

DATE January 25, 2010

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 2006 SANITARY 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 Jurisdictional Engineer, showing the cost of the construction of the 2006 Sanitary Sewer Lining Program, 07-2006-002, 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. 06-2514, of December 18, 2006, 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 \$3,813,273.38 is the total cost, of which \$3,621,187.56 has been paid the Contractor, and \$1,422.15 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$190,663.67 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.

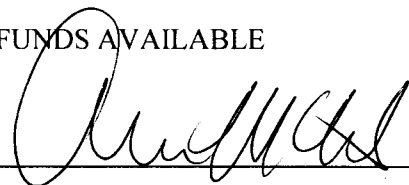
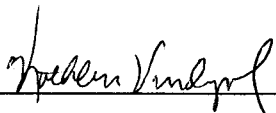
BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such acceptance within which to initiate suit to collect on their claims, and that if suit is not commenced within that time, the City of Des Moines will be required to release the retainage which it is now holding.

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:

FUNDS AVAILABLE



Kathleen Vanderpool  
Deputy City Attorney

Allen McKinley  
Des Moines Finance Director

Funding Source: 2009-2010 CIP, Page Sanitary-11, Lining Sanitary Trunk and Lateral Sewers, SAE049, Various Funding, Being: \$800,000 United States Environmental Protection Agency (55% EPA max. \$800,000) and Local Match (\$3,013,273.38) from Sanitary Sewer Funds

★ **Roll Call Number**

**Agenda Item Number**

9

DATE January 25, 2010

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

APPROVED

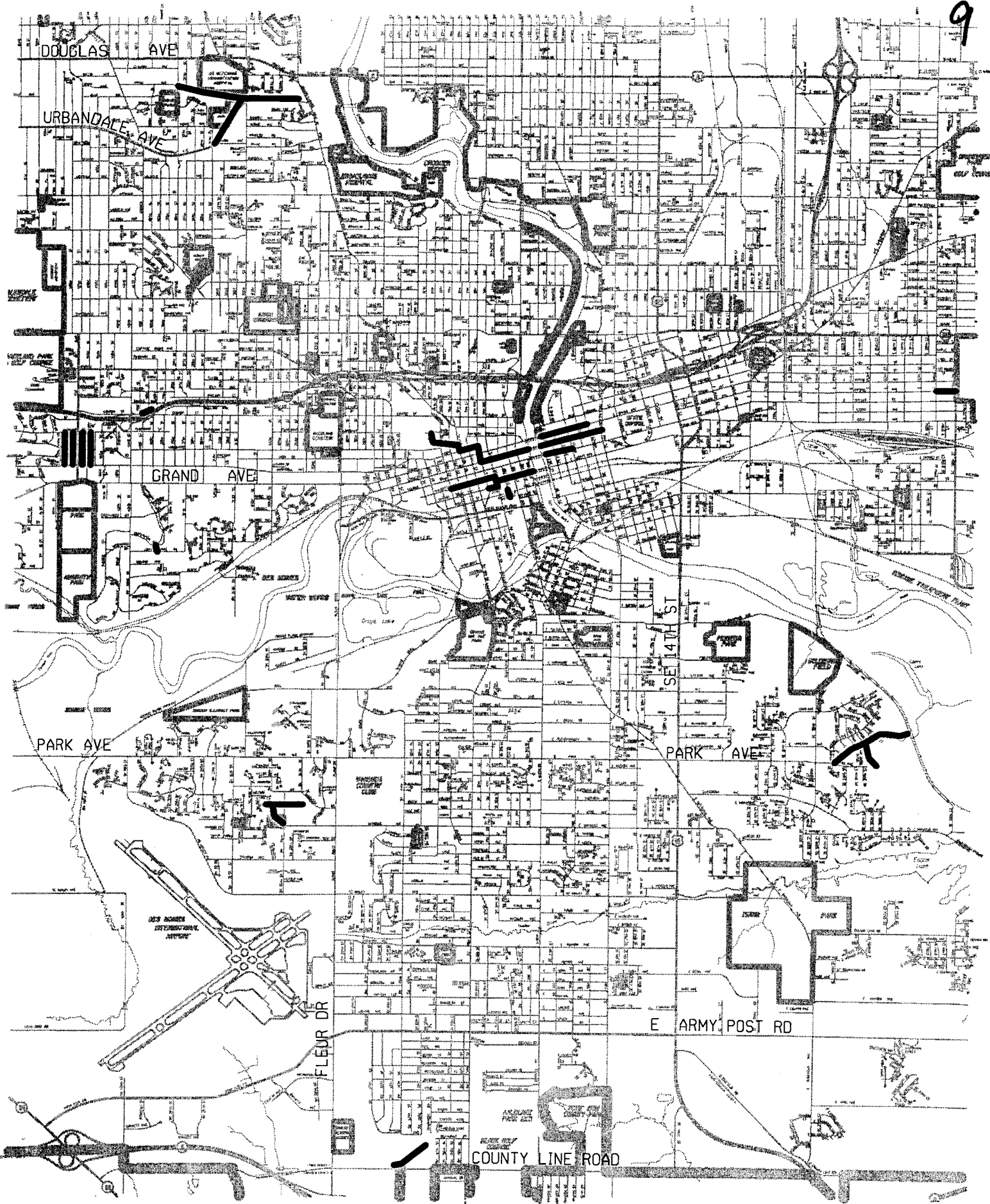
\_\_\_\_\_  
Mayor

**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



# 2006 SANITARY SEWER LINING PROGRAM

ACTIVITY ID: 07-2006-002

# PROJECT SUMMARY

## 2006 Sanitary Sewer Lining Program

### Activity ID 07-2006-002

On December 18, 2006, under Roll Call No. 06-2514, the City Council awarded the contract for the above improvements to Insituform Technologies USA, Inc., in the amount of \$3,580,276.00 to line sanitary sewers at various locations in the City.

Tabulated below is a history of project change orders.

<b>Change Order No.</b>	<b>Description</b>	<b>Initiated By</b>	<b>Amount</b>
1	7/31/2007 Hydro excavate at 46th St., and Polk Blvd. Deduct spot repairs.	Engineering	\$14,652.32
2	9/6/2007 Locate buried manholes. Restore backyard.	Contractor	\$6,430.56
3	2/15/2008 Remove rock and debris from 24" sanitary sewer along Urbandale Avenue between 30th and ML King .	Contractor	\$22,782.19
4	10/26/2007 Add spot repairs in backyards by time and materials. Restore backyard, remove tree, construct access road. Deduct bid item spot repairs.	Contractor	\$18,276.25
5	12/13/2007 Repair sewer bottom in Grand Ave. Deduct MH and Spot Repair.	Contractor	\$21,604.62
6	2/26/2008 Deduct one "Raise MH to Grade", Make spot repair to correct sinkhole at 683 25th Street, Reconstruct 19 manhole tops including bolt-down castings to prevent lids from lifting off south of Vets Hospital.	User	\$19,553.49

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
7	4/18/2008 Cut roots, televise sewers at 3rd & University and at Cummins Pkwy & Carpenter Ave.	User	\$6,457.88
8	5/7/2008 Make two spot repairs at 3rd & Univ. and one at #625 34th street. Construct two manholes at 8th & Pleasant Streets. Deduct 200 LF of 26" liner. Provide uniformed police officers.	Contractor	\$22,161.50
9	7/29/2008 Install manholes on E. Grand Ave. Install shaft on Woodland and replace casting on Locust. Deduct two manholes under Bid Item No. 16.	Contractor	\$6,613.57
10	8/4/2008 Repair sewer leak at 12th & Pleasant, repair sewer at 3rd & Univ., repair bike trail.	Contractor	\$19,889.28
11	9/22/2008 Install CIPP liners in three additional set-ups.	Contractor	\$22,426.00
12	11/10/2008 Install additional 10", 12", 15", and 30" liners at adjusted unit prices; and deduct 750 LF of 30" Dia. Egg-Shape liner to adjust contract quantities to final as-built quantities.	Contractor	\$12,082.80
13	12/4/2008 Construct access roads. Make spot repair at 666 46th St.	Contractor	\$23,293.00
14	2/25/2009 Adjust contract item amounts to as-built quantities. Line Lynner Dr. storm sewer. Increase liner thickness. Add lining of special shape sewer. Delete CO No. 7.	Engineering	\$15,276.92
15	Adjust contract item amounts to as-built quantities.	Engineering	\$1,497.00

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
	<b>Original Contract Amount</b>		\$3,580,276.00
	<b>Total Change Orders</b>		\$232,997.38 ✓
	<b>Percent of Change Orders to Original Contract</b>		6.51%
	<b>Final Contract Amount</b>		\$3,813,273.38 ✓

January 25, 2010



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the 2006 Sanitary Sewer Lining Program, Insituform Technologies USA, Inc.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$3,813,273.38 As-Built Contract Cost

Funding Source: 2006-2007 CIP, Page Sanitary-13, Lining Sanitary Trunk and Lateral Sewers, SAE049, Various Funding, Being: 55% United States Environmental Protection Agency (EPA max. \$800,000) and 45% Local Match (\$2,780,276) from Sanitary Sewer Funds

**CERTIFICATION OF COMPLETION:**

On December 18, 2006, under Roll Call No. 06-2514, 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:

2006 Sanitary Sewer Lining Program, 07-2006-002

The improvement includes renovation of 38,000 lineal feet of 8" through 60" diameter VCP and brick 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. 465-047/057 at:

1. The Urbandale Avenue area, near 30th Street
2. West of 48th Street between Harwood Drive and Ingersoll Avenue, East of 48th Street between Harwood Drive and Ingersoll Avenue, West of 46th Street between Harwood Drive and Ingersoll Avenue, East of 46th Street between Harwood Drive and Ingersoll Avenue
3. 40th Place, on the North side of I-235
4. Locust Street from 1st Street to 6th Avenue
5. 6th Avenue from Locust Street to High Street
6. High Street from 6th Avenue to 8th Street
7. 8th Street from High Street to Pleasant Street
8. Pleasant Street from 8th Street to 12th Street
9. Court Avenue from 1st Street to 5th Avenue
10. 5th Avenue from Mulberry Street to Cherry Street
11. Mulberry Street from 5th Avenue to 10th Street
12. Cherry Street from 5th Avenue to 6th Avenue

13. E. Grand Avenue from Robert D. Ray Drive to E. 6th Street
14. E. Locust Street from Robert D. Ray Drive to Penn Avenue
15. E. Walnut Street from Robert D. Ray Drive to E. 4th Street
16. SW 28th Street and Wolcott Avenue area
17. 4th Street, north of Market Street
18. 2400 Block of East Park Avenue area
19. 1400 Block of County Line Road area
20. 3800 block of John Lynde Road
21. Capitol Avenue from E. 29th Street to E 30th Street

I hereby certify that the construction of said 2006 Sanitary Sewer Lining Program, Activity ID 07-2006-002, 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 May 28, 2007, and was completed on January 7, 2010.

I further certify that \$3,813,273.38 is the total cost of said improvement, of which \$3,621,187.56 has been paid the Contractor and \$1,422.15 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$190,663.67 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 2/25/09 TO 11/18/09  
**PARTIAL PAYMENT NO. 13 (FINAL)**

**PROJECT: 2006 SANITARY SEWER LINING PROGRAM**  
**CONTRACTOR: INSITUFORM TECHNOLOGIES, USA, INC.**

PARTIAL PAYMENT NO. 13 (FINAL)

LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
1	CIPP LINER, 8" DIA.	LF	5,100	5,100		4874.00	\$21.00	\$102,354.00
2	CIPP LINER, 10" DIA.	LF	3,150	3,150		4102.00	\$22.00	\$90,244.00
3	CIPP LINER, 12" DIA.	LF	5700	5700		6578.00	\$23.00	\$151,294.00
4	CIPP LINER, 15" DIA.	LF	320	320		0.00	\$41.00	\$0.00
5	CIPP LINER, 18" DIA.	LF	3300	3300		3087.00	\$35.00	\$108,045.00
6	CIPP LINER, 21" DIA.	LF	300	300		294.00	\$49.00	\$14,406.00
7	CIPP LINER, 24" DIA.	LF	3500	3500		4530.00	\$82.00	\$371,460.00
8	CIPPLINER, 26" EGG-SHAPE	LF	8200	8200		9126.00	\$91.00	\$830,466.00
9	CIPP LINER, 30" DIA	LF	1300	1300		0.00	\$111.00	\$0.00
10	CIPP LINER, 30" EGG-SHAPE	LF	1850	1850		0.00	\$110.00	\$0.00
11	CIPP LINER, 36" EGG-SHAPE	LF	1,500	1,500		1382.00	\$149.00	\$205,918.00
12	CIPP LINER, 40" DIA.	LF	1,200	1,200		1196.00	\$146.00	\$174,616.00
13	CIPP LINER, 54" DIA.	LF	1,300	1,300		1219.00	\$223.00	\$271,837.00
14	CIPP LINER, 60" LINER	LF	700	700		660.00	\$284.00	\$187,440.00
15	SPOT REPAIR, SANI.	EA	8	8		2.00	\$9,265.00	\$18,530.00
16	MANHOLE, 48" DIA. SANITARY	EA	5	5		1.00	\$19,050.00	\$19,050.00
17	MANHOLE REHAB., STRONG SEAL	EA	150	150		140.00	\$1,092.00	\$152,880.00
18	SEWER SERVICES, RECONNECT	EA	400	400		447.00	\$110.00	\$49,170.00
19	BY-PASS PUMPING	JOB	1	1		1.00	\$25,260.00	\$25,260.00
20	CLEAN SANITARY SEWER	LF	37,420	37,420		35308.34	\$5.80	\$204,788.37
21	CLEANINGS, SANITARY SEWER	TON	300	300		620.57	\$32.00	\$19,858.24
22	CLEANINGS, CONTAMINATED	TON	50	50		0.00	\$103.00	\$0.00
23	TRAFFIC CONTROL	JOB	1	1		1.00	\$17,425.00	\$17,425.00
24	PROJECT SIGN - SMALL	EA	1	1		1.00	\$515.00	\$515.00
25	RAISE MH TO GRADE	EA	5	5		2.00	\$11,840.00	\$23,680.00
26	TOPHATS	EA	100	100		117.00	\$1,497.00	\$175,149.00
CO 1.01	HYDRO-EXCAVATE, 46TH, POLK BLVD	JOB	1	1		1.00	\$60,977.32	\$60,977.32
CO2.01	LOCATE BURIED MANHOLES	JOB	1	1		1.00	\$4,489.06	\$4,489.06
CO2.02	RESTORE BACKYARD	JOB	1	1		1.00	\$1,941.50	\$1,941.50
CO 3.01	REMOVE DEBRIS (BOULDERS)	JOB	1	1		1.00	\$22,782.19	\$22,782.19
CO4.01	SPOT REPAIRS	JOB	1	1		1.00	\$27,803.30	\$27,803.30
CO4.02	RESTORE BACKYARD	JOB	1	1		1.00	\$4,352.70	\$4,352.70
CO4.03	REMOVE TREE	JOB	1	1		1.00	\$3,828.00	\$3,828.00
CO4.04	CONSTRUCT ACCESS ROAD	JOB	1	1		1.00	\$822.25	\$822.25
CO5.01	REPAIR SEWER BOTTOM, GRAND AVE.	JOB	1	1		1.00	\$49,919.62	\$49,919.62

PROJECT: 2006 SANITARY SEWER LINING PROGRAM  
 CONTRACTOR: INSITUFORM TECHNOLOGIES, USA, INC.

PARTIAL PAYMENT NO. 13 (FINAL)

LINE NO.	DESCRIPTION	UNIT	UNITS				TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	UNIT PRICE	
CO6.01	SPOT REPAIR, #683 25TH ST	LS	1	1	1.00	\$16,484.64	\$16,484.64
CO6.02	RECONSTRUCT MH TOPS	LS	1	1	1.00	\$14,908.85	\$14,908.85
CO8.01	SPOT REPAIRS, 3RD & UNIV.	LS	1	1	1.00	\$27,755.00	\$27,755.00
CO8.02	REPAIR PIPE, 625 34TH ST	LS	1	1	1.00	\$1,354.00	\$1,354.00
CO8.03	MANHOLES, 8TH & PLEASANT	LS	1	1	1.00	\$10,334.00	\$10,334.00
CO8.04	POLICE OFFICERS, TRAFF. CONT.	LS	1	1	1.00	\$918.50	\$918.50
CO9.01	MH, 506 E. GRAND	LS	1	1	1.00	\$14,120.23	\$14,120.23
CO9.02	MH, 333 E. GRAND	LS	1	1	1.00	\$12,546.56	\$12,546.56
CO9.03	MH, E. 2ND & GRAND	LS	1	1	1.00	\$10,602.77	\$10,602.77
CO9.04	SHAFT, 46TH & WOODLAND	LS	1	1	1.00	\$2,085.47	\$2,085.47
CO9.05	REPLACE CASTING, 2ND & LOCUST	LS	1	1	1.00	\$3,054.78	\$3,054.78
CO9.06	ASPHALT, E. GRAND MANHOLES	LS	1	1	1.00	\$2,303.76	\$2,303.76
CO10.01	SEWER LEAK, 12TH & PLEASANT	LS	1	1	1.00	\$19,202.69	\$19,202.69
CO10.02	3RD & UNIV. SANI. REPAIR	LS	1	1	1.00	\$12,181.73	\$12,181.73
CO10.03	BIKE TRAIL, LEADO AVE.	LS	1	1	1.00	\$2,513.06	\$2,513.06
CO10.04	BIKE TRAIL, URBANDALE AVE.	LS	1	1	1.00	\$5,041.80	\$5,041.80
CO 11	ADDITIONAL SET-UP COSTS	LS	1	1	1.00	\$22,426.00	\$22,426.00
CO 12.01	KIRKWOOD, 10"	LF	175	175	167.00	\$31.02	\$5,180.34
CO 12.02	KIRKWOOD, 12"	LF	250	250	231.00	\$69.09	\$15,959.79
CO 12.03	KIRKWOOD, 15"	LF	350	350	292.00	\$57.81	\$16,880.52
CO 12.04	E. 33RD & SCOTT	LF	330	330	334.00	\$156.51	\$52,274.34
CO 13.01	ACCESS ROAD AT VETS	LS	1	1	1.00	\$10,575.00	\$10,575.00
CO13.02	SPOT REPAIR, 666 46TH	LS	1	1	1.00	\$9,464.00	\$9,464.00
CO13.03	HYDRO EXCAVATE, 666 46TH	LS	1	1	1.00	\$3,254.00	\$3,254.00
CO14.01	LINE LYNNER DR	LS	1	1	1.00	\$35,090.00	\$35,090.00
CO14.02	INCREASE LINER THICKNESS - COURT AVE	LS	1	1	1.00	\$20,460.00	\$20,460.00
CO14.03	SPECIAL SHAPE SEWER LINING, 680 LF	LS	1	1	1.00	\$75,000.00	\$75,000.00
CO 15	ADJUST CONTRACT ITEM AMOUNTS TO AS-BUILT QUANTITIES						
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS					\$3,813,273.38	
	PARTIAL PAYMENT NO. 1					\$152,299.25	
	PARTIAL PAYMENT NO. 2					\$276,805.60	
	PARTIAL PAYMENT NO. 3					\$588,002.06	
	PARTIAL PAYMENT NO. 4					\$399,899.12	
	PARTIAL PAYMENT NO. 5					\$614,699.16	
	PARTIAL PAYMENT NO. 6					\$553,893.34	
	PARTIAL PAYMENT NO. 7					\$282,195.02	
	PARTIAL PAYMENT NO. 8					\$431,805.15	
	PARTIAL PAYMENT NO. 9					\$40,370.96	
	PARTIAL PAYMENT NO. 10					\$205,780.31	

PROJECT: 2006 SANITARY SEWER LINING PROGRAM  
 CONTRACTOR: INSITUFORM TECHNOLOGIES, USA, INC.

PARTIAL PAYMENT NO. 13 (FINAL)

LINE NO.	DESCRIPTION	UNIT	UNITS		UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED		
	PARTIAL PAYMENT NO. 11		\$20,240.51			
	PARTIAL PAYMENT NO. 12		\$55,197.08			
	THIS PARTIAL PAYMENT		\$1,422.15			
	TOTAL PARTIAL PAYMENTS		\$3,622,609.71			
	BALANCE		\$190,663.67			
		Percent Complete	100%			
		TOTAL				\$3,813,273.38
		RETAINAGE				\$190,663.67
		TOTAL LESS RETAINAGE				\$3,622,609.71
		LESS PREVIOUS PAYMENT				\$3,621,187.56
		AMOUNT DUE				\$1,422.15

PARTIAL PAYMENT NO. 13 (FINAL)

PREPARED BY: *D. Henson*  
 CHECKED BY: *Ryan Spinning*