



PROPOSED CHANGE ORDER REQUEST

Department of Watershed Management

Contract Name: Trenchless Sewer Line Rehabilitation and Construction and Televising Inspection Services City of Savannah Cooperative Agreement Date: 4/4/2022

Contractor: Insituform Technologies

Contract Number: 1177081 Contract Amendment Number: 5

Contract Amendment Category: Cost Schedule Scope Deliverables

Original Contract \$ Amount:	Contract Start Date:	Original Contract Time:(TERM)	Original Contract End Date:
\$15,681,161.35	10/10/2019	448	12/31/2020

NTP Start Date:	Original Performance Days:(TIME)	Original Performance End Date:
10/10/2019	448	12/31/2020

Previous Change Order:	Previous Time Extensions (Days):	Previous Changes to \$ Amount:
Change Order No. 1:	0	\$437,591.60
Change Order No. 2:	273	\$0.00
Change Order No. 3:	0	\$14,674,232.75
Change Order No. 4:	273	\$0.00

Current Contract Amount:	Current Performance Time (Days):	Current Performance End Date:	Current Contract End Date:
\$30,792,985.70	994	6/30/2022	6/30/2022

Description of Proposed Changes: Amendment/Change Order No.5 is being proposed in order to provide DWM the ability to complete additional and important infrastructure upgrades including large diameter CIPP - sanitary sewer lining work for Buford, Flat Shoals and Melinda areas and 100,000 LF of miscellaneous small diameter CIPP. The large diameter CIPP work is an outcome of the PASARP and OSARP condition assessment work. The CIPP approach completely renews existing sewers with a new pipe constructed inside the old worn out pipe. Construction disruption is lower than traditional excavation approaches. Insituform's pricing is competitive. However, with the current market, the vendor is also requesting a 20% cost escalation due to the increase in cost of resin for the CIPP. They are also requesting a 15% increase on work started in September of 2021.

Justification of Proposed Changes: This change order will be utilized to provide the ability to continue progress to the implementation of the Consent Decree for the large diameter sanitary sewer CIPP and address immediate deficiencies in the water delivery to southern portions of DeKalb County. The contract is also eligible for GEFA or WIFIA funding as well.

Proposed Additional Performance Days:	Proposed Cumulative Performance Days:	Proposed Performance End Date:	Proposed Contract End Date:
910	1904	12/26/2024	12/31/2024
Proposed Changes to Dollar Amount:	Proposed Cumulative Contract Amount:	Amount Spent To Date as of (4/4/22):	
\$29,190,530.39	\$59,995,473.54	\$21,576,262.52	

Describe Any Risk Associated With This Change: The progress of the renewal of large diameter sewers towards the ongoing Consent Decree would be reduced and would have to be accomplished by other means. ITI has proven itself as a capable contractor for larger, more complex projects required by the water and wastewater system in DeKalb County.

Effect of NOT Approving This Change: Other contracting mechanisms would need to be used, consuming additional time and effort within the DWM and DeKalb organization. This work is necessary and important to the ongoing efforts to improve system reliability and integrity.

Engineering Manager's Approval:

- Accepted
- Rejected

Signature: Cassandra M. Marshall Digitally signed by Cassandra M. Marshall
Date: 2022.04.05 08:58:30 -04'00'
Print Name: Cassandra Marshall
Date: 04/05/22

Watershed Director's Approval:

- Accepted
- Rejected

Signature: David Hayes Digitally signed by David Hayes
Date: 2022.04.07 14:37:50 -04'00'
Print Name: David Hayes
Date: 4/07/2022

Chief Operating Officer's Approval:

- Accepted
- Rejected

Signature: *Joseph L. Williams*
Print Name: Joseph L. Williams
Date: 4-8-22

Contract Name: Trenchless Sewer Line Rehabilitation and Construction and Televising Inspection Services City of Savannah Cooperative Agreement
Contractor: Insituform Technologies, LLC
Contract Number: 1177081
Contract Amendment Number: 5

DeKalb County - Insituform Coop
2022 Scope

Item	Description	Unit of Measure	Per Bid Quantity	Bid Price	Total
1	Sewer Line - CIPP 8 inch x 6.0mm	LF	100,000	\$ 31.70	\$ 3,170,000.00
1a	ENR CCI Escalation (1.20) - Sewer Line - CIPP 8 inch x 6.0mm	LF	100,000	\$ 6.34	\$ 634,000.00
2	Sewer Line - CIPP 30 inch x 15.0mm	LF	3,343	\$ 219.20	\$ 732,785.60
2a	ENR CCI Escalation (1.20) - Sewer Line - CIPP 30 inch x 15.0mm	LF	3,343	\$ 43.84	\$ 146,557.12
3	Sewer Line - CIPP 36 inch x 18.0mm	LF	3,981	\$ 265.30	\$ 1,056,159.30
3a	ENR CCI Escalation (1.20) - Sewer Line - CIPP 36 inch x 18.0mm	LF	3,981	\$ 53.06	\$ 211,231.86
4	Sewer Line - CIPP 42 inch x 21.0mm	LF	2,514	\$ 313.60	\$ 788,390.40
4a	ENR CCI Escalation (1.20) - Sewer Line - CIPP 42 inch x 21.0mm	LF	2,514	\$ 62.72	\$ 157,678.08
5	Sewer Line - CIPP 48 inch x 24.0mm	LF	1,464	\$ 404.10	\$ 591,602.40
5a	ENR CCI Escalation (1.20) - Sewer Line - CIPP 48 inch x 24.0mm	LF	1,464	\$ 80.82	\$ 118,320.48
6	Service Lateral Reconnection	EA	2,004	\$ 115.60	\$ 231,662.40
6a	ENR CCI Escalation (1.20) - Service Lateral Reconnection	EA	2,004	\$ 23.12	\$ 46,332.48
7	Mobilization - CIPP Crew	EA	35	\$ 6,485.00	\$ 226,975.00
7a	ENR CCI Escalation (1.20) - Mobilization - CIPP Crew	EA	35	\$ 1,297.00	\$ 45,395.00
8	TV Inspection < 12 inch pipe	LF	100,000	\$ 2.10	\$ 210,000.00
8a	ENR CCI Escalation (1.20) - TV Inspection < 12 inch pipe	LF	100,000	\$ 0.42	\$ 42,000.00
9	TV Inspection > 12 inch pipe	LF	11,302	\$ 2.60	\$ 29,385.20
9a	ENR CCI Escalation (1.20) - TV Inspection > 12 inch pipe	LF	11,302	\$ 0.52	\$ 5,877.04
10	Protruding Tap Removal 8"	EA	50	\$ 79.30	\$ 3,965.00
10a	ENR CCI Escalation (1.20) - Protruding Tap Removal 8"	EA	50	\$ 15.86	\$ 793.00
11	Cleaning 8 inch lines	LF	100,000	\$ 2.10	\$ 210,000.00
11a	ENR CCI Escalation (1.20) - Cleaning 8 inch lines	LF	100,000	\$ 0.42	\$ 42,000.00
12	Cleaning 30 inch lines	LF	3,343	\$ 4.20	\$ 14,040.60
12a	ENR CCI Escalation (1.20) - Cleaning 30 inch lines	LF	3,343	\$ 0.84	\$ 2,808.12
13	Cleaning 36 inch lines	LF	3,981	\$ 5.30	\$ 21,099.30
13a	ENR CCI Escalation (1.20) - Cleaning 36 inch lines	LF	3,981	\$ 1.06	\$ 4,219.86
14	Cleaning 42 inch lines	LF	2,514	\$ 6.30	\$ 15,838.20
14a	ENR CCI Escalation (1.20) - Cleaning 42 inch lines	LF	2,514	\$ 1.26	\$ 3,167.64
15	Cleaning 48 inch lines	LF	1,464	\$ 6.90	\$ 10,101.60
15a	ENR CCI Escalation (1.20) - Cleaning 48 inch lines	LF	1,464	\$ 1.38	\$ 2,020.32
16	Mobilization - Clean and TV Crew	EA	20	\$ 1,060.00	\$ 21,200.00
16a	ENR CCI Escalation (1.20) - Mobilization - Clean and TV Crew	EA	20	\$ 212.00	\$ 4,240.00
17	Heavy Root Cleaning 8 inch	LF	15,000	\$ 3.20	\$ 48,000.00
17a	ENR CCI Escalation (1.20) - Heavy Root Cleaning 8 inch	LF	15,000	\$ 0.64	\$ 9,600.00
18	CIPP - Additional 8" 1.5mm	LF	100,000	\$ 2.75	\$ 275,000.00
18a	ENR CCI Escalation (1.20) - CIPP - Additional 8" 1.5mm	LF	100,000	\$ 0.55	\$ 55,000.00
19	CIPP - Additional 30" 1.5mm	LF	3,493	\$ 9.25	\$ 32,310.25
19a	ENR CCI Escalation (1.20) - CIPP - Additional 30" 1.5mm	LF	3,493	\$ 1.85	\$ 6,462.05
20	CIPP - Additional 36" 1.5mm	LF	15	\$ 10.50	\$ 157.50
20a	ENR CCI Escalation (1.20) - CIPP - Additional 36" 1.5mm	LF	15	\$ 2.10	\$ 31.50
21	CIPP - Additional 42" 1.5mm	LF	3,277	\$ 11.75	\$ 38,504.75
21a	ENR CCI Escalation (1.20) - CIPP - Additional 42" 1.5mm	LF	3,277	\$ 2.35	\$ 7,700.95
22	CIPP - Additional 48" 1.5mm	LF	1,844	\$ 13.25	\$ 24,433.00
22a	ENR CCI Escalation (1.20) - CIPP - Additional 48" 1.5mm	LF	1,844	\$ 2.65	\$ 4,886.60
23	Sewer debris removal, haul, disposal	Ton	240	\$ 705.00	\$ 169,200.00
23a	ENR CCI Escalation (1.20) - Sewer debris removal, haul, disposal	Ton	240	\$ 141.00	\$ 33,840.00
24	Mobilization - Excavation/Access Contractor	EA	15	\$ 5,000.00	\$ 75,000.00
24a	ENR CCI Escalation (1.20) - Mobilization - Excavation/Access Contractor	EA	15	\$ 1,000.00	\$ 15,000.00
25	Clearing	LF	18,073	\$ 32.00	\$ 578,336.00
25a	ENR CCI Escalation (1.20) - Clearing	LF	18,073	\$ 6.40	\$ 115,667.20
26	MH - Disassemble & reassemble	VF	120	\$ 770.00	\$ 92,400.00
26a	ENR CCI Escalation (1.20) - MH - Disassemble & reassemble	VF	120	\$ 154.00	\$ 18,480.00
27	MH - Cone/Top Removal	EA	48	\$ 2,700.00	\$ 129,600.00
27a	ENR CCI Escalation (1.20) - MH - Cone/Top Removal	EA	48	\$ 540.00	\$ 25,920.00

Buford		Flat Shoals		Melinda		CIPP 8" Undefined Scope		OTHER	
QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
	\$ -		\$ -		\$ -	100,000	\$ 3,170,000.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 634,000.00		\$ -
2,057	\$ 450,894.40	1,286	\$ 281,891.20		\$ -		\$ -		\$ -
2,057	\$ 90,178.88	1,286	\$ 56,378.24		\$ -		\$ -		\$ -
317	\$ 84,100.10	866	\$ 229,749.80	2,798	\$ 742,309.40		\$ -		\$ -
317	\$ 16,820.02	866	\$ 45,949.96	2,798	\$ 148,461.88		\$ -		\$ -
	\$ -		\$ -	2,514	\$ 788,390.40		\$ -		\$ -
	\$ -		\$ -	2,514	\$ 157,678.08		\$ -		\$ -
1,464	\$ 591,602.40		\$ -		\$ -		\$ -		\$ -
1,464	\$ 118,320.48		\$ -		\$ -		\$ -		\$ -
	\$ -	4	\$ 462.40		\$ -	2,000	\$ 231,200.00		\$ -
	\$ -	4	\$ 92.48		\$ -	2,000	\$ 46,240.00		\$ -
3	\$ 19,455.00	1	\$ 6,485.00	3	\$ 19,455.00	28	\$ 181,580.00		\$ -
3	\$ 3,891.00	1	\$ 1,297.00	3	\$ 3,891.00	28	\$ 36,316.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 210,000.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 42,000.00		\$ -
3,838	\$ 9,978.80	2,152	\$ 5,595.20	5,312	\$ 13,811.20		\$ -		\$ -
3,838	\$ 1,995.76	2,152	\$ 1,119.04	5,312	\$ 2,762.24		\$ -		\$ -
	\$ -		\$ -		\$ -	50	\$ 3,965.00		\$ -
	\$ -		\$ -		\$ -	50	\$ 793.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 210,000.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 42,000.00		\$ -
2,057	\$ 8,639.40	1,286	\$ 5,401.20		\$ -		\$ -		\$ -
2,057	\$ 1,727.88	1,286	\$ 1,080.24		\$ -		\$ -		\$ -
317	\$ 1,680.10	866	\$ 4,589.80	2,798	\$ 14,829.40		\$ -		\$ -
317	\$ 336.02	866	\$ 917.96	2,798	\$ 2,965.88		\$ -		\$ -
	\$ -		\$ -	2,514	\$ 15,838.20		\$ -		\$ -
	\$ -		\$ -	2,514	\$ 3,167.64		\$ -		\$ -
1,464	\$ 10,101.60		\$ -		\$ -		\$ -		\$ -
1,464	\$ 2,020.32		\$ -		\$ -		\$ -		\$ -
2	\$ 2,120.00	1	\$ 1,060.00	2	\$ 2,120.00	15	\$ 15,900.00		\$ -
2	\$ 424.00	1	\$ 212.00	2	\$ 424.00	15	\$ 3,180.00		\$ -
	\$ -		\$ -		\$ -	15,000	\$ 48,000.00		\$ -
	\$ -		\$ -		\$ -	15,000	\$ 9,600.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 275,000.00		\$ -
	\$ -		\$ -		\$ -	100,000	\$ 55,000.00		\$ -
2,057	\$ 19,027.25	1,436	\$ 13,283.00		\$ -		\$ -		\$ -
2,057	\$ 3,805.45	1,436	\$ 2,656.60		\$ -		\$ -		\$ -
	\$ -		\$ -	15	\$ 157.50		\$ -		\$ -
	\$ -		\$ -	15	\$ 31.50		\$ -		\$ -
	\$ -		\$ -	3,277	\$ 38,504.75		\$ -		\$ -
	\$ -		\$ -	3,277	\$ 7,700.95		\$ -		\$ -
1,844	\$ 24,433.00		\$ -		\$ -		\$ -		\$ -
1,844	\$ 4,886.60		\$ -		\$ -		\$ -		\$ -
70	\$ 49,350.00	40	\$ 28,200.00	130	\$ 91,650.00		\$ -		\$ -
70	\$ 9,870.00	40	\$ 5,640.00	130	\$ 18,330.00		\$ -		\$ -
2	\$ 10,000.00	1	\$ 5,000.00	2	\$ 10,000.00	10	\$ 50,000.00		\$ -
2	\$ 2,000.00	1	\$ 1,000.00	2	\$ 2,000.00	10	\$ 10,000.00		\$ -
3,596	\$ 115,072.00	2,868	\$ 91,776.00	11,609	\$ 371,488.00		\$ -		\$ -
3,596	\$ 23,014.40	2,868	\$ 18,355.20	11,609	\$ 74,297.60		\$ -		\$ -
10	\$ 7,700.00	30	\$ 23,100.00	80	\$ 61,600.00		\$ -		\$ -
10	\$ 1,540.00	30	\$ 4,620.00	80	\$ 12,320.00		\$ -		\$ -
19	\$ 51,300.00	21	\$ 56,700.00	8	\$ 21,600.00		\$ -		\$ -
19	\$ 10,260.00	21	\$ 11,340.00	8	\$ 4,320.00		\$ -		\$ -

28	Creek crossing	LF	420	\$ 500.00	\$ 210,000.00
28a	ENR CCI Escalation (1.20) - Creek crossing	LF	420	\$ 100.00	\$ 42,000.00
29	Fence Removal/replacement	LF	710	\$ 90.00	\$ 63,900.00
29a	ENR CCI Escalation (1.20) - Fence Removal/replacement	LF	710	\$ 18.00	\$ 12,780.00
30	Sod Restoration	SY	31,769	\$ 16.50	\$ 524,188.50
30a	ENR CCI Escalation (1.20) - Sod Restoration	SY	31,769	\$ 3.30	\$ 104,837.70
31	Grade soil	SY	35,156	\$ 15.00	\$ 527,340.00
31a	ENR CCI Escalation (1.20) - Grade soil	SY	35,156	\$ 3.00	\$ 105,468.00
32	Temp Rock Road (left in place)/Construction Entrance (Rock)	LF	28,280	\$ 37.00	\$ 1,046,360.00
32a	ENR CCI Escalation (1.20) - Temp Rock Road (left in place)/Construction E	LF	28,280	\$ 7.40	\$ 209,272.00
33	Asphalt Pavement Repair	SY	111	\$ 125.00	\$ 13,875.00
33a	ENR CCI Escalation (1.20) - Asphalt Pavement Repair	SY	111	\$ 25.00	\$ 2,775.00
34	Concrete Pavement Repair	SY	54	\$ 150.00	\$ 8,100.00
34a	ENR CCI Escalation (1.20) - Concrete Pavement Repair	SY	54	\$ 30.00	\$ 1,620.00
35	Street trenching	LF	80	\$ 150.00	\$ 12,000.00
35a	ENR CCI Escalation (1.20) - Street trenching	LF	80	\$ 30.00	\$ 2,400.00
36	Silt Fencing (per single run)	LF	29,391	\$ 6.50	\$ 191,041.50
36a	ENR CCI Escalation (1.20) - Silt Fencing (per single run)	LF	29,391	\$ 1.30	\$ 38,208.30
37	Hay Bales	EA	7,349	\$ 55.00	\$ 404,195.00
37a	ENR CCI Escalation (1.20) - Hay Bales	EA	7,349	\$ 11.00	\$ 80,839.00
38	Crushed Stone/Soil In-Place	CY	6,803	\$ 95.00	\$ 646,285.00
38a	ENR CCI Escalation (1.20) - Crushed Stone/Soil In-Place	CY	6,803	\$ 19.00	\$ 129,257.00
39	Dog House MH's	VF	90	\$ 1,000.00	\$ 90,000.00
39a	ENR CCI Escalation (1.20) - Dog House MH's	VF	90	\$ 200.00	\$ 18,000.00
40	Remove Guardrail	LF	40	\$ 75.00	\$ 3,000.00
40a	ENR CCI Escalation (1.20) - Remove Guardrail	LF	40	\$ 15.00	\$ 600.00
41	Bypass - Buford	LS	1	\$ 1,290,000.00	\$ 1,290,000.00
41a	ENR CCI Escalation (1.20) - Bypass - Buford	LS	1	\$ 258,000.00	\$ 258,000.00
42	Bypass - Flat Shoals	LS	1	\$ 1,185,000.00	\$ 1,185,000.00
42a	ENR CCI Escalation (1.20) - Bypass - Flat Shoals	LS	1	\$ 237,000.00	\$ 237,000.00
43	Bypass - Melinda	LS	1	\$ 2,440,000.00	\$ 2,440,000.00
43a	ENR CCI Escalation (1.20) - Bypass - Melinda	LS	1	\$ 488,000.00	\$ 488,000.00
44	Matting - Flat Shoals	WK	3	\$ 4,500.00	\$ 13,500.00
44a	ENR CCI Escalation (1.20) - Matting - Flat Shoals	WK	3	\$ 900.00	\$ 2,700.00
45	Matting - Melinda	WK	9	\$ 6,000.00	\$ 54,000.00
45a	ENR CCI Escalation (1.20) - Matting - Melinda	WK	9	\$ 1,200.00	\$ 10,800.00
46	Contract Amendment 1 - Davis Bacon	LF	111,302	\$ 3.70	\$ 411,817.40
46a	ENR CCI Escalation (1.20) - Contract Amendment 1 - Davis Bacon	LF	111,302	\$ 0.74	\$ 82,363.48
47	Point Repair 8" 0'-12' Length (0' - 10' deep)	EA	80	\$ 13,950.00	\$ 1,116,000.00
48	Additional Length Pt Rpr > 12 LF (0' - 10' deep)	LF	160	\$ 325.00	\$ 52,000.00
49	Testing	AL	1	\$ 200,000.00	\$ 200,000.00
50	Traffic Control permit, devices, flagmen	AL	1	\$ 500,000.00	\$ 500,000.00
51	Package 2 Comp 12	LS	1	\$ 2,440,409.93	\$ 2,440,409.93
52	Cosmos Area - ENR CCI Escalation (1.20) - Sewer Line-- CIPP 36 inch x 2	LF	2,650	\$ 53.06	\$ 140,609.00
53	Emory Area - ENR CCI Escalation (1.20) - Sewer Line-- CIPP 48 inch x 24	LF	4,343	\$ 80.82	\$ 351,001.26
54	Emory Area - ENR CCI Escalation (1.20) - CIPP - Additional 48" 1.5mm	LF	6,802	\$ 2.65	\$ 18,025.30
55	Goat Trail Area - ENR CCI Escalation (1.15) - Sewer Line-- CIPP 30 inch	LF	1,692	\$ 32.88	\$ 55,632.96
56	Goat Trail Area - ENR CCI Escalation (1.15) - Sewer Line-- CIPP 36 inch	LF	3,616	\$ 39.80	\$ 143,916.80
57	Goat Trail Area - ENR CCI Escalation (1.15) - CIPP - Additional 30" 1.5mm	LF	1,692	\$ 1.39	\$ 2,351.88
58	Owner Controlled Contingency Allowance	AL	1		\$ 2,653,684.58
					\$ 29,190,530.39

180	\$ 90,000.00	150	\$ 75,000.00	90	\$ 45,000.00		\$ -	\$ -
180	\$ 18,000.00	150	\$ 15,000.00	90	\$ 9,000.00		\$ -	\$ -
130	\$ 11,700.00	130	\$ 11,700.00	450	\$ 40,500.00		\$ -	\$ -
130	\$ 2,340.00	130	\$ 2,340.00	450	\$ 8,100.00		\$ -	\$ -
13,986	\$ 230,769.00	8,783	\$ 144,919.50	9,000	\$ 148,500.00		\$ -	\$ -
13,986	\$ 46,153.80	8,783	\$ 28,983.90	9,000	\$ 29,700.00		\$ -	\$ -
14,456	\$ 216,840.00	3,000	\$ 45,000.00	17,700	\$ 265,500.00		\$ -	\$ -
14,456	\$ 43,368.00	3,000	\$ 9,000.00	17,700	\$ 53,100.00		\$ -	\$ -
6,713	\$ 248,381.00	8,758	\$ 324,046.00	12,809	\$ 473,933.00		\$ -	\$ -
6,713	\$ 49,676.20	8,758	\$ 64,809.20	12,809	\$ 94,786.60		\$ -	\$ -
	\$ -	111	\$ 13,875.00		\$ -		\$ -	\$ -
	\$ -	111	\$ 2,775.00		\$ -		\$ -	\$ -
40	\$ 6,000.00		\$ -	14	\$ 2,100.00		\$ -	\$ -
40	\$ 1,200.00		\$ -	14	\$ 420.00		\$ -	\$ -
	\$ -		\$ -	80	\$ 12,000.00		\$ -	\$ -
	\$ -		\$ -	80	\$ 2,400.00		\$ -	\$ -
8,074	\$ 52,481.00	8,758	\$ 56,927.00	12,559	\$ 81,633.50		\$ -	\$ -
8,074	\$ 10,496.20	8,758	\$ 11,385.40	12,559	\$ 16,326.70		\$ -	\$ -
2,019	\$ 111,045.00	2,190	\$ 120,450.00	3,140	\$ 172,700.00		\$ -	\$ -
2,019	\$ 22,209.00	2,190	\$ 24,090.00	3,140	\$ 34,540.00		\$ -	\$ -
5,303	\$ 503,785.00	1,000	\$ 95,000.00	500	\$ 47,500.00		\$ -	\$ -
5,303	\$ 100,757.00	1,000	\$ 19,000.00	500	\$ 9,500.00		\$ -	\$ -
30	\$ 30,000.00		\$ -	60	\$ 60,000.00		\$ -	\$ -
30	\$ 6,000.00		\$ -	60	\$ 12,000.00		\$ -	\$ -
	\$ -	40	\$ 3,000.00		\$ -		\$ -	\$ -
	\$ -	40	\$ 600.00		\$ -		\$ -	\$ -
1	\$ 1,290,000.00		\$ -		\$ -		\$ -	\$ -
1	\$ 258,000.00		\$ -		\$ -		\$ -	\$ -
	\$ -	1	\$ 1,185,000.00		\$ -		\$ -	\$ -
	\$ -	1	\$ 237,000.00		\$ -		\$ -	\$ -
	\$ -		\$ -	1	\$ 2,440,000.00		\$ -	\$ -
	\$ -		\$ -	1	\$ 488,000.00		\$ -	\$ -
	\$ -	3	\$ 13,500.00		\$ -		\$ -	\$ -
	\$ -	3	\$ 2,700.00		\$ -		\$ -	\$ -
	\$ -		\$ -	9	\$ 54,000.00		\$ -	\$ -
	\$ -		\$ -	9	\$ 10,800.00		\$ -	\$ -
3,838	\$ 14,200.60	2,152	\$ 7,962.40	5,312	\$ 19,654.40	100,000	\$ 370,000.00	\$ -
3,838	\$ 2,840.12	2,152	\$ 1,592.48	5,312	\$ 3,930.88	100,000	\$ 74,000.00	\$ -
	\$ -		\$ -		\$ -	80	\$ 1,116,000.00	\$ -
	\$ -		\$ -		\$ -	160	\$ 52,000.00	\$ -
0.10	\$ 20,000.00	0.05	\$ 10,000.00	0.10	\$ 20,000.00	0.75	\$ 150,000.00	\$ -
0.03	\$ 15,000.00	0.03	\$ 15,000.00	0.04	\$ 20,000.00	0.9	\$ 450,000.00	\$ -
	\$ -		\$ -		\$ -		\$ -	1 \$ 2,440,409.93
	\$ -		\$ -		\$ -		\$ -	2,650 \$ 140,609.00
	\$ -		\$ -		\$ -		\$ -	4,343 \$ 351,001.26
	\$ -		\$ -		\$ -		\$ -	6,802 \$ 18,025.30
	\$ -		\$ -		\$ -		\$ -	1,692 \$ 55,632.96
	\$ -		\$ -		\$ -		\$ -	3,616 \$ 143,916.80
	\$ -		\$ -		\$ -		\$ -	1,692 \$ 2,351.88
	\$ -		\$ -		\$ -		\$ -	1 \$ -
	\$ 5,147,786.78		\$ 3,444,608.20		\$ 7,305,729.70		\$ 7,486,774.00	\$ 3,151,947.13

1. DeKalb County Department of Watershed Management (DWM) to obtain any and all Right-of-Entry Agreements for access and construction of this scope of work. These shall be fully-executed and in place prior to any project personnel mobilization.
2. Should Insituform need to assist with Right-of-Entry Agreements, the cost shall be reimbursed at cost + 10% using the project contingency.
3. The CIPP 8" and point repair scopes of work are currently undefined. Access, restoration, erosion control, and other ancillary items will be utilized as required to complete the work.
4. Additional clean and TV after point repair completion shall be invoiced using existing items - in addition to the initial clean and TV footage billed.
5. Clearing limited to include tree removal/mulching up to 12" diameter. Clearing assumes mulching of vegetation and leaving in place.
6. Silt fencing quantities are estimated based on single runs. Should Dekalb require double or triple runs of silt fence, the estimated quantities shall increase accordingly.
7. Any Rock Road and/or Crushed stone/soil items installed shall remain in place. Should rock not be allowed on any sites, Insituform will need to procure and develop a new price for the installation of matting.
8. We have presented our best quantity estimates of the clearing, access, restoration, and erosion control items. As this is a unit-price-based proposal, actual quantities as required to perform the work shall be invoiced.
9. Any and all traffic control-related items that may be required are not included in any of the above unit price items and shall be reimbursed through the Traffic Control allowance item.
10. Any erosion control plans (if needed) shall be billed from owner contingency at cost +10%.
11. The clearing item shall be invoiced separately and is not included in the rock road or other proposal items.
12. Manhole cone top removal, Disassemble/reassemble, and Dog House Manholes are limited up to 60" diameter. If any manholes are found to be larger, adjustment to unit price shall be reimbursed at cost + 10% using the project contingency.
13. Any and all testing related items that may be required are not included in any of the unit price items and shall be reimbursed through the Testing allowance item.
14. The proposal pricing does not include the use of Vericure/Zia Wire temperature monitoring systems. In the event this is required by Dekalb, it shall be billed at cost + 10% against the project contingency.
15. Additional 1.5mm thickness quantities are based on the preliminary CIPP designs, which are based on the estimated manhole depths from Dekalb. These quantities may increase or decrease based on actual manhole depth measurements and the corresponding final CIPP designs.
16. Any grouting or installation of pre-liner needed due to pipe infiltration shall be reimbursed at cost + 10% against the project contingency.
17. Water used on the job shall be reimbursed at cost against the project contingency.
18. Safety fencing, tree save, tree removal/mulching >12", replacing trees, and any other scope identified not listed in the proposal items shall be reimbursed at cost + 10% against the project contingency.
19. As discussed previously, a minimum of all mobilizations listed in the proposal pricing shall be paid in full.
20. As discussed previously, a full-time safety representative shall not be required on site.
21. As discussed previously with DWM, Insituform assumes Rafter shall be formally removed from our contract and we shall subcontract with Cleveland Carter on this, current and future scopes of work on this contract.
22. As discussed previously with DWM, proposal pricing assumes all of the referenced and existing project areas, as well as any and all scopes of work within those areas can be worked on concurrently.
23. Any City of Atlanta requirements beyond and/or outside of DeKalb County's specifications for this contract shall be reimbursed at cost (including downtime/delay cost) + 10% against the project contingency.
24. Any existing contract bid items that are not included in this specific proposal and are added at a later date shall have the appropriate ENR CCI escalation factor applied.

Insituform is requesting 910 calendar days to complete the proposed scope of work.

MHA	MHB	DepthA	DepthB	Street	Nominal Tube Tkns	Diam.	Length	Services
18-099-s028	18-099-s029	12.8	13.2	3031 Orion drive	16.5	30	405	0
18-155-s123	18-155-s124	11.7	22.7	2851 Buford Hwy	27.0	48	158	0
18-155-s124	18-155-s060	22.7	20	2851 Buford Hwy	27.0	48	382	0
18-155-s060	18-155-s059	20	10.3	2822 Buford Hwy	25.5	48	764	0
18-155-s059	18-155-s059a	10.3	8	2822 Buford Hwy	24.0	48	160	0
18-103-s080	18-103-s079	12	12.9	148 Desmond DR	18.0	36	317	0
18-102-s007	18-102-s006	18.9	15.5	1282 Mcconnell Dr	16.5	30	413	0
18-102-s006	18-102-s200	15.4	8.6	1282 Mcconnell Dr	16.5	30	301	0
18-103-s039	18-103-s043	12.9	12.3	1039 Blackshear Dr	16.5	30	419	0
18-103-s039a	18-103-s039	12.9	12.9	1039 Blackshear Dr	16.5	30	182	0
18-103-s040	18-103-s039a	12.9	12.9	1039 Blackshear Dr	16.5	30	30	0
16-106-s218	16-087-s017	10.4	11.9	6400 Woodrow Rd	16.5	30	307	0
							3838	

MHA	MHB	DepthA	DepthB	Street	Nominal Tube Tkns	Diam.	Length	Services
15-070-s014	15-070-s013	19	29	4347 Flat Shoals Parkway	19.5	30	75	0
15-090-s013	15-090-s014	12	11.5	3353 Columbia Dr	18.0	36	274	0
15-090-s014	15-090-s015	12	12.2	3353 Columbia Dr	18.0	36	63	0
15-101-s043	15-102-s021	16.2	8	3571 Greentree Farms	16.5	30	374	1
15-102-s018	15-101-s048	10.3	12.6	3539 Knollview Ct/3535 Greent	16.5	30	426	1
15-102-s023	15-091-s210	10.6	10.6	2961 Pheasant Dr	16.5	30	411	2
15-103-s030	15-090-s027	13.4	14	3110 Lumby Ct	18.0	36	365	0
15-090-s027	15-090-s051	12	11.7	3110 Lumby Ct	18.0	36	164	0
							2152	

MHA	MHB	DepthA	DepthB	Street	Nominal Tube Tkns	Diam.	Length	Services
18-196-s018	18-196-s017	22.5	18.6	2910 Clairmont Rd	24.0	42	710	0
18-196-s017	18-196-s016	18.6	11.5	2940 Clairmont Rd	22.5	42	525	0
18-196-s016	18-196-s015	11.5	11.7	2940 Clairmont Rd	21.0	42	148	0
18-196-s014	18-196-s013	11.7	11.6	1750 Briarwood Rd	21.0	42	217	0
18-196-s013	18-196-s205	11.6	13.4	1750 Briarwood Rd	21.0	42	143	0
18-204-s073	18-204-s072	16	16.5	2601 Century Parkway	18.0	36	216	0
18-204-s072	18-204-s072a	16.5	16.5	2601 Century Parkway	18.0	36	50	0
18-204-s071	18-204-s070	16.3	16.3	2601 Century Parkway	21.0	42	105	0
18-204-s070	18-204-s069a	16.3	22.5	2601 Century Parkway	24.0	42	666	0
18-205-s018	18-204-s097	14.5	14.5	2297 Abby Ln	18.0	36	707	0
18-205-s020	18-205-s032	17.2	18.2	2250 Melinda Dr	19.5	36	15	0
18-205-s881	18-205-s023	13.2	11.4	2304 Melinda Dr	18.0	36	194	0
18-205-s023	18-205-s022	11.4	13.5	2280 Melinda Dr	18.0	36	188	0
18-233-s095	18-234-s049	13.2	13.2	2418 Melinda Ct	18.0	36	154	0
18-234-s049	18-234-s048	13.2	8.8	2398 Melinda Dr	18.0	36	183	0
18-234-s048	18-234-s047	8.8	6.6	2398 Melinda Dr	18.0	36	204	0
18-234-s047	18-234-s046	6.6	6.7	2384 Melinda Dr	18.0	36	204	0
18-234-s046	18-234-s045	6.7	9.6	2352 Melinda Dr	18.0	36	245	0
18-234-s045	18-205-s025	9.6	15.3	2352 Melinda Dr	18.0	36	258	0
18-205-s025	18-205-s024	15.3	15.3	2336 Melinda Dr	18.0	36	180	0
							5312	

Maps or line segment data not supplied by DeKalb County yet.

For proposal purposes:

Assume 100,000 LF of 8" CIPP

Assume 80 point repairs