



**Board of County Commissioners
St. Johns County, Florida**

BID NO: 10-19

ANASTASIA ISLAND WWTP AQUABELT REHABILITATION

**BID DOCUMENTS
PROJECT SPECIFICATIONS**

**St. Johns County Purchasing Department
2446 Dobbs Road
St. Augustine, Fl 32086
(904) 209-0150**

Final – 2/23/10

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PROJECT SPECIFICATIONS

NOTICE TO BIDDERS – CONSTRUCTION

Notice is hereby given that sealed bids will be received **until 2:00 P.M.** on **Wednesday, March 24, 2010**, Jaime Toney, Contract Coordinator, St. Johns County Purchasing Department, located at 2446 Dobbs Road, St. Augustine, Florida 32086, for **Anastasia Island WWTP Aquabelt Rehabilitation**. Bids will be opened promptly after the 2:00 P.M. deadline. Bids delivered to or received by the Purchasing Department after the 2:00 P.M. deadline shall not be give consideration and shall be returned to the sender unopened.

Scope of Work:

The scope of work for this project includes furnishing all labor, equipment, materials and any other items essential to rehabilitate one (1) Aquabelt Type 85 Size 1 at the Anastasia Island WWTP. This includes removing the existing Aquabelt roller bearing assemblies and installing the new Aquabelt roller bearing assemblies and replacement components. The project is located at 860 W 16th Street, St. Augustine, FL 32080.

Any and all questions relative to this project shall be directed, ***in writing***, to Jaime Toney, Contract Coordinator, SJC Purchasing Department, via email at jtoney@sjcfl.us. The deadline for all questions shall be end of business day on Friday, March 12, 2010.

Bid Packages are available from Onvia/DemandStar Inc. at www.demandstar.com by requesting Document **#10-19**. Vendors registered with DemandStar.com can download most packages at no cost. Vendors not registered with DemandStar may contact them at 800-331-5337 for information. Bid Package requests may also be sent to Jaime Toney, SJC Purchasing Department via email at jtoney@sjcfl.us, phone (904) 209-0158 or fax at (904) 209-0159.

Any bidder, proposer or person substantially and adversely affected by an intended decision or by an term, condition, procedure or specification with respect to any bid, invitation, solicitation of proposals or requests for qualifications, shall file with the Purchasing Department for St. Johns County, a written notice of intent to protest no later than 72 hours (excluding Saturdays, Sundays and legal holidays for employees of St. Johns County) after the posting either electronically or by other means of the notice of intended action, not of intended award, bid tabulation, publication by posting electronically or by other means of a procedure, specification, term or condition which the person intends to protest, or the right to protest such matter shall be waived. The protest procedures may be obtained from the Purchasing Department and are included in the County's Purchasing Manual. All of the terms and conditions of the County Purchasing Manual are incorporated by reference and are fully binding. St. Johns County reserves the right to accept or reject any or all bids/proposals, waive minor formalities, and to award the bid/proposal that best serves the interests of St. Johns County. St. Johns County also reserves the right to award the base bid and any alternate bids in any combination that best suits the needs of the County.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA
CHERYL STRICKLAND, CLERK

BY: _____
Deputy Clerk

FRONT END BID DOCUMENTS

INSTRUCTION TO BIDDERS

OWNER: The Board of County Commissioners of St. Johns County, Florida

PROJECT: BID NO.: 10-19; Anastasia Island WWTP Aquabelt Rehabilitation

DEFINITIONS

Bidding Documents include the Advertisement/Notice to Bidders, Front End Bid Documents, Standard Agreement, Public Construction Bond, Specifications and Plans including any Addenda issued prior to receipt of Bids.

All definitions set forth in the General Conditions of the Contract for Construction or in other Contract Documents are applicable to the Bidding Documents.

Addenda are written or graphic instruments issued by the Purchasing Department prior to the time and date for receiving Bids that modify or interpret the Bidding Documents by addition, deletion, clarification, or corrections.

Architect is an assignee of the Owner and is responsible for all field inspections (excluding code compliance) and assurance that the Contractor is conforming to the terms of the Contract. Code compliance is performed by the local building jurisdiction.

Base Bid is complete and properly signed proposal to do the work, or designated portion thereof, for the sums stipulated therein supported by data called for by the Bidding Documents.

A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials or services as described in the contract documents and shall include all labor, materials, equipment and any other item/s essential to accomplish the scope of work of the Unit Price.

A Bidder is one who submits a Bid as a prime contractor to the Owner for the work described in the proposed Contract Documents.

BIDDER'S REPRESENTATION

Each Bidder, by marking his Bid, represents that:

He has read and understands the Bidding and Contract Documents and his Bid is made in accordance herewith:

- A. He has visited the Site and has familiarized himself with the local conditions under which the Work is to be performed.
- B. His Bid is based upon the materials, systems and equipment described in the Bidding Documents without exceptions.

BIDDING DOCUMENTS

Copies: Bidding documents may be obtained from www.demandstar.com or SJC Purchasing Department in the number and for the purchase sum if any as stated in the Advertisement or Invitation - Notice to Bidders.

Complete sets of Bidding Documents shall be used in preparing the Bid Proposal. St. Johns County shall not assume

any responsibility for errors or misinterpretations resulting from the use of complete or incomplete sets of Bidding Documents.

The Owner or Architect, in making copies of the Bidding Documents available on the above terms, do so only for the purpose of obtaining bids on the Work and do not confer a license or grant for any other use.

INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS

Bidders shall promptly notify the Architect of any ambiguity, inconsistency, or error which they may discover upon examination of the Bidding Documents or of the site and local conditions.

Bidders requiring clarification of interpretation of the Bidding Documents shall make a written request to the Owner, to reach him at least nine (9) days prior to the date for receipt of Bids.

An interpretation, correction, or change of the bidding Documents will be made by Addendum. Interpretation, corrections, or changes of the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely upon such interpretation, corrections, and change. No change will be made to the Bidding Documents by the Owner or his Representative **seven (7) days** prior to Bid receiving date, however, the Owner reserves the authority to decrease this time depending on the necessity of such change.

SUBSTITUTIONS

The materials, products and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitution will be considered unless written request for approval has been submitted by the Bidder and has been received by the Project Manager at least fourteen (14) days prior to the date for receipt of Bids. Each such request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute, including drawings, cuts, performance and test data any other information necessary for an evaluation. A statement setting forth any changes in other materials, equipment or work that incorporation of the substitute would require shall be included. The burden of proof of the merit of the proposed substitute is upon the proposer. The project director's approval or disapproval of a proposed substitution shall be final.

If the Project Manager approves any proposed substitution, such approval will be set forth in an Addendum. Bidders shall **not** rely upon approval made in any other manner.

ADDENDA

Addenda will be distributed to all who are known by the entity responsible for distribution of the complete set of Bidding Documents. Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.

Each Bidder shall ascertain prior to submitting his bid that he has received all Addenda issued, and he **shall** acknowledge their receipt in the space provided in the Bid Proposal Form and attach a fully acknowledged copy of each addendum issued for the applicable bid with this bid proposal. Failure to provide fully acknowledged copies may result in a bid proposal being deemed non-responsive.

FORM AND STYLE OF BIDS

Bids shall be submitted in **TRIPLICATE** (one (1) original and two (2) copies) on forms, provided in this manual. All blanks on the Bid Form shall be filled in by typewriter or manually in ink.

Bid proposals must be placed in an envelope, sealed and placed in a second envelope, plainly marked on the outside addressed to St. Johns County Purchasing Department, with the bidder's return address in top left hand corner and recite: "BID NO.: 10-19 - SEALED BID FOR ANASTASIA ISLAND WWTP AQUABELT REHABILITATION"
See Example Below:

ABC Company, Inc.
123 Aviles Street
St. Augustine, FL 32084

St. Johns County Purchasing Department
2446 Dobbs Road
St. Augustine, FL 32086

BID NO: XX-XX – SEALED BID FOR SAMPLE PROJECT

Where so indicated by the makeup of the Bid Form, sums shall be expressed in both words and figures, and in the case of discrepancy between the two, the amount expressed in words shall govern.

Any interlineation, alteration or erasure must be initialed by the signer of the Bid; failure to do so may cause the Bidder's proposal to be considered non-responsive.

Bidder shall make no stipulation on the Bid Form nor qualify his Bid in any manner, to do so will classify the Bid as being non-responsive.

Each copy of the Bid Proposal shall include the company name, address, telephone number and legal name of Bidder and a statement whether Bidder is sole proprietor, a partnership, a corporation or any other legal entity. Each copy shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further give the state of incorporation and have the corporation seal affixed. A Bid submitted by an agent shall have a current Power of Attorney attached certifying agent's authority to bind the Bidder.

BID SECURITY

Each Bid shall be accompanied by a Bid Security in the required Bid Bond form in the amount of 5% of amount bid, pledging that the Bidder will enter into a contract with the Owner on the terms stated in his Bid and will, if required, furnish bonds as described hereunder covering the faithful performance of the Contract and the payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds to the Owner, if required, the amount of the Bid Security shall be forfeited, not as penalty, but as liquidated damages.

A Bid Security may be in the form of a Bid Bond or certified cashiers check made payable to the Board of County Commissioners of St. Johns County.

If a Bid Bond is submitted, it shall be written in the form of the attached sample, with an acceptable surety, and the Attorney-in-Fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of his Power of Attorney. Acceptable surety companies are defined in "A Instruction to Bidders". The Surety Company

shall be licensed to do business in the State of Florida and shall be listed by the U.S. Treasury Department.

The Owner shall have the right to retain the Bid Security of Bidders until either: (a) the Contract is executed and bonds, if required, have been furnished, or (b) the specified time has elapsed so that Bids may be withdrawn, or (c) all Bids have been rejected.

BID BOND INSTRUCTIONS

Each bidder shall prepare and submit one (1) original and two (2) copies of the required Bid Bond as shown above.

Each bidder shall type or print Bidder's and Surety's names in the same language as in the Advertisement, or Invitation to Bid. The Corporate seal must be affixed. Type or print the name of the Surety on the line provided and affix its corporate seal.

Attach a copy of Surety agent's Power of Attorney, unless the Power of Attorney has been recorded in St. Johns County. If it has been recorded, give the record book and page. If not recorded, the copy of the Power of Attorney must have an original signature of the Secretary or Assistant Secretary of Surety certifying the copy. The Surety's corporate seal must be affixed.

SUBMISSION OF BIDS

All copies of the Bid, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed as required in the "Instruction to Bidders", and shall be identified with the Bid Number, Project Name, the Bidder's Name, and return address, and portion of the project or category of work for which the Bid is submitted. The envelope containing the above Bid Documents shall be enclosed in an outer envelope and identified in the same manner as shown above.

Bidder shall assume full responsibility for timely delivery at location designated for receipts of Bids. Bids shall be deposited at the designated location prior to the time and date for receipt of Bids indicated in the Advertisement/Notice to Bidders, or any time extension thereof made by Addendum. Bids received after the time and date for receipt of Bids will be returned to the sender unopened. Oral, telephonic, telegraphic or electronic Bids are invalid and will not receive consideration.

MODIFICATION OR WITHDRAWAL OF BID

A Bid may not be modified, withdrawn or canceled by the Bidder during the stipulated time period following the time and date designated for the receipt of Bids, and Bidder so agrees in submitting his Bid.

Prior to time and date designated for receipt of Bids, a Bid submitted early may be modified or withdrawn only by notice to the party receiving Bids at the place and prior to the time designated for receipt of Bids.

Such notice shall be in writing over the signature of the Bidder. If by telephone, written confirmation over the signature of Bidder must be mailed and postmarked on or before the date and time set for receipt of Bids; it shall be so worded as not to reveal the amount of the original Bid.

Withdrawn Bids may be resubmitted up to the time designated for the receipt of Bids provided that they are then fully in conformance with these Instructions to Bidders.

Bid Security shall be in the amount of 5 percent (5%) of the Bid as modified or resubmitted.

CONSIDERATION OF BIDS

Opening of Bids: Unless stated otherwise in an Addenda to the Advertisement/Notice to Bidders, the properly identified Bids received on time will be opened publicly as specified in the Advertisement and a tabulation of the bid amounts of the Base Bids and major Alternates, if any, will be made available to Bidders. The Bid Tabulation will be posted on the Purchasing Department bulletin board for 72 hours.

Any bidder, proposer or person substantially and adversely affected by an intended decision or by an term, condition, procedure or specification with respect to any bid, invitation, solicitation of proposals or requests for qualifications, shall file with the Purchasing Department for St. Johns County, a written notice of intent to protest no later than 72 hours (excluding Saturdays, Sundays and legal holidays for employees of St. Johns County) after the posting either electronically or by other means of the notice of intended action, not of intended award, bid tabulation, publication by posting electronically or by other means of a procedure, specification, term or condition which the person intends to protest, or the right to protest such matter shall be waived. The protest procedures may be obtained from the Purchasing Department and are included in the County's Purchasing Manual. All of the terms and conditions of the County Purchasing Manual are incorporated by reference and are fully binding.

Rejection of Bids: The Owner reserves the right to reject any or all Bids and in particular to reject a Bid not accompanied by any required Bid Security or data required by the Bidding Documents or a Bid in any way incomplete or irregular.

Acceptance of Bid (Award): The Owner shall have the right to reject any or all Bids or waive any minor formality or irregularity in any Bid received.

The Owner shall have the right to accept alternates in any order or combination and to determine the low Bidder on the basis of the sum of the Base Bid and/or the Alternates accepted if alternate bids are requested in the Official County Bid Form.

It is the intent of the Owner to award a contract to the lowest responsible Bidder provided the Bid has been submitted in accordance with the requirements of the Bidding Documents, if judged to reasonable, and does not exceed the funds budgeted for the Project.

If the Contract is awarded, it will be awarded within sixty (60) days from the date of the Bid opening, or as designated in the Bid Documents.

QUALIFICATION OF CONTRACTORS

Minimum Qualifications: Bidders must be fully licensed to do business in the State of Florida and must have successfully constructed, as a prime contractor or subcontractor, at least five (5) projects of the type, size, and dollar value of the construction proposed for this project, and must have been in business as a contractor for at least five (5) years. Bidder's must complete **Attachment "E" – License/Certification List** and attach a copy of each license and certificate shown and submit with their Bid Proposal.

Each bidder shall submit with his Bid, **Attachment "F" – List of Successfully Completed Projects**. This list shall

comprise of a minimum of the five (5) required projects, and include: project name, name and address of project owner, date of completion, and name and contact information of project owner. This list of successful projects is subject to verification by the Project Manager. Any firm's Bid that does not include **Attachment "F"** or whose list does not include five (5) verified successful projects, shall be deemed unresponsive to this Bid, and shall not be considered for award.

Bidders to whom award of a contract is under consideration shall submit to the Architect, upon his request, a properly executed Contractor's Qualification Statement of A1A Document A305, unless such a statement has been previously required and submitted as a prerequisite to the issuance of Bidding Documents.

LIST OF SUBCONTRACTORS -

Each Bidder shall submit to Owner a list of Subcontractors and major materials suppliers to be used if awarded the contract. A copy of the form, **Attachment "B" – List of Proposed Sub-Contractors**, is provided in the Bidding Documents. If no Subcontractors or major material suppliers are required, so state there on.

Upon request by the Owner, the successful Bidder shall, within seven (7) days thereafter, submit all data required to establish to the satisfaction of the Owner, the reliability and responsibility of the proposed Subcontractors to furnish and perform the work described in the Sections of the Specifications pertaining to such proposed Subcontractor's respective trades.

Prior to the award of the Contract, the Owner will notify the Bidder in writing if the Owner, after due investigation, has reasonable and substantial objection to any person or organization proposed as a Subcontractor. The Bidder then may, at his option, withdraw his Bid without forfeiture of Bid Security or submit an acceptable substitute at no increase in Bid price. If the Bidder fails to submit an acceptable substitute within seven (7) days of the original notification, the Owner then may, at his option, disqualify the Bidder, at no cost to the Owner.

The Owner reserves the right to disqualify any Contractor, Subcontractor, Vendor, or material supplier due to previously documented project problems, either with performance or quality.

Subcontractors and other persons and organizations proposed by the Bidder and accepted by the Owner, must be used on the work for which they were proposed and accepted and shall not be changed except with the written approval of the Owner and Architect.

PUBLIC CONSTRUCTION BOND

The Contractor shall furnish the required bond, on the form provided by the County, covering the faithful performance of the Contract and the payment of all obligations arising thereunder in full amount of the Contract, with such acceptable sureties, secured through the Bidder's usual sources as may be agreeable to the parties.

SURETY BOND

Acceptable Surety Companies: To be responsible to the Owner as Surety on Bonds, Surety shall comply with the following provisions:

- Surety must be licensed to do business in Florida;
- Surety must have been in business and have a record of successful continuous operations for at least

three (3) years;

- Surety shall not have exposed itself to any loss on any one risk in an amount exceeding twenty percent (20%) of its surplus to policyholders;
- Surety must have fulfilled all of its obligations on all other bonds given to the owner;
- Surety must have good underwriting, economic management, adequate reserves for undisclosed liabilities, net resources for unusual stock and sound investment.

Time of Delivery and Form of Bonds: **The Public Construction Bond must be recorded after the contract is signed by all parties.** The bidder will have three (3) days from receipt of fully executed contract to have the Public Construction Bond recorded. The bidder shall have the Public Construction Bond recorded at the St. Johns County Clerk of Courts office, in St. Augustine, Florida. After the book and page number have been assigned to the bond by the recording person, the Bidder is to obtain from the recording person a certified copy of the recorded bond, and deliver the certified copy to the Owner's Contract Coordinator. No work can commence until the required bond and Insurance Certificates have been delivered to the Owner. Upon receipt of the certified copy of the recorded bond, the Owner may issue a Notice to Proceed. Unless specified in the Bidding Documents, the bonds shall be written in the form of those bound in this Project Manual.

The Bidder shall require the Attorney-in-Fact who executes the required bonds on behalf of the Surety to affix thereto a current certified copy of his Power of Attorney authorizing his firm to act as agent for the Surety to issue the bonds.

FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

Form to be Used: Unless otherwise provided in the Bidding Documents, the Agreement for Work will be written on the St. Johns County Standard Fixed Price Agreement between Owner and Contractor where the basis of payment is a Stipulated Sum.

CONTRACT TIME - LIQUIDATED DAMAGES

The following will be made a part of the Contract:

The Contractor shall have ten (10) days to return Contract originals from the time the Contractor receives a "Notice of Award". St. Johns County will return a "fully executed" Contract to the Contractor no later than seven (7) days after the return of the executed Contract originals (but no later than seventeen (17) days from the Notice of Award).

The Contractor will furnish a recorded original of the Public Construction Bond three (3) business days after receipt of the fully executed Contract (the Public Construction Bond must be recorded after the Contract is fully executed by all parties including the County Clerk). Upon receipt of the recorded Public Construction Bond, the County will issue a Notice to Proceed. If the Contractor fails to meet any of the dates and timeframes set forth in this section, or fails to execute the Contract, or to provide a Public Construction Bond, the County may elect at it's option to consider the Contractor non-responsive and Contract with the next best Bidder.

The work to be performed under this Agreement shall commence within **ten (10)** days of the receipt of all materials necessary to complete the project. The Contractor shall have six to eight consecutive weeks to order and receive all necessary materials to complete this project. Construction of the project shall be substantially complete within five (5) consecutive calendar days from the date of the Notice to Proceed. Final completion shall be attained two (2) consecutive calendar days from the date of substantial completion.

Conditions under which Liquidated Damages are Imposed:

Should the Contractor or, in case of his default, the Surety fail to complete the work within the time stipulated in the contract, or within such extra time as may have been granted by the Owner, the Contractor or, in case of his default, the Surety shall pay to the Owner, not as a penalty but as liquidated damages, the amount so due as determined by the following schedule:

<u>Original Contract Amount</u>	<u>Daily Charge Per Calendar Day</u>
\$50,000 and under	\$ 313.00
Over \$50,000 but less than \$250,000	\$ 580.00
\$250,000 or more but less than \$500,000	\$ 715.00
\$500,000 or more but less than \$2,500,000	\$1,423.00
\$2,500,000 or more but less than \$5,000,000	\$2,121.00
\$5,000,000 or more but less than \$10,000,000	\$3,057.00
\$10,000,000 or more but less than \$15,000,000	\$3,598.00
\$15,000,000 or more but less than \$20,000,000	\$4,544.00
\$20,000,000 and over	\$8,537.00
.	0.00027 of any amount over \$20 Million

INSURANCE

Liability Insurance, Workmen's Compensation, and Vehicle Coverage will be required to be retained in force during the Contract Period. An original insurance certificate, naming the St. Johns County Board of County Commissioners as additionally insured will be provided by the Contractor, prior to issuing "Notice to Proceed."

Insurance Requirements - Standard Contract for Service

The contract price will not exceed \$500,000 and there are no unusual hazards present.

Insurance Requirements

- a) Workers' compensation – to meet statutory limits in compliance with the Workers Compensation Law of Florida. This policy must include Employer Liability with a limit of \$100,000 for each accident, \$500,000 disease policy limit and \$100,000 disease each employee limit.
- b) Commercial general liability – coverage shall provide minimum limits of liability of \$1,000,000 per occurrence, \$2,000,000 Aggregate, for bodily injury and property damage. This shall include coverage for:
 - a. Premises/operations
 - b. Products/complete operations
 - c. Contractual liability
 - d. Independent contractors
- c) Business auto liability – coverage shall provide minimum limits of liability of \$100,000 per occurrence, \$300,000 aggregate for bodily injury and property damage. This shall include coverage for:
 - a. Owned autos
 - b. Hired autos
 - c. Non-owned autos

Special Requirements

- a) Prior to execution of a contract, a certificate of insurance will be provided that shall provide for the following:
 - a. **St. Johns County will be named as additional insured on both the commercial general liability and business auto liability policies.**
 - b. St. Johns County will be given thirty (30) days notice prior to cancellation or modification of any stipulated insurance.
- b) It is the responsibility of the contractor to insure that all subcontractors comply with all insurance requirements.
- c) It should be remembered that these are minimum requirements which are subject to modification in response to high hazard operations.

In the event of unusual circumstances, the County Administrator or his designee may adjust these insurance requirements.

TAXES

Project is subject to Federal Excise and Florida Sales Taxes, which must be included in Bidder's proposal.

FLORIDA TRENCH SAFETY ACT

Bidders shall complete Bid Form Attachment F, Certificate of Compliance with Florida Trench Safety Act, in accordance with the requirements of Chapter 553, Florida Statutes. If trenching is not required for this project, state so thereon. Contractor shall be responsible for compliance with all trenching shoring safety requirements.

END OF SECTION

**OFFICIAL COUNTY BID FORM
WITH ATTACHMENTS**

ST. JOHNS COUNTY, FLORIDA

DATE SUBMITTED: _____

**OFFICIAL COUNTY BID FORM
LUMP SUM BID PROPOSAL**

PROJECT: Anastasia Island WWTP Aquabelt Rehabilitation

TO: THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY,
FLORIDA

BID PROPOSAL OF

Company Name

Address

Telephone No.

Gentlemen: Having become familiar with site conditions of the project, and having carefully examined the Bidding requirements, including the Advertisement, Instructions to Bidders, and Bid Documents, including the Specifications, entitled for Anastasia Island WWTP Aquabelt Rehabilitation in St. Johns County, Florida. The undersigned proposes to furnish all materials, labor and equipment, supervision and all other requirements necessary to comply with the Contract Documents for the following base bids quoted in this Bid Proposal summarized as follows:

TOTAL LUMP SUM BID:

FOR: Anastasia Island WWTP Aquabelt Rehabilitation as per plans and specifications.

\$ _____
Total Lump Sum Price (Numerical)

_____/100 Dollars
(Amount written or typed in words)

Bidder will enter written (in words) and numerically by the Lump Sum Price in the space provided above. In the event of a conflict, the written Lump Sum Price shall be considered as the Bidder correct bid.

Time of Substantial Completion is to be 5 consecutive calendar days from receipt of Notice to Proceed from Owner.

Note: The listing order of bid items reflects a construction sequence in general terms for bidding purposes only and is not a specific construction schedule.

OFFICIAL COUNTY BID FORM
Unit Price List
Anastasia Island WWTP Aquabelt Rehabilitation

Submitting Firm: _____

Each firm shall submit the Unit Price for each of the following pieces of equipment required. These prices are to be included in each firm's submitted Bid Proposal. Each piece of equipment must meet the specifications required within the Bid Documents.

Name/Description	Price Per Unit
9/16" Stub Shaft Roller	
4" Guide Roller	
8" Plain Roller	
10" Drive Roller	
New Ashbrook/Dodge 2 9/16" Internal Bearing Components:	
-Triple Labyrinth Seal	
-Bearing w/ steel bronzed machined cage	
-Taper lock nut assembly	
- Spacer	
-Splashguard	
Steering & Tensioning Cylinder	
Hydraulic Motor	
Poly Grid Wear Bar	

During the preparation of the Bid, the following addenda, if any, were received:

No.: _____ Date Received:

No.: _____ Date Received:

No.: _____ Date Received:

We, the undersigned, hereby declare that no person or persons, firm or corporation, other than the undersigned are interested, in this proposal, as principals, and that this proposal is made without collusion with any person, firm or corporation, and we have carefully and to our satisfaction examined the Project Specifications and form of Contract and Public Construction Bonds, together with the Plans.

We have made a full examination of the location of the proposed work and the sources of supply of materials, and we hereby agree to furnish all necessary labor, and equipment and materials, fully understanding that any quantities shown therewith are approximate only, and that we will fully complete all requirements therein as prepared by Architect, within the same time limit specified in the Contract Documents for the following total sum price as indicated above.

If the Undersigned is notified of the acceptance of this Bid Proposal within sixty (60) calendar days from the time set for the opening of Bids, the Undersigned further agrees, to execute a contract for the above work within ten (10) days after notice that his Bid has been accepted for the above stated compensation in the form of a Contract presented by the Owner.

The Undersigned agrees, if awarded the Contract, to substantially complete all work within five (5) consecutive calendar days from receipt of all materials and equipment required for this project. Undersigned further agrees that from the compensation otherwise to be paid, the Owner may retain the liquidated damages as provided in the Contract, which sum is agreed upon as the proper measure of liquidated damages which the Owner will sustain each day by the failure of the Undersigned to complete the work in the time stipulated, and this sum is not to be construed as penalty.

The Undersigned further agrees that security in the form of a Bid Bond, certified or cashier's check in the amount of not less than five percent (5%) total Bid Price, payable to the Owner, accompanies this Bid; that the amount is not to be construed as a penalty, but as liquidated damages which said Owner will sustain by failure of the Undersigned to execute and deliver the Contract and Bond within ten (10) days of the written notification of the Award of the Contract to him; thereupon, the security shall become the property of the Owner, but if this Bid is not accepted within sixty (60) days of the time set for the submission of Bids, or if the Undersigned delivers the executed Contract and Public Construction Bond upon receipt, the Security shall be returned to the Bidder within seven (7) working days.

CORPORATE/COMPANY

Company Name: _____(Seal)

By: _____
(Name typed or printed)

By: _____
(Name typed or printed)

Address: _____

Telephone No.: (____) _____ Fax No.: (____) _____

Federal I.D. Tax Number:

INDIVIDUAL

Name: _____
(Signature) (Name typed or printed) (Title)

Address: _____

Telephone No.: (____) _____

Federal I.D. Tax Number:

Bid Proposal Attachments: "A" - Affidavit
"B" - List of Proposed Subcontractors
"C" - Certificate as to Corporate Principal
"D" - Certificate of Compliance with Florida Trench Safety Act
"E" - License/Certification List
"F" - List of Successfully Completed Projects
Bid Bond
Fully Acknowledged Addenda Applicable to this bid

Attachments "A", "C", "D", "E", "F" and Bid Bond must be completed and attached to Bidder's bid proposal along with a fully acknowledged copy of each Addendum applicable to this Bid.

ATTACHMENT A

ST. JOHNS COUNTY, BOARD OF COUNTY COMMISSIONERS AFFIDAVIT

TO: ST. JOHNS COUNTY, BOARD OF COUNTY COMMISSIONERS, ST. JOHNS COUNTY,
ST. AUGUSTINE, FLORIDA.

At the time the proposal is submitted, the Bidder shall attach to his Bid a sworn statement.

This sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association, or corporation submitting the proposal, and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF FLORIDA, COUNTY OF ST. JOHNS

Before me, the Undersigned authority, personally appeared _____ who being duly sworn, deposes and says he is _____ (Title) of the firm of _____ Bidder submitting the attached proposal for the services covered by the bid documents for Bid No: 10-19, for Anastasia Island WWTP Aquabelt Rehabilitation, in St. Johns County, Florida.

The affiant further states that no more that one proposal for the above-referenced project will be submitted from the individual, his firm or corporation under the same or different name, and that such Bidder has no financial interest in the firm of another bidder for the same work, that he, his firm, association or corporation has neither directly, nor indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this firm’s Bid on the above-described project. Furthermore, neither the firm nor any of its officers are barred from participating in public contract lettings in the State of Florida or any other state.

(Bidder)

By: _____

(Title)

Sworn and subscribed to me this _____ day
of _____, 20____.

Notary Public:

Signature

Printed

My commission Expires:_____

BIDDER ON ALL COUNTY PROJECTS MUST EXECUTE AND ATTACH THIS AFFADAVIT TO EACH BID.

ATTACHMENT B
LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to approval of Owner. The following are subcontractors proposed to be used in connection with this work:

[illegible]

ATTACHMENT C
CERTIFICATES AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the Secretary of the Corporation named as Principal in the attached bond; that _____ who signed the said bond on behalf of the Principal, was then _____ of said Corporation; that I know his signature, and his signature hereto is genuine; and that said bond was duly signed, sealed, and attested for and in behalf of said Corporation by authority of it's governing body.

Secretary

Corporate Seal

(STATE OF FLORIDA
COUNTY OF ST. JOHNS)

Before me, a Notary Public duly commissioned, qualified and acting, personally appeared _____ to me well known, who being by me first duly sworn upon oath, says that he is the Attorney-In-Fact, for the _____ and that he has been authorized by _____ to execute the foregoing bond on behalf of the surety named therein in favor of St. Johns County, Florida.

Subscribed and sworn to me this _____ day of _____, 20____, A.D.

NOTARY PUBLIC
State of Florida-at-large

My Commission Expires:

(Attach Power of Attorney to original Bid Bond and Financial Statement of Surety Company)

ATTACHMENT “D”

CERTIFICATE OF COMPLIANCE
WITH FLORIDA TRENCH SAFETY ACT

Bidder acknowledges that he is solely responsible for complying with the Florida Trench Safety Act (ACT) and Occupational Safety and Health Administrations excavation safety standard 29 CFR 1926.650 (Subpart P as amended) and the St. Johns County Trenching and Excavation Safety Program. If there is a conflict between the ACT and the St. Johns County Trenching and Excavation Safety Program, the more stringent requirement would apply. 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 and the Occupational Safety and Health Administrations excavation safety standard.

By: _____

Bidder

Date

Authorized Signature

ATTACHMENT “E”

License/Certification List

In the space below, the Bidder shall list all **current** licenses and certifications held.

The bidder shall attach a copy of each current license or certification listed below to this form.

License Name	License #	Issuing Agency	Expiration Date

Attachment "F"
List of Successfully Completed Projects

In the space below, each bidder shall provide information for five (5) successfully completed projects.

1.) Project Name: _____ Date of Completion: _____
Project Owner Name & Address: _____

Project Owner Phone & Fax: _____
Project Owner email: _____
Project Description: _____

2.) Project Name: _____ Date of Completion: _____
Project Owner Name & Address: _____

Project Owner Phone & Fax: _____
Project Owner email: _____
Project Description: _____

3.) Project Name: _____ Date of Completion: _____
Project Owner Name & Address: _____

Project Owner Phone & Fax: _____
Project Owner email: _____
Project Description: _____

4.) Project Name: _____ Date of Completion: _____
Project Owner Name & Address: _____

Project Owner Phone & Fax: _____
Project Owner email: _____
Project Description: _____

5.) Project Name: _____ Date of Completion: _____
Project Owner Name & Address: _____

Project Owner Phone & Fax: _____
Project Owner email: _____
Project Description: _____

* A minimum of five (5) successfully completed projects from each bidder is required in order to be considered for this contract.

BID BOND

STATE OF FLORIDA
COUNTY OF ST. JOHNS

KNOW ALL MEN BY THESE PRESENTS, that _____ as Principal, and _____ as Surety, are held and firmly bound unto St. Johns County, Florida, in the penal sum of _____ Dollars (\$ _____) lawful money of the United States, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATIONS IS SUCH, that whereas the Principal has submitted the accompanying Bid, dated _____, 20____.

For
Bid No: 10-19; Anastasia Island WWTP Aquabelt Rehabilitation
St. Johns County, Florida

NOW THEREFORE,

- (a) If the Principal shall not withdraw said Bid within sixty (60) days after Bid Award date, and shall within ten (10) days after prescribed forms are presented to him for signature, enter into a written Contract with the County in accordance with the Bid as accepted, and give Bond with good and sufficient Surety or Sureties, as may be required, for the faithful performance and proper fulfillment of such Contract, then the above obligations shall be void and of no effect, otherwise to remain in full force and virtue.
- (b) In the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such Bond within the time specified, if the Principal shall pay the County the difference between the amount specified, in said Bid and the amount for which the County may procure the required Work and supplies, if the latter amount be in excess of the former, then the above obligations shall be void and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals, this _____ day of _____ A.D., 20____, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WITNESSES:

(If Sole Ownership or Partnership two (2) Witnesses required).
(If Corporation, Secretary only will attest and affix seal).

WITNESSES:

PRINCIPAL:

NAME OF FIRM:

SIGNATURE OF AUTHORIZED
OFFICER (AFFIX SEAL)

TITLE

BUSINESS ADDRESS

CITY

STATE

WITNESS:

SURETY:

CORPORATE SURETY

ATTORNEY-IN-FACT (AFFIX
SEAL)

BUSINESS ADDRESS

CITY

STATE

NAME OF LOCAL INSURANCE
AGENCY

END OF SECTION

SPECIFICATIONS

MINIMUM SPECIFICATIONS
BOARD OF COUNTY COMMISSIONERS
ST. JOHNS COUNTY, FLORIDA

FOR: Aquabelt Size 1 (1.0) Meter, Type 85

LOCATION: **Anastasia Island WWTP** – St. Johns County Utility Department

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Division 1: General Requirements

1.01 Scope of Work

This project is a turnkey project that will include the following:

- a. All parts, handling, arranging, scheduling and shipping services will be paid by the Contractor.
- b. All work shall be coordinated with the Plant Superintendent prior to commencing.
- c. All parts shall be new, of current original equipment manufacturer only (OEM).
- d. All labor to perform the site modifications and repairs shall be by current OEM qualified factory trained personnel experienced in the disassembly/reassembly of the Aquabelt.

The Contractor shall be responsible for the off-loading of parts at the job site and placing crates in work area adjacent to the machine where work will be performed. The Contractor shall dispose of all unused machine components removed from the Aquabelt. All local motor disconnect devices and/or local motor lockouts that may be required by a governing electrical code shall be provided and installed by others.

Bidder shall be responsible for the removal of the existing Aquabelt roller bearing assemblies and installation of new Aquabelt roller bearing assemblies and replacement components once parts arrive on site. Project shall be completed in one trip. The SJC Utility Department has estimated a down time of 5-7 days.

Aquabelt Reconditioning: Parts & Assembly

Recondition (1) one Aquabelt Type 85 Size 1 (1.0 meter). The list below details the site labor, parts and service to be provided:

- (1) New set of two (2) 9/16" stub shaft rollers consisting of the following:
 - (1) 4" Guide roller
 - (2) 8" Plain rollers (steering/tensioning)
 - (1) 10" Drive roller

-Drive roller shall be recoated with ¼" Buna-N rubber. All other rollers shall be coated with 30 mils of thermoplastic nylon.
- (8) New Ashbrook/Dodge 2 9/16" internal bearing components. New Ashbrook/Dodge bearing components consist of triple labyrinth seal, bearing with steel bronze machined cage, taper lock nut assembly, spacers and splashguards. Bearing Housings shall be coated with 8-10 mils thermoplastic nylon coating. Housing shall have a triple labyrinth seal for superior sealing against contaminants. Greasing intervals shall be every 6 months.
- (2) Steering & tensioning cylinders.
 - Replace hydraulic cylinders with new fiberglass steering and tensioning cylinders.
 - New hydraulic cylinders shall have fiberglass outer casing, laminated phenolic heads, stainless steel tie rods and 316 stainless steel piston rods.
- (1) Change oil in belt drive gearbox.
- (1) Change oil and filter on hydraulic power pack.
- (1) Replace electrical switch belt misalignment.
- (1) Lot Install new poly grid wear bars (UHMWPE) on the upper grid weldments.
- (1) Lot Install new rubber seals on washboxes and gravity section sludge restrainers.
- (1) New hydraulic motor.
- (1) Site labor for disassembly/reassembly.
- (1) Inbound freight charges.

Spare Parts Lead time (normal wear items) (1)-Week, Stock - Houston TX

Large Item Replacement Parts Lead time (i.e.) (Roller(s), Drive Motors 6-8 Weeks – Houston TX

1.02 Workmanship and Design

All new original equipment manufacturer parts shall be engineered for long, continuous and uninterrupted service. Provisions shall be made for easy lubrications, adjustment, or replacement of all parts. Corresponding parts of multiple units shall be interchangeable.

1.03 Quality Assurance

Consideration shall be given only to bidders who can demonstrate that they comply with all requirements of the specifications. Each bidder shall be a firm who is regularly engaged in the design, fabrication, assembly, testing, start-up and servicing of the Aquabelt.

To ensure that the highest standards are met, each Bidder shall be certified to ISO 9001:2000 quality standards. Each Bidder shall submit a copy of their certification with their bid.

If a Bidder does not have a formal quality system in place, or documentation to prove so, a performance/maintenance bond in the amount of 100% of the installed price including equipment, labor, piping, and wiring associated with the system under these specifications) shall be submitted upon award of a Contract. The bond should be in force for a minimum of five (5) years from the date of first beneficial use of the equipment. The five (5) year minimum is to cover all warranties listed under these specifications.

1.04 Patents

Each Bidder warrants that the machine components supplied will not infringe any U.S. or foreign patents or patents pending. In the event of any claim of infringement, the Bidder shall defend and indemnify the Owner free from any liabilities associated with the use of the patented equipment or process.

Each Bidder hereby grants to the Owner, in perpetuity, a paid-up license to use any inventions covered by patent or patents pending, owned, or controlled by the bidder in the operation of the facility being constructed in conjunction with the equipment supplied under these Bid Documents, but without the right to grant sublicenses.

Division 2: Mechanical Requirements

2.01 New Rollers

All rollers shall be replaced with the latest original equipment manufacturer (OEM) forged-end shaft type construction. A total of four (4) new rollers shall be provided. Solid roller shafts shall have a minimum diameter of 3.25 inches inside the roller and machined to a minimum diameter of 2.5625 inches into and through the support bearing. Minimum stock wall thickness shall be ½ inch. The forged-end plate shall have a minimum wall thickness of ¾ inch.

All rollers shall be designed to have a maximum deflection of 0.04 inches at their center and a minimum yield stress safety factor of 6.2 when under maximum load. Maximum load shall be based on the summation of forces applied to the roller from roller mass forces, and belt tension forces. Tension forces shall include a belt tension of fifty (50) P.L.I., which is the equivalent of two hundred (200) pounds per inch of belt width in the shear pressure section.

Each Bidder shall submit certified calculations by a licensed Professional Engineer showing that the maximum roller deflection is in compliance with these specifications.

Rollers materials and coatings shall be as specified herein. Rollers shall be coated up to the point of insertion into the bearing block. Other types of protective coatings shall not be acceptable.

The heat setting thermoplastic nylon (Rilsan) coating shall be applied by means of fluidized bed process to ensure uniform

coating thickness. Spray-on coating method shall not be acceptable. The nylon coating shall have the following properties:

Coefficient of Friction:	0.10 – 0.30
Elongation (ASTM D638):	15%
Hardness, Shore D, (ASTM D2240):	77
Impact, RT. & 45 F, direct pass, (ASTM D2794):	160 in. lbs.
Melting point, (ASTM D789):	370 degrees F
Rockwell Hardness, R Scale, 20 Degrees C:	06
Scratch Resistance, Clemen Apparatus: (0.44mm thickness)	59N
Tensile strength, psi, (ASTM D638):	6000

Buna-N rubber coating shall have the following properties:

Tensile strength, (ASTM D412):	2500 psi
Tear strength, die C, (ASTM D624):	360 psi
Elongation at break, (ASTM D412):	90%
Hardness, Shore A, (ASTM D676):	90

2.02 New Bearing Housing Assemblies

All new rollers shall have new bearing assemblies, supported by grease-able type, high capacity “E” design roller bearings, equipped with a brass retainer, in sealed, splash-proof, horizontal split case pillow block housings. The bearings shall be attached to the shaft with a tapered adapter sleeve and stainless steel locknut assembly. A total of eight (8) new bearing housings with all new internal bearings, seals, spacers and adapter sleeves will be used for this project.

Bearings supporting the steering rollers shall be non-self aligning cylindrical roller bearings in pivot mounted pillow block housings. All other rollers shall be supported by self aligning spherical roller bearings mounted in fixed pillow block housings.

All bearings shall have a minimum L10 bearing life at 500,000 hours, calculated by using the ANSI/AFBMA, Std 11-1978, standard with 1.15 capacity modification factor per ISO recommendation. The L10 life shall be based on the summation of forces applied to the bearings from roller mass forces and belt tension on the rollers. The belt tension forces exerted on the pressure zone rollers shall include a minimum load of two hundred (200) pounds per lineal inch of belt width, which equates to a belt tension of fifty (50) PLI. Certified calculations, based on the AFBMA/ISO capacity formula, showing that all bearings comply with the specified requirements for minimum L10 bearing life, at maximum loadings, shall be submitted to the Owner upon request.

Bearing housings shall be Class 30 cast iron with four (4) mounting bolts and four (4) cap bolts. The outer side of the housing shall be solid, without end caps or filler plugs. The housings shall be designed with an integrally cast water trough which, when shrouded by a shaft mounted water flinger, shall divert water from the bearing seal area. The housings shall be cleaned, iron phosphated, and coated as specified per Section 2.01. All bearing housing assemblies shall be pre-mounted on the new rollers at the factory.

The bearing seal in the pillow block housing shall be of nonmetallic construction with a carrier/flinger which rotates with the roller shaft. A static sealing arrangement between the carrier/flinger and the shaft shall be a triple rubber seal, constructed in a manner that prevents relative rotation between the seal and the shaft. A dynamic sealing arrangement between the carrier/flinger and the bearing housing shall consist of a primary dynamic contact seal of ozone resistant rubber which shall seal by rotational contact with a machined housing surface. A secondary dynamic seal shall be a labyrinth seal between the carrier/flinger and the bearing housing which utilizes a nonmetallic retaining ring to hold the seal assembly in position within the housing.

Bearing lubrication shall be performed through a monel or type 316 stainless steel button head grease fitting mounted on the bearing housing. All bearings shall be outboard (externally mounted) and shall be grease-able while the unit is in operation. Lubrication shall not be required more often than once every six (6) months.

2.03 Hydraulic Cylinders

The existing hydraulic cylinders shall be replaced with the latest OEM fiberglass steering and tensioning cylinders. New hydraulic cylinders shall have fiberglass outer casing, laminated phenolic heads, stainless steel tie rods and 316 stainless steel piston rods. Operating pressure of fiberglass cylinders shall be rated at 750 psi.

2.04 Electrical Switch

The Contractor shall install a new belt alignment switch.

2.05 Belt Drive Maintenance

The existing belt drive gear box shall have the oil changed per OEM recommendations.

2.06 Poly Wear Bars/Rubber Seal

New poly wear bears (ultra-high molecular weight polyethylene) shall be installed on the gravity grid weldments.

New rubber seal material shall be installed on the washboxes and on the sludge restrainers in the gravity section.

2.07 Hydraulic Power Unit Maintenance

The existing free-standing twenty (20) gallon hydraulic power unit shall have the hydraulic fluid and filter changed meeting OEM recommendations. The existing hydraulic motor shall be replaced with a new motor that meets the original design specifications.

The pump motor shall be 1 ½ hp and shall not exceed a noise level of 70 DBA. The motor shall be TEFC 1,200 RPM, NEMA B design with a "P" base for mounting to the hydraulic unit.

2.08 Dewatering Belt

The Aquabelt shall be supplied with a new dewatering belt. This belt shall be fabricated of monofilament polyester and shall have 316 Stainless Steel seams. The mesh design shall be selected for optimum dewatering of the sludge to be processed. The belt shall be Ashbrook Armordillo style 8065 or equal.

Belt selection shall be based on the manufacturers experience obtained from testing the sludge during start-up of the belt filter press(es) and at other installations dewatering similar sludges with similar polyelectrolyte conditioning chemicals.

The belt and connecting seam shall be designed for a minimum tensile strength equal to five (5) times the normal maximum dynamic tension to which the belt shall be subjected. The seam shall be designed to fail before the belt.

The belt shall have a width as hereinbefore specified and shall have a minimum life warranty of 2,000 hours operation at the rated design conditions. The manufacturer shall prorate the charge for replacement belts based on the total number of hours of operation since the belt filter press was placed into useful service.

The belt shall be designed for ease of replacement with minimum belt filter down time. Belt replacement shall be such that disassembly of the equipment is not required.

Division 3: Warranty

Ashbrook will warrant, unless otherwise indicated, the new parts, of its own manufacture, for a period of (1) one year from date of delivery. Ashbrook's obligation under this warranty being limited to repairing or replacing, at its option, any part found to its satisfaction to be so defective, provided that such part is, upon request, returned to Ashbrook's factory, freight prepaid. This warranty does not cover parts damaged by decomposition from chemical reaction or wear caused by abrasive materials, nor does it cover damage resulting from misuse, accident, neglect, or from improper operation, maintenance, modification or adjustment.

The Contractor shall warrant that the Aquabelt shall be free from defects in material and workmanship for a period of one (1) year from the date of recommissioning equipment.

The Contractor shall warrant the new roller for a period of three (3) years from the date of delivery. The warranty shall include all parts from repairing or replacing any roller or roller coating that fails during the warranty period.

The Contractor shall warrant the complete bearing assembly, as specified herein, for a period of five (5) years from the date of delivery. The warranty shall include all parts for repairing or replacing any bearing assembly part that fails during the warranty period.

Terms and Conditions:

Shipment of parts to recondition the Aquabelt can be made within 6-8 weeks after award of Contract. Invoice(s) shall be submitted after receipt of parts on site and/or after completion of site work. **Ashbrook's "Standard Terms and Conditions" apply in their entirety.**