CITY OF BATON ROUGE

PARISH OF EAST BATON ROUGE

DEPARTMENT OF ENVIRONMENTAL SERVICES

December 8, 2023

ADDENDUM NO. 2

TO: ALL BIDDERS

SUBJECT: **NORTH WASTEWATER TREATMENT PLANT LARGE DIAMETER PIPE REHABILITATION**

CITY-PARISH PROJECT NO. 21-TP-MS-0034

ORIGINAL BID DATE: Tuesday, December 12, 2023 at 2:00 PM
CURRENT BID DATE: Thursday, December 14, 2023 at 2:00 PM

The following revisions shall be incorporated in and take precedence over any conflicting part of the original contract document:

PART 1 – UNIFORM CONSTRUCTION BID FORMS:

1. For paper sealed bidders, with reference to page UCBF 1 of 4 of Part 1, Uniform Construction Bid Forms, the Bidder shall indicate the receipt of this addendum in the space provided. For online Central Bidding bidders, an acknowledgement of this addendum will be prompted by the electronic bidding program prior to formally submitting the bid**. Failure to indicate the receipt of this addendum shall be cause for the bid to be rejected.**
2. Replace the Unit Price Form with the attached Unit Price Form (dated 12/7/2023). This revised Unit Price Form MUST be used by all Bidders on this project. The UCBF on Central Bidding has been updated to reflect the changes on the attached UCBF. **Failure to submit on the revised Unit Price Form shall cause for the bid to be rejected.**

PART 2 – SPECIAL PROVISIONS AND CONTRACT DOCUMENTS:

1. For paper sealed bidders, with reference to page UCBF 1 of 4 of Part 1, Uniform Construction Bid Forms, the Bidder shall indicate the receipt of this addendum in the space provided. For online Central Bidding bidders, an acknowledgement of this addendum will be prompted by the electronic bidding program prior to formally submitting the bid. **Failure to indicate the receipt of this addendum shall be cause for the bid to be rejected.**
2. Replace the Unit Price Form with the attached Unit Price Form (dated 12/7/2023). This revised Unit Price Form MUST be used by all Bidders on this project. The UCBF on Central Bidding has been updated to reflect the changes on the attached UCBF. **Failure to submit on the revised Unit Price Form shall cause for the bid to be rejected.**

SPECIAL PROVISIONS

Delete Section 813 Sewer Flow Control and replace with the attached Section 813.

CONTRACT DOCUMENTS

1. Section 01 10 00 – 1.2.A.1.xi – Delete paragraph and replace with the following paragraph:

   This work is included in the 9999991 pay item "Final Effluent Piping Rehabilitation." The Flow control (bypass system) related work is included in the pay items in Special Provisions Section 813 – Sewer Flow Control.

COMMENTS AND QUESTIONS

1. Bid Item "9090100 – Mobilization" has been added to the Unit Price Form. See Section 909 of the Special Provisions for description and payment information.

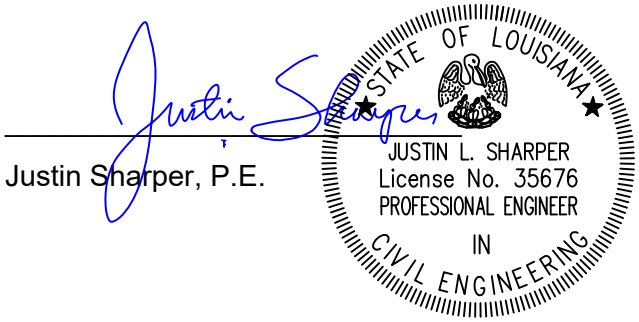
2. Take note of 01 10 00 – Summary of Work paragraph 1.2.A.1.xi. Once the bypass system is online, the Contractor is required to perform work on a continuous (24 hour basis) to complete this portion of the project. Exceptions to this requirement would be due to curing time when no other rehabilitation work internal to the pipe can occur or an Owner-directed stoppage due to high flow conditions or other emergency situation.

   Any Contractor-initiated stoppages that result in bypass pumping standby time will be prorated and not paid by Owner.

3. Take note of Section 813 Sewer Flow Control paragraph 10 regarding "Field Quality and Control and Maintenance." The Contractor is required to inspect the bypass-pumping system no less than once every 2 hours to ensure the system is working correctly; The Contractor shall ensure that the temporary pumping system is properly maintained and a responsible operator shall be on hand at all times when pumps are operation.

4. The Owner will shut off flow to the Trickling Filter Splitter Box in preparation for the "Trickling Filter No. 3 Piping Rehabilitation" and "Trickling Filter No.4 Piping Rehabilitation" work. The Contractor shall dewater the remaining contents in the line for cleaning, inspection, and rehabilitation.

APPROVED:



Justin Sharper, P.E.

12-7-23

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: City of Baton Rouge
Parish of East Baton Rouge
Purchasing Division, Room 826
222 Saint Louis St, City Hall
Baton Rouge, Louisiana 70802
(Owner to provide name and address of owner)

BID FOR: North Wastewater Treatment Plant Large Diameter Pipe Rehabilitation Project

C.P. Proj. No: 21-TP-MS-0034

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Bypass Pumping for 48" Sewer Pipe (Final Effluent Piping)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
8130001	21	Day		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Bypass Pumping: Pipe Setup/Breakdown			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
8130002	1	Lump Sum		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Bypass Pumping Standby Time			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
8130003	7	Day		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Mobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
9090100	1	Lump Sum		Not Used

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Final Effluent Piping Rehabilitation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
9999991	1	Lump Sum		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Trickling Filter No. 3 Piping Rehabilitation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
9999992	1	Lump Sum		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ___ Trickling Filter No. 4 Piping Rehabilitation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
9999993	1	Lump Sum		

DESCRIPTION:	☐ Base Bid or ☐ Alt.# ___ Not Used			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION *(Quantity times Unit Price)*
Not Used	Not Used	Not Used	Not Used	Not Used

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

SECTION 813
SEWER FLOW CONTROL

813-1 DESCRIPTION: Sewer flow control is a set of methods to adjust the flow in the sewer system to allow for inspection, maintenance, repair or replacement. This is accomplished by either blocking or plugging the incoming lines to restrict flow or through the use of pumps to bypass the flow around the work area until the work is completed.

813-2 SCOPE OF WORK:

a. The Contractor shall be required to furnish all materials, labor, equipment, power, maintenance, etc. to implement the necessary flow control system and control the flow around and/or through the work area for the duration of the work.

b. The design and installation of the necessary systems as well as the operation of the temporary pumping systems (if necessary) shall be the Contractor's responsibility.

c. If bypass pumping and/or pump station shut down is required, the Contractor shall coordinate with the City Parish personnel.

d. Flow control will be required to conduct inspection and other maintenance/rehabilitation operations for the Final Effluent Piping.

e. No public notification is required.

f. The Contractor shall provide flow control system that is capable of meeting the requirements necessary for the cleaning and CCTV inspection of pipes, pipe rehabilitation work, and testing to be completed by others.

g. The design flow for the bypass system shall be 10,400 gallons per minute.

813-3 SUBMITTALS: At the request of the Engineer, the Contractor shall submit the following information:

a. Flow Control Plan: At the request of the Engineer, the Plan shall be submitted a minimum of 72 hours prior to controlling flows and shall include the following information:

    1. Detailed procedures for handling peak estimated flow
    2. Schedule for controlling flow
    3. Listing of equipment needed for flow control
    4. Operation plan
    5. Emergency procedures
    6. Permits to close roads or lanes if necessary
    7. Drawing of plug, bypass pump and pipeline locations (if bypass pumping is required)
    8. Bypass pump sizes, capacities, number of each size to be onsite (including standby equipment) and power requirements (if bypass pumping is required)
    9. Bypass pipeline sizes and material types (if bypass pumping is required)

813-4 PLUGGING OR BLOCKING:

a. A sewer line plug permanently marked with a Contractor identification tag, shall be inserted into the line upstream of the pipe segment being inspected or repaired. Where necessary, plugs permanently marked with a Contractor identification tag,

shall also be installed into the storm sewer pipe. Plugs shall be so designed that all or any portion of the flow can be released. All plugs shall have a tag line attached to them that extends outside of the manhole or wet well in addition to the air line in case of air line rupture. During CCTV inspection and sealing operations, flow shall be eliminated.

b. After the Work has been completed and restricting the flow is no longer needed for the work, then the flow shall be restored to normal. Flow shall be restored by removing the plugs in an order that permits flow to slowly return to normal without surcharging or causing other major disturbances downstream.

c. Temporary plugs shall be removed and the flow restored to normal at the end of each working day. If downstream work is not or cannot be completed during the workday then the Contractor shall be required to provide, operate, and maintain bypass pumping system on a 24 hour basis.

d. The Contractor may opt to block lines by using the existing isolation valves at the treatment facility.

813-5 PERFORMANCE REQUIREMENTS:

a. It is essential that the plant effluent have no interruption through the duration of the Final Effluent Rehabilitation Work. The Contractor shall provide, maintain and operate all temporary facilities such as dams, plugs, pumping equipment (both primary and back-up units) as necessary to intercept the flow before it impacts the work area, and discharge as directed by City Parish.

813-6 FLOW ELIMINATION:

a. The flow shall be completely eliminated when required for sewer pipe replacement, structural concrete repairs in deteriorated manholes, or installation of cured-in-place pipe.

b. Flow elimination may be accomplished by closing various isolation gates. Temporary shutdowns shall be coordinated with City Parish personnel only.

c. It is essential that the bypass pumping system remains operational once the rehabilitation work is started. If an event occurs where the bypass system must be taken offline while the rehabilitation work is ongoing, any cleaning of the lines and debris removal shall be the responsibility of the Contractor and shall be done in accordance with Section 812; unless the event was due to Owner (i.e. expected incoming flows above requested flow control pumping capacity).

d. City Parish and agent of City Parish shall coordinate with the offsite SCADA/ Collection System to equalize peak flows. Should wet weather flow occur that cannot be managed by offsite equalization, the Contractor shall halt work, clear the Final Effluent Lines of equipment and personnel, and allow the flow to return through the lines until the wet weather has passed. The Contractor shall then coordinate with City Parish personal before re-establishing bypass operations.

813-7 PUMPING AND BYPASSING:

a. The City Parish shall obtain approval and secure all permits for placement of temporary bypass pumping system and pipeline within public or private right-of-way.

b. Bypass pumping shall be required to complete all work associated with the Final Effluent Line Rehabilitation. The Contractor shall supply the necessary pumps, conduits, and other equipment to divert the flow around the work area in which work is to be performed. The bypass system shall be of sufficient capacity to handle existing flows indicated in 8.13-2.g. The Contractor shall coordinate. Electric pumps or diesel silent pack pumps shall be used. No other type of pump will be acceptable without prior approval of the Owner.

c. The Contractor shall be responsible for furnishing the necessary equipment, power, labor, and supervision to set up and operate the pumping and bypassing system.

d. The Contractor shall be solely responsible for clean-up, repair, property damage costs and claims resulting from failure of the diversion system.

e. The Contractor shall furnish, install, and maintain power, primary and standby pumps, equipment, and bypass piping required to maintain existing flows and services.

    1. 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. All pumps used must be constructed to allow dry running for long periods of time to accommodate the cyclical nature of effluent flows.

    2. The Contractor shall provide the necessary stop/start controls for each pump.

    3. The Contractor shall include one stand-by pump of each size to be maintained on site. Back-up pumps shall be on-line and isolated from the primary system by a valve.

    4. In order to prevent the accidental spillage of flows, all discharge systems shall be temporarily constructed of a secure, tight, leak free discharge pipe. Under no circumstances will aluminum “irrigation” type piping or glued PVC pipe be allowed.

f. The Contractor shall be responsible for continuity of service during the execution of the work.

g. The pumps and the bypass lines shall be of adequate capacity and size to handle all flows without backup.

h. Costs of bypass pumping, when needed, shall be included in the Contractors bid and shall be considered incidental to the work, unless a specific bid item is provided in the bid form.

813-8 SERVICE LATERAL DISCONNECTION:

a. **Not applicable.**

813-10 FIELD QUALITY CONTROL AND MAINTENANCE:

a. Testing: The Contractor shall perform leakage tests of the bypass pumping discharge piping using clean water prior to operation.

b. Inspection: The Contractor shall inspect the bypass-pumping system no less than

once every 2 hours to ensure that the system is working correctly.

c. Maintenance of Service: The Contractor shall ensure that the temporary pumping system is properly maintained and a responsible operator shall be on hand at all times when pumps are operating.

813-11 CLEANING:

a. Before the bypass pumping system is dismantled, either to be moved to the next section or at the completion of the work, discharge sewage remaining in the bypass discharge pipeline and pumping equipment into the working sanitary sewer. Storm water is to be discharged at a downstream location, as approved by the Engineer.

b. Upon completion of the bypass pumping operation, disturbed areas shall be cleaned and restored to their original condition. This restoration should restore the site to a condition which is at least equal to or better than the condition which existed prior to the start of the work.

813-12 LIABILITY: The Contractor shall be responsible for damages to private or public property that may result from the sewer flow control operations. The Contractor shall be responsible for any violations of laws, regulations or permits and shall indemnify and hold the Owner harmless for any and all damages, including but not limited to, fines, penalties and law suits which arise from such violations.

813-13 MEASUREMENT: If a pay item for bypass pumping is included in the Contract, measurement will be as follows:

a. **Bypass Pumping for 48" Sewer Pipe (Final Effluent Piping):** Measurement for this item shall be on a per day basis. Measurement of time will not start until after the bypass pumps and piping are installed, tested, and deemed fully operational by the Engineer. The Measurement of Time will start when the flow in the pipe is successfully bypassed and the rehab contractor is able to commence their scope of work. Measurement of time will end when the bypass pumps are shut off and the flow is returned to the rehabbed sewer line. Time will be rounded to the nearest half day.

b. **Bypass Pumping: Pipe Setup/Breakdown:** Measurement for this item shall be made on a lump sum basis.

c. **Bypass Pumping Standby Time:** Measurement for this item shall be on a per day basis. Measurement of time will not start until the Contractor is instructed by the Owner to shut down the bypass system due to anticipated inclement weather or other emergency.

813-14 PAYMENT: If no pay item for bypass pumping is included in the Contract, bypass pumping shall be at no direct cost and the Contractor shall include the cost in the price bid on other items. If a pay item for bypass pumping is included in the Contract, payment will be made as follows:

a. **Bypass Pumping for 48" Sewer Pipe (Final Effluent Piping):** Payment for this Work will be full compensation for furnishing all labor, materials, equipment rentals, fuel, and incidentals required to complete the Work. This item is intended to compensate the Contractor for the costs associated with providing the pipes and pumps and running
the bypass system.

b. **Bypass Pumping: Pipe Setup/Breakdown:** Payment for this Work will be full compensation for furnishing all labor, materials, equipment, set-up, and incidentals required to set up all pumps and piping required for the bypass system. This lump sum payment shall include all work necessary to complete the installation and removal of the system. This includes, but is not limited to, labor, equipment, material, excavation, backfill, removal, and disposal.

c. **Bypass Pumping Standby Time**: Payment for this item will be full compensation for the in-place equipment that is idle due to the system being shut down. This item is intended to cover the costs of rentals during times when the Contractor is instructed by the Owner to shut down the bypass system due to anticipated inclement weather or other emergency.

813-15 PAY ITEMS:

Item No.	Item	Unit
8130001	Bypass Pumping for 48” Sewer Pipe (Final Effluent Piping)	Day
8130002	Bypass Pumping: Pipe Setup/Breakdown	Lump Sum
8130003	Bypass Pumping Standby Time	Day