



**Request for Bid
Duncan Road Sewer Improvements Addendum No. 2 to
RFB No. 404530.71.0415
May 6, 2021**



The following information encompasses Addendum No. 1 for the above referenced RFB. Bidders shall fully consider and acknowledge this Addendum in the preparation and submittal of its formal Bid. Failure to do so may result in the rejection of the Bid.

Section 1 – Update to 00170.1 Introduction

Section 2 – Update to 00370.3 Bid Pricing Information

Section 3 – Update to Specification 02530 Pages 9, 27, and 29

All other conditions and requirements remain unchanged.

**Section 1
Update to 00170.1 Introduction**

00170 - Request for Bid

00170.1 Introduction

Sealed bids will be received at the ~~Office of the City of Memphis Environmental Administration, Room 620, City Hall, 125 N. Main, Memphis, TN 38103~~ [SARP10 Office located at 845 Crossover Lane, Suite 120, Memphis, TN 38117](#), until **3:00 p.m. local time, May 20, 2021** for furnishing the City of Memphis with the following:

FOR THE DIVISION OF: PUBLIC WORKS FOR THE CONSTRUCTION OF:
SARP10 Program **Duncan Road Sewer Improvements**

It is preferred that a delivery services such as FedEx, UPS or USPS be used, but a single employee from each bidding company will be allowed in the building to drop off the bid package at the front desk, if necessary. The bids will be opened at the SARP10 office. **The public will not be allowed in the office, but the bid opening will be held via conference call. Call information will be posted on the SARP10 website by 5:00 PM on May 19, 2021.** All bid forms will be posted on the SARP10 website to maintain transparency in the bidding process. Late bids will be rejected and will not be considered for award. Additional instructions for submitting the bids are included in the RFB.

The Sealed Bid envelope must be labeled with the project name, bidder's name, license bidder number, license expiration date, license classification. The Sealed Bid envelope must contain one (1) hardcopy of the bid and one (1) electronic CD copy of the bid.

Sealed Bids sent through the mail or other such delivery service shall be sent in such a manner so as to allow the opening of the "Mailing Container" and still have intact the sealed Bid. On the Mailing Container the sender shall state the words that a "**SEALED RESPONSE IS ENCLOSED**" and the Bid number.

Subcontractors intending to bid on this project must follow the instructions for Registration as stated in the Advertisement Legal Notice Request for Bid No. **404530.71.0415** (dated April 2, 2021). Registration information must be submitted by **April 29, 2021**.

00170.2 Program Overview

The Program consists of the management of the capital program needed to bring the City's wastewater and sewer system into compliance with federal and state regulations per the City of Memphis Wastewater Collection and Transmission System (WCTS) Condition Assessment and Rehabilitation Program Consent Decree signed on September 21, 2012, including the procurement of studies, design and construction services associated with the City of Memphis SARP10 Program.

00170.3 Scope of Work

The Scope of Work for this project includes, but is not limited to, installing new 15" diameter gravity sanitary sewer lines, installing new manholes, abandoning existing pipes and manholes. Other related work includes, but is not limited to, erosion control, site prep & restoration, and post construction sewer and manhole NASSCO assessments.

00170.4 Bid Guarantee Requirements

Guarantee Requirements:

- a) Bidder will not withdraw bid for one hundred eighty (180) calendar days after opening of bids without Purchaser's written consent.
- b) If bid is accepted, bidder will enter into formal Subcontract with Purchaser, within five (5) calendar days after receipt of Subcontract documents for execution.
- c) If bid is accepted, bidder will execute required 100% Performance/Payment Bond in accordance with Article 00571.4 and will obtain required insurance coverage in accordance with Article 00572.21 within ten (10) calendar days after receipt of Subcontract.





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**Section 2
Update to 00370.3 Bid Pricing Information**

Table 00370.3.1 - Unit Price Bid Form

Bidder should refer to Section 00270, Instructions to Bidders, when completing this Bid Form. Bidder shall complete this form entirely and return it with Bidder's Bid.					
Bid Submitted by: (Company Name)					
00370.3 Bid Pricing Information					
00370.3.1 Unit Pricing					
Bidder proposes to complete the RFB Work based on firm, fixed, unit prices (US dollars), which prices multiplied by the final Work quantities would represent the full consideration to Bidder for its complete and satisfactory performance of the Work in compliance with all the terms and conditions of the RFB Documents. The Unit Prices in this Table include the cost of all the work which is required or implied by the RFB documents or which may be inferred therefrom, and which is customarily provided in furnishing a complete and finished work item of its kind. Further, any and all alterations, modifications, and adjustments to the work item, which is reasonably foreseeable or customarily encountered in providing and installing equipment, material, and services of the work item kind, will be performed without additional compensation.					
In the event of a Purchaser-approved change in the scope of Work for which a unit price from this Table is not applicable, as determined by the Purchaser, the Subcontractor shall provide a new unit price for review and acceptance by the Purchaser. Subcontractor shall provide all information requested by the Purchaser to substantiate the value of the new unit price.					
00370.3.1.1 Unit Prices Breakdown				Bidder Response Columns	
Item Number	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Extension Price
71.0415 Duncan Road Sewer Improvements					
1	Mobilization	Lump Sum	1		\$ -
01560-08	Temporary Silt Fence (with backing)	Linear Foot	5,600		\$ -
02530-6.03.15.15.03	15" Polyvinyl Chloride (PVC) Pipe 10.1'-14.0' deep	Linear Foot	490		\$ -
02530-6.03.15.15.04	15" Polyvinyl Chloride (PVC) Pipe 14.1'-18.0' deep	Linear Foot	2,010		\$ -
02530-6.03.15.15.05	15" Polyvinyl Chloride (PVC) Pipe 18.1'-22.0' deep	Linear Foot	270		\$ -
02530-6.06	Bypass Pumping	Lump Sum	1		\$ -
02530-6.09	Hydroexcavation / Hand Digging	Linear Foot	2,800		\$ -
02530-6.11	Trench Dewatering	Linear Foot	2,800		\$ -
02531-4.01.B	4' Dia. Precast Sewer Manhole Installation	Vertical Foot	140		\$ -
02541-4.01.A	Light Cleaning & Mainline CCTV	Linear Foot	2,800		\$ -
02544-4.01.A	Post-GPS Coordinates of each Manhole Cover	Each	8		\$ -
02544-4.01.C-1	Post-MACP Level 2 Manhole Inspection	Each	8		\$ -
02630-4.01.A	Site Preparation and Restoration	Lump Sum	1		\$ -
02920-5.01	Seeding (With Mulch)	Per 1,000 SF	40		\$ -
71.0415 Duncan Road Sewer Improvements - Total Estimated Unit Price Value					\$ -



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**Section 3
Update to Specification 02530 Pages 9, 27, and 29**

clear of water shall be provided by the Subcontractor. The Subcontractor shall avoid producing mud in the trench bottom by his operations. If necessary or so ordered by the Purchaser, the Subcontractor shall remove any soil that becomes unacceptable and replace it with limestone or other approved aggregate at his own expense to maintain a firm, dry base.

2. Pipe embedment, laying, jointing, and the placing of concrete or masonry shall be done in a water free trench or excavation. Trenches shall be kept clear of water until pipe joints, concrete and masonry have set and are resistant to water damage. The water shall be disposed of in a manner acceptable to the Purchaser.
3. All gutters, pipes, drains, conduits, culverts, catch basins, storm water inlets, ditches, creeks, and other storm water facilities shall be kept in operation, or their flows shall be satisfactorily diverted and provided for during construction. Any facilities disturbed during construction shall be restored to the satisfaction of the Purchaser.

G. Excavation Around Obstructions

1. The Subcontractor shall cautiously excavate to find the limits of underground obstructions anticipated within the excavation. When a water pipe, gas pipe, other sanitary sewer, storm drain, or similar utility comes within the limits of the trench, such facilities will be properly supported.
2. The Subcontractor shall perform all excavation by hand where excavation machinery would endanger trees, structures, or utilities that otherwise might be saved by hand excavation.

~~3. Hydroexcavation/Hand Digging~~

- ~~a. The Subcontractor, in order to protect existing utilities, shall cautiously hydroexcavate or hand excavate the entire perimeter of the excavation to a minimum depth of four feet to locate all underground obstructions within the excavation. The excavation method to be utilized on any given repair (hydroexcavation or hand digging) is at the Subcontractor's discretion. When a water pipe, gas pipe, other sanitary sewer, storm drain, or similar utility comes within the limits of the trench, such facilities shall be properly supported.~~

H. Excavation for Manholes and Special Structures

1. The Subcontractor shall be responsible for performing the Work according to the lines and elevations shown on the Drawings or as directed by the Purchaser. The Subcontractor shall excavate as required for all structures with foundations carried to firm, undisturbed earth at the elevation of the underside of the structure.
2. The outside dimensions of excavations for manholes and special structure shall be at least 12 inches greater than the outside of the masonry or concrete work to permit backfilling around the structure.
3. Where structures are to be built in street rights-of-way or paved areas, the excavation shall not exceed 2 feet from the outside of the masonry or concrete work. If the excavation exceeds this limit, the Subcontractor shall be required to backfill the entire space around the structure with pit run gravel compacted as specified in this Specification.

I. Special Protection

areas directed by the Purchaser will be measured by the cubic yard in the following manner. Cubic yards of Pavement Backfill equals the linear feet of sewer pipe installed directly below pavement as measured along the centerline of the pipe multiplied by the trench payline width in feet multiplied by the depth of pavement backfill material in feet divided by 27. The trench payline width is defined as the outside diameter of the sewer pipe plus 2 feet. The depth of pavement backfill is defined as the distance from 6 inches above the top of the sewer pipe to the subgrade elevation of the pavement.

5.06 BYPASS PUMPING

A. Bypass pumping will be measured as a lump sum item.

5.07 TRAFFIC CONTROL

A. Traffic control will be measured as specified in Section 01551 – Traffic Control for Construction Work Zones.

5.08 INVERTED SIPHONS

A. Inverted siphons constructed according to Plans and Specifications will be measured per lump sum for each siphon complete in place.

~~5.09 HYDROEXCAVATION/HAND DIGGING~~

~~A. Hydroexcavation and/or hand digging of the trench perimeter will be measured per linear foot of sewer pipe replaced.~~

5.10 EXCAVATION

A. All work for excavation, blasting, drainage of trenches and dewatering, backfilling of excavation, compaction, grading, protection of existing utilities, disposal of excess material, and all other similar items included in this section of the Specifications but not covered by a Pay Item herein will be considered obligations of the Subcontractor under other Pay Items of the Contract.

5.09 PIPE WYES

A. Pipe wyes on sewer lines will not be measured for payment, but are incidental to the cost of furnishing and installing sewer pipe.

5.10 STEEL CASING

A. Measurement shall be along the centerline of the installed steel casing pipe. Measurement shall not be made of incidental work, including sheeting, shoring, grout, excavation, backfill, or other work related to installing the steel casing pipe complete and in place.

5.11 TRENCH DEWATERING

A. Measurement shall be along the centerline of the installed sanitary sewer pipe, and shall include all equipment, labor, and material necessary for proper dewatering of the pipe trench.

PART 6 - PAYMENT

- A. Payment will be made for Inverted Siphons at the contract lump sum price, which price will be full compensation for material and material testing, excavation, special protection, cofferdams, temporary bulkheads, maintenance of sewage flow during construction, protection of existing utilities, inlet manhole and outlet manhole with rims and covers, intermediate manholes siphon pipe and fittings, concrete encasement, conducting acceptance tests, removal and/or abandonment of existing pipe within the limits of excavation, and backfilling.

~~6.09 — HYDROEXCAVATION/HAND DIGGING~~

- ~~A. Hydroexcavation and/or hand digging of the trench perimeter will be paid per linear foot of pipe installed where one of these methods is used. Payment shall include all material and labor required to complete the item as specified.~~

6.10 STEEL CASING

- A. The accepted quantities of all still casing pipe will paid for at the contract unit price per linear foot furnished and laid for the various sizes, types, classes, or wall thicknesses of pipe, which will be full compensation for installation, labor, pipe, materials, equipment, tools and incidentals necessary to complete the work.

6.11 TRENCH DEWATERING

- A. The accepted quantities will be paid for at the contract unit price per linear foot furnished and laid of sewer pipe, which will be full compensation for equipment, material, labor, and incidentals to properly dewater the trench during excavation.

PAYMENT WILL BE MADE UNDER:

Item No.	Pay Item	Pay Unit
02530-6.01	LOCATE AND EXPOSE MAINLINE TERMINUS	Each
02530-6.02	UNDERCUT BACKFILL	Ton
02530-6.03	SEWER PIPE	Linear Foot
02530-6.03.06.10	10" DUCTILE IRON PIPE, CLASS 50	Linear Foot
02530-6.03.15.08.01	8" POLYVINYL CHLORIDE (PVC) 0' - 6' DEEP	Linear Foot
02530-6.03.15.15.01	15" POLYVINYL CHLORIDE (PVC) 0' - 6' DEEP	Linear Foot
02530-6.03.15.15.02	15" POLYVINYL CHLORIDE (PVC) 6.1' - 12' DEEP	Linear Foot
02530-6.03.15.24.01	24" POLYVINYL CHLORIDE (PVC) 0' - 6' DEEP	Linear Foot
02530-6.03.15.24.02	24" POLYVINYL CHLORIDE (PVC) 6.1' - 12' DEEP	Linear Foot
02530-6.03.15.30.01	30" POLYVINYL CHLORIDE (PVC) 6.1' - 12' DEEP	Linear Foot
02530-6.04	SERVICE CONNECTION REMOVAL AND REPLACEMENT	Each
02530-6.05	PAVEMENT BACKFILL	Cubic Yard
02530-6.06	BYPASS PUMPING	Lump Sum
02530-6.08	INVERTED SIPHONS	Lump Sum
02530-6.09	HYDROEXCAVATION/HAND DIGGING	Linear Foot
02530-6.10	STEEL CASING	Linear Foot
02530-6.11	TRENCH DEWATERING	Linear Foot

END OF SECTION 02530