



**CITY OF ST. AUGUSTINE BEACH
CITY COMMISSION**

BID NO: 23-07

**CITYWIDE PIPE AND MANHOLE LINING, RENEWAL &
REHABILITATION SERVICES**

**BID DOCUMENTS
PROJECT SPECIFICATIONS**

**City of St. Augustine Beach
2200 A1A S
St. Augustine FL 32080
904-471-2122**

FINAL: 10/11/2023

BID NO: 23-07; CITYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES

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INSTRUCTION TO BIDDERS

OWNER: The City Commission of the City of St. Augustine Beach, Florida (“City”)

PROJECT: BID NO.: 23-07; CITYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES

DEFINITIONS

Whenever the following terms are utilized in the Bid Documents or Contract Documents, they shall have the following meaning:

Addendum (Addenda) Written or graphic instruments issued by the City prior to the time and date for receiving Bids that modify or interpret the Bid Documents by addition, deletion, clarification, or corrections.

Base Bid The portion of a submitted Bid that entails all specified aspects of the Work not otherwise separated into Alternates.

Bid A pricing proposal submitted to the City in response to the City’s Invitation for Bids.

Bid Bond A good faith monetary commitment, usually five percent (5%) of the bid price, submitted with a Bid, which a bidder or surety forfeits to the City if the bidder refuses, or is unable to enter into a contract, or furnish the required bonds as provided in the Bid Documents.

Bidder A firm or individual who submits a Bid to the Owner for the work specified in the Bid Documents.

Bid Documents All documents pertaining to a Bid that provide the requirements, restrictions, instructions, specifications of the Work required by the Owner to be completed. The Bid Documents include but are not limited to the Advertisement/Notice to Bidders, Front End Bid Documents, Exhibits, Terms and Conditions, Specifications and Plans including any Addenda issued prior to receipt of Bids.

Contract An agreement between two or more parties, legally binding and enforceable, to perform a specific act or acts or exchange goods for consideration. A purchase order becomes a contract when accepted by a vendor. A unilateral contract is one in which only one party promises performance. A bilateral contract is one in which both parties promise performance.

Contractor An individual or firm having a contract to provide goods, service or construction for a specified price

City City of St. Augustine Beach, a political subdivision of the State of Florida (F.S. 217.73)

Experience Modification Rate (EMR) Number used by insurance companies to gauge both past cost of injuries and future chances of risk.

Invitation for Bids (Formal or Sealed) A request for firm prices by Advertised Legal Notice. Prices are submitted in sealed envelopes and in conformance with a prescribed format, all of which are opened in public on an appointed hour and date as advertised.

Responsible Bidder A Bidder capable of performing in all respects to fulfill the contract requirements. This includes having the ability to perform, the experience, reliability, capacity, credit, facilities and equipment to meet the contractual obligation.

Responsive Bid A bid, submitted by a Responsible Bidder conforming in all material respects to the Bid Documents.

Specifications A clear, complete and accurate statement of the physical, functional or technical requirements descriptive of an item and if applicable, the procedure to be followed to determine if the requirements are met.

Subcontractor A separate, third party that contracts with a Contractor to perform all or any part of the Contractor's obligations under an awarded Contract.

Unit Price An amount stated in the Bid as a price per unit of measurement for materials or services as specified in the Bid Documents, which shall include all labor, materials, equipment and any other item/s essential to accomplish the scope of work associated with the Unit Price.

BIDDER'S REPRESENTATION

Each Bidder, by marking their Bid, represents that they have read and understand the Bid Documents and the submitted Bid is made in accordance herewith: Bidder has visited the Site and is familiar with the local conditions under which the Work is to be performed; and the Bid is based upon the materials, systems and equipment described in the Bid Documents without exceptions.

BID DOCUMENTS

Bid Documents may be obtained from www.demandstar.com or City of St. Augustine Beach. Complete sets of Bid Documents shall be used in preparing the Bid Proposal. City of St. Augustine Beach shall not assume any responsibility for errors or misinterpretations resulting from the use of complete or incomplete sets of Bid Documents. The Owner, in making copies of the Bid 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 BID DOCUMENTS

Suppliers shall promptly notify the Owner of any ambiguity, inconsistency, or error which they may discover upon examination of the Bid Documents or of the site and local conditions. Suppliers requiring clarification of interpretation of the Bid Documents shall make a written request to the Owner, to reach him/her at least **seven (7) days** prior to the date for receipt of Bids.

An interpretation, correction, or change of the Bid Documents will be made by Addendum. Interpretation, corrections, or changes of the Bid 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 Bid Documents by the Owner or its Representative less than **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 Bid Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitution will be considered unless a written request for approval has been submitted by the Bidder and has been received by the Owner at least **fourteen (14) calendar days** prior to the date for receipt of Bids. Any proposed substitutions included in submitted Bids, which have not received approval in accordance with this section of the Bid Documents shall not receive consideration and shall be determined to be non-responsive to the requirements of the Bid Documents.

Each such request shall meet the requirements of the Bid Documents and 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 test data, and any other information necessary for an evaluation of the proposed substitution. 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 Bidder. The Project Manager or Department Head shall review any and all proposed substitutions and determine their acceptability. The Project Manager or Department Head's approval or disapproval of a proposed substitution shall be final.

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

DESIGNATED POINT OF CONTACT

The City's Designated Point of Contact for this Bid is Jason D. Sparks, P.E., Engineering Director, City of St. Augustine Beach. Any and all questions and/or inquiries shall be directed to Mr. Sparks, *in writing*, via email to Mr. Sparks at jsparks@cityofsab.org. In the event the Designated Point of Contact provided above is absent or otherwise unavailable for more than three (3) business days, firms may contact Ken Gatchell, Public Works Director at kgatchell@cityofsab.org.

Bidders shall not contact, lobby, or otherwise communicate with any City employee, including any member of the City Commission, other than the above referenced individual from the point of advertisement of the Bid until

contract(s) are executed by all parties, Per City Purchasing Policy. According to City policy, any such communication shall disqualify the vendor, contractor, or consultant from responding to the subject invitation to bid, request for quote, request for proposal, invitation to negotiate, or request for qualifications. The City of St. Augustine Beach 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 City of St. Augustine Beach. The City of St. Augustine Beach also reserves the right to award the base bid and any alternate bids in any combination that best suits the needs of the City.

QUESTIONS

Any and all questions related to this solicitation shall be directed, *in writing*, to the County's Designated Point of Contact as provided above, by or before **four o'clock (4:00PM EST / EDST) on Thursday, October 26, 2023**, so that any necessary addenda may be issued in a timely manner. Any questions received after this deadline will not be addressed or clarified by the City, unless it is determined to be in the best interest of the City to do so. The City reserves the right to extend the deadline for bid submission in order to clarify or answer questions as necessary to serve the best interest of the City.

ADDENDA

Any and all clarifications, answers to questions, or changes to the bid documents shall be provided through a City issued Addendum, posted on www.demandstar.com alongside the Bid Documents. Any clarifications, answers, or changes provided in any manner other than a formally issued addendum, are to be considered "unofficial" and shall not bind the City to any requirements, terms or conditions not stated herein.

The City shall make every possible, good faith effort to issue any and all addenda no later than seven (7) days prior to the due date for proposals. Any addenda issued after this date shall be for material, necessary clarifications to the Request for Qualifications.

Each Bidder is responsible for incorporating any and all issued Addenda into their submitted Bid. Bidders shall acknowledge receipt of all issued addenda in the space provided in the Official City Bid Form, and include a signed copy of each issued addendum in the submitted Bid. Failure to acknowledge all issued addenda may result in a Bid being deemed non-responsive to the requirements of the Bid Documents.

BID SUBMITTAL REQUIREMENTS

Bidders shall submit **one (1) original hard copy** on the required forms provided herein to and received by the City of St. Augustine by or before **ten o'clock (10:00AM EST / EDST) on Thursday, November 9, 2023**. All blanks on the Bid Form shall be filled in by typewriter or manually in blue or black ink. Bidders shall not include the Front End Bid Documents with their Bid. Bidders shall complete, sign and submit, at a minimum, the Official County Bid Forms, all required Attachments, and Addenda as provided herein.

Bids must be placed in a sealed envelope or container, addressed to St. Johns County Purchasing Division, and plainly marked with the Bidder's return address and "**Bid No: 23-07: Citywide Pipe and Manhole Lining, Renewal & Rehabilitation Services**"

See Example Below:

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

ATTN: City Clerk
City of St. Augustine Beach
2200 A1A S
St. Augustine, FL 32080
BID NO.: XX-XX – SEALED BID FOR SAMPLE PROJECT

At the end of this document, a sealed Bid mailing label is provided for convenience. Bidders shall affix the provided label to the outside of the sealed envelope/container to submit their Bid.

Bidder shall assume full responsibility for timely delivery at the 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, 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.

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 interlineations, 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.

A Delegation of Authority must be submitted for any representative signing a submitted bid proposal, who is not a principal, officer, or owner of the bidding company.

A Bid submitted by an agent shall have a current Power of Attorney attached certifying agent's authority to bind the Bidder.

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. The Bid 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.

Bids may also be submitted via www.demandstar.com. Proposals received by the City after the stipulated deadline shall not be considered and will be returned to the Respondent, unopened.

The City is not responsible for Proposals that are incorrectly labeled, addressed, mailed, or otherwise end up in an inappropriate location other than City of St. Augustine Beach City Clerk. Any such Proposal that is not received by the City Clerk shall be returned to the Respondent, unopened.

TAXES

Project is subject to Federal Excise and Florida Sales Taxes, which must be included in the Bids submitted.

BID SECURITY

Each submitted Bid shall be accompanied by a Bid Security, submitted on the Bid Bond Form provided herein, or in the form of a certified or cashier's check, in the amount of **Five Thousand Dollars (\$5,000.00)** submitted on the Official City Bid Form, pledging that the Bidder will enter into a contract with the Owner on the terms stated in the 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 in the form of a certified or cashier's check must be made payable to the City Commission of City of St. Augustine Beach. Bidders submitting a certified or cashier's check as the bid security are not required to submit **Attachment "C"** – Certificate as to Corporate Principal, or the Bid Bond forms provided herein.

A Bid Security in the form of a Bid Bond shall be written on the form provided herein, 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 herein under "Surety Bond". The Surety Company shall be licensed to do business in the State of Florida and shall be listed by the U.S. Treasury Department. Any Bidder submitting a Bid Security in the form of a Bid Bond must also submit **Attachment "C"** – Certificate as to Corporate Principal.

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

If a Bidder chooses to submit a Bid Bond on the form provided herein, he must submit the bond as follows:

1. Prepare and submit one (1) original of the required Bid Bond Form as shown above.
2. Type or print Bidder's and Surety's names in the same language as in the Advertisement, or Invitation to Bid
3. Affix the Corporate Seal, and type or print the name of the Surety on the line provided and affix its corporate seal.
4. Attach a copy of Surety agent's Power of Attorney, unless the Power of Attorney has been recorded in City of St. Augustine Beach. 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.
5. Failure to submit a bid bond shall result in a Bidder being deemed non-responsive and removed from consideration of award.

BID POSTPONEMENT/CANCELLATION

The City may, at its sole and absolute discretion, reject any bids that are not submitted in accordance with the requirements provided in the Bid Documents. The City may re-advertise this Bid; postpone or cancel, at any time, this Invitation for Bids process; or waive any irregularities in the Bid Documents or in the Bids received in response to this Invitation for Bids.

MODIFICATION OR WITHDRAWAL OF BID

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

Any Bids submitted prior to the submittal deadline for Bids may be modified or withdrawn by the Bidder only by written notice to the City by email or letter. Such notice shall provide whether Bidder is withdrawing the submitted Bid for modification or for removal from consideration. Any Bid withdrawn by the Bidder for removal from consideration, prior to the submittal deadline for Bids shall be returned to the Bidder, unopened.

For Bids withdrawn for modification, Bidder shall provide written notice as stated above, and shall either collect the submitted Bid for modification and resubmittal, or shall send by mail, a modified Bid, for the purposes of replacing the originally submitted Bid, provided the modified Bid complies with the requirements provided in the Bid Documents. Any modified Bid must be re-submitted prior to the submittal deadline for Bids.

COSTS INCURRED BY BIDDERS

Bidders are responsible for any and all costs associated with the preparation, development and submittal of a Bid in response to this Invitation for Bids. Bidders are additionally solely responsible for any and all costs associated with attendance at any meetings, presentations or other activities conducted as part of this solicitation. It is expressly understood that no Bidder may seek or claim any award and/or reimbursement from the City for any expenses, costs, and/or fees (including attorneys' fees) borne by any Bidder, during the entire solicitation process. Such expenses, costs and/or fees (including attorneys' fees) are the sole responsibility of the Bidder.

CONSIDERATION OF BIDS

Opening of Bids

Unless stated otherwise in an Addendum to the Bid Documents, Bids properly submitted by or before the submittal deadline will be opened publicly and a tabulation of the submitted Bids will be publicly posted in accordance with City Purchasing Policy and Florida law.

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 Bid Documents or a Bid in any way incomplete or irregular.

Acceptance of Bid (Award):

The Owner shall have the right to determine the low Bidder on the basis of the Total Bid Amount, or the sum of the Base Bid and/or the Alternates (if applicable) in order to best serve the interest of the City.

It is the intent of the Owner to award a multi-year contract to multiple Bidders provided the submitted Bid is materially responsive to the requirements of the Bid Documents and judged to be reasonable.

If the Contract is awarded, it will be awarded within a minimum of ninety (90) days from the date of the Bid opening, or as designated in the Bid Documents.

If only one (1) Bid is received, the City reserves the right to negotiate with the responding Bidder, if the submitted Bid is responsive to the requirements provided herein. The Bid may also be rejected and re-advertised, in order to best serve the needs of the City.

MINIMUM QUALIFICATIONS

Bidders must be fully licensed/authorized to do business in the State of Florida, must be registered with the State of Florida Division of Corporations, and must hold a current Certified Underground Utility and Excavation Contractor (CUC) license in the State of Florida, at the time the bid is due.

Proof of qualifications must be provided by completing and submitting **Attachment “D”** – Contractor’s Qualifications Statement and **Attachment “E”** – License/Certification List along with a copy of each license and certificate listed. All licenses and certifications must be valid and current on the date Bids are submitted.

SUB-CONTRACTORS

Upon request by the City, the successful Bidder shall within seven (7) days thereafter, submit all data required to establish to the satisfaction of the City, the reliability and responsibility of the proposed Subcontractors to furnish and perform portions of work described in the Specifications. Sub-contractors and other persons and organizations proposed by the Bidder and accepted by the City, 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 City.

Prior to the award of the Contract, the City will notify the Bidder in writing if either the City, 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 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 City then may, at his option, disqualify the Bidder, at no cost to the City.

The City reserves the right to disqualify any Bidder, proposed Subcontractor, Vendor, or material supplier for failure to meet minimum qualification requirements, minimum experience requirements, for previously documented failure either with performance or quality.

EMPLOYMENT ELIGIBILITY AND MANDATORY USE OF E-VERIFY

As a condition precedent to entering into this Agreement, and in accordance with section 448.095, F.S., Contractor and its subcontractors shall register with and use the E-Verify system to verify the work authorization status of all employees hired on or after January 1, 2021.

- a. Contractor shall require each of its subcontractors to provide Contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien. Contractor shall maintain a copy of such affidavit for the duration of this Agreement.
- b. The City, Contractor, or any subcontractor who has a good faith belief that a person or entity with which it is contracting has knowingly violated section 448.09(1), F.S. or these provisions regarding employment eligibility shall terminate the contract with the person or entity.

- c. The City, upon good faith belief that a subcontractor knowingly violated these provisions regarding employment eligibility, but Contractor otherwise complied, shall promptly notify Contractor and Contractor shall immediately terminate the contract with the subcontractor.
- d. The City and Contractor hereby acknowledge and mutually agree that a contract terminated pursuant to these provisions regarding employment eligibility is not a breach of contract and may not be considered as such. Any contract terminated pursuant to these provisions regarding employment eligibility may be challenged in accordance with section 448.095(2)(d), F.S.
- e. Contractor acknowledges that, in the event that the City terminates this Contract for Contractor's breach of these provisions regarding employment eligibility, then Contractor may not be awarded a public contract for at least one (1) year after such termination. Contractor further acknowledges that Contractor is liable for any additional costs incurred by the City as a result of the City's termination of this Agreement for breach of these provisions regarding employment eligibility.
- f. Contractor shall incorporate in all subcontracts made pursuant to this Agreement the provisions contained herein regarding employment eligibility.

INDEMNIFICATION

Contractor shall indemnify and hold harmless the City and its officers and employees from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of Contractor and persons employed or utilized by Contractor in the performance of this Contract.

To the extent permitted by, and in accordance with Section 725.06 of the Florida Statutes, Contractor further agrees that "damages, losses and costs", includes fines, citations, court judgments, insurance claims, restoration costs or other liability, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of Contractor and persons employed or utilized by Contractor in the performance of this Contract.

To the extent permitted by, and in accordance with Section 725.06 of the Florida Statutes, for purposes of indemnity, the "persons employed or utilized by Contractor" shall be construed to include, but not be limited to, Contractor, its staff, employees, subcontractors, all deliverers, suppliers, furnishers of materials or services or anyone acting for, on behalf of, or at the request of Contractor.

In Claims against any person or entity indemnified hereunder by an employee of Contractor, any Subcontractor, or subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation shall not be limited by a limitation on the amount or type of damages, compensation or benefits payable by or for Contractor or any Subcontractor or subcontractor under any workers' compensation acts, disability benefits acts or other employee benefit acts.

Contractor's indemnity and hold harmless obligations hereunder shall extend to all Claims against the City by any third party or third-party beneficiary of this Contract and all liabilities, damages, losses and costs related thereto.

This indemnification will not be valid in the instance where the loss is caused by the gross negligence, or willful, wanton or intentional misconduct of any Indemnified Party.

If any provision(s), or portion(s) of a provision(s) of this Section, or the application thereof to any person or circumstance shall, to any extent, be held to be invalid, illegal or unenforceable for any reason whatsoever, the validity, legality and enforceability of the remaining provision(s), or part of the provision(s), shall not in any way be affected or impaired thereby; and shall be interpreted to the fullest extent possible to be enforceable and to give effect to the intent manifested by the provision(s), or portion(s) thereof, held invalid, illegal or unenforceable.

Contractor shall further indemnify and hold harmless the City its officers and employees from and against all Claims arising out of any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting

from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents and shall defend such Claims in connection with any alleged infringement of such rights.

Any indemnification provisions provided in the Contract shall survive expiration or earlier termination of the Contract.

FORCE MAJEURE

Contractor shall not be liable for failure to carry out the terms of this Agreement to the extent such failure is due to a Force Majeure event, except for failures that could have been reasonably foreseen and guarded against so as to avoid or reduce the adverse impact thereof. A Force Majeure event is hereby defined as the failure to carry out any of the terms of this agreement due to any one of the following circumstances beyond the control of the Contractor: (a) the operation and effect of the rules, regulations, or order promulgated by any commission, City, municipality, or governmental agency of the State of Florida or United States, (b) a restraining order, injunction, or similar decree on any court of competent jurisdiction, (c) war, (d) flood, (e) earthquake, (f) fire, (g) severe windstorm, (h) acts of public disturbance, (i) quarantine restrictions, (j) epidemics, (k) strikes, (l) freight embargoes, or (m) sabotage. The times specified herein for performances include delays that can ordinarily be anticipated due to adverse weather conditions. The City is not obligated to grant an extension of time due to the adverse weather condition unless such conditions rise to the level of Force Majeure.

TERMINATION

The City may, by written notice to Contractor, terminate the awarded Contract in whole or in part at any time for the City's convenience or for the default of the Contractor.

If, at any time, the awarded Contract is terminated by the City, whether for cause or for convenience, the City may, at its sole discretion, negotiate with the second lowest, responsible, responsive bidder for completion of the required Work if it serves the best interest of the City to do so.

FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

Unless otherwise provided in the Bid Documents, the Agreement for Work will be written on the City's approved Construction Agreement.

CONTRACT DURATION & RENEWAL

The Contract Agreement for the services provided herein shall be on a form furnished by City of St. Augustine Beach. The initial Contract Term shall be for a period of three (3) years, **providing satisfactory performance is maintained**. The Contract may be renewed in one (1) two (2) year renewal if all of the following criteria are met: Satisfactory performance by the Contractor, approval by the City Finance Director, City Public Works Director and/or City Engineer, or their designees, and availability of funds for the fiscal year of the renewal period, **providing satisfactory performance is maintained**. The Contract price will remain fixed for the Contract Term.

PRICING

Unit Prices shall include: all labor; materials; transportation; supervision; surveying, dewatering, shoring, testing and all other items required by FDOT Standard Specifications - Latest Edition; insurance; taxes; fees; overhead; and profit that the Contractor will incur by performing the required work. No fuel surcharges, transportation surcharges, or any other fees or costs shall be paid in addition to the unit prices submitted in the Bid.

The pricing under this Bid shall remain firm throughout the first year of this Contract Agreement. Pricing increases shall be considered on an annual basis no later than sixty (60) calendar days prior to the Contract Agreement Anniversary Date. The Contractor shall submit any requests for increases in pricing no later than sixty (60) days prior to the effective date of the Contract Anniversary Date. Requested price increases must be justified by the Contractor by providing proof of a cost increase to the Contractor in such major areas as cost of supplies, material, fuel, or changes in governmental regulations. The cost of an increase must not be offset by a corresponding decrease in another area. Negotiated increases shall not exceed the prior **twelve (12) months CPI - All Urban Consumers (CPI-U)**, unless otherwise approved by the City. Should the requested price increase be considered excessive or determined not to be competitive for the services, the City reserves the right to deny the requested price increase, or terminate the Contract Agreement, and re-bid for these services. All prices shall remain firm for the period of each Contract Renewal term.

PRICING PROPOSALS

The City shall request pricing proposals for work under this Contract for projects totaling \$0.01 - \$500,000.00. The City shall request a minimum of one (1) pricing proposal, but the City reserves the right to ask for multiple pricing proposals per project.

Any pricing proposals submitted by Contractor(s) for work under this contract must be on company letterhead, signed by an authorized representative of the Contractor, and shall contain the following information:

- Description of the scope of work to be performed;
- Total Project Cost Proposal – with a breakdown of unit costs/rates provided in the Pricing Sheets including all Materials, Sub-Contractor and Rentals invoiced for the project (including Sub-Contractor's proposal);
- Schedule for Completion;
- List of sub-contractors proposed to work on the project, and the portions of work they'll perform.

PURCHASE ORDERS

Projects awarded under this Contract shall be authorized by a Purchase Order, which shall be executed by the City of St. Augustine Beach. Purchase Orders shall be issued by the City's Finance Department. The Purchase Order shall not be considered effective until executed by the City Manager as required per City policy. No Purchase Order will be issued for over \$500,000.00 unless approved by the City Commission.

The Public Works Department shall be responsible for determining estimated quantities of items for each project/scope of work and requesting pricing proposals from the Contractor(s). Award of a Purchase Order shall be determined by the Public Works Department based upon cost comparison between vendor(s) under contract, schedule and current workload of the vendor(s), and relative capability of the vendor(s) for the individual Purchase Order.

Each Purchase Order shall include all of the following information:

- Contract Name & Number,
- Contractor Name & Address,
- Purchase Order Number, Project Name,
- Scope of Work,
- Cost of Project,
- Schedule for Completion, and
- Any and all terms and conditions associated with the project.

Any and all changes to a project shall be authorized through a Contract Change Order or Amendment as applicable to the change being authorized. Changes must be requested and/or approved by the Project Manager, Department Head and Finance Director. The Contractor shall then submit a proposal for the change to the Project Manager. No additional or alternate work shall be performed by the Contractor until receipt of a fully executed Change Order or Amended Purchase Order.

CHANGE ORDERS

The City shall advise the Contractor of minor changes in the work not involving an adjustment to the Purchase Order dollar value or completion time. The Contractor shall be required to perform these changes at no additional cost to the City.

The Contractor may request a change by submitting a written request to the City describing the proposed change and its full effect on the work, including a statement describing the reason for the change, and the effect on the Purchase Order dollar value and completion time with full documentation. The Contractor must provide back-up documentation for any requested substitutions or alterations from the scope of work provided by the City.

Change Orders shall be issued to increase or decrease the dollar value of a Purchase Order based on estimated quantity overages and shortages, or on a change in the project determined by the City.

All Change Orders shall be accompanied by a revised scope of work, as applicable, added or subtracted quantities of unit price items, explanation for the change (whether City driven or Contractor driven) and shall be signed by the Contractor and the City Representative. Change Orders shall not be considered fully executed until both parties have signed.

PUBLIC CONSTRUCTION BONDS

The Contractor shall be required to obtain and submit recorded Public Construction Bonds on any Contract Purchase Order issued greater than one hundred thousand dollars (\$100,000.00) in value per Florida Statute 255.05. The Contractor shall furnish the required bond, after full execution of the authorizing Purchase Order, in the form provided by City of St. Augustine Beach, covering the faithful performance of the Contract and the payment of all obligations arising there under in full amount of the Contract Purchase Order, with such acceptable sureties, secured through the Contractor's usual sources as may be agreeable to the parties. The Bond shall be released upon satisfactory completion of the project.

SURETY BOND

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

1. Surety must be licensed to do business in the State of Florida;
2. Surety must have been in business and have a record of successful continuous operations for at least three (3) years;
3. 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;
4. Surety must have fulfilled all of its obligations on all other bonds given to the Owner;
5. 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 form will be forwarded to the Contractor with his copy of the fully executed Contract Purchase Order. The Public Construction Bond must be recorded **after** the Purchase Order is signed by all parties. The Contractor shall have three (3) days from receipt of fully executed Purchase Order to have the Public Construction Bond recorded in the City Clerk's Recording Office, City of St. Augustine Beach, Florida. After the book and page number have been assigned to the bond by the recording person, the Contractor shall obtain a certified copy of the recorded bond from the recording person and deliver the certified copy to the City Finance Department representative. No work shall commence until the required bond has been delivered to the City Finance Department.

Unless otherwise specified in the Bid Documents, the bonds shall be written on the form provided herein.

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

CONTRACT TIME – LIQUIDATED DAMAGES

The Contract Time shall be determined at the time of issuance of each Purchase Order. Contract time shall be stipulated in consecutive calendar days for completion of all authorized work.

Any changes to the contract time shall be issued through a Change Order by the City Finance Department. Changes to the contract time must be requested, justified, and/or approved by the Project Manager.

Conditions under which liquidated damages shall be imposed:

<u>Original Contract Amount</u>	<u>Daily Charge Per Calendar Day</u>
\$50,000 and under.....	\$956
Over \$50,000 but less than \$250,000	\$964
\$250,000 but less than \$500,000.	\$1,241
\$500,000 but less than \$2,500,000.	\$1,665
\$2,500,000 but less than \$5,000,000.	\$2,712
\$5,000,000 but less than \$10,000,000.	\$3,447
\$10,000,000 but less than \$15,000,000.	\$4,866
\$15,000,000 but less than \$20,000,000.	\$5,818
\$20,000,000 and over.....	\$9,198 (plus 0.00005 of any amount over \$20 million (Round to nearest whole dollar)

INVOICING

The Contractor shall submit an invoice to the appropriate City department contact at the end of each month. The date of

the invoice shall not exceed thirty (30) calendar days from the date of services performed. Under no circumstances shall the invoice be submitted to the City in advance of the performance of services. The City reserves the right to refuse or prorate payment based on unsatisfactory performance of services during any month. Failure to submit invoices in the prescribed manner may delay payment. Invoices shall be submitted as stated below:

CSAB Accounts Payable
AP@cityofsab.org
2200 A1A S
St. Augustine, FL 32080

And

Jason D. Sparks, P.E.
jsparks@cityofsab.org
2200 A1A S
St. Augustine, FL 32080

City of St. Augustine Beach Payment Terms: Net 30 Days per 218.74(2) Florida Statutes.

At a minimum, all invoices shall contain the following basic information:

- Contractor Information (Full Legal Name, Address, Phone, Fax)
- Date of Invoice, Invoice Number
- City Purchase Order Number, Contract Number, Bid Number
- Total Price of Invoice
- Description of Services Performed

INSURANCE

Bidders must include in the submitted Bid, proof of at least the minimum coverage amounts in the type(s) of insurance policies as provided below. Failure to submit proof of current coverage or certification from a qualified insurance provider of the Bidder's ability to obtain the required coverages upon award may be grounds for Bidder being deemed non-responsive and removed from further consideration.

All insurance policies shall be satisfactory to the City and be issued by companies authorized and duly licensed to transact business in the State of Florida. Contractor shall furnish proof of insurance to the City prior to execution of the Contract. No Work shall commence under the awarded Contract until Contractor has obtained all insurance coverages required by the Contract. Certificates of insurance shall clearly indicate Contractor has obtained insurance of the type, amount, and classification as required by the Contract. Required insurance coverage shall be maintained in force, including coverage for Additional Insureds, until Final Completion of all Work including Warranty Work.

No less than ten (10) days written notice shall be provided to the City prior to cancellation, non-renewal or any material change of required insurance policies. Yearly renewal certificates shall be provided to the City within thirty (30) days of expiration of the current policy.

The types and amounts of insurance required under the Contract do not in any way limit the liability of Contractor including under any warranty or indemnity provision of the Contract or any other obligation whatsoever Contractor may have to the City or others. Nothing in the Contract shall limit the Contractor to the minimum required insurance coverages found in the Contract.

The term "Additional Insured" shall mean City of St. Augustine Beach, its elected officials, officers, employees, agents and representatives. Certificates of insurance shall specifically name each Additional Insured for all policies of insurance except Workers' Compensation and Professional Liability. A copy of the endorsement showing the required coverages must accompany the certificate of insurance.

Certificate Holder Address: City of St. Augustine Beach, a political subdivision of the State of Florida
2200 A1A S
St. Augustine, FL 32080
Attn: Finance Division

Contractor shall procure and maintain during the life of the awarded Contract, adequate Workers' Compensation Insurance in at least such amounts as is required by law for all of its employees per Florida Statute 440.02.

The Contractor shall procure and maintain during the life of this Contract, Comprehensive General Liability Insurance with minimum limits of \$1,000,000 per occurrence, \$2,000,000 aggregate, including bodily injury (including wrongful death), property damage, products, personal & advertising injury, and completed operations. This insurance must provide coverage for all Claims that may arise from the services and/or operations completed under this Contract, whether such services or operations are by Contractor, or anyone directly or indirectly employed by them. Such insurance(s) shall also be primary and non-contributory with regard to insurance carried by the Additional Insureds.

The Contractor shall procure and maintain during the life of this Contract, Comprehensive Automobile Liability Insurance with minimum limits of \$2,000,000 combined single limit for bodily injury and property damage liability and insuring liability arising out of or in any way related directly or indirectly to the ownership, maintenance or use of any owned, non-owned or rented/hired automobiles.

The required insurance limits identified above may be satisfied by a combination of a primary policy and/or Umbrella or Excess Liability Insurance policy. Contractor shall require each lower-tier subcontractor to comply with all insurance requirements appropriate for its scope of work, and any deficiency shall not relieve Contractor of its responsibility herein. Upon written request, Contractor shall provide City with copies of lower-tier subcontractor certificates of insurance.

Providing and maintaining adequate insurance coverage is a material obligation of Contractor. City has no obligation or duty to advise Contractor of any non-compliance with the insurance requirements contained in this Section. If Contractor fails to obtain and maintain all of the insurance coverages required herein, Contractor shall indemnify and hold harmless the Additional Insureds from and against any and all Claims that would have been covered by such insurance had Contractor complied with its obligations herein.

City reserves the right to adjust the above minimum insurance requirements or require additional insurance coverages to address other insurable hazards.

GOVERNING LAWS & REGULATIONS

The Contractor shall be responsible for being familiar and complying with any and all federal, state, and local laws, ordinances, rules and regulations that, in any manner, affect the work required under this contract. The agreement shall be governed by the laws of the State of Florida and City of St. Augustine Beach both as to interpretation and performance.

For the projects awarded under this contract relating to an Emergency declaration, the Contractor will comply with the strictest provisions of Federal 2 CFR 200, State, and Local procurement Rules, Regulations and/or Ordinances, etc.

FLORIDA TRENCH SAFETY ACT

Bidders shall complete 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. A copy of the form, **Attachment "M"**, is provided in the Bidding Documents.

OSHA REQUIREMENTS

The Contractor warrants that the product, products, or services supplied to City of St. Augustine Beach shall conform in all respects to the standards set forth in the Occupational Safety and Health Act (OSHA) of 1970 as amended and the failure to comply will be considered a breach of contract. City of St. Augustine Beach shall be held harmless against any unsafe conditions and contractor employee incidents.

COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT

Contractor certifies that all material, equipment, services, etc., furnished in this bid meets all OSHA requirements for the applicable Sectors. Bidder further certifies that, if he is the successful bidder, and the material, equipment, service, etc., delivered or provided is subsequently found to be deficient in any OSHA requirement in effect on date of delivery or service fulfillment date, all costs necessary to bring the material, equipment, service, etc., into compliance with the aforementioned requirements shall be borne by the bidder. All Personal Protective Equipment used by the contractor and their employees shall be ANSI certified and meet OSHA standards.

TRAINING AND EDUCATION (APPLICABLE ONLY WITH CONSTRUCTION SERVICES)

Contractors will ensure that Contractor employees are trained appropriately for their work. The minimum requirements

are found in Federal and State Regulations. Examples of this training are (but not limited to):

- Lockout Tagout
- Fall Protection
- Electrical Safety and the National Electrical Code (NEC)
- Confined Space Entry
- Welding/Cutting/Brazing
- Specific Chemical Hazards
- Excavations and Trenching
- Heavy Equipment Operation

Special emphasis should be given towards training and compliance with the Construction industry's "Focus Four" established by OSHA as an outreach program to the construction industry and its workers. Training, education, and awareness should be provided in the areas of: 1) Fall Hazards 2) Caught-In and Between Hazards 3) Struck-By Hazards and 4) Electrocuting Hazards.

TOXIC SUBSTANCES/FEDERAL HAZARD COMMUNICATION "RIGHT TO KNOW AND UNDERSTAND" REGULATIONS

The Federal "Right to Know and Understand" Regulation (also known as the Hazard Communication / Globally Harmonized System of Classification and Labeling of Chemicals (GHS) implemented by OSHA requires employers to inform their employees of any toxic substances to which they may be exposed in the workplace, and to provide training in safe chemical storage, labeling, handling practices and emergency procedures.

Accordingly, the Contractor(s) performing under this contract shall be required to provide two (2) complete sets of Safety Data Sheets (SDS) to each of the departments utilizing the awarded products. This information should be provided at the time when the initial delivery is made, on a department-by-department basis. If performing work on site, it is preferred that each contractor bring their hazardous communication program and SDS in a binder labeled with the contractor's name and identified as a Hazardous Communication/GHS Program. Upon leaving the jobsite and the removal of all hazardous materials, contractors shall take their information with them.

The transport, use, and disposal of toxic substances must be conducted in accordance with DEP/EPA regulations.

Upon request, contractors working at City of St. Augustine Beach facilities or jobsites will be given access to the written Hazardous Communication Program and informed where to locate SDS.

TEMPORARY TRAFFIC CONTROL (TTC)/MAINTENANCE OF TRAFFIC (MOT) (APPLICABLE ONLY WITH CONSTRUCTION SERVICES)

The Contractor must comply with the Florida Department of Transportation's (DOT) Temporary Traffic Control (TTC) and the Manual on Uniform Traffic Control Devices (MUTCD) in the planning, development, design, implementation, operation, enforcement and inspection of work zone related transportation management and temporary traffic control on streets and highways within the State Highway System right-of-way. Training in the Advanced, Intermediate, and Flagger categories must be completed by the Contractor for their employee when performing right-of-way work while under contract with City of St. Augustine Beach. Contractor employees must wear a Class II (daytime), Class III (night/limited visibility) high-visibility safety vest or equivalent high-visibility apparel while performing any work that places them in the right-of-way.

PUBLIC RECORDS

- A. The cost of reproduction, access to, disclosure, non-disclosure, or exemption of records, data, documents, and/or materials, associated with this Agreement shall be subject to the applicable provisions of the Florida Public Records Law (Chapter 119, Florida Statutes), and other applicable State and Federal provisions. Access to such public records, may not be blocked, thwarted, and/or hindered by placing the public records in the possession of a third party, or an unaffiliated party.
- B. In accordance with Florida law, to the extent that Contractor's performance under this Contract constitutes an act on behalf of the City, Contractor shall comply with all requirements of Florida's public records law. Specifically, if

Contractor is expressly authorized, and acts on behalf of the City under this Agreement, Contractor shall:

- (1) Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the Services;
- (2) Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost as provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
- (3) Ensure that public records related to this Agreement that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by applicable law for the duration of this Agreement and following completion of this Agreement if the Contractor does not transfer the records to the City; and
- (4) Upon completion of this Agreement, transfer, at no cost, to the City all public records in possession of the Contractor or keep and maintain public records required by the City to perform the Services.

If the Contractor transfers all public records to the City upon completion of this Agreement, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of this Agreement, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the City's information technology systems.

Failure by the Contractor to comply with the requirements of this section shall be grounds for immediate, unilateral termination of this Agreement by the City.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE AWARDED AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT: 2200 A1A S, St. Augustine, FL 32080, Phone: (904) 471-2122; Email: dfitzgerald@cityofsab.org

END OF SECTION

OFFICIAL CITY BID FORM WITH ATTACHMENTS

BID NO: 23-07

OFFICIAL CITY BID FORM CITY
OF ST. AUGUSTINE BEACH,
FLORIDA

PROJECT: CITYWIDE PIPE AND MANHOLE LINING, RENEWAL &
REHABILITATION SERVICES

TO: THE CITY COMMISSION OF CITY OF ST. AUGUSTINE BEACH, FLORIDA DATE

SUBMITTED: _____

BID PROPOSAL OF

Full Legal Company Name

Mailing Address Telephone Number Fax Number

Bidders: Having become familiar with requirements of the project, and having carefully examined the Bidding Documents and Specifications entitled for Bid No: 23-07; CITYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES in City of St. Augustine Beach, Florida, the undersigned proposes to furnish all materials, labor and equipment, supervision and all other requirements necessary to comply with the Contract Documents to submit the following Bid Proposal summarized as follows:

BID NO.: 23-07; CITYWIDE PIPE AND MANHOLE LINING RENEWAL & REHABILITATION SERVICES

Note: Any and all fees, charges, and costs associated with performing the required services must be included in the unit prices submitted below. These prices shall be final cost to the City. No fuel surcharges, transportation surcharges, or any other fees or costs shall be paid in addition to the prices submitted below.

SECTION A: CURED-IN-PLACE PIPE (CIPP)

TOTAL SECTION A BID: \$ _____
(From Attachment "A") Amount Written in Numerals

\$ _____ /100
Amount Written in Words

SECTION B: MANHOLE & DRAINAGE STRUCTURE REHABILITATION

TOTAL SECTION B BID: \$ _____
(From Attachment "A") Amount Written in Numerals

\$ _____ /100
Amount Written in Words

SECTION C: ANCILLARY SERVICES

TOTAL SECTION C BID: \$ _____
(From Attachment "A") Amount Written in Numerals

\$ _____ /100
Amount Written in Words

TOTAL PACKAGE BID: \$ _____
(From Attachment "A") Amount Written in Numerals

\$ _____ /100
Amount Written in Words

Each Bidder shall type or print legibly the Total Bid Amounts in each designated space provided above. If there is a discrepancy between the amount written in numerals and the amount written in words, the amount written in words shall be considered as the Bidder's correct bid.

The Unit Prices offered in this Bid Proposal shall remain firm for a period of ninety (90) days from the Bid opening date.

It is the City's intent to award to multiple vendors.

BID NO: 23-07

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 Bid Documents and Project Specifications.

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, 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 the Owner, within the same time limit specified in the Bid Documents as indicated above.

If the Undersigned is notified of the acceptance of this Bid Proposal by the Commission within ninety (90) calendar days for 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 further agrees that security in the form of a Bid Bond, certified or cashier's check in the amount of no less than **Five Thousand Dollars (\$5,000.00)**, 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 ninety (90) days of the time set for the submission of Bids, or if the Undersigned delivers the executed Contract upon receipt, the Security shall be returned to the Bidder within seven (7) working days.

BID NO: 23-07

CORPORATE/COMPANY

Full Legal Company Name: _____(Seal)

By: _____

Signature of Authorized Representative (Name & Title typed or printed)

By: _____

Signature of Authorized Representative (Name & Title typed or printed)

Address: _____

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

Email Address for Authorized Company Representative: _____

Federal I.D. Tax Number: _____ DUNS #: _____
(If applicable)

INDIVIDUAL

Name: _____

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

Address: _____

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

Email Address: _____

Federal I.D. Tax Number: _____

Each Bidder must submit all required forms and attachments. Failure to submit any required document may be grounds for disqualification due to non-responsiveness.

Submittal Requirements: Official City Bid Form, and all Attachments must be completed; along with a fully acknowledged copy of each Addendum applicable to this Bid and submitted with each copy of the Bid Proposal.

ATTACHMENT A

UNIT PRICE BID

The following Unit Prices, if approved by the City, shall be used for the purposes of developing pricing proposals for Purchase Orders and Change Orders issued under this contract.

Unit Prices shall include: all labor, materials, equipment, mobilization, transportation; supervision; surveying, dewatering, shoring, testing, insurance cost, taxes, fees, overhead, profit and all other items required by FDOT Standard Specifications - Latest Edition that the Contractor will incur by performing the required work. No fuel surcharges, transportation surcharges, or any other fees or costs shall be paid in addition to the prices submitted below.

Bidders are NOT required to bid each item. Enter "No Bid" in place of the unit prices for each item you are not submitting pricing. **Award will be based on the Total Unit Price Bid for items A-1 through C-15**, with the intent to award multi-year contracts to more than one Bidder.

A. CURED-IN-PLACE PIPE (CIPP)			
Cured-In-Place Pipe (CIPP) Liner Rehabilitation – Stormwater Drainage Infrastructure Cleaning and CCTV Inspection			
Item	Description	Unit of Measure	Unit Cost (See Above)
	Light Cleaning and CCTV Inspection		
A-1	8" - 12" diameter	LF	\$
A-2	14" - 18" diameter	LF	\$
A-3	20" - 24" diameter	LF	\$
A-4	27" - 42" diameter	LF	\$
A-5	48" - 72" diameter	LF	\$
	Medium Cleaning and CCTV Inspection		
A-6	8" - 12" diameter	LF	\$
A-7	14" - 18" diameter	LF	\$
A-8	20" - 24" diameter	LF	\$
A-9	27" - 42" diameter	LF	\$
A-10	48" - 72" diameter	LF	\$
	Heavy Cleaning and CCTV Inspection		
A-11	8" - 12" diameter	LF	\$
A-12	14" - 18" diameter	LF	\$
A-13	20" - 24" diameter	LF	\$
A-14	27" - 42" diameter	LF	\$
A-15	48" - 72" diameter	LF	\$
	Root Removal and CCTV Inspection		
A-16	8" - 12" diameter	LF	\$
A-17	14" - 18" diameter	LF	\$

A-18	20" - 24" diameter	LF	\$
A-19	27" - 42" diameter	LF	\$
A-20	48" - 72" diameter	LF	\$
Cured-In-Place Pipe (CIPP) Liner Rehabilitation – Stormwater Drainage Infrastructure Cleaning and CCTV Inspection (Continued)			
Item	Description	Unit of Measure	Unit Cost
	Tuberculation Cleaning and CCTV Inspection		
A-21	8" - 12" diameter	LF	\$
A-22	14" - 18" diameter	LF	\$
A-23	20" - 24" diameter	LF	\$
A-24	27" - 42" diameter	LF	\$
A-25	48" - 72" diameter	LF	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure			
Item	Description	Unit of Measure	Extension
	8" diameter CIPP Liner		
A-26	6.0 mm normal thickness (.236)	LF	\$
A-27	7.5 mm normal thickness (.295)	LF	\$
A-28	9.0 mm normal thickness (.354)	LF	\$
A-29	Sectional Liner, 8' long	EA	\$
	12" diameter CIPP Liner		
A-30	6.0 mm normal thickness (.236)	LF	\$
A-31	7.5 mm normal thickness (.295)	LF	\$
A-32	9.0 mm normal thickness (.354)	LF	\$
A-33	Charge for each 1.5mm thickness increase per LF exceeding 9.0 mm	LF	\$
A-34	Sectional Liner, 8' long	EA	\$
	15" diameter CIPP Liner		
A-35	6.0 mm normal thickness (.236)	LF	\$
A-36	7.5 mm normal thickness (.295)	LF	\$
A-37	9.0 mm normal thickness (.354)	LF	\$
A-38	Charge for each 1.5mm thickness increase per LF exceeding 9.0 mm	LF	\$
A-39	Sectional Liner, 8' long	EA	\$
	18" diameter CIPP Liner		
A-40	6.0 mm normal thickness (.236)	LF	\$
A-41	7.5 mm normal thickness (.295)	LF	\$
A-42	9.0 mm normal thickness (.354)	LF	\$

A-43	10.5 mm normal thickness (.413)	LF	\$
A-44	Charge for each 1.5mm thickness increase per LF exceeding 10.5 mm	LF	\$
A-45	Sectional Liner, 8' long	EA	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure (Continued)			
Item	Description	Unit of Measure	Extension
	21" diameter CIPP Liner		
A-46	6.0 mm normal thickness (.236)	LF	\$
A-47	7.5 mm normal thickness (.295)	LF	\$
A-48	9.0 mm normal thickness (.354)	LF	\$
A-49	10.5 mm normal thickness (.413)	LF	\$
A-50	12.0 mm normal thickness (.472)	LF	\$
A-51	Charge for each 1.5mm thickness increase per LF exceeding 12.0 mm	LF	\$
A-52	Sectional Liner, 8' long	EA	\$
	24" diameter CIPP Liner		
A-53	9.0 mm normal thickness (.354)	LF	\$
A-54	10.5 mm normal thickness (.413)	LF	\$
A-55	12.0 mm normal thickness (.472)	LF	\$
A-56	13.5 mm normal thickness (.531)	LF	\$
A-57	15.0 mm normal thickness (.591)	LF	\$
A-58	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-59	Sectional Liner, 8' long	EA	\$
	27" diameter CIPP Liner		
A-60	9.0 mm normal thickness (.354)	LF	\$
A-61	10.5 mm normal thickness (.413)	LF	\$
A-62	12.0 mm normal thickness (.472)	LF	\$
A-63	13.5 mm normal thickness (.531)	LF	\$
A-64	15.0 mm normal thickness (.591)	LF	\$
A-65	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-66	Sectional Liner, 8' long	EA	\$
	30" diameter CIPP Liner		
A-67	9.0 mm normal thickness (.354)	LF	\$
A-68	10.5 mm normal thickness (.413)	LF	\$
A-69	12.0 mm normal thickness (.472)	LF	\$
A-70	13.5 mm normal thickness (.531)	LF	\$
A-71	15.0 mm normal thickness (.591)	LF	\$

A-72	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-73	Sectional Liner, 8' long	EA	\$
	36" diameter CIPP Liner		
A-74	10.5 mm normal thickness (.413)	LF	\$
A-75	12.0 mm normal thickness (.472)	LF	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure (Continued)			
Item	Description	Unit of Measure	Extension
	36" diameter CIPP Liner (Continued)		
A-76	13.5 mm normal thickness (.531)	LF	\$
A-77	15.0 mm normal thickness (.591)	LF	\$
A-78	16.5 mm normal thickness (.650)	LF	\$
A-79	18.0 mm normal thickness (.709)	LF	\$
A-80	Charge for each 1.5mm thickness increase per LF exceeding 18.0 mm	LF	\$
A-81	Sectional Liner, 8' long	EA	\$
	42" diameter CIPP Liner		
A-82	10.5 mm normal thickness (.413)	LF	\$
A-83	12.0 mm normal thickness (.472)	LF	\$
A-84	13.5 mm normal thickness (.531)	LF	\$
A-85	15.0 mm normal thickness (.591)	LF	\$
A-86	16.5 mm normal thickness (.650)	LF	\$
A-87	18.0 mm normal thickness (.709)	LF	\$
A-88	Charge for each 1.5mm thickness increase per LF exceeding 18.0 mm	LF	\$
A-89	Sectional Liner, 8' long	EA	\$
	48" diameter CIPP Liner		
A-90	12.0 mm normal thickness (.472)	LF	\$
A-91	13.5 mm normal thickness (.531)	LF	\$
A-92	15.0 mm normal thickness (.591)	LF	\$
A-93	16.5 mm normal thickness (.650)	LF	\$
A-94	18.0 mm normal thickness (.709)	LF	\$
A-95	19.5 mm normal thickness (.768)	LF	\$
A-96	21.0 mm normal thickness (.827)	LF	\$
A-97	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$
A-98	Sectional Liner, 8' long	EA	\$
	52" diameter CIPP Liner		
A-99	10.5 mm normal thickness (.413)	LF	\$

A-100	12.0 mm normal thickness (.472)	LF	\$
A-101	13.5 mm normal thickness (.531)	LF	\$
A-102	15.0 mm normal thickness (.591)	LF	\$
A-103	16.5 mm normal thickness (.650)	LF	\$
A-104	18.0 mm normal thickness (.709)	LF	\$
A-105	19.5 mm normal thickness (.768)	LF	\$
A-106	21.0 mm normal thickness (.827)	LF	\$
A-107	22.5 mm normal thickness (.886)	LF	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure (Continued)			
Item	Description	Unit of Measure	Extension
	52" diameter CIPP Liner (Continued)		
A-108	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$
A-109	Sectional Liner, 8' long	EA	\$
	54" diameter CIPP Liner		
A-110	10.5 mm normal thickness (.413)	LF	\$
A-111	12.0 mm normal thickness (.472)	LF	\$
A-112	13.5 mm normal thickness (.531)	LF	\$
A-113	15.0 mm normal thickness (.591)	LF	\$
A-114	16.5 mm normal thickness (.650)	LF	\$
A-115	18.0 mm normal thickness (.709)	LF	\$
A-116	19.5 mm normal thickness (.768)	LF	\$
A-117	21.0 mm normal thickness (.827)	LF	\$
A-118	22.5 mm normal thickness (.886)	LF	\$
A-119	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$
A-120	Sectional Liner, 8' long	EA	\$
	60" diameter CIPP Liner		
A-121	10.5 mm normal thickness (.413)	LF	\$
A-122	12.0 mm normal thickness (.472)	LF	\$
A-123	13.5 mm normal thickness (.531)	LF	\$
A-124	15.0 mm normal thickness (.591)	LF	\$
A-125	16.5 mm normal thickness (.650)	LF	\$
A-126	18.0 mm normal thickness (.709)	LF	\$
A-127	19.5 mm normal thickness (.768)	LF	\$
A-128	21.0 mm normal thickness (.827)	LF	\$
A-129	22.5 mm normal thickness (.886)	LF	\$
A-130	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$
A-131	Sectional Liner, 8' long	EA	\$

	72" diameter CIPP Liner		
A-132	10.5 mm normal thickness (.413)	LF	\$
A-133	12.0 mm normal thickness (.472)	LF	\$
A-134	13.5 mm normal thickness (.531)	LF	\$
A-135	15.0 mm normal thickness (.591)	LF	\$
A-136	16.5 mm normal thickness (.650)	LF	\$
A-137	18.0 mm normal thickness (.709)	LF	\$
A-138	19.5 mm normal thickness (.768)	LF	\$
A-139	21.0 mm normal thickness (.827)	LF	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure (Continued)			
Item	Description	Unit of Measure	Extension
	72" diameter CIPP Liner (Continued)		
A-140	22.5 mm normal thickness (.886)	LF	\$
A-141	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$
A-142	Sectional Liner, 8' long	EA	\$
	(12" X 18") Elliptical CIPP Liner		
A-143	9.0 mm normal thickness (.354)	LF	\$
A-144	10.5 mm normal thickness (.413)	LF	\$
A-145	12.0 mm normal thickness (.472)	LF	\$
A-146	13.5 mm normal thickness (.531)	LF	\$
A-147	15.0 mm normal thickness (.591)	LF	\$
A-148	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-149	Sectional Liner, 8' long	EA	\$
	(14" X 18") Elliptical CIPP Liner		
A-150	9.0 mm normal thickness (.354)	LF	\$
A-151	10.5 mm normal thickness (.413)	LF	\$
A-152	12.0 mm normal thickness (.472)	LF	\$
A-153	13.5 mm normal thickness (.531)	LF	\$
A-154	15.0 mm normal thickness (.591)	LF	\$
A-155	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-156	Sectional Liner, 8' long	EA	\$
	(14" X 23") Elliptical CIPP Liner		
A-157	9.0 mm normal thickness (.354)	LF	\$
A-158	10.5 mm normal thickness (.413)	LF	\$
A-159	12.0 mm normal thickness (.472)	LF	\$
A-160	13.5 mm normal thickness (.531)	LF	\$

A-161	15.0 mm normal thickness (.591)	LF	\$
A-162	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-163	Sectional Liner, 8' long	EA	\$
	(19" X 30") Elliptical CIPP Liner		
A-164	9.0 mm normal thickness (.354)	LF	\$
A-165	10.5 mm normal thickness (.413)	LF	\$
A-166	12.0 mm normal thickness (.472)	LF	\$
A-167	13.5 mm normal thickness (.531)	LF	\$
A-168	15.0 mm normal thickness (.591)	LF	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure (Continued)			
Item	Description	Unit of Measure	Extension
	(19" X 30") Elliptical CIPP Liner (Continued)		
A-169	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$
A-170	Sectional Liner, 8' long	EA	\$
	(24" X 38") Elliptical CIPP Liner		
A-171	10.5 mm normal thickness (.413)	LF	\$
A-172	12.0 mm normal thickness (.472)	LF	\$
A-173	13.5 mm normal thickness (.531)	LF	\$
A-174	15.0 mm normal thickness (.591)	LF	\$
A-175	16.5 mm normal thickness (.650)	LF	\$
A-176	18.0 mm normal thickness (.709)	LF	\$
A-177	Charge for each 1.5mm thickness increase per LF exceeding 18.0 mm	LF	\$
A-178	Sectional Liner, 8' long	EA	\$
	(29" X 45") Elliptical CIPP Liner		
A-179	12.0 mm normal thickness (.472)	LF	\$
A-180	13.5 mm normal thickness (.531)	LF	\$
A-181	15.0 mm normal thickness (.591)	LF	\$
A-182	16.5 mm normal thickness (.650)	LF	\$
A-183	18.0 mm normal thickness (.709)	LF	\$
A-184	19.5 mm normal thickness (.768)	LF	\$
A-185	21.0 mm normal thickness (.827)	LF	\$
A-186	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$
A-187	Sectional Liner, 8' long	EA	\$
	(38" X 60") Elliptical CIPP Liner		
A-188	12.0 mm normal thickness (.472)	LF	\$

A-189	13.5 mm normal thickness (.531)	LF	\$
A-190	15.0 mm normal thickness (.591)	LF	\$
A-191	16.5 mm normal thickness (.650)	LF	\$
A-192	18 .0 mm normal thickness (.709)	LF	\$
A-193	19.5 mm normal thickness (.768)	LF	\$
A-194	21 .0 mm normal thickness (.827)	LF	\$
A-195	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$
A-196	Sectional Liner, 8' long	EA	\$
	(58" X 91") Elliptical CIPP Liner		
A-197	12.0 mm normal thickness (.472)	LF	\$
A-198	13.5 mm normal thickness (.531)	LF	\$
Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage Infrastructure (Continued)			
Item	Description	Unit of Measure	Extension
	(58" X 91") Elliptical CIPP Liner (Continued)		
A-199	15.0 mm normal thickness (.591)	LF	\$
A-200	16.5 mm normal thickness (.650)	LF	\$
A-201	18 .0 mm normal thickness (.709)	LF	\$
A-202	19.5 mm normal thickness (.768)	LF	\$
A-203	21 .0 mm normal thickness (.827)	LF	\$
A-204	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$
A-205	Sectional Liner, 8' long	EA	\$
A. CURED-IN-PLACE PIPE (CIPP) TOTAL UNIT COST (Items A-1 thru A-205)		\$	
B. MANHOLE & DRAINAGE STRUCTURE REHABILITATION			
Item	Description	Unit of Measure	Extension
B-1	Chemical Grout Injection (Small)	TUBE	\$
B-2	Chemical Grout Injection (Large)	GAL	\$
B-3	Repair Wall w/ High Strength Mortar (Average 2” Depth)	SF	\$
B-4	Coat New Manhole	SF	\$
B-5	Coat Existing Manhole	SF	\$
B-6	Coat Existing Structure	SF	\$
B-7	Interior Manhole Coating/Lining Repair	SF	\$
B-8	Manhole Test	SF	\$
B-9	Concrete Adjustment Rings (0”-12")	SF	\$
B-10	Concrete Adjustment Rings (Each Additional 6” Over Initial 12")	VF	\$

B-11	Bench Replacement	EA	\$
B-12	Replace Frame & Cover (24”-30”)	EA	\$
B-13	Replace Frame & Cover (32”-36”)	EA	\$
B-14	Inside Drop System 4" - 8"	EA	\$
B-15	Inside Drop System 10" - 12"	EA	\$
B. MANHOLE REHABILITATION TOTAL UNIT COST (Items B-1 thru B-15)		\$	
C. ANCILLARY SERVICES			
Item	Description	Unit of Measure	Extension
	By-Pass Pumping & Dewatering		
C-1	8" diameter	LF	\$
C-2	10" diameter	LF	\$
C-3	12" diameter	LF	\$
C-4	15" diameter	LF	\$
C-5	18" diameter	LF	\$
C-6	21" diameter	LF	\$
C-7	24" diameter	LF	\$
C-8	27" diameter	LF	\$
C-9	30" diameter	LF	\$
C-10	36" diameter	LF	\$
	Maintenance of Traffic (MOT)		
C-11	Traffic Control – MOT Index 601 or 602 (per day)	Day	\$
C-12	Traffic Control – MOT Index 603 or higher (per day)	Day	\$
C-13	Traffic Control – MOT Index 601 or 602 (per week)	Week	\$
C-14	Traffic Control – MOT Index 603 or higher (per week)	Week	\$
C-15	Variable Message Board	Week	\$
C. ANCILLARY SERVICES TOTAL UNIT COST (Items C-1 thru C-15)		\$	
TOTAL PACKAGE BID (TOTAL UNIT COSTS FOR A + B + C)		\$	

D. Bond			
D-1	Contract Performance and Payment Bond Cost Not to Exceed 2% of Purchase Order Total (For Project Purchase Orders Costing \$100,000.00 and greater)		2 %

ATTACHMENT B

CITY OF ST. AUGUSTINE BEACH AFFIDAVIT

Bidder shall complete and submit a sworn statement as part of the submitted Bid. This sworn statement shall be an Affidavit in the following form, executed by an officer/principal of the Bidder, and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF _____

CITY OF _____

The Undersigned authority, _____ (“Affiant”), who being duly sworn, deposes and states that he/she is the _____ (Title) of the Bidder _____ (Full Legal Name of Bidder) submitting the attached Bid for the services provided in the Bid Documents for Bid No: 23-07; CITYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES, in City of St. Augustine Beach, Florida.

The Affiant further states that no more than one Bid for the above-referenced project will be submitted from the Bidder, the Affiant, their 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. Affiant also states that neither he/she, the firm, association nor corporation of the Bidder has either directly or indirectly entered into any agreement, participated in any collusion, nor 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.

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name of Affiant

Printed Title of Affiant

Full Legal Name of Consultant/Contractor

Sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, 20____, by _____, who is personally known to me or has produced _____ as identification.

Notary Public

My Commission Expires: _____

BIDDER MUST EXECUTE AND ATTACH THIS AFFADAVIT TO SUBMITTED BID.

ATTACHMENT C

CERTIFICATES AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the Secretary of the corporation named as Principal in the foregoing; that _____, (Authorized Representative of Bidder) who signed the Bond(s) on behalf of the Bidder, was then _____ (Title) of said corporation; that I know his/her signature; and his/her signature thereto is genuine; and that said bond(s) was duly signed, sealed, and attested to on behalf of said corporation by authority of its governing body.

Signature of Secretary

Full Legal Name of Corporation (Bidder)

STATE OF _____

CITY OF _____

Before and by me, a Notary Public duly commissioned, qualified and acting personally, being duly sworn upon oath by means of ☐ physical presence or ☐ online notarization, _____ (Authorized Representative of Bidder) states that he/she is authorized to execute the foregoing Bid Bond on behalf of the Bidder named therein in favor of City of St. Augustine Beach, Florida.

Subscribed and sworn to me on this ____ day of _____, 2022, by the Authorized Representative of Bidder, who is personally known to me or has produced _____ as identification. Type and Number of I.D. produced: _____.

Notary Public
My Commission Expires: _____

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

ATTACHMENT D

CONTRACTOR'S QUALIFICATIONS STATEMENT

I, _____ hereby certify that _____
(Authorized Company Representative Name & Title) (Full Legal Company Name)

has performed and is licensed in the State of Florida as a Certified Underground Utility and Excavation Contractor (CUC). I also certify that the above named company is capable of bonding any Purchase Order in excess of \$100,000.00 in value and shall perform the scope of work in accordance with the specifications stated in this Bid and that all information being submitted in response to this request is true and accurate to the best of my knowledge.

Authorized Bidder Representative:

Signature

Date

Name & Title of Representative

ATTACHMENT E

LICENSE / CERTIFICATION LIST

Bidder shall list all **current** licenses and certifications held by the firm and/or Key Personnel of the Bidder. Failure to demonstrate any required licenses or certifications which are stated as a minimum qualification, shall be grounds for disqualification and removal from further consideration. A copy of each license or associated document(s) shall be attached to this form and submitted with the Bid.

License(s)/Certificate(s)/ Pre-Qualifications	License #	Issuing Agency	Expiration Date
State of Florida Business License			
Certified Underground Utility and Excavation Contractor (CUC)			

ATTACHMENT F

**CITY OF ST. AUGUSTINE BEACH CITY COMMISSION CONFLICT OF
INTEREST DISCLOSURE FORM**

Project (RFQ, RFP, BID) Number/Description: Bid No 23-07; CITYWIDE PIPE AND MANHOLE LINING, RENEWAL
& REHABILITATION SERVICES

The term “conflict of interest” refers to situations in which financial or other considerations may adversely affect or have the appearance of adversely affecting a consultant’s/contractor’s professional judgment in completing work for the benefit of City of St. Augustine Beach (“City”). The bias such conflicts could conceivably impart may inappropriately affect the goals, processes, methods of analysis or outcomes desired by the City.

Consultants/Contractors are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the benefit of the City. Consultants/Contractors, therefore, must avoid situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting the consultant’s/contractor’s professional judgement when completing work for the benefit of the City.

The mere appearance of a conflict may be as serious and potentially damaging as an actual distortion of goals, processes, methods of analysis or outcomes. Reports of conflicts based upon appearances can undermine public trust in ways that may not be adequately restored even when the mitigating facts of a situation are brought to light. Apparent conflicts, therefore, should be disclosed and evaluated with the same vigor as actual conflicts.

It is expressly understood that failure to disclose conflicts of interest as described herein may result in immediate disqualification from evaluation or immediate termination from work for the City.



Please check the appropriate statement:

- ☐ I hereby attest that the undersigned Respondent has no actual or potential conflict of interest due to any other clients, contracts, or property interests for completing work on the above referenced project.
- ☐ The undersigned Respondent, by attachment to this form, submits information which may be a potential conflict of interest due to other clients, contracts or property interests for completing work on the above referenced project.

Full Legal Name of Bidder: _____

Authorized Representative(s) :	_____	_____
	Signature	Print Name/Title
	_____	_____
	Signature	Print Name/Title

City of St. Augustine Beach City Commission

ATTACHMENT G

DRUG-FREE WORKPLACE FORM

The undersigned firm, in accordance with Florida Statute 287.087 hereby certifies that

_____ does:
Name of Firm

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the danger of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the contractual services that are described in City of St. Augustine Beach's request for proposals a copy of the statement specified in paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the contractual services described in paragraph 3, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Florida Statute 893, as amended, or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction or plea.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
6. Consistent with applicable provisions with State or Federal law, rule, or regulation, make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 through 5.

As the person authorized to sign this statement, I certify that this firm complies fully with the above requirements.

Signature

Date

ATTACHMENT H

CERTIFICATE(S) OF INSURANCE

(Attach or insert copy here)

Respondents shall provide certificates of insurance as part of their submittal package. Certificates of insurance shall meet or exceed the requirements as described under Insurance.

Failure to provide proof of current insurance coverage or ability to obtain the required coverages may result in being deemed non-responsive and removed from further consideration.

ATTACHMENT I

CLAIMS, LIENS, LITIGATION HISTORY

(Complete and Submit)

1. Within the past 7 years, has your organization filed suit or a formal claim against a project owner (as a prime or subcontractor) or been sued by or had a formal claim filed by an owner, subcontractor or supplier resulting from a construction dispute? Yes _____ No _____ If yes, please attach additional sheet(s) to include:

Description of every action Captions of the Litigation or Arbitration

Amount at issue: _____ Name (s) of the attorneys representing all parties:

Amount actually recovered, if any: _____

Name(s) of the project owner(s)/manager(s) to include address and phone number:

2. List all pending litigation and or arbitration.

3. List and explain all litigation and arbitration within the past seven (7) years - pending, resolved, dismissed, etc.

4. Within the past 7 years, please list all Liens, including Federal, State and Local, which have been filed against your Company. List in detail the type of Lien, date, amount and current status of each Lien.

5. Have you ever abandoned a job, been terminated or had a performance/surety bond called to complete a job?

Yes _____ No _____ If yes, please explain in detail:

6. For all claims filed against your company within the past five-(5) years, have all been resolved satisfactorily with final judgment in favor of your company within 90 days of the date the judgment became final? Yes ____ No ____ If no, please explain why? _____

7. List the status of all pending claims currently filed against your company:

Liquidated Damages

1. Has a project owner ever withheld retainage, issued liquidated damages or made a claim against any Performance and Payment Bonds? Yes _____ No _____ If yes, please explain in detail:

(Use additional or supplemental pages as needed)

ATTACHMENT J

SWORN STATEMENT UNDER SECTION 287.133(3)(A), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

(To be signed in the presence of notary public or other officer authorized to administer oaths.)

Before me, the undersigned Authority, personally appeared affiant _____, who, being by me first duly sworn, made the following statement:

1. The business address of _____ (name of Offeror or business) is _____.
2. My relationship to _____ (name of Offeror or business) is _____ (relationship such as sole proprietor, partner, president, vice president).
3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any proposal or contract for goods or services to be provided to any public entity or such an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy or material misrepresentation.
4. I understand that "convicted" or "conviction" is defined by the Florida Statutes to mean a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilt or nolo contendere.
5. I understand that "affiliate" is defined by the Florida Statutes to mean (1) a predecessor or successor of a person or a corporation convicted of a public entity crime, or (2) an entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime, or (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate, or (4) a person or corporation who knowingly entered into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.
6. Neither the Offeror or contractor, nor any officer, director, executive, partner, shareholder, employee, member or agent who is active in the management of the Offeror or contractor, nor any affiliate of the Offeror or contractor has been convicted of a public entity crime subsequent to July 1, 1989. (Draw a line through paragraph 6 if paragraph 7 below applies.)
7. There has been a conviction of a public entity crime by the Offeror or contractor, or an officer, director, executive, partner, shareholder, employee, member or agent of the Offeror or contractor who is active in the management of the Offeror or contractor or an affiliate of the Offeror or contractor. A determination has been made pursuant to Section 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest for the name of the convicted person or affiliate to appear on the convicted vendor list. The name of the convicted person or affiliate is _____. A copy of the order of the Division of Administrative Hearings is attached to this statement. **(Draw a line through paragraph 6 if paragraph 7 above applies.)**

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name of Affiant

Printed Title of Affiant

Full Legal Name of Consultant/Contractor

Sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20____, by _____, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

ATTACHMENT K

NON-COLLUSION CERTIFICATION

City of St. Augustine Beach requires, as a matter of policy, that any Firm receiving a contract or award resulting from the Request for Qualification issued by City of St. Augustine Beach shall make certification as below. Receipt of such certification, under oath, shall be a prerequisite to the award of contract and payment thereof.

I (we) hereby certify that if the contract is awarded to me, our firm, partnership or corporation, that no members of the elected governing body of City of St. Augustine Beach nor any professional management, administrative official or employee of the City, nor members of his or her immediate family including spouse, parents or children, nor any person representing or purporting to represent any member or members of the elected governing body or other official, has solicited, has received or has been promised, directly or indirectly, any financial benefit including but not limited to a fee, commission, finder's fee, political contribution, goods or services in return for favorable review of any Qualifications submitted in response to the Request for Qualification or in return for execution of a contract for performance or provision of services for which Qualification are herein sought.

Handwritten Signature of Authorized Principal(s):

NAME (print): _____

SIGNATURE: _____

TITLE: _____

DATE: _____

NAME OF FIRM/PARTNERSHIP/CORPORATION:

ATTACHMENT L

E-VERIFY AFFIDAVIT

STATE OF _____
CITY OF _____

I, _____ (hereinafter "Affiant"), being duly authorized by and on behalf of _____ (hereinafter "Consultant/Contractor") hereby swears or affirms as follows:

1. Consultant/Contractor understands that E-Verify, authorized by Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), is a web-based system provided by the United States Department of Homeland Security, through which employers electronically confirm the employment eligibility of their employees.
2. For the duration of Contract No. _____ (hereinafter "Agreement"), in accordance with section 448.095, F.S., Consultant/Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Consultant/Contractor and shall expressly require any subcontractors performing work or providing services pursuant to the Agreement to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor.
3. Consultant/Contractor shall comply with all applicable provisions of section 448.095, F.S., and will incorporate in all subcontracts the obligation to comply with section 448.095, F.S.
4. Consultant/Contractor understands and agrees that its failure to comply with all applicable provisions of section 448.095, F.S. or its failure to ensure that all employees and subcontractors performing work under the Agreement are legally authorized to work in the United States and the State of Florida constitute a breach of the Agreement for which City of St. Augustine Beach may immediately terminate the Agreement without notice and without penalty. The Consultant/Contractor further understands and agrees that in the event of such termination, Consultant/Contractor shall be liable to the City of St. Augustine Beach for any costs incurred by the City of St. Augustine Beach resulting from Consultant/Contractor's breach.

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name of Affiant

Printed Title of Affiant

Full Legal Name of Consultant/Contractor

Sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, 20____, by _____, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

ATTACHMENT M

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 City of St. Augustine Beach Trenching and Excavation Safety Program. If there is a conflict between the ACT and the City of St. Augustine Beach 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

BID BOND

STATE OF FLORIDA
CITY OF ST. JOHNS

KNOW ALL MEN BY THESE PRESENTS, that _____ as Principal, and _____ as Surety, are held and firmly bound unto City of St. Augustine Beach, Florida, in the penal sum of **Five Thousand Dollars (\$5,000.00)** 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 23-07: CITYWIDE PIPE AND MANHOLE LINING. RENEWAL & REHABILITATION SERVICES

City of St. Augustine Beach, Florida

NOW THEREFORE,

- (a) If the Principal shall not withdraw said Bid within ninety (90) 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 City 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 City the difference between the amount specified, in said Bid and the amount for which the City 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.

BID NO: 23-07

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

SPECIFICATIONS

**BID NO.: 23-07; CITYWIDE PIPE AND MANHOLE LINING,
RENEWAL & REHABILITATION SERVICES**

SCOPE OF WORK

The work consists of furnishing all labor, materials and equipment required to install cured-in-place pipe lining and renew and rehabilitate stormwater drainage pipe of various shapes and sizes and drainage structures of various shapes and sizes on an as-needed basis through issuance of purchase orders for each project. The scope includes providing pre- and post-inspection reports, bypass pumping and performing other miscellaneous repairs.

The specifications below establish minimum standards of quality for projects under the resulting contract. They do not purport to cover all details entering into project design and construction.

The Contractor is advised that equipment arrangements may vary with different manufacturers and the Contractor is responsible at no cost to the City for making the changes necessary to accommodate specific equipment required to complete each project.

Omission of a specific item or component part of a system obviously necessary for the proper functioning of the system will not relieve the Contractor of the responsibility of furnishing the item as part of the work at no additional cost to the City.

I. INSPECTION SERVICES

The authorized representative of all applicable Federal and/or State agencies, including US Environmental Protection Agency (EPA), US Army Corps of Engineers, and Florida Department of Environmental Protection (FDEP), must be permitted to inspect all work, materials, payrolls, records of personnel, invoice of materials, and other relevant data and records. The City and authorized representatives must be permitted free access and every reasonable facility for the inspection of all work and materials, including the removal or uncovering of such portions of the finished work as may be directed. The City and authorized representative must also be permitted to inspect payrolls, invoices of materials and other relevant data and records.

II. INSPECTION OF WORK AWAY FROM SITE

If work to be done away from the construction site is to be inspected on behalf of the City during its fabrication, manufacture or testing or before shipment, the Contractor must give notice to the Engineer of the time and place where such fabrication, manufacturing, testing or shipping is to be done. Such notice must be in writing and delivered to the Engineer in ample time so that the necessary arrangements for the inspection can be made.

III. TESTING LABORATORY SERVICES

It shall be the Contractor's responsibility to make arrangements for testing laboratory. Payment for testing to show compliance with specified requirements will be the responsibility of the Contractor.

IV. TEMPORARY FACILITIES AND CONTROLS

This section specifies the minimum requirements for temporary facilities, utilities to be brought to the site, refuse/waste collection and control required to enable the construction project progression as per approved schedule. Adequate facilities provision to ensure project progression at every stage of work performance is the Contractor's sole responsibility and is not limited by the requirements of this section. The City's authorized representative will determine the adequacy of contractor facilities.

Except as otherwise indicated, the Contractor may, at his option, provide stand-alone utility plants to provide needed services, in lieu of connected services from available public utilities, provided such stand-alone plant facilities comply with governing regulations. Prior to availability of temporary utility services, the Contractor shall provide trucked-in/trucked-out containerized or unitized services for startup of construction operations at the site.

Except as otherwise indicated, the costs of providing and using temporary utility services must be included in the Contract Sum for the project.

TEMPORARY FACILITIES

The types of utility services required for general temporary use at the project site include the following (other specific services may be required for specific construction methods or operations):

- Electrical Power Service
- Water Service (potable for certain uses)
- Sanitary wastewater or
- Stormwater Open Drainage/Run-off Control
- Refuse/Waste Collection

Temporary Electricity:

The Contractor must make necessary applications and arrangements and pay all fees and charges for electrical energy for power and light necessary for proper completion of the work and during its entire progress up to time of final acceptance by the City. The Contractor is responsible for payment of all temporary switches, connections and meters.

Temporary Water:

The Contractor must make all necessary application and arrangements and pay all fees and charges for water necessary for the proper completion of the project up to the time of final acceptance. The Contractor is responsible for payment of any temporary piping and connections.

Temporary Sanitary Facilities:

The Contractor must provide adequate sanitary facilities for the use of those employed on the work site. Such facilities must be made available when the first employees arrive on the site of the work, must be properly secluded from public observation, i.e., hidden from sight, and must be constructed and maintained during the progress of the work in suitable numbers and at such points and in such manner as may be required or approved by authorized City representative.

The Contractor must provide these portable sanitary facilities “on-site” for use by workers. Transporting workers to the nearest “public” sanitary facility is considered an unacceptable alternative to these requirements.

The Contractor must maintain the sanitary facilities in a satisfactory and sanitary condition at all times and must enforce their use. The Contractor must rigorously prohibit the committing of nuisances on the site of the work, on the lands of the City, or on adjacent property. The cost of providing these sanitary facilities must be included in the Contractor’s applicable pay items of work and no separate payment will be made thereof.

Termination and Removal:

At the time the need for temporary utility service or a substantial portion thereof has ended, or when its service has been replaced by use of permanent services, or not later than the time of substantial completion, the Contractor must promptly remove the installation unless requested by the Engineer to retain it for a longer period. The Contractor must complete and restore work which may have been delayed or affected by the installation and use of the temporary utility, including repairs to construction and grades and restoration and cleaning of exposed surfaces. The Contractor must replace work damaged beyond acceptable restoration.

TEMPORARY CONTROLS

Noise Control:

The Contractor must comply with St. Johns City Ordinance 2015-19 and provide adequate protection against objectionable noise levels caused by the operation of construction equipment.

Dust and Sedimentation Control:

The Contractor must provide for adequate protection against raising objectionable dust clouds caused by moving construction equipment, high winds or any other cause. In accordance with FDEP Rule 62-621.300(2)(a), Florida Administrative Code (F.A.C.), minimize off-site vehicle tracking of sediments onto paved surfaces and the generation of dust so as to prevent the potential for water quality violations and offsite sedimentation. If sediment escapes the construction site, remove off-site accumulations of sediment at a frequency sufficient to minimize off-site impacts.

Water Control:

The Contractor must provide for satisfactory disposal of surplus water and must submit a plan to the Engineer for his review prior to initiation and implementation of the plan. Prior approval must be obtained from the proper authorities for the use of public or private lands or facilities for such disposal. Subsection 62-302.530(18), Florida Administrative Code (F.A.C.) limits the discharge of chlorine to surface water bodies to < 0.01 milligram per liter (mg/L). Prior to disposal, surplus water shall be tested at a minimum for Free Chlorine Residual (FCR) and pH. FCR and pH levels will influence disposal options. In no instance shall FCR or pH exceed minimum acceptable requirements established by proposed receiving facility. Maximum FCR less than or equal to 0.01 mg/L and pH ranges between 6.5 and 8.5 s.u.

Water Temperature Limits:

The Contractor must abide by Subsection 62-302.50, Florida Administrative Code (F.A.C.) regarding thermal surface water criteria. In accordance with Subsection 62-302.50(4)(a) F.A.C., no heated water with a temperature above 90° F shall be discharged into any fresh waters in Northern Florida regardless of the ambient temperature of the receiving body of water (RBW).

Pollution Control:

In accordance with FDEP Rule 62-621.300(4)(a), FAC, the Contractor must provide for adequate protection against polluting any public or private lands, lakes, ponds, rivers, streams, creeks, and other such areas, by the disposal of surplus material in the form of solids, liquids, or gases or from any other cause via installation of perimeter controls. The Contractor must provide for adequate refuse/waste collection and disposal as described in Part IV, Temporary Facilities and Controls and in accordance with FDEP Rule 62-701.730, Florida Administrative Code.

The Contractor must evaluate and assess the impact of any adverse effects on the natural environment which may result from construction operations and must operate to minimize pollution of air, ground or surface waters vegetation, and afford the neighboring community the maximum protection during and up to completion of the construction project.

The Contractor must take sufficient precautions to prevent pollution of streams, lakes and reservoirs with fuels, oils, bitumens, calcium chloride or other harmful materials. The Contractor must conduct and schedule operations so as to avoid or otherwise prevent pollution of siltation of streams, lakes and reservoirs and to avoid interference with movement of migratory fish.

All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant or of other classification, must show approval of either the Environmental Protection Agency (EPA) or the United States Department of Agriculture (USDA). Use of all such chemicals and disposal of residues must be in strict conformance with instructions.

Erosion Control:

The Contractor must not expose, by construction operations, a larger area of erosive land at any one time than the minimum necessary for efficient construction operations, and the duration of exposure of the uncompleted construction to the elements must be as short as practicable.

Erosion control features must be constructed concurrently with other work and at the earliest practicable time.

V. STORAGE FACILITIES

All products, materials and equipment must be stored in accordance with the manufacturer's instructions, with seals and labels intact and legible. Products subject to damage by the elements must be stored in weathertight enclosures.

Temperature and humidity must be maintained within the ranges required by the manufacturer's instructions. Fabricated products must be stored above the ground on blocking or skids. Products which are subject to deterioration must be covered with impervious coatings with adequate ventilation to avoid condensation. Loose granular materials must be stored in a well-drained area on solid surfaces to prevent mixing with foreign matter. Any products which will come in contact with potable water must be stored off the ground so as to prevent contamination.

Storage must be arranged in such a manner to provide easy access for inspection. Periodic inspections must be made of all stored products to assure that they are maintained under specified conditions, and free from damage or deterioration.

After installation, Contractor must provide substantial coverings as necessary to installed products to protect from damage from traffic and subsequent construction operations. Coverings must be removed when no longer needed.

VI. MOBILIZATION/DEMobilIZATION

Mobilization shall consist of the preparatory work and operations in mobilizing for beginning work and demobilizing upon completion of work on any project, including, but not limited to, overhead, general conditions, and those operations necessary for the movement of personnel, equipment, supplies and incidentals to the project site, and for the establishment of safety equipment and first aid supplies, sanitary and other facilities, as required by these Specifications, as well as any and all applicable Federal, State and Local laws and regulations.

The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for use of his employees as may be necessary to comply with the regulations of the public bodies having jurisdiction.

VII. PRESERVATION OF PROPERTY

The Contractor must preserve from damage all property along the line of the work, or which is in the vicinity of or in any wise affected by the work, the removal or destruction of which is not called for by the plans. Wherever such property is damaged due to the activities of the Contractor, it must be immediately restored to its original condition by the Contractor at no cost to the City.

In case of failure on the part of the Contractor to restore such property, or make good such damage or injury, the City may, after 48 hours' notice to the Contractor, proceed to repair, rebuild or otherwise restore such property as may be deemed necessary and the cost thereof will be deducted from any monies due or which may become due the Contractor under this Contract.

The Contractor will be responsible for the protection of property, in the areas in the vicinity of the project; and for the protection of Contractor owned equipment, supplies, materials and work, against any damage resulting from the elements, such as flooding, by rainstorm, wind damage, or other elemental cause resulting from the project configuration. The Contractor must take all precautions against any such damage occurrence and will be responsible for damage resulting from same. The Contractor must provide adequate drainage facilities, tie-downs, or other protection, throughout the Contract period, for the protection of the Contractor's, the City's, and other properties from such damage.

VIII. TRAFFIC REGULATION

Signs, marking barricades, and procedures must conform to the requirements of the Florida Department of Transportation Manual on Traffic Controls and Safe Practices for Street and Highway Construction, Maintenance and Utility Operations.

The Contractor must maintain one-lane, two-way traffic at all times and maintain customer access to local businesses at all times throughout the course of the work.

The Contractor must provide and maintain adequate barricades, construction signs, torches, flashers, guards, and flagmen as required in pedestrian and vehicular traffic areas. Regulations of local authorities must be complied with.

The Contractor must provide suitable crossings at street intersections and driveways and supply such aid as may be required for pedestrians and motorists, including delivery vehicles, to safely negotiate the construction areas.

The Contractor must carry on the work in a manner that will cause the least interruption in traffic. Closing to through

travel of more than two consecutive blocks, including the cross streets intersected, will not be permitted without specific authorization from the local authorities. Where traffic must cross open trenches, the Contractor must provide suitable bridges at street intersections and driveways and provide adequate ingress and egress to dwellings, business facilities, utilities and services. At any time the streets are required to be closed, the Contractor must notify, in writing, law enforcement agencies, fire departments, and parties operating emergency vehicles before the street is closed and again as soon as it is opened. Access to fire hydrants and other fire extinguishing equipment must be provided and maintained at all times.

- Projects with lane Closures require a minimum of 15 days approval and public outreach by the City prior to the first day of the Lane Closure.
- Projects with Road Closures require a minimum of 45 days approval and public outreach by the City prior to the first day of the Road Closure.

On completion of work, the Contractor must remove all debris, excess materials, barricades and temporary work leaving walkways and road clear of obstructions.

IX. MATERIALS

Materials furnished by Contractor must be new and must not have been in service at any other installation unless otherwise provided. Materials must conform to applicable specifications and standards and comply with the size, make, type and quality specified, or as specifically approved in writing by the City's Engineer or authorized representative.

TRANSPORTATION AND HANDLING

Materials must be loaded and unloaded by methods affording adequate protection against damage. Every precaution must be taken to prevent injury to the materials during transportation and handling. Suitable power equipment will be used and the materials must be under control at all times. Under no condition must the materials be dropped, bumped or dragged. When a crane is used, a suitable hook or lift sling must be used. The crane must be so placed that all lifting is done in a vertical plane. Materials skid loaded, palletized or handled on skidways must not be skidded or rolled against materials or equipment already unloaded.

Materials must be delivered to the job site by means that will adequately support it and not subject it to undue stresses. Contractor must promptly inspect the products for damage and defects and conformance with the specification. Materials damaged or injured in the process of transportation, unloading or handling will be rejected and must be immediately removed from the site.

STORAGE AND PROTECTION

All materials must be stored in accordance with the manufacturer's instructions, with seals and labels intact and legible. Items subject to damage by the elements must be stored in weathertight enclosures. Temperature and humidity must be maintained within the ranges required by the manufacturer's instructions. Fabricated items must be stored above the ground on blocking or skids. Items which are subject to deterioration must be covered with impervious coatings with adequate ventilation to avoid condensation. Loose granular materials must be stored in a well-drained area on solid surfaces to prevent mixing with foreign matter. Any items which will come in contact with potable water must be stored off the ground so as to prevent contamination.

Storage must be arranged in such a manner to provide easy access for inspection. Periodic inspections must be made of all stored items to assure that they are maintained under specified conditions, and free from damage or deterioration.

After installation, Contractor must provide substantial coverings as necessary to protect installed items from damage, from traffic, and subsequent construction operations. Coverings must be removed when no longer needed.

X. STORM INFRASTRUCTURE ASSET CLEANING

The Contractor must furnish all labor, materials, equipment, and incidentals required and perform high pressure water

jetting, rodding, brushing, bucketing and flushing of designated storm infrastructure pipes/lines and manholes prior to internal inspection by closed circuit television, testing and chemical grouting operations.

RELATED WORK

- A. Storm infrastructure asset Flow Control and Bypass Pumping is included in Section "X".
- B. Television inspection of storm infrastructure assets is included in Section "XI".

EQUIPMENT

Hydraulic Storm Infrastructure Asset Cleaning Equipment

The equipment used must be of a movable dam type and be constructed so that a portion of the dam may be collapsed at any time during the cleaning operation to protect against flooding of the storm infrastructure asset. The movable dam must be the same diameter as the pipe being cleaned and must provide flexible scraper around the outer periphery to ensure total removal of foreign material. If storm infrastructure asset cleaning balls or other such equipment which cannot be collapsed instantly are used, special precautions against flooding of the storm infrastructure assets and public or private property must be taken.

High Velocity Jet (Hydrocleaning) Equipment

All high velocity storm infrastructure asset cleaning equipment must be constructed for ease and safety of operation. The equipment must have a selection of two or more velocity nozzles. The nozzles must be capable of producing a scouring action from 15 to 45 degrees in all size lines to be cleaned. Equipment must also include a high velocity gun for washing and scouring manhole walls and floor. The gun must be capable of producing flows from a fine spray to a long distance solid stream. The equipment must carry its own water tank, auxiliary engines, pumps and hydraulically driven hose reel. All controls must be located so the equipment can be operated above ground.

Mechanical Cleaning Equipment

Bucket machines must be in pairs and with sufficient power to perform the work in an efficient manner. Machines must be belt operated or have an overload device. Machines with direct drive which could cause damage to the pipe are not acceptable.

Power rodding machines must be either sectional or continuous type capable of holding a minimum of 750-ft of rod. The rod must be specifically treated steel. To ensure safe operation, the machine must have a fully enclosed body and an automatic safety release clutch or relief valve.

Storm infrastructure asset line walls must be cleaned adequately to provide for a camera used in internal inspection to discern structural defects, misalignment and infiltration/inflow sources. Cleaning must be performed immediately prior to internal inspection to preclude the buildup of debris from infiltration/inflow sources and discharges from upstream pipeline sections.

PREPARATION

- A. Selection of cleaning equipment must be based on the conditions of the manhole and storm infrastructure asset lines at the time the work commences.
 - 1. Light cleaning (small amounts of debris existing within the storm infrastructure asset [pipe]): Use balls, scooters, high pressure water jetting (maximum of three passes) equipment, brushes and swabs.
 - 2. Heavy cleaning (large deposits of debris or heavy root growth existing within the storm infrastructure asset [pipe]): Use bucket machines, scrapers and augers. Cleaning which requires more than three passes with hydraulic cleaning equipment to achieve acceptable results must be considered heavy cleaning.
- B. Written authorization must be requested and obtained from the City prior to conducting any heavy cleaning.

Authorization must be required for each individual storm infrastructure asset reach. Heavy cleaning without prior City authorization will not be paid for.

PERFORMANCE

- A. Each designated storm infrastructure manhole section must be cleaned using hydraulically propelled, high velocity jet, or mechanically powered equipment. The equipment selected for cleaning must be capable of removing dirt, grease, rocks, sand, and other deleterious materials and obstructions from the storm infrastructure lines and manholes. If cleaning of an entire section cannot be successfully performed from one manhole, the equipment must be set up on the other manhole and cleaning again attempted. If successful cleaning cannot be performed from the second manhole, or the equipment fails to traverse the entire length between manholes, it will be assumed that a major blockage exists and the cleaning effort must be abandoned. Blockages, if any, must be reported to the Engineer immediately.
- B. During all storm infrastructure asset cleaning operations, satisfactory precautions must be taken to protect the storm infrastructure assets from damage that might be inflicted by the improper use of cleaning equipment. Whenever hydraulically propelled cleaning tools which depend upon water pressure to provide their cleaning force or any tools which retard the flow of water in the storm infrastructure asset are used, precautions must be taken to ensure that the water pressure created does not cause any damage or flooding to public or private property being served by the manhole section involved. The flow of stormwater in the storm infrastructure asset lines must be used to provide necessary pressures for hydraulic cleaning devices whenever possible. When additional quantities of water from fire hydrants are necessary to avoid delay in normal working procedures, the water must be conserved and not used unnecessarily.
- C. No fire hydrant must be obstructed so as to prevent its use in case of a fire in the area served by the hydrant, nor must a hydrant be used for the purpose described unless a vacuum break is provided.
- D. Roots must be removed in the designated sections where root intrusion is a problem. Special precautions should be exercised during the cleaning operation to assure virtually complete removal of visible roots from the joint area. Procedures may include the use of mechanical devices such as rodding machines, expanding root cutters, and porcupines; hydraulic procedures such as high pressure jet cleaners; or chemical root treatment.
- E. Pipeline and manhole sections which have root intrusion may be treated with an EPA approved and labeled herbicide such as RootX (EPA registration #68464-1) OR EQUAL to aid in the removal of roots. The application of the herbicide to the roots must be done in strict accordance with the manufacturer's recommendations and product specifications in such a manner to preclude any damage to the surrounding vegetation. Vegetation damaged for whatever reason must be replaced with identical vegetation. All safety precautions recommended by the manufacturer must be strictly adhered to concerning handling and application of the herbicide.
- F. All sludge, dirt, sand, rocks, grease and other solid or semi-solid residue, debris, and material resulting from cleaning operations must be removed at the downstream manhole of the section of storm infrastructure asset being cleaned. Passing material from manhole section to manhole section which could cause line stoppages, accumulations of sand in wet wells, or damage to pumping equipment must not be permitted.
 - 1. All debris, residue and other materials resulting from cleaning operations must be removed from the site no less often than at the end of each workday and stormwater system debris must be disposed of in accordance with FDEP Memo, *Guidance For The Management Of Street Sweepings, Catch Basin Sediments and Stormwater System Sediments*, Mike Sole, May 18, 2004. Prior to disposal, the stormwater system sediments must be sufficiently dewatered so that they are not considered a liquid pursuant to FDEP Rule 62-701.200(65), F.A.C.. Under no circumstances will the accumulation of debris, residue, etc., on the site beyond the stated time be permitted, unless prior written authorization is given for storage in totally enclosed containers.

2. Acceptance of storm infrastructure asset line cleaning must be contingent on satisfactory completion of the television inspection. If television inspection shows the cleaning to be unsatisfactory, the storm infrastructure asset must be re-cleaned and re-inspected until the cleaning is shown to be satisfactory. In areas where television inspection is not performed, a double squeegee (with each squeegee the same diameter as the storm infrastructure asset) must be pulled cleanly through each section between manholes as evidence of satisfactory cleaning.
3. If internal sealing is to follow the television inspection, particular attention must be given to the adequacy of the cleaning to ensure that proper seating of the sealing packer can be achieved.

XI. BYPASS PUMPING

The work covered by this section consists of providing all labor, equipment, material and supplies, and performing all operations required to bypass pump sewage around a manhole or storm infrastructure section in which work is to be performed. The Contractor must be prepared to bypass pump sewage as part of his operations. The Contractor must provide all pumps, piping, and other equipment necessary to accomplish bypass pumping; perform all construction; obtain all permits; pay all costs; and perform complete restoration of all existing facilities to conditions equal or better than existed prior to construction and to the satisfaction of the Engineer.

All costs to accomplish bypass pumping, at the required volume, and all associated work including restoration, must be considered incidental to the work and no additional compensation will be allowed. Pumps and equipment must be continuously monitored by the Contractor during the periods that pumping and bypassing are required. If pumping is required on a 24-hour basis, the engine must be equipped in a manner to keep noise to a minimum.

For manual operation of pump stations, the Contractor must coordinate such operations with the appropriate City personnel. Plugging or blocking of the flow must only be allowed when the Contractor can demonstrate that the upstream gravity collection system can accommodate the surcharging without any adverse impact.

For manhole repairs, the flow through the manhole must be controlled or blocked completely, as required, to properly complete the repairs as specified.

The Contractor must submit a written plan describing the means and methods for flow control and bypass pumping to the Engineer for review.

PLUGGING AND BLOCKING

A storm infrastructure line plug must be inserted into the line upstream of the section being televised or repaired. The plug must be so designed that all or any portion of the upstream flow can be released. During the television inspections and repair operations, the flow through the line being worked must be reduced to within the maximum limits stated above. After the work has been completed, the flow must be restored to normal.

FLOW CONTROL PRECAUTIONS

When flow in a storm infrastructure line is plugged, blocked or bypassed by the Contractor, sufficient precautions must be taken to protect the public health and to protect the storm infrastructure asset from damage that might result from storm infrastructure asset surcharging. Further, the Contractor must take precautions to ensure that storm infrastructure asset flow control operations do not cause flooding or damage to public or private property being served by the storm infrastructure assets involved and must be responsible for any damage resulting from the flow control operations.

When flow in a storm infrastructure line is plugged or blocked by the Contractor, conditions upstream of the plug must be monitored by the Contractor's representative and the Contractor must be prepared to immediately start bypass pumping, if needed. Any liquid or solid matter, which is bypass pumped from the storm collection system, must be discharged to another storm infrastructure asset manhole or appropriate vehicle or container

only. No such liquid or solid matter must be allowed to be discharged, stored or deposited on the ground, swale, road, storm system, or open environment. The Contractor must protect all pumps, conduit, and other equipment used for bypass pumping from traffic.

Should the liquid or solid matter from the storm collection system be spilled, discharged, leaked or otherwise deposited to the open environment as a result of the Contractor's flow control operations, the Contractor will be responsible for all cleanup and disinfection of the affected area and all costs associated with same. The Contractor will also be responsible for notifying the storm system operating personnel and appropriate regulatory agencies and performing all required cleanup operations at no additional cost to the City.

XII. TELEVISION INSPECTION -- INFRASTRUCTURE

- A. Each designated section must be visually inspected by means of a closed-circuit television. The inspection will be done one section at a time, and the section being inspected will be suitably isolated from the remainder of the storm infrastructure system as required.
- B. Video recordings must be made of the television inspections, and both copies of the recordings and printed inspection logs must be supplied to the City.

EQUIPMENT

The television camera used for the inspection must be one specifically designed and constructed for such inspection. Lighting for the camera must be suitable to allow a clear picture for the entire periphery of the pipe. The camera must be operative in 100 percent humidity conditions. The camera, television monitor, and other components of the video system must be capable of producing a minimum 500 line resolution video picture. Picture quality and definition must be to the satisfaction of the Engineer. The Lighting System must minimize reflective glare.

PERFORMANCE

- A. The camera must be moved through the line in either direction at a uniform rate, stopping when necessary to insure proper documentation of the storm infrastructure asset's condition, but in no case will the television camera be pulled at a speed greater than 30 feet per minute (fpm). Manual winches, power winches, TV cable, and powered rewinds or other devices that do not obstruct the camera view or interfere with proper documentation of the storm infrastructure asset conditions must be used to move the camera through the storm infrastructure asset. If, during the inspection operation the television camera will not pass through the entire manhole section, the Contractor must re-set up the equipment in a manner so that the inspection can be performed from the opposite manhole. If, again, the camera fails to pass through the entire section, the Contractor must remove the obstruction by excavation and replacement of that section of pipe, as specified herein.
- B. Whenever non-remote powered and controlled winches are used to pull the television camera through the line, telephones, radios, or other suitable means of communication must be set up between the two manholes of the section being inspected to ensure that good communications exist between members of the crew.
- C. The accuracy of the measurements cannot be stressed too strongly. Measurement for location of defects must be above ground by means of a meter device. Marking on cable, or the like, which would require interpolation for depth of manhole, will not be allowed. Measurement meters will be accurate to two tenths of a foot over the length of the section being inspected. Accuracy of the measurement meters must be checked daily by use of a walking meter, roll-a-tape or other suitable device.
- D. Documentation of the television results must be as follows:

- 1. Television Inspection Logs

Printed location records must be kept by the Contractor and will clearly show the location, in relation to

adjacent manholes, of each source of infiltration discovered. In addition, other data of significance including the locations of building and house service connections, along with an estimation of infiltration from such services, joints, unusual conditions, roots, storm system connections, collapsed sections, presence of scale and corrosion and other discernible features will be recorded and a copy of such records will be supplied to both the City and the Engineer.

2. Video recordings of the data on the television monitor must be made by the Contractor, copies of which must be furnished to the City in a flash drive or other electronic or media format approved by the City.

XIII. CURED-IN-PLACE PIPE LINER

The Contractor must furnish all labor, materials, equipment and incidentals required to install cured-in-place pipe (CIPP) lining as per pipe size, location, and other specifics, as indicated herein.

RELATED WORK

- A. Storm infrastructure asset pipe [and manhole] cleaning is included in Section "IX".
- B. Television inspection of pipelines is included in Section "XI".
- C. Maintenance of flows and bypass pumping is included in Section "X".

SUBMITTALS

The Contractor must submit the following to the City prior to commencement of work:

1. Specific product details addressing conformity to the Product & Installation Standards (see below) for each type of liner and size intended to be used on the project, including a reference table which shows the location and size of each pipe which is to be lined and the corresponding liner type, thickness and manufacturer information.
2. Engineered calculations for load bearing for liners needing to supplement or replace the structural integrity of the existing pipes. Liner thicknesses which have been assigned in the bid table or other bid reference, must be the minimum wall thickness of the liner; however, the liner thickness must be increased as needed to meet the loading needs based on site conditions live and dead loads and this thickness increase will be at no additional cost to the Owner.

PRODUCT & INSTALLATION STANDARDS

- A. Cured in place pipe lining products and installation must meet the following American Society for Testing and Materials (ASTM) standards:
 1. ASTM D790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 2. ASTM D2412 - Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
 3. ASTM F1216 - Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin Impregnated Tube
 4. ASTM F1743 - Standard Practice for Rehabilitation of Existing Pipelines and Conduits by Pulled-in-Place Installation of Cured-in-Place Thermosetting Resin Pipe (CIPP)
- B. Where reference is made to one of the above standards, the revision in effect at the time of the bid opening must apply.

QUALITY ASSURANCE

- A. The Contractor performing the lining work must be fully qualified, experienced, and equipped to complete this work expeditiously and in a satisfactory manner. Submit the following information for review and approval at the time of bid submittal:
 - 1. The number of years of experience in performing pipe lining projects.
 - 2. The name of the lining manufacturer and supplier for this work and previous work listed below. The Contractor must be an approved installer as certified and/or licensed by the liner manufacturer.
 - 3. A list of municipal clients that the Contractor has performed this type of work for without defects or performance problems.
 - a. The list must contain names and telephone numbers of persons to be called to verify previous satisfactory performance.
 - b. A full description of the actual work performed.
 - c. The list of municipal clients and description of projects must include the approximate liner footage (LF) of lining work completed. Provide a sufficient number of references to total 50,000 LF or more of lining work completed to date.
- B. The Contractor must also be capable of providing crews as needed to complete the work without undue delay and must begin work within [7] days from authorized notice to proceed.
- C. The City must approve or disapprove the Contractor and/or manufacturer based on the submitted information and a follow up interview.
- D. The CIPP liner must be provided by a single manufacturer. The supplier must be responsible for the provision of all test requirements specified herein as applicable. In addition, all liner to be installed under this Contract may be inspected at the plant for compliance with this Section by an independent testing laboratory provided by the City, at City's own expense. The Contractor must require the manufacturer's cooperation in these inspections. The cost of plant inspection will be the responsibility of the City.
- E. Inspection of the liner may also be made by the Engineer or other representative of the City after delivery. The liner must be subject to rejection at any time on account of failure to meet any of the requirements specified, even though sample liner may have been accepted as satisfactory at the place of manufacture. Liner rejected after delivery must be marked for identification and must be removed from the job site at once.

DELIVERY, STORAGE AND HANDLING

- A. Care must be taken in shipping, handling and storage to avoid damaging the liner. Extra care must be taken during cold weather construction. Any liner damaged in shipment must be replaced as directed by the Engineer.
- B. Any liner showing a split or tear, or which has received a blow that may have caused damage, even though damage may not be visible, must be marked as rejected and removed at once from the job site.
- C. The liner must be maintained at a proper temperature in refrigerated facilities to prevent premature curing at all times prior to installation. The liner must be protected from UV light prior to installation. Any liner showing evidence of premature curing will be rejected for use and will be removed from the site immediately.

PROJECT/SITE REQUIREMENTS

- A. The Contractor must provide all necessary Maintenance of Traffic (MOT) controls, including flaggers, in accordance with the Standards of the Florida Department of Transportation.
- B. The Contractor must minimize impacts to residents and businesses during the pipe cleaning and lining operation and must properly dispose of all waste material and restore all damaged property caused by the Contractor or its sub-contractors.

GUARANTEE

All lining work must be fully guaranteed by the Contractor and manufacturer for a period of [1] year from the date of acceptance. During this period, all serious defects discovered by the City must be removed and replaced in a satisfactory manner at no additional cost to the City. The City may conduct an independent television inspection, at the City's own expense, of the lining work prior to the completion of the [1] year guarantee period.

MATERIALS

- A. The liner must be composed of tubing material consisting of one or more layers of a flexible non-woven polyester with or without additives such as woven fiberglass or other fibers. The felt tubing must be impregnated with a thermosetting polyester resin and catalyst, vinyl ester and catalyst or epoxy resin and hardener. The liner material and resin must be completely compatible. The outside layer of the tube must be coated with an impermeable material compatible with the resin and fabric.
- B. The liner must be capable of fitting into irregularly shaped pipe sections and through bends and dips within the pipeline.
- C. The liner must be able to cure in the presence of water at a temperature of 180 degrees Fahrenheit (180°F) or less.
- D. When inverted and cured, the liner must form a continuous, tight fitting, hard, impermeable liner which is chemically resistant to chemicals found in stormwater and domestic sewage.
- E. The liner must be chemically resistant to trace amounts of gasoline and other oil products commonly found in municipal storm infrastructure assets and soils adjacent to the storm infrastructure asset to be lined.
- F. The liner must be fabricated to a size that when reformed will tightly fit the storm infrastructure being rehabilitated. Allowance for longitudinal and circumferential expansion must be taken into account when sizing and installing the liner. All dimensions must be field verified by the Contractor prior to delivery of the liner. Field measurements must be used to ensure maximum closure between the new liner and the existing storm infrastructure asset [pipe].
- G. The application of the resin to the felt tubing (wet-out) must be conducted under factory conditions and the materials must be fully protected against UV light, excessive heat and contamination at all times.
- H. The length of the liner must be the length deemed necessary by the Contractor to effectively carry out the insertion of the liner and sealing of the liner at the outlet and inlet manholes. The required length of liner must be verified in the field by the Contractor prior to fabrication.
- I. The liner must be designed, fabricated and installed for the actual conditions encountered for this application and must comply with the following minimum conditions:
 - 1. Temperature: 40 to 150 degrees Fahrenheit

2. Maximum long term deflection: 5 percent (%)
3. The liner must be designed to support all loads produced by backfill (120 lbs. /sq. ft.), American Association of State Highway Transportation Officials (AASHTO) H-20 or HS-20 loading, i.e., truck axle loading of 32,000 lbs, or wheel loading of 16,000 lbs. and a hydrostatic loading from groundwater elevation at grade.
4. The liner must be watertight.

J. The cured liner must have the following minimum structural properties:

<u>Property</u>	<u>Test Method</u>	<u>Minimum Standard</u>
Flexural Strength	ASTM D790	4,500
Flexural Modulus	ASTM D790	250,000

INSTALLATION

- A. Clean each length of pipe to be lined and dispose of any resulting material as specified in Section “IX”, Storm infrastructure asset cleaning.
- B. Conduct a videotaped color television inspection of each length of pipe to be lined in accordance with Section “XI”.
- C. The Contractor must provide bypass pumping of flows in accordance with Section 01800.
- D. Furnish and install the liner in the full length of storm infrastructure asset as shown on the Drawings. The installation of the liner must be in complete accordance with the applicable provisions herein and the manufacture's installation requirements.
- E. For each length of liner installed, remove specimens of at least 24-inch length for testing of flexural properties. The specimens must be cut from a section of installed and reformed liner at an intermediate point or the termination point of the installation.
- F. All cutting and sealing of the liner at manhole connections must provide watertight pipe and manhole trough seals. Following installation of the liner, conduct a final videotaped color television inspection of the completed work. Copies of these tapes and the videotapes made prior to the liner installation must be submitted to the Engineer for approval and must be retained by the City and/or Engineer.

FIELD TESTING AND ACCEPTANCE

- A. Thoroughly clean all new manholes of all silt, debris and foreign matter of any kind, prior to final inspections.
- B. Field acceptance of the liner must be based on the Engineer's evaluation of the installation including TV videotapes and a review of certified test data for the installed pipe samples.
- C. Groundwater infiltration of the liner must be zero.
- D. There must be no evidence of splits, cracks, breaks, lifts, kinks, delaminations, or crazing in the liner.
- E. If any defective liner is discovered after it has been installed, it must be removed and replaced with either a sound liner or a new pipe at no additional cost to the Owner.

XIV. RESTORATION OF SURFACE IMPROVEMENTS

The work includes the restoration of driveways, lawn areas, trees and plants, roadways, sprinkler systems, walks and any other existing improvement affected by the proposed work.

This section includes furnishing equipment, labor and materials, and performing all necessary and incidental operations to perform the required work.

Standards. Florida Grades and Standards for Nursery Plants, Part 1.

SOD

Sod used for restoration must match the existing sod in the area. St. Augustine sod must be replaced with St. Augustine Floratam. In areas without irrigation, Argentina Bahia sod must be used, unless otherwise directed by the Engineer/Landscape Architect.

Sod must have well matted roots.

The sod must be sufficiently thick to secure a dense stand of live grass, with a minimum thickness of two-inches. The sod must be live, fresh and uninjured at the time of planting

The sod must be commercial size rectangles measuring 12-inches by 24-inches or larger, except where 6-inch strip sodding is called for on the drawings.

Sod must be planted as soon as possible after being harvested and must be shaded and kept moist from the time of harvesting until it is planted.

The source of the sod may be inspected and approved by the Engineer/Architect prior to construction.

PLANTS

Existing damaged plants must be replaced by plants of equal type, quality and size whenever possible. All new plants must be sound, healthy, vigorous and free from defects, decay, disfiguring, bark abrasions, plant diseases, insect pests, insect eggs or larvae. The new plants must be approved by the Engineer/Landscape Architect before placing.

Existing plants may be removed, preserved, and replaced at the Contractor's option, in which case, the plants must be handled and maintained by approved nursery staff.

Plants must be watered and cared for until new growth appears. Dead and dying plants must be immediately replaced.

Plants used must be in accordance with the standards for Florida No. 1 or better, as given in the current "Grades and Standards for Nursery Plants," State of Florida, Department of Agriculture, or their equal as approved by the Engineer/Landscape Architect.

Plants must conform to the sizes indicated by the Owner.

MULCH

Mulch for all planter areas must be shredded cypress or eucalyptus, clean, bright and free from weeds, moss, sticks, and other debris.

WATER

The water used in the performance of this Contract must be of drinking water quality, clean and free from injurious amounts of oil, acid, alkali, organic matter, or any substance which might be harmful to plant growth or obnoxious to traffic.

PLANTING MIXTURE

The planting mixture, when required, must consist of a thorough mixture of 40% peat and 60% sand. The peat must be Florihome peat or equivalent and the sand must be clean and free from debris of any kind.

FERTILIZER

Fertilizer must be granular 8-8-8, or equivalent.

Commercial fertilizers must comply with the State fertilizer laws.

Fertilizer may, at the discretion of the Engineer/Architect, upon satisfactory evidence of its feasibility from the manufacturer, be applied in liquid form.

ASPHALTIC CONCRETE

Asphaltic concrete for surface and base course applications must be Type S-9.5 as specified in the Florida Department of Transportation's Standard Specifications for Road and Bridge Construction latest edition and must be in accordance with the project specifications and plans latest edition.

PORTLAND CEMENT CONCRETE

Portland cement concrete used in the performance of this Contract must have a compressive strength of 3000 psi at 28 days and must conform to the requirements of ASTM C150/C150M – 20, Standard Specification for Portland Cement.

LANDSCAPING RESTORATION

All grass areas disturbed by construction must be restored with the same type of sod as was existing prior to disturbance.

Lawn Areas. Any lawn area affected by the required work must be restored to a condition equal to or better than the conditions existing before the commencement of work.

Balled Plants. Plants where required must be adequately balled with firm natural balls of soil, sized as set forth in "Grades and Standards". Balls must be firmly wrapped with burlap or equally approved strong cloth. No balled plant will be planted if the ball is cracked or broken before or during the process of planting.

Option. Plants may be furnished as container grown instead of balled if all other requirements are met.

Preparation of Plant Pits. All plant pits must be circular in outline and have vertical sides. Tree pits must be two feet wider than the width of the ball and one foot deeper than the depth of the ball. Shrubs that are either B&B or in 3 gallon and under containers must have pits that are one foot wider than the width of the plant ball and 6-inches deeper than the depth of the ball.

Setting Plants. All plants except as otherwise specified, must be centered in pits. Deep planting must be avoided and unless otherwise specified, plants must be set at such a level that after settlement they will bear the same relation to the required grade as they have to the natural grade before being transplanted.

Balled and burlapped plants and palms must be placed on 6-inches to 12-inches of tamped planting mixture and adjusted so as to be at the proper level. The rope and burlap must be cut away and the burlap folded down to the bottom of the pit. Very large B&B plants must remain wrapped until fully backfilled and then just the upper portion of the burlap must be removed. Backfill of planting mix must be placed halfway up the pit and then water tamped. After this water has drained away, backfill around the edge of the pit to form a saucer and fill area three times with water.

Water. Water to be used initially during plant installation must be furnished by the Contractor. The existing irrigation system, where damaged, must be promptly repaired after the installation of the plants.

Sod Placement. The provisions for the preparation of the area to be sodded must include scarifying and loosening the soil and application of fertilizer.

- Sodding must not be performed when weather and soil conditions are, in the Engineer's opinion, unsuitable for proper results.
- The sod must be placed on the prepared surface with edges in close contact and must be firmly and smoothly embedded by light tamping with appropriate tools.
- Where sodding is used in drainage ditches or ponds, the setting of the pieces must be staggered, such as to avoid a continuous seam along the line of flow. Along the edges of such staggered areas, the offsets of individual strips must not exceed 6-inches.
- In order to prevent erosion caused by vertical edges at the outer limits, the outer pieces of sod must be tamped so as to produce a featheredge effect.
- On areas where the sod may slide, due to height and slopes, it must be pegged, with pegs driven through the sod blocks into firm soil and at intervals as shown on the drawings or as directed by the Engineer/Architect.
- Any pieces of sod which, after placing, show appearance of extreme dryness must be removed from the work.
- The sod must be kept in a moist condition after planting and for the duration of the Contract.

Maintenance. Contractor must maintain the planted areas in a satisfactory condition until final acceptance of the project. Such maintenance must include mowing, edging, weed control, watering, filling, leveling and repairing of any washed or eroded areas as may be necessary.

TESTS

The Contractor must furnish facilities for making all density tests and make such restorations as may be necessary due to test operations. All density tests on backfill or base replacement will be made by a commercial testing laboratory employed by the Contractor and at such locations as may be recommended by the Engineer/Architect. If the densities as determined by the specified tests fall below the required minimums, the Contractor must pay for all retests.

XV. CURED IN-PLACE-PIPE LINER BID ITEMS

Bid Item Unit Prices shall include all labor, materials, equipment, mobilization, transportation, testing, dewatering, shoring, surveying, supervision, insurance cost, bond cost, taxes, fees, overhead, and profit that the Contractor will incur by performing the required work.

Bid Item CIPP Light Cleaning and CCTV Inspection (Bid Item Numbers A-1 to A-5)

Measurement: The quantity for payment must be per Linear Feet as measured along the flow line of the pipe for the removal of ¼ diameter or less of dirt, debris, roots and other solid and liquid materials to the extent that closed circuit television inspection can be performed. The removal of roots and/or tuberculation would be considered a separate line item.

Payment: must be per item contract unit price and must be full compensation for all labor, material and equipment for: the pipe cleaning as needed to televise the pipe. A City representative must define the extent of the cleaning to be performed on existing pipes included within a given work authorization.

Bid Item CIPP Medium Cleaning and CCTV Inspection (Bid Item Numbers A-6 to A-10)

Measurement: The quantity for payment must be per Linear Feet as measured along the flow line of the pipe for the removal of $\frac{1}{4}$ to $\frac{1}{2}$ diameter of dirt, debris, roots and other solid and liquid materials to the extent that closed circuit television inspection can be performed. The removal of roots and/or tuberculation would be considered a separate line item.

Payment: must be per item contract unit price and must be full compensation for all labor, material and equipment for: the pipe cleaning as needed to televise the pipe. A City representative must define the extent of the cleaning to be performed on existing pipes included within a given work authorization.

Bid Item CIPP Heavy Cleaning and CCTV Inspection (Bid Item Numbers A-11 to A-15)

Measurement: The quantity for payment must be per Linear Feet as measured along the flow line of the pipe for the removal of greater than $\frac{1}{2}$ diameter of dirt, debris, roots and other solid and liquid materials to the extent that closed circuit television inspection can be performed. The removal of roots and/or tuberculation would be considered a separate line item.

Payment: must be per item contract unit price and must be full compensation for all labor, material and equipment for: the pipe cleaning as needed to televise the pipe. A City representative must define the extent of the cleaning to be performed on existing pipes included within a given work authorization.

Bid Item CIPP Root Removal and CCTV Inspection (Bid Item Numbers A-16 – A-20)

Measurement: The quantity for payment must be per Linear Foot of root material cleared as measured along the flow of the pipe.

Payment: Payment for this item must be per item contract unit price and must be full compensation for all labor, material and equipment for: the pipe cleaning as needed to televise the pipe.

Bid Item CIPP Tuberculation Cleaning and CCTV Inspection (Bid Item Numbers A-21 to A-25)

Measurement: Mechanical Tuberculation/Mineral Deposit Removal must be measured in actual linear feet of storm infrastructure asset mains satisfactorily cleaned by mechanically removing tuberculation/mineral deposit from the interior of the main and de-scaling the main. Measurement must be along the length of the centerline of storm infrastructure asset, which cleaning was performed, between manholes, measured to the nearest foot from inside wall of the manhole to the inside wall of the other manhole and not including the manhole chamber, in accordance with City requirements and specifications.

Payment: Payment will be made at the contract unit price bid per linear feet as stated in the proposal for Mechanical Tuberculation/Mineral Deposit Removal.

Bid Items Furnish & Install Cured-in-Place-Pipe (CIPP) Liner 8-inch to 72-inch (Bid Item Numbers A-26 to A-142)

Measurement: The quantity for payment must be per Linear Feet as measured along the flow line of the pipe (or from inside wall structure termination, between structures) for proper installation of new cured in place liner, with a final installed average wall thickness no less than indicated, with a maximum variation of no more than +/- 10% of specified average liner wall thickness.

Payment: Payment for this item must be per item contract unit price and must be full compensation for all labor, material and equipment and also includes: existing pipe cleaning, material disposal and videotaping pre and post installation.

Bid Items Furnish & Install Cured in Place Liner (CIPP) (12" X 18") to (58" X 91") Elliptical (Bid Item Numbers A-143 to A-205)

Measurement: The quantity for payment must be per Linear Feet as measured along the flow line of the pipe (or from inside wall structure termination, between structures) for proper installation of new cured in place liner, with a final installed average wall thickness no less than indicated, with a maximum variation of no more than +/- 10% of specified average liner wall thickness.

Payment: Payment for this item must be per item contract unit price and must be full compensation for all labor, material and equipment and also includes: existing pipe cleaning, material disposal and videotaping pre and post installation.

XVI. MANHOLE REHABILITATION

The Contractor must furnish all labor, materials, equipment, and incidentals required to rehabilitate manholes by providing a cementitious restoration material designed for structural build-back, corrosion resistance, and repairing inverts to design requirements. All materials applied to the structure shall be compatible, as specified by the manufacturer.

REFERENCES

ASTM F2551 Standard Practice for Installing a Protective Cementitious Liner System in Sanitary Sewer

Manholes ASTM C150 Standard Specification for Portland Cement Type I

ASTM C33-86 Standard Specification for Concrete Aggregates

ASTM C78 Standard Test Method for Flexural Strength of Concrete; Using Simple Beam with Third Point Loading

ASTM C109/C109M-05 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)

ASTM C157/C157M-06 Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete

ASTM C267 Test Methods for Chemical Resistance of Mortars, Grouts and Monolithic Surfacing and Polymer Concretes

ASTM C293-02 Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Center-Point Loading)

ASTM C309 Specification for Liquid Membrane-Forming Compounds for Curing Concrete

ASTM C321-00(2005) Standard Test Method for Bond Strength of Chemical-Resistant Mortars

ASTM C348-02 Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars

ASTM C494-86 Standard Specification for Chemical Admixtures for Concrete

ASTM C496/C496M-04e1 Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete

Specimens ASTM C666/C666M-03 Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing

ASTM C882-05 Standard Test Method for Bond Strength of Epoxy-Resin Systems Used With Concrete by Slant Shear

MANHOLE REPAIR MATERIALS

A. Cementitious Coating Restoration Materials for manhole walls, channels, corbels, chimneys and benches. The Contractor shall install cementitious restoration materials that shall be specifically designed for the rehabilitation of manholes and other related stormwater structures. Liner materials shall be cement based, poly-fiber reinforced, shrinkage compensated, and enhanced with chemical admixtures and siliceous aggregates. Liner materials shall be mixed with water per manufacturer's written specifications and applied using equipment specifically designed for troweling, low-pressure spray or centrifugal spin casting application. All cementitious liners shall be troweled to densify and smooth out the surfaces.

B. Design Requirements.

Repairs may be designed to rehabilitate the existing manhole against corrosion or structural build-back, or a combination of the two. In certain cases, the preparation, certification and submission of design calculations by a registered professional engineer is required for manhole replacement and rehabilitation technologies. All design must be supported by third party testing and documentation for the exact product that is being submitted.

1. A manhole is specified to be structurally replaced, being able to sustain all earth, hydrostatic and dynamic loading without support by the existing structure. Certification and submission of design calculations by a registered professional engineer is required.
2. A manhole is specified to be structurally rebuilt, with build-back materials, or rehabilitated to sustain hydrostatic loading by groundwater. Certification and submission of design calculations by a registered professional engineer is required.
3. A manhole is specified to receive a corrosion protective coating sufficiently thick to totally protect the existing host structure from further corrosion, deterioration and water vapor transmission. Certification and submission of design calculations by a registered engineer may be required.
4. A manhole is specified to receive a coating to renew mortar or other deteriorated components of a manhole but has no specified longevity or corrosion resistance requirement. The manufacturer's third-party testing will be acceptable for application suitability.
5. A manhole is specified to receive patch repair materials for portions of the manhole. The manufacturer's third-party testing will be acceptable for application suitability.

XVII. MANHOLE REHABILITATION BID ITEMS

Bid Item Unit Prices shall include all labor, materials, equipment, mobilization, transportation, testing, dewatering, shoring, surveying, supervision, insurance cost, bond cost, taxes, fees, overhead, and profit that the Contractor will incur by performing the required work.

Bid Item Manhole Rehabilitation (Bid Item Numbers **C-1 – C-17**)

Measurement: The quantity for payment for each item must be per unit of measure listed in the bid form: square foot (SF), Tube, Gallon, Each, or vertical foot (VF) for rehabilitation of the manhole.

Payment: Payment for this item must be per item contract unit price and must be full compensation for all labor, material and equipment for: the by-pass pumping as needed to successfully line and cure the pipe.

XVIII. ANCILLARY BID ITEMS

Bid Item Unit Prices shall include all labor, materials, equipment, mobilization, transportation, testing, dewatering, shoring, surveying, supervision, insurance cost, bond cost, taxes, fees, overhead, and profit that the Contractor will incur by performing the required work.

Bid Item Ancillary Services – By-Pass Pumping & Dewatering (Bid Item Numbers C-1 to C-10)

Measurement: The quantity for payment must be by pump size for dewatering operations.

Payment: Payment for this item must be per item contract unit price and must be full compensation for all labor, material and equipment for: the by-pass pumping as needed to successfully line and cure the pipe.

Bid Item Ancillary Services – Maintenance of Traffic (MOT) and Variable Message Board (Bid Item Numbers C-11 to C-15)

Measurement: The unit of payment for Maintenance of Traffic (MOT) must include all expenses required for completion of the project per Florida Department of Transportation (FDOT) Index 601, or Index 603. Traffic Control Flagmen and Arrow Boards must be per day and must include two flagmen / Boards (one at each end). Traffic Control Barricades and Lane Dividers must be per linear foot per day. The quantity of payment must be per linear foot of cleaning or lining work item completed plus the Florida Department of Transportation Index 600 required taper length per day of work. A Permit condition of all FDOT Right of Way work is that the work be performed between 7:00 pm and 7:00 am.

Payment: Payment for this item must be per item contract unit price and must be full compensation for all labor, materials and equipment.

END OF SECTION

SEALED BID MAILING LABEL

**Cut along the outer border and affix this label
to your sealed bid envelope to identify it as a
"Sealed BID"**

SEALED BID • DO NOT OPEN	
SEALED BID NO.:	BID NO: 23-07
BID TITLE:	CITYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES
DUE DATE/TIME:	By 10:00AM – November 9, 2023
SUBMITTED BY:	Company Name
	Company Address
	Company Address
DELIVER TO:	City Clerk City of St. Augustine Beach 2200 A1A S St. Augustine FL 32080



END OF DOCUMENT