



CITY OF ATLANTA

Kasim Reed
Mayor

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

October 25, 2016

Dear Potential Proponents:

Re: FC-9201, Clear Creek West Sewer Improvement Project

Attached is one (1) copy of **Addendum Number 2**, which is hereby made a part of the above-referenced project.

For additional information, please contact Ms. Joyce Webb, Contracting Officer, at (404) 330-6893 or by email at jnwebb@atlantaga.gov.

Sincerely,

Adam L. Smith

ALS/jnw



FC-9201, Clear Creek West Sewer Improvement Project

Addendum No. 2

October 25, 2016

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ADDENDUM NO. 2

This Addendum No. 2 forms a part of the Request for Proposals and modifies the original solicitation package as noted below and is issued to incorporate the following:

1. **Revised Proposal Due Date: Thursday, November 10, 2016 at 2:00 P.M., EST.**
2. **Attachment No. 1:** Responses to 28 Questions.
3. **Attachment No. 2:** Revised Cost Proposal (Revised 10/24/16).
4. **Revision:** Exhibit D-4, Preliminary Design Plans, Drawing S-05, Note 7, add the following at the end of the sentence: "The floor slab of the vault shall have a minimum $\frac{1}{4}$ " : 1'-0" slope toward the pilot channel. This slope can be achieved either by sloping the floor slab or by placing a sloped topping slab on a level floor slab."
5. **Revision:** Exhibit D-4, Preliminary Design Plans, Drawing S-02, Foundation Plan Notes No. 8, delete the second sentence.
6. **Revision:** Exhibit D-4, Preliminary Design Plans, Drawing S-02, in the text box, delete "4'-0" Thick (Min.) Foundation Mat" and replace with "The foundation mat, including thickness is to be determined by the design-builder. Design for buoyancy must be performed and options to resist buoyancy with an adequate factor of safety, one of which is increasing the foundation thickness, may be used if required."
7. **Revision:** Replace all language in the RFP referring to "an earth cap of fill atop the vault" to reflect "no fill on vault."
8. **Revision:** Technical Specification Section 07100, Part 2.01 Materials, Paragraph A, replace the second sentence in its entirety with the following: "Acceptable epoxy resin products are Tnemec Series 69, ameron Amercoat 351, and Porter 7600 Series Magna Coat or '**Approved Equal**'."
9. **Clarification:** Any manufacturers' names, trade names, brand names or catalogue numbers used in the specifications are for the purpose of describing and establishing general performance and quality levels. Such references are not intended to be restrictive. Proponents may propose with comparable brands or products provided the quality of the proposed products meet or exceed the quality of the specifications listed for any item. The City reserves the right to determine equivalency of all such items.
10. **Revision:** Exhibit C, Technical Specifications, Section 01400-4 Quality Assurance/Quality Control, Paragraph C, Item 1, replace the third sentence in its entirety with the following: "The QA/QC Manager must be on site daily while work is being performed by Proponent, to remedy and demonstrate that work is being performed properly and to make multiple observations of all Work in progress."



FC-9201, Clear Creek West Sewer Improvement Project

Addendum No. 2

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11. **Attachment No. 3:** Exhibit D-1, Design Criteria Package, Section 2.1.4, Revised Demolition Plans (Revised 10/24/16).
12. **Revision:** Exhibit D-1, Design Criteria Package, Section 2.1.3.4, delete the entire section.
13. **Revision:** Exhibit D-3, Basis of Hydraulic Design, Section 1.3 Civic Center Vault Expansion – Phase 2, delete the following sentence at the end of the first paragraph “Phase 2 also includes an 84-inch secondary relief line from the interstate to the 7.6 MG vault.”
14. **Attachment No. 4:** Exhibit D-4, Preliminary Design Plans, Drawing S-01, Revised Structural General Notes (Revised 10/24/16).
15. **Attachment No. 5:** Exhibit C, Technical Specifications, Revised Section 01200 Measurement and Payment (Revised 10/24/16).
16. **Attachment No. 6:** Letter Report of Geotechnical Exploration.
17. **Revision:** Exhibit D-4, Preliminary Design Plans, Drawing S-01, VIII Alternate Design, replace Note 3 in its entirety with the following “Provide written documentation that the proposed alternate approach will equal or exceed the corrosion resistance, chemical resistance, and integrity as the proposed cast-in-place structure including all bearing and connection points under all conditions that the vault could be subject to.”

The last day for questions was Thursday, October 6, 2016 at 5 P.M. EDT.

The Proposal due date HAS been modified and Proposals are due on Thursday, November 10, 2016 and should be time stamped in no later than 2:00 P.M. EST and delivered to the address listed below:

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

****All other pertinent information is to remain unchanged****



Acknowledgment of Addendum No. 2

Proponents must sign below and return this form with Proposal 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-9201, Clear Creek West Sewer Improvement Project** on this the _____ day of _____, 20__.

Legal Company Name of Proponent

Signature of Authorized Representative

Printed Name

Title

Date



ATTACHMENT NO. 1

RESPONSES TO 28 QUESTIONS

Questions

1. Design Criteria Package Section 2.3.1. General, the entire structure shall be constructed of CIP concrete including the mat foundation, walls, columns and top slab. The only location where precast concrete may be considered is for the removable access panels. BUT on Sheet S-01 Structural General Notes VIII Alternate Design, states CIP concrete is the recommended construction method for the roof of the vault as is shown in the conceptual design plans. The City may be willing to consider alternate construction methods..."
IS THE INTENT OF THE DESIGN BUILD PACKAGE TO ENCOURAGE INNOVATIVE DESIGN AS LIMITED BY THE ALTERNATE DESIGN GENERAL NOTE PROVIDED ON SHEET S-01?

Answer: The City is willing to consider alternate design / construction methods such as precast concrete for the top slab and interior columns. The proponents shall submit a unit cost and the lump sum cost for all options to be considered by the City.

2. With regard to scope. Section 3.2.6.2.2 "Prepare the hydraulic profile and supporting calculations for the proposal improvements". But the City has provided Exhibit D3, basis of Hydraulic Design. Is it the City's intent that additional Hydraulic Design be provided by the DB Team even if the vault is to be built essentially to the dimensions and details shown in the RFQ documents?

Answer: A Registered Professional Engineer in Georgia will need to certify that the final design will not be any less hydraulically efficient and will not increase the hydraulic grade line more than 0.25 ft for the 25-yr, 4-hour design event, than the concept design shown in the bid documents, which was modeled.

3. With respect to scope. Section 3.2.6.2.3 "Prepare conceptual plans for final system layout, including profile sections for existing, interim and new facilities". But again why? When the City has provided concept plans in support of the "Basis of Hydraulic Design". Is it the City's intent that a new concept be developed by the DB Team?

Answer: The City has provided a conceptual design as part of the RFP package. In the Proposal, the Proponent shall provide any comments, exceptions, innovative, or other cost effective ideas relating to the conceptual design provided which may be considered in the selection process. A more detailed design will be required as part of the final design of the project.

4. With regard to loading. Section 1.2 Scope of Work "Due to the unknown future condition for the Civic Center redevelopment the concrete top of the vault will be capped with earth material and seeded as the final restored condition". BUT on Sheet S-01 VIII ALTERNATE DESIGN 4.:"Demonstrate the ability of the Alternate construction method to accommodate the anticipated loading from the 13'0" of fill and the possible future parking deck supported by a shallow foundation system". WILL THE CITY PROVIDE THE FINAL GRADING ELEVATION FOR THE EARTH CAP?

Answer: See Addendum No. 2, Item # 4 and 7. The vault structure is NOT designed for a 13'-0" fill. Dead loads from a future 1-story parking deck shall be accommodated.

5. With regard to loading: Sheet S-014 – Superimposed Live Loads (gravity): 230psf. Please confirm the intention of this note is in addition to or instead of the various requirement elsewhere for live loads including truckloads or is simply the weight of the roof assumed in the concept design?

Answer: There is no sheet S-014. Sheet S-01/Part III/ Notes 3 & 4 state the superimposed dead and live loads that the vault roof and columns are conceptually designed for. The allowable live load shall be the more stringent of 250 PSF and/or HS-20 truck loading. These superimposed allowable live loads are in addition to all the dead loads including the self-weight of the vault roof slab. The design data on Sheet S-01 supersedes all other loading information that may appear elsewhere in the RFP Package, drawings or specifications.

6. Sheet S-015 – Hydrostatic Loads (Gravity) Vault Floor (Foundation Mat) 1250psf. Please confirm that this is provided as a minimum value to be used for Buoyancy Calculation.

Answer: There is no sheet S-015. Sheet S-01/Part III/ Note 5 states the water load that the vault foundation is conceptually designed for. The minimum value to be used for Buoyancy calculation is to be Zero which represents an empty vault and groundwater at the top of vault. The 1250 psf is the estimated water loading on the foundation mat when the vault is full of water.

7. Please supply the Pilot Channel inverts.

Answer: Pilot channel inverts at entry and exit points are shown on sheet S-02.

8. Is there another City contract out that might delay the start of this project?

Answer: There is no known executed or pending City Contract that would impede the commencement of this project.

9. The documents do not address the additional contract time that would be needed in completing Additive Alternate 1 - Phase 2, increasing the Vault size another 3.6 MG. If this Additive Alternate is selected, then the 275-day Substantial Completion & 364-day Final Completion duration will need to be extend. Please provide language within the contract documents, that address this time for the additional work.

Answer: See Addendum No. 2, Item # 3. The proponent shall in their proposal identify the additional days beyond the current Substantial and Final Completion duration.

10. Plan Drawing S-02 includes an information box within the slab footprint indicating the foundation mat is a minimum of 4' thick. However, Foundation Note #1 on the same sheet and relevant sections on drawing S-08 all indicate the foundation mat to be 3'6" with the proviso (Note 3 / S-08) that the 3'6" is design for structural loads but not buoyancy/flotation. Is the COA stipulating the 4' thickness as a requirement to protect against flotation?

Answer: See Addendum No. 2, Item # 6.

11. The construction joint detail for the elevated framed slab (5/S-06) does not indicate waterstop. Please advise if the intent of the COA is to not include waterstop in the elevated slab joints.

Answer: Please see Sheet S-01/ V-Cast in Place Concrete / Note 4. Water stops must be installed in the construction joints for the vault roof as well as the foundation slabs wherever deemed necessary during final design development.

12. Phase II Add Alternate Bid Information Note 7, on drawing S-05, indicates a Topping Slab for slope should be assumed for Phase II, as noted for Phase I. We find no referenced to a topping slab on Phase I drawings – please advise.

Answer: See Addendum No. 2, Item # 4.

13. Structural General Note drawing S-01, Cast-in-Place Concrete Note 1 indicates provision for a Corrosion Inhibiting Admixture and the note further states to see specifications for dosage rate and other admixture information. We find no mention of Corrosion Inhibiting Admixture in 03300 or other concrete related specifications. Moreover, the subject note references Parking Structure Concrete in the same sentence. Is the corrosion admixture only a requirement of the future parking deck?

Answer: Yes. The corrosion admixture is to be used for all concrete that is either interior to the vault or on the vault top surface. Conshield is specified in technical specifications 2536 Reinforced Concrete Sanitary Sewer Pipe and 2641 Precast Concrete Manholes.

14. Because of the number of outstanding questions and the additional information needed to complete a design, we requesting that additional time be considered for proposal preparation, by postponing the bid date an at least an additional two weeks beyond the present date. Please consider this request.

Answer: See Addendum No. 2, Item # 1.

15. Based on the Proposal effort required to provide a cost effective and thorough Proposal, we request the Proposal due date be extended until November 8, 2016.

Answer: See response to Question 14.

16. Can the Engineer provide the CAD files for the drawings provided with the Request for Proposal?

Answer: These will be provided to the selected Proponent.

17. Page 01400-4 Paragraph C, Item 1 requires the QA/QC Manager to be on site at all times while work is being performed by the Proponent. During a Project of this nature there will be many activities that do not require constant oversight by the QA/QC Manager. Can this statement be changed to say "the QA/QC Manager must be on site daily"?

Answer: See Addendum No. 2, Item # 10.

18. The Conceptual Design Plans include some information that contradicts the information provided in section 2.0 of the Design Criteria Package. Will the City consider making the Conceptual Design Plans as reference information drawings “for information only” and adding to the Design Criteria Package a list of Fixed (ie required) design elements such as sewer hydraulic profile requirements, tank capability, bottom of slab elevation(s), top of weir wall, orifice sizes, top of roof slab elevation, maximum construction depth of roof slab, future loading conditions, etc.

Answer: No. Design Criteria Section 2.0 and the conceptual design plans are an integral component to the contract documents. The top of roof slab and maximum construction depth of roof slab of the vault is addressed below in Question #27, as well as future loading conditions. See Exhibit A, Standard Form of General Conditions of Contract between Owner and Design-Builder, Section 6.7.2.7 and Addendum No. 2, Item # 11.

19. Please confirm that any reference to “13’ of fill” and to a future load on top of the roof of “1560 psf” in the Conceptual Design Plans is not now a requirement.

Answer: The 13’ fill is not the requirement, and the structure is NOT designed for a 13’ fill (1560 PSF). See sheet S-01 for all maximum loading information that the structure is conceptually designed for.

20. The conceptual design plans show one single elevation for the top of the bottom slab but the Design Criteria requires a Pilot Channel to be set below the flow slab at a nominal grade to carry base flows. Please confirm if the intention is to have the floor slab sloped longitudinally and that the Conceptual Plan elevations quoted are ‘nominal’ only.

Answer: No, not nominal. Provide uniformed Pilot Channel slopes using elevations on S-02. The bottom slab must maintain the design minimum thickness (bottom of mat may slope to match 1% minimum cross slope). This modifies detail S-9B and S-02 accordingly.

21. Will the City revise the requirements of Section 2.3.1 “the entire structure shall be constructed of cast in place concrete including the mat foundation, walls, columns and top slab” to the entire structure shall be design and built in accordance with the codes, standards and references provided in Section 2.3.2?”

Answer: The base bid requires the structure to be constructed of cast in place concrete in accordance with Section 2.3.1. Alternate bid items have been added to allow for consideration of alternative construction methods. All alternative construction methods shall comply with the requirements of Section 2.3.2. See Addendum No. 2, Item # 3.

22. Can the City provide a minimum area of parking deck anticipated in the future? Is the entire Vault and any possible future extension of the vault to be designed for this requirement?

Answer: Parking over entire vault (both options) is anticipated.

23. Sheet 5-01 Note 3 requires a “warranty” for any ‘alternate design’. Will the City delete this requirement? (a warranty requirement will typically make Professional Liability insurance ‘null and void’).

Answer: See Addendum No. 2, Item # 17. The BC/DHA JV recommends that the structure be of cast-in-place concrete construction. If however, an alternative construction type is selected, then we want to make sure that the City and their consultants are not liable for any systemic defects of such an alternative.

24. Please confirm if the City’s stormwater ordinances, which include green infrastructure and runoff reduction requirements, are applicable to this project.

Answer: No, the City of Atlanta’s Post-Development Stormwater Ordinance is not applicable to this project.

25. The Design Criteria Package states in 2.1.3.4 that “The area between the north side of Ralph McGill Boulevard and the Civic Center’s existing chain link fence has specimen trees. The draft Tree Protection Ordinance 14-O-1474, dated September 23, 2014 shall be used to protect the trees,” however, the plans show the vault beyond the trees making them impossible to save. Please confirm that these specimen trees will not be saved during the project.

Answer: See Addendum No. 2, Item # 12.

26. Exhibit D-3 Basis of Hydraulic Design mentions an additional 84” secondary relief line from the interstate as part of the Phase II expansion to 7.6 MG. Is the 84” line and/or connection a part of the additive alternate bid, and is there any additional information that can be provided about the 84” line?

Answer: The 84” line is not part of the Phase II project. The City may consider the 84” line in the future as a separate project. It is not part of the additive alternate for the 7.6 mg option. See Addendum No. 2, Item # 13.

27. During the preproposal conference it was discussed that the final grade of the site will be similar to existing. Will the City confirm the site will be graded to the existing elevation?

Answer: The top of concrete vault shall be left as completed by the Contractor (maximum top of concrete elevation is 948.75). Contractor shall backfill and redirect stormwater run-on away from top of vault and towards appropriate inlets draining to the trunk and relief sewers.

28. During the preproposal conference, the City stated that a precast solution would be acceptable. Can the bidders price a precast option for the base bid?

Answer: The base bid is required to be based on cast in place concrete construction. Alternate bid items have been added to allow for consideration of alternative construction methods.

ATTACHMENT NO. 2

REVISED COST PROPOSAL **(Revised 10/24/16)**

COST PROPOSAL (Revised 10/24/16)

FROM:

Proponent's Name: _____

Proponent's Address: _____

FOR:

Project Name: Contract No. FC-9201: Clear Creek West Sewer Improvements Project

ITEMS:

No.	Description	TOTAL
1	Lump Sum Amount (Phase 1 - 4mg cast in place vault)	
2	Owner's Allowance	\$2,000,000.00
3	Partnering Allowance	\$2,500.00
TOTAL OF 1-3		

BASE PROPOSAL TOTAL, ITEMS 1 THROUGH 3, INCLUSIVE, THE AMOUNT OF

DOLLARS (\$ _____)

DEDUCTIVE ALTERNATE 1:

As described in the Contract Documents, designing and constructing Phase 1 of the vault using certain precast concrete elements will be considered as a Deductive Alternate. The Proponent shall include a deductive price for this work with the understanding that its inclusion would be decided upon by the City after project award and prior to the commencement of construction. The design criteria for any precast elements of the vault shall be required to achieve a similar level of service as the cast in place vault included in the base proposal.

DEDUCTIVE ALTERNATE 1 TOTAL, THE LUMP SUM AMOUNT OF

DOLLARS (\$ _____)

DEDUCTIVE ALTERNATE 2:

As described in the Contract Documents, all excavated material shall be removed from the site. The Proponent shall provide a deductive unit price for any suitable soil (as defined by the City) that is allowed to be stockpiled on-site instead of being removed from the site. For the purposes of pricing this deductive alternate, the term "on-site" shall mean in any accessible location selected by the City within 1,000 feet of the vault boundary. The Proponent shall include a deductive unit price for this work with the understanding that its inclusion would be decided upon by the City after project award and prior to the commencement of construction.

DEDUCTIVE ALTERNATE 1 TOTAL, THE UNIT PRICE AMOUNT IN (\$/cubic yard) OF

DOLLARS/CUBIC YARD (\$ _____)

ADDITIVE ALTERNATE 1:

As described in the Contract Documents, designing and constructing Phase 2 of the vault having a nominal capacity of 3.6 million gallons (mg) will be considered as an Additive Alternate. The Proponent shall include an additive price for this work with the understanding that its inclusion would be decided upon by the City after project award and prior to the commencement of construction. The technical approach to this alternate requires the submission of drawings and details to convey how the approach will meet the Basis of Design Criteria and structural notes shown on the plans. The design criteria for the Phase 2 portion of the vault are very similar to that of the Phase 1 vault included in the base proposal. Separate mobilization and demobilization costs should not be included as this work will be completed in sequence with the Base Proposal if accepted. The Proponent shall also indicate the proposed number of additional days needed to achieve substantial and final completion.

ADDITIVE ALTERNATE 1 TOTAL, THE LUMP SUM AMOUNT OF

DOLLARS (\$ _____)

ADDITIVE ALTERNATE 1 TOTAL, ADDITIONAL DAYS NEEDED

_____ ADDITIONAL DAYS FOR SUBSTANTIAL COMPLETION

_____ ADDITIONAL DAYS FOR FINAL COMPLETION

ADDITIVE ALTERNATE 2:

As described in the Contract Documents, the City is considering requiring a sulfide resistant additive in the concrete mix for all precast concrete manholes and for all reinforced concrete sanitary sewer pipe installed by open cut in this Project, as an Additive Alternate. The Proponent shall include an additive price for this work with the understanding that its inclusion would be decided upon by the City after project award and prior to the commencement of construction. If used, the additive shall permeate the concrete during the mixing phase and molecularly bond to the cement particles to become an integral component of the hardened concrete product.

No.	Description	LUMP SUM AMOUNT
A-1	Sulfide Resistant Additive for All Precast Concrete Manholes	
A-2	Sulfide Resistant Additive for All Reinforced Concrete Sanitary Sewer Pipe Installed by Open Cut	
LUMP SUM TOTAL OF 1-2		

ADDITIVE ALTERNATE 2 TOTAL (A-1 and A-2), THE LUMP SUM AMOUNT OF

DOLLARS (\$ _____)

ADDITIVE OR DEDUCTIVE ALTERNATE 3:

As described in the Contract Documents, designing and constructing Phase 2 of the vault having a nominal capacity of 3.6 million gallons (mg) will be considered using certain precast concrete elements as an Additive or Deductive Alternate. The Proponent shall include an additive or deductive price for this work with the understanding that its inclusion would be decided upon by the City after project award and prior to the commencement of construction. The technical approach to this alternate requires the submission of drawings and details to convey how the approach will meet the Basis of Design Criteria and structural notes shown on the plans. The design criteria for any precast elements of the vault shall be required to achieve a similar level of service as the cast in place vault included in the base proposal. Separate mobilization and demobilization costs should not be included as this work will be completed in sequence with the Base Proposal if accepted.

ADDITIVE OR DEDUCTIVE (circle one) ALTERNATE 3 TOTAL, THE LUMP SUM AMOUNT OF

DOLLARS (\$ _____)

ADDITIVE OR DEDUCTIVE ALTERNATE 3 TOTAL, ADDITIONAL DAYS NEEDED (if any)

_____ ADDITIONAL DAYS FOR SUBSTANTIAL COMPLETION

_____ ADDITIONAL DAYS FOR FINAL COMPLETION

ATTACHMENT NO. 3

**EXHIBIT D-1, DESIGN CRITERIA PACKAGE,
SECTION 2.1.4 REVISED DEMOLITION PLANS
(Revised 10/24/16)**

2.1.4 Demolition Plans

The drawing scale for demolition plans shall be 1"=30' scale. Demolition of facilities and improvements shall address the following:

- Provide CCTV inspection of both the trunk and relief sewers before construction begins and after construction is complete to cover at least 800 feet upstream and downstream of the Civic Center vault.
- Verify existing invert elevations in both the trunk and relief pipes at the point of connections to the new Civic Center vault.
- Verify existing facility information. Confirm that layout is correct, complete, and up to date.
- Determine allowable methods of demolition.
- Identify areas where supports of the excavation measures are required.
- Identify the limits of demolition requirements, and delineate areas of demolition (e.g., buildings, pavement, and utilities). A separate drawing is required for delineating buried structures and utilities located below surface structure or utilities.
- Identify the disposition of salvageable materials and equipment.
- Evaluate the condition of structure, site, and equipment remaining after demolition. The Proponent shall delineate areas for disposal or clearly define which materials are to be disposed of, those that shall be removed from the site and disposed of elsewhere, and those that shall be retained by the City, if applicable.
- Identify buried structures and utilities that will be abandoned in place or plugged and filled.
- Indicate the extent of facilities that will be removed or remain, and the facilities that will be protected to maintain continued plant operations.
- Determine environmental safety issues.

ATTACHMENT NO. 4

**EXHIBIT D-4, PLERIMINARY DESIGN PLANS,
REVISED DRAWING S-01, STRUCTURAL
GENERAL NOTES
(Revised 10/24/16)**

ATTACHMENT NO. 5

**EXHIBIT C, TECHNICAL SPECIFICATIONS,
REVISED SECTION 01200, MEASUREMENT
AND PAYMENTS
(Revised 10/24/16)**

**SECTION 01200
MEASUREMENT AND PAYMENT**

PART 1 – GENERAL

1.01 SCOPE

- A. Work includes furnishing all plant, labor, equipment, tools, materials, and performing all operations required to complete the Work satisfactorily, in-place, as specified and as indicated on the Drawings.
- B. All costs of required items of work and incidentals necessary for the satisfactory completion of the Work shall be considered as included in the Total Bid. The cost of work not directly covered by the pay items shall be considered incidental to the contract and no additional compensation shall be allowed.
- C. The Proponent shall take no advantage of any apparent error or omission on the Drawings or Specifications, and the Engineer shall be permitted to make corrections and interpretations as may be deemed necessary for fulfillment of the intent of the Contract Documents.

1.02 SUBMITTALS

- A. The Proponent shall submit to the Engineer for approval, in the form directed or acceptable to the Engineer, a complete schedule of values of the various portions of the Work, including quantities and unit prices, aggregating the Contract Price. An unbalanced breakdown providing for overpayment to the Proponent items of Work, which would be performed first, will not be approved.
- B. Submit application for payment on a form approved by the Engineer showing allowances, lump sum schedule of value items.

1.03 LUMP SUM ITEM

- A. Payment of the lump sum item (Bid Item No. 1) established in the Proponent's Bid shall be full compensation for all labor, materials, and equipment required to furnish, install, construct, and test the Work associated with the Phase 1 4mg vault covered under the lump sum bid item.
- B. Payment of the lump sum item (Bid Item No. 1) established in the Proponent's Bid shall also fully compensate the Proponent for any other work which is not specified or shown, but which is necessary to complete the Work.
- C. The lump sum item shall be specifically subdivided by Activity, broken-out in the Schedule of Values.

- D. Payments for the lump sum items specifically broken-out in the Schedule of Values will be based upon physical progress for each activity in accordance with the breakdown of the Lump Sum prices agreed to in the Schedule of Values.

1.04 ALLOWANCES

- A. The allowances specified in the Bid Schedule are to establish a fund to pay the cost of items for which the City could not establish accurate quantities and/or detailed scope of work. This work shall be completed only at the written direction of the Engineer, and the cost of such work shall be approved prior to performance of the work.
- B. The Proponent shall be responsible for the payment for these services to the appropriate payee providing such service, and shall submit evidence of payments to the Engineer prior to its inclusion in the progress payments.
- C. Payment will be made for invoices submitted by the Proponent subject to the conditions and limitations in the Contract Documents.
- D. Allowance allocations shall only be paid to the Proponent for completed work authorized by the Engineer. All allowance dollar amounts not expended shall revert to the City at the completion of the project. Should the final allowance costs be less than the specified amount of the allowance the Contract will be adjusted accordingly by change order. The amount of change order will not recognize any changes in handling costs at the site, labor, overhead, profit and other expenses caused by the adjustment to the allowance item.

1.05 ADDITIVE AND DEDUCTIVE ALTERNATE ITEMS

- A. Described in the Contract Documents and included in the Cost Proposal are four Lump Sum Deductive or Additive Alternate Bid Items and one unit price Deductive Alternate Bid Item. The Deductive and Additive Alternate Items will not be decided upon by the Owner until after the project has been awarded. The decision whether or not to move forward with executing any or all of the deductive or additive alternate scopes of work will be at the sole discretion of the City of Atlanta.
- B. Payment for selected additive alternate lump sum items shall be full compensation for all labor, materials, and equipment required to furnish, install, construct, and test the Work covered under the additive alternate lump sum bid item.
- C. Payment for selected additive alternate lump sum items shall also fully compensate the Proponent for any other work which is not specified or shown, but which is necessary to complete the Work.
- D. The selected additive alternate lump sum items shall be specifically subdivided by Activity, and broken-out in the Schedule of Values.

- E. Credit for the selected deductive alternate lump sum items shall be the full credit due the Owner for all labor, materials, and equipment required to furnish, install, construct, and test the Work deleted under the deductive alternate lump sum bid item.
- F. Credit for the selected deductive alternate unit price item shall be the full credit due the Owner for all labor, materials, and equipment saved by each cubic yard of excavated material stockpiled on-site instead of being removed from the site.
- G. Payments or credits for the deductive or additive alternate bid items shall be specifically broken-out in the Schedule of Values will be based upon physical progress for each activity in accordance with the breakdown of the prices or credits agreed to in the Schedule of Values.
- H. Additional days required by the Proponent where indicated represents consecutive calendar days to be added to the base bid schedule if the corresponding deductive or additive alternate bid item is selected by the Owner. All other contract requirements associated with contract milestones and completion shall remain in effect.

+++ END OF SECTION 01200 +++

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ATTACHMENT NO. 6

LETTER REPORT OF GEOTECHNICAL EXPLORATION

LETTER REPORT

Geotechnical Exploration
Atlanta Civic Center
Fulton County
Atlanta, Georgia

Project Number
2014.4489.04

October 10, 2016



We're here for you

UNITED CONSULTING



October 10, 2016

Ms. Rhonda Crenshaw, MPA, ABD
City of Atlanta
Department of Watershed Management
72 Marietta Street, 5th Floor
Atlanta, GA 30303

Via Email: rhondacrenshaw@atlantaga.gov
rwilke@AtlantaGa.Gov

RE: Letter Report of Geotechnical Exploration
Atlanta Civic Center
Atlanta, Fulton County, Georgia
Project No. 2014.4489.04

Dear Ms. Crenshaw:

United Consulting is pleased to submit this letter report regarding the approximate volumes of the materials that will be removed during Phase I and Phase II for the construction of the proposed vaults at the above referenced project. This letter report should be read in conjunction to our report of Geotechnical Exploration dated August 15, 2016 issued under United Consulting project number 2014.4489.03.

The anticipated volumes to be removed were based on a base plan provided by Brown and Caldwell on October 5, 2016. This drawing is attached as Figure 1 for reference. The construction area of Phase I is shown in orange whereas the construction area for Phase II is shown in blue. For calculating the volume we have assumed that during construction of the Phase I section, all slopes except on the south end of the vault will be constructed 1.5(H):1(V). The excavation along the southern end would be supported by excavation bracing and will be vertical. For the Phase II construction, we have anticipated that all sides are vertical except northern portion. The anticipated slopes are indicated on the attached figure. Based on the previous Geotechnical Exploration groundwater was encountered at depths of about 20 feet or lower. Therefore, the calculated quantities are provided as saturated and unsaturated volumes. The following table summarizes the calculated volumes for the two phases of the construction.

Construction Phase	Saturated Soils Removed (yd ³)	Unsaturated Soils Removed (yd ³)
Phase I	5,250±	53,080±
Phase II	3,190±	27,800±

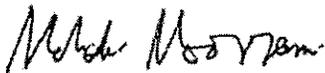
Please note that groundwater levels can fluctuate with rainfall amounts, changes in seasons, and changes in the watershed; therefore, the quantities presented should be considered very approximate. Also, our quantities do not account for exposed areas saturated by rainfall or surface runoff.

The on-site unsaturated soils should generally be suitable for reuse as engineered fill with proper moisture control. The saturated soils if properly dried and moisture conditioned would also be suitable for reuse as engineered fill. However, the saturated soils are hard to moisture condition during cold wet weather. If drying of the saturated soils is not feasible, then they should be properly disposed.

We appreciate the opportunity to assist you with this project and look forward to working with you during design development and construction phase. Please contact us if you have any questions regarding this report or if we can be of further assistance.

Sincerely,

UNITED CONSULTING



Mehdi Moazzami, P.E.
Senior Geotechnical Engineer



Chris L. Roberds, P.G.
Senior Executive Vice President

MM/CLR/nj

ATTACHMENT

Figure 1 – Proposed Areas To Be Excavated

<http://ucblade10/sites/Geotechnw7811/2014.4489.03/Geotechnical Documents/2014.4489.04.letter.doc>

