



ADDENDUM NO. 1
TO THE CONTRACT DOCUMENTS
for the construction of the

Date: October 1, 2012
Project No.: 386409
FKAA Project No.: 4052-12

**CUDJOE REGIONAL WASTEWATER INNER ISLANDS
COLLECTION SYSTEM AND TRANSMISSION SYSTEM
FLORIDA KEYS AQUEDUCT AUTHORITY (FKAA)
FLORIDA CITY, FLORIDA**

To All Planholders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of the **CUDJOE REGIONAL WASTEWATER INNER ISLANDS COLLECTION SYSTEM AND TRANSMISSION SYSTEM** dated August 2012 as fully and completely as if the same were fully set forth therein:

A. Pre-Bid Meeting Minutes and Sign-In Sheet, Attached.

B. CONTRACTOR QUESTIONS AND ANSWER

Question 1: Can unit price bid items per SF be added to the contract for restoration items such as Concrete Driveway Restoration, Paver Driveway Restoration, Asphalt Driveway Restoration, and SOS restoration?

Answer 1: No, these items will not be broken out. These items are included in the individual bid items in the Payment procedures specification (Volume 1 of 7).

Question 2: There is a 15% locally owned business participation goal referenced in the bid documents. What bearing if any will this have on the award of the Contract? Assuming the low bidder does not meet this goal?

Answer 2: The 15% is a County goal only and will have no bearing on the award of the contract.

Question 3: In the FDEP Supplementary Conditions there is an Appendix A that I have had to fill out and submit with the bid in the past. Does this need to be submitted with the bid?

Answer 3: No it will be required only if the Owner receives State funds.

Question 4: The submission of the bid requires that 2 originals and 2 electronic copies be submitted with the bid. If last minute changes need to be made to the bid that cannot be included in the electronic copy will the owner allow the contractor to submit the revised electronic copy the following day?

Answer 4: No. Each Contractor will be given an electronic bid form for their use. Only two hard copy Bids will be required to be submitted.

Question 5: FDEP Supplementary Conditions Article 10 refers to DBE goals for CAP Grant Projects. Is this project considered a CAP Grant Project?

Answer 5: No.

Question 6: Pg. 13 of the proposal is missing the subtotal for culvert crossings and below that there is a subtotal for Cudjoe Key but it does not state which items are included in that total.

Answer 6: A revised Proposal will be issued with Addendum No. 1.

Question 7: Bid Item TR-5 "Restore Gravel Walkway & Driveway" show a measurement of FS, the measurement and payment section says it is to be paid per LF. Also is this specifically for the transmission main portion of the project or does this include all phases of the project?

Answer 7: This item is for the transmission main only and is intended to be paid in LF as described in Payment Procedures.

Question 8: The proposal provided has 2 allowance items that do not have a value A-2 Electrical Allowances and A-4 Emergency Demobilization / Mob Allowance, will a value be provided by the owner for these items?

Answer 8: The allowance amount for A-2 will be provided in the revised Proposal. Allowance A-4 has been deleted.

Question 9: In the Duck Key projects there have been extensive gravity sewer testing requirements. We have performed infiltration and exfiltration testing, video inspection to a ½" of deviation, and finally air testing. Will all these be required in the Cudjoe gravity sewer?

Answer 9: Yes, these are included in the Contract Documents (Volume 2 of 7).

Question 10: Are there and SLPS or DLPS on private property and if so has the owner obtained all easements?

Answer 10: Most SLPS and DLPS are on private property. The Owner is pursuing blanket easements for the proposed work.

Question 11: Can FKAA provide a rate for water usage and does FKAA have sufficient temporary meters to supply water for this project?

Answer 11: Water rates are located on the FKAA Web site. FKAA has sufficient meters for this project. Contractor is responsible for supplying a backflow prevention device per FKAA standard detail for each temporary meter used.

Question 12: Will the pipe being installed on FDOT ROW be required to be wrapped in Filter fabric?

Answer 12: No, filter fabric wrap is not required, unless mandated by FDOT.

Question 13: There are several redundant specs between the areas designed by Mathews and the areas designed by CH2M, can these sections be consolidated to minimize future discrepancies and confusion between requirements.

Answer 13: No, use the appropriate technical specification for each part of the project. Volumes, 1, 3 and 7 for CH2M HILL and Volumes 1, 2, 4, 5, and 6 for Mathews Consulting.

Question 14: There are several improvements shown on the plans for the US-1 Corridor that are not part of the scope of work. Is this for a future FDOT project and if so when will this project start and how will the owner potential additional restoration costs not anticipated at the bid time.

Answer 14: We do not have a start date from FDOT. Bidder is to assume that the future work is not yet in place and bid accordingly. Any additional costs due to the future work by FDOT will be addressed at that time.

Question 15: Can the Owner add an item for asphalt trench restoration instead of including it in the bid item.

Answer 15: No, this will not be changed. The asphalt trench restoration is included in the individual bid items for pipe installation, laterals, manholes, etc.

Question 16: Can the contractor choose which area is to be Directional Drilled and which are to be open cut?

Answer 16: For Volumes 4, 5, and 6 of 7 drawings – along US 1 the drawings show which force mains are to be directional drilled or open cut. For force mains in Monroe County rights-of-way the Contractor can choose if they want to install by either open cut methods or directional drill methods. Refer to Payment Procedures Specifications (Volume 1 of 7 for more detailed description.

Question 17: The bid item for Striping only covers Thermo; will the owner want paint as well?

Answer 17: Yes, a Bid Item for temporary paint will be added to the bid form and will be issued in a future addendum.

Question 18: Is there a Buy American Requirement?

Answer 18: No.

Question 19: Can a LF item for Silt Fence be added?

Answer 19: No. This is included in Bid Item GC-6 of the Proposal (Volume 1 of 7) and will be bid as a lump sum (LS) item.

Question 20: Will any restoration of the heritage trail be included as a part of this contract besides what may need to be restored due to construction?

Answer 20: No, only restoration of what is disturbed due to construction.

Question 21: Section 15016-3 “PVC Gravity Sewer”, Volume 2 of 7 (Pg.614) indicates bedding material as imported sand at 12” above pipe and remainder of backfill shall be native material and the plan details show #57 stone as bedding material at 8” above pipe.

- a. Do we use imported sand or #57 stone as pipe bedding material?
- b. Do we backfill 8” or 12” above pipe”?
- c. The detail on sheet D-1 specifies a Limerock for the remaining backfill. Can we use the native material for the remainder of the backfill, as it is primarily limestone rock?

Answer 21: a: Bedding material shall pass either through a 3/8” sieve or meet the requirements for FDOT #57 stone.

b. Select bedding is installed 8” above pipe and the remaining backfill shall be approved limerock.

c. If the native material is limerock, a geotech analysis can be submitted to the Engineer for approval.

Question 22: Section 15018-2.01A “HDPE Force Main Piping”, Volume 2 of 7, (pg. 632) indicates HDPE as SDR 13.5 and the bid proposal indicates DR 11.

- a. Which one is correct?

Answer 22: The HDPE force main piping for Mathews Consulting design (Volumes 2, 4, 5, and 6 of 7) shall be DR 11. The Proposal shall be updated to reflect SDR 13.5.

Question 23: Section 03421 “Precast Circular Concrete Manholes”, Volume 2 of 7 (Pg. 480) specify the #57 stone bedding under the manholes as 12” thick and extend 12” beyond outside edge of manhole, however the plan details on sheet D-2 indicate the bedding as 6” thick and extending 6” beyond outside edge of manhole.

a. Which one is correct?

Answer 23: Sheet D-2 is correct- bedding is 6” thick and extending 6” beyond outside edge of manhole.

Question 24: Will the quantity for the 1" Type S-3 Asphalt Overlay pay item only be used for the gravity sewer work area or does it include the force main as well?

Answer 24: As stated in Payment Procedures (Volume 1 of 7) under Bid Item R-1 this is only for gravity sewer work.

Question 25: Do we have to install a temporary asphalt patch for the Gravity Sewer and Force Main trenches or will the Limerock be suitable until the Permanent Asphalt is placed?

Answer 25: Gravity sewer and force main trenches must be cold patched with temporary asphalt at the end of each working day. Refer to Drawing D-1, “Force Main Trench and Pavement Restoration Detail”, Note 4 (Volumes 4, 5, and 6 of 7 Drawings).

Question 26: In Cudjoe’s Section page C-127, why Sanitary Line has Trench Restoration that is outlined and FM does not? STA 5+40 approx.

Answer 26: All of the proposed gravity sewer, manholes and laterals are to be installed in the roadway. These items will be installed by conventional open cut methods. For areas that have gravity sanitary sewer along the roadway, trench repair will be required as stated in Payment Procedures (Volume 1 of 7) for Bid Items S-1 through S-12. Also all roadways that have gravity sanitary sewer will also be provided with 1” Type S-3 Asphalt Mill & Overlay as stated in Bid Item R-1.

All of the HDPE DR 11 Force Mains located in Monroe County rights-of-way are located out of pavement section as much as possible, however some of the force main is located in pavement sections. Per Bid Items F-1 through F-5 (Payment Procedures Specification) the force mains can either be installed by open cut methods or by directional drill methods. If the Contractor elects to install by open cuts methods then all restoration including trench repair shall be included in the price to install the force main. If the Contractor elects to install by directional drill methods then all restoration including drill pit restoration, any trench repair, etc. shall be included in the price to install the force main. Note: roadways that just have force mains and no gravity sewers will not be provided with 1” Type S-3 Asphalt Mill & Overlay.

All of the HDPE DR 11 Force Mains located in FDOT rights-of-way along US 1 will be installed by directional drill methods if crossing the roadway as called out for on the drawings and included in Bid Items F-7 through F-9 (Payment Procedures). The Force Mains that are located on the shoulder along US 1 are shown to be installed by open cut methods.

Bid Item R-2 includes the cost for the trench repair. Note: Bid Item R-2 is only for trench repair for work in Volumes 4, 5, & 6 Drawings along US 1.

Question 27: I noticed that Bid Item L-15 Portable Generator for the Lift Station has a discrepancy on the Unit quantity between Bid Items, 5 Units versus the Spec Section 16216, 1.01 where Contract requests 6 Units. Please clarify this issue ASAP.

Answer 27: Provide 6 portable generators as listed in the revised proposal.

Question 28: Phase 6 in the area of Center St. and Horace St. it is indicated on the plans that the area will be overlayed. Besides stop conditions; there is no other stripping. Will the Contractor be required to bring the stripping up to “code” or just replace existing stripping on all areas being overlayed?

Answer 28: In areas of the work where existing pavement markings & stop conditions are damaged due to construction activities or where pavement overlay is required, the Contractor shall replace existing stripping, installation of reflectors (RPM’s) and stop conditions in kind to match original. The Contract Documents do not require the Contractor to bring the stripping up to “code”.

Question 29: Specifications state that the select bedding which covers from 8” below the pipe to 8” above the pipe shall meet the requirements of FDOT #57 stone. Please clarify if we are required to utilize #57 stone from a FDOT approved pit.

Answer 29: For work within FDOT rights-of-way along US 1 the #57 stone must be from a FDOT approved pit. For work within Monroe County rights-of-way the #57 stone does not need to be from a FDOT approved pit but must be approved by the Engineer for use.

Question 30: The details show that from 8” above the pipe to the bottom of the asphalt we are to utilize limerock. The specifications state that this material shall be Miami Limerock. Is this material required to be from a FDOT approved pit? If we chose to utilize flowable fill in lieu of limerock as stated in the details does the flowable fill need to be FDOT approved?

Answer 30: This can just be limerock and not Miami Limerock. Limerock and flowable fill used within FDOT rights-of-way must be FDOT approved and from a FDOT approved pit. All other limerock and flowable fill used must be approved by the Engineer prior to use.

C. PART 1 - BIDDING REQUIREMENTS

SECTION 00 11 13, INVITATION TO BID

1. Page 1, paragraph 1, first sentence DELETE “October 11, 2012” and REPLACE with “October 30, 2012.”

SECTION 00 21 13, INSTRUCTION TO BIDDERS

1. DELETE in its entirety and REPLACE with the attached.

SECTION 00 41 13, PROPOSAL

1. DELETE in its entirety and REPLACE with the attached.

D. PART 2 - CONTRACT FORMS**SECTION 00 44 00, CONTRACT**

1. DELETE in its entirety and REPLACE with the attached.

E. PART 3 - CONDITIONS OF THE CONTRACT**SECTION 00 51 00, SUPPLEMENTARY CONDITIONS**

1. Page 3, ARTICLE V; ADD the following:

“5.20 Correction of Defective Work Found During Warranty Period;

First sentence; DELETE “1year” in two places and REPLACE with “2 years.”

2. Page 4, before Supplements; ADD the following:

“8.4 COST REIMBURSEMENT WORK – METHOD III

Paragraph F, DELETE the following:

“An additional fixed fee of 5 percent may be allowed by the Contractor for the administrative handling of portions of the work that are performed by an approved Subcontractor, only by written permission from the FKAA.”

F. PART 4 - SPECIFICATIONS**SECTION 01 11 00, SUMMARY OF WORK**

1. DELETE in its entirety and REPLACE with the attached.

SECTION 01 15 00, SEQUENCE OF WORK

1. DELETE the four Supplements in their entirety and REPLACE with the following Supplements: Cudjoe Key, Summerland Key, Upper Sugarloaf Key and Transmission System, attached.

SECTION 01 16 00, PERMITS AND FEES

1. Page 1, paragraph 1.01.D, ADD the following Item number 2 and Renumber item number 2 to 3:

“2. FDEP Application for Public Water System Construction Permit.”

SECTION 01 29 00, PAYMENT PROCEDURES

DELETE in its entirety and REPLACE with the attached.

SECTION 01 32 00, CONSTRUCTION PROGRESS DOCUMENTATION

1. Page 1, paragraph 1.01.A.3.b.2, DELETE “P3” and REPLACE with “P6”.

SECTION 01 31 13, PROJECT COORDINATION

1. Page 1, paragraph 1.03.A, DELETE in its entirety and REPLACE with the following:

“A. Refer to Section 01 15 00, Sequence of Work, for construction sequencing guidelines.”

SECTION 01 33 00 (01300), SUBMITTALS

1. Page 1, paragraph 1.02, ADD the following:
 - “B. Electronic Submittals: Initial submittals shall be made in electronic format. CH2M HILL can assist in instructing the Subcontractor’s personnel to use the electronic submittal system at no additional cost to the Subcontractor.
 1. Each submittal shall be an electronic file in Adobe Acrobat Portable Document Format (PDF). Use the latest version available at the time of execution of the Contract Documents. Electronic files which contain more than ten pages in Adobe Acrobat format shall contain internal book-marking from an index page to major sections of the document. PDF files shall be set to open “Bookmarks and Page” view. General information shall be added to each PDF file, including Title, Subject, Author, and Keywords.
 2. The PDF files shall be set up to print legibly at either 8-1/2-inch by 11-inch, 11-inch by 17-inch, or 22-inch by 34-inch.
 3. New electronic files shall be required for each resubmittal.

4. Each electronic file shall also include a copy of the Submittal Transmittal Form and completed Submittal Checklist.
5. Submittals shall be transmitted by uploading the PDF file of the submittal to the project SharePoint site. Submittal review comments will be transmitted back to the Subcontractor electronically via the project SharePoint site as well.
6. Subcontractor shall provide authorization to reproduce and/or distribute each file as many times as necessary for the Project.
7. Subcontractor shall include all costs for preparation and transmittal of electronic submittals in its bid, including all resubmittals and final record copies.
8. Final Record Copies: After all initial and resubmittal information has been approved consolidate all information and responses to comments into one conformed record copy. Provide one electronic copy of the conformed record copy to CH2M HILL to verify incorporation of previously submitted data. Hard copies, number as required herein, that exactly match the final conformed electronic copy of the submittal will be submitted to CH2M HILL within 30 days of approval of the electronic copy.”

SECTION 01 50 00, TEMPORARY FACILITIES AND CONTROLS

1. Page 12; paragraph 3.07.I, DELETE in its entirety.
2. Page 13; paragraph 3.08, ADD the following:
 - “E. The Contractor shall keep the construction site free of rubbish and other materials and restore to their original conditions those portions of the site not designated for the alternation by the Contract Documents. Cleanup and restoration shall be accomplished daily throughout the contract period and in such a manner as to maintain a minimum of nuisance and interference to the general public and residents in the vicinity of the work. The Contractor shall also remove, when no longer needed, all temporary structures and equipment used in this operation. It is the intent of this Specification that the construction areas and those other areas not designated for alteration by the Contract Documents shall be immediately restored to original condition. All cleanup is subject to approval by the FKAA and FDOT, or Monroe County, whichever has jurisdiction.

- F. When water service has been restored through new service lines, there shall be no delay in removal of old meter boxes and service pipe, and the restoration of grounds. As soon as possible, the premises and grounds shall be restored to conditions existing prior to the pipe installation, as far as practicable. Any holes or depressions, caused by the Contractor's work, shall be filled with sand or other suitable fill material, and all surfaces shall be left smooth. Any damage to buildings, shrubs, trees, plantings, or paving shall be repaired, and any damaged areas of lawn shall be re-sodded. The Contractor shall answer to any complaints of occupants or property owners. All new or existing meter boxes will be installed or reinstalled such that the top is flush with existing grade. Onsite customer service pipe shall be buried appropriately."

3. Page 13, paragraph 3.11, ADD the following:

"3.11. PUBLIC SAFETY AND CONVENIENCE

- A. The Contractor shall at all times so conduct his work as to ensure the least possible obstruction to traffic, or inconvenience to the general public and residents in the vicinity of the work. No road or street shall be closed to the public, except with the permission of the FCAA, Monroe County, FDOT, Police, and Fire Department. Fire hydrants on or adjacent to the work shall be kept accessible. Provisions shall be made by the Contractor to ensure public access to sidewalks, public telephones, and the proper functioning of all gutters, sewer inlets, drainage ditches, and irrigation ditches. No open excavation shall be left overnight. All open excavation within the roadway shall be backfilled and a temporary asphalt patch applied prior to darkness each day. A temporary cold asphalt patch is acceptable."

SECTION 01 50 60, PROJECT IDENTIFICATION AND SIGNS

1. Page1, paragraph 1.01.A, DELETE "two (2)" and REPLACE with "seven (7)"

SECTION 01 57 00, TRAFFIC CONTROL

1. DELETE Monroe County Standard Road Details for MOT's in their entirety and REPLACE with the color version of the Monroe County Standard Road Details MOT's attached.

SECTION 33 05 01.10, HIGH-DENSITY POLYETHYLENE (HDPE) PRESSURE PIPE AND FITTINGS

1. Page 3, 2.01.A.5, ADD the following at the end of the paragraph:

“...unless IPS is specifically called for on the Drawings. IPS pipe is only to be installed for the sliplined 14-inch pipe as shown on Drawings 005-C-2008 through 005-C-2021.”

SECTION 33 12 16, AIR-RELEASE AND VACUUM-RELIEF VALVES

1. ADD the following section, attached.

SECTION 40 90 01, INSTRUMENTATION AND CONTROL FOR PROCESS SYSTEMS

1. Page 15, paragraph 2.03.E, DELETE “Central...” and REPLACE with “Ramrod...”
2. Page 18, paragraph 2.05.D.1, ADD the following:
 - “ a. Analog signals wired to a PLC to be fused and have surge protection.
 - b. Discrete signals wired to a PLC to be fused and have surge protection.”
3. Page 25; paragraph 2.05.R, ADD the following and renumber the remaining paragraph:
 - “2. Suppressor Locations:
 - a. At point of connection between an equipment item, including ac powered transmitters, and power supply conductor (direct-wired equipment).
 - b. On analog pairs at each end when the pair travels outside of building.
 - c. In other locations where equipment sensitivity to surges and transients requires additional protection beyond that inherent to design of equipment.”
4. Page 29, paragraph 2.08.D, ADD the following:
 - “12. Provide a minimum of 3 inches of space from terminal blocks to Panduit.”
5. Page 33, paragraph 3.02.D, DELETE in its entirety.

SECTION 40 99 90, PACKAGE CONTROL SYSTEMS

1. Page 6, paragraph 2.05.E, ADD the following and renumber item 6 to 7:
 - “6. Provide a minimum of 3 inches of space from terminal blocks to Panduit.”
2. Page 6, paragraph 2.05.F.1, ADD the following:
 - a. Analog signals wired to a PLC to be fused and have surge protection.
 - b. Discrete signals wired to a PLC to be fused and have surge protection.”
2. Page 10, paragraph 2.05.K, DELETE in its entirety and renumber to end of paragraph 2.05.

SECTION 44 42 56.04 SUPPLEMENT 1 AND SUPPLEMENT 2

1. DELETE Supplements 1 and 2 and REPLACE with the attached.

G. PART 5, DRAWINGS

DELETE the following Drawings in their entirety and REPLACE with the attached Drawings:

1. 001-G-003, attached.
2. 005-C-2001 through 005-C-2004, attached.
3. 005-C-2008 through 005-C-2029, attached.
4. 005-C-3002, attached.
5. 005 C-3003, attached.
6. 005-C-3005 through 005-C-3010, attached.
7. 005-C-5001 through 005-C-5003, attached.

ADD the following Drawings:

1. 005-C-5004, attached.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 in the Bid Form or by submitting the Addendum with the bid package. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

CH2M HILL

Walt Schwarz, P.E.

Appended hereto and part of Addendum No. 1:
Pre-Bid Meeting Minutes and Sign-In Sheet, attached.
Section 00 21 13, Instruction to Bidders, attached.
Section 00 41 13, Proposal, attached.
Section 00 44 00, Contract, attached.
Section 01 11 00, Summary of Work, attached.
Section 01 15 00, Sequence of Work, Supplements 1 through 4, attached.
Section 01 29 00, Payment Procedures, attached.
Section 01 57 00, Supplement, attached.
Section 33 12 16, Air-Release and Vacuum-Relief Valves, attached.
Section 44 42 56.04 Supplement 1 and Supplement 2, attached.
Drawings:
001-G-003, attached.
005-C-2001 through 005-C-2004, attached.
005-C-2008 through 005-C-2029, attached.
005-C-3002, attached.
005 C-3003, attached.
005-C-3005 through 005-C-3010, attached.
005-C-5001 through 005-C-5003, attached.
005-C-5004, attached.

END OF ADDENDUM

FLORIDA KEYS AQUEDUCT AUTHORITY
MANDATORY PRE-BID MEETING – SIGN SHEET

FCAA PROJECT #4052-12
Project Name: CUDJOE REGIONAL WASTEWATER COLLECTION SYSTEM-INNER ISLANDS
Date: 9/13/12 Time: 2:00PM

PLEASE PRINT CLEARLY

Name	Company Name	Phone No.	Fax No.	E-Mail Address
Carmen Renda	OSCAR RENDA CONTRACTING	817-491 2703	817 441-1627	JANIE@ OSCARRENDA.COM
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FLORIDA KEYS AQUEDUCT AUTHORITY
MANDATORY PRE-BID MEETING – SIGN SHEET

FCAA PROJECT #4052-12
Project Name: CUDJOE REGIONAL WASTEWATER COLLECTION SYSTEM-INNER ISLANDS
Date: 9/13/12 Time: 2:00PM

PLEASE PRINT CLEARLY

Name	Company Name	Phone No.	Fax No.	E-Mail Address
Bryan Fletcher	ISCO Industries	407-286-8258	866-422-2142	bryan.fletcher@isco-pipe.com
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MARTIN WHITT	Hinterland Group, INC	561-640-3503	561-640-3504	dduke2@HinterlandGroup.com crogers@HinterlandGroup.com
Don Hubbs	FCAA	305-2952142	305-7977003	Dhubbs@fkaa.com
Tom Walker	"	2952140		twalker@fkaa.com

FLORIDA KEYS AQUEDUCT AUTHORITY

MANDATORY PRE-BID MEETING – SIGN SHEET

FCAA PROJECT #4052-12

Project Name: CUDJOE REGIONAL WASTEWATER COLLECTION SYSTEM-INNER ISLANDS

Date: 9/13/12 Time: 2:00PM

PLEASE PRINT CLEARLY

Name	Company Name	Phone No.	Fax No.	E-Mail Address
ILIA Lysenko	LANZO	954.979.0802	954.979.9897	ILIAL@LANZO.org
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FLORIDA KEYS AQUEDUCT AUTHORITY
MANDATORY PRE-BID MEETING – SIGN SHEET

FCAA PROJECT #4052-12
Project Name: CUDJOE REGIONAL WASTEWATER COLLECTION SYSTEM-INNER ISLANDS
Date: 9/13/12 Time: 2:00PM

PLEASE PRINT CLEARLY

Name	Company Name	Phone No.	Fax No.	E-Mail Address
Danny Gonzalez	Metro Equipment Service Inc	786-663-2811	305-740-3303	Dg@mesinc.us
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PRE-BID MEETING MINUTES

FLORIDA KEYS AQUEDUCT AUTHORITY

CUDJOE REGIONAL WASTEWATER INNER ISLAND COLLECTION SYSTEM AND TRANSMISSION SYSTEM FKAA PROJECT #4052 - 12

**Thursday, September 13, 2012 @ 2:00 PM
At FCAA Headquarters, 1100 Kennedy Drive, Key West**

1. Introductions – sign in sheet attached

Project Team:

Florida Keys Aqueduct Authority – Owner and operating authority: Don Hubbs will serve as project manager

Monroe County – funding agency

CH2M HILL – construction program managers and transmission system design engineers

Mathews Consulting – collection systems design engineer

2. Project Summary

This is the first of 3 projects to be advertised under the overall Program.

- The Inner Islands collection and transmission
- The wastewater treatment plant
- The Outer Islands collection and transmission (D/B)
- There will also be 270 +/- onsite disposal systems constructed under a separate contract for the areas not served by sewers

The Project consists of the wastewater collection systems, the master pump stations and transmission main and limited water main replacement for the Inner islands of the Cudjoe Regional Wastewater System, which includes the islands of Upper Sugarloaf Key, Cudjoe Key and Summerland Key.

The contractor shall furnish all labor, materials equipment, services, fittings, valves, connections, and appurtenances for the installation of hybrid wastewater collection systems and the pressure transmission system. The hybrid collection system consists of a combination of a conventional gravity sewers and low pressure sewers with pumping facilities. The transmission system consists of master pump stations and force mains to convey the collected wastewater to the Wastewater Treatment Facility to be constructed on Cudjoe Key. Upgrades to selected water mains are also included.

Additional information can be found in Section 01 11 00, Paragraph 1.01.C.

3. **Contract Time and Estimated Schedule**

Bid advertisement: September 2, 2012

Pre-Bid meeting: September 13, 2012

Bids due: October 11, 2012 at 2:00 PM - **Two (2) original hard copies only**

To obtain copy of full bid package (Volumes 1-7) contact Donna Henley, CH2M HILL, 352-384-7086, dhenley@ch2m.com

Estimated NTP: January, 2013

Substantial completion-1080 calendar days after notice to proceed

Final Completion-within 60 calendar days of substantial completion

Interim completion milestone (18 months) for completion of Cudjoe Key collection and transmission and Summerland Key transmission.

4. **Liquidated Damages**

\$2,500/day for failure to meet substantial

\$1,500/day for failure to meet final completion

Additional Interim milestones, changes in the liquidated damage provisions and liquidated damages for interim milestones may be issued via Addendum

5. **Addenda**

Addendum 1 is forthcoming (will include pre-bid meeting information) and a revised proposal form. The proposal form will also be provided in Excel format for the contractors use approximately a week before the bid opening.

All questions on the Bid Documents must be submitted in writing to Walt Schwarz/CH2M HILL no later than COB Wednesday October 4, 2012.

wschwarz@ch2m.com; 305-294-1645 (office); 305-294-4913 (fax)

6. **Allowances**

A Contingency Allowance is included in the proposal for unforeseen conditions and conflicts. Payment of the contingency allowance shall be based on actual costs and authorized by work change directive.

An Electrical Allowance is included in the bid form to provide for service connections and electrical improvements provided by KES for the master pump stations. This allowance will be based on actual costs incurred beyond what is included in the specifications and drawings and will be issued as a work change directive.

7. **Bid Alternates**

Deductive Alternate #1- Sta 475+75 to Sta 765+75 for the installation of 14" HDPE pipeline in the 18" abandoned water main, instead of open cut installation.

Additive Alternate #1 – Upper Sugarloaf Additional Collection Service Area

Bid alternate for stainless steel piping on bridge crossings will be added in Addendum 1.

8. Permits

No additional permits beyond the specified contractor's dewatering permits are required for the work. A Monroe County occupations license will be required.

9. Working Hours

Work hours for neighborhood construction work will be during normal FKAA working hours, 8:00 AM to 5:00 PM, Monday through Friday. Any construction work outside of these hours will require approval from FKAA and require an FKAA representative on-site, the costs of which are to be reimbursed by the Contractor. Contractor shall comply with applicable Monroe County noise ordinances for all construction activities.

10. Construction Sequencing

Construction work shall start immediately upon notice to proceed.

The contractor is required to submit a work sequencing plan prior to the start of construction based on the Engineer's proposed sequence of construction in Section 01 15 00. Schedules shall be approved by the FKAA prior to the start of construction.

11. Staging and Access Area

Contractor shall be responsible for obtaining/coordinating parking and staging areas contractor's trailers, employee parking and storage of equipment and materials.

12. Job Site Security

Job sites shall be secured at end of each day. See Section 01 50 00.

13. Existing Utilities

Contractor shall also be responsible for location and avoidance of all existing utilities. Locations of existing utilities have been indicated on the plans to the best of our abilities but exact locations cannot be relied upon.

14. General Requirements

Public safety and property is of utmost importance. No trespassing.

Contractors work will require access and construction on private property, FKAA is currently in the process of obtaining easements. Contractor shall coordinate with FKAA prior to any work on private property.

Contractor shall employ and pay for all independent lab testing as required by the specifications.

Contractor shall coordinate and pay for any temporary use of private property. All such agreements shall be copied to FKAA.

SRF requirements are included as conditions of the contract

15. Technical Requirements

Technical specifications for the collection, transmission and water main components of the project are provided in separate volumes of the contract documents. Contractor shall be aware that specific technical requirements apply to specific project components.

Contractor will be responsible for MOT development and approval for all work in FDOT and Monroe County rights of way.

A significant portion of the transmission main consists of new HDPE pipe to be installed in an existing, out-of-service water main. The main has been inspected to determine feasibility however local, unidentified conditions may require a change to this means of installation.

Continuous operation of existing water, electric and other utility services are of critical importance. Contractor shall coordinate with KES, FKAA and Engineer staff 14 days in advance, if facility shut downs are required.

Based on actual costs, owner may elect to pre-purchase some of the project equipment (E-One pumps).

Contractor shall be responsible for disposal of all excess material, demolition material, public and private property restoration, and meet all state and local disposal requirements.

Contractor will store all equipment per manufacturers approved instructions prior to installation.

16. Budgetary estimate \$37.3 Million

17. FKAA/Project Team Comments

There is no specific "Buy American" requirement, although it is preferred and it is not required by SRF provisions.

There is a goal of 15% local participation in the project. There are no requirements to document this at bidding.

Will need to obtain FDOT approval of MOT's in US1 right of way

18. Contractor Questions/Comments - will be formally responded to by Addendum 1

- Do Appendices A & B of the SRF conditions need to be submitted with the bid?
- What is the status of the Heritage Trail project and how will it be managed under the project?
- Can small diameter force mains be installed by directional drilling?

- There are no requirements for temporary pavement markings (painted). Will there be provisions for anything other than permanent (thermoplastic) markings?
- There are no specific bid items for driveway restoration (TR-5) in the transmission main work.
- Can you verify the need for spacers for the smaller HDPE pulls through the 18" main? Need to identify the #/ft if required.

19. Meeting adjourned at 2:45

INSTRUCTIONS TO BIDDERS

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INSTRUCTIONS TO BIDDERS

1. FORMAT

The Contract Documents are divided into parts, divisions, and sections to separate categories of subject matter for convenient reference. Generally, there has been no attempt to divide the Specification sections into work performed by the various building trades, work by separate subcontractors, or work required for separate facilities in the project.

2. SPECIFICATION LANGUAGE

“Command” type sentences are used in the Contract Documents. These refer to and are directed to the Contractor.

3. GENERAL DESCRIPTION OF THE PROJECT

A general description of the work to be done is contained in the Invitation To Bid. The scope of work is further indicated on the accompanying Drawings and specified in applicable parts of these Contract Documents.

4. DOCUMENT INTERPRETATION

The Contract Documents governing the work proposed herein consist of the Drawings and all material bound herewith. These Contract Documents are intended to be mutually complementary and to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any person contemplating the submission of a Proposal shall have thoroughly examined all of the various parts of these documents, and should there be any doubt as to the meaning or intent of said Contract Documents, the Bidder should request of the Engineer, in writing (at least 7 working days prior to bid opening) an interpretation thereof. Engineer will not be obligated to respond to questions submitted less than 7 working days prior to bid opening. Any interpretation or change in said Contract Documents will be made only in writing, in the form of Addenda to the Contract Documents which will be furnished to all Bidders receiving a set of the Contract Documents. Bidders shall submit with their Proposals, or indicate receipt of, all Addenda. The Engineer will not be responsible for any other explanation or interpretations of said Contract Documents not issued in writing by Addendum.

To obtain Contract Documents:

Contact Donna Henley, CH2M HILL (352) 384-7086, dhenley@ch2m.com to obtain a full set of Contract Document. A CD of Contract Documents (Volumes 1 – 7) as electronic files (CD) will be sent by 2-day delivery.

5. BIDDER'S UNDERSTANDING

Each Bidder must inform himself of the conditions relating to the execution of the work, and it is assumed that he will inspect the site and make himself thoroughly familiar with all the Contract Documents. Failure to do so will not relieve the successful Bidder of his obligation to enter into a Contract and complete the contemplated work in strict accordance with the Contract Documents. It shall be the Bidder's obligation to verify for himself and to his complete satisfaction all information concerning site and subsurface conditions. Each Bidder shall inform himself of, and the Bidder awarded a Contract shall comply with all Federal, State, and local laws, statutes, and ordinances relative to the execution of the work. This requirement includes, but is not limited to, applicable regulations concerning minimum wage rates, nondiscrimination in the employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and nonburning requirements, permits, fees, maintenance of traffic and similar subjects.

6. DRAWINGS

Design Drawings or Shop Drawings submitted to the FKAA by the Bidder must be standard size prints.

7. TYPE OF PROPOSAL

A. LUMP SUM

When the Proposal for the work is to be submitted on a lump sum basis, a single lump sum price shall be submitted in the appropriate place. The total amount to be paid the Contractor shall be the amount of the lump sum proposal as adjusted for additions or deletions resulting from changes in construction. The Bidder shall furnish, in the spaces provided in the Proposal, a breakdown of his lump sum bid.

B. COMBINED UNIT PRICE - LUMP SUM

When the Proposal for the work is to be submitted on a combined unit price - lump sum basis, unit prices or lump sum price amounts shall be submitted for all items of work set forth in the Proposal. All items required to complete the work specified or shown on the Drawings but not included in the Proposal shall be considered incidental to those set forth in the Proposal.

The estimate of quantities of work to be done is tabulated in the Proposal and, although stated with as much accuracy as possible, is approximate only and is assumed solely for the basis of calculation upon which the award of Contract shall be made. Payment to the Contractor for unit price work will be made on the measurement of the work actually performed by the Contractor as specified in the Contract Documents. The total amount to be paid the Contractor for the lump sum work shall be the amount of the lump sum Proposal as adjusted for additions or deletions resulting from FKAA-authorized changes in the Project.

Discrepancies in the multiplication of units of work and unit prices will be resolved in favor of the unit price. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

The FKAA reserves the right to increase or decrease the amount of class of work item shown in the Proposal that may be deemed necessary. In the event of increase or decrease, the unit prices for such work items may be subject to adjustment as provided in Section 9.1, of the General Conditions.

8. **PREPARATION OF PROPOSALS**

All blank spaces in the Proposal must be filled in, in both words and figures where required. No changes shall be made in the phraseology of the forms. Written amounts shall govern in cases of discrepancy between the amounts stated in figures. In case of discrepancy between unit prices and totals, unit prices will prevail. Each Bidder will submit two (2) original copies ~~and two (2) electronic copies on an USB Flashdrive~~ to FKAA.

Any Proposal may be deemed nonresponsive which contains material omissions, or irregularities, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published Invitation to Bid.

Only one bid from any individual, firm, partnership, or corporation under the same or difference names will be considered. Should it appear to the FKAA that any Bidder is interested in more than one bid for work contemplated, all bids in which such Bidder is interested will be rejected.

The Bidder shall sign his Proposal in the blank space provided therefor. If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign Contracts on behalf of the corporation. If Bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign Contracts in behalf of the partnership. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a notarized power-of-attorney must be on file with the FKAA prior to opening of Proposals or submitted with the Proposal.

9. STATE AND LOCAL SALES AND USE TAXES

Unless any Supplementary Conditions contain a statement that the FKAA is exempt from State sales tax on materials incorporated into the work due to the qualification of the work under this Contract, all State and local sales and use taxes, as required by the laws and statutes of the State and its political subdivisions, shall be paid by the Contractor. Prices quoted in the Proposal shall include all nonexempt sales and use taxes, unless provision is made in the Proposal form to separately itemize the tax.

If any Supplementary Conditions state that the FKAA is exempt from State sales tax on any materials, the Contractor must follow such procedures as may be necessary to preserve the sales tax exemption. If the Contractor fails to do so, he must pay all resulting sales taxes, including applicable interest, penalties or other costs.

10. SUBMISSION OF PROPOSALS

All Proposals must be submitted not later than the time prescribed, at the place, and in the manner set forth in the Invitation To Bid. Proposals must be made on the Proposal forms provided herein. Each Proposal must be submitted in a sealed envelope, so marked as to indicate its contents without being opened, and addressed in conformance with the instructions in the Invitation To Bid.

11. WRITTEN MODIFICATION OF PROPOSAL

Any Bidder may modify his bid by written communication at any time prior to the scheduled closing time for receipt of bids, provided such communication is received by the FKAA prior to the closing time. The written communication should not reveal the bid price; it should, however, state the addition or subtraction or other modification so that the final prices or terms will not be known by the FKAA until the sealed bid is opened.

12. WITHDRAWAL OF PROPOSAL

Any Proposal may be withdrawn prior to the scheduled time for the opening of Proposals either by telegraphic or written request, or in person. If, within 24 hours after Bids are opened, any Bidder files a duly signed written notice with the FKAA and promptly thereafter demonstrates to the reasonable satisfaction of the FKAA that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid and the Bid Security will be returned. Thereafter, that Bidder will be disqualified from further bidding on the work to be provided under the Contract Documents.

13. **BID SECURITY**

Proposals must be accompanied, for each Bid, by, a certified check, or cashier's check drawn on any State or National Bank, or a bid bond issued by a Surety authorized to issue such bonds in the State where the work is located, in the amount of 5 percent of the total amount of each Bid. These bid securities shall be given as a guarantee that the Bidder will execute the attached Contract and furnish properly executed Performance and Payment Bonds, each in the full amount of the Contract price within the time specified.

The Attorney-in-Fact who executes each bond in behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of each bond. Where State Statute requires, certification by a resident agent shall also be provided.

If the Bidder elects to furnish a Bid Bond for any of the Bids, he shall use the Bid Bond form bound herewith, or one conforming substantially thereto in form and content.

14. **RETURN OF BID SECURITY**

Within 30 days after the award of the Contract, the FKAA will return the bid securities to all Bidders whose Proposals are not to be further considered in awarding the Contract. Retained bid securities will be held until the Contract has been finally executed, after which all bid securities, other than Bidders' bonds and any guarantees which have been forfeited, will be returned to the respective Bidders whose Proposals they accompanied.

15. **AWARD AND BASIS OF CONTRACT**

The FKAA reserves the right to accept any Bid or combination of Bid alternatives which, in the FKAA's judgment will best serve the FKAA's interest, reject any and all Bids, to waive any and all informalities and/or irregularities, to negotiate contract terms with the Successful Bidder, and the right to disregard all nonconforming, nonresponsive, unbalanced or conditional Bids. The FKAA reserves the right to reject any one or all Bids, or any part of any Bid, to waive any informality in any Bid, and to award the purchase in the best interest of FKAA. Discrepancies in the multiplication of units of work and unit prices will be resolved in favor of the unit price. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

The Project is being funded by Monroe County. If during the course of the Project, the County funds are delayed or not forthcoming, FKAA has the right under General Conditions 10.3 or 10.4 to either suspend or terminate the Contract.

Within 120 calendar days after the opening of Proposals, unless otherwise stated in the Invitation to Bid or Supplementary Conditions of these Documents, the FKAA will issue notice that it intends to accept one of the proposals or will act in accordance with BASIS OF AWARD, below. Acceptance of the Proposal by the FKAA will be by written Notice of Award, mailed or delivered to the office designated in the Proposal. In the event of failure of the lowest responsible and responsive qualified Bidder to sign and return the Contract, as prescribed herein, the FKAA may award the Contract to the next lowest responsible and responsive qualified Bidder. Such award, if made by the FKAA will be made within 120 days after the opening of Proposals. Bidder shall guarantee all Bid Prices for 120 calendar days.

16. BASIS OF AWARD

A. BASIS OF AWARD OF CONTRACT

The Contract will be awarded to the responsible Bidder submitting the lowest acceptable Proposal.

The award will be made by the FKAA on the basis of lowest Lump Sum Base Bid from the lowest responsive*, responsible**, qualified Bidder. When projects are paid for in part with Federal funds, the award will be made on the basis of that Proposal submitted by the responsive, responsible, qualified Bidder submitting the lowest Proposal acceptable to the financing agency.

*RESPONSIVE BIDDER: Any person, firm or corporation submitting a bid for the Work contemplated whose Bid Form is complete and regular, free of exclusions or special conditions and has no alternative bids for any item unless requested in the Technical Specifications.

**RESPONSIBLE BIDDER: Any person, firm or corporation submitting a bid for the work contemplated who maintains a permanent place of business, has adequate plant equipment to do the work properly and within the time limit that is established, and has complied with FKAA's procedures to establish to FKAA's reasonable satisfaction that he is qualified to perform the Contract, and has adequate financial status to meet his obligations contingent to the work.

17. EXECUTION OF CONTRACT

The successful Bidder shall, within 15 calendar days, not including Sundays and legal holidays, after receiving Notice of Award, sign and deliver to the FKAA the Contract hereto attached together with the acceptable bonds as required in these Documents. Within 5 days, not including Sundays and legal holidays, after receiving the signed Contract with acceptable bonds from the successful Bidder, and if the FKAA is satisfied that all conditions of these Contract Documents have been satisfied, the Executive Director of the FKAA or his authorized agent will sign the Contract. Signature by both parties constitutes formation of the Contract.

18. PLANS FOR CONSTRUCTION

The successful Bidder will be furnished 2 sets of Documents and one CD (PDF files) without charge. Any additional copies required will be furnished to the Contractor at reproduction cost.

19. PERFORMANCE AND PAYMENT BONDS

The successful Bidder shall file with the FKAA separate Performance Bond and Payment Bonds on the forms bound herewith, each in the full amount of the Contract price in accordance with the requirements of Florida Statutes Section 255.05, as security for the faithful performance of the Contract and the payment of all persons supplying labor and materials for the construction of the work, and to cover all guarantees against defective workmanship or materials, or both, for a period of one (1) year after the date of final acceptance of the work by the FKAA, except that materials supplied by the FKAA shall not be covered by the Payment Bond.

The Surety furnishing these bonds shall be authorized to do business in the State of Florida, shall be in compliance with the provisions of the Florida Insurance Code, shall have twice the minimum surplus and capital required by the Florida Insurance Code, and shall hold a currently valid certificate of authority issued by the United States Department of Treasury pursuant to Section 31, Paragraphs 9304-9308, of the United States Code.

For contracts in which the amount is greater than \$500,000, the Surety must, in addition to the above requirements, have a rating of not less than (A-) by the latest edition of the KEY RATING GUIDE as published by A.M. Best Company, A.M. Best Road, Oldwick, NJ 08858.

~~For contracts \$100,000 or less, the alternate bonding procedure described in paragraph 22 may be utilized.~~

The Attorney-in-Fact (Resident Agent) who executes the Performance and Payment Bonds in behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bonds.

All Contracts, Performance and Payment Bonds, and respective powers-of-attorney will have the same date.

20. FAILURE TO EXECUTE CONTRACT AND FURNISH BOND

The Bidder who receives Notice of Intended Award to him and who fails to promptly and properly execute the Contract and furnish the Performance and Payment Bonds shall forfeit the bid security that accompanied his bid, and the bid security shall be retained as liquidated damages by the FKAA, and it is agreed that this sum is a fair estimate of the amount of damages the FKAA will sustain in case the Bidder fails to enter into a Contract and furnish the bonds as hereinbefore provided. Bid security deposited in the form of, a certified check, or cashier's check shall be subject to the same requirements as a Bid Bond.

21. — ALTERNATIVE TO PERFORMANCE AND PAYMENT BONDS

If the total contract amount is \$100,000. or less, the Bidder who has a contract awarded to him is not required to furnish the Performance and Payment Bonds described above. If the Contractor elects not to furnish said bonds, Contractor shall be required to conform to the following procedures relative to payment of contractors, subcontractors, laborers and materialmen.

I.

At any time prior to final completion of the contract, the FKAA shall not authorize or make payment to the Contractor in excess of ninety percent (90%) of the amount due on the contract on the basis of the work suitably completed and material suitably stored on the Site. In case of default by the Contractor, the Laborers, Materialmen, and Subcontractors, making claims for unpaid bills, will be paid from the ten percent (10 percent), retainage (as defined in Florida Statutes section 713.01), on a pro rata basis as follows. The sum all valid claims made shall be divided into each individual claim thereby deriving a percentage value for each individual claim. The total retainage will then be multiplied by the percentage value for each individual claim and the result shall be the pro rata share of the retainage to be paid to each claimant. However, no payment shall exceed the valid claim made.

II.

The Contractor shall provide a certified list of all subcontractors, laborers and material suppliers to the FKAA's Construction Manager within ten days of his receiving his Notice to Proceed with the work. This list shall be immediately updated thereafter with notice of subcontractors provided prior to such subcontractors entering the jobsite(s). Each month a certified statement shall be sent to the FKAA stating that the list and its updates include the names and addresses of all of those subcontractors, laborers, and material suppliers furnishing labor and/or material for the project.

III.

The FKAA shall place a notice in the following form, on three successive weeks, in a local newspaper and the Contractor shall post such notice in a conspicuous place on the Project Site:

"Notice is hereby made to all those concerned and affected that (CONTRACTOR'S NAME) is performing (PROJECT NAME), (PROJECT NUMBER) at (LOCATION) for the Florida Keys Aqueduct Authority. All parties furnishing labor and/or materials to said project are requested to provide notice of such in writing by certified mail to the Construction Manager, Florida Keys Aqueduct Authority, 1100 Kennedy Drive, Key West, Florida 33040, within twenty days of first providing such labor and/or materials."

IV.

~~When a Contractor receives any payment from the FKAA, the Contractor shall pay such moneys received to each Subcontractor and Supplier in proportion to the percentage of work completed by each Subcontractor and Supplier at the time of receipt of the payment. If the Contractor receives less than full payment, then the Contractor shall be required to disburse only the funds received on a pro rata basis with the Contractor, Subcontractors, and Suppliers, each receiving a prorated portion based on the amount due on the payment. The Contractor shall make such payments within seven (7) working days after receipt by the Contractor of such full or partial payment, and if the Contractor without reasonable cause fails to do so, the Contractor shall in addition pay the penalties imposed by Florida Statutes section 287.0585.~~

~~—————V.~~

~~The Contractor shall provide a written statement with each pay request to the FKAA's Construction Manager which indicates which Subcontractors and Suppliers will be paid and how much to each. This pay request breakdown shall define the disbursement intended for all of the funds requested.~~

~~—————VI.~~

~~With all but the first payment request, the Contractor shall provide a written statement from each of the Subcontractors and Suppliers indicated in V. above that payments is indicated in the preceding statements have been made as indicated. In the event any payment is not made as indicated on a prior statement noted V. above, the Contractor shall immediately furnish an explanation as to the reasons for such deviation and shall request approval from the FKAA's Construction Manager.~~

~~—————VII.~~

~~The final payment of retainage (i.e., the last 10 percent of the amount due on the contract) shall not be made until the project has been inspected by the person designated by the FKAA for that purpose and until he has verified that the project has been constructed in accordance with the approved plans, specifications and approved change orders and until the project has been accepted.~~

~~The final payment of retainage (i.e., the last 10 percent of the amount due on each contract) shall not be made until the Contractor has supplied the FKAA with signed and dated statements, from all Laborers, Materialmen, and Subcontractors identified under II, above, stating that they have not claims against the Contractor for the work under the contract. Said statements shall identify the Project by name and project number.~~

2221. PERFORMANCE OF WORK BY CONTRACTOR

The Contractor shall perform on the Site and with his own organization, labor equivalent to at least sixty percent of the total amount of the work of each Contract to be performed under this Contract. If, during the progress of the work hereunder, the Contractor requests a reduction of such percentage, and the FKAA determines that it would be to the FKAA's

advantage, the percentage of the labor required to be performed by the Contractor's own organization may be reduced; PROVIDED prior written approval of such reduction is obtained by the Contractor from the FKAA.

Each Bidder shall furnish with his bid a list of the items that he will perform with his own forces and the estimated total cost of these items in addition to his list of Subcontractors with the estimated total cost for each.

2322. TIME OF COMPLETION

The time of completion of the work to be performed is the essence of the Contract. Delays and extensions of time may be allowed in accordance with the provisions stated in Article 7.7, of the General Conditions. The time allowed for the completion of the work is stated in the Contract.

2423. SHOP DRAWINGS

Procedures for shop drawing submittal and review are included in the Standard General Conditions and Section 01 33 00, Submittal Procedures.

2524. SUB-CONTRACTING/MBE-LOCAL BUSINESS PARTICIPATION

The FKAA reserves the right to accept or reject any or all bids wherein a subcontractor is named and to make the award to the Bidder, who, in the opinion of the FKAA will be in the best interest of and/or most advantageous to the FKAA. The FKAA also reserves the right to reject a bid of any Bidder if the bid names a subcontractor who has previously failed in the proper performance of an award or failed to deliver on time contracts of a similar nature, or who is not in a position to perform properly under this award. The FKAA reserves the right to make said determination.

Bidders are hereby informed that the FKAA encourages the utilization and participation of Minority and Women Business Enterprises and Local Businesses in contracts financed with FKAA funds. Bidders are encouraged to seek Minority and Women Business Enterprises and Local Businesses for participation in subcontracting opportunities.

Contractors should use a goal of 15 percent of their Bid price for locally owned businesses. Businesses must meet the following Section 2-349, Local Preference in Bidding, of Monroe County municipal code definition to be considered a local business: Local businesses shall have had a company address local to the Project as of the beginning of 2012 to receive credit as a local business enterprise.

"Local Business means the vendor has a valid receipt of the business tax paid as issued by Monroe County tax collector at least one year prior to the notice of request for bids or proposals for the business to provide the goods, services or construction to be purchased, and a physical address located within Monroe County from which the vendor operates or performs business on a day-to-day basis that is a substantial component of the goods or

services being offered to Monroe County. Post Office Boxes are not verifiable and shall not be used for the purpose of establishing a physical address. Vendors shall submit a copy of their current receipt of the business tax paid and also affirm in writing their compliance with the foregoing at the time of submitting their bid or proposal to be eligible for consideration as a "Local Business" under this section."

2625. PUBLIC ENTITY CRIMES

"A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statutes Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list."

* * * * *

PROPOSAL

NOTE TO BIDDER: Use Ink, preferably **BLACK**, for completing this PROPOSAL FORM.

To: Florida Keys Aqueduct Authority

Address: 1100 Kennedy Drive, P.O. Box 1239
Key West, Florida 33041-1239

Project Title: Cudjoe Regional Wastewater Inner Islands Collection System and
Transmission System

FCAA Project: 4052-12

Bidder's person to contact for additional information on this Proposal:

Name: Walt Schwarz

Telephone: (305) 294 1645

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the FCAA, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

The Bidder further declares that the Bidder has carefully examined the Contract Documents for the construction of the project, that the Bidder has personally inspected the site, that the Bidder has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Proposal is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Proposal.

The Bidder further agrees that the Bidder has exercised his own judgement regarding the interpretation of subsurface information and has utilized all data which the Bidder believes pertinent from the Engineer, FCAA, and other sources in arriving at his conclusions.

FURTHER REPRESENTATIONS

Bidder further represents that:

- This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- If awarded a Contract, the Florida Trench Safety Act, Florida Statute FS 33-553.60 through 553.64, and applicable trench safety standards will be complied with.

SALES AND USE TAXES

The Bidder agrees that all sales and use taxes are included in the stated bid prices for the work, unless provision is made herein for the Bidder to separately itemize the estimated amount of sales tax.

UNIT PRICE WORK

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents. The amounts shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.

PUBLIC ENTITY CRIMES

“A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.”

FLORIDA TRENCH SAFETY ACT

The Bidder further acknowledges that included in the various items of the Proposal and in the total bid price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) effective October 1, 1990. These costs shall not be paid for in a separate bid item.

CONTINGENCY ALLOWANCE – Bid Item A-1

Bidder further agrees that the amount shown is an estimated amount to be included in the Total Base Bid for unforeseen conditions and conflicts. Bidder further acknowledges that payment will be based on actual costs as determined in conformance with the Contract Documents and as authorized by Change Order. The Owner will negotiate with the Contractor how each Contingency Allowance will be spent prior to performing the work.

ELECTRICAL ALLOWANCE – Bid Item A-2

Bidder further agrees that the amount shown is an estimated amount to be included in the Total Base Bid for to pay Florida Keys Energy Company to provide electrical service to the lift stations and main pump stations. Bidder further acknowledges that payment will be based on actual costs as determined in conformance with the Contract Documents and as authorized by Change Order. The Owner will negotiate with the Contractor how each Electrical Allowance will be spent prior to performing the work.

WATER MAIN REPLACEMENT-HERITAGE TRAIL RESTORATION ALLOWANCE – Bid Item A-3

Bidder further agrees that the amount shown is ~~an estimated amount~~ to be included in the Total Base Bid for ~~water main replacement~~ Heritage Trail Restoration. Bidder agrees to restore all portions of the Heritage Trail disturbed by construction per the Detail. FKAAs has several existing water mains that are being considered for replacement under this contract. FKAAs will determine which mains to be replaced and will provide Drawings for pricing to the Contractor for the work. Bidder further acknowledges that payment will be based on actual square foot costs measured in the field and as determined in conformance with the Contract Documents and as authorized by Change Order. ~~The Owner will negotiate with the Contractor how each Water Main Replacement Allowance will be spent prior to performing the work.~~

LANDSCAPE ALLOWANCE – Bid Item A-4

This allowance is to be used by the Owner to compensate the Bidder for providing approved landscaping at the Upper Sugarloaf Pump Station and the Summerland Pump Station. Bidder to provide a landscape plan for each station based on FKAAs requirements. Bidder further acknowledges that payment will be based on actual costs, as determined in conformance with the Contract Documents.

EMERGENCY DEMOBILIZATION/MOBILIZATION ALLOWANCE – Bid Item A-4

~~This allowance is to be used by the Owner to compensate the Bidder should the need to demobilize/mobilize for the Project, other than the original mobilization/demobilization at the beginning and end of the Project, be necessary. The total time between the demobilization and mobilization shall not exceed sixty (60) calendar days. The allowance stated will be valid~~

~~throughout the contract period. The total number of additional demobilization/mobilization will be determined by the Owner as required.~~

UNIT PRICE BID FORM**CUDJOE REGIONAL INNER ISLANDS WASTEWATER COLLECTION SYSTEM
AND TRANSMISSION SYSTEM****FKAA PROJECT NO.**

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>General Conditions</u>						
GC-1	Mobilization/Demobilization (2%) *	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-2	Bonds and Insurance	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-3A	MOT – FDOT Roads	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-3B	MOT – Monroe County Roads	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-4	Professional Video Taping (Pre-Construction)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-5	As-Built Drawings	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-6	NPDES General Permit Compliance & Silt Fence	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
GC-7	Project Identification Sign	EA	7	_____ Dollars _____ Cents	\$ _____	\$ _____

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
D-1	Submit/obtain SFWMD Dewatering Permit	LS	1	Dollars	\$	\$
				Cents		
D-2	Submit/Obtain FDEP Shallow Injection Well Permit and Well Abandonment Permit	LS	1	Dollars	\$	\$
				Cents		
D-3	Dewatering for all Construction Work	LS	1	Dollars	\$	\$
				Cents		
D-4	Shallow Injection Well Installation and Abandonment	EA	26	Dollars	\$	\$
				Cents		

**Subtotal General Conditions Cost
(GC-1 thru GC-7 and D-1 thru D-4)**

\$

Cudjoe Key

Roadway

R-1	1" <u>Mill and 1"</u> Type S-3 Asphalt Overlay	SY	88,000	Dollars	\$	\$
				Cents		
R-2	US 1 Open Cut Pavement Trench Repair (outside of travel lane)	LF	1,430	Dollars	\$	\$
				Cents		
R-3	Flowable Fill (diggable) between piping that does not meet separation or cover requirements	CY	400	Dollars	\$	\$
				Cents		
R-4	Restore Pavement Markings & Stop Conditions & Reset Signage	LS	1	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>R-5</u>	<u>Temporary Pavement Markings</u>	<u>LS</u>	<u>1</u>	<u> </u> <u>Dollars</u> <u> </u> <u>Cents</u>	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>

Subtotal Cost (R-1 thru R-5)**\$** **Water Distribution System**

W-1	Relocate Existing 4" WM (Dwg. C-151)	LS	1	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>
W-2	Relocate Existing 8" WM (Dwg. C-165)	LS	1	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>
W-3	Relocate Existing 8" WM (Dwg. C-169)	LS	1	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>

Subtotal Cost (W-1 thru W-3)**\$** **Cudjoe Key****Sanitary Sewer System**

S-1	8" SDR 26 Gravity Sanitary Sewer (0-6 ft. deep)	LF	25,300	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>
S-2	8" SDR 26 Gravity Sanitary Sewer (6-8 ft. deep)	LF	9,000	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>
S-3	8" SDR 26 Gravity Sanitary Sewer (8-10 ft. deep)	LF	2,350	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>
S-5	4' Diameter Precast MH w/coating (0-6 ft. deep)	EA	91	<u> </u> Dollars <u> </u> Cents	<u>\$</u> <u> </u>	<u>\$</u> <u> </u>

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
S-6	4' Diameter Precast MH w/coating (6-8 ft. deep)	EA	35	Dollars	\$	\$
				Cents		
S-7	4' Diameter Precast MH w/coating (8-10 ft. deep)	EA	7	Dollars	\$	\$
				Cents		
S-9	4' Diameter Precast MH w/outside drop & w/coating (6-8 ft. deep)	EA	4	Dollars	\$	\$
				Cents		
S-10	4' Diameter Precast MH w/outside drop & w/coating (8-10 ft. deep)	EA	2	Dollars	\$	\$
				Cents		
S-11	6" PVC Sanitary Lateral (Single) w/ C.O. & Trench Restoration	EA	605	Dollars	\$	\$
				Cents		
S-12	6" PVC Sanitary Lateral (Double) w/ C.O. & Trench Restoration	EA	49	Dollars	\$	\$
				Cents		
S-13	TV Survey for Sewer Main	LF	36,591	Dollars	\$	\$
				Cents		
S-14	TV Survey for Sewer Lateral	LF	16,350	Dollars	\$	\$
				Cents		
S-15	Utility Bypass	EA	10	Dollars	\$	\$
				Cents		
Subtotal Cost (S-1 thru S-15)						\$

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
Force Main System						
F-1	2" HDPE DR 11 (IPS) FM w/ Fittings	LF	31,300	_____ Dollars _____ Cents	\$ _____	\$ _____
F-2	3" HDPE DR 11 (IPS) FM w/ Fittings	LF	15,350	_____ Dollars _____ Cents	\$ _____	\$ _____
F-3	4" HDPE DR 11 (DIPS) FM w/ Fittings	LF	6,110	_____ Dollars _____ Cents	\$ _____	\$ _____
F-4	6" HDPE DR 11 (DIPS) FM w/ Fittings	LF	1,200	_____ Dollars _____ Cents	\$ _____	\$ _____
F-5	8" HDPE DR 11 (DIPS) FM w/ Fittings	LF	2,020	_____ Dollars _____ Cents	\$ _____	\$ _____
F-7	4" HDPE DR 11 (DIPS) FM Directional Drill across US1	LF	810	_____ Dollars _____ Cents	\$ _____	\$ _____
F-8	6" HDPE DR 11 (DIPS) FM Directional Drill across US1	LF	150	_____ Dollars _____ Cents	\$ _____	\$ _____
F-9	8" HDPE DR 11 (DIPS) FM Directional Drill across US1	LF	120	_____ Dollars _____ Cents	\$ _____	\$ _____
F-10	4" Polywrapped DIP CL 350 (Epoxy lined) w/ Fittings	LF	125	_____ Dollars _____ Cents	\$ _____	\$ _____

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
F-11	2" HDPE Ball Valve w/ box	EA	85	Dollars	\$	\$
				Cents		
F-12	3" HDPE Ball Valve w/ box	EA	35	Dollars	\$	\$
				Cents		
F-13	4" Plug Valve w/ box	EA	26	Dollars	\$	\$
				Cents		
F-14	6" Plug Valve w/ box	EA	2	Dollars	\$	\$
				Cents		
F-15	8" Plug Valve w/ box	EA	3	Dollars	\$	\$
				Cents		
F-16	Flushing Connection Assemblies	EA	98	Dollars	\$	\$
				Cents		
F-17	Connect to Transmission Main	EA	3	Dollars	\$	\$
				Cents		
F-18	2" ARV w/ Manhole	EA	5	Dollars	\$	\$
				Cents		
F-19	2" ARV Above Ground w/ Enclosure	EA	4	Dollars	\$	\$
				Cents		
F-20	Utility Bypass (Crossing exist. WM)	EA	10	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
Subtotal Cost (F-1 thru F-20)						\$
<u>Low Pressure Sewer/Grinder Pump Systems</u>						
LPS-1	Simplex Low Pressure Station (civil/mechanical/electrical complete)	EA	291	_____ Dollars _____ Cents	\$ _____	\$ _____
LPS-2	Duplex Low Pressure Station (civil/mechanical/electrical complete)	EA	2	_____ Dollars _____ Cents	\$ _____	\$ _____
LPS-3	Duplex Low Pressure Lateral Kit for Commercial Properties	EA	13	_____ Dollars _____ Cents	\$ _____	\$ _____
Subtotal Cost (LPS-1 thru LPS-3)						\$
<u>Area Lift Stations</u>						
L-1	Lift Station 1 (quadraplex) Dwg C-53 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-2	Lift Station 2 (triplex) Dwg C-33 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-3	Lift Station 3 (triplex) Dwg C-30 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-4	Lift Station 4 (triplex) Dwg C-27 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
L-5	Lift Station 5 (triplex) Dwg C-22 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-6	Lift Station 6 (triplex) Dwg C-107 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-7	Lift Station 7 (quadraplex) Dwg C-123 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-8	Lift Station 8 (quadraplex) Dwg C-151 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-9	Lift Station 9 (quadraplex) Dwg C-131 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-10	Lift Station 10 (quadraplex) Dwg C-130 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-11	Lift Station 11 (quadraplex) Dwg C-127 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-12	Lift Station 12 (quadraplex) Dwg C-171 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-13	Lift Station 13 (quadraplex) Dwg C-169 (complete)	LS	1	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
L-14	Lift Station 14 (quadraplex) Dwg C-165 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-15	Portable Generator for Lift Station	EA	23	Dollars	\$	\$
				Cents		
Subtotal Cost (L-1 thru L-15)						\$
<u>Culvert Crossings</u>						
C-1	Culvert Crossing #1 (Dwg C-13, STA 20+95)	LS	1	Dollars	\$	\$
				Cents		
C-2	Culvert Crossing #2 (Dwg C-14, STA 18+10)	LS	1	Dollars	\$	\$
				Cents		
C-3	Culvert Crossing #3 (Dwg C-14, STA 15+30)	LS	1	Dollars	\$	\$
				Cents		
C-4	Culvert Crossing #4 (Dwg C-15, STA 12+25)	LS	1	Dollars	\$	\$
				Cents		
C-5	Culvert Crossing #5 (Dwg C-16, STA 4+20)	LS	1	Dollars	\$	\$
				Cents		
C-6	Culvert Crossing #6 (Dwg C-43 STA 1+50)	LS	1	Dollars	\$	\$
				Cents		
<u>Subtotal Cost (C-1 thru C-6)</u>					\$	\$
SUB TOTAL CUDJOE KEY					\$	

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>Upper Sugarloaf Key</u>						
<u>Roadway</u>						
R-1	1" <u>Mill and 1"</u> Type S-3 Asphalt Overlay	SY	12,000	_____ Dollars _____ Cents	\$ _____	\$ _____
R-2	US 1 Open Cut Pavement Trench Repair (outside of travel lane)	LF	490	_____ Dollars _____ Cents	\$ _____	\$ _____
R-3	Flowable Fill (diggable) between piping that does not meet separation or cover requirements	CY	100	_____ Dollars _____ Cents	\$ _____	\$ _____
R-4	Restore Pavement Markings & Stop Conditions & Reset Signage	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
<u>R-5</u>	<u>Temporary Pavement Markings</u>	<u>LS</u>	<u>1</u>	_____ Dollars _____ Cents	<u>\$ _____</u>	<u>\$ _____</u>
<u>Subtotal Cost (R-1 thru R-5)</u>						\$ _____
<u>Sanitary Sewer System</u>						
S-1	8" SDR 26 Gravity Sanitary Sewer (0-6 ft. deep)	LF	2,800	_____ Dollars _____ Cents	\$ _____	\$ _____
S-2	8" SDR 26 Gravity Sanitary Sewer (6-8 ft. deep)	LF	1,220	_____ Dollars _____ Cents	\$ _____	\$ _____
S-3	8" SDR 26 Gravity Sanitary Sewer (8-10 ft. deep)	LF	700	_____ Dollars _____ Cents	\$ _____	\$ _____

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
S-4	8" SDR 26 Gravity Sanitary Sewer (10-12 ft. deep)	LF	20	Dollars	\$	\$
				Cents		
S-5	4' Diameter Precast MH w/coating (0-6 ft. deep)	EA	11	Dollars	\$	\$
				Cents		
S-6	4' Diameter Precast MH w/coating (6-8 ft. deep)	EA	5	Dollars	\$	\$
				Cents		
S-7	4' Diameter Precast MH w/coating (8-10 ft. deep)	EA	2	Dollars	\$	\$
				Cents		
S-11	6" PVC Sanitary Lateral (Single) w/ C.O. & Trench Restoration	EA	77	Dollars	\$	\$
				Cents		
S-4213	TV Survey for Sewer Main	LF	4,740	Dollars	\$	\$
				Cents		
S-14	TV Survey for Sewer Laterals	LF	1,925	Dollars	\$	\$
				Cents		
S-15	Utility Bypass	EA	10	Dollars	\$	\$
				Cents		
Subtotal Cost (S-1 thru S-15)						\$
Force Main System						
F-1	2" HDPE DR 11 (IPS) FM w/ Fittings	LF	27,435	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
F-2	3" HDPE DR 11 (IPS) FM w/ Fittings	LF	6,000	Dollars	\$	\$
				Cents		
F-3	4" HDPE DR 11 (DIPS) FM w/ Fittings	LF	4,750	Dollars	\$	\$
				Cents		
F-4	6" HDPE DR 11 (DIPS) FM w/ Fittings	LF	10	Dollars	\$	\$
				Cents		
F-6	2" HDPE DR 11 (IPS) FM Directional Drill across US1	LF	280	Dollars	\$	\$
				Cents		
F-7	4" HDPE DR 11 (DIPS) FM Directional Drill across US1	LF	160	Dollars	\$	\$
				Cents		
F-11	2" HDPE Ball Valve w/ box	EA	29	Dollars	\$	\$
				Cents		
F-12	3" HDPE Ball Valve w/ box	EA	10	Dollars	\$	\$
				Cents		
F-13	4" Plug Valve w/ box	EA	9	Dollars	\$	\$
				Cents		
F-16	Flushing Connection Assemblies	EA	43	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
F-17	Connect to Transmission Main	EA	1	Dollars	\$	\$
				Cents		
F-18	2" ARV w/ Manhole	EA	1	Dollars	\$	\$
				Cents		
F-20	Utility Bypass (Crossing exist. WM)	EA	10	Dollars	\$	\$
				Cents		

Subtotal Cost (F-1 thru F-20)**\$****Low Pressure Sewer/Grinder Pump Systems**

LPS-1	Simplex Low Pressure Station (civil/mechanical/electrical complete)	EA	157	Dollars	\$	\$
				Cents		
LPS-2	Duplex Low Pressure Lateral Kit for Commercial Properties	EA	13	Dollars	\$	\$
				Cents		

Subtotal Cost (LPS-1 thru LPS-2)**\$****Area Lift Stations**

L-1	Lift Station 1 (quadraplex) Dwg C-50 (complete)	LS	1	Dollars	\$	\$
				Cents		
L-15	Portable Generator for Area Lift Station	EA	1	Dollars	\$	\$
				Cents		

Subtotal Cost (L-1 thru L-15)**\$****SUBTOTAL UPPER SUGARLOAF KEY****\$**

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>Summerland Key</u>						
<u>Roadway</u>						
R-1	1" <u>Mill and 1"</u> Type S-3 Asphalt Overlay	SY	72,150	_____ Dollars _____ Cents	\$ _____	\$ _____
R-2	US 1 Open Cut Pavement Trench Repair (outside of travel lane)	LF	500	_____ Dollars _____ Cents	\$ _____	\$ _____
R-3	Flowable Fill (diggable) between piping that does not meet separation or cover requirements	CY	200	_____ Dollars _____ Cents	\$ _____	\$ _____
R-4	Restore Pavement Markings & Stop Conditions & Reset Signage	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
<u>R-5</u>	<u>Temporary Pavement Markings</u>	<u>LS</u>	<u>1</u>	<u>_____ Dollars</u> <u>_____ Cents</u>	<u>\$ _____</u>	<u>\$ _____</u>
<u>Subtotal Cost (R-1 thru R-5)</u>						\$ _____
<u>Water Distribution System</u>						
W-1	Relocate Existing 2" WM (Dwg. C-33)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
W-2	Relocate Existing 2" WM (Dwg. C-36)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
W-3	Relocate Existing 2" WM (Dwg. C-39)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
W-4	Relocate Existing 2" WM (Dwg. C-42)	LS	1	Dollars	\$	\$
				Cents		
Subtotal Cost (W-1 thru W-4)						\$
<u>Sanitary Sewer System</u>						
S-1	8" SDR 26 Gravity Sanitary Sewer (0-6 ft. deep)	LF	17,800	Dollars	\$	\$
				Cents		
S-2	8" SDR 26 Gravity Sanitary Sewer (6-8 ft. deep)	LF	8,425	Dollars	\$	\$
				Cents		
S-3	8" SDR 26 Gravity Sanitary Sewer (8-10 ft. deep)	LF	4,700	Dollars	\$	\$
				Cents		
S-4	8" SDR 26 Gravity Sanitary Sewer (10-12 ft. deep)	LF	60	Dollars	\$	\$
				Cents		
S-5	4' Diameter Precast MH w/coating (0-6 ft. deep)	EA	63	Dollars	\$	\$
				Cents		
S-6	4' Diameter Precast MH w/coating (6-8 ft. deep)	EA	25	Dollars	\$	\$
				Cents		
S-7	4' Diameter Precast MH w/coating (8-10 ft. deep)	EA	12	Dollars	\$	\$
				Cents		
S-8	4' Diameter Precast MH w/coating (10-12 ft. deep)	EA	1	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
S-10	4' Diameter Precast MH w/outside drop & w/coating (8-10 ft. deep)	EA	2	Dollars Cents	\$	\$
S-11	6" PVC Sanitary Lateral (Single) w/ C.O. & Trench Restoration	EA	561	Dollars Cents	\$	\$
S-12	6" PVC Sanitary Lateral (Double) w/ C.O. & Trench Restoration	EA	22	Dollars Cents	\$	\$
S-13	TV Survey for Sewer Main	LF	30,985	Dollars Cents	\$	\$
S-14	TV Survey for Sewer Laterals	LF	14,575	Dollars Cents	\$	\$
S-15	Utility Bypass	EA	10	Dollars Cents	\$	\$
Subtotal Cost (S-1 thru S-15)						\$
<u>Force Main System</u>						
F-1	2" HDPE DR 11 (IPS) FM w/ Fittings	LF	18,795	Dollars Cents	\$	\$
F-2	3" HDPE DR 11 (IPS) FM w/ Fittings	LF	2,480	Dollars Cents	\$	\$
F-3	4" HDPE DR 11 (DIPS) FM w/ Fittings	LF	7,360	Dollars Cents	\$	\$

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
F-4	6" HDPE DR 11 (DIPS) FM w/ Fittings	LF	6,810	Dollars	\$	\$
				Cents		
F-6	2" HDPE DR 11 (IPS) FM Directional Drill across US1	LF	240	Dollars	\$	\$
				Cents		
F-8	6" HDPE DR 11 (DIPS) FM Directional Drill across US1	LF	675	Dollars	\$	\$
				Cents		
F-11	2" HDPE Ball Valve w/ box	EA	38	Dollars	\$	\$
				Cents		
F-12	3" HDPE Ball Valve w/ box	EA	4	Dollars	\$	\$
				Cents		
F-13	4" Plug Valve w/ box	EA	7	Dollars	\$	\$
				Cents		
F-14	6" Plug Valve w/ box	EA	6	Dollars	\$	\$
				Cents		
F-16	Flushing Connection Assemblies	EA	50	Dollars	\$	\$
				Cents		
F-17	Connect to Transmission Main	EA	1	Dollars	\$	\$
				Cents		
F-18	2" ARV w/ Manhole	EA	1	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
F-20	Utility Bypass (Crossing Exist. WM)	EA	10	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
Subtotal Cost (F-1 thru F-20)						<hr/> \$ <hr/>
<u>Low Pressure Sewer/Grinder Pump Systems</u>						
LPS-1	Simplex Low Pressure Station (civil/mechanical/electrical complete)	EA	133	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
LPS-2	Duplex Low Pressure Lateral Kit for Commercial Properties	EA	28	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
Subtotal Cost (LPS-1 thru LPS-2)						<hr/> \$ <hr/>
<u>Area Lift Stations</u>						
L-1	Lift Station 1 (quadraplex) Dwg C-17 (complete)	LS	1	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
L-2	Lift Station 2 (quadraplex) Dwg C-23 (complete)	LS	1	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
L-3	Lift Station 3 (triplex) Dwg C-42 (complete)	LS	1	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
L-4	Lift Station 4 (triplex) Dwg C-39 (complete)	LS	1	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>
L-5	Lift Station 5 (triplex) Dwg C-36 (complete)	LS	1	<hr/> Dollars <hr/> Cents	<hr/> \$ <hr/>	<hr/> \$ <hr/>

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
L-6	Lift Station 6 (triplex) Dwg C-33 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-7	Lift Station 7 (quadraplex) Dwg C-35 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-8	Lift Station 8 (quadraplex) Dwg C-106 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-9	Lift Station 9 (quadraplex) Dwg C-95 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-10	Lift Station 10 (triplex) Dwg C-89 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-11	Lift Station 11 (quadraplex) Dwg C-60 (complete)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____
L-15	Portable Generator for Lift Station	EA	2	_____ Dollars _____ Cents	\$ _____	\$ _____
Subtotal Cost (L-1 thru L-15)						\$ _____
<u>Bridge Crossings</u>						
B-1	Bridge Crossing #1 (Dwg C-14, STA 2+20)	LS	1	_____ Dollars _____ Cents	\$ _____	\$ _____

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
B-2	Bridge Crossing #2 (Dwg C-31, STA 2+25)	LS	1		\$	\$
				Dollars		
				Cents		

Subtotal Cost (B-1 thru B-2)

\$

SUBTOTAL SUMMERLAND KEY

\$

Transmission Main

Roadway

TR-1	1" Type S-3 Asphalt Overlay		100		\$	\$
				Dollars		
				Cents		
TR-2	US 1 Open Cut Pavement Trench Repair (outside of travel lane)	LF	4,350		\$	\$
				Dollars		
				Cents		
TR-4	Restore Pavement Markings & Stop Conditions & Reset Signage	LS	1		\$	\$
				Dollars		
				Cents		
TR-5	Restore Gravel Walkway & Driveway Temporary Pavement Markings	FSL	2,300		\$	\$
				Dollars		
				Cents		

Subtotal ~~Cost~~ Roadway (TR-1 thru TR-5)

\$

Bridge Crossing

TB-1	Bow Channel Bridge Crossing	LS	1		\$	\$
				Dollars		
				Cents		
TB-2	Kemp Channel Bridge	LS	1		\$	\$
				Dollars		
				Cents		

Subtotal ~~Cost~~ Bridge Crossing (TB-1 thru TB-2)

\$

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>Transmission Main System</u>						
TM-4.20	6 14-inch PVC Open Cut (0-6 ft. deep)	LF	9,800	Dollars	\$	\$
				Cents		
TM-2	6-inch DIP Open Cut (0-6 ft. deep)	LF	100	Dollars	\$	\$
				Cents		
TM-3	6-inch HDPE Open Cut (0-6 ft. deep)	LF	100	Dollars	\$	\$
				Cents		
TM-4	6 14-inch HDPE Horizontal Directional Drill	LF	2 400	Dollars	\$	\$
				Cents		
TM-5.19	6 14-inch HDPE Installed in 18" water main	LF	3,900 7,100	Dollars	\$	\$
				Cents		
TM-6	8-inch PVC Open Cut (0-6 ft. deep)	LF	1,500	Dollars	\$	\$
				Cents		
TM-7	8-inch DIP Open Cut (0-6 ft. deep)	LF	40	Dollars	\$	\$
				Cents		
TM-8	8-inch HDPE Installed in 18" water main	LF	5,000	Dollars	\$	\$
				Cents		
TM-9	10-inch DIP Open Cut (0-6 ft. deep)	LF	40	Dollars	\$	\$
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
TM-10	10-inch HDPE Installed in 18" water main	LF	7,000	Dollars	\$	\$
				Cents		
TM-11	12-inch PVC Open Cut (0-6 ft. deep)	LF	100	Dollars	\$	\$
				Cents		
TM-12	16-inch PVC Open Cut (0-6 ft. deep)	LF	4,100	Dollars	\$	\$
				Cents		
TM-13	Flushing Connection Assemblies	EA	3	Dollars	\$	\$
				Cents		
TM-14	Connection to Transmission Main at Valencia Road and Blimp Road	LS	1	Dollars	\$	\$
				Cents		
TM-15	2" ARV with Manhole	EA	14	Dollars	\$	\$
				Cents		
TM-16	Pipe Cutouts for Insertion of HDPE pipe into 18" water main	EA	20	Dollars	\$	\$
				Cents		
TM-17	12-inch Plug Valve	EA	1	Dollars	\$	\$
				Cents		
TM-18	8-inch Plug Valve	EA	2	Dollars	\$	\$
				Cents		
Subtotal Cost Transmission (TM-1 thru TM-20)						\$

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>Main Pump Stations</u>						
MP-1	Upper Sugarloaf Main Pump Station	LS	1		\$	\$
				Dollars		
				Cents		
MP-2	Summerland Main Pump Station	LS	1		\$	\$
				Dollars		
				Cents		
<u>Subtotal Cost Main Pump Stations (MP-1 thru MP-2)</u>						\$
<u>SUBTOTAL TRANSMISSION MAIN</u>						\$
<u>WATER MAIN REPLACEMENTS</u>						
WM-1	4" PVC C-900	LF	5,800		\$	\$
				Dollars		
				Cents		
WM-2	6" PVC C-900	LF	1,300		\$	\$
				Dollars		
				Cents		
WM-3	8" PVC C-900	LF	4,100		\$	\$
				Dollars		
				Cents		
WM-4	12" PVC C-900	LF	4,700		\$	\$
				Dollars		
				Cents		
WM-5	Fire Hydrants	EA	13		\$	\$
				Dollars		
				Cents		
WM-6	Fire Hydrants Relocation	EA	1		\$	\$
				Dollars		
				Cents		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
<u>WM-7</u>	<u>Water Meter Reconnections</u>	<u>EA</u>	<u>182</u>	<u>Dollars</u>	\$	\$
				<u>Cents</u>		
<u>WM-8</u>	<u>Water Main Disinfection</u>	<u>LS</u>	<u>1</u>	<u>Dollars</u>	\$	\$
				<u>Cents</u>		
<u>Subtotal Water Mains (WM-1 thru WM-8)</u>						\$
<u>ALLOWANCES</u>						
A-1	Contingency Allowances (unforeseen conditions)	LS	1	<u>1,000,000</u> Dollars 00 Cents	<u>\$ 1,000,000</u> <u>200,000</u>	<u>\$ 1,000,000</u> <u>200,000</u>
A-2	Electrical Allowances (FKEC)	LS	1	<u>75,000</u> Dollars 00 Cents	<u>\$75,000</u>	<u>\$75,000</u>
<u>A-3</u>	<u>Water Main Replacement Allowance</u>	<u>LS</u>	<u>4</u>	<u>500,000</u> Dollars 00 Cents	<u>\$ 500,000.00</u>	<u>\$ 500,000.00</u>
<u>A-43</u>	<u>Emergency Demobilization/Mobilization Allowance</u> <u>Heritage Trail Restoration Allowance</u>	<u>LSSF</u>	<u>5,000</u>	<u>Dollars</u> <u>Cents</u>	\$	\$
<u>A-4</u>	<u>Landscape Allowance</u>	<u>LS</u>	<u>1</u>	<u>\$20,000</u> Dollars 00 Cents	<u>\$20,000</u>	<u>\$20,000</u>
<u>Subtotal Cost Allowances</u>						

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE (in words)	UNIT PRICE	EXTENDED TOTAL PRICE
	TOTAL UNIT PRICE					
	BID ITEMS (in words)			Dollars		
	(Subtotal Cudjoe, Upper Sugarloaf, Summerland, Transmission Main, Water Main Replacements and Allowances)					
				Cents		
				\$		

The Bidder agrees to accept as full payment for the Work proposed under this Project, as herein specified and as shown on the Drawings, the following Total Unit Price Base Bid amount:

_____ DOLLARS
 (Amount written in words has precedence)
 and _____ CENTS \$ _____

Deductive Alternate No. 1 – Cudjoe Key: Installation of 14-inch HDPE Pipe in 18-inch Water Main:

Install Approximately 4,200 lineal feet of 14-inch HDPE pipe in the abandoned 18-inch water main and delete 4,000 lineal feet of 14-inch PVC (Open Cut) and 200 lineal feet HDPE horizontal directional drill. If the existing 18-inch water main can located and is determine to be acceptable for use as a carrier pipe from Station 746+00 to Station 765+50 then the method of installation will be changed from open cut to installed within the abandoned water main.

_____ LS (\$ _____)

Deductive Alternate No. 2 – Summerland Key: Installation of 14-inch HDPE Pipe in 18-inch Water Main:

Install Approximately 3,000 lineal feet of 14-inch HDPE pipe in the abandoned 18-inch water main and delete 2,800 lineal feet of 14-inch PVC (Open Cut) and 200 lineal feet HDPE horizontal directional drill. If the existing 18-inch water main can located and is determine to be acceptable for use as a carrier pipe from Station 778+50 to Station 808+50 then the method of installation will be changed from open cut to installed within the abandoned water main.

_____ LS (\$ _____)

Bid Alternate No.1 – Replace DIP with Stainless Steel Pipe For Bridge Crossings:

Replace the DI pipe as shown on the drawings for the Bow Channel Crossing and the Kemp Channel Crossing with 316 Stainless Steel schedule 10 flanged pipe.

_____ LS \$ _____

Additive Alternate No. 1 – Provide Collection System to the Additive Service Area and Additional Outreach Area on Upper Sugarloaf Key:

Provide a collection system with all appurtenances and connect to the collection service constructed as part of this contract all Additive Service Area for Upper Sugarloaf Key as shown on Supplement 3 attached to Section 01 15 00 Sequence of Work (Yellow Areas).

LS \$

Provide a collection system with all appurtenances and connect to the collection service constructed as part of this contract all Additional Outreach Area for Upper Sugarloaf Key as shown on Supplement 3 attached to Section 01 15 00 Sequence of Work (Blue Areas).

LS \$

Additive Alternative No.2 – Addition to Base Bid to Meet All Florida Department of Environmental Protection Bureau of Water Facilities Funding Supplementary Conditions for Formally Advertised Construction Procurement:

Contractor to provide an additive to the Total Unit Price Base Bid amount to implement the requirements necessary for FDEP Funding as stated in Supplement 1 to Section 00 51 00 Supplementary Conditions.

LS \$

~~Deductive Alternate #1: Sta 745+75 to Sta 765+75~~
~~Installation of 6-inch HDPE Pipe in 18-inch Water Main:~~

~~Additive Alternative #1: Upper Sugarloaf Additional
Collection System~~

~~1 L.S. \$~~

SURETY

Payment and Performance Bonds will be furnished by a Surety. The Surety who will provide the Payment and Performance Bonding will be _____
 whose address _____

Street

_____, _____, _____
 City State Zip Code

BIDDER

The name of the Bidder submitting this Proposal is

_____, doing business at

_____, _____, _____, _____
Street City State Zip Code

which is the address to which all communications concerned with this Proposal and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Proposal, or of the partnership, or of all persons interested in this Proposal as principals are as follows:

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this _____ day
of _____ 20_____.

Signature of Bidder: _____

Title: _____

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this _____ day of _____ 20.

(SEAL)

Name of Corporation

By _____

Title _____

Attest _____

Secretary

END OF SECTION

CONTRACT

THIS AGREEMENT, made and entered into on the ____ day of _____, 20____, by and between _____, the "Contractor" and the "FLORIDA KEYS AQUEDUCT AUTHORITY", THE FCAA

W I T N E S S E T H:

That the Contractor, for the consideration hereinafter fully set out, hereby agrees with the FCAA as follows:

1. That the Contractor shall furnish materials as required, and perform all of the work in manner and form as provided by the following enumerated Contract Documents, which are attached hereto and made a part hereof, as if fully contained here:

Invitation to Bid; Instructions to Bidders; General Conditions; Supplementary Conditions; Specifications; Proposal; Addenda; and the Drawings. As contained in:

**Cudjoe Regional Wastewater Inner Islands
Collection System and Transmission System**

FCAA Project No. 4052-12

2. The Work for the entire Project must be substantially completed, as defined by Article 1.16 of the General Conditions, within **1,080 calendar days from the date of the Notice to Proceed** commences to run as provided in Article 1.15, of the General Conditions, and completed and ready for final payment in accordance with Article 1.17, of the General Conditions within 1,140 calendar days from the date of the Notice to Proceed. The work for the Cudjoe Collection System and Transmission System must be substantially complete within 540 calendar days from the date of the Notice To Proceed as an interim Substantial Completion.
3. Liquidated Damages: The Contractor recognizes that time is of the essence of the FCAA Contract and that the FCAA will suffer financial loss if the work is not procured or completed within specific times or the times specified in paragraph 2 above, plus any extensions thereof allowed in accordance with Article 7.9, of the General Conditions.
 - All parties recognize the delays, expense and difficulties involved in proving in a legal proceeding the actual loss suffered by the FCAA if the work is not completed on time. Accordingly, instead of requiring any such proof, the FCAA and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay the FCAA after Substantial Completion if Contractor shall neglect, refuse or fail to complete the remaining the work within the contract time or any proper extension thereof granted by the FCAA, Contractor shall pay the FCAA \$52,0500.00 for each day that expires after the time specified for substantial completion and \$34,0050.00 for each day that expires after the time specified for final completion. Sundays and legal holidays shall be included in determining days in default. If the Contractor fails to meet the interim Substantial Completion for the Cudjoe Collection System and Transmission System, the Contractor agrees to pay the FCAA \$1,000.00 for each day that expires after the time specified.

5. That the FKAA hereby agrees to pay to the Contractor for the faithful performance of this Contract Cudjoe Regional Wastewater Collection System and Cudjoe Regional Wastewater Transmission System, subject to additions and deductions as provided in the Contract Documents, in lawful money of the United States, the amount of:

(\$ _____) _____

based on the estimated quantities and Unit or Lump Sum Prices contained herein.

6. That on or before the 30th day of each calendar month, the FKAA shall make partial payments to the Contractor on the basis of a duly certified and approved estimate of work performed during the preceding calendar month by the FKAA, **LESS** the retainage provided in the General Conditions, which is to be withheld by the FKAA until all work within a particular part has been performed strictly in accordance with this Contract and until such work has been accepted by the FKAA.
7. That upon submission by the Contractor, of evidence satisfactory to the FKAA that all payrolls, material bills, and other costs incurred by the Contractor, in connection with the construction of the work have paid in full, final payment on account of this Contract shall be made within 60 days after the completion by the Contractor, of all work covered by this Contract and the acceptance of such work by the FKAA.
8. It is further mutually agreed between the parties hereto that if, at any time after the execution of the Contract and the Surety Bonds, hereto attached for its faithful performance and payment, the FKAA shall deem the Surety or Sureties upon any such bond to be unsatisfactory or if, for any reason any such bond ceases to be adequate to cover the performance of the work, the Contractor shall, at its expense, within 5 days after the receipt of notice from the FKAA so to do, furnish an additional bond or bonds in such form and amount and with such Surety or Sureties as shall be satisfactory to the FKAA. In such event, no further payment to the Contractor shall be deemed to be due under this Contract until such new or additional security for the faithful performance of the work shall be furnished in manner and form satisfactory to the FKAA.
9. No additional work or extras shall be done unless the same shall be duly authorized by appropriate action by the FKAA and written notice shall be delivered to Contractor directing Contractor to proceed with such additional work or extras.
10. That the Contractor shall furnish Payment and Performance Bonds which comply with Chapter 255, Florida Statutes, and other applicable law.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and date first above written, in ____ counterparts, each of which shall, without proof or accounting for the other counterpart be deemed an original Contract.

WITNESSES:

CONTRACTOR

By _____
Title _____

FKAA

ATTEST:

Clerk

By _____
Title _____

BOARD APPROVAL DATE: _____

SECTION 01 11 00 SUMMARY OF WORK

PART 1 GENERAL

1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Project is comprised of a collection system and transmission to serve the Inner Islands of the Cudjoe Regional Wastewater System (Cujoe Key, Upper Sugarloaf Key, and Summerland Key). The proposed collection system and transmission system Contract Documents consist of the following:

1. Cudjoe Regional Wastewater Inner Islands Collection System and Transmission System:

Contract Reference	<u>Document Name</u>Project	<u>Project</u>Prepared By
Volume 1 of 7	Contract Documents	CH2M HILL/Mathews Consulting
Volume 2 of 7	Collection System	Mathews Consulting
Volume 3 of 7	Transmission System	CH2M HILL
Volume 4 of 7	Cudjoe Key Collection	Mathews Consulting
Volume 5 of 7	Upper Sugarloaf Key Collection	Mathews Consulting
Volume 6 of 7	Summerland Key Collection	Mathews Consulting
Volume 7 of 7	Transmission System	CH2M HILL

- B. The total work for the Cudjoe Regional Inner Islands Collection System and Transmission System consists of furnishing all labor, materials equipment, services, fittings, valves, connections, and appurtenances for the installation of a hybrid wastewater collections system and pressure transmission system. The hybrid collection system consists of a combination of a conventional gravity sewer system and a low pressure sewer system. The transmission system consists of primary pump stations and force main to convey the collected wastewater to the Wastewater Treatment Facility being constructed on Cudjoe Key.

C. The main components of the hybrid system are:

- Approximately 73,000 lineal feet of 8-inch PVC gravity sewer
- 26 Neighborhood lift stations (Triplex and Quadplex)
- 581 Simplex low pressure pump stations
- 2 Duplex low pressure pump stations
- 54 Duplex low pressure lateral kit for commercial properties
- Approximately 78,000 lineal feet of 2-inch HDPE force main
- Approximately 24,000 lineal feet of 3-inch HDPE force main
- Approximately 19,000 lineal feet of 4-inch HDPE force main
- Approximately 9,000 lineal feet of 6-inch HDPE force main
- Approximately 2,000 lineal feet of 8-inch HDPE force main
- Related appurtenances and miscellaneous items

D. The main components of the transmission system are:

- Approximately 10,000 lineal feet of 6-inch force main (open cut)
- Approximately 4,000 lineal feet of 6-inch HDPE force main installed in an existing 18-inch steel water main
- Approximately 2,000 lineal feet of 8-inch force main (open cut)
- Approximately 5,000 lineal feet of 8-inch HDPE force main installed in the existing 18-inch water main
- Approximately 7,000 lineal feet of 10-inch HDPE force main installed in the existing 18-inch water main
- Approximately 5,000 lineal feet of 16-inch force main (open cut)
- 4 bridge crossings with DIP force main
- Main Pump Stations with Odor Control and Emergency Generators
- Related appurtenances and miscellaneous items

E. The main components of the water line replacements are:

- Approximately 5,800 lineal feet of 4-inch PVC C-900 water main
- Approximately 1,300 lineal feet of 6-inch PVC C-900 water main
- Approximately 4,100 lineal feet of 8-inch PVC C-900 water main
- Approximately 4,700 lineal feet of 12-inch PVC C-900 water main
- 14 Fire hydrants (13 new and 1 relocated)
- 182 water meters reconnections
- Related appurtenances and miscellaneous items
- Drawings are attached at the end of this section

E.F. All~~Both~~ systems will require roadway removal and repair, dewatering, MOT's, restoration, and miscellaneous items and appurtenances.

F.G. The Contractor shall prosecute the Work under the FKAA's Minimum Construction Standards and Specifications, a copy of which is available from the FKAA Department of Engineering. The Contractor shall comply with all codes, ordinances, rules, regulations, orders, and other legal requirements of the FKAA, Monroe County, FDOT, FDEP, and the Army Corps of Engineers.

G.H. Contractor shall coordinate their construction work with reference to Section 01 15 00, Sequence of Work.

H.I. Deductive Alternate No. 1 – Cudjoe Key: Installation of 146-inch HDPE Pipe in 18-inch Water Main:

1. Install Approximately 4,200 lineal feet of 146-inch HDPE pipe in the abandoned 18-inch water main and delete 4,000 lineal feet of 146-inch PVC (Open Cut) and 200 lineal feet HDPE horizontal directional drill. If the existing 18-inch water main can located and is determine to be acceptable for use as a carrier pipe from Station 746+00 to Station 765+50 then the method of installation will be changed from open cut to installed within the abandoned water main.

J. Deductive Alternate No. 2 – Summerland Key: Installation of 14-inch HDPE Pipe in 18-inch Water Main:

1. Install Approximately 3,000 lineal feet of 14-inch HDPE pipe in the abandoned 18-inch water main and delete 2,800 lineal feet of 14-inch PVC (Open Cut) and 200 lineal feet HDPE horizontal directional drill. If the existing 18-inch water main can located and is determine to be acceptable for use as a carrier pipe from Station 778+50 to Station 808+50 then the method of installation will be changed from open cut to installed within the abandoned water main.

K. Bid Alternate No.1 – Replace DIP with Stainless Steel Pipe For Bridge Crossings:

1. Replace the DI pipe as shown on the drawings for the Bow Channel Crossing and the Kemp Channel Crossing with 316 Stainless Steel schedule 10 flanged pipe.

L. Additive Alternate No. 1 – Provide Collection System to the Additive Service Area and Additional Outreach Area on Upper Sugarloaf Key:

1. Provide a collection system with all appurtenances and connect to the collection service constructed as part of this contract all Additive Service Area for Upper Sugarloaf Key as shown on Supplement 3 attached to Section 01 15 00 Sequence of Work (Yellow Areas).
2. Provide a collection system with all appurtenances and connect to the collection service constructed as part of this contract all Additional Outreach Area for Upper Sugarloaf Key as shown on Supplement 3 attached to Section 01 15 00 Sequence of Work Blue Areas).

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

~~3.01 CONTRACTOR COORDINATION WITH CUDJOE KEY, UPPER SUGARLOAF KEY, AND SUMMERLAND KEY HOMEOWNERS ASSOCIATION(S)~~

- ~~A. Contractor shall coordinate with any Homeowners A. Associations in the Project Area and abide by their requirements as they relate to personnel conduct, parking, dress code, vehicle signage, and personnel identification.~~
- ~~B. Contractor shall communicate with FKAA and any Homeowners Associations in the Project Area to identify their designated representatives in specified areas, and coordinate with their representatives for the progress of the work and to resolve problems concerning their facilities as they occur.~~

SUPPLEMENTS

A. The supplements listed below, following “End of Section” is part of this specification.

1. Drawing D-2958; Sheet C-1: Distribution System Upgrade Blimp Road Cudjoe Key.
2. Drawing D-2960; Sheet C-1: Distribution System Upgrade US Hwy 1 Summerland Key.
3. Drawing D-2960; Sheet C2: Distribution System Upgrade US Hwy 1 Summerland Key.
4. Drawing D-2961; Sheet C-1: Distribution System Upgrade Summerland Cove Isle Summerland Key.
5. Drawing D-2961; Sheet C-2: Distribution System Upgrade Summerland Cove Isle Summerland Key.
6. Drawing D-2961; Sheet C-3: Distribution System Upgrade Summerland Cove Isle Summerland Key.

END OF SECTION

