



October 3, 2017

Mr. Bobby Morrison
Senior Project Manager
City of League City
500 W. Walker St.
League City, Texas 77573

Re: **Letter of Recommendation for 2017 Sanitary Sewer Rehabilitation Project (WW1201A / WW1801)**
Bid #17-056
City of League City
ARKK Job No. 17-026

Dear Mr. Morrison:

On September 26, 2017, four (4) bids were received for the above referenced project. This project involves the rehabilitation of the existing sanitary sewer mains located along Hobbs Rd., Butler Rd., FM 646 (TxDOT ROW), and Wisconsin Ave. in the City of League City. The following is a summary of our bid evaluation:

1. Bid Tabulation Sheet – Four (4) construction firms participated in the bidding process. The bids were checked for mathematical errors and/or bid irregularities. The bids received for the project are as follows:

<u>Bidder</u>	<u>Total Bid</u>
LAYNE INLINER, LLC	\$1,168,430.00
INSITUFORM TECHNOLOGIES, LLC	\$1,295,840.00
CRUZ TEC, INC	\$1,330,554.00
IPR SOUTH CENTRAL, LLC	\$1,808,934.50

A copy of the bid tabulation is attached.

2. Qualifications – Layne Inliner, LLC provided a List of Qualifications for this project. Layne Inliner, LLC has worked on multiple projects for the City, including the 2017 Sanitary Sewer Rehabilitation Project (WW1201A / WW1801) (completed in August, 2017). Layne Inliner, LLC has completed this work in a satisfactory manner. City staff and ARKK Engineers have been satisfied with the quality and performance on this project. Layne Inliner, LLC's personnel are familiar with the City's requirements and expectations. Layne Inliner, LLC have indicated that they have the personnel and experience to complete the work and are planning to complete the work successfully.

Layne Inliner, LLC appears to be a responsible firm that is capable of performing the specified work in a satisfactory manner. For these reasons, we recommend that the City of League City award the **2017 Sanitary Sewer Rehabilitation Project (WW1201A / WW1801)** to Layne Inliner, LLC for a total of **\$1,168,430.00**.

If you have any questions, please contact me.

Sincerely,

ARKK ENGINEERS, LLC



Madhu Kilambi, P.E.

Senior Project Manager

Cc: Mr. John Lothrop – City of League City
Mr. Jody Hooks – City of League City

ITEM NO.	ITEM DESCRIPTION	UNIT	QUAN.	LOW BIDDER							
				LAYNE INLINER, LLC		INSITUFORM TECHNOLOGIES, LLC		CRUZ TEC, INC		IPR SOUTH CENTRAL, LLC	
BASE BID ITEMS:											
1	Cured-in-place lining of 8" sanitary sewer, all depths, complete in place the sum of:	L.F.	240	\$ 70.00	\$ 16,800.00	\$ 80.00	\$ 19,200.00	\$ 23.00	\$ 5,520.00	\$ 40.00	\$ 9,600.00
2	Cured-in-place lining of 10" sanitary sewer, all depths, complete in place the sum of:	L.F.	75	\$ 75.00	\$ 5,625.00	\$ 92.00	\$ 6,900.00	\$ 65.00	\$ 4,875.00	\$ 57.00	\$ 4,275.00
3	Cured-in-place lining of 18" sanitary sewer, all depths, complete in place the sum of:	L.F.	400	\$ 58.00	\$ 23,200.00	\$ 73.00	\$ 29,200.00	\$ 85.00	\$ 34,000.00	\$ 61.00	\$ 24,400.00
4	Cured-in-place lining of 21" sanitary sewer, all depths, complete in place the sum of:	L.F.	2,020	\$ 68.00	\$ 137,360.00	\$ 96.50	\$ 194,930.00	\$ 80.00	\$ 161,600.00	\$ 88.00	\$ 177,760.00
5	Cured-in-place lining of 24" sanitary sewer, all depths, complete in place the sum of:	L.F.	4,010	\$ 92.00	\$ 368,920.00	\$ 116.00	\$ 465,160.00	\$ 119.00	\$ 477,190.00	\$ 105.00	\$ 421,050.00
6	Cured-in-place lining of 30" sanitary sewer, all depths, complete in place the sum of:	L.F.	190	\$ 250.00	\$ 47,500.00	\$ 199.00	\$ 37,810.00	\$ 185.00	\$ 35,150.00	\$ 225.00	\$ 42,750.00
7	Cured-in-place lining of 42" sanitary sewer, all depths, complete in place the sum of:	L.F.	205	\$ 400.00	\$ 82,000.00	\$ 370.00	\$ 75,850.00	\$ 280.00	\$ 57,400.00	\$ 375.00	\$ 76,875.00
8	Service reconnection (by remote), all depths, all pipe sizes, complete in place, the sum of:	EA.	2	\$ 100.00	\$ 200.00	\$ 190.00	\$ 380.00	\$ 75.00	\$ 150.00	\$ 1.00	\$ 2.00
9	Replace manhole ring and cover to grade, complete in place the sum of:	EA.	14	\$ 1,600.00	\$ 22,400.00	\$ 540.00	\$ 7,560.00	\$ 4,972.00	\$ 69,608.00	\$ 4,500.00	\$ 63,000.00
10	Manhole wall liner, 1-inch SewperCoat, complete in place the sum of:	V.F.	450	\$ 220.00	\$ 99,000.00	\$ 237.00	\$ 106,650.00	\$ 383.00	\$ 172,350.00	\$ 347.00	\$ 156,150.00
11	Manhole wall liner, 1-inch cementitious, complete in place the sum of:	V.F.	25	\$ 140.00	\$ 3,500.00	\$ 98.00	\$ 2,450.00	\$ 162.00	\$ 4,050.00	\$ 147.00	\$ 3,675.00
12	Chemical grouting by injection on existing fiberglass manhole, all depths, complete in place, the sum of:	EA.	8	\$ 6,000.00	\$ 48,000.00	\$ 650.00	\$ 5,200.00	\$ 6,272.00	\$ 50,176.00	\$ 5,650.00	\$ 45,200.00
13	Grout-fill and abandon of existing 30" diameter sanitary sewers, includes plugs at manholes, all depths, complete in place, the sum of:	L.F.	200	\$ 50.00	\$ 10,000.00	\$ 43.50	\$ 8,700.00	\$ 52.00	\$ 10,400.00	\$ 46.00	\$ 9,200.00
14	Additional cleaning (all types, including mechanical cleaning) of 8" to 12" sanitary sewer, complete in place, the sum of:	L.F.	315	\$ 20.00	\$ 6,300.00	\$ 18.50	\$ 5,827.50	\$ 12.50	\$ 3,937.50	\$ 53.00	\$ 16,695.00
15	Additional cleaning (all types, including mechanical cleaning) of 15" to 21" sanitary sewer, complete in place, the sum of:	L.F.	2,420	\$ 25.00	\$ 60,500.00	\$ 21.75	\$ 52,635.00	\$ 13.50	\$ 32,670.00	\$ 77.00	\$ 186,340.00
16	Additional cleaning (all types, including mechanical cleaning) of 24" to 30" sanitary sewer, complete in place, the sum of:	L.F.	4,200	\$ 30.00	\$ 126,000.00	\$ 39.40	\$ 165,480.00	\$ 14.50	\$ 60,900.00	\$ 100.00	\$ 420,000.00
17	Additional cleaning (all types, including mechanical cleaning) of 42" sanitary sewer, complete in place, the sum of:	L.F.	205	\$ 50.00	\$ 10,250.00	\$ 41.50	\$ 8,507.50	\$ 18.50	\$ 3,792.50	\$ 147.00	\$ 30,135.00
18	Project Sign, as per the Detail, complete in place, complete in place, the sum of:	EA.	1	\$ 1,000.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00	\$ 1,800.00	\$ 1,800.00	\$ 750.00	\$ 750.00
19	Trench safety system, incl. installation, operation & removal, all types of soil, all depths, complete in place the sum of:	L.F.	100	\$ 1.50	\$ 150.00	\$ 1.50	\$ 150.00	\$ 1.50	\$ 150.00	\$ 1.50	\$ 150.00
20	Miscellaneous allowance, as approved by Engineer:	L.S.	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
TOTAL BASE BID ITEMS:					\$ 1,118,705.00		\$ 1,244,090.00		\$ 1,235,719.00		\$ 1,738,007.00
SUPPLEMENTAL BID ITEMS:											
21	Well pointing system for point repairs, all depths, all pipe sizes, complete in place the sum of:	EA.	2	\$ 2,000.00	\$ 4,000.00	\$ 2,000.00	\$ 4,000.00	\$ 2,000.00	\$ 4,000.00	\$ 2,350.00	\$ 4,700.00
22	Installation & removal of piezometer, complete in place the sum of:	EA.	2	\$ 250.00	\$ 500.00	\$ 250.00	\$ 500.00	\$ 250.00	\$ 500.00	\$ 250.00	\$ 500.00
23	Cleaning and television inspection of existing 8" thru 12" diameter sanitary sewers, complete in place, the sum of:	L.F.	300	\$ 3.00	\$ 900.00	\$ 3.00	\$ 900.00	\$ 3.00	\$ 900.00	\$ 3.55	\$ 1,065.00
24	Cleaning and television inspection of existing 15" thru 24" diameter sanitary sewers, complete in place, the sum of:	L.F.	300	\$ 4.00	\$ 1,200.00	\$ 6.25	\$ 1,875.00	\$ 4.00	\$ 1,200.00	\$ 5.85	\$ 1,755.00
25	Cleaning and television inspection of existing 30" thru 42" diameter sanitary sewers, complete in place, the sum of:	L.F.	300	\$ 5.00	\$ 1,500.00	\$ 15.50	\$ 4,650.00	\$ 5.00	\$ 1,500.00	\$ 33.00	\$ 9,900.00
26	4"/6" service reconnections (by excavation), all depths, includes 8' of service line and cleanout at property line, complete in place the sum of:	EA.	1	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,175.00	\$ 1,175.00
27	Additional length of service line beyond the 8' of service line, all depths, complete in place the sum of:	L.F.	25	\$ 25.00	\$ 625.00	\$ 25.00	\$ 625.00	\$ 25.00	\$ 625.00	\$ 29.50	\$ 737.50
28	Point repair of 8" thru 12" sanitary sewer, all depths, complete in place, the sum of:	EA.	1	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,700.00	\$ 2,700.00	\$ 2,350.00	\$ 2,350.00
29	Extra length for point repair of 8" thru 12" sanitary sewer, all depths, complete in place, the sum of:	L.F.	20	\$ 35.00	\$ 700.00	\$ 35.00	\$ 700.00	\$ 125.00	\$ 2,500.00	\$ 41.00	\$ 820.00
30	Point repair of 15" thru 21" sanitary sewer, all depths, complete in place, the sum of:	EA.	2	\$ 3,500.00	\$ 7,000.00	\$ 3,500.00	\$ 7,000.00	\$ 4,900.00	\$ 9,800.00	\$ 4,100.00	\$ 8,200.00
31	Extra length for point repair of 15" thru 21" sanitary sewer, all depths, complete in place, the sum of:	L.F.	25	\$ 50.00	\$ 1,250.00	\$ 50.00	\$ 1,250.00	\$ 250.00	\$ 6,250.00	\$ 59.00	\$ 1,475.00
32	Point repair of 24" thru 30" sanitary sewer, all depths, complete in place, the sum of:	EA.	1	\$ 5,800.00	\$ 5,800.00	\$ 4,000.00	\$ 4,000.00	\$ 12,500.00	\$ 12,500.00	\$ 6,850.00	\$ 6,850.00
33	Extra length for point repair of 24" thru 30" sanitary sewer, all depths, complete in place, the sum of:	L.F.	25	\$ 60.00	\$ 1,500.00	\$ 60.00	\$ 1,500.00	\$ 350.00	\$ 8,750.00	\$ 71.00	\$ 1,775.00
34	Point repair of 42" sanitary sewer, all depths, complete in place, the sum of:	EA.	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 19,000.00	\$ 19,000.00	\$ 8,800.00	\$ 8,800.00
35	Extra length for point repair of 42" sanitary sewer, all depths, complete in place, the sum of:	L.F.	10	\$ 85.00	\$ 850.00	\$ 85.00	\$ 850.00	\$ 350.00	\$ 3,500.00	\$ 100.00	\$ 1,000.00
36	Obstruction removal (by remote), all depths, the sum of, complete in place the sum of:	EA.	2	\$ 800.00	\$ 1,600.00	\$ 800.00	\$ 1,600.00	\$ 800.00	\$ 1,600.00	\$ 1,420.00	\$ 2,840.00
37	Remove & replace exist. concrete pavement, complete in place the sum of:	S.Y.	50	\$ 75.00	\$ 3,750.00	\$ 75.00	\$ 3,750.00	\$ 95.00	\$ 4,750.00	\$ 88.00	\$ 4,400.00
38	Remove & replace exist. asphalt pavement, complete in place the sum of:	S.Y.	50	\$ 60.00	\$ 3,000.00	\$ 60.00	\$ 3,000.00	\$ 60.00	\$ 3,000.00	\$ 71.00	\$ 3,550.00
39	Install extra cement stabilized sand backfill, complete in place the sum of:	C.Y.	20	\$ 20.00	\$ 400.00	\$ 20.00	\$ 400.00	\$ 28.00	\$ 560.00	\$ 23.50	\$ 470.00
40	Extra concrete (all classes), complete in place the sum of:	C.Y.	20	\$ 70.00	\$ 1,400.00	\$ 70.00	\$ 1,400.00	\$ 70.00	\$ 1,400.00	\$ 82.00	\$ 1,640.00
41	Remove & replace existing concrete driveway, including reinforcement, complete in place the sum of:	S.Y.	50	\$ 55.00	\$ 2,750.00	\$ 55.00	\$ 2,750.00	\$ 95.00	\$ 4,750.00	\$ 65.00	\$ 3,250.00
42	Remove & replace existing concrete sidewalk, complete in place the sum of:	S.F.	200	\$ 8.00	\$ 1,600.00	\$ 8.00	\$ 1,600.00	\$ 12.00	\$ 2,400.00	\$ 10.00	\$ 2,000.00
43	Remove & replace existing concrete curb, complete in place the sum of:	L.F.	25	\$ 8.00	\$ 200.00	\$ 8.00	\$ 200.00	\$ 18.00	\$ 450.00	\$ 10.00	\$ 250.00
44	Brace, support, and protect power poles and utility structures, complete in place, the sum of:	EA.	1	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,425.00	\$ 1,425.00
TOTAL SUPPLEMENTAL BID ITEMS:					\$ 49,725.00		\$ 51,750.00		\$ 94,835.00		\$ 70,927.50
TOTAL BASE BID ITEMS:					\$ 1,118,705.00		\$ 1,244,090.00		\$ 1,235,719.00		\$ 1,738,007.00
TOTAL SUPPLEMENTAL ITEMS:					\$ 49,725.00		\$ 51,750.00		\$ 94,835.00		\$ 70,927.50
TOTAL BASE BID & SUPPLEMENTAL ITEMS:					\$ 1,168,430.00		\$ 1,295,840.00		\$ 1,330,554.00		\$ 1,808,934.50
RECOMMENDATION: TOTAL BASE BID + SUPPLEMENTAL:					\$ 1,168,430.00		\$ 1,295,840.00		\$ 1,330,554.00		\$ 1,808,934.50
MATHEMATICAL ERROR CORRECTED BY ENGINEER											