



**TABULATION OF BIDS**  
2019 Sanitary Sewer Rehabilitation  
Full Length & Sectional CIPP Lining  
AEW PROJECT NO. 0249-0163

DATE: 4/10/2019  
TIME: 2:30 PM

Prepared by: Anderson, Eckstein and Westrick, Inc.  
51301 Schoenherr Road  
Shelby Township, MI 48315

**VENDOR RANKING**

<i>RANK</i>	<i>VENDOR NAME</i>	<i>FCIPP Total</i>	<i>SCIPP Total</i>	<i>BID TOTAL</i>
1	Insituform Technologies USA, LLC	\$ 645,481.50	\$ 46,417.00	\$ 691,898.50
2	Lanzo Trenchless Technologies Inc. North	\$ 649,200.00	\$ 61,960.00	\$ 711,160.00
3	Inland Waters Pollution Control, Inc.	\$ 699,280.00	\$ 48,607.50	\$ 747,887.50
4	LiquiForce Services (USA) Inc. DBA Granite Inliner	\$ 719,630.00	\$ 57,370.00	\$ 777,000.00
5	Insight Pipe Contracting, LLC	\$ 827,925.00	\$ 58,000.00	\$ 885,925.00



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AEW PROJECT NO. 0249-0163

Insituform Technologies USA, LLC  
17988 Edison Avenue  
Chesterfield, MO 63005

Lanzo Trenchless Technologies Inc. North  
28137 Groesbeck Highway  
Roseville, MI 48066

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
Base BID - FCIPP							
1.	Bonds, Insurance & Initial Set-Up Expense (3% Max.)	1	LS	9,484.60	9,484.60	21,000.00	21,000.00
2.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 10 inch	250	LF	3.70	925.00	5.00	1,250.00
3.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 12 inch	2,250	LF	3.70	8,325.00	5.50	12,375.00
4.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 15 inch	4,650	LF	4.20	19,530.00	6.00	27,900.00
5.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 18 inch	1,300	LF	4.20	5,460.00	6.50	8,450.00
6.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 21 inch	2,500	LF	5.30	13,250.00	7.00	17,500.00
7.	CIPP Lining, 10 inch	250	LF	29.40	7,350.00	32.00	8,000.00
8.	CIPP Lining, 12 inch	2,250	LF	27.10	60,975.00	34.00	76,500.00
9.	CIPP Lining, 15 inch	4,650	LF	40.20	186,930.00	39.00	181,350.00
10.	CIPP Lining, 18 inch	1,300	LF	56.30	73,190.00	52.00	67,600.00
11.	CIPP Lining, 21 inch	2,500	LF	77.30	193,250.00	65.00	162,500.00
12.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 10 inch	250	LF	1.10	275.00	1.50	375.00
13.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 12 inch	2,250	LF	1.10	2,475.00	1.50	3,375.00
14.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 15 inch	4,650	LF	1.10	5,115.00	1.50	6,975.00
15.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 18 inch	1,300	LF	1.10	1,430.00	1.50	1,950.00
16.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 21 inch	2,500	LF	1.10	2,750.00	1.50	3,750.00
17.	Mineral Deposit, Rem	100	EA	158.70	15,870.00	90.00	9,000.00
18.	Cut Service Lead Protrusion	10	EA	158.70	1,587.00	100.00	1,000.00
19.	Sanitary Lateral, Preparation	10	EA	105.80	1,058.00	480.00	4,800.00



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Insituform Technologies USA, LLC  
17988 Edison Avenue  
Chesterfield, MO 63005

Lanzo Trenchless Technologies Inc. North  
28137 Groesbeck Highway  
Roseville, MI 48066

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
20.	Sanitary Lateral, Reinstate	125	EA	100.00	12,500.00	126.00	15,750.00
21.	Traffic Maintenance and Control - Major Roads	1	LS	10,578.40	10,578.40	4,000.00	4,000.00
22.	Traffic Maintenance and Control - Minor Roads	1	LS	2,644.60	2,644.60	1,800.00	1,800.00
23.	Open Cut Point Repair (Est. Cost to Contractor)	1	Dlr	10,000.00	10,000.00	10,000.00	10,000.00
24.	Deliverables	1	LS	528.90	528.90	2,000.00	2,000.00
<b>FCIPP Total:</b>					<b>645,481.50</b>		<b>649,200.00</b>
<b>Base BID - SCIPP</b>							
1.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 8 inch	70	LF	3.20	224.00	5.50	385.00
2.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 10 inch	1,680	LF	3.20	5,376.00	6.00	10,080.00
3.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 12 inch	700	LF	3.20	2,240.00	6.50	4,550.00
4.	Sectional CIPP Lining, 8 inch, Sectional 3 foot	1	EA	2,962.00	2,962.00	3,650.00	3,650.00
5.	Sectional CIPP Lining, 10 inch, Sectional 3 foot	4	EA	2,962.00	11,848.00	3,700.00	14,800.00
6.	Sectional CIPP Lining, 10 inch, Sectional 6 foot	1	EA	3,385.10	3,385.10	4,250.00	4,250.00
7.	Sectional CIPP Lining, 10 inch, Sectional 10 foot	1	EA	3,808.20	3,808.20	4,750.00	4,750.00
8.	Sectional CIPP Lining, 12 inch, Sectional 3 foot	1	EA	3,385.10	3,385.10	4,250.00	4,250.00
9.	Sectional CIPP Lining, 12 inch, Sectional 6 foot	2	EA	3,808.20	7,616.40	4,750.00	9,500.00
10.	Sectional CIPP Lining, 15 inch, Sectional 3 foot	1	EA	3,808.20	3,808.20	4,800.00	4,800.00
11.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 8 inch	30	LF	3.20	96.00	1.50	45.00
12.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 10 inch	325	LF	3.20	1,040.00	1.50	487.50
13.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 12 inch	165	LF	3.20	528.00	1.50	247.50
14.	Sanitary Lateral, Reinstate	1	EA	100.00	100.00	165.00	165.00
<b>SCIPP Total</b>					<b>46,417.00</b>		<b>61,960.00</b>
<b>GRAND TOTAL (FCIPP + SCIPP)</b>				<b>\$</b>	<b>691,898.50</b>	<b>\$</b>	<b>711,160.00</b>



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Macomb Township

2019 Sanitary Sewer Rehabilitation  
Full Length & Sectional CIPP Lining  
AEW PROJECT NO. 0249-0163

Inland Waters Pollution Control, Inc.  
4086 Michigan Ave  
Detroit, MI 48210

LiquiForce Services (USA) Inc.  
DBA Granite Inliner  
28529 Goddard Rd Ste 106  
Romulus, MI 4817

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
Base BID - FCIPP							
1.	Bonds, Insurance & Initial Set-Up Expense (3% Max.)	1	LS	18,000.00	18,000.00	15,120.00	15,120.00
2.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 10 inch	250	LF	6.25	1,562.50	15.00	3,750.00
3.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 12 inch	2,250	LF	6.25	14,062.50	15.00	33,750.00
4.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 15 inch	4,650	LF	7.00	32,550.00	15.00	69,750.00
5.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 18 inch	1,300	LF	8.00	10,400.00	15.00	19,500.00
6.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 21 inch	2,500	LF	9.00	22,500.00	15.00	37,500.00
7.	CIPP Lining, 10 inch	250	LF	37.00	9,250.00	28.00	7,000.00
8.	CIPP Lining, 12 inch	2,250	LF	39.00	87,750.00	32.00	72,000.00
9.	CIPP Lining, 15 inch	4,650	LF	46.00	213,900.00	38.00	176,700.00
10.	CIPP Lining, 18 inch	1,300	LF	53.00	68,900.00	45.00	58,500.00
11.	CIPP Lining, 21 inch	2,500	LF	60.50	151,250.00	55.00	137,500.00
12.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 10 inch	250	LF	1.00	250.00	1.00	250.00
13.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 12 inch	2,250	LF	1.00	2,250.00	1.00	2,250.00
14.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 15 inch	4,650	LF	1.00	4,650.00	1.00	4,650.00
15.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 18 inch	1,300	LF	1.00	1,300.00	1.00	1,300.00
16.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 21 inch	2,500	LF	1.00	2,500.00	1.00	2,500.00
17.	Mineral Deposit, Rem	100	EA	75.00	7,500.00	1.00	100.00
18.	Cut Service Lead Protrusion	10	EA	125.00	1,250.00	1.00	10.00
19.	Sanitary Lateral, Preparation	10	EA	575.00	5,750.00	150.00	1,500.00



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Inland Waters Pollution Control, Inc.  
 4086 Michigan Ave  
 Detroit, MI 48210

LiquiForce Services (USA) Inc.  
 DBA Granite Inliner  
 28529 Goddard Rd Ste 106  
 Romulus, MI 4817

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
20.	Sanitary Lateral, Reinstall	125	EA	145.00	18,125.00	200.00	25,000.00
21.	Traffic Maintenance and Control - Major Roads	1	LS	11,500.00	11,500.00	35,000.00	35,000.00
22.	Traffic Maintenance and Control - Minor Roads	1	LS	3,500.00	3,500.00	5,000.00	5,000.00
23.	Open Cut Point Repair (Est. Cost to Contractor)	1	Dlr	10,000.00	10,000.00	10,000.00	10,000.00
24.	Deliverables	1	LS	580.00	580.00	1,000.00	1,000.00
<b>FCIPP Total:</b>					<b>699,280.00</b>		<b>719,630.00</b>
<b>Base BID - SCIPP</b>							
1.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 8 inch	70	LF	5.75	402.50	15.00	1,050.00
2.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 10 inch	1,680	LF	5.75	9,660.00	15.00	25,200.00
3.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 12 inch	700	LF	5.75	4,025.00	15.00	10,500.00
4.	Sectional CIPP Lining, 8 inch, Sectional 3 foot	1	EA	2,600.00	2,600.00	1,100.00	1,100.00
5.	Sectional CIPP Lining, 10 inch, Sectional 3 foot	4	EA	2,800.00	11,200.00	1,500.00	6,000.00
6.	Sectional CIPP Lining, 10 inch, Sectional 6 foot	1	EA	3,200.00	3,200.00	1,750.00	1,750.00
7.	Sectional CIPP Lining, 10 inch, Sectional 10 foot	1	EA	3,500.00	3,500.00	2,000.00	2,000.00
8.	Sectional CIPP Lining, 12 inch, Sectional 3 foot	1	EA	2,800.00	2,800.00	2,000.00	2,000.00
9.	Sectional CIPP Lining, 12 inch, Sectional 6 foot	2	EA	3,500.00	7,000.00	2,250.00	4,500.00
10.	Sectional CIPP Lining, 15 inch, Sectional 3 foot	1	EA	3,200.00	3,200.00	2,250.00	2,250.00
11.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 8 inch	30	LF	1.00	30.00	1.00	30.00
12.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 10 inch	325	LF	1.00	325.00	1.00	325.00
13.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 12 inch	165	LF	1.00	165.00	1.00	165.00
14.	Sanitary Lateral, Reinstall	1	EA	500.00	500.00	500.00	500.00
<b>SCIPP Total</b>					<b>48,607.50</b>		<b>57,370.00</b>
<b>GRAND TOTAL (FCIPP + SCIPP)</b>				<b>\$</b>	<b>747,887.50</b>	<b>\$</b>	<b>777,000.00</b>



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Macomb Township

2019 Sanitary Sewer Rehabilitation  
 Full Length & Sectional CIPP Lining  
 AEW PROJECT NO. 0249-0163

Insight Pipe Contracting, LLC  
 232 E. Lancaster Road  
 Harmony, PA 16037

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount
Base BID - FCIPP					
1.	Bonds, Insurance & Initial Set-Up Expense (3% Max.)	1	LS	20,000.00	20,000.00
2.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 10 inch	250	LF	5.00	1,250.00
3.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 12 inch	2,250	LF	5.00	11,250.00
4.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 15 inch	4,650	LF	10.00	46,500.00
5.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 18 inch	1,300	LF	10.00	13,000.00
6.	Sanitary Sewer, Pre-Construction, Clean and CCTV, FCIPP, 21 inch	2,500	LF	10.00	25,000.00
7.	CIPP Lining, 10 inch	250	LF	34.00	8,500.00
8.	CIPP Lining, 12 inch	2,250	LF	34.00	76,500.00
9.	CIPP Lining, 15 inch	4,650	LF	49.00	227,850.00
10.	CIPP Lining, 18 inch	1,300	LF	63.00	81,900.00
11.	CIPP Lining, 21 inch	2,500	LF	97.00	242,500.00
12.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 10 inch	250	LF	1.00	250.00
13.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 12 inch	2,250	LF	1.00	2,250.00
14.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 15 inch	4,650	LF	2.00	9,300.00
15.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 18 inch	1,300	LF	2.00	2,600.00
16.	Sanitary Sewer, Post-Construction, CCTV, FCIPP, 21 inch	2,500	LF	2.00	5,000.00
17.	Mineral Deposit, Rem	100	EA	150.00	15,000.00
18.	Cut Service Lead Protrusion	10	EA	595.00	5,950.00
19.	Sanitary Lateral, Preparation	10	EA	595.00	5,950.00



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Insight Pipe Contracting, LLC  
 232 E. Lancaster Road  
 Harmony, PA 16037

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount
20.	Sanitary Lateral, Reinstate	125	EA	75.00	9,375.00
21.	Traffic Maintenance and Control - Major Roads	1	LS	5,000.00	5,000.00
22.	Traffic Maintenance and Control - Minor Roads	1	LS	1,000.00	1,000.00
23.	Open Cut Point Repair (Est. Cost to Contractor)	1	Dlr	10,000.00	10,000.00
24.	Deliverables	1	LS	2,000.00	2,000.00
<b>FCIPP Total:</b>					<b>827,925.00</b>
Base BID - SCIPP					
1.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 8 inch	70	LF	5.00	350.00
2.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 10 inch	1,680	LF	5.00	8,400.00
3.	Sanitary Sewer, Pre-Construction, Clean and CCTV, SCIPP, 12 inch	700	LF	5.00	3,500.00
4.	Sectional CIPP Lining, 8 inch, Sectional 3 foot	1	EA	3,200.00	3,200.00
5.	Sectional CIPP Lining, 10 inch, Sectional 3 foot	4	EA	3,400.00	13,600.00
6.	Sectional CIPP Lining, 10 inch, Sectional 6 foot	1	EA	3,000.00	3,000.00
7.	Sectional CIPP Lining, 10 inch, Sectional 10 foot	1	EA	3,200.00	3,200.00
8.	Sectional CIPP Lining, 12 inch, Sectional 3 foot	1	EA	5,400.00	5,400.00
9.	Sectional CIPP Lining, 12 inch, Sectional 6 foot	2	EA	4,900.00	9,800.00
10.	Sectional CIPP Lining, 15 inch, Sectional 3 foot	1	EA	4,700.00	4,700.00
11.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 8 inch	30	LF	5.00	150.00
12.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 10 inch	325	LF	5.00	1,625.00
13.	Sanitary Sewer, Post Construction, CCTV, SCIPP, 12 inch	165	LF	5.00	825.00
14.	Sanitary Lateral, Reinstate	1	EA	250.00	250.00
<b>SCIPP Total</b>					<b>58,000.00</b>
<b>GRAND TOTAL (FCIPP + SCIPP)</b>				<b>\$</b>	<b>885,925.00</b>