



Community Development Department
Engineering Division

2013 SEWER REHABILITATION PROJECT

Project #: 2013-06

Bid Date: June 11, 2013

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2. Bid Schedule
3. Addendums
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NOTICE INVITING SEALED BIDS
2013 SANITARY SEWER REHABILITATION PROJECT
PROJECT NO. 2013-06
IN THE CITY OF BARSTOW, CALIFORNIA

PUBLIC NOTICE IS HEREBY GIVEN that the City of Barstow as AGENCY, invites sealed bids for the above stated project and will receive such bids in the office of the City Clerk, 220 E. Mountain View St., Suite A, Barstow California 92311 up to the hour of 2:00 p.m., on the 11th day of June, 2013. The bids will be publicly opened and read at 2:00 p.m. on the 11th day of June, 2013, in the office of the City Clerk of the City of Barstow, 220 E. Mountain View St., Suite A, Barstow, California 92311.

The Engineer's Estimate for this project is:

Option 1= \$634,415.00

Option 2= \$591,185.00

The project consists of sanitary sewer line rehabilitation, line replacement, point repairs, sanitary sewer line cleaning, CCTV inspection, and doing all appurtenant work in place and ready for use

Copies of the plans, specifications, and contract documents are available from the City of Barstow, 220 E. Mountain View St., Suite A, Barstow, California 92311 upon payment of a **\$25.00** non-refundable fee if picked up, or payment of a **\$35.00** non-refundable fee if mailed. In accordance with the provisions of California Public Contract Code § 3300, and Business and Professions Code § 7028.15(e), the City has determined that the contractor shall possess a valid **Class A** or **C42** contractor's license at the time that the contract is awarded. Failure to possess the specified license shall render the bid as non-responsive and shall act as a bar to award of the contract to any bidder not possessing said license at the time of the award.

CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, P.O. BOX 2600 SACRAMENTO, CA 95826. At the time the contract is awarded, the contractor shall be properly licensed in accordance with the laws of this state. The first payment for work or material shall not be made unless and until the Registrar of Contractors verifies to the City that the records of the Contractors' State License Board indicate that the contractor was properly licensed at the time the contract was awarded. Any bidder or contractor not so licensed shall be subject to all legal penalties imposed by law including, but not limited to, any appropriate disciplinary action by the Contractors' State Board. Failure of the bidder to obtain proper and adequate licensing for an award of a contract shall constitute a failure to execute the contract and shall result in the forfeiture of the security of the bidder. (Public Contract Code § 20103.5)

Bids must be prepared on the approved bid forms in conformance with INSTRUCTION TO BIDDERS and submitted in the envelopes provided, sealed and plainly marked on the outside:

"SEALED BID FOR 2013 SANITARY SEWER REHABILITATION PROJECT
PROJECT NO. 2013-06
DO NOT OPEN WITH REGULAR MAIL"

The bid must be accompanied by a bid guarantee in the amount of 10% of the total bid by 2:00 p.m. on 11th day of June, 2013. More specifically, pursuant to Public Contract Code §§ 20170 and 20171, all bids for the project shall be presented, under sealed cover and shall be accompanied by one of the following forms of bidder's security in the amount of ten percent (10%) of the bid: (a) cash; (b) a cashier's check made payable to the City of Barstow; (c) a certified check made payable to the City of Barstow; or (d) a bidder's bond executed by an admitted surety insurer, made payable to the City of Barstow. Such security shall be forfeited should the successful bidder to whom the contract is awarded

fails to timely execute the contract and deliver the necessary bonds and insurance certificates as specified in the contract documents.

To the extent applicable, at any time during the term of the Agreement for the proposed project, the successful bidder may, at its own expense, substitute securities equivalent to the amount withheld as retention (or the retained percentage) in accordance with Public Contract Code § 22300.

Pursuant to California Civil Code § 3247, a payment bond is required to be submitted for all projects estimated in excess of \$25,000.00

The City has determined that the proposed project is a public works project subject to the provisions of Labor Code § 1720 thereby requiring the Contractor to pay the prevailing wage rates for all work performed under the Contract.

The City reserves the right to reject any and all bids.

If you have any questions, please contact *Domingo D. Gonzales*, at (760) 255-5156.

BY ORDER OF the City Council of the City of Barstow, California.

BID SCHEDULE (Continued)
2013 SANITARY SEWER REHABILITATION PROJECT
PROJECT NO. 2013-06
IN THE CITY OF BARSTOW, CALIFORNIA

Option 1 – CIPP, Manhole Installation, Point Repairs by Pipe Replacement.						
Item	Section	Description	Unit	Estimated Quantity	Unit Price	Total Price
1.	500-1.1.4	Cleaning of Pipes and Manholes	LS	1		
2.	500-1.1.5	Pre and Post CCTV Inspection	LS	1		
3.	7-10	Traffic Control and Safety	LS	1		
4.	500-1.2.4	Sewer Bypassing and Dewatering	LS	1		
5.	702	Install Manhole	Ea	2		
6.	500-1.4	Installation of 8" CIPP Liner	LF	8,375		
7.	500-1.4	Installation of 10" CIPP Liner	LF	990		
8.	500-1.4	Installation of 12" CIPP Liner	LF	960		
9.	500-1.1.7	Reconnect Sewer Service Internally	EA	240		
10.	700	Stub Replacement 8" VCP	LF	50		
11.	700	Stub Replacement 10" VCP	LF	6		
12.	700	Stub Replacement 12" VCP	LF	5		
13.	500-1.2.7	Wye's Replacement 8" VCP	EA	35		
14.	500-1.2.10	Replacement 8" VCP Pipe	LF	515		
15.	500-1.2.10	Replacement 10" VCP Pipe	LF	55		
16.	500-1.2.10	Replacement 12" VCP Pipe	LF	40		
17.	703	Manhole Cover and Frame	EA	2		

The Contractor shall be responsible for calculating and providing unit prices for the schedule. The proposal schedule shall include all costs for services, labor, materials, equipment, and installation associated in completing the work in place per the Specifications and details.

Bid Schedule Total: \$ _____

Bid Schedule Total (in words): _____

 (Company Name of Bidder)

 (Date)

The City of Barstow reserves the right to award the bid based on either on Option 1 or Option 2.

BID SCHEDULE (Continued)
2013 SANITARY SEWER REHABILITATION PROJECT
PROJECT NO. 2013-06
IN THE CITY OF BARSTOW, CALIFORNIA

Option 2 – CIPP, Manhole Installation, Point Repairs by CIPP Patch Repair.						
Item	Section	Description	Unit	Estimated Quantity	Unit Price	Total Price
1.	500-1.1.4	Cleaning of Pipes and Manholes	LS	1		
2.	500-1.1.5	Pre and Post CCTV Inspection	LS	1		
3.	7-10	Traffic Control and Safety	LS	1		
4.	500-1.2.4	Sewer Bypassing and Dewatering	LS	1		
5.	702	Install Manhole	Ea	2		
6.	500-1.4	Installation of 8" CIPP Liner	LF	8,375		
7.	500-1.4	Installation of 10" CIPP Liner	LF	990		
8.	500-1.4	Installation of 12" CIPP Liner	LF	960		
9.	500-1.1.7	Reconnect Sewer Service Internally	EA	240		
10.	500-1.2.7	Wye's Replacement 8" VCP	EA	10		
11.	704	8" CIPP Patch Repair 2'	EA	90		
12.	704	8" CIPP Patch Repair 4'	EA	15		
13.	704	10" CIPP Patch Repair 2'	EA	6		
14.	704	10" CIPP Patch Repair 4'	EA	4		
15.	704	12" CIPP Patch Repair 2'	EA	11		
16.	704	12" CIPP Patch Repair 4'	EA	5		
17.	500-1.2.10	Remove and Replace 8" VCP Pipe	LF	224		
	703	Manhole Cover and Frame	EA	2		

The Contractor shall be responsible for calculating and providing unit prices for the schedule. The proposal schedule shall include all costs for services, labor, materials, equipment, and installation associated in completing the work in place per the Specifications and details.

Bid Schedule Total: \$ _____

Bid Schedule Total (in words):

 (Company Name of Bidder)

 (Date)

The City of Barstow reserves the right to award the bid based on either Option 1 or Option 2.



June 6, 2013

ADDENDUM NO. 1

**PROJECT 2013-06
2013 Sewer Rehabilitation Project**

This addendum is hereby made part of the contract documents to the same extent as though it was originally included.

Replace Page B3 with the attached sheet. The amount of working days has been increased to 35 working days from 25 days.

If you have any questions or need additional information, please contact Domingo Gonzales, Engineering Services administrator, at telephone (760) 255-5156

Domingo D. Gonzales

Domingo D. Gonzales
Engineer Services Administrator

INSTRUCTIONS TO BIDDERS
2013 SANITARY SEWER REHABILITATION PROJECT
PROJECT NO. 2013-06
IN THE CITY OF BARSTOW, CALIFORNIA

B1.01 INSPECTION OF SITE OF WORK

Bidders are required to inspect the site of the work in order to satisfy themselves, by personal examination or by such other means, as they may prefer, of the location of the proposed work and as to the actual conditions of and at the site of work. If, during the course of his/her examination, a bidder finds facts or conditions which appear to him/her to conflict with the letter or spirit of the contract documents, or with any other data furnished him/her, he/she may apply to the Agency in writing in accordance with **B1.04 INTERPRETATION OF CONTRACT DOCUMENTS** for additional information and explanation before submitting his/her bid.

The submission of a proposal by the bidder shall constitute the acknowledgment that, if awarded the contract, he/she has relied and is relying on his/her own examination of (a) the site of the work, (b) the access to the site, and (c) all other data, matters, and things requisite to the fulfillment of the work and on his/her own knowledge of existing services and utilities on and in the vicinity of the site of the work to be constructed under the contract, and not on any representation or warranty of the Agency. No claim for additional compensation will be allowed which is based upon a lack of knowledge of the above items.

B1.02 EXAMINATION OF CONTRACT DOCUMENTS

Each bidder shall thoroughly examine and be familiar with legal and procedural documents, general conditions, specifications, drawings and addenda (if any). The submission of a proposal shall constitute an acknowledgment upon which the Agency may rely that the bidder has thoroughly examined and is familiar with the contract documents. The bidders' attention is directed to the need, if any, for special invoicing for this project. The failure or neglect of a bidder to receive or examine any of the contract documents shall in no way relieve him/her from any obligations with respect to his/her proposal or to the contract. No claim for additional compensation will be allowed which is based upon a lack of knowledge of any contract document.

B1.03 CONTRACT PERIOD/CONSTRUCTION COMPLETION DATE

Bidder's attention is called to the provisions set forth in **SECTION E, STANDARD SPECIFICATIONS**, particularly those pertaining to the contract period and liquidated damages for avoidable delays.

The Contractor shall begin work within ten (10) calendar days after the date of the Notice to Proceed, and shall diligently prosecute said work to completion before the expiration **35 WORKING DAYS**. The Contractor shall pay to the City the sum of **\$1,000.00** per day, for each and every calendar day's delay in finishing the work in excess of the number of working days prescribed above.

B1.04 INTERPRETATION OF CONTRACT DOCUMENTS

No oral interpretations will be made to any bidder as to the meaning of the contract documents. **Requests for an interpretation shall be made in writing and delivered to the Agency at least ten (10) days before the time announced for opening the proposals.** Interpretations by the Agency will be in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practical to all parties to whom the contract documents have been issued. City makes no guarantee that all bidders will receive all addenda. Copies of addenda will be made available for inspection at the office where contract documents are on file for inspection as indicated on the Invitation for Bids. All such addenda shall become part of the contract. All questions shall be addressed to Domingo D. Gonzales, Engineering



Request for Information (RFI) #1

1. We request that the City significantly extend the amount of working days.
 - a. Addendum 1 increased the days from 25 to 35 days. The contract must be completed within the 35 days. A City street improvement project is scheduled to start at the completion of the sewer rehabilitation project.
2. Is the City going to award only 1 bid schedule, or is a combination possible after review of the CCTV.
 - a. Currently, the bid proposal states that the city will award to either option 1 or option 2. A proposed bidder may submit a bid on one option or both options. The City reserves the right to award based on the lowest responsible bidder of either option.
 - b. In both options, there should be an item to address full pipe replacement. Ave. The City also reserves the right , to negotiate a Contract Change Order for unforeseen situations.
3. When looking at the Option 2 spreadsheet for CIPP Spot Repair, 20+ locations (example –ID 885-29’ and 111’ seem to be located at a lateral connection, when compared to Option 1 Spreadsheet. Is the cost to reinstate the connection to be included in the bid item price for CIPP Patch Repair.
 - a. Many of the repair at the WYEs are at the joint and should not require a service connection, but yes, please include the price with the CIPP Patch Repair.
4. What are the CIPP spot repair lengths for 1105 and 796?
 - a. 4 feet
5. For CIPP Patch Repairs, Spec 706-6.2 calls for cleaning of the pipe of anything that may block proper install. There is no requirement for full length CCTV/cleaning. If not needed for proper install correct? This is a major added cost if required.
 - a. The bid item for Pre and Post CCTV cleaning and inspection require the pipe to be cleaned thoroughly. This cleaning should address any blockages which interfere with the proper installation of the CIPP Repair method or CIPP pipe liner.

CITY OF BARSTOW
220 E MOUNTAIN VIEW ST
BARSTOW CA 92311

Plan Holders

TEL: (760) 255-5156
FAX: (760) 256-1750

Project # 2013-06 2013 Sewer Rehabilitation Project

Company Name:	Address:	Region:	Phone:	Fax:
AGC Plan Rooms	4355 Ruffin Road	San Diego, Ca 92123	(858) 874-8560	(858) 874-8569
1SqFt Planroom c/o PlanIT Reprographics	77738 Flora Road	Palm Desert, CA 92211	(800) 364-2059	(866) 570-8187
All Valley Reprographics & Planroom, Inc	15353 Anacapa Rd	Victorville, CA 92392	(760) 243-2111	(760) 243-2131
AGC Plan Rooms	4355 Ruffin Road	San Diego, Ca 92123	(858) 874-8560	(858) 874-8569
Bid America	41085 Elm Street	Murrieta, CA 92562	(909) 813-2084	(951) 600-0615
Construction Bidboard	4420 Hotel Circle Court,	San Diego, CA 92108	(800) 479-5314	(619) 688-0585
Construction Notebook	3131 Meade Avenue, Suite B	Las Vegas, NV 89102	(702) 876-8660	(702) 876-5683
iSqFt Planroom	325 W. Washington St. Suite 2212	San Diego, CA 92103	(800) 364-2059	(866) 570-8187
Mcgraw-Hill	4300 Beltway Place	Arlington, tx 76018	(877) 903-1907	(909) 987-1581
Reed Construction Data	30 Technology Parkway South	Norcross, GA 30092	(800) 317-0870	(877) 509-8463
SAK Construction of CA LP	4235 Duluph Ave	Rocklin, CA 95765	(916) 644-1413	(888) 893-5986
Insituform	1400 E. Orangethorpe Ave	Fullerton, CA 92831	(714) 278-1900	(714) 278-1911
Charles King Company, Inc	2841 Gardena Ave	Signal Hill, CA 90755	(562) 436-2974	(562) 426-9714
Repipe	5525 E. Gibraltar Street	Ontario, CA 91764	(909) 291-4050	(909) 291-4070
Pro Pipe	249 S Paseo Tesoro	Walnut, CA 91789	(714) 476-9534	(909) 598-9756
Southwest Pipeline and Trenchless, Corp	22118 S. Vermont Ave	Torrance, CA 90502	(310) 329-8717	(310) 329-0981
Sancon Engineering Inc.	5841 Engineer Drive	Huntington Beach, CA 92649	(818) 843-3318	(818) 743-7021
Pipe Rehab Specialists	14443 Friendship Dr	Herriman, UT 84096	(801) 597-4841	(000) 000-0000
Paulus Engineering, Inc	2871 E. Coronado St.	Anaheim, CA 92805	(714) 632-3975	(714) 632-9792
Christensen Brothers General Engineering Corp.	P.O. Box 1286	Apple Valley, CA 92307	(760) 240-5236	(760) 961-2307

Number of Plan Holders 20

Date: 6/10/2013

**BID SUMMARY
PROJECT 2013-06**

OPTION 1				Engineers Estimate		Insituform Technologies, LLC		Repipe California LP		Christensen Brothers General Engineering, Inc.		Southwest Pipeline & Trenchless Corp		Sancon Engineering, Inc.	
Item	Description	Unit	Qty.	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Cleaning of Pipes and Manholes	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 11,600.00	\$ 11,600.00	\$ 10,928.00	\$ 10,928.00	\$ 19,982.23	\$ 19,982.23	\$ 12,500.00	\$ 12,500.00		\$ -
2	Pre and Post CCTV Inspection	LS	1	\$ 6,000.00	\$ 6,000.00	\$ 4,500.00	\$ 4,500.00	\$ 16,200.00	\$ 16,200.00	\$ 20,680.06	\$ 20,680.06	\$ 24,250.00	\$ 24,250.00		\$ -
3	Traffic Control and Safety	LS	1	\$ 12,000.00	\$ 12,000.00	\$ 39,800.00	\$ 39,800.00	\$ 6,480.00	\$ 6,480.00	\$ 20,099.97	\$ 20,099.97	\$ 16,000.00	\$ 16,000.00		\$ -
4	Sewer Bypassing and Dewatering	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 38,300.00	\$ 38,300.00	\$ 5,400.00	\$ 5,400.00	\$ 40,192.23	\$ 40,192.23	\$ 10,000.00	\$ 10,000.00		\$ -
5	Install Manhole	EA	2	\$ 12,000.00	\$ 24,000.00	\$ 9,700.00	\$ 19,400.00	\$ 11,600.00	\$ 23,200.00	\$ 8,219.55	\$ 16,439.10	\$ 11,000.00	\$ 22,000.00		\$ -
6	Installation of 8" CIPP Liner	LF	8375	\$ 35.00	\$ 293,125.00	\$ 24.60	\$ 206,025.00	\$ 27.00	\$ 226,125.00	\$ 27.87	\$ 233,411.25	\$ 32.00	\$ 268,000.00		\$ -
7	Installation of 10" CIPP Liner	LF	990	\$ 35.00	\$ 34,650.00	\$ 30.00	\$ 29,700.00	\$ 31.50	\$ 31,185.00	\$ 35.28	\$ 34,927.20	\$ 35.00	\$ 34,650.00		\$ -
8	Installation of 12" CIPP Liner	LF	960	\$ 35.00	\$ 33,600.00	\$ 36.50	\$ 35,040.00	\$ 44.00	\$ 42,240.00	\$ 48.36	\$ 46,425.60	\$ 45.00	\$ 43,200.00		\$ -
9	Reconnect Sewer Service Internally	EA	240	\$ 220.00	\$ 52,800.00	\$ 60.00	\$ 14,400.00	\$ 25.00	\$ 6,000.00	\$ 28.49	\$ 6,837.60	\$ 25.00	\$ 6,000.00		\$ -
10	Stub Replacement 8" VCP	LF	50	\$ 140.00	\$ 7,000.00	\$ 280.00	\$ 14,000.00	\$ 513.00	\$ 25,650.00	\$ 580.52	\$ 29,026.00	\$ 630.00	\$ 31,500.00		\$ -
11	Stub Replacement 10" VCP	LF	6	\$ 140.00	\$ 840.00	\$ 860.00	\$ 5,160.00	\$ 562.00	\$ 3,372.00	\$ 569.52	\$ 3,417.12	\$ 650.00	\$ 3,900.00		\$ -
12	Stub Replacement 12" VCP	LF	5	\$ 140.00	\$ 700.00	\$ 1,100.00	\$ 5,500.00	\$ 692.00	\$ 3,460.00	\$ 684.53	\$ 3,422.65	\$ 750.00	\$ 3,750.00		\$ -
13	Wye's Replacement 8" VCP	EA	35	\$ 2,500.00	\$ 87,500.00	\$ 3,325.00	\$ 116,375.00	\$ 4,315.00	\$ 151,025.00	\$ 3,508.56	\$ 122,799.60	\$ 4,200.00	\$ 147,000.00		\$ -
14	Replacement 8" VCP Pipe	LF	515	\$ 120.00	\$ 61,800.00	\$ 204.00	\$ 105,060.00	\$ 513.00	\$ 264,195.00	\$ 455.82	\$ 234,747.30	\$ 550.00	\$ 283,250.00		\$ -
15	Replacement 10" VCP Pipe	LF	55	\$ 120.00	\$ 6,600.00	\$ 230.00	\$ 12,650.00	\$ 562.00	\$ 30,910.00	\$ 383.35	\$ 21,084.25	\$ 630.00	\$ 34,650.00		\$ -
16	Replacement 12" VCP Pipe	LF	40	\$ 120.00	\$ 4,800.00	\$ 260.00	\$ 10,400.00	\$ 692.00	\$ 27,680.00	\$ 527.11	\$ 21,084.40	\$ 740.00	\$ 29,600.00		\$ -
17	Manhole Cover and Frame	EA	2	\$ 800.00	\$ 1,600.00	\$ 2,150.00	\$ 4,300.00	\$ 2,160.00	\$ 4,320.00	\$ 2,293.68	\$ 4,587.36	\$ 2,200.00	\$ 4,400.00		\$ -
				\$ 634,015.00		\$ 672,210.00		\$ 878,370.00		\$ 879,163.92		\$ 974,650.00		\$ -	

OPTION 2				Engineers Estimate		Southwest Pipeline & Trenchless Corp		Sancon Engineering, Inc.		Repipe California LP		Insituform Technologies, LLC		Christensen Brothers General Engineering, Inc.	
Item	Description	Unit	Qty.	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Cleaning of Pipes and Manholes	LS	1	\$ 4,000.00	\$ 4,000.00	\$ 7,000.00	\$ 7,000.00	\$ 5,200.00	\$ 5,200.00	\$ 10,928.00	\$ 10,928.00	\$ 15,120.00	\$ 15,120.00	\$ -	\$ -
2	Pre and Post CCTV Inspection	LS	1	\$ 6,000.00	\$ 6,000.00	\$ 9,500.00	\$ 9,500.00	\$ 5,200.00	\$ 5,200.00	\$ 2,700.00	\$ 2,700.00	\$ 6,500.00	\$ 6,500.00	\$ -	\$ -
3	Traffic Control and Safety	LS	1	\$ 12,000.00	\$ 12,000.00	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,080.00	\$ 1,080.00	\$ 35,500.00	\$ 35,500.00	\$ -	\$ -
4	Sewer Bypassing and Dewatering	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 540.00	\$ 540.00	\$ 38,300.00	\$ 38,300.00	\$ -	\$ -
5	Install Manhole	EA	2	\$ 12,000.00	\$ 24,000.00	\$ 10,150.00	\$ 20,300.00	\$ 8,295.00	\$ 16,590.00	\$ 10,800.00	\$ 21,600.00	\$ 9,700.00	\$ 19,400.00	\$ -	\$ -
6	Installation of 8" CIPP Liner	LF	8375	\$ 35.00	\$ 293,125.00	\$ 23.00	\$ 192,625.00	\$ 25.00	\$ 209,375.00	\$ 26.50	\$ 221,937.50	\$ 24.60	\$ 206,025.00	\$ -	\$ -
7	Installation of 10" CIPP Liner	LF	990	\$ 35.00	\$ 34,650.00	\$ 28.00	\$ 27,720.00	\$ 34.90	\$ 34,551.00	\$ 30.00	\$ 29,700.00	\$ 30.00	\$ 29,700.00	\$ -	\$ -
8	Installation of 12" CIPP Liner	LF	960	\$ 35.00	\$ 33,600.00	\$ 39.00	\$ 37,440.00	\$ 33.90	\$ 32,544.00	\$ 45.00	\$ 43,200.00	\$ 36.50	\$ 35,040.00	\$ -	\$ -
9	Reconnect Sewer Service Internally	EA	240	\$ 205.00	\$ 49,200.00	\$ 10.00	\$ 2,400.00	\$ 50.00	\$ 12,000.00	\$ 25.00	\$ 6,000.00	\$ 60.00	\$ 14,400.00	\$ -	\$ -
10	Wye's Replacement 8" VCP	EA	10	\$ 1,600.00	\$ 16,000.00	\$ 2,100.00	\$ 21,000.00	\$ 1,650.00	\$ 16,500.00	\$ 2,160.00	\$ 21,600.00	\$ 3,325.00	\$ 33,250.00	\$ -	\$ -
11	8" CIPP Patch Repair 2'	EA	90	\$ 600.00	\$ 54,000.00	\$ 1,150.00	\$ 103,500.00	\$ 840.00	\$ 75,600.00	\$ 864.00	\$ 77,760.00	\$ 950.00	\$ 85,500.00	\$ -	\$ -
12	8" CIPP Patch Repair 4'	EA	15	\$ 900.00	\$ 13,500.00	\$ 1,450.00	\$ 21,750.00	\$ 1,365.00	\$ 20,475.00	\$ 1,404.00	\$ 21,060.00	\$ 950.00	\$ 14,250.00	\$ -	\$ -
13	10" CIPP Patch Repair 2'	EA	6	\$ 600.00	\$ 3,600.00	\$ 1,200.00	\$ 7,200.00	\$ 890.00	\$ 5,340.00	\$ 918.00	\$ 5,508.00	\$ 950.00	\$ 5,700.00	\$ -	\$ -
14	10" CIPP Patch Repair 4'	EA	4	\$ 900.00	\$ 3,600.00	\$ 1,550.00	\$ 6,200.00	\$ 1,575.00	\$ 6,300.00	\$ 1,620.00	\$ 6,480.00	\$ 950.00	\$ 3,800.00	\$ -	\$ -
15	12" CIPP Patch Repair 2'	EA	11	\$ 600.00	\$ 6,600.00	\$ 1,250.00	\$ 13,750.00	\$ 945.00	\$ 10,395.00	\$ 1,266.50	\$ 13,931.50	\$ 950.00	\$ 10,450.00	\$ -	\$ -
16	12" CIPP Patch Repair 4'	EA	5	\$ 900.00	\$ 4,500.00	\$ 1,700.00	\$ 8,500.00	\$ 1,785.00	\$ 8,925.00	\$ 1,836.00	\$ 9,180.00	\$ 950.00	\$ 4,750.00	\$ -	\$ -
17	Remove and Replace 8" VCP Pipe	LF	224	\$ 120.00	\$ 26,880.00	\$ 430.00	\$ 96,320.00	\$ 525.00	\$ 117,600.00	\$ 453.60	\$ 101,606.40	\$ 205.00	\$ 45,920.00	\$ -	\$ -
18	Manhole Cover and Frame	EA	2	\$ 600.00	\$ 1,200.00	\$ 2,300.00	\$ 4,600.00	\$ 3,780.00	\$ 7,560.00	\$ 2,160.00	\$ 4,320.00	\$ 2,150.00	\$ 4,300.00	\$ -	\$ -
				\$ 589,455.00		\$ 584,805.00		\$ 587,155.00		\$ 599,131.40		\$ 607,905.00		\$ -	