000 gallons	\$6.76 ptg
	2	90,001 - 180,000 gallons	9.88 ptg
	3	180,001 - 450,000 gallons	11.08 ptg
	4	450,001 - 750,000 gallons	12.36 ptg
	5	over 750,000 gallons	13.57 ptg
4" Meter	1	0 - 150,000 gallons	\$6.76 ptg
	2	150,001 - 300,000 gallons	9.88 ptg
	3	300,001 - 750,000 gallons	11.08 ptg
	4	750,001 - 1,250,000 gallons	12.36 ptg
	5	over 1,250,000 gallons	13.57 ptg
6" Meter	1	0 - 300,000 gallons	\$6.76 ptg
	2	300,001 - 600,000 gallons	9.88 ptg
	3	600,001 - 1,500,000 gallons	11.08 ptg
	4	1,500,001 - 2,500,000 gallons	12.36 ptg
	5	over 2,500,000 gallons	13.57 ptg
8" Meter	1	0 - 480,000 gallons	\$6.76 ptg
	2	480,001 - 960,000 gallons	9.88 ptg
	3	960,001 - 2,400,000 gallons	11.08 ptg
	4	2,400,001 - 4,000,000 gallons	12.36 ptg
	5	over 4,000,000 gallons	13.57 ptg

RECLAIMED WATER CONSUMPTION CHARGE 48-401
Per Thousand Gallons, billed in 100 gallon increments

50% of each Potable Rate Block (see Consumption Charge Chart above)

FIRE SERVICE MONTHLY RATE 48-208.004

Line Size Effective 10/01/19

≤ 2"	\$ 11.85
3"	22.21
4"	36.96
6"	74.04
8"	118.43
10"	170.23
12"	229.45

MISCELLANEOUS WATER FEES AND CHARGES 48-208

Item	Section/Explanation	Amount
Tapping Fee 48-208.001(3)	(Meter Installation Fee) 5/8" x 3/4" Meter 5/8" x 3/4" Meter (T-10) 1" Meter 1 1/2" Meter 2" Meter 2" Compound Meter and larger meters	\$ 885.00 1,000.00 1,160.00 2,060.00 2,575.00 Actual Cost
Service Charge 48-208.001(6)	Business Hours After Hours, Weekends, Holidays	\$ 20.00 \$ 60.00
GPD Guarantee Payment Deposit 48-208.002(1)(2)	All new and re-established accounts is based on meter size	5/8".....\$90.00 1".....\$150.00 1 1/2".....\$300.00 2".....\$500.00 2 1/2".....\$700.00 3".....\$1,000.00 4".....\$3,500.00
Water Main Unit Cost Standard 48-208.003	Water Main Size: 2" Cost per lineal foot 4" cost per lineal foot 6" cost per lineal foot 8" cost per lineal foot 10" cost per lineal foot 12" cost per lineal foot	\$17.00 plf 25.00 plf 30.00 plf 51.00 plf 54.00 plf 64.00 plf
Non-Access Charge 48-208.001(8)	When meters cannot be read because they are covered by debris, vehicles, etc.	\$ 20.00
Tampering Charge 48-208.001(5)	1. Investigation Charge-Unauthorized Turn-on 2. Tampering Charge 3. Tampering Charge - Repeat Occurrence	\$ 75.00 150.00 300.00
Delinquent Account Charge 48-208.001(7)	Charge assessed when the account is not paid by the due date shown on the bill. (Not charged on balances of \$5.00 or less.)	Greater of: \$ 4.00 or 10% of outstanding balance
Plan Review Fee 48-208.005(3)	All construction requiring watermain extensions (aka: Utility Permit Application Fee)	\$ 360.00 Plus \$10 per 100 feet after the 1 st 100 feet
Leak Detection 48-208.005(6)		\$70.00 per hour

Meter Lid Keys 48-208.005(7)		\$7.50 per key
Fire Hydrant Flow Test 48-208.005(8)		\$70.00
Fire Hydrant/Fire Line Application Fee 48-208.005(9)		\$360.00 – first hydrant \$50.00 each additional hydrant
Fixture Review Fee 48-208.005(4)	Review of Development Plans for large single family and developments	\$ 50.00
Return Check/ Bank Draft 48-208.005(1)(b)	Fee charged when the bank does not honor a customer's check used to make payment on their account.	ck. Up to \$50: \$25 ck. \$50 to \$300: \$30 ck. Over \$300: Greater of: \$40 or 5% of Check
Meter Drop-In (New Meter Installation Only) 48-208.001(4)	5/8" x 3/4" Meter 5/8" x 3/4" Meter (T-10) 1" Meter 1 1/2" Meter 2" Meter 2" Compound Meter and larger meters	\$ 325.00 435.00 580.00 675.00 790.00 Actual Cost
Meter Relocation 48-208.001(9)		Actual Cost
Non-Potable Water 48-208.005 (5)	Emergency Non-Potable Water Deliver Charge (A service offered to residents on cisterns or wells in which the FKAA will deliver emergency non-potable water during the Dry Season.)	\$ 125.00

SYSTEM DEVELOPMENT CHARGE 48-208.001

Section/Explanation	Amount
RESIDENTIAL (Single Family-Standalone dwelling)	
a) When the premises is served by a single meter the SDC will be charged based on the size of meter to serve the premise	(Applicable to A, B & C) 5/8" Meter...\$3,750.00
b) When the premises is served by a Master Meter with individual units behind the Master Meter, SDC will be charged per	1" Meter...\$ 9,375.00

<p>unit based on the meter size which would be required to serve each residential unit</p> <p>c) Irrigation-Residential (Single Family). For residential Single Family property, which has not been developed and is not otherwise metered, the SDC for irrigation service will be based on the size of the meter.</p>	
<p>Residential (Multiple Unit) When the premises is a Residential (Multiple Unit), the SDC will be charged per unit basis:</p> <p>a) Residential - Multiple Unit – 3 units or Less</p> <p>b) Residential - Multiple Unit - Four Units or More</p> <p>c) Common Area facilities (including Irrigation) for Residential Multi-Unit shall be based on Fixture Values as established for Commercial Accounts.</p>	<p>(Applicable to A, B & C)</p> <p>a) \$3,188.00 per Unit</p> <p>b) \$2,813.00 per Unit</p> <p>c) \$75.00 per Fixture Value</p>
<p>COMMERCIAL</p> <p>a) Fixture Values on the total number of Fixture Values at a Premises or Water Service location (including irrigation), at a charge of \$75.00 for each Fixture Value</p> <p>b) Where Fixture Values cannot be determined, the meter-based SDC shall be charged as shown</p>	<p>\$75.00 Per Fixture Value</p> <p>Meter-Based SDC:</p> <p>5/8".....\$3,750.00</p> <p>1".....\$9,375.00</p> <p>1½"....\$18,750.00</p> <p>2".....\$30,000.00</p> <p>3".....\$56,250.00</p> <p>4".....\$93,750.00</p> <p>6"....\$187,500.00</p> <p>8"....\$300,000.00</p>

WATER RESTRICTION SURCHARGE (An automatic Surcharge Based on Mandatory Water Restriction Phase as declared by SFWMD)

15% Surcharge of the Consumption Charge (excluding consumption within Consumption Block 1)