



Engineering Progress

January 29, 2019

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Attn: Honorable Toby Barker

RE: Comprehensive Sanitary Sewer Study
Task Order #6
City of Hattiesburg, MS

Dear Mayor Barker,

Shows, Dearman and Waits, Inc. (Engineer) is pleased to provide professional services to assist the City of Hattiesburg (City) in accordance with the contract dated October 8, 2013. In support of the City's effort to reduce sanitary sewer overflows, regain system capacity, and allow for asset management of the sewer collection infrastructure the ENGINEER shall continue data collection, inspection and evaluation of the City's wastewater system in a manner consistent with previous work.

Professional services requested by the City and included in this Task Order #6 are composed of items of work as listed on Attachment "A". The study area in Task Order #6 shall be defined based on the processed flow data information, environmental factors, SSOs, and other influential factors which would adjust work area as determined by the City. At this time, the City desires to complete the inspection of the large diameter trunk lines which flow to the lagoons and other areas as directed by the City.

Due to the complexity and varying level of investigation necessary to properly assess the sanitary sewer collection system, there are no estimated quantities included in the scope of work. The pay items which will be utilized where required to properly evaluate the system, as determined by the City, are identified in the aforementioned Attachment "A".

Compensation for work performed will be on a unit price basis per Attachment "A" with a not to exceed fee of \$500,000.00. This task order will cover all professional services described and performed for twelve (12) months from March 7, 2019, or per a mutually agreed upon extension by both parties.

Please indicate acceptance of Task Order #6 by execution and return to our office. Thank you for the opportunity to provide these services to the City of Hattiesburg.

Sincerely,

John T. Weeks, P.E.
Vice-President

/aa

Enclosure

ACCEPTED:

Mayor Toby Barker

Date

CITY OF HATTIESBURG
PROJECT NO. 11202 - SEWER SYSTEM EVALUATION SURVEY (SSES)
TASK ORDER #6
Contract Term - 12 Months - Start Date 3/7/19

Item No.	Service Description	Unit	Unit Price
SECTION 1000 MOBILIZATION DEMOBILIZATION			
1000.01	Temporary Flow Monitoring - Turn-Key Study w/Report - 60 Day Study	Each	\$ 7,500.00
SECTION 2000 FLOW MONITORING SERVICES			
2000.01	Temporary Flow Monitoring - Turn-Key Study w/Report - 60 Day Study	Each	\$ 5,225.00
2000.02	Temporary Flow Monitoring - 30 Day Extension	Each	\$ 2,310.00
2000.03	Temporary Rain Guage - Turn-Key Study w/Report - Based on 60 Day Study	Each	\$ 1,650.00
2000.04	Temporary Rain Guage - 30 Day Extension	Each	\$ 660.00
2000.05	Pump Station Evaluation - Monitoring & Pump Conformations	Each	\$ 1,650.00
2000.06	Long-Term Flow Monitor Installation	Each	\$ 2,750.00
2000.07	Long-Term Flow Monitor Maintenance, Calibration & Reporting - Per Mo.	Each	\$ 1,265.00
2000.08	Long-Term Rain Guage Installation	Each	\$ 1,045.00
2000.09	Long-Term Rain Guage Maintenance, Calibration & Reporting - Per Mo.	Each	\$ 330.00
2000.10	Night Flow Isolation	Each	\$ 357.50
SECTION 3000 SMOKE TESTING			
3000.01	Smoke Testing (Including Data Management)	Linear Foot	\$ 0.50
SECTION 4000 MANHOLE SERVICES			
4000.01	3D MH Condition Assessment w/Internal Images and GPS Data Collection	Each	\$ 104.50
4000.02	Structural Manhole Condition Assessment w/Internal Images	Each	\$ 88.00
4000.03	Removal of Stabilized Debris	Each	\$ 220.00
4000.04	Manhole Inspection Data Management	Each	\$ 4.40
SECTION 5000 SANITARY SEWER LINE CLEANING			
5000.01	Standard Cleaning 6" Sanitary Sewer	Linear Foot	\$ 1.50
5000.02	Standard Cleaning 8" Sanitary Sewer	Linear Foot	\$ 1.60
5000.03	Standard Cleaning 10" Sanitary Sewer	Linear Foot	\$ 1.82

5000.04	Standard Cleaning 12" Sanitary Sewer	Linear Foot	\$ 2.20
5000.05	Standard Cleaning 15" Sanitary Sewer	Linear Foot	\$ 3.30
5000.06	Standard Cleaning 18" Sanitary Sewer	Linear Foot	\$ 6.60
5000.07	Standard Cleaning 21" Sanitary Sewer	Linear Foot	\$ 7.70
5000.08	Standard Cleaning 24" Sanitary Sewer	Linear Foot	\$ 8.80
5000.09	Standard Cleaning 27" Sanitary Sewer	Linear Foot	\$ 9.90
5000.10	Standard Cleaning 30" Sanitary Sewer	Linear Foot	\$ 13.20
5000.11	Standard Cleaning 36" Sanitary Sewer	Linear Foot	\$ 16.50
5000.12	Protruding Tap Cutting	Each	\$ 220.00
SECTION 6000 ROOT/GREASE CUTTING			
6000.01	Root/Grease Cutting in 6" - 12" Sanitary Sewer	Linear Foot	\$ 1.32
6000.02	Root/Grease Cutting in 15" - 21" Sanitary Sewer	Linear Foot	\$ 2.20
6000.03	Root/Grease Cutting in 24" - 36" Sanitary Sewer	Linear Foot	\$ 3.85
SECTION 7000 CLOSED CIRCUIT TELEVISION INSPECTION			
7000.01	CCTV Inspection <21" Sewer Pipe	Linear Foot	\$ 1.38
7000.02	CCTV Inspection 21" - 36" Sewer Pipe	Linear Foot	\$ 2.20
7000.03	CCTV Inspection of Service Laterals w/GPS Data Collection	Linear Foot	\$ 247.50
7000.04	Additional Set Up	Each	\$ 220.00
7000.05	CCTV Inspection Data Management	Linear Foot	\$ 0.17
SECTION 8000 SPECIALTY INSPECTION			
8000.01	Sonar/CCTV Inspection of 18" - 36" Sewer Line	Linear Foot	\$ 5.50
SECTION 9000 BYPASS PUMPING			
9000.01	Setup of 3"-4" Bypass Pump	Each	\$ 770.00
9000.02	Setup of 6" Bypass Pump	Each	\$ 1,650.00
9000.03	Setup of 8" Bypass Pump	Each	\$ 2,200.00
9000.04	Operation of 3"-4" Bypass Pump	Hour	\$ 44.00
9000.05	Operation of 6" Bypass Pump	Hour	\$ 71.50
9000.06	Operation of 8" Bypass Pump	Hour	\$ 99.00
SECTION 10000 MISCELLANEOUS FIELD SERVICES			
10000.01	Traffic Flagman	Hour	\$ 49.50

10000.02	Cleaning Wet Wells	Hour	\$	467.50
10000.03	Dye Testing	Each	\$	440.00
10000.04	Combination Cleaning Truck w/Operator & Helper <10,000 LF (Min 8 Hrs)	Hour	\$	302.50
10000.05	CCTV Inspection Unit w/Operator & Helper <10,000 LF (Min 8 Hrs)	Hour	\$	192.50
10000.06	Rehabilitation Recommendations	Linear Foot	\$	0.30
SECTION 11000 CHEMICAL ROOT TREATMENT				
11000.01	Chemical Root Treatment 6" - 8" Sanitary Sewer	Linear Foot	\$	1.75
11000.02	Chemical Root Treatment 10" Sanitary Sewer	Linear Foot	\$	1.94
11000.03	Chemical Root Treatment 12" Sanitary Sewer	Linear Foot	\$	2.11
11000.04	Chemical Root Treatment 15" Sanitary Sewer	Linear Foot	\$	3.00
SECTION 12000 ACOUSTIC PIPE INSPECTION				
12000.01	Acoustic Pipe Inspection of Sanitary Sewer	Linear Foot	\$	0.30
SECTION 13000 ELECTROSCAN				
13000.01	Electroscan of Sanitary Sewer	Linear Foot	\$	4.40