



**Water & Wastewater Commission  
Review and Recommendation**

<b>Commission Meeting Date:</b>	November 8, 2017
<b>Council Meeting Date:</b>	December 14, 2017
<b>Department:</b>	Public Works
<b>Client:</b>	Michael Russ and Chris Chen
<b>Agenda Item</b>	
<p>Authorize award and execution of a construction contract with <b>Insituform Technologies, LLC</b> for In Situ Wastewater Pipeline Renewal Group B in the amount of \$2,467,000 plus a \$246,700 contingency, for a total contract amount not to exceed \$2,713,700. (Districts 1, 3, 4, 5, 7, 9, 10)</p>	
<b>Amount and Source of Funding</b>	
Funding is available in the Fiscal Year 2017-2018 Capital Budget of Austin Water.	
<b>Purchasing Language:</b>	Lowest responsive bid of four bids received through a competitive Invitation for Bid solicitation.
<b>Prior Council Action:</b>	N/A
<b>Boards and Commission Action:</b>	November 8, 2017- To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	This contract will be awarded in compliance with City Code Chapter 2-9A Minority Owned and Women Owned Business Enterprise Procurement Program by meeting the goals with 6.06% MBE and 0.73% WBE.

As part of the operation and maintenance of the wastewater collection system, this project will rehabilitate approximately 9,300 linear feet of deteriorated wastewater pipe within several wastewater basins, i.e. Lower Boggy, Lower Waller, Upper Fort, Williamson, West Bouldin, West Bull, Upper Tannehill, Barton, Buttermilk, Little Walnut, and Walnut. The pipelines identified as part of this project were based on a ranking system of deteriorated pipes requiring action to extend the useful life of the system.

The Cured in Place Pipe (CIPP) method will be employed to rehabilitate the pipelines. This trenchless method is approximately one-third of the cost of the traditional open-cut method and will lessen the impact to area residents and roadway users. The work within this project will be located at 16 sites throughout Austin.

This item includes three allowances. The allowance of \$50,000 will be used to address the traffic control and roadway repair at a location on Barton Springs Road. The allowance of \$200,000 will be used to address site restoration for all locations. The allowance of \$25,000 will be used to address the tree trimming and pruning to provide overhead clearance for the equipment access. An allowance is an amount that is specified and included in the construction contract and specifications for certain items of work whose details are not yet determined at the time of bidding.

Since this project is based on trenchless technologies, the impact to the residents will be minimal compared to the traditional construction methods. An outreach event for area residents will be held prior to construction. A delay executing this contract would prolong the use of aged lines and could result in the failure of the pipe segments included in the scope.

Due to the potential for previously unidentified underground conditions a 10% contingency in funding has been included to allow for the expeditious processing of any change orders. A contingency is an additional amount of money added to the construction budget to cover any unforeseen construction costs associated with the project.

The contract allows 180 working days for substantial completion and 210 working days for final completion of this project. This project is located within zip codes 78702, 78704, 78705, 78722, 78723, 78745, 78750, 78751, 78752, 78758, and 78759 (Districts 1, 3, 4, 5, 7, 9, and 10). The project will be managed by the Public Works Department

Insituform Technologies, LLC is located in San Marcos, Texas.

### **M/WBE Summary**

Public notice was given for this solicitation CLMC676 In Situ Wastewater Pipeline Renewal Group B through the City's Vendor Connection web portal, which resulted in 4 contractors receiving notification and 4 contractors obtaining the bid documents. Four bids were received and opened on September 28<sup>th</sup>, 2017.

Of the four bids received none of the firms submitting were certified MBE/WBE. Insituform Technologies, LLC submitted the lowest responsive bid of four bids received including allowances of \$275,000:

	<u>Base Bid</u>	<u>Base Bid + Allowances</u>
Insituform Technologies, LLC, San Marcos, TX,	\$2,192,000	\$2,467,000

Layne Inliner, LLC, Baytown, TX,	\$2,664,000	\$2,939,000
IPR South Central LLC, Pasadena, TX	\$2,792,000	\$3,067,000
Cruz Tec, Inc, Houston, TX	Non-responsive	

The contractor's choice of work methodology provides for seven areas of subcontracting opportunities which are listed below. Participation subgoals stated in the solicitation were 0.53% African American; 4.81% Hispanic; 0.39% Native/Asian; 0.65% WBE. Total participation estimated on base bid amount of \$2,192,000:

<b>NON M/WBE TOTAL – PRIME</b>	<b>\$1,748,000</b>	<b>79.75%</b>
Insituform Technologies, LLC, San Marcos, TX	\$1,748,000	79.75%
<b>MBE TOTAL – SUBCONTRACTORS</b>	<b>\$133,000</b>	<b>6.06%</b>
<b>African American Subtotal</b>	<b>\$13,000</b>	<b>0.59%</b>
JTE Company, LLC, Pflugerville, TX (traffic barricades)	\$13,000	0.59%
<b>Hispanic Subtotal</b>	<b>\$110,000</b>	<b>5.02%</b>
Environmental Safety Services Inc., Austin, TX (erosion control)	\$110,000	5.02%
<b>Native/Asian Subtotal</b>	<b>\$10,000</b>	<b>0.45%</b>
Rama Tiru, Austin, TX (Construction Photography)	\$10,000	0.45%
<b>WBE TOTAL – SUBCONTRACTORS</b>	<b>\$16,000</b>	<b>0.73%</b>
Lewis Concrete Restoration, Buda, TX (Construction, water system, main and service line)	\$16,000	0.73%
<b>NON M/WBE TOTAL – SUBCONTRACTORS</b>	<b>\$295,000</b>	<b>13.46%</b>
Cleanserv, LLC, Pearland, TX (Pipe Cleaning and Video)	\$60,000	2.74%
Maverick Pump Services, Littleton, CO (Bypass Pumping)	\$150,000	6.84%
N-Line Highway Safety, Georgetown, TX (Traffic Barricades)	\$85,000	3.88%

The Contractor submitted a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department. Second and third low bidder information is provided.

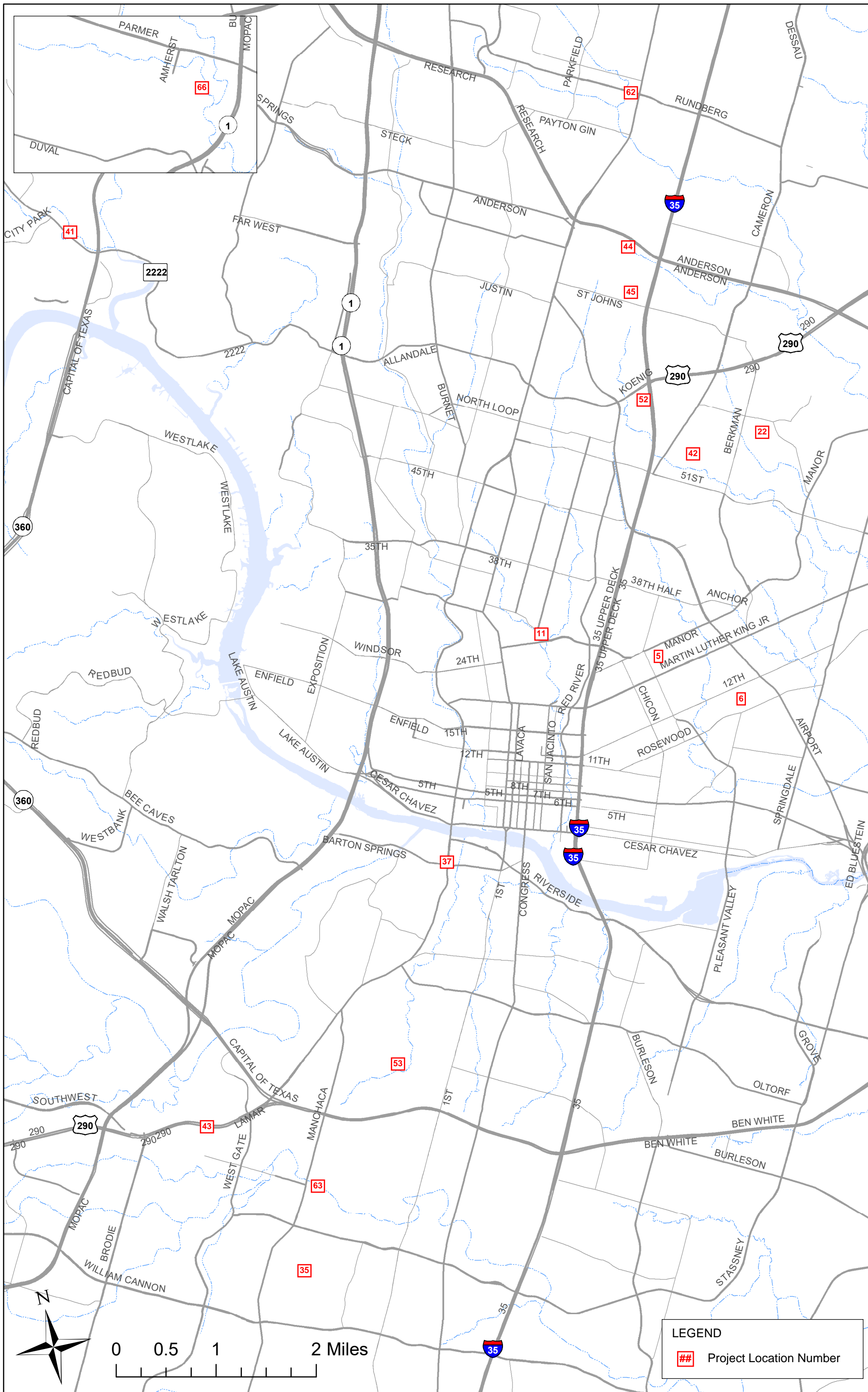
**SECOND BIDDER – Layne Inliner, LLC., Baytown Texas** **\$2,939,000**

81.80% NON M/WBE prime participation; 1.50% African American; 15.00% Hispanic; 0.94% Native/Asian; 0.76% WBE; 0% Non M/WBE subcontractor participation.

**THIRD BIDDER – IPR South Central, LLC, Pasadena, TX,** **\$3,067,000**

92.62% NON M/WBE prime participation; 1.00% African American; 5.01% Hispanic; 0.44% Native/Asian; 0.93% WBE; 0% Non M/WBE subcontractor participation

# In Situ Wastewater Pipeline Renewal Group B - 2231.306



# CERTIFIED

<b>CITY OF AUSTIN</b>  <b>BID TABULATION</b>	PROJECT SPONSOR: AWU BID CERTIFICATION & CONTRACT REP: MARYLOU OCHOA  PROJECT MANAGER: WILLIAM POWER  PROJECT CONSULTANTS: PWD/ENGINEERING SERVICES  DURATION: 210 CAL. DAYS	BID OPENING DATE: 9/28/2017 TIME: 2:30P  LOCATION: 505 BARTON SPRINGS RD. SUITE 1045C  PRICE EXPIRATION: 120 CAL. DAYS \$2,310 LIQUIDATED DAMAGES: P/WORKING DAY
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PROJECT: IN SITU WASTEWATER PIPELINE RENEWAL GROUP B BID INVITATION NO: CLMC676 PROJECT NUMBER(S): 4570 2307 4894	SUB ID# 2231.306 RESPONSES: 4 ESTIMATE: \$2,421,173.00
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BIDDER(S):	INSITUFORM TECHNOLOGIES, LLC	CRUZ TEC INC.	LAYNE INLINER, LLC	IPR SOUTH CENTRAL, LLC
LOCATION:	CHESTERFIELD, MO	NON-RESPONSIVE	BAYTOWN, TX	PASADENA, TX
GUARANTEE: BB-Bid Bond CC-Cashiers Check CTC-Cert. Chk.	BB		BB	BB
ADDENDA ACKNOWLEDGED	2		2	2

BID ITEM	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SS5101-5	1	LS	LOCATION 5: CURED-IN-PLACE PIPE LINING, CONCRETE, 241 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 62023 TO MANHOLE 62025.	\$ 50,000.00	\$ 50,000.00			\$ 47,000.00	\$ 47,000.00	\$ 50,500.00	\$ 50,500.00
SS5101-6	1	LS	LOCATION 6: CURED-IN-PLACE PIPE LINING, CONCRETE, 524 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 62192 TO MANHOLE 62977	\$ 80,000.00	\$ 80,000.00			\$ 95,000.00	\$ 95,000.00	\$ 88,000.00	\$ 88,000.00
SS5101-11	1	LS	LOCATION 11: CURED-IN-PLACE PIPE LINING, CONCRETE, 259 LINEAR FEET OF 24 INCH DIAMETER MAIN FROM MANHOLE 255399 TO MANHOLE 50901.	\$ 155,000.00	\$ 155,000.00			\$ 220,000.00	\$ 220,000.00	\$ 141,000.00	\$ 141,000.00
SS5101-22	1	LS	LOCATION 22: CURED-IN-PLACE PIPE LINING, CONCRETE, 118 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 64468 TO MANHOLE 64469	\$ 36,000.00	\$ 36,000.00			\$ 33,000.00	\$ 33,000.00	\$ 48,500.00	\$ 48,500.00

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BID ITEM	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SS5101-35	1	LS	LOCATION 35: CURED-IN-PLACE PIPE LINING, CONCRETE, 1,164 LINEAR FEET OF 12-INCH DIAMETER MAIN FROM MANHOLE 109177 TO MANHOLE 13383.	\$ 165,000.00	\$ 165,000.00			\$ 188,000.00	\$ 188,000.00	\$ 145,000.00	\$ 145,000.00
SS5101-37	1	LS	LOCATION 37: CURED-IN-PLACE PIPE LINING, VC, 376 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 28618 TO MANHOLE 28616;VC, 86 LINEAR FEET OF 12-INCH DIAMETER MAIN FROM MANHOLE 28616 TO MANHOLE 103454.	\$ 40,000.00	\$ 40,000.00			\$ 90,000.00	\$ 90,000.00	\$ 78,500.00	\$ 78,500.00
SS5101-41	1	LS	LOCATION 41: CURED-IN-PLACE PIPE LINING, CONCRETE, 1,339 LINEAR FEET OF 48-INCH DIAMETER MAIN FROM MANHOLE 20895.	\$ 700,000.00	\$ 700,000.00			\$ 750,000.00	\$ 750,000.00	\$ 810,000.00	\$ 810,000.00
SS5101-42	1	LS	LOCATION 42: CURED-IN-PLACE PIPE LINING, CONCRETE, 416 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 64622 TO MANHOLE 64625	\$ 50,000.00	\$ 50,000.00			\$ 46,000.00	\$ 46,000.00	\$ 104,000.00	\$ 104,000.00
SS5101-43	1	LS	LOCATION 43: CURED-IN-PLACE PIPE LINING, PVC, 321 LINEAR FEET OF 12-INCH DIAMETER MAIN FROM MANHOLE 106920 TO MANHOLE 8441	\$ 70,000.00	\$ 70,000.00			\$ 68,000.00	\$ 68,000.00	\$ 151,500.00	\$ 151,500.00
SS5101-44	1	LS	LOCATION 44: CURED-IN-PLACE PIPE LINING, CONCRETE, 419 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 66622 TO MANHOLE 255755.	\$ 30,000.00	\$ 30,000.00			\$ 30,000.00	\$ 30,000.00	\$ 55,500.00	\$ 55,500.00
SS5101-45	1	LS	LOCATION 45: CURED-IN-PLACE PIPE LINING, CONCRETE, 280 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 66637 TO MANHOLE 66792	\$ 35,000.00	\$ 35,000.00			\$ 35,000.00	\$ 35,000.00	\$ 54,000.00	\$ 54,000.00
SS5101-52	1	LS	LOCATION 52: CURED-IN-PLACE PIPE LINING, CONCRETE, 335 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 64938 TO MANHOLE 65276.	\$ 36,000.00	\$ 36,000.00			\$ 35,000.00	\$ 35,000.00	\$ 84,000.00	\$ 84,000.00
SS5101-53	1	LS	LOCATION 53: CURED-IN-PLACE PIPE LINING, CONCRETE, 290 LINEAR FEET OF 12-INCH DIAMETER MAIN FROM MANHOLE 234389 TO MANHOLE 15600.	\$ 60,000.00	\$ 60,000.00			\$ 80,000.00	\$ 80,000.00	\$ 126,000.00	\$ 126,000.00

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BIDDER(S):				INSITUFORM TECHNOLOGIES, LLC		CRUZ TEC INC.		LAYNE INLINER, LLC		IPR SOUTH CENTRAL, LLC	
BID ITEM	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SS5101-62	1	LS	LOCATION 62: CURED-IN-PLACE PIPE LINING, CONCRETE, 152 LINEAR FEET OF 8-INCH DIAMETER MAIN FROM MANHOLE 67496 TO MANHOLE 67497.	\$ 40,000.00	\$ 40,000.00			\$ 37,000.00	\$ 37,000.00	\$ 85,500.00	\$ 85,500.00
SS5101-63	1	LS	LOCATION 63: CURED-IN-PLACE PIPE LINING, CONCRETE, 950 LINEAR FEET OF 42-INCH DIAMETER MAIN NEAR MANHOLE 14989 TO PROPOSED MANHOLE NEAR MANHOLE 14591.	\$ 460,000.00	\$ 460,000.00			\$ 700,000.00	\$ 700,000.00	\$ 515,000.00	\$ 515,000.00
SS5101-66	1	LS	LOCATION 66: CURED -IN-PLACE PIPE LINING, AC PIPE, 1,997 LINEAR FEET OF 12-INCH DIAMETER MAIN FROM MANHOLE 70433 TO MANHOLE 86114.	\$ 185,000.00	\$ 185,000.00			\$ 210,000.00	\$ 210,000.00	\$ 255,000.00	\$ 255,000.00
<b>BASE BID</b>					\$ 2,192,000.00				\$ 2,664,000.00		\$ 2,792,000.00
<b>ALLOWANCES</b>											
ALLOWANCE #1: \$50,000 FOR TRAFFIC CONTROL AND ROADWAY REPAIR FOR LOCATION 37 - BARTON SPRINGS					\$ 50,000.00				\$ 50,000.00		\$ 50,000.00
ALLOWANCE #2: \$200,000 FOR SITE RESTORATION FOR ALL LOCATIONS					\$ 200,000.00				\$ 200,000.00		\$ 200,000.00
ALLOWANCE #3: \$25,000 FOR TREE TRIMMING AND					\$ 25,000.00				\$ 25,000.00		\$ 25,000.00
<b>SUBTOTAL ALLOWANCES:</b>					\$ 275,000.00				\$ 275,000.00		\$ 275,000.00
<b>TOTAL BID (INCLUDES BASE BID PLUS ALLOWANCES):</b>					\$ 2,467,000.00				\$ 2,939,000.00		\$ 3,067,000.00

TRUE COPY OF BID TABULATION AS RECEIVED OR  
CORRECTED IN ACCORDANCE WITH CONDITIONS  
GOVERNING PROPOSALS.

M.O.  
CAPITAL CONTRACTING OFFICE  
CONTRACT PROCUREMENT DIVISION  
CITY OF AUSTIN, TX

10/18/17  
DATE