

DATE December 23, 2013

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT  
FOR 2012 SEWER LINING PROGRAM, SAK CONSTRUCTION, LLC**

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 2012 Sewer Lining Program, 07-2012-003, in accordance with the contract approved between SAK Construction, LLC, Boyd Hirtz, Vice President, 864 Hoff Road, O'Fallon, MO 63366, under Roll Call No. 11-1919, of November 7, 2011, 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 \$2,928,702.79 is the total cost, of which \$2,775,004.03 has been paid the Contractor, and \$65,837.68 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$87,861.08 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:

*Kathleen Vanderpool*  
Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE

*Scott E. Sanders*  
Scott E. Sanders  
Des Moines Finance Director

*SEB* Funding Source: 2013-2014 CIP, Page Sanitary - 11, Lining Sanitary Trunk and Lateral Sewers, SS049, Being: \$2,686,837.24 in Lining Sanitary Trunk and Lateral Sewers, Sanitary Sewer Bonds; and the remaining \$241,865.55 in Storm Water Utility Funds from SW057, City-wide Storm Water Utility Projects.

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MOORE				
VOSS				
TOTAL				
MOTION CARRIED	APPROVED			

**CERTIFICATE**

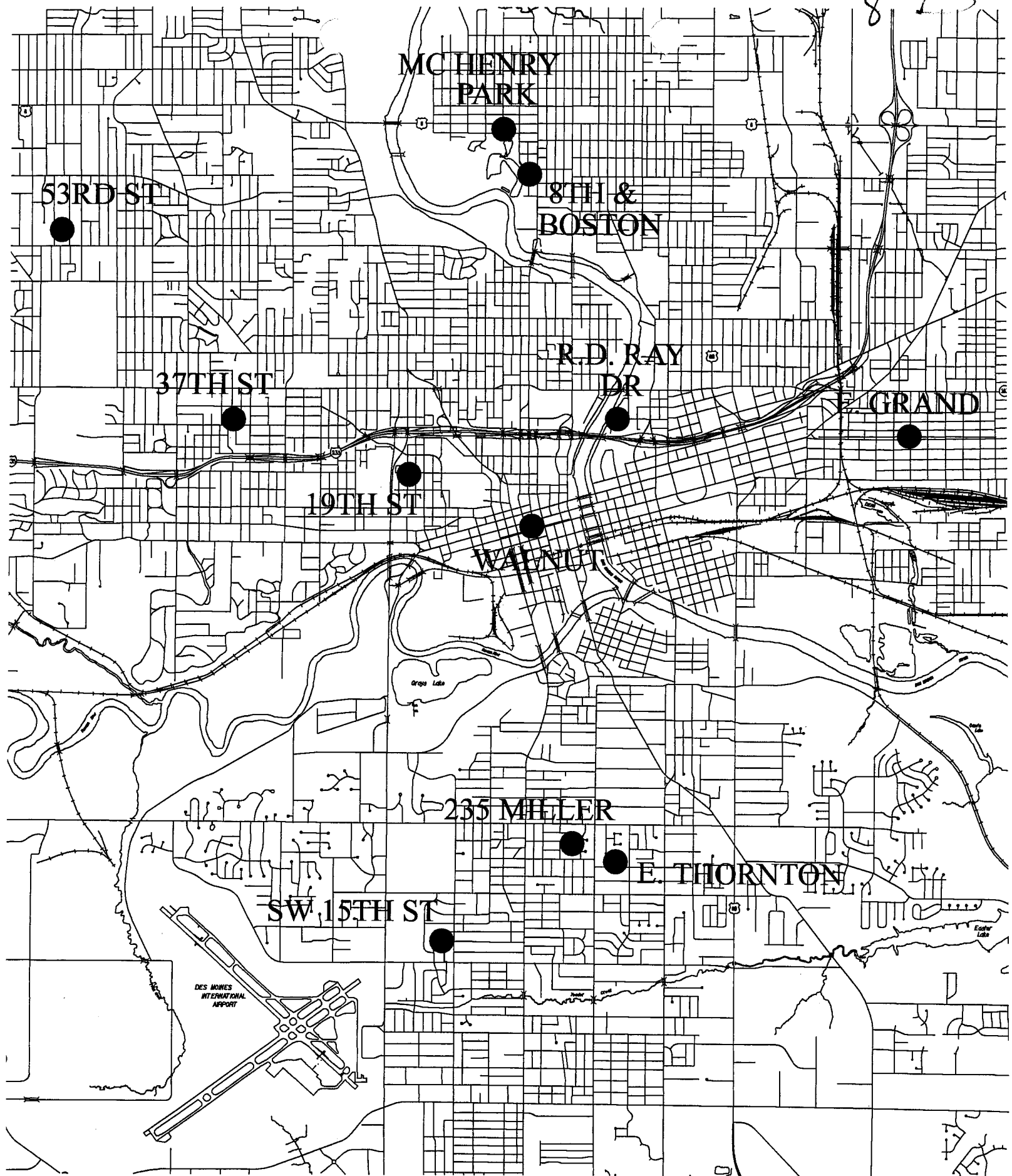
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

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

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Mayor

873





## PROJECT SUMMARY

### 2012 Sewer Lining Program

#### Activity ID 07-2012-003

On November 7, 2011, under Roll Call No. 11-1919, the Council awarded the contract for the above improvements to SAK Construction, LLC, in the amount of \$2,739,276.50. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	User	5/8/2012 Three sewer repairs at Indianola Ave. and Monona Ave. Pour manhole base at E. 2nd & Locust. Delete two sanitary manholes.	\$17,705.26
2	User	8/14/2012 Install 192 feet of 42" diameter sewer liner at the 2000 block of Dean Avenue, prior to railroad modification.	\$20,595.00
3	Contractor	10/15/2012 Remove & replace and additional 52 LF of 18" sewer due to cracking and partial collapse.	\$20,800.00
4	Contractor	11/26/2012 Change sewer cleaning for 48" brick sewer bid item to time and materials due to heavy debris and bricks. Delete three manholes.	\$16,370.00
5	Contractor	12/19/2012 Add three spot repairs on 10" sewer in E. Grand Avenue.	\$18,600.00
6	Contractor	2/14/2013 Install manhole north of Dean Avenue; delete 571 LF of 10" sewer lining and add 571 LF of 12" sewer lining.	\$15,288.10
7	User	11/5/2013 Line the 42" storm sewer at 33rd & Center.	\$23,261.00
8	User	11/21/2013 Install manhole, remove and replace existing manhole top, and provide flaggers.	\$19,955.00
9		Repair sewer service, abandon intakes, and place PCC caps.	\$16,478.00

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\$20,373.93

Adjust contract item amounts to as-built quantities.

**Original Contract Amount**

\$2,739,276.50

**Total Change Orders**

\$189,426.29

**Percent of Change Orders to Original Contract**

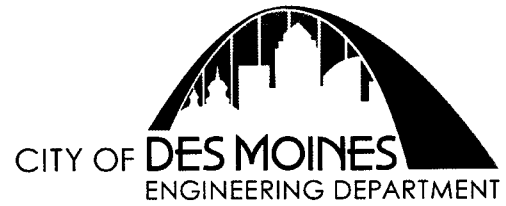
6.92%

**Total Contract Amount**

\$2,928,702.79

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December 23, 2013



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the 2012 Sewer Lining Program, SAK Construction, LLC.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$2,928,702.79 As-Built Contract Cost

Funding Source: 2013-2014 CIP, Page Sanitary - 11, Lining Sanitary Trunk and Lateral Sewers, SS049, Being: \$2,686,837.24 in Lining Sanitary Trunk and Lateral Sewers, Sanitary Sewer Bonds; and the remaining \$241,865.55 in Storm Water Utility Funds from SW057, City-wide Storm Water Utility Projects.

**CERTIFICATION OF COMPLETION:**

On November 7, 2011, under Roll Call No. 11-1919, the City Council awarded a contract to SAK Construction, LLC, Boyd Hirtz, Vice President, 864 Hoff Road, O'Fallon, MO 63366 for the construction of the following improvement:

2012 Sewer Lining Program, 07-2012-003

The improvement includes the renovation of 19,000 lineal feet of 8" through 60" diameter sanitary and storm sewers with cured-in-place pipe (CIPP), by-pass pumping, sewer repairs, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Numbers 535-32/48 at the following locations: 19th Street from Crocker Street to Pleasant Street, East Grand Avenue from East 19th Street to East 29th Street, Robert D. Ray Drive from University Avenue to Maple St., 8th Street at Boston Avenue, Walnut Street from 2nd Street to 10th Street, S.W. 15th Street from Lewis Avenue to Hackley Avenue, McHenry Park, East Thornton Avenue at House #36 to the north, 2501 53rd Street east to 51st Street, 37th Street from Kingman Boulevard to Cottage Grove Avenue, and 235 Miller Street north to Hughes Avenue, Des Moines, Iowa

I hereby certify that the construction of said 2012 Sewer Lining Program, Activity ID 07-2012-003, 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 November 14, 2011, and was completed on December 16, 2013.

8 B

I further certify that \$2,928,702.79 is the total cost of said improvement, of which \$2,775,004.03 has been paid the Contractor and \$65,837.68 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$87,861.08 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

**ENGINEERING DEPARTMENT  
CITY OF DES MOINES, IOWA**



**ESTIMATE OF CONSTRUCTION COMPLETED**

FOR WORK DONE FROM 6/6/13 to 12/9/13  
**PARTIAL PAYMENT NO. 15 (FINAL)**


**PROJECT: 2012 SEWER LINING PROGRAM  
CONTRACTOR: SAK Const.**

**Activity ID: 07-2012-003  
Date: 12/9/13**

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
1	CIPP LINER, 8" DIA.	LF	2,200.000	2,200.000	3,013.000	\$63,423.65
2	CIPP LINER, 10" DIA.	LF	4,850.000	4,850.000	3,251.000	\$88,589.75
3	CIPP LINER, 15" DIA.	LF	1,270.000	1,270.000	556.000	\$22,657.00
4	CIPP LINER, 18" DIA.	LF	4,750.000	4,750.000	4,603.000	\$238,205.25
5	CIPP LINER, 24" DIA.	LF	340.000	340.000	298.000	\$34,046.50
6	CIPP LINER, 30" DIA.	LF	420.000	420.000	592.000	\$74,740.00
7	CIPP LINER, 36" DIA.	LF	900.000	900.000	0.000	\$122.75
8	CIPP LINER, 48" DIA.	LF	1,450.000	1,450.000	2,272.000	\$207.50
9	CIPP LINER, 60" LINER	LF	2,600.000	2,600.000	2,297.000	\$307.00
10	SPOT REPAIR, SEWER, 8" TO 36" DIA.	EA	9.000	9.000	6.000	\$6,200.00
11	SPOT REPAIR, SEWER, 42" TO 60" DIA.	EA	5.000	5.000	1.560	\$6,600.00
12	MANHOLE, 48" DIA.	EA	6.000	6.000	2.000	\$14,660.00
13	MANHOLE REHAB., STRONG SEAL	EA	90.000	90.000	57.000	\$1,100.00
14	SEWER SERVICES, RECONNECT	EA	250.000	250.000	290.000	\$100.00
15	BY-PASS PUMPING	LS	1.000	1.000	1.000	\$151,000.00
16	CLEAN SEWER, 8" TO 36"	LF	14,730.000	14,730.000	12,135.000	\$4.30
17	CLEAN SEWER, 42" TO 60"	LF	4,050.000	4,050.000	2,445.000	\$21.00
18	CLEANINGS, SEWER	TON	160.000	160.000	232.940	\$37.00
19	CLEANINGS, CONTAMINATED	TON	50.000	50.000	112.680	\$80.00
20	TRAFFIC CONTROL	LS	1.000	1.000	1.000	\$20,000.00
21	PROJECT SIGN - SMALL	EA	1.000	1.000	1.000	\$1,000.00
22	RAISE MH TO GRADE	EA	6.000	6.000	1.550	\$5,000.00
23	19TH ST. SEWER REPLACEMENT	LF	190.000	190.000	526.400	\$400.00
24	NEW MH, ML KING & CARPENTER	LS	1.000	1.000	1.000	\$30,000.00
25	NEW MH, 19TH & CARPENTER	LS	1.000	1.000	1.000	\$30,000.00
26	MANHOLE, ENLARGE OPENING	EA	6.000	6.000	5.000	\$16,000.00
27	UNIFORMED POLICE OFFICERS	HR	95.000	95.000	48.500	\$50.00
28	MH, SANI., 19TH ST.	EA	2.000	2.000	2.000	\$17,000.00
29	PVMT., REM. & REPL.	SY	300.000	300.000	971.000	\$100.00

8 B

LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
CO 1.01	SPOT REPAIRS, INDIANOLA & MONONA	LS	1.000	1.000	1.000	\$42,767.16	\$42,767.16	
CO 1.02	MANHOLE BASE, E. 2ND & LOCUST	LS	1.000	1.000	1.000	\$4,258.10	\$4,258.10	
CO 2.01	192 LF OF 42" DIA. LINER	LS	1.000	1.000	1.000	\$54,915.00	\$54,915.00	
CO 4.01	CLEAN 48" SEWER, TIME & MATL.	LS	1.000	1.000	1.000	\$105,500.00	\$105,500.00	
CO 6.01	CIPP LINER, 12" DIA	LF	571.000	571.000	862.000	\$28.35	\$24,437.70	
CO7.01	42" X 52' CIPP LINER, STORM	LS	1.000	1.000	1.000	\$23,261.00	\$23,261.00	
CO8.01	REM. & REPL. TOP OF EXIST. MH	LS	1.000	1.000	1.000	\$3,300.00	\$3,300.00	
CO8.02	RAILROAD FLAGGERS	LS	1.000	1.000	1.000	\$1,995.00	\$1,995.00	
CO9.01	REPAIR SEWER SERVICE	LS	1.000	1.000	1.000	\$5,830.00	\$5,830.00	
CO9.02	TEMPORARY PCC CAPS	LS	1.000	1.000	1.000	\$7,568.00	\$7,568.00	
CO9.03	ABANDON INTAKES	LS	1.000	1.000	1.000	\$3,080.00	\$3,080.00	
CO10	ADJUST CONTRACT ITEM AMOUNTS TO AS-BUILT QUANTITIES							
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$2,928,702.79					
	PARTIAL PAYMENT NO. 1		\$216,210.50					
	PARTIAL PAYMENT NO. 2		\$115,045.00					
	PARTIAL PAYMENT NO. 3		\$83,434.30					
	PARTIAL PAYMENT NO. 4		\$179,369.74					
	PARTIAL PAYMENT NO. 5		\$435,678.53					
	PARTIAL PAYMENT NO. 6		\$276,206.80					
	PARTIAL PAYMENT NO. 7		\$224,219.62					
	PARTIAL PAYMENT NO. 8		\$92,561.28					
	PARTIAL PAYMENT NO. 9		\$227,171.43					
	PARTIAL PAYMENT NO. 10		\$11,035.74					
	PARTIAL PAYMENT NO. 11		\$183,815.00					
	PARTIAL PAYMENT NO. 12		\$643,812.70					
	PARTIAL PAYMENT NO. 13		\$60,819.00					
	PARTIAL PAYMENT NO. 14		\$25,624.39					
	THIS PARTIAL PAYMENT		\$65,837.68					
	TOTAL PARTIAL PAYMENTS		\$2,840,841.71					
	BALANCE		\$87,861.08					
	TOTAL					\$2,928,702.79		
	RETAINAGE					\$87,861.08		
	TOTAL LESS RETAINAGE					\$2,840,841.71		
	LESS PREVIOUS PAYMENT					\$2,775,004.03		
	AMOUNT DUE					\$65,837.68		

PREPARED BY: 

changed 3%

CHECKED BY: 

*Handwritten initials: JH*