



CITY OF ATLANTA

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Mayor

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DEPARTMENT OF PROCUREMENT
Adam L. Smith, Esq., CPPO, CPPB, CPPM, CPP,
CIPC, CISCC, CIGPM
Chief Procurement Officer
asmith@atlantaga.gov

September 8, 2015

Dear Bidders:

**Re: FC-8357, Permanent Solution to Sewer force Main Break at
Hartsfield-Jackson Atlanta International Airport**

Attached is one (1) copy of **Addendum No. 2**, which is hereby, made a part of the above-referenced project.

For additional information, please contact Mr. Philippe Jefferson, Contracting Officer at (404) 865-8565, or via e-mail at pejefferson@atlantaga.gov.

Sincerely,

Adam L. Smith

ALS:pej



Addendum No. 2

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This Addendum forms a part of the Invitation to Bid and modifies the original solicitation package and any prior addenda as noted below.

1. REVISION TO PART 1, INFORMATION AND INSTRUCTIONS TO BIDDERS, SECTION 3.3 MINIMUM QUALIFICATIONS

Delete: 3.3 Each Bidder participating in this procurement must be a manufacturer qualified, licensed or approved installer of the Cured In Place Pipe Lining (CIPP) system components to be utilized on the Project with experience on minimum of five (5) projects, each containing 100,000 Linear Feet of installed (CIPP) lining within the last four (4) years. A Bidder may utilize a Subcontractor to fulfill this requirement. If the Bidder is utilizing a Subcontractor to fulfill this requirement, that Subcontractor will be designated as an essential subcontractor per Exhibit B, Special Conditions, Section SC-09 and Exhibit C, Form "B", Essential Subcontractor Qualification Statement must be completed.

Replace with: 3.3 Each Bidder participating in this procurement must be a manufacturer qualified, licensed or approved installer of the Cured In Place Pipe Lining (CIPP) system components to be utilized on the Project with experience on minimum of five (5) projects, totaling at least 100,000 linear feet within the last five (5) years. A Bidder may utilize a Subcontractor to fulfill this requirement. If the Bidder is utilizing a Subcontractor to fulfill this requirement, that Subcontractor will be designated as an essential subcontractor per Exhibit B, Special Conditions, Section SC-09 and Exhibit C, Form "B", Essential Subcontractor Qualification Statement must be completed.

2. QUESTIONS AND ANSWERS: TOTAL OF FORTY-ONE (41) QUESTIONS ATTACHED HERETO AS ATTACHMENT NO. 1.

3. REVISION TO EXHIBIT "E" SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, ATTACHED HERETO AS ATTACHMENT NO. 2

Delete: Section D-753 - "Sliplining Method", in its entirety.

Replace with: Section D-753 - "Sliplining Method", attached to this addendum No. 2.



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Delete: Section D-756 - "Wastewater Flow Control", in its entirety.

Replace with: Section D-756 - "Wastewater Flow Control", attached to this addendum No. 2.

**4. REVISION TO EXHIBIT "I" QUALITY CONTROL PROGRAM, ATTACHED HERETO AS ATTACHMENT
NO. 3**

Delete: "Exhibit "I" Quality Control Program, in its entirety.

Replace with: "Exhibit "I" Quality Control Program, attached to this Addendum No. 2

5. APPENDIX C, ATTACHED HERETO AS ATTACHMENT NO. 4

Bids are due **Wednesday, September 16, 2015**, should be time stamped in no later than 2:00 p.m., and delivered to the address below:

Adam L. Smith, Esq., CPPO, CPPB, CPPM, CPP, CIPC, CISCC, CIGPM
Chief Procurement Officer
Department of Procurement
55 Trinity Avenue, S.W.
Suite 1900
Atlanta, Georgia 30303

**** All other information remains unchanged ****



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Acknowledgment of Addendum No. 2

Bidders must sign below and return this form with Bids to the Department of Procurement, 55 Trinity Avenue, City Hall South, Suite 1900, Atlanta, Georgia 30303 as acknowledgment of receipt of this Addendum.

This is to acknowledge receipt of Addendum No. 2 for **FC-8357, Permanent Solution to Sewer force Main Break at Hartsfield-Jackson Atlanta International Airport** on this the _____ day of _____, 2015.

Legal Company Name of Proponent

Signature of Authorized Representative

Printed Name

Title

Date



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Attachment No. 1

Questions and Answers



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ADDENDUM #2

The following questions and/or clarifications were requested by various Contractors:

1.	Question	Is there an estimated project value?
	Answer	The estimated project value will not be provided for this project.
2.	Question	Is there a start date for the work to begin?
	Answer	A notice to proceed (NTP) will be issued shortly after the contract is signed by the Mayor of Atlanta and filed by the clerk of record. Administrative obligations by the selected contractor shall commence no later than 10 working days after notice to proceed.
3.	Question	Is there an end date?
	Answer	As per Section 2.2 of the Special Conditions, Contractor shall have 150 calendar days from Notice to Proceed (NTP) to Substantial Completion. Final Acceptance is 30 calendar days after Substantial Completion.
4.	Question:	What are the approximate lengths, sizes and types of the pipes to be lined on the project?
	Answer:	This is available on the project procurement drawings for FC-8357. The original pipe is DIP.
5.	Question:	What type of lining to be used for the project?
	Answer:	See Exhibit E, Section D-752 & Revised Specification D-753, attached to this Addendum No. 2, of the ITB.



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6.	Question:	Any further details you wish to provide?
	Answer:	Please review this Addendum No. 2.
7.	Question:	Has the City cleaned and videoed the gravity 18" lines on this project in the past, and if so would the video's be made available for review before the bid date?
	Answer:	Any video material that the city has is too old to be of any value to this project. The gravity lines have not been cleaned.
8.	Question:	Could you e-mail me the pre-bid sign in sheets?
	Answer:	Pre-Bid sign-in sheet is available on the City of Atlanta, Procurement website.
9.	Question:	Will the City make arrangements for the Contractor to have access to the entire site, mainly the area at the Flint River Pumping Station, Arff Training Facility area, and the area between the Arff Training Facility and Forrest Parkway Road and the Lift Station #1?
	Answer:	No.
10.	Question:	Will the City extend the due date for question at least 1 week or until we have had an opportunity to have visit the entire site see question 1). Question may arise from a full site visit that are not currently known. Also questions may arise after the answers to the first submitted questions.
	Answer:	No.
11.	Question:	Is there a Local Bidder Preference for this project?
	Answer:	YES, See Attachment No. 4, Appendix C.



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12.	Question:	Is there a mandatory minority JV requirement for the project?
	Answer:	There is no Joint Venture requirement for this contracting opportunity.
13.	Question:	We do not find any info/data regarding sewage flows. Will the City provide flow rates (normal and peak) for the existing sewer system? Can the City provide the current by pass system information (bypass pump size, horse power, pumping capacity, max head, pressure, line size, actual flow rates, peak flows)?
	Answer:	Lift Station No 1 Max. flow = 2000gpm Avg. flow = 500 gpm Lift station No. 2 Max flow = 4500 gpm Avg. flow = 1125 gpm College park Lift Station Max Flow = 4000 gpm Avg. flow = 990 gpm Bypass line downstream of College Park lift station is 18”diameter. Bypass line below lift station No. 1 is 12” diameter.
14.	Question:	What is the original (design) flow rates and capacity of the existing lift station (Lift Sta #1, Lift Sta #2)
	Answer:	Lift Station No 1 Max. flow = 2000gpm Avg. flow = 500 gpm Lift station No. 2 Max flow = 4500 gpm Avg. flow = 1125 gpm College park Lift Station Max Flow = 4000 gpm Avg. flow = 990 gpm
15.	Question:	The current HDPE bypass that is in place from Lift Sta #1 to MH S2-3, does this line re-main after construction ?, Who is responsible for removal? Can the Contractor use this bypass HDPE pipe for other bypass needs?
	Answer:	This current HDPE bypass liner remains on site after construction. The rental company will remove after completion of this project. The Contractor may negotiate reuse of this bypass with the rental company.
16.	Question:	The current HDPE bypass that is in place from Forrest Parkway to Flint River Pumping Station: can the Contractor re-use this by-pass HDPE pipe for other bypass needs on the project?
	Answer:	During the repair / replacement of this segment it is envisioned that this bypass will remain operational until project completion. Moving of this bypass is not recommended.
17.	Question:	Is the City responsible for all cost for the current by-pass operation for the duration of the construction?



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	Answer:	Yes, the current bypass operation is being administered by other departments within DOA P&D.
18.	Question:	At the pre-bid meeting it was stated the there was no work hour restrictions, except possible for the work inside the AOA. What will be the allowable work hours inside the AOA? Are there any restriction on work hours/access at the Flint River Pump Station?
	Answer:	Work hour restrictions within the Aircraft Operating Area (AOA) are governed by Federal Aviation Administration, FAA and DOA Airside Operations. This should not be a major impact on this contract; and it will depend on the selected contractor's means & methods. Flint river pump station has no work restrictions by DOA, this will have to be coordinated with Department of Watershed Management-Sewer division by the selected contractor. There is no work to be performed within the fence that surrounds the Flint River Pump Station. The work in that area is within the adjacent Airport property fence but not within the confines of the Flint River Pump Station. The area adjacent to Flint River Pump Station is City/Airport property but is not within the AOA or SIDA limits.
19.	Question:	Spec Section D-753 Sliplining Method- Part 1 General, 01 Scope, paragraph 1 states "This specification shall cover the rehabilitation of existing gravity sanitary sewers and sewer service laterals". Does this Specification section apply since the sliplining work is taking place in an existing sanitary Force Main system?
	Answer:	Please see revised specification D-753 attached to this Addendum No. 2
20.	Question:	Spec. Section D-753 Sliplining, Part 3 Execution, 01 Existing Utilities and Obstructions, and 02 Sewer Service Connections: these section reference Section 02730? We do not find this section, please provide.
	Answer:	Please see revised specification D-753 attached to this Addendum No. 2
21.	Question:	Spec Section D752- Cured-in-Place Pipe Liner, Part 3 Execution,04 Pre-Installation procedures , 7)e) states " the Contractor shall perform any necessary external point repairs... as required by the Engineer". How will the Contractor be compensated for this work, since the amount and extend of this is unknown at this time?



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	Answer:	The contract's General Conditions allow for Change Order provisions or Time & Material costing.
22.	Question:	Spec Section d-753 Sliplining, Part 3 Execution, 07) Correction of Pipe Sag or Blockage: states" Correction will be accomplished by point repairs as directed by the Engineer". How will the Contractor be compensated for this work, since the amount and extend of this is unknown at this time.
	Answer:	The contract's General Conditions allow for Change Order provisions or Time & Material costing.
23.	Question:	Bid Item P-156-1 Sediment/Erosion Control is a Lump Sum item, we do not find any Erosion control drawings, will the City provide drawings? Is the Contractor responsible for all design of erosion control plans?
	Answer:	The City will not provide drawing for Erosion Control. The design of Erosion Control, obtaining DOA approval, installation and removal are the Contractors responsibility.
24.	Question:	Bid items D-750-12 and D-750-13 Jack and Bores, If rock is encountered, will this be treated as a "change of conditions" and paid as Extra work (Force Account)?
	Answer:	If rock is encountered, the contract's General Conditions allow for Force Account work.
25.	Question:	Please provide information on flow rates and existing pumps that are operating in the 4 existing pump stations.
	Answer:	Lift Station No 1 Max. flow = 2000gpm Avg. flow = 500 gpm Lift station No. 2 Max flow = 4500 gpm Avg. flow = 1125 gpm College park Lift Station Max Flow = 4000 gpm Avg. flow = 990 gpm There are only three pumping stations involved in this project.
26.	Question:	The time to complete the job to substantial completion of 150 days will not be adequate. Will the owner consider extending the duration of the job to substantial completion to 270 days?
	Answer:	No.
27.	Question:	Section 3.3 of Part 1 of the ITB states that the Prime Contractor or the CIPP subcontractor must have completed 5 projects each with 100,000 linear feet of CIPP lining within the last 4 years. If this requirement is held, it will be VERY limiting as to the actual CIPP contractors that have this resume of work. Will this requirement hold? Will the city consider reducing the requirements of past work



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		for the CIPP contractor?
	Answer:	Please see Revision to Part 1; Information and Instructions to Bidders – 3. Minimum Qualifications.
28.	Question:	Is the Prime Contractor required to have a valid Georgia General Contractor's License? By Georgia state law a General Contractor's license would allow a firm to construct a "building, bridge or other structure". This license alone would not be sufficient to perform the work of this project, therefore is it necessary for the Prime contractor or any of his subcontractors to hold this General Contractor's license?
	Answer:	Each Bidder participating in this procurement must meet the Mimumum Qualifications as set forth in Section 3 of the Information and Instructions to Bidders.
29.	Question:	When does the Owner expect to make an award for this project?
	Answer:	Closing of bids is Sept 16, 2015, no later than 2:00 p.m. EST after review of bids, required evaluations and final recommendation; the selected contractor will be notified.
30.	Question:	Will the Engineer considering adding a bid item for Jack & Boring through rock?
	Answer:	No. This will be handled as a change order or under the force account provisions of the contract's General Conditions.
31.	Question:	Which municipal permits will the Contractor be required to obtain?
	Answer:	All permits for work on the Hartsfield Jackson Atlanta International Airport are to be issued by the City of Atlanta at the contractor's expense.
32.	Question:	Please provide any existing sewer line TV inspection videos before the bid opening?
	Answer:	Any video material that the city has is too old to be of any value to this project.



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33.	Question:	Will the Contractor be compensated for exporting unsuitable material from the jobsite?
	Answer:	The compensation associated with exporting unsuitable material from the jobsite is incidental to pay Item P-152-2 Backfill.
34.	Question:	Will the Contractor become responsible for operating and maintaining the existing bypass pumping system once the project commences, or will it remain under the control and responsibility of the City?
	Answer:	The present operators (Contractors for the City) will be responsible for maintaining the existing bypass pumping systems until the existing bypasses are no longer needed.
35.	Question:	Who will be responsible for removing the above ground existing bypass pumping system?
	Answer:	The City of Atlanta, DOA P&D is responsible for removal of the existing bypass at Lift Station 1 under other contracts The disposition of the 18" bypass downstream of College park lift Station is provided for in the contract.
36.	Question:	Are there temporary easements acquired for the bypass pumping system? Are there limits to where this bypass pumping system may be located?
	Answer:	The temp bypass cannot be placed in the curbed area of any road. Placement of the bypass in an unpaved portion of road right of way is authorized, subject to the Engineer's approval. Temporary easements are not required.
37.	Question:	What is the peak and average flow for the lines to be bypassed?
	Answer:	Lift Station No 1 Max. flow = 2000gpm Avg. flow = 500 gpm Lift station No. 2 Max flow = 4500 gpm Avg. flow = 1125 gpm College park Lift Station Max Flow = 4000 gpm Avg. flow = 990 gpm
38.	Question:	Does the Bypass contractor need to provide references of projects for the City of Atlanta of similar size and scope?
	Answer:	Per bid document the bypass contractor must list his past work experience / job performance and fill out all requested forms.
39.	Question:	Do the pumps and fuel cells required to be placed on spill containment berms?



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	Answer:	If the pumps are self-contained trailer mounted units they will not be required to be placed on spill containment berms. Contractor and sub- contractor must have spill response kits and addressed the required DOA approved safety plan to be submitted prior to commencement of any onsite work.
40.	Question:	Does the bypass system required to be monitored by certified pump technicians?
	Answer:	No continuous monitoring is required. It is the bypass installer's responsibility to insure safe, continuous operation of the pumps and supporting system as per the specifications.
41.	Question:	The bypass discharge pipe need to be flanged and fused to provide leak free system.
	Answer:	Means & Methods of physical connections to be used in the sectional bypasses will not be dictated. Any temporary bypass installed must provide a leak free system. Spill contingency must be addressed in the overall project safety plan.



Attachment No. 2

Section D-753 & D-756

SECTION D- 753 SLIPLINING METHOD

PART 1 – GENERAL

01) SCOPE

- a) ***This specification shall cover the rehabilitation of existing force mains, gravity sanitary sewers and sewer service laterals. All work shall be performed only as directed by the Engineer or shown on the Construction Drawings.***
- b) Sliplining is defined as the trenchless reconstruction of existing wastewater mains by subsequently inserting pipe lengths, which are joined into a continuous tube, within the bore of the existing pipe and grouting the annular spacing between the new pipe and the existing pipe.
- c) The scope includes standards for dimensionality, testing, quality, acceptable fusion practice, safe handling, storage and installation of the pipe by sliplining.
- d) The scope of work requires the Contractor to provide all materials, labor, equipment, and services necessary for bypass pumping and/or diversion of sewage flows, rehabilitation of existing sanitary sewers by sliplining the existing pipe and inserting a new pipe, reconnection of active sewer service connections (service laterals), anchoring new pipe, restoring affected manholes, cleaning, CCTV inspection and final testing of the new pipe system.
- e) The sewer sliplining work details include:
 - 1) Site Planning and Preparation:
 - a) Perform site investigation and record all pre-existing conditions of all structures within the immediate area, landscaping and/ or roadways prior to construction.
 - b) Perform initial CCTV inspection of sewer to be replaced (See specification D-752). Locate all active sewer service connections (laterals) and sags or blockages.
 - c) Formulate and execute plans for sag/blockage repairs, launching pipe excavation, layout for sewer bypass pumping

- d) system, marking existing utilities, service laterals, cleanout, etc.

2) Pipe Installation:

- a) Excavate launching and receiving pits.
- b) Install sewer bypass pumping system.
- c) Excavate to relieve effects to existing utilities.
- d) Excavate to expose all active service connections (laterals).
- e) If directed to do so by the Engineer, provide bypass pump to extract flow from high-volume service connections (laterals).
- f) If directed to do so by the Engineer, temporarily disconnect/plug active service connections (laterals).
- g) Install new sewer pipeline by sliplining methods.
- h) Install new manholes where required by the Engineer.
- i) Anchor pipe and seal manholes.
- j) If directed to do so by the Engineer, replace existing active service connections (laterals) from new or existing cleanouts and lamp holes to new sewer pipeline.
- k) Perform CCTV inspection of all active service laterals and remedy those determined to be defective.
- l) Reconnect all active service connections (laterals) to new sewer pipeline.
- m) Connect replacement pipeline to existing manholes.
- n) Perform post-installation cleaning and CCTV sewer inspection for quality control.
- o) Remove sewage bypass pumping system(s).
- p) Backfill and restore excavations.
- q) Perform pipeline testing.

- 3) Cleanup and restore existing surface condition and structures.
- 4) Repair defective work per Engineer's final inspection.
- f) The Contractor is responsible for proper and accurate installation of the new sewer pipe regardless of the method described in this section and the following subsections. The Contractor shall ensure that the new pipe's vertical and horizontal alignment is as indicated on the plans and/or as existing in the field in accordance with these specifications.
- g) Supplying all labor, materials, equipment and apparatus not specifically mentioned herewith or noted on the plans, but which are incidental and necessary to complete the Work specified.

02) QUALIFICATIONS

- a) The Contractor shall be certified by the sliplining system manufacturer as a fully trained and/or licensed user of the sliplining system. Operation of the system shall be performed by trained personnel. Such training shall be conducted by a qualified representative of the system manufacturer.
- b) All sliplining operations shall be performed by a qualified sliplining company who has at least five (5) years' experience involving work of a similar nature. The company must have installed a minimum of 10,000 linear feet of pipe (6-inch diameter or greater) using sliplining and supply a list of project references, prior to job commencement.
- c) Fusible Polyvinylchloride pipe and Polyethylene pipe jointing shall be performed by personnel trained in the use of butt-fusion equipment and recommended methods for new pipe connections. Personnel directly involved with installing the new pipe shall receive training in the proper methods for handling and installing the polyethylene pipe. Training shall be performed by a qualified representative of the fusion equipment manufacturer.
- d) Contractor shall hold the City and Engineer harmless in any legal action resulting from patent infringements.

03) STANDARD SPECIFICATIONS

- a) Except as otherwise indicated, the current editions of the following apply to the Work of this Section:

- 1) ASTM C 923 Standard Specification for Resilient Connectors

Between Reinforced Concrete Manhole Structures,
Pipes, and Laterals

- 2) ASTM D 1599 Test for Short Term Rupture Strength of Plastic Pipe, Tubing and Fittings
- 3) ASTM D 1784 Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
- 4) ASTM D 1928 Preparation of Compression Molded Test Polyethylene Samples
- 5) ASTM D 2122 Determining Dimensions of Thermoplastic Pipe and Fittings
- 6) ASTM D 2152 Test Method for Degree of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion
- 7) ASTM D 2321 Underground Installation of Thermoplastic Flexible Sewer Pipe
- 8) ASTM D 2412 Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel Plate Loading
- 9) ASTM D 2657 Practice for Heat-Joining Polyolefin Pipe and Fittings
- 10)ASTM D 3034 Specification for PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
- 11)ASTM D 3035 Specification for Polyethylene (PE) Plastic Pipe (SDR_DR) Based on Controlled Outside Diameter
- 12)ASTM D 3261 Specification for Polyethylene Plastic Pipe and Fittings Material
- 13)ASTM D 3262 Specification for Glass-Fiber Reinforced Thermosetting-Resin Sewer Pipe
- 14)ASTM D 3550 Standard Practice for Ring Lined Barrel Sampling of Soils

- | | |
|----------------|---|
| 15)ASTM D 4161 | Specification for Glass-Fiber Reinforced Thermosetting Resin Pipe Joints Using Elastomeric Seals |
| 16)ASTM D 3681 | Standard Test Method for Chemical Resistance of Fiberglass Pipe in a Deflected Condition |
| 17)ASTM F 477 | Elastomeric Gaskets (Seals) for Joining Plastic Pipe |
| 18)ASTM F 679 | Standard Specification for Poly(Vinyl Chloride) (PVC) Large Diameter Plastic Gravity Sewer Pipe and Fittings |
| 19)ASTM F 714 | Specification for Polyethylene (PE Plastic Pipe (SDR_PR) Based on Outside Diameter (3" and larger) |
| 20)ASTM F 1057 | Standard Practice for Estimating the Quality of Extruded Poly (Vinyl Chloride) (PVC) Pipe by the Heat Reversion Technique |
| 21)ASTM F 1417 | Standard Test Method for Installation Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air |
| 22.AWS D1.1 | AWS Standard Qualification Procedure |

04) SUBMITTALS

- a) The following shall be submitted to the City in writing prior to or at the time indicated in accordance with General Condition Section 28. Failure to do so will prevent progression of the Work to the next stage:
- 1) Manufacturer's technical literature on the proposed sliplining systems (At Pre-Construction Meeting)
 - 2) Written certification from the sliplining system provider that the Contractor or Subcontractor is a trained and licensed installer (At Pre-Construction Meeting)
 - 3) Shop drawings, catalog data, and manufacturer's technical data showing complete information on material composition, physical properties, and dimensions of new pipe and fittings (At Pre-

- Construction Meeting).
- 4) Include manufacturer's recommendations for handling, storage, time for re-connection of laterals, joint welding and repair of pipe and fittings damaged (At Pre-Construction Meeting).
 - 5) The Contractor shall prepare and submit, for the Engineer's approval, a general methodology/Work Plan of the sliplining, including materials and equipment, lateral numeration and manhole restoration procedure and materials, by-pass pumping system accommodation and maintenance of intermediate flows and connections, plan of operation, construction and restoration of existing sewer service connections (At Pre-Construction Meeting).
 - a) Work plan shall include for each sliplining installation all excavation locations, interfering utilities, excavation dimensions, bypass pumping and traffic control schematics.
 - b) At least 2 weeks prior to the start of work, the Contractor shall submit its sliplining schedule identifying daily work hours and working dates for each installation.
 - c) Grout design mixes, installation plan, and contingency plan for the annular space grout to be used, if grout is to be used for annular space fill.
 - 6) Certification of workers trained for welding and/or installing pipe (At Pre-Construction Meeting).
 - 7) A detailed methodology for each set up during the course of the contract, but not less than ten days before sliplining is planned to commence. This detailed methodology shall be agreed upon between the contractor and the Engineer. (Before Sliplining)
 - 8) Sliplining Push-Pull Method: Submittals shall include shop drawings and calculation of columnar strength of the pipe. The drawings shall show dimensions of pipes including inside diameter and wall thickness, details of pipe joints and gaskets showing cushion packing ring (if required) and laying length of each pipe wall thickness, dimensionality, pressure Class or pipe stiffness per applicable standard and as shown on plans, color, recommended Minimum Bending Radius, recommended Maximum Safe Pull Force. (Before Sliplining)
 - 9) Pre and post installation CCTV inspection reports and videos. Post installation reports and videos shall be made after pipe installation and re-connection of all laterals and immediately prior to the

- commissioning stage (Pre and Post Installation Stage).
- 10) Methodology for dealing with any possible ground heave shall be fully detailed both in relation to:
 - a) Restoration of Landscape areas-restoration of ground contours and surface treatment to meet the reasonable requirements of the property owner, and
 - b) Structures: Pre-installation of monitoring devices where the adverse effect of sliplining could worsen existing structural defects in buildings and/or other structures. (At Pre-Construction Meeting)
 - 11) Manhole invert rebuilding method and materials (Before Sliplining)
 - 12) A written verification at least 2 days before commencing sliplining that the sewer is free of obstructions and debris and is in suitable condition for sliplining. (Before Sliplining)
 - 13) Drawings and design calculations demonstrating adequacy of any proposed temporary work including excavation, locations, sheeting and shoring, method of dewatering, other utilities that may be affected; width and length of working area access pit and portions of existing sewer to be removed to conduct the Work. (Before Sliplining)
 - 14) Process Control Sheet to include equipment tensile or compressive load information, excavation reinstatement, and tap cut information and pre and post submittal follow up record/survey inspection report, alignment inspection where sliplining are complete. (After Completion of Each Section)
 - 15) HDPE Repair Methods [If required] (Before Repairs Are Made)
 - 16) Sag/Blockage Repair Methods [If required] (Before Repairs Are Made)
- 05) TRIAL TEST AND METHODOLOGY REVIEW
- a) The Contractor shall comply with the following conditions before a pipe sliplining technique becomes accepted as a viable option on a repeat basis:
 - 1) A successful demonstration for a trial length of sewer pipeline, chosen by the Engineer, which requires sliplining, shall be carried

out including type and quality control tests as recommended by the manufacturer and in compliance with industry standards.

- 2) The Contractor shall include and allow for representation by the equipment manufacturer if requested and further requirement of the Engineer, subsequent to the trial, to modify the equipment, material and/or installation methodology in order to complete the Work satisfactorily and meet all testing standards at no cost to the City.
- 3) The Engineer shall formally accept the Contractor as having successfully completed the trial stage should this be the case.

PART 2 – PRODUCTS

01) MATERIALS

Unless otherwise specified in the plans and/or specifications, the following pipes or approved equal can be considered for sliplining contingent upon approval by the Owner:

- a) Fusible Polyvinylchloride (PVC) pipe
 - 1) The pipe supplied under this specification shall be high performance fusible polyvinylchloride (PVC) pipe.
 - 2) Product shall be and manufactured under the trade name Fusible C-900, C-905, and FPVC. manufactured by Underground Solutions, Inc. or approved equal.
 - 3) All piping shall be made from a PVC compound conforming to cell classification 12454 per ASTM D1784.
 - 4) All pipes shall have a minimum pipe stiffness of 46 psi at five percent deflection as determined by ASTM D 2412.
 - 5) Fusible PVC pipe shall be extruded with plain ends. The ends shall be square to the pipe and free of any bevel or chamfer. There shall be no bell or gasket of any kind incorporated into the pipe
 - 6) Fusible PVC gravity sewer pipe shall be supplied in a standard 40

foot nominal lengths or custom length as specified by the Engineer.

- 7) Fusible PVC pipe shall be green in color for wastewater use.
- a) High Density Polyethylene Plastic Pipe
- 1) Pipe shall be high-density solid wall polyethylene pipe (HDPE) in accordance with specifications in Section D-750.
 - 2) Sizes of the insertions to be used shall be as indicated or specified to renew the sewer to greater flow capacity.
 - 3) All pipes shall be made of virgin material. No reworked material shall be used except that obtained from the manufacturer's own production of the same formulation.
 - 4) The pipe shall be homogenous throughout and shall be free of visible cracks, discoloration, pitting, varying wall thickness, holes, foreign material, blisters, or other deleterious faults.
 - 5) Dimension Ratios: The minimum wall thickness of the polyethylene pipe shall be SDR 17 throughout.
 - 6) Material color shall be light gray. Light gray interior color of pipe shall allow easier/better viewing for television inspection.
 - 7) Product shall be equal to Driscoplex, manufactured by Chevron Phillips.
- b) Centrifugally Cast Fiberglass Reinforced Plastic (GRP) Pipe
- 1) Product shall be and manufactured by Hobas, Inc. or approved equal and shall be manufactured and tested in accordance with ASTM D3262
 - 2) Minimum pipe stiffness when tested in accordance with ASTM D2412 shall normally be 36 psi (may range from 18 psi to 46 psi and sometimes higher).
 - 3) Sizes of the insertions to be used shall be as indicated or specified to renew the sewer to greater flow capacity. The actual outside diameter (18" to 48") of the pipe barrel shall be in accordance with ASTM D3262. For other diameters, OD's shall be per manufacturer's literature.

- 4) All pipes shall be made of virgin material. No reworked material shall be used except that obtained from the manufacturer's own production of the same formulation.
 - 5) The pipe shall be homogenous throughout and shall be free of visible cracks, discoloration, pitting, varying wall thickness, holes, foreign material, blisters, or other deleterious faults.
 - 6) Pipe shall be supplied in nominal lengths of 20 feet. When required by radius curves, pit size, sewer irregularities, etc., pipe shall be supplied in nominal lengths of 10 feet or other even divisions of 20 feet. Actual laying length shall be nominal +1, -4 inches. At least 90% of the total footage of each size and class of pipe, excluding special order lengths, shall be furnished in nominal length sections.
- c) Grout for use as a filler of the annular space between the liner pipe and the host pipe shall be a low-density, highly flowable mix.
- 1) Grout shall meet the compressive strength requirements for the installation per the contract documents.
 - 2) Testing requirements shall be in accordance with the contract documents. Contractor may incorporate grout additives to improve its flow properties, provided that strength property requirements are met.
- d) Fusion Joints
- 1) Unless otherwise specified, fusible polyvinylchloride pipe lengths shall be assembled in the field with butt-fused joints. The fusion technician shall follow the pipe supplier's guidelines for this procedure. All fusion joints shall be completed as described in this specification

02) MATERIAL TESTS

- a) A certificate shall be furnished by the manufacturer for all material furnished under this specification. Pipe and fittings may be rejected that do not meet any requirements of this specification.
- b) Upon request by the Engineer, the Contractor shall furnish samples for material tests by the City's independent laboratory demonstrating compliance with Specification Section D-750 for PVC and HDPE pipe and fittings to verify the required physical properties and characteristics of

supplied materials. The City shall pay for tests on pipe samples that meet specification requirements. Contractor shall pay for failed tests and re-testing of failed materials.

PART 3 – EXECUTION

01) EXISTING UTILITIES AND OBSTRUCTIONS

- a) ***Refer to Specification D-750, Subsection 05, Basis of Payment, Section a, Subsection 6.***

02) SEWER SERVICE CONNECTIONS

- a) ***Refer to Specification D-750, Subsection 05, Basis of Payment, Section a, Subsection 1.***

03) DELIVERY, STORAGE, AND HANDLING

- a) Transportation, handling, and storage of the pipe and fittings shall be as recommended by the manufacturer to prevent damage.
- b) If new pipe and fittings become damaged before or during installation, it shall be repaired as recommended by the manufacturers or replaced as required by the Engineer at the Contractor expense, before proceeding further.
- c) All pipes shall be bundled or packaged in such a manner as to provide adequate protection of the ends during transportation to the site. Any pipe damaged in shipment shall be replaced as directed by the owner or Engineer.
- d) Each pipe shipment should be inspected prior to unloading to see if the load has shifted or otherwise been damaged. Notify owner or engineer immediately if more than immaterial damage is found. Each pipe shipment should be checked for quantity and proper pipe size, color, and type.
- e) Handling of Pipe: Pipe shall be stored on clean, level ground to prevent undue scratching or gouging of the pipe. If the pipe must be stacked for storage, such stacking should be in accordance with the pipe manufacturer's recommendations. The pipe should be handled in such manner that it is not damaged by being dragged over sharp objects or cut by chokers or lifting equipment.

- 1) Pipe should be loaded, off-loaded, and otherwise handled in

accordance with AWWA M23, and all of the pipe supplier's guidelines shall be followed.

- 2) Off-loading devices such as chains, wire rope, chokers, or other pipe handling implements that may scratch, nick, cut, or gouge the pipe are strictly prohibited.
 - 3) During removal and handling, be sure that the pipe does not strike anything. Significant impact could cause damage, particularly during cold weather.
 - 4) If appropriate unloading equipment is not available, pipe may be unloaded by removing individual pieces. Care should be taken to insure that pipe is not dropped or damaged. Pipe should be carefully lowered, not dropped, from trucks.
- f) Repair of Damaged Sections: Segments of pipe having cuts or gouges in excess of 10% of the wall thickness of the pipe shall be cut out and removed. The undamaged portions of the pipe shall be rejoined using the butt fusion joining method.
- g) Pipe Joining: Sections of polyvinylchloride pipe and polyethylene pipe should be joined into continuous lengths on the job site above ground. The joining method shall be performed in strict accordance with the pipe manufacturer's recommendations. The butt fusion equipment used in the joining procedure shall be capable of meeting all conditions recommended by the pipe temperature, alignment, and fusion pressure.
- h) Handling of Fused Pipe: Fused segments of pipe shall be handled so as to avoid damage to the pipe. When lining fused sections of pipe, chains or cable-type chokers should be avoided. Nylon slings are preferred. Care should be exercised to avoid cutting or gouging the pipe.
- 04) EXISTING FLOW
- a) The Contractor shall provide bypass pumping as detailed in Specification Section D-756 – Wastewater Flow Control.
 - b) The Contractor shall be responsible for maintaining continuous sanitary sewer service to each property connected to the segment of sewer subject to pipe sliplining operations.
 - c) If sewage backup occurs and enters buildings, the Contractor shall be responsible for clean-up, disinfection, repair, property damage, as well as resultant costs and claims.

05) PRE-INSTALLATION CCTV INSPECTION

Pipelines that will be upgraded by sliplining and shall be televised (CCTV) in conformance with the City of Atlanta Specification for Internal Sewer Condition Assessment for CCTV sewer inspection. (Section D-754)

CCTV inspection conditions shall include the following:

- 1) Preconstruction video CDs shall be available for viewing by the Engineer before construction begins and throughout the project.
- 2) Video CDs shall remain property of the City. Contractor shall retain second copy for internal use.
- 3) All flows tributary to reach of sewer being inspected are to be completely by-passed around the reach during preconstruction inspection if necessary and required by the City.
- 4) If any portion of the inspection video is of inadequate quality or coverage, as determined by the City, the Contractor will have the portion re-inspected at no additional expense to the City.

06) PRE-INSTALLATION CLEANING

- a) Host pipe shall be cleaned in accordance with all applicable standards and guidelines. Unless otherwise specified, all interior pipe surfaces shall be cleaned per AWWA M28.
- b) Hazardous materials shall be removed and disposed of per all applicable regulations.
- c) All pipelines shall be cleaned with as many passes as necessary to create a uniform interior host pipe surface free of all loose material and sharp edges. Any potentially deleterious areas of the host pipe should be removed or secured in place, prior to the insertion of the new pipe.

07) CORRECTION OF PIPE SAG OR BLOCKAGE

- a) Significant sags in the sewer pipe or a blockage must be corrected prior to renewing the sewer pipe by sliplining. Correction will be accomplished by point repair as directed by the Engineer.

08) CONSTRUCTION METHOD

- a) DELETED.

- b) The Contractor shall install all pulleys, rollers, bumpers, alignment control devices and other equipment required to protect existing manholes, and to protect the new pipe from damage during installation. Lubrication may be used as recommended by the manufacturer. Under no circumstances shall the pipe be stressed beyond its elastic limit (polyvinylchloride and polyethylene) or compressive or tensile limit (vitrified clay and ductile iron).
- c) Trenching and Backfill: All trenching and backfill shall be in accordance with Section 02200 and standard details on the Drawings and as indicated below:
- 1) Trench Construction: The trench and trench bottom should be constructed in accordance with ASTM D 2321 – Section 7.
 - 2) Embedment Material: Embedment materials should be Class I, Class II, or Class III materials as defined in ASTM D 2321 – Section 6. The use of Class IV and/or Class V materials for embedment is not recommended and should be allowed only with the approval of the engineer.
 - 3) Bedding: Bedding of the pipe should be performed in accordance with ASTM D 2321 –Section 8. Compaction should be specified in ASTM D 2321. Deviation from the specified compaction shall be approved by the engineer.
 - 4) Haunching and Initial Backfill: Haunching and initial backfill should be as specified in ASTM D 2321- Section 9 using Class I, Class II, or Class III materials. Materials used and compaction shall be as specified by the engineer. Compaction 85% Standard Proctor Density must be maintained in unpaved areas. Paved areas will require a higher level of compaction in accordance with the pavement design criteria.
 - 5) Special Conditions: ASTM D 2321 – Section 11.2, Minimum Cover for Load Application, Section 11.3, Use of Compaction Equipment and Section 11.4, Removal of Trench Protection, should apply unless directed otherwise by the engineer.
- d) Excavation and Access Pits
- 1) Access pit length shall be such that the minimum bending radius for the replacement pipe, per the pipe supplier is maintained. Sheeting, shoring and bracing requirements shall be in accordance

with these specifications and applicable jurisdictional standards.

- 2) Access pit excavations shall be performed at all points where replacement pipe will be inserted into the existing pipeline. When possible, access pit excavations shall coincide with host pipe lateral connection points or other appurtenance installations.
- e) Pulling Equipment
- 1) The pulling mechanism shall be properly connected to the end of the new pipe via a pulling head or arrangement approved by the pipe supplier.
 - 2) The maximum pulling tension on the new pipe shall not exceed the pipe supplier's safe pulling force as submitted for this project.
 - 3) Immediately following the completion of an installation by sliplining, if possible, the pipe should be pushed back into the location of the insertion, at the pulling head, until a small amount of movement is realized at the insertion pit on the other side of the installation from the pulling equipment.

09) ANNULAR SPACE GROUTING

- a) The annular space between the outside of the replacement pipe and the inside of the existing host pipe shall be filled with a flowable grout in accordance with the contract documents.
- b) Samples of grout shall be obtained in accordance with ASTM C495. One set of four standard cylinders shall be cast for each batch. Special handling and sampling procedures shall be followed if indicated by the grout manufacturer. The samples must meet the design compressive strength of the grout as outlined in this specification and per the grout manufacturer. Samples shall be tested in accordance with ASTM C495.
- c) Grouting of the annular space shall be done in such a manner as to prevent damage, floating, or collapse of the replacement pipe. Grouting operations shall be properly vented. If the distance between grout points exceeds the Contractor's pumping capability additional grouting points shall be excavated. The replacement pipe shall not be grouted above the springline of the existing host pipe at access pits, service connections, and grouting points.
- d) The replacement pipe shall be filled with water prior to the grouting procedure. This shall aid in keeping the replacement pipe from floating or collapsing during grouting operation and also aid in dissipating the heat of hydration and its effects on the new pipe as the grout cures.

10) POST-INSTALLATION CCTV INSPECTION

- a) All costs associated with the post-installation CCTV inspection shall be considered incidental to the sliplining work.
- b) Following the installation of the new pipelines, CCTV inspection shall be performed in accordance with the requirements of the City of Atlanta Specification of Internal Sewer Condition Assessment (Section D-754 in these Specifications). The finished video shall be continuous over the entire length of the sewer between two manholes and shall be completely free from visual defects.
- c) Defects, which may affect the integrity or strength of the pipe in the opinion of the Engineer, shall be repaired or the pipe replaced at the Contractor's expense.
- d) Video shall remain property of the City. Contractor shall retain second copy for internal use.
- e) Post construction video shall be available to view within one month after the project is completed. Post construction video and a CD-ROM conversion of the documented videos shall be submitted to the City before final invoices, reduction of retainage or release of any retainage withheld.
- d) If any portion of the inspection tapes is of inadequate quality or coverage, as determined by the City, the Contractor will have the portion re-inspected and video taped at no additional expense to the City.

11) FUSIBLE POLYVINYLCHLORIDE PIPE JOINING

- a) Fusible polyvinylchloride pipe will be handled in a safe and non-destructive manner before, during, and after the fusion process and in accordance with this specification and pipe supplier's guidelines.
- b) Fusible polyvinylchloride pipe will be fused by qualified fusion technicians holding current qualification credentials for the pipe size being fused, as documented by the pipe supplier.
- c) Pipe supplier's procedures shall be followed at all times during fusion operations.
- d) Each fusion joint shall be recorded and logged by an approved electronic monitoring device (data logger) connected to the fusion machine, which

utilizes a current version of the pipe supplier's recommended and compatible software.

- e) Only appropriately sized and outfitted fusion machines that have been approved by the pipe supplier shall be used for the fusion process. This includes requirements for safety, maintenance, and operation with modifications made for PVC.

12) HDPE PIPE JOINING

- a) The polyethylene pipe shall be assembled and joined at the site using the butt-fusion method to provide a leak proof joint in strict accordance with the manufacturer's instructions and ASTM D 2657. Threaded or solvent-cement joints and connections are not permitted.
- b) All equipment and procedures used shall be used in strict compliance with the manufacturer's instructions and recommendations. Fusing shall be accomplished by personnel who are certified as fusion technicians by a manufacturer of polyethylene pipe and/or fusing equipment.
- c) The butt-fused joint shall be true alignment and shall have uniform rollback beads resulting from the use of proper temperature and pressure. The joint shall be allowed adequate cooling time before removal of pressure. The fused joint shall be watertight and shall have tensile strength equal to that of the pipe.
- d) All joints shall be subject to acceptance by the Engineer and/or Engineer's representative prior to insertion. All defective joints shall be cut out and replaced at no cost to the City. Any section of the pipe with a gash, blister, abrasion, nick, scar, or other deleterious fault greater in depth than ten percent (10%) of the wall thickness, shall not be used and must be removed from the site. However, a defective area of the pipe may be cut out and the joint fused in accordance with the procedures stated above.
- e) Any section of the pipe having other defects such as concentrated ridges, discoloration, excessive spot roughness, pitting, variable wall thickness or any other defect of manufacturing or handling as determined by the Engineer and/or his representative shall be discarded and not used.
- f) Terminal sections of pipe that are joined within the insertion pit shall be connected with Central Plastics Electrofusion Couplings or connectors with tensile strength equivalent to or greater than that of the pipe being joined.

13) INFILTRATION AND EXFILTRATION TESTING

- a) Pipelines rehabilitated and replaced shall be tested for watertightness in accordance with Specification Section D-750. This applies to ductile iron and HDPE replacement pipe. All inlets to the system shall be effectively closed and any residual flow shall be deemed to be infiltration.
 - b) Notwithstanding the satisfactory completion of the above test for pipelines, if there is any discernible flow of water entering rehabilitated pipelines or manholes, at a point that can be located by visual or CCTV inspection, the Contractor shall take such additional measures required by the Engineer to stop infiltration at the Contractor's expense.
 - c) All costs associated with the watertightness test and foregoing requirements shall be considered incidental to the work and shall be included in the unit price.
- 14) POST INSTALLATION DEFLECTION
- a) All polyethylene pipe installed by sliplining shall be subjected to a visual deflection check to determine if ovality greater than 10% exists by observation of the post installation CCTV inspection.
 - b) The deflection test shall be performed by the Contractor in the presence of the Engineer. All costs associated with the deflection test and foregoing requirements shall be considered incidental to the sliplining work and shall be included in the unit price for sliplining.

PART 4 – WARRANTY

01) MATERIAL WARRANTY

- a) A written guarantee of 5 years, submitted to the City for the specific project, shall be provided by the Manufacturer against any breakdown of the polyethylene or fiberglass reinforced polymer mortar pipe material effectiveness.

02) WORKMANSHIP WARRANTY

- a) A written guarantee of 2 years minimum shall be provided by the Contractor against any shortcoming in Workmanship.

PART 5 - MEASUREMENT AND PAYMENT

01) METHOD OF MEASUREMENT

- a) The total length of completed and approved HDPE Sliplining shall be counted for payment. Pipe lengths shall be measured from center to center of manholes, with a 4 foot subtraction made at each intermediate manhole and a 2 foot subtraction made at beginning or termination manholes.

02) BASIS OF PAYMENT

- a) Payment shall be made at the contract unit price of HDPE sliplining for each of the pipe diameters required by the plans. This price shall be full compensation for liner installation, annular grouting, connection of the liner at the manholes, cleaning, testing of liner, initial and final CCTV inspections.
- b) Payment will be made under:

Item D-753-1 – Sliplining, 18” HDPE – Per Linear Foot

END OF SECTION D-753

SECTION D-756 WASTEWATER FLOW CONTROL

PART 1 – GENERAL

01) SCOPE

- a) The objective of flow bypass and/or diversion pumping is to:
 - 1) Maintain an efficient and uninterrupted level of service to wastewater collection system users while maintenance or construction operations (including rehabilitation, repair or replacement) are facilitated on the segment or segments being bypassed and/or from which flow is being diverted, within the wastewater collection system
 - 2) Ensure all levels of sewage flow are continuously and effectively handled around the segment or segments of sewer being bypassed and/or from which flow is being diverted by:
 - a) Ensuring that bypass and diversion pumps are adequately fueled, lubricated and maintained
 - b) Ensuring backup spare parts are expeditiously applied to the flow bypass and/or diversion pumping system in the event of component breakdown
 - c) Ensure an emergency backup plan is smoothly implemented in the event of system failure
 - d) Preventing backup, spillage, flooding or overflow onto streets, yards and unpaved areas or into buildings, adjacent ditches, storm sewers, and waterways, while flow bypass or diversion pumping takes place and ensure that installation, startup and subsequent disassembly of the flow bypass and diversion pumping system is smoothly transitioned
- b) ***An experienced bypass/diversion pump maintenance operator/mechanic and/or assistant shall be responsible for monitoring the operation of the entire bypass/diversion system.*** The operator/mechanic and/or assistant shall comprehensively, methodically and continuously:
 - 1) Adjust pump speed as appropriate so as not to adversely impact upstream or downstream flow condition levels
 - 2) Check that the effectiveness and security of bulkheads, dams, diaphragms, plugs, valves, weirs, and all other flow control devices are working effectively and according to plan.
 - 3) Check the integrity of hoses and couplings along the entire bypass/diversion system.

- 4) Monitor fuel tanks and refuel as necessary
 - 5) Monitor lubrication levels and provide additional lubrication as necessary.
 - 6) Facilitate minor repairs as required
 - 7) Report on potential problems arising
 - 8) Inspect bypass-pumping system at least hourly to ensure that the system is working correctly.
 - 9) Maintain adequate supply of spare parts on site as required.
- c) Bypass pumping systems shall include a sufficient amount of discharge piping, bends and accessories to accommodate site conditions with minimal disruption and damage to the existing landscape.

02) SUBMITTALS

- a) The design, installation, and operation of the temporary pumping system shall be the Contractor's responsibility. The Contractor shall employ the services of a vendor that can demonstrate to the Engineer that the vendor specializes in the design and operation of temporary bypass pumping systems. The vendor shall provide at least three (3) references of projects of a similar size and complexity as this project, which were successfully performed by the vendor's firm within the past three years. The reference shall include the name of the agency, the name of the project, the date of the project, and the agency contact (telephone, fax, and e-mail). The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction. (Submit at Pre-Construction Meeting)
- b) During the course of the project, the detailed, work-specific Bypass Pumping/Flow Diversion Plan for any bypass utilizing multiple pumps, or a single pump greater than 4" discharge, shall be submitted to the Engineer at least 10 days before required. This plan shall outline all provisions and precautions, to be taken by the Contractor, regarding the handling of existing wastewater flows. This plan must be specific and complete, including such items as schedules, locations, elevations, capacities of equipment, materials and all other incidental items necessary and/or required to insure proper protection of the facilities. The Plan shall also include details of protection of the access and bypass pumping locations from damage due to the discharge flows, compliance with the requirements and permit conditions specified in these Contract Documents. No construction shall begin until all provisions and requirements have been reviewed and authorized by the Engineer.
- c) The Contractor shall submit two copies of the Flow Bypass Pumping/Flow Diversion Plan, described in Item 1.02(B) above, for each sewer bypass set-up with sufficient detail to show:
- 1) Staging areas for pumps
 - 2) Sewer plugging method and types of plugs

- 3) Number, size, material, location, and method of installation of suction piping
 - 4) Bypass pump sizes, capacity, number of each size to be on site and power requirements.
 - 5) Calculations for selection of bypass pump size
 - 6) Standby power generator size, location
 - 7) Downstream discharge plan
 - 8) Method of protecting discharge manholes or structures from erosion and damage
 - 9) Thrust and restraint block sizes and locations
 - 10) Sections showing suction and discharge pipe depth, embedment, select fill and special backfill where required
 - 11) Method of noise control for each pump and/or generator
 - 12) Any temporary pipe supports, including rollers and elevated rollers, as well as anchoring required
 - 13) Design plans and computation for access to bypass pumping locations indicated on the drawings
 - 14) Schedule for installation of and maintenance of bypass pumping lines
 - 15) Plan indicating selection location of bypass pumping line locations
 - 16) The Plan shall indicate the means by which flows from service laterals will be accommodated
- d) All proposed flow control arrangements, including flow bypass and/or diversion pumping plans for sewers, shall also include an emergency response plan to be followed in the event of a failure of the bypass pumping and/or diversion system. Contractor's emergency response plan shall be in accordance with the City's Emergency Response Plan.
- e) The Contractor shall notify the Engineer 24 hours prior to commencing actual flow bypass and/or diversion pumping operations. The Contractor flow control proposal shall be agreed to by the Engineer before the Contractor shall be allowed to commence sewerage bypass pumping and/or diversion.

03) DELETED

04) RESPONSIBILITY FOR OVERFLOWS OR SPILLS

- a) It shall be the responsibility of the Contractor to schedule and perform his work in a manner that does not cause or contribute to incidence of overflows or spills of sewage from the sewer system.
- b) In the event of overflows caused by the Contractor's work activities, the Contractor shall immediately take appropriate action in accordance with the City's Emergency Response Plan (ERP), to contain and stop the overflow, clean up the spillage, disinfect the area affected by the spill, and notify the designated Engineer in a timely manner. The Contractor shall prepare his own written Standard Operating Procedure (SOP) for handling and reporting spills, which shall be compatible with the City's ERP.
- c) Contractor will indemnify and hold harmless the City for any fines or third-party claims for personal or property damage arising out of a spill or overflow that is fully or partially the responsibility of the Contractor, including the legal, engineering and administrative expenses of the City in defending such fines and claims.

PART 2 – PRODUCTS

01) PUMPING EQUIPMENT

- a) All pumps used shall be fully automatic self-priming units that do not require the use of foot-valves or vacuum pumps in the priming system. The pumps may be electric or diesel powered. All pumps used must be constructed to allow dry running for long periods of time to accommodate the cyclical nature of effluent flows.
- b) The Contractor shall provide the necessary stop/start controls for each pump.
- c) The Contractor shall include one stand-by pump of each size to be maintained on site for each by pass set up unless otherwise agreed with the Engineer.
- d) The Contractor shall design all piping, joints, and accessories to withstand twice the maximum system pressure or 50 psi, whichever is greater. The back-up pump, appropriate piping, fuel, lubrication and spare parts shall be incorporated into the bypass arrangement at the site, ready for use in case of breakdown. A bypass "drill" shall be carried out by the Engineer before the bypass arrangement is accepted on all sewers > 12" diameter, at no cost to the City. The drill shall demonstrate the incorporation of all standby equipment to handle flows when the main pump set is switched off. The Engineer's instructions following the drill shall be adhered to in full at no additional cost to the City.

- e) No more than two (2) pump discharge hoses shall be used for the bypass/diversion over the length of the line of segment(s). If the flow exceeds the capacity of 2 "hoses", then rigid piping shall be used. The rigid piping shall consist of HDPE or steel pipes with suitably pressure rated couplings to withstand twice the maximum system pressure or 50 psi, whichever is greater.
- f) Under no circumstances will aluminum "irrigation" type piping or glued PVC pipe be allowed. Discharge hose will only be allowed in short sections and by specific permission from the Engineer.

02) SYSTEM DESCRIPTION

a) Design Requirements:

- 1) Bypass pumping systems shall have sufficient capacity to pump a peak flow in the pipes that are being rehabilitated or repaired. The Contractor shall provide all pipeline plugs, pumps of adequate size to handle wet weather peak flows, and temporary discharge piping to ensure that the total flow of the main can be safely diverted around the section to be repaired. Bypass pumping system will be required to be operated 24 hours per day.
- 2) The Contractor shall have adequate standby equipment available and ready for immediate operation and use in the event of an emergency or breakdown. One standby pump for each size pump utilized shall be installed at the mainline flow bypassing locations, ready for use in the event of primary pump failure.
- 3) Bypass pumping system shall be capable of bypassing the flow around the work area and of releasing any amount of flow, up to full available flow, into the work area as necessary for satisfactory performances of work.
- 4) The Contractor shall make all arrangements for bypass pumping during the time when the main is shut down for any reason. System must overcome any existing force main pressure on discharge.

b) Performance Requirements:

- 1) It is essential to the operation of the existing sewerage system that there is no interruption in the flow of sewage throughout the duration of the project. To this end, the Contractor shall provide, maintain and operate all temporary facilities such as dams, plugs, pumping equipment (both primary and back-up units as required), conduits, all necessary power, and all other labor and equipment necessary to intercept the sewage flow before it reaches the point where it would interfere with his work, carry it past his work, and return it to the existing sewer downstream of his work.
- 2) The design, installation, and operation of the temporary pumping system shall be the Contractor's responsibility. The bypass system shall be the

- Contractor's responsibility. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction.
- 3) The Contractor shall provide all necessary means to safely convey the sewage past the work area. The contractor will not be permitted to stop or impede the main flows under any circumstances.
 - 4) The Contractor shall maintain sewer flow around the work area in a manner that will not cause surcharging of sewers, damage to sewers and that will protect public and private property from damage and flooding.
 - 5) The Contractor shall protect water resources wetlands and other natural resources.

PART 3 – EXECUTION

01) PLANNING

- a) The Contractor shall be solely responsible for planning and executing sewer flow control, bypass, and diversion pumping operations. The Contractor shall be entirely liable for damages to private or public property that may result from his operations and for all cleanup, disinfection, damages, and resultant fines in the event of a spillage, flooding or overflow.

02) GENERAL

- a) If, during normal rehabilitation work on manholes and sewers, where flow control devices, including flow bypass and diversion pumping have not been deployed, and wastewater flow depth exceeds the workable levels, the rehabilitation work shall be discontinued immediately. Rehabilitation work shall only resume when minimum flow levels prevail— normally between 2:00 am to 5:30 a.m. Under these circumstances, one or more of the following flow control systems shall be deployed at no additional cost to the City:
 - 1) Plugging or blocking
 - 2) High-velocity jet nozzles
 - 3) Bypass and/or diversion pumping
- b) Before any flow control arrangement is installed, the Contractor shall arrange to de-silt the segment of sewer to be bypassed while still under flow. Subsequent jetting and final cleaning before rehabilitation or repair shall be undertaken while the segment of sewer is bypassed.
- c) Precautions:
 - 1) Contractor is responsible for locating any existing utilities in the area the Contractor selects to locate the bypass pipelines. The Contractor shall locate his bypass pipelines to minimize any disturbances to existing utilities and shall obtain approval of the pipeline locations from the City and the

Engineer. All costs associated with relocating utilities and obtaining all approvals shall be paid by the Contractor.

- 2) During all bypass-pumping operations, the Contractor shall protect mains, manholes, and all local sewer lines from damage caused by any equipment. The Contractor shall be responsible for all physical damage to mains, manholes, and all local sewer lines caused by human or mechanical failure.

03) PLUGGING OR BLOCKING

- a) Insert sewer line plug into the line at a manhole upstream from the manhole or sewer that is to be rehabilitated and tested. For manhole rehabilitation, the plug shall be designed so that a portion of the sewage can be released downstream. During this portion of the operation, shut off or substantially reduce flows so that the manhole can be properly cleaned, prepared, and rehabilitated. Flow shall be shut off as required, to properly rehabilitate the manhole or sewer.
- b) Plugging or blocking of sewage flows shall incorporate primary and secondary plugging device. When plugging or blocking is no longer needed for performance and acceptance or work, it is to be removed in a manner that permits the sewage flow to slowly return to normal without surge, to prevent surcharging or causing other major disturbances downstream.

04) FLOW BYPASS AND/OR DIVERSION PUMPING SCHEDULING

- a) If the City is operating or maintaining conventional pumping facilities and/or flow bypass and/or diversion pumping in the construction area of the present Contract, the Contractor shall coordinate with the City as necessary to determine and effect optimum working arrangements.
- b) The Contractor shall immediately cease bypass and/or diversion pumping when so ordered by the City.

05) ENVIRONMENTAL PROTECTION MEASURES

- a) During flow bypass and/or diversion pumping, the Contractor is prohibited from allowing any sewage to be dumped, or spilled in or onto the ground or any area outside of the existing wastewater collection system. In addition, due care and attention shall be given to prevent vehicular or pump fuel or lubrication oil to be leaked.

06) PIPE RESIDUE

- a) When flow bypass and diversion pumping operations are complete, the residual contents of sewage in piping shall be drained into the existing sewer prior to disassembly.

PART 4 - MEASUREMENT AND PAYMENT**01) METHOD OF MEASUREMENT**

No direct measurement for payment will be made for this work under this section.

02) BASIS OF PAYMENT

a) Payment shall be made at the contract lump sum price for Wastewater Flow Control. This price shall be full compensation for all submittals, equipment, tools and incidentals necessary to complete the item.

b) Payment will be made under:

Item D-756-1 – Wastewater Flow Control – Per Lump Sum

END OF SECTION D-756

Attachment No. 3

Exhibit I

**HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT
FC-8357; PERMANENT SOLUTION TO SEWER FORCE MAIN BREAK**

EXHIBIT "I", QUALITY CONTROL PROGRAM

1.1 Program Plan.

Prior to commencing work at any work site, Contractor shall prepare and submit a Project specific Quality Control Plan. This plan shall cover controls instituted to assure quality of the Work and the documenting of any other significant quality activities, materials certification and testing submittals, procedural direction, and specific technical instructions.

1.2 General.

The Contractor shall establish, provide, and maintain an effective Quality Control Program. Although guidelines are established and certain minimum requirements are specified herein and elsewhere in the Contract technical specifications, the Contractor shall assume full responsibility for accomplishing the stated purpose. The intent of this section is to enable the Contractor to establish a necessary level of control that will:

- (1) Adequately provide for the production of acceptable quality materials.
- (2) Provide sufficient information to assure both the Contractor and the ENGINEER that the specification requirements can be met.

The Contractor shall be prepared to discuss and present, at the Pre-Construction Conference, his/her understanding of the quality control requirements. The Contractor shall not begin any construction or production of materials to be incorporated into the completed work until the Quality Control Program has been reviewed by the ENGINEER. No partial payment will be made for materials subject to specific quality control requirements until the Quality Control Program has been reviewed. The quality control requirements contained in this section and elsewhere in the Contract technical specifications are in addition to and separate from the acceptance testing requirements. Acceptance testing requirements are the responsibility of the ENGINEER.

1.2.1 Description of Program.

- A. **General Description.** The Contractor shall establish a Quality Control Program to perform inspection of all items of work required by the technical specifications, including those performed by subcontractors. This Quality Control Program shall detail the methods and procedures that will be

taken to ensure conformance to applicable specifications and Contract plans with respect to materials, workmanship, construction, finish, and functional performance. The Quality Control Program shall be effective for control of all construction work performed under this Contract and shall specifically include surveillance required by the technical specifications, in addition to other requirements of this section and any other activities deemed necessary by the Contractor to establish an effective level of quality control.

- B **Quality Control Program**. The Contractor shall describe the Quality Control Program in a written document, which shall be reviewed by the ENGINEER prior to the start of any production, construction, or offsite fabrication. The written Quality Control Program shall be submitted to the ENGINEER for review at least fifteen (15) calendar days before the mobilization.

The Quality Control Program shall be organized to address, at a minimum, the following items:

- (1) Quality control organization;
- (2) Submittals schedule;
- (3) Inspection requirements;
- (4) Quality Control Testing Plan;
- (5) Documentation of quality control inspection activities; and
- (6) Requirements for corrective action when quality assurance and/or acceptance criteria are not met. The Contractor is encouraged to add any additional elements to the Quality Control Program that he/she deems necessary to adequately control all production and/or construction processes required by this Contract.
- (7) Inspection of all materials, construction, plant, and equipment for conformance to the technical specifications, and as required by Section 1.2.
- (8) Performance of all quality control tests as required by the technical specifications and Section 1.2. Certification at an equivalent level, by a state or nationally recognized organization will be acceptable.

1.2.2 Quality Control Organization. The Contractor's Quality Control Program shall be implemented by the establishment of a separate quality control organization. An

organizational chart shall be developed to show all quality control personnel and how these personnel integrate with other management/production and construction functions and personnel. The organizational chart shall identify all quality control staff by name and function, and shall indicate the total staff required to implement all elements of the Quality Control Program, including inspection for each item of work. If necessary, different technicians can be utilized for specific inspection functions for different items of work. The quality control organization shall consist of the following minimum personnel:

- A. **Program Administrator**. The Program Administrator shall be a full-time employee of the Contractor, or a consultant engaged by the Contractor. The Program Administrator shall have a minimum of five (5) years of experience in airport and/or highway construction and shall have had prior quality control experience on a project of comparable size and scope as the Contract.

The Program Administrator shall have full authority to institute any and all actions necessary for the successful implementation of the Quality Control Program to ensure compliance with the Contract plans and technical specifications. The Program Administrator shall report directly to a responsible officer of the construction firm. The Program Administrator may supervise the Quality Control Program on more than one project provided that person can be at the job site within two (2) hours after being notified of a problem.

- B. **Quality Control Technicians**. A sufficient number of quality control technicians necessary to adequately implement the Quality Control Program shall be provided. These personnel shall be either ENGINEERS, engineering technicians, or experienced craftsman with qualifications in the appropriate field and shall have a minimum of two (2) years of experience in their area of expertise. The quality control technicians shall report directly to the Program Administrator and shall perform inspection of all materials, construction, and equipment for conformance to the technical specifications, and as required by Section 1.2.

- C. **Staffing Levels**. The Contractor shall provide sufficient qualified quality control personnel to monitor each work activity at all times.

1.2.3 Submittals Schedule. The Contractor shall submit a detailed listing of all submittals (for example, mix designs, material certifications) and shop drawings required by the technical specifications. The listing can be developed in a spreadsheet format and shall include:

- (1) Specification item number;

- (2) Item description;
- (3) Description of submittal;
- (4) Specification paragraph requiring submittal; and
- (5) Scheduled date of submittal.

1.2.4 Inspection Requirements. Quality control inspection functions shall be organized to provide inspections for all definable features of work, as detailed below. All inspections shall be documented by the Contractor as specified by Section 1.2. Inspections shall be performed daily to ensure continuing compliance with Contract requirements until completion of the particular feature of work. These shall include the following minimum requirements:

- A. During plant operation for material production, quality control test results and periodic inspections shall be utilized to ensure the quality of aggregates and other mix components, and to adjust and control mix proportioning to meet the approved mix design and other requirements of the technical specifications. All equipment utilized in proportioning and mixing shall be inspected to ensure its proper operating condition.
- B. During field operations, quality control test results and periodic inspections shall be utilized to ensure the quality of all materials and workmanship. All equipment utilized in placing, finishing, and compacting shall be inspected to ensure its proper operating condition and to ensure that all such operations are in conformance to the technical specifications and are within the plan dimensions, lines, grades, and tolerances specified.

1.2.5 Quality Control Testing Plan. As a part of the overall Quality Control Program, the Contractor shall implement a quality control testing plan, as required by the technical specifications. The testing plan shall include the minimum tests and test frequencies required by each technical specification Item, as well as any additional quality control tests that the Contractor deems necessary to adequately control production and/or construction processes. The testing plan can be developed in a spreadsheet fashion. All quality control test results shall be documented by the Contractor as required by Section 1.2.6.

1.2.6 Documentation. The Contractor shall maintain current quality control records of all inspections performed. These records shall include factual evidence that the required inspections have been performed, including type and number of inspections involved; results of inspections; nature of defects, deviations, causes for rejection, etc.; proposed remedial action; and corrective actions taken. These

records must cover both conforming and defective or deficient features, and must include a statement that all supplies and materials incorporated in the work are in full compliance with the terms of the Contract. Legible copies of these records shall be furnished to the ENGINEER daily. The records shall cover all work placed subsequent to the previously furnished records and shall be verified and signed by the Contractor's Program Administrator. Specific Contractor quality control records required for the Contract shall include, but are not necessarily limited to, the following records:

1.2.6.1 Daily Inspection Reports. Each Contractor quality control technician shall maintain a daily log of all inspections performed for both Contractor and subcontractor operations on a form acceptable to the ENGINEER. These technician's daily reports shall provide factual evidence that continuous quality control inspections have been performed and shall, as a minimum, include the following:

- (1) Technical specification item number and description;
- (2) Compliance with approved submittals;
- (3) Proper storage of materials and equipment;
- (4) Proper operation of all equipment;
- (5) Adherence to plans and technical specifications; and
- (6) Safety inspection.

The daily inspection reports shall be signed by the responsible quality control technician and the Program Administrator. The ENGINEER shall be provided at least one copy of each daily inspection report on the workday following the day of record

1.2.6.2 Test Reports. The Contractor shall be responsible for establishing a system, which will record all quality control test results. Test results shall be submitted to the Engineer prior to the start of the next day's work period. When required by the technical specifications, the Contractor shall maintain statistical quality control charts. The test reports shall be signed by the responsible quality control technician. Test reports shall document the following information:

- (1) Technical specification item number and description;
- (2) Test designation;
- (3) Location;
- (4) Date of test;
- (5) Control requirements;
- (6) Test results;
- (7) Causes for rejection;
- (8) Recommended remedial actions; and
- (9) Retests.

1.2.7 Corrective Action Requirements. The Quality Control Program shall indicate the appropriate action to be taken when a process is deemed, or believed, to be out of control (out of tolerance) and detail what action will be taken to bring the process into control. The requirements for corrective action shall include both general requirements for operation of the Quality Control Program as a whole, and for individual items of work contained in the technical specifications. The Quality Control Program shall detail how the results of quality control inspections and tests will be used for determining the need for corrective action and shall contain clear sets of rules to gauge when a process is out of control and the type of correction to be taken to regain process control. When applicable or required by the technical specifications, the Contractor shall establish and utilize statistical quality control charts for individual quality control tests. The requirements for corrective action shall be linked to the control charts.

The ENGINEER will notify the Contractor of any noncompliance with any of the foregoing requirements. The Contractor shall, after receipt of such notice, immediately take corrective action. Any notice, when delivered by the ENGINEER or his designated representative to the Contractor or his/her authorized representative at the site of the work, shall be considered sufficient notice.

In cases where quality control activities do not comply with either the Contractor's Quality Control Program or the Contract provisions, or where the Contractor fails to properly operate and maintain an effective Quality Control Program, as determined by the ENGINEER, the ENGINEER may:

- (1) Order the Contractor to replace ineffective or unqualified quality control personnel or subcontractors.
- (2) Order the Contractor to stop operations until an appropriate corrective action is taken.

1.2.8 Surveillance by the Engineer. All items of material and equipment shall be subject to surveillance by the CITY at the point of production, manufacture or shipment to determine if the Contractor, producer, manufacturer or shipper maintains an adequate quality control system in conformance with the requirements detailed herein and the applicable technical specifications and plans. In addition, all items of materials, equipment and work in place shall be subject to surveillance by the CITY at the site for the same purpose.

Surveillance by the ENGINEER does not relieve the Contractor of performing quality control inspections of either "on-site" or "off-site" Contractor's or subcontractor's work.

1.3 Plan Update.

The Quality Control Plan shall reflect the interfaces between CITY or its designated representatives, Contractor, and other relevant organizational entities. It shall contain all appropriate interface control instructions. The plan shall be updated as necessary during this Contract to reflect any changes in the plan. The Quality Control Plan shall provide for the issuance of a "stop work" order by the Contractor or ENGINEER at any time during the Work when significant adverse quality trends and/or deviations from the approved Quality Control Program are found.

Attachment No. 4

Appendix C

APPENDIX C

LOCAL BIDDER PREFERENCE PROGRAM

APPENDIX C- Local Bidder Preference Program

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STATEMENT OF POLICY

The City of Atlanta (the “City”) has a significant interest in encouraging the creation of employment opportunities for its residents and for businesses located within the City. As a purchaser of goods and services, the City will benefit from expanded job and business opportunities for its residents and businesses through additional revenues generated by its activities. It is in the interest of the City and its residents to give preference on Local Projects to those Contractors who have direct physical and economic relationships with the City.

APPENDIX C- Local Bidder Preference Program

CERTIFICATION AS A LOCAL BIDDER

In order to be certified as a Local Bidder, a Contractor must submit a completed application to the Department of Procurement (“**DOP**”), and the applicant must be approved by the DOP.

A Contractor must submit a completed and signed application to become a Local Bidder before it will be allowed to receive a bid preference on a Local Project. In order to be approved as a Local Bidder and receive a bid preference on a Local Project, the application for approval as a Local Bidder and all supporting documents must be received by the DOP **no later than thirty (30) calendar days prior to the date the bids are received** on such Local Project. A Contractor who fails to submit an application for approval as a Local Bidder within thirty (30) calendar days prior to the date bids are received on an Local Project, and who otherwise meets the requirements for approval as a Local Bidder, shall be approved as a Local Bidder and receive a bid preference on such future Local Projects for which the date bids are received is at least thirty (30) calendar days after the date such application is received.

APPENDIX C- Local Bidder Preference Program

CRITERIA TO BE CERTIFIED AS A LOCAL BIDDER

To be certified as a Local Bidder, the Contractor **must** satisfy two (2) of the following criteria:

1. Verify that the Contractor's principal place of business is located in the City or that the Contractor has held a valid City business license for at least one (1) year prior to the date of the application.
2. Verify that a majority of the full time employees, chief officers, and managers of the Contractor have regularly conducted work and business in the City for at least one (1) year prior to the date of application.
3. Verify that a majority of the employees based at the Contractor's location(s) in the City have been residents of the City for at least one (1) year prior to the date of application.
4. Provide references or other means of verification acceptable to the DOP that the services the Contractor offers to the City have been provided by the Contractor in the City for at least one (1) year prior to the date of application. If the applicant is a Joint Venture or Mentor-Protégé team, each participant in the Joint Venture or Mentor-Protégé team must be approved independently as a Local Bidder in order for the Joint Venture or Mentor-Protégé team to receive the bid preference on Local Projects.

The application **must be typed, signed in blue ink** and provides instructions for required supporting documentation that Contractor must submit with the application for the criteria listed above.

APPENDIX C- Local Bidder Preference Program

TERM OF CERTIFICATION

The certification as a Local Bidder shall expire two (2) years from the date of the approval of the application. Following the expiration date, a business is no longer a Local Bidder. A Contractor must submit a new application for certification as a Local Bidder to the DOP and establish that it continues to meet the requirements contained in § 2-1188.1(d) in order to receive the bid preference on Local Projects.

Contractors certified as Local Bidders shall be under a continuing duty to immediately inform the DOP in writing of any changes in the Contractor's business if, as a result of such changes, the Contractor no longer satisfies the requirements contained in § 2-1188.1(d).

REQUIRED SUBMITALS WHEN PROJECT IS DESIGNATED AS LOCAL BIDDER PREFERENCE

Where bidders desire to receive a bid preference on this project, responses must include a copy of the City-issued Local Bidder Certificate or some other information which would confirm its local bidder preference certification status.



CITY OF ATLANTA

Kasim Reed
Mayor

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DEPARTMENT OF PROCUREMENT
Adam L. Smith, Esq., CPPO, CPPB
Chief Procurement Officer
asmith@atlantaga.gov

LOCAL BIDDER APPLICATION

SECTION ONE			
Business Name/DBA:			
Address:			
City:	State:	ZIP Code:	
Telephone Number:		Fax Number:	
Business Type (Please check one) : <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation, GA <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other: _____			
Principal or Corporate Office Name:			
Address:			
City:	State:	ZIP Code:	
Telephone Number:		Fax Number:	
Owner One - Name and Title:			
Address:			
City:	State:	ZIP Code:	
Telephone Number:		Fax Number:	
Owner Two - Name and Title:			
Address:			
City:	State:	ZIP Code:	
Telephone Number:		Fax Number:	
Officers/Partners One - Name and Title:			
Address:			
City:	State:	ZIP Code:	
Telephone Number:		Fax Number:	
Officers/Partners Two - Name and Title:			
Address:			
City:	State:	ZIP Code:	
Telephone Number:		Fax Number:	

SECTION TWO

To be certified as a Local Bidder, a potential bidder must satisfy no less than two (2) of the following criteria listed below. Please select **TWO (2)** of the following criteria which you satisfy to apply for certification as a Local Bidder. Additional documentation must be submitted with this application to verify that you satisfy the selected criteria. Instructions for submitting documentation to satisfy each of the criteria are located on the next page of this application.

- 1. Verify that the Potential Bidder's principal place of business is located in the City of Atlanta or that the Potential Bidder has held a valid City of Atlanta business license for at least one (1) year prior to the date of application.
- 2. Verify that a majority of the full-time employees, chief officers, and managers of the Potential Bidder have regularly conducted work and business in the City of Atlanta for at least one (1) year prior to the date of application.
- 3. Verify that a majority of the employees based at the Potential Bidder's location(s) in the City of Atlanta have been residents of the City of Atlanta for at least one (1) year prior to the date of application.
- 4. Provide references or other means of verification acceptable to the Department of Procurement, that the services the Potential Bidder offers to the City of Atlanta have been provided by the Potential Bidder in the City of Atlanta for at least one (1) year prior to the date of application.

If the applicant is a Joint Venture or Mentor-Protégé team, each participant in the Joint Venture or Mentor-Protégé team must be approved independently as a Local Bidder in order for the Joint Venture or Mentor-Protégé team to receive the bid preference on potential local projects.

Additional Instructions for Completing this Section

For each of the criteria you selected in Section II, the Department of Procurement requires that you submit the following supporting documentation with this application:

Business License

If you have a City of Atlanta business license, please provide a copy of Articles of Incorporation or Organization, or a copy of the Potential Bidder's most recent federal income tax return, or if the potential Bidder is a partnership, provide a copy of the Partnership Agreement.

Employees

Provide a list of all full time employees, chief officers, and managers at the Potential Bidder's locations. For those employees, chief officers, and managers who regularly conducted work and business in the City of Atlanta for at least one year prior to the date of application, please provide employee's name, business address, business phone number, a brief description of the work business performed in the City of Atlanta, and the number of years such work or business has been performed in the City of Atlanta.

Provide a list of all employees based at Bidder's Potential locations. For those employees who have been resident of the City of Atlanta for at least one year prior to the date of application, provide employee's name, address, phone number and number of years at residence.

References

Provide a notarized letter from at least three (3) customers of the Potential Bidder, which letters shall include the following information: (a) a description of services provided by the Potential Bidder to the customer that were performed at least one (1) year prior to the date of application; (b) the total dollar value of the services provided at least one (1) year prior to the date of application; and (c) a statement that the services the Potential Bidder offers to the City of Atlanta have been provided by the Potential Bidder in the City of Atlanta for at least one (1) year prior to the date of application.

SECTION THREE

Certification: This information herein is required by section 2-1188.1 Code of Ordinances of the City of Atlanta, Georgia.

I (name) _____ being the (title) _____
_____ of the business firm named, do hereby apply for local bidder certification. In accordance with local preference ordinance, city of Atlanta, Georgia: the undersigned certifies that he/she is the person duly authorized by the business herein named to file this application for local bidder certification, including the accompanying documentation and statements, and that same are true, correct and complete.

Signature of applicant: _____ Date: _____

GENERAL INFORMATION FOR APPLICANTS

- a) **Applicability:** This local preference program shall apply to any City contract as described in Code Section 2-1188, excluding competitive sealed proposals under Code Section 2-1189, small purchases not exceeding \$20,000 under Code Section 2-1190, sole source procurement under Code Section 2-1191, emergency procurement under Code Section 2-1192, competitive selection procedures for professional and consultant services under Code Section 2-1193, and federally-funded projects (referred to herein as “Potential Local Projects”).
- b) A Potential Bidder must submit a completed and signed written application to become a Local Bidder **before** it will be allowed to receive a bid preference on a Local Project.
- c) In order to be approved as a Local Bidder and receive a bid preference on a Potential Local Project, the application for approval as a Local Bidder and all supporting documents must be received by the Department of Procurement no later than thirty (30) calendar days prior to the date bids are received on such Potential Local Project.
- d) **Term:** The certification as a Local Bidder shall expire two (2) years from the date of the approval of the application. Following the expiration date, a business is no longer a Local Bidder. A Potential Bidder must submit a new application for certification as a Local Bidder to the Department of Procurement and establish that it continues to meet the requirements of section 2-1188.1 in order to continue receiving the bid preference on Potential Local Projects.
- e) Potential Bidders certified as Local Bidders shall be under a continuing duty to immediately inform the Department of Procurement in writing of any changes in the Potential Bidder’s business, if as a result of such changes, the Potential Bidder no longer satisfies the requirements.