



**DATE: October 10, 2022**

**TO: All Offerors'**

**FROM: City of Brookhaven Purchasing Department**

**RE: ITB No. 22-116, Low Water Drain CIPP Rehabilitation Murphey Candler Lake Dam**

Please see Addendum No. 2 for the above-referenced solicitation.

1. The following change has been made to the above-referenced solicitation.

**Delete: Page 1**

**Add: REVISED (Extended Due Date) Page 1 10/18/2022**

**Delete: Page 2**

**Add: REVISED (Terms)**

**Delete: Page 29**

**Add: REVISED (Contract Duration)**

**Add: Questions & Answers**

**Delete: Page 52-54**

**Add: REVISED (Exhibit K Bid Schedule)**

**Add: Measurement and Payment A and B**

2. All other terms and conditions remain the same.

**ADDENDUM NO. 2**  
**Invitation to Bid, No. 22-116**  
**Low Water Drain CIPP Rehabilitation**  
**Murphey Candler Lake Dam**  
**REVISED 10/10/2022**

August 24, 2022

**\*\*Mandatory Pre-Bid Conference\*\***  
**Wednesday, August 31, 2022, at 11:00 a.m. EST.**  
**Brookhaven City Hall**  
**4362 Peachtree Rd. NE., Brookhaven, Ga. 30319**

**BID DUE DATE and OPENING DATE:**

**Tuesday, October 18,** ~~Thursday, October 13, Tuesday, September 27,~~ 2022, at 2:30 p.m. EST.  
Via Zoom- Meeting ID# 815 5347 4431  
<https://us06web.zoom.us/j/81553474431>

**Bids shall only be accepted online through the Bonfire Portal at:**  
<https://brookhavenga.bonfirehub.com/projects/view/73963>

**Any bid submitted in any other format (email, paper, fax, mail, etc.) will not be accepted.**

**Instructions to Bidders:**

1. All communications regarding this solicitation must be with the Purchasing Manager, Shakera Hall, [shakera.hall@brookhavenga.gov](mailto:shakera.hall@brookhavenga.gov).
2. All questions or requests for clarification must be sent via Bonfire under Message - Opportunity Q&A: <https://brookhavenga.bonfirehub.com/projects/view/73963>. Questions are due no later than **Thursday, September 8, 2022, at 4:00 p.m. EST.** Questions received after this date and time may not be answered.
3. Questions and clarifications will be answered in the form of an addendum. Any addenda, schedule changes, and other important information regarding the solicitation related to this solicitation will be posted on the Bonfire website at <https://brookhavenga.bonfirehub.com/projects/view/73963> and it is the Offeror's responsibility to check the Bonfire portal for any addendum or other communications related to this solicitation.
4. The City of Brookhaven reserves the right to reject all bids and to waive technicalities and informalities, and to make award in the best interest of the City of Brookhaven.
5. The City of Brookhaven is not responsible for any technical difficulties. It is highly recommended that all potential contractors submit their quotes prior to the due date of this solicitation.

**ADDENDUM NO. 2**  
**Invitation to Bid, No. 22-116**  
**Low Water Drain CIPP Rehabilitation**  
**Murphey Candler Lake Dam**  
**REVISED 10/10/2022**

**CONTRACT FOR ITB 22-116**

**Low Water Drain CIPP Rehabilitation**

This **CONTRACT** made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2022 by and between the City of Brookhaven, (Party of the First Part, hereinafter called the “City”), and - \_\_\_\_\_ Party of the Second Part, hereinafter called the “Service Provider” or “Contractor”).

**NOW THEREFORE**, for and in consideration of the mutual promises and obligations contained herein and under the conditions hereinafter set forth, the parties do hereby agree as follows:

**1. TERMS:**

The services to be performed under this Contract shall commence upon the date stated in the Notice to Proceed Letter. The contract period for this contract is **105** ~~60~~ days from the date stated in the Notice to Proceed Letter. Upon the completion of the full scope of work the contract shall terminate absolutely and without further obligation as required by O.C.G.A. §36-60-13, as amended, unless terminated earlier in accordance with the provisions of this Contract.

**2. ATTACHMENTS:**

The following documents are attached and are specifically incorporated herein by reference; and, along with this Contract and the General Conditions attached as Exhibit A encompass all of the **Contract documents**:

- Exhibit A: General Conditions.
- Exhibit B: Specifications and Scope of Work (ITB 22-116 reference herein).
- Exhibit C: Determination of Responsibility.
- Exhibit D: Bond Documents: Payment Bond, Performance Bond, and Maintenance Bond.
- Exhibit E: Georgia Security and Immigration Compliance Affidavit.
- Exhibit F: Drug-Free Workplace.
- Exhibit G: Purchasing Policy Addendum.
- Exhibit H: Affidavit Verifying Status for Public Benefit Application.
- Exhibit I: Bid Documents: References and Subcontractor Form.
- Exhibit J: Non-Collusion Affidavit.
- Exhibit K: Bid Schedule.
- Exhibit L: Construction Drawing Package – City of Brookhaven Public Works Department Special Provisions

**3. PERFORMANCE:**

Service Provider agrees to furnish all skill and labor of every description necessary to carry out perform, perform the services in accordance with the Contract Documents (the “Work”).

**4. PRICE:**

The City agrees to pay the Service Provider following receipt by the City of a detailed invoice reflecting the actual work performed by the Service Provider, provided, however, Service Provider guarantees that the maximum price for materials, labor, and expenses, shall be the amount reflected in Exhibit K.

**ADDENDUM NO. 2**  
**Invitation to Bid, No. 22-116**  
**Low Water Drain CIPP Rehabilitation**  
**Murphey Candler Lake Dam**  
**REVISED 10/10/2022**

**EXHIBIT B**

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**SPECIFICATIONS AND SCOPE OF WORK**

**Contract Duration:**

***Lake Lowering Phase: 15 calendar days from the date of issuance of the Notice to Proceed***

***Construction Phase: 60 calendar days from the end of the Lake Lowering Phase***

***Lake Filling Phase: 30 calendar days from the end of the Construction Phase, Substantial Completion.”***

**~~60 calendar days from the date of issuance of the Notice to Proceed~~**

**Project Description:**

The City of Brookhaven is soliciting competitive sealed bids from qualified contractors for a cured-in-place pipe (CIPP) rehabilitation of the corrugated metal pipe (CMP) Low Water Drain (LWD) at Murphey Candler Lake Dam for the Department of Public Works. The contractor must self-perform tasks constituting a **minimum of (50%) of the value of the contract**. Work will be done in accordance with the Contract Documents: Agreement, Drawings (100% Construction Plan for: *Murphey Candler Lake Park Dam CMP Spillway Repair*, Permit #MS2-00050, dated June 24, 2022), Special Technical Specifications (*Specifications for Murphey Candler Dam CIPP Rehabilitation for City of Brookhaven*, April 2022), Special Details, City of Brookhaven Standard Details, Georgia Department of Transportation’s Standard Drawings, Standard Specifications, and Pay Items Index as the standards for the construction and completion of the work required, except as noted or directed by Engineer.

**Scope**

The contractor shall furnish all materials, equipment, and labor to complete the required construction as described in its entirety to the specification directed and the terms of this contract, including all incidentals as directed by the City of Brookhaven Director of Public Works or his representative. Unless otherwise specified in the Contract Documents, all work shall be completed in accordance with Georgia Department of Transportation Standard Specifications (current edition), by the completion date.

The LWD is located near the bottom of the earthen dam in Murphey Candler Lake, and, as such, dewatering of the work area will be required to be maintained for the duration of the work. A CIPP solution has been designed for the LWD and additional downstream CMP segment(s). All erosion & sediment control practices must be installed, inspected on a daily basis, and maintained to prevent the discharge of sediment from the construction area into downstream areas throughout the duration of the project.

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**Dam & Spillway Maintenance / Repair:**

In addition to the repairs to the low water drain, other maintenance activities around the spillway will be completed by the selected Contractor. This work is summarized in the Additional Construction Document titled: *Murphey Candler Park Dam Maintenance, City of Brookhaven, August 2, 2018*, Special Details, City of Brookhaven Standard Details, Georgia Department of Transportation's Standard Drawings, Standard Specifications, and Pay Items Index as the standards for the construction and completion of the work required, except as noted or directed by Engineer.

Vendor Questions for ITB 22-116, LOW WATER DRAIN CIPP REHABILITATION  
MURPHEY CANDLER LAKE DAM

1. Due to material manufacturing and shipping delays, lining product lead time is three to four months from date of NTP. Would the city permit a later construction start date to allow for this?

**The City will make adjustments to the allowable number of days for construction for issues outside of the Contractor's control, assuming that the Contractor has made and documented all efforts to avoid delays. For example, a document from the liner manufacturer on its letterhead stating the contractor's name, project name, order date, order details (type, thickness, length, strength, etc.), and most likely delivery date would be sufficient to support a Change Order for Contract Times.**

**Due to the extended time to drain and fill the lake, there will be non-construction days added to the front and end of the Contract, see Addendum 2.**

2. Are there plans/maps available for this project?

**See 3 below.**

3. Would you mind sending a copy of the bid documents to me? I do not see where they can be downloaded from Bonfire.

**The documents are in the file tab of Bonfire. Also, you can access the ITB on the City's website and on The Georgia Procurement Registry.**

**EXHIBIT K**

**BID SCHEDULE**

**ITB 22-116, Low Water Drain CIPP Rehabilitation,  
Murphey Candler Lake Dam**

<b>Pay Item</b>	<b>Description REVISED</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
1	Mobilization	1	LS		
2	Mud Matts	85	SY		
3	Mulch Complete	760	SY		
4	Sodding and Permanent Seeding Complete	760	SY		
5	Temporary Seeding Complete	760	SY		
6	Silt Fence Complete	280	LF		
7	Tree Protective Fence Complete	60	LF		
8	CIPP	170	LF		
9	Flowable Fill	10	CY		
10	Dewatering and Cofferdams	1	LS		
11	Sidewalk Replacement	25	SY		
12A	W Beam Guardrail w/12" Wave Attenuator	55	LF		
12B	W Beam Guardrail	55	LF		
13	Traffic Control	1	LS		
14	Stem Guide Complete – Sluice Gate Structure Component System	3	EA		
15	Hoist Head Complete – Sluice Gate Structure Component System	1	EA		
16	Pedestal Complete – Sluice Gate Structure Component System	1	EA		
17	Operating Stem Complete – Sluice Gate Structure Component System	1	EA		
18	Gate Complete – Sluice Gate Structure Component System	1	EA		
	<b>Low Water Drain CIPP Rehabilitation</b>	<b>Total</b>	<b>Bid</b>	<b>Price</b>	

\*\*\* Include completed bid schedule with your bid.



**EXHIBIT K**

**BID SCHEDULE**

**ITB 22-116, Dam & Spillway Maintenance / Repairs  
Murphey Candler Lake Dam**

<b>Pay Item</b>	<b>Description Revised</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
100	Install, Maintain, and Remove Special Construction Exit / Lake Access – off Parking Lot	1	LS		
200	Remove All Trees within 3 feet of Spillway, Sheet C-001	1	LS		
300	Remove All Vegetation on Upstream Slope, Sheet C-001	1	LS		
400	Replace Missing Animal Guards on Toe Drain Outfalls, Sheet C-001	3	EA		
500	Remove Tree on Dam	1	LS		
600	Make Designated Repairs, NE Side of Spillway, Sheet C-002	1	LS		
700	Remove All Vegetation On and Around Spillway	1	LS		
800	Masonry Wall and Repair Wall Grout, Seal Transverse Joints, Sheet C-002	1	LS		
900	Repair and Seal Joints on Spillway / Repair Broken Concrete, Sheet C-002	1	LS		
1000	Rip Rap	400	TN		
1100	Install and Maintain Orange Tree Barrier Fencing Around Work Areas	1	LS		
1200	Double Row Type C Silt Fence	100	LF		
	<b>Dam &amp; Spillway Maintenance / Repairs Bid</b>	<b>Total</b>	<b>Bid</b>	<b>Price</b>	

\*\*\* Include completed bid schedule with your bid.

**EXHIBIT K**

**BID SCHEDULE**

**ITB 22-116, Dam & Spillway Maintenance / Repairs  
Murphey Candler Lake Dam**

**THE PROJECT SCOPE OF WORK IS FOR ALL WORK LISTED.**

**CONTRACTOR MUST COMPLETE BOTH BID FORMS TO BE CONSIDERED  
RESPONSIVE**

**Total Bid Amount:**

\_\_\_\_\_

**Total Bid Amount:**

\_\_\_\_\_

**Contractor:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Print:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**

SECTION 01 22 15.11

MEASUREMENT AND PAYMENT A

PART 1 – GENERAL

1.1 SUMMARY

- A. This section defines the Pay Items of Work listed on the Bid Form and how payment shall be determined. Payment shall be made for each Pay Item based on the description in this section.
- B. Bid Prices included on the Bid Form shall be full compensation for all materials, labor, equipment, tools, construction equipment and machinery, heat, utilities, mobilization, demobilization, transportation, taxes, overhead, markup, incidentals and services necessary for the execution and completion of the Work in the Contract Documents. Any item of work required to complete the Work in the Contract Documents but not specifically enumerated for separate measurement and payment in the various project bid items are considered incidental to the project and the Contractor is to include the cost for this incidental work in its associated Bid Prices.
- C. For the Work described, the allowance and unit price, actual used and installed quantities of each Pay Item shall be measured in the field and certified by the Engineer and/or CITY upon completion of construction in the manner set forth for each item in this and other sections of the Specifications. Payment for all items listed on the Bid Form will constitute full compensation for all Work performed.
- D. The Contractor shall assist and fully cooperate with CITY to determine proper measurement and payment for each item providing complete and reasonable backup documentation as requested by CITY to substantiate payment due.

1.2 BID ITEMS

The following Bid Items 1 through 18, together with any supplemental and/or alternate Bid Items that may also be included, comprise the Bid Total as listed on the Bid Form.

- A. ITEM 1, SPECIFICATION SECTIONS NO. 01 00 00, MOBILIZATION/GENERAL CONDITIONS:  
MEASUREMENT: This item of work is not measured separately for payment.  
PAYMENT: The lump sum Unit Price Bid for mobilization/general conditions shall include all preparatory work and operations, including but not limited to, moving personnel, equipment, supplies, and incidentals to the project site. Mobilization also includes all other work and operations that shall be performed, or costs incurred before beginning work on the various Items on the project site. The first regular payment is 50 percent of the amount bid for mobilization, or 3 percent of the original Contract amount, whichever is less. When 5 percent of the original contract amount is earned, the next progress payment is 100 percent of the amount bid for mobilization, or 3 percent of the total original contract amount, whichever is less, minus any previous payments. Any amount bid for mobilization in excess of 3 percent of the original Contract amount is

paid when work on the Project is complete. The total sum of the payments shall not exceed the original Contract amount bid for this item.

- B. ITEM 2, SPECIFICATION SECTION NO. 31 25 00, MUD MATS:  
MEASUREMENT: The quantity to be paid for under this item shall be the number of square yards of mud mats installed as shown on the Contract documents and/or drawing or as authorized by CITY.  
PAYMENT: The Unit Price Bid shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work as specified in the Contract documents and/or drawings, or as directed by CITY. No additional payment shall be made for re-application or maintenance of mud mats.
- C. ITEM 3, SPECIFICATION SECTION NO. 31 25 00, MULCH COMPLETE:  
MEASUREMENT: Mulch shall be measured per square yard installed at the coverage rate specified, complete in place, as shown on the Contract documents and/or drawing or as authorized by CITY.  
PAYMENT: The Unit Price Bid per square yard shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY. No additional payment shall be made for re-application or maintenance of mulch.
- D. ITEM 4, SPECIFICATION SECTION NO. 32 92 00, UNIT PRICE FOR SODDING AND PERMANENT SEEDING (ALL ZONES) COMPLETE:  
MEASUREMENT: The quantity to be paid for under this item shall be the number of square yards of permanent seeding by zone, permanent matting, and sod removal/replacement as shown on the Contract documents and/or drawing or as authorized by CITY.  
PAYMENT: The Unit Price Bid per square yard includes the furnishing of all labor, materials, seed, sod, plugs, rhizomes, sanding, topsoil, watering, fertilizing, maintenance, equipment, inspection, monitoring, and reporting on the erosion and sediment controls necessary to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.
- E. ITEM 5, SPECIFICATION SECTION NO. 31 25 00, UNIT PRICE FOR TEMPORARY SEEDING, COMPLETE:  
MEASUREMENT: The quantity to be paid for under this item shall be the number of square yards of temporary seeding as shown on the Contract documents and/or drawing or as authorized by CITY.  
PAYMENT: The Unit Price Bid per square yard includes the furnishing of all labor, materials, seeding, watering, fertilizing, maintenance, equipment, inspection, monitoring, and reporting on the erosion and sediment controls necessary to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.
- F. ITEM 6, SPECIFICATION SECTION NO. 31 25 00, SILT FENCE, COMPLETE, TYPE S:  
MEASUREMENT: Silt Fence Type S (Sensitive) shall be measured per linear foot installed, complete in place, as shown on the Contract documents and/or drawing or as authorized by CITY.  
PAYMENT: The Unit Price Bid per linear foot shall include all labor, equipment, and

materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY. No additional payment shall be made for maintenance or replacement of Silt Fence.

G. ITEM 7, SPECIFICATION SECTION NO. 31 13 11, TREE PROTECTION FENCE COMPLETE:

MEASUREMENT: Tree Protection Fence shall be measured per linear foot installed, complete in place as shown on the Contract documents and/or drawings or as directed by CITY. This item shall not be utilized for orange barrier fencing used as safety fence, which shall be considered incidental to the Work.

PAYMENT: The Unit Price Bid per linear foot shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY. No additional payment shall be made for maintenance or replacement of Orange Barrier Fence.

H. ITEM 8, SPECIFICATION SECTION NO. 33 01 30.72, UNIT PRICE FOR CURED-IN-PLACE PIPE REHABILITATION:

MEASUREMENT: Cured-in-Place Pipe Rehabilitation shall be measured and paid for per linear foot actually installed measured in the horizontal plane after the pipe has been connected as shown on the Contract documents and/or drawings or as directed by CITY. Measurements shall be from inside face of the outlet control structure to the face of structure.

PAYMENT: The Unit Price per linear foot shall include: pre-installation and post-installation cleaning; pre-installation and post-installation CCTV inspections; removal and resetting drainage structure tops; inversion setup(s); point repairs; CIPP liner; CIPP liner installation; invert installation; installation of thermal barriers or other devices to protect water services or other utilities; containment, capture, and discharge of process water into sanitary sewer systems; testing; design; and all other labor materials, equipment, field measurements, and incidentals required to complete the work as shown on the Drawings.

I. ITEM 9, SPECIFICATION SECTION NO. 31 23 23.33, FLOWABLE FILL:

MEASUREMENT: Flowable fill shall be measured and paid for per cubic yard of material placed as shown on the Contract documents and/or drawings or as directed by CITY.

PAYMENT: The Unit Price per cubic yard for flowable fill, non-excavatable, placed shall include cost for flowable fill, pumping, bulkheads, piping, testing, reporting, monitoring, design, and all other labor materials, equipment, field measurements, and all other labor materials, equipment, field measurements, and incidentals required to complete the work as shown on the Drawings.

I. ITEM 10, SPECIFICATION SECTIONS NO. 31 23 19, DEWATERING AND 31 52 00, COFFERDAMS:

MEASUREMENT: Dewatering shall be measured and paid at the lump sum price bid for the project, complete, as shown on the Contract documents and/or drawings or as directed by CITY.

PAYMENT: The lump sum Unit Price Bid for dewatering shall include furnishing,

maintaining, and removing dewatering measures to include, but are not limited to pumps, bypassing pumping, and cofferdams for lake drawdown, dewatering work area and stilling basin, and refilling and all other labor, materials, equipment, and incidentals required to complete the Work as specified on the Contract documents and/or drawings or as directed by CITY.

- J. ITEM 11, SPECIFICATION SECTION NO. 32 16 13, SIDEWALK REPLACEMENT:  
MEASUREMENT: Sidewalk Replacement shall be measured per square yard installed and completed in place, as shown on the Contract documents and/or drawing or as authorized by CITY.  
PAYMENT: The Unit Price Bid per square yard shall include all labor, equipment, and materials necessary for removing and replacing any sidewalk required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.
- K. ITEM 12A, SPECIFICATION SECTION NO. 34 71 00, W BEAM  
GUARDRAIL WITH WAVE ATTENUATOR:  
MEASUREMENT: Guardrail shall be measured per linear foot installed, complete in place as shown on the Contract documents and/or drawings or as directed by CITY.  
PAYMENT: The Unit Price Bid per linear foot shall include all labor, equipment, and materials necessary for removing and replacing guardrails and wave walls required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.
- L. ITEM 12B, SPECIFICATION SECTION NO. 34 71 00, W BEAM  
GUARDRAIL:  
MEASUREMENT: Guardrail shall be measured per linear foot installed, complete in place as shown on the Contract documents and/or drawings or as directed by CITY.  
PAYMENT: The Unit Price Bid per linear foot shall include all labor, equipment, and materials necessary for removing and replacing guardrails required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.
- M. ITEM 13, SPECIFICATION SECTION NO. 34 41 16.10, TRAFFIC CONTROL:  
MEASUREMENT: Traffic Control shall be measured and paid at the lump sum price bid for the project, complete, as shown on the Contract documents and/or drawings or as directed by CITY.  
PAYMENT: The lump sum Unit Price Bid for Traffic Control shall include furnishing and maintaining traffic control measures to include, but are not limited to temporary barricades, temporary barriers, warning signals, pilot vehicles, crash trucks, barrels, cones, steel plates, lights, flagmen, watchmen, off duty police officers, temporary signs, maintenance, obtaining traffic permits, and all other labor, materials, equipment, and incidentals required to complete the Work as specified on the Contract documents and/or drawings or as directed by CITY.
- N. ITEMS 14-18, SPECIFICATION SECTION NO. 33 01 30.72, SLUICE GATE  
STRUCTURE COMPONENT SYSTEM (VARIOUS), COMPLETE  
MEASUREMENT: Each of the sluice gate components, attachments, assembly bolts and nuts, and other appurtenant parts shall be measured per each component system complete (stem guides complete, hoist head complete, pedestal complete, operating stem complete, or gate complete) removed and replaced as shown on the Contract documents and/or drawing or as authorized by CITY.

PAYMENT: The Unit Price Bid for each sluice gate component system shall include all labor, equipment, and materials necessary for removing and replacing the existing sluice gate components required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

END OF SECTION 01 22 15.11

SECTION 01 22 15.11

MEASUREMENT AND PAYMENT B

PART 1 – GENERAL

1.1 SUMMARY

- A. This section defines the Pay Items of Work listed on the Bid Form and how payment shall be determined. Payment shall be made for each Pay Item based on the description in this section.
- B. Bid Prices included on the Bid Form shall be full compensation for all materials, labor, equipment, tools, construction equipment and machinery, heat, utilities, mobilization, demobilization, transportation, taxes, overhead, markup, incidentals and services necessary for the execution and completion of the Work in the Contract Documents. Any item of work required to complete the Work in the Contract Documents but not specifically enumerated for separate measurement and payment in the various project bid items are considered incidental to the project and the Contractor is to include the cost for this incidental work in its associated Bid Prices.
- C. For the Work described, the allowance and unit price, actual used and installed quantities of each Pay Item shall be measured in the field and certified by the Engineer and/or CITY upon completion of construction in the manner set forth for each item in this and other sections of the Specifications. Payment for all items listed on the Bid Form will constitute full compensation for all Work performed.
- D. The Contractor shall assist and fully cooperate with CITY to determine proper measurement and payment for each item providing complete and reasonable backup documentation as requested by CITY to substantiate payment due.

1.2 BID ITEMS

The following Bid Items 100 through 1200, together with any supplemental and/or alternate Bid Items that may also be included, comprise the Bid Total as listed on the Bid Form.

- A. ITEM 100, SPECIFICATION SECTION NO. 34 71 00, INSTALL, MAINTAIN, AND REMOVE SPECIAL CONSTRUCTION EXIT/LAKE ACCESS:  
MEASUREMENT: Construction Exits/Lake Access shall be measured and paid at the lump sum bid price for this project as shown on the Contract documents and/or drawings or as directed by CITY.  
PAYMENT: The lump sum Unit Price Bid shall include all labor, equipment, and materials necessary for installing, maintaining, and removing special construction exit required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.
- B. ITEMS 200, 300, 500, 700, SPECIFICATION SECTION NO. 31 11 00, VARIOUS TREE AND VEGETATION REMOVAL:



MEASUREMENT: Various tree and vegetation removal shall be measured and paid for at the lump sum price bid for the project as shown on the Contract documents and/or drawings or as authorized by CITY.

PAYMENT: The lump sum Unit Price Bid for clearing and grubbing for the project shall include clearing the work area of all trees, shrubbery, undergrowth, brush, and other vegetation. This Work also includes stump removal, root wad removal, and stump grinding, plastic pipe abandonment with cement/bentonite grout, grubbing the work area, removal, and all other necessary tools, labor, equipment, materials, and incidentals including handling, loading, hauling, permit fees, and disposal required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

C. ITEM 400, REPLACE ANIMAL GUARDS IN KIND:

MEASUREMENT: Animal guards shall be measured and paid per each replacement as shown on the Contract documents and/or drawings or as authorized by CITY.

PAYMENT: The Unit Price Bid for each animal guard to be replaced in kind shall include all necessary tools, equipment, labor and materials to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

D. ITEM 600, SPECIFICATION SECTIONS NO. 603 AND 881 DESIGNATED SPILLWAY REPAIRS

MEASUREMENT: The designated spillway repairs paid for under this item shall be measured and paid at the lump sum bid price for this project as shown on the Contract documents and/or drawings or as authorized by CITY.

PAYMENT: The lump sum Unit Price Bid shall include all labor, equipment, and materials necessary for repairing the northeast spillway wingwall required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

E. ITEM 800, SPECIFICATION SECTION NO. 2690, MASONRY WALL AND REPAIR WALL GROUT, SEAL TRANSVERSE JOINTS

MEASUREMENT: The masonry wall repair and sealing of joints paid for under this item shall be measured and paid at the lump sum bid price for this project as shown on the Contract documents and/or drawings or as authorized by CITY.

PAYMENT: The lump sum Unit Price Bid shall include all labor, equipment, and materials necessary to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

F. ITEM 900, SPECIFICATION SECTION NO. 2690, REPAIR AND SEAL SPILLWAY JOINTS AND REPAIR CONCRETE

MEASUREMENT: The repair and sealing of spillway joints and concrete repair paid for under this item shall be measured and paid at the lump sum bid price for this project as shown on the Contract documents and/or drawings or as authorized by CITY.

PAYMENT: The lump sum Unit Price Bid shall include all labor, equipment, and materials necessary to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

G. ITEM 1000, SPECIFICATION SECTION NO. 603, RIPRAP

MEASUREMENT: GDOT Type I rip rap shall be measured and paid for per ton of rip rap placed to the limits as shown on the Contract documents and/or drawings or as authorized by the CITY.

PAYMENT: The Unit Price Bid per ton shall include excavation and preparation of

ground surface to the correct lines and grades, furnishing and placing geotextile filter fabric and rip rap to the specified depth and all other labor, materials, equipment, and incidentals required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY.

H. ITEM 1100, SPECIFICATION SECTION NO. 31 13 11, TREE PROTECTION FENCE COMPLETE:

MEASUREMENT: Tree Protection Fence shall be measured and paid at the lump sum price bid for the project, complete, as shown on the Contract documents and/or drawings or as directed by CITY. This item shall not be utilized for orange barrier fencing used as safety fence, which shall be considered incidental to the Work.

PAYMENT: The lump sum Unit Price Bid shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY. No additional payment shall be made for maintenance or replacement of Orange Barrier Fence.

I. ITEM 1200 SPECIFICATION SECTION NO. 31 25 00, SILT FENCE, COMPLETE, TYPE S:

MEASUREMENT: Silt Fence Type S (Sensitive) shall be measured per linear foot installed, complete in place, as shown on the Contract documents and/or drawing or as authorized by CITY.

PAYMENT: The Unit Price Bid per linear foot shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work as specified on the Contract documents and/or drawings, or as directed by CITY. No additional payment shall be made for maintenance or replacement of Silt Fence.

END OF SECTION 01 22 15.11