



Roll Call Number

Agenda Item Number

11A

DATE February 13, 2012

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 2009 SEWER LINING PROGRAM, INSITUFORM TECHNOLOGIES USA, INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the 2009 Sewer Lining Program, 07-2009-003, in accordance with the contract approved between Insituform Technologies USA, Inc., J. Joseph Burgess, President & CEO, 17988 Edison Avenue, Chesterfield, MO 63005, under Roll Call No. 09-502, of March 23, 2009, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$4,310,845.44 is the total cost, of which \$3,990,795.15 has been paid the Contractor, and \$104,508.02 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$215,542.27 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:

[Signature]
Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE

[Signature]
Scott E. Sanders
Des Moines Finance Director

Funding Source: 2011-2012 CIP, Page Sanitary-13, Lining Sanitary Trunk and Lateral Sewers, SAE049, Being: \$4,033,481.44 in Sanitary Sewer Funds from SAE049 and \$277,364.00 in Storm Water Utility Funds from City-Wide Storm Water Utility Program, Page Storm-4, STE057

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, PASS, ABSENT. Rows include COWNIE, COLEMAN, GRIESS, HENSLEY, MAHAFFEY, MEYER, MOORE, and TOTAL.

MOTION CARRIED APPROVED

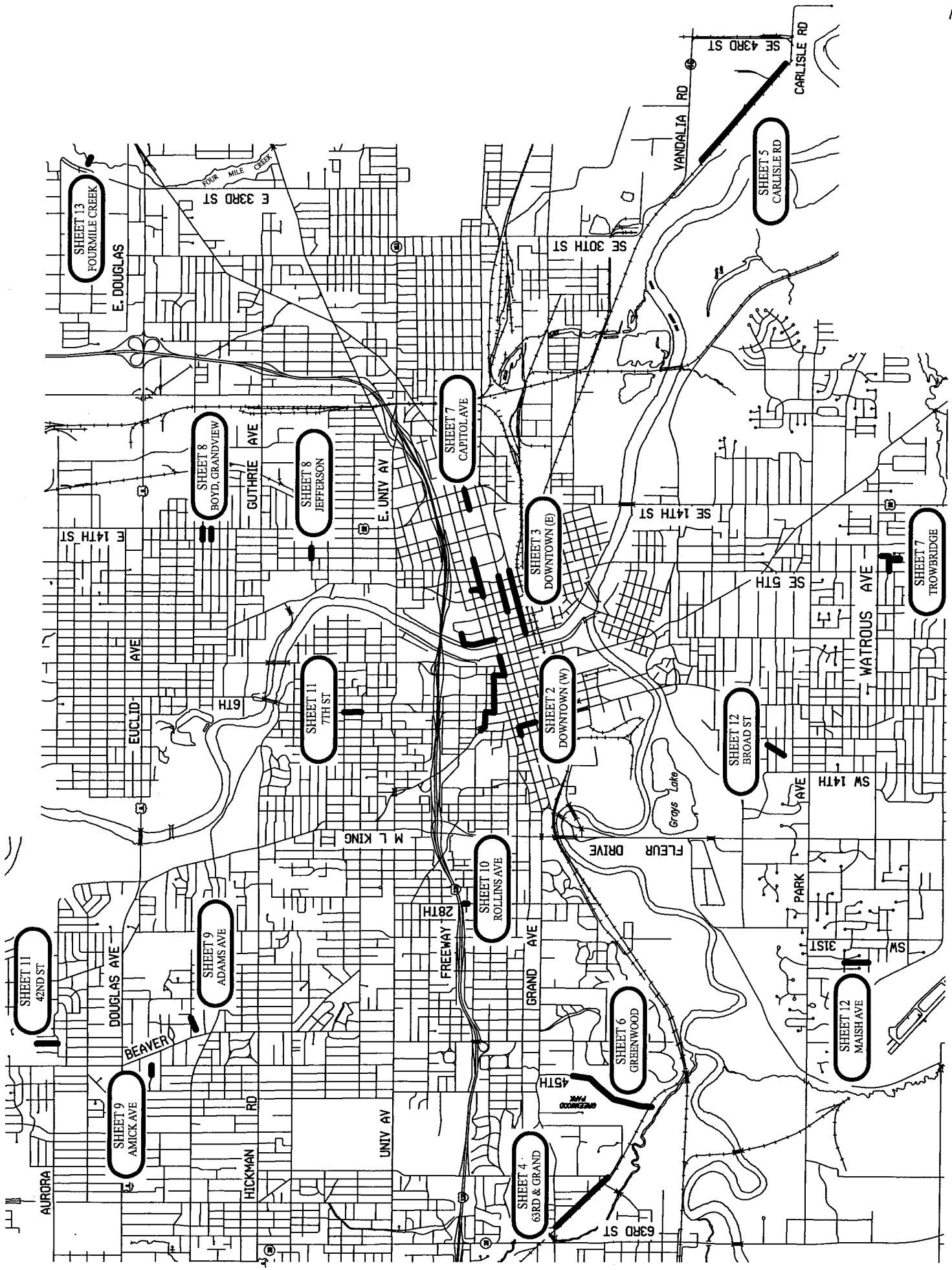
Mayor

CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

City Clerk



2009 SEWER LINING PROGRAM

PROJECT SUMMARY

2009 Sewer Lining Program

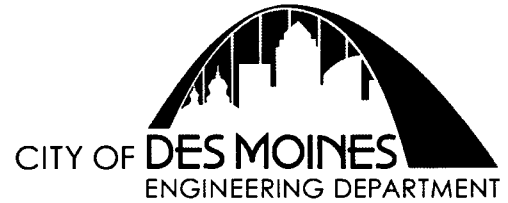
Activity ID 07-2009-003

On March 23, 2009, under Roll Call No. 09-502, the Council awarded the contract for the above improvements to Insituform Technologies USA, Inc., in the amount of \$4,187,362.50. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Contractor	11/17/2009 Clean R.D. Ray Dr., cut roots, locate manholes, deduct manholes and utility excavation.	\$5,774.00
2	User	1/7/2010 Relocate manholes. Provide uniformed officers. Repair sewer at 2nd & Grand. Clear path and remove obstruction. Replace sewer at Seneca Avenue. Remove sleeve from sewer. Delete spot repairs and manholes.	\$20,306.00
3	Contractor	10/13/2010 Clean and Televiser the 18" Dia. Sewer in Des Moines St.	\$10,477.00
4	Contractor	2/8/2011 Repair sink hole at E. 2nd & Des Moines streets.	\$2,200.00
5	Contractor	11/29/2011 Compensate Contractor for sewer liner lost due to flooding.	\$21,538.62
6	Contractor	12/20/2011 Provide temporary by-pass pumping, temporary ramps for pedestrians, additional traffic control, and place riprap.	\$17,472.50
7	Contractor	1/5/2012 Provide additional mobilization and setup because of high river levels.	\$24,298.50
8	Contractor	Adjust contract item amounts to as-built quantities. Compensate the Contractor for a CIPP liner.	\$21,416.32

Original Contract Amount	\$4,187,362.50
Total Change Orders	\$123,482.94
Percent of Change Orders to Original Contract	2.95%
Total Contract Amount	\$4,310,845.44

February 13, 2012



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 2009 Sewer Lining Program, Insituform Technologies USA, Inc.

SYNOPSIS:

Approve the Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$4,310,845.44 As-Built Contract Cost

Funding Source: 2011-2012 CIP, Page Sanitary-13, Lining Sanitary Trunk and Lateral Sewers, SAE049, Being: \$4,033,481.44 in Sanitary Sewer Funds from SAE049 and \$277,364.00 in Storm Water Utility Funds from City-Wide Storm Water Utility Program, Page Storm-4, STE057

CERTIFICATION OF COMPLETION:

On March 23, 2009, under Roll Call No. 09-502, the City Council awarded a contract to Insituform Technologies USA, Inc., J. Joseph Burgess, President & CEO, 17988 Edison Avenue, Chesterfield, MO 63005 for the construction of the following improvement:

2009 Sewer Lining Program, 07-2009-003

The improvement includes renovation of 33,000 lineal feet of 8" through 60" diameter sanitary and storm sewers with cured-in-place pipe (CIPP), by-pass pumping, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Nos. 495-065/084 at the following locations in Des Moines, Iowa:

- Grand Avenue from the Des Moines River to 3rd Street
- 3rd Street from Grand Avenue to Watson Powell Way
- Watson Powell Way from 3rd Street to 7th Street
- 7th Street from Watson Powell Way to Park Street
- Park Street from 7th Street to 9th Street
- 9th Street from Keosauqua Way to 200' South
- Grand Avenue from 9th Street to 10th Street
- 9th Street from Grand Avenue to Walnut Street
- Robert D. Ray Drive from E. Grand Avenue to 1200' North
- Robert D. Ray Drive @ 1200' North of E. Grand Avenue to 400' East
- E. Grand Avenue from Pennsylvania Avenue to 1000 Block
- E. Walnut Street from E. 4th Street to Kasson Street
- E. Court Avenue from Robert D. Ray Drive to E. 7th Street
- Railroad Right of Way @ 63rd Street and Grand Avenue to 3000' S.E.
- Railroad Right of Way from Carlisle Road, West of S.E. 43rd Street to 5200' to the Northwest
- 45th Street @ Greenwood Park to 3600' South to Railroad Tracks
- Capitol Avenue from E. 14th Street to E. 15th Street

- Between Watrous Avenue, Trowbridge Street, S.E. 5th Street and S.E. 7th Street
- Boyd Street from E. 14th Street to 500' West
- Grandview Avenue from E. 14th Street to 500' West
- Jefferson Street from E. 12th Street to E. 13th Street
- Amick Avenue in the 4400 Block
- Adams Avenue @ 40th Place to 400' to the S.W.
- Rollins Avenue @ 28th Street
- 7th Street from Forest Avenue to Clark Street
- 42nd Street from Aurora Avenue to 700' North
- 1300 Block of Virginia Avenue to 1200 Block of Creston Avenue
- 3300 Block of Maish Avenue to 3300 Block of Wolcott Avenue
- Four Mile Creek, 1300' North of Douglas Avenue

I hereby certify that the construction of said 2009 Sewer Lining Program, Activity ID 07-2009-003, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on April 20, 2009, and was completed on February 3, 2012.

I further certify that \$4,310,845.44 is the total cost of said improvement, of which \$3,990,795.15 has been paid the Contractor and \$104,508.02 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$215,542.27 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.



Jeb E. Brewer, P.E.
Des Moines City Engineer

ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 5/9/11 TO 1/23/12
PARTIAL PAYMENT NO. 18 (FINAL)

PROJECT: 2009 SANITARY SEWER LINING PROGRAM
CONTRACTOR: INSITUFORM TECHNOLOGIES, USA, INC.

PARTIAL PAYMENT NO. 18 (FINAL)

LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
1	CIPP LINER, 8" DIA.	LF	450	450		425.00	\$18.00	\$7,650.00
2	CIPP LINER, 10" DIA.	LF	2,200	2,200		2795.00	\$18.50	\$51,707.50
3	CIPP LINER, 12" DIA.	LF	4000	4000		4299.00	\$21.25	\$91,353.75
4	CIPP LINER, 15" DIA.	LF	5400	5400		5290.00	\$29.50	\$156,055.00
5	CIPP LINER, 18" DIA.	LF	1700	1700		1956.00	\$47.50	\$92,910.00
6	CIPP LINER, 24" DIA.	LF	4000	4000		3886.00	\$67.70	\$263,082.20
7	CIPP LINER, 30" DIA	LF	3900	3900		2736.00	\$74.30	\$277,584.80
8	CIPP LINER, EGG-SHAPE.	LF	2100	2100		2035.00	\$112.00	\$227,920.00
9	CIPP LINER, 36"	LF	3100	3100		3313.00	\$107.00	\$354,491.00
10	CIPP LINER, 48" DIA.	LF	1800	1800		1655.00	\$179.00	\$296,245.00
11	CIPP LINER, 54" DIA.	LF	900	900		801.00	\$219.50	\$175,819.50
12	CIPP LINER, 60" LINER	LF	3,000	3,000		2815.00	\$252.50	\$710,787.50
13	SPOT REPAIR, SEWER	EA	10	10		5.22	\$9,700.00	\$50,634.00
14	MANHOLE, 48" DIA.	EA	25	25		14.40	\$14,650.00	\$210,960.00
15	MANHOLE REHAB., STRONG SEAL	EA	140	140		149.00	\$1,455.00	\$216,795.00
16	SEWER SERVICES, RECONNECT	EA	400	400		360.00	\$184.00	\$66,240.00
17	BY-PASS PUMPING	LS	1	1		1.00	\$136,000.00	\$136,000.00
18	CLEAN SEWER	LF	32,550	32,550		33006.00	\$4.75	\$156,778.50
19	CLEANINGS, SEWER	TON	400	400		611.42	\$32.00	\$19,565.44
20	CLEANINGS, CONTAMINATED	TON	50	50		0.00	\$100.00	\$0.00
21	TRAFFIC CONTROL	LS	1	1		1.00	\$13,000.00	\$13,000.00
22	PROJECT SIGN - SMALL	EA	1	1		1.00	\$155.00	\$155.00
23	RAISE MH TO GRADE	EA	5	5		12.00	\$6,075.00	\$72,900.00
24	REPAIR BRICK SEWER BOTTOM	EA	5	5		0.00	\$1,500.00	\$0.00
25	UTILITY EXCAVATION	EA	4	4		3.00	\$20,600.00	\$61,800.00
26	54" SEWER REPLACEMENT - TROWBRIDGE	LS	1	1		1.00	\$71,000.00	\$71,000.00
27	24" SEWER REPLACEMENT - ADAMS AVE	LS	1	1		1.00	\$27,000.00	\$27,000.00
28	NEW MH - ROLLINS AVE	LS	1	1		1.00	\$44,000.00	\$44,000.00
29	HMA DRIVEWAY OVERLAY	LS	1	1		0.60	\$3,400.00	\$2,040.00
30	MANHOLE, ENLARGE OPENING	EA	10	10		3.00	\$8,100.00	\$24,300.00
CO 1.01	CLEAN 48" BRICK SEWER, R.D. RAY DR.	LS	1	1		1.00	\$181,500.00	\$181,500.00
CO 1.02	ROOT CUTTING & LOCATES	LS	1	1		1.00	\$20,674.00	\$20,674.00
CO2.01	RELOCATE MANHOLES	LS	1	1		1.00	\$5,775.00	\$5,775.00
CO2.02	UNIFORMED POLICE OFFICERS	LS	1	1		1.00	\$9,570.00	\$9,570.00

**PROJECT: 2009 SANITARY SEWER LINING PROGRAM
CONTRACTOR: INSITUFORM TECHNOLOGIES, USA, INC.**

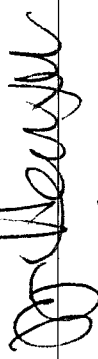
PARTIAL PAYMENT NO. 18 (FINAL)


LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
CO2.03	REPAIR SEWER, 2ND & GRAND	LS	1	1	1.00	\$3,120.00
CO2.04	CLEAR ACCESS PATH	LS	1	1	1.00	\$1,650.00
CO2.05	REMOVE OBSTRUCTION	LS	1	1	1.00	\$2,970.00
CO2.06	SENECA AVE. SEWER REPLACEMENT	LS	1	1	1.00	\$59,870.00
CO2.07	E. 4TH & CT. SLEEVE REMOVAL	LS	1	1	1.00	\$34,551.00
CO3.01	CLEAN & TV 18" SANI, DES MOINES ST.	LS	1	1	1.00	\$10,477.00
CO4.01	REPAIR SINK HOLE, E. 2ND & DES MOINES ST.	LS	1	1	1.00	\$2,200.00
CO5.01	COMPENSATION FOR SEWER LINER					\$17,908.62
CO5.02	REMOVE TREE					\$3,630.00
CO6.01	TEMPORARY PUMPING					\$7,578.50
CO6.02	RIPRAP					\$3,674.00
CO6.03	RAMPS					\$4,400.00
CO6.04	ADDITIONAL TRAFFIC CONTROL					\$1,820.00
CO7.01	ADDITIONAL MOBILIZATION & SETUP					\$24,298.50
CO8.01	COMPENSATE FOR CIPP TUBE					\$35,785.55
CO8.02	ADDITIONAL TRAFFIC CONTROL					\$619.08
CO8	ADJUST CONTRACT ITEM AMOUNTS TO AS-BUILT QUANTITIES					
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$4,310,845.44			
	PARTIAL PAYMENT NO. 1		\$13,195.00			
	PARTIAL PAYMENT NO. 2		\$293,619.27			
	PARTIAL PAYMENT NO. 3		\$153,974.99			
	PARTIAL PAYMENT NO. 4		\$84,937.59			
	PARTIAL PAYMENT NO. 5		\$150,636.21			
	PARTIAL PAYMENT NO. 6		\$323,387.27			
	PARTIAL PAYMENT NO. 7		\$430,341.73			
	PARTIAL PAYMENT NO. 8		\$528,040.17			
	PARTIAL PAYMENT NO. 9		\$556,540.87			
	PARTIAL PAYMENT NO. 10		\$724,795.38			
	PARTIAL PAYMENT NO. 11		\$162,395.61			
	PARTIAL PAYMENT NO. 12		\$49,761.00			
	PARTIAL PAYMENT NO. 13		\$277,695.45			
	PARTIAL PAYMENT NO. 14		\$101,752.60			
	PARTIAL PAYMENT NO. 15		\$9,675.75			
	PARTIAL PAYMENT NO. 16		\$112,068.46			
	PARTIAL PAYMENT NO. 17		\$17,977.80			
	THIS PARTIAL PAYMENT		\$104,508.02			
	TOTAL PARTIAL PAYMENTS		\$4,095,303.17			
	BALANCE		\$215,542.27			
	Percent Complete	100%				

PROJECT: 2009 SANITARY SEWER LINING PROGRAM
 CONTRACTOR: INSITUFORM TECHNOLOGIES, USA, INC.

PARTIAL PAYMENT NO. 18 (FINAL)

LINE NO.	DESCRIPTION	UNIT	UNITS		CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED			
					TOTAL		\$4,310,845.44
					RETAINAGE		\$215,542.27
					TOTAL LESS RETAINAGE		\$4,095,303.17
					LESS PREVIOUS PAYMENT		\$3,990,795.15
					AMOUNT DUE		\$104,508.02

PREPARED BY: 

CHECKED BY: 

PARTIAL PAYMENT NO. 18 (FINAL)