

DATE September 10, 2012

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 33RD STREET SEWER SEPARATION, REILLY CONSTRUCTION CO., 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 33rd Street Sewer Separation, 07-2009-008, in accordance with the contract approved between Reilly Construction Co., Inc., Chris R. Reilly, President, 110 E. Main Street, PO Box 99, Ossian, IA 52161, under Roll Call No. 10-1167, of July 12, 2010, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

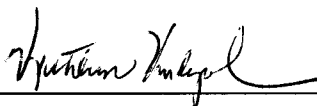
BE IT FURTHER RESOLVED: That \$1,861,403.14 is the total cost, of which \$1,750,500.79 has been paid the Contractor, and \$17,832.19 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$93,070.16 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

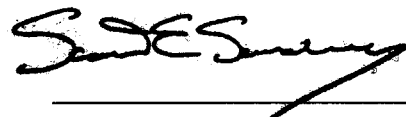
BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents to the Iowa Department of Natural Resources.

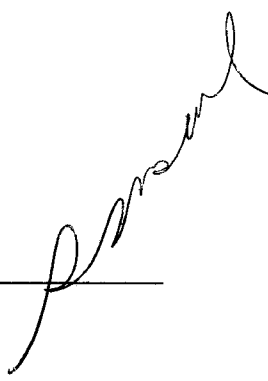
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.


Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

  
\_\_\_\_\_  
Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE  
  
\_\_\_\_\_  
Scott E. Sanders  
Des Moines Finance Director



Funding Source: 2012-2013 CIP, Page Sanitary - 8, CSS - 33rd Street Sewer Separation, SAE130, Being:  \$1,200,000 in HUD Disaster funds from the Iowa Department of Economic Development for 100% of construction costs associated with the 33rd Street Sewer Separation (\$1,200,000 maximum ) in Federal Jumpstart Infrastructure Assistance funds; \$22,986 - Des Moines Water Works; with the remaining \$638,417.14 in Sanitary Sewer Funds, SAE130.

08-DRI-034

★ **Roll Call Number**

**Agenda Item Number**

11C

DATE September 10, 2012

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

\_\_\_\_\_  
Mayor

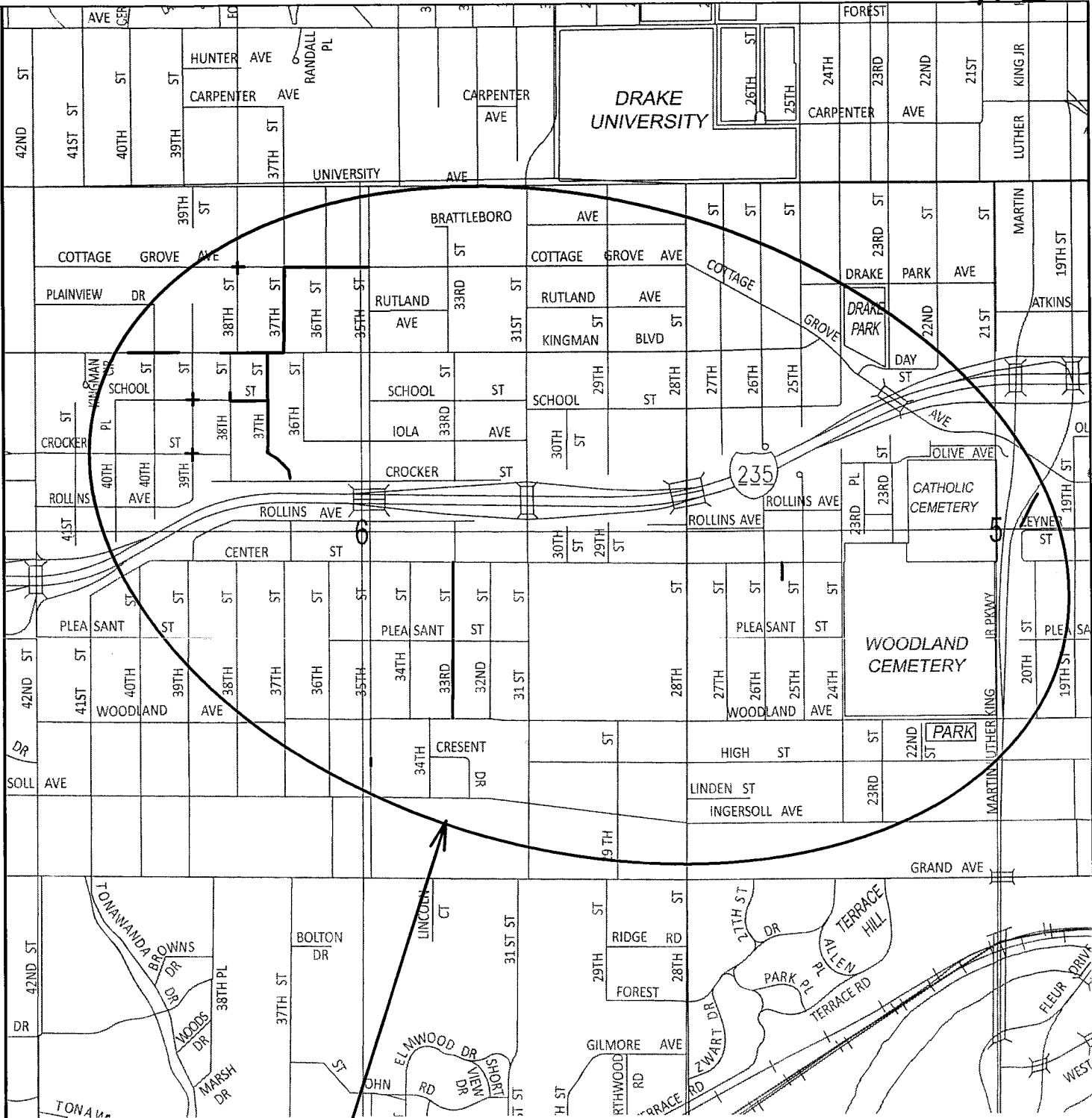
**CERTIFICATE**

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.

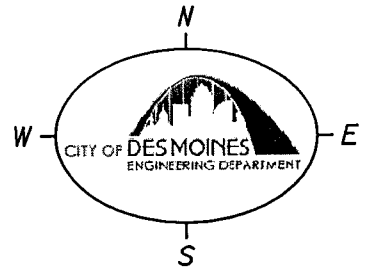
\_\_\_\_\_  
City Clerk

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**PROJECT  
LOCATION**



**33RD STREET SEWER SEPARATION  
ACTIVITY I.D. 07-2009-008**

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## PROJECT SUMMARY

### 33rd Street Sewer Separation

#### Activity ID 07-2009-008

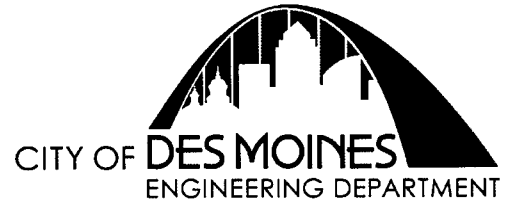
On July 12, 2010, under Roll Call No. 10-1167, the Council awarded the contract for the above improvements to Reilly Construction Co., Inc., in the amount of \$1,485,199.10. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	User	9/13/2010 Construct a new sanitary sewer on Merle Hay Rd. to replace the existing sanitary sewer and aging pump station, as approved by Council on 9/13/2010.	\$53,106.00
2	Consultant	1/6/2011 Modify installation of storm sewer facilities in 35th Street just north of Ingersoll Ave related to the relocation of three major utilities and unexpected utility conflicts.	\$16,882.50
3	User	1/13/2011 Relocate hydrant near the relocated 12" water main in 35th Street @ Ingersoll Ave. DMWW to be billed for work.	\$7,700.00
4	Consultant	3/9/2011 Seed in -lieu-of sod to save cost; provide traffic control flaggers as per City policy; and construct Type M-B Manhole to avoid unforeseen conflicts.	\$14,797.00
5	Contractor	10/3/2011 Add several extra work items, and 40 working days to the contract for this extra work as well as the additional work associated with change orders 1, 2 & 3.	\$16,922.00
6	Consultant	12/30/2011 Modify the pavement design for 37th Street from Kingman Blvd. to Cottage Grove Ave. to include total replacement rather than partial replacement due to extreme deterioration of the PCC base pavement.	\$23,033.15
7	Consultant	4/10/2012 Add additional sidewalk at several locations due to unforeseen sewer service replacement for code compliance.	\$21,112.00
8	City	4/19/2012	\$16,618.00

		Add minor modifications to the storm sewer and sanitary sewer collection systems to accomodate unforeseen conditions and to save costs.	
9	Consultant	5/7/2012 Additional directional boring placement of sewer to avoid existing trees and retaining wall; accomodation for unforeseen site conditions such as crumbling pavement, unstable soils, and non-compliant sewer and water service connections; abandonment of undocumented existing sewer.	\$187,318.87
10	City	6/21/2012 Extend sanitary sewer due to the discovery of undocumented sanitary connections to the storm sewer. Provide modified PCC boxouts in HMA pavement.	\$17,274.00
11	City	8/28/2012 Balance contract quantities to match as-constructed quantities for project close-out	\$1,440.52
		<b>Original Contract Amount</b>	\$1,485,199.10
		<b>Total Change Orders</b>	\$376,204.04
		<b>Percent of Change Orders to Original Contract</b>	25.33%
		<b>Total Contract Amount</b>	\$1,861,403.14 ✓

11c

September 10, 2012



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the 33rd Street Sewer Separation, Reilly Construction Co., Inc.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$1,861,403.14 As-Built Contract Cost

Funding Source: 2012-2013 CIP, Page Sanitary - 8, CSS - 33rd Street Sewer Separation, SAE130, Being: \$1,200,000 in HUD Disaster funds from the Iowa Department of Economic Development for 100% of construction costs associated with the 33rd Street Sewer Separation (\$1,200,000 maximum ) in Federal Jumpstart Infrastructure Assistance funds, with the remaining \$661,403.14 in Sanitary Sewer Funds, SAE130.

**CERTIFICATION OF COMPLETION:**

On July 12, 2010, under Roll Call No. 10-1167, the City Council awarded a contract to Reilly Construction Co., Inc., Chris R. Reilly, President, 110 E. Main Street, PO Box 99, Ossian, IA 52161 for the construction of the following improvement:

33rd Street Sewer Separation, 07-2009-008

This improvement includes the separation of the City's combined sanitary and storm sewer system at several locations west of downtown and in the proximity of I-235. The construction includes the installation of manholes, intakes, storm sewer piping and sanitary sewer piping and the replacement of street pavement, sidewalks, and other related items; all in accordance with the contract documents including Plan File Nos. 517 - 145/172. The project locations include 33rd Street from Woodland Avenue to Center Street, 37th Street from Crocker Street to Cottage Grove Avenue, Cottage Grove Avenue from 35th Street to 38th Street, Kingman Boulevard from 37th Street to 40th Place, M. L. King Jr. Parkway from Leyner Street to Crocker Street, the 2500 block of Center Street, and 35th Street north of Ingersoll Avenue, Des Moines, Iowa

I hereby certify that the construction of said 33rd Street Sewer Separation, Activity ID 07-2009-008, 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 September 13, 2010, and was completed on August 30, 2012.

I further certify that \$1,861,403.14 is the total cost of said improvement, of which \$1,750,500.79 has been paid the Contractor and \$17,832.19 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$93,070.16 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.

Handwritten signature of Jeb E. Brewer, P.E. in black ink, with a small 'P.E.' to the right of the signature.

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



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**VEENSTRA & KIMM, INC.**

1000 Westown Parkway • West Des Moines, Iowa 50266-1320

515-225-8000 • 515-225-7818(FAX) • 800-241-8000(WATS)

**PAY ESTIMATE NO. 11**

Date: **July 19 2012**

*Final*

Project Title		33 <sup>rd</sup> Street Sewer Separation Des Moines, IA Activity ID 07-2009-008			Contractor		Reilly Construction Company, Inc. 1675 NE 51 <sup>st</sup> Ave. Des Moines, IA 50313	
Orig. Contract Amount & Date		\$ 1,485,199.10	September 2010		Pay Period		May 3, 2011 to July 19, 2012	
BID ITEMS								
	Description	Unit	Orig bid Quantity	Unit Price	Original Bid Price	Final Quantity	Final Value	
1	Traffic Control	LS	1	\$ 7,200.00	\$ 7,200.00	100%	\$7,200.00	
2	Construction Staking	LS	1	\$ 5,750.00	\$ 5,750.00	108.7%	\$6,250.25	
				\$	\$		\$0.00	
3	Mobilization	LS	1	\$ 55,000.00	\$ 55,000.00	100%	\$55,000.00	
4	Project Sign, Large IDED	LS	1	\$ 1,800.00	\$ 1,800.00	100%	\$1,800.00	
5	Clearing and Grubbing	DI	161.0	\$ 30.00	\$ 4,830.00	211.4	\$6,342.00	
6	Tree Protection	LS	1	\$ 2,500.00	\$ 2,500.00	1	\$2,500.00	
7	Tree Protection Fence	LF	1.320	\$ 1.80	\$ 2,376.00	2626.1	\$4,726.98	
8	Removal of Existing Manhole/Intake	Ea.	29	\$1,500.00	\$ 43,500.00	29	\$43,500.00	
9	Removal of Existing Pavement	SY	7.032	\$7.50	\$ 52,740.00	9476.40	\$71,073.00	
10	Removal of Existing Driveway	SY	793	\$ 7.50	\$ 5,947.50	823.58	\$6,176.85	
11	Removal of Existing Sidewalk	SY	644	\$ 7.50	\$ 4,830.00	964.20	\$7,231.50	
				\$	\$			
12	Removal of Existing Pipe - Less than 36"	LF	412	\$ 18.50	\$ 7,622.00	603	\$11,155.50	
				\$	\$		\$	
13	Plug Existing Pipe	Ea.	34	\$ 1,000.00	\$ 34,000.00	41	\$41,000.00	
				\$	\$			
14	Flowable Mortar	CY	26	\$ 130.00	\$ 3,380.00	15	\$1,950.00	
15	Subgrade Core Out Excavation	CY	150	\$ 12.00	\$ 1,800.00	328.18	\$3,938.16	



**BID ITEMS**

	Description	Unit	Orig bid Quantity	Unit Price	Original Bid Price	Final Quantity	Final Value
16	Subgrade Replacement	SY	850	\$ 10.00	\$ 8,500.00	1,718.70	\$17,187.00
		SY		\$	\$		
17	Storm Sewer, 12" RCP, \ Class 3	LF	97	\$ 55.00	\$ 5,335.00	97	\$5,335.00
18	Storm Sewer, 15" RCP, Class 3	LF	685	\$ 55.00	\$ 37,675.00	685.0	\$37,675.00
19	Storm Sewer, 18" RCP, Class 3	LF	391	\$ 60.00	\$ 23,460.00	391	\$23,460.00
20	Storm Sewer, 21" RCP, Class 3	LF	290	\$ 65.00	\$ 18,850.00	290	\$18,850.00
21	Storm Sewer, 24" RCP, Class 3	LF	1,314	\$ 70.00	\$ 91,980.00	1,279	\$89,530.00
22	Storm Sewer, 42" RCP, Class 3	LF	72	\$ 140.00	\$ 10,080.00	72	\$10,080.00
23	Precast RCBC, 6' x 6', Single Cell	LF	62	\$ 612.50	\$ 37,975.00	62	\$37,975.00
24	Sanitary Sewer, 8" PVC Pipe	LF	799	\$ 65.00	\$ 51,935.00	779	\$50,635.00
				\$	\$		
25	Sanitary Sewer, 10" PVC Pipe	LF	643	\$ 70.00	\$ 45,010.00	621	\$43,470.00
26	Sanitary Sewer, 8" DI Pipe	LF	10	\$ 95.00	\$ 950.00	10	\$950.00
27	Sanitary Sewer, 10" DI Pipe	LF	10	\$ 105.00	\$ 1,050.00	10	\$1,050.00
28	Sanitary Sewer, 12" DI Pipe	LF	10	\$ 115.00	\$ 1,150.00	10	\$1,150.00
29	Directional Bored Sanitary Sewer, 8" Pipe	LF	89	\$ 75.00	\$ 6,675.00	573	\$42,975.00
				\$	\$		
				\$	\$		
30	4" Sanitary Service Pipe	LF	181	\$ 60.00	\$ 10,860.00	188	\$11,280.00
31	6" DI Sanitary Service Pipe	LF	451	\$ 65.00	\$ 29,315.00	840.50	\$54,632.50
				\$	\$		
32	Sanitary Service Connection	Ea.	19	\$ 1,500.00	\$ 28,500.00	41	\$61,500.00
				\$	\$		\$
33	Water Main, 8" Restrained Joint DI Pipe	LF	24	\$ 55.00	\$ 1,320.00	34.5	\$1,897.50
34	Water Main, 12" Restrained Joint DI Pipe	LF	24	\$ 80.00	\$ 1,920.00	53	\$4,240.00
35	Fittings, Water main	LF	1,300	\$ 9.50	\$ 12,350.00	963	\$9,148.50
36	Copper Water Service Relocation	Ea.	37	\$ 2,000.00	\$ 74,000.00	1	\$2,000.00
				\$	\$		
37	New Water Service	Ea.	15	\$ 2,500.00	\$ 37,500.00	20	\$50,000.00

**BID ITEMS**

	Description	Unit	Orig bid Quantity	Unit Price	Original Bid Price	Final Quantity	Final Value
				\$	\$		\$
38	Type M-A Intake, Cast in Place	Ea.	14	\$ 3,350.00	\$ 46,900.00	15	\$50,250.00
39	Type M-B Intake, 84" Dia., Cast in Place	Ea.	1	\$ 6,250.00	\$ 6,250.00	1	\$6,250.00
40	Type M-C Intake, Cast In Place	Ea.	1	\$ 4,200.00	\$ 4,200.00	1	\$4,200.00
41	Type M-C Intake Mod, Cast in Place	Ea.	1	\$ 8,250.00	\$ 8,250.00	1	\$8,250.00
42	Type M-E Intake Mod, Cast in Place	Ea.	1	\$ 9,500.00	\$ 9,500.00	1	\$9,500.00
43	Modify Existing intake	Ea.	5	\$ 1,250.00	\$ 6,250.00	4	\$5,000.00
44	Type M-A Storm Manhole, 48" Dia.	Ea.	5	\$ 4,500.00	\$ 22,500.00	5	\$22,500.00
45	Type M-A Storm Manhole, 60" Dia.	Ea.	4	\$ 6,000.00	\$ 24,000.00	4	\$24,000.00
46	MH Above RCBC	Ea.	1	\$ 2,750.00	\$ 2,750.00	1	\$2,750.00
47	Type A Sanitary Manhole	Ea.	10	\$ 3,500.00	\$ 35,000.00	12	\$42,000.00
				\$	\$		
48	Type I Sanitary Manhole, 72" Dia.	Ea.	1	\$ 5,500.00	\$ 5,500.00	1	\$5,500.00
49	Drop Connection	Ea.	3	\$ 4,000.00	\$ 12,000.00	3	\$12,000.00
50	Connection to Existing Intake	Ea.	9	\$ 1,800.00	\$ 16,200.00	9	\$16,200.00
51	Connection to Existing Manhole	Ea.	1	\$ 1,850.00	\$ 1,850.00	3	\$5,550.00
52	PCC Pavement, 7" C-4 Class 3	SY	2,772	\$ 36.75	\$ 101,871.00	4,188.75	\$153,936.56
53	PCC Pavement, 8" C-4 Class 3	SY	1,828	\$ 52.00	\$ 95,056.00	1,704.87	\$88,653.24
54	PCC Pavement, 9" C-4 Class 3	SY	686	\$ 65.50	\$ 44,933.00	710.80	\$46,557.40
55	PCC Pavement, 9" M-4 Class 3	SY	202	\$ 77.00	\$ 15,554.00	586.80	\$45,183.60
56	HMA (1M ESAL) Base, 3/4"	Tons	315	\$ 90.00	\$ 28,350.00	319.13	\$28,721.70
57	HMA (1M ESAL) Intermediat, 3/4"	Tons	315	\$ 90.00	\$ 28,350.00	318.00	\$28,620.00

**BID ITEMS**

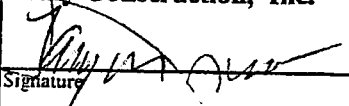
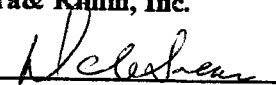
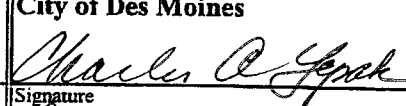
	Description	Unit	Orig bid Quantity	Unit Price	Original Bid Price	Final Quantity	Final Value
58	HMA (1M ESAL) Surf, ½", No Fric	Tons	1.136	\$ 95.00	\$ 107,920.00	1.169.80	\$111,131.00
59	Driveway. 6" C-4 PCC	SY	692	\$ 29.26	\$ 20,247.92	706.93	\$20,684.77
60	Driveway. 8" C-4 PCC	SY	29	\$ 29.00	\$ 841.00	163.80	\$4,750.20
61	Driveway. 9" C-4 PCC	SY	4	\$ 525.63	\$ 2,102.52	19.3	\$10,144.67
62	Driveway, 9" M-4 PCC	SY	63	\$ 65.38	\$ 4,118.94	63.08	\$4,124.17
63	Driveway, 6" HMA	SY	29	\$ 100.00	\$ 2,900.00	18.33	\$1,833.00
64	Class A Crushed Road Stone	Tons	32	\$ 25.00	\$ 800.00	308.90	\$7,722.50
65	HMA Milling	SY	3.482	\$ 5.00	\$ 17,410.00	3.482	\$17,410.00
66	Sidewalk, 4" PCC	SY	617	\$ 27.86	\$ 17,189.62	798.30	\$22,240.64
67	Sidewalk. 6" PCC	SY	28	\$ 104.70	\$ 2,931.60	181.40	\$18,992.58
68	Detectable Warning, Pre-Manufactured Panels	SF	264	\$ 22.00	\$ 5,808.00	300	\$6,600.00
69	Sod	SQ	400	\$ 35.00	\$ 14,000.00	446.20	\$15,617.00
70	Silt Fence and Pollution Prevention Plan	LS	1	\$ 4,000.00	\$ 4,000.00	1.00	\$4,000.00
	<b>TOTAL</b>		xxx	xxx	<b>\$1,485,199.10</b>		<b>\$1,695,737.77</b>

**SUMMARY**

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		Contract Price	Value Completed
Original Contract Price		\$ 1,485,199.10	\$ 1,695,737.77
Original Contract plus "A" Items		\$ 1,695,737.77	
Approved Change Order (list each)	No. 1	\$ 16,906.00	\$ 16,906.00
	No. 2	\$ 16,882.50	\$ 16,882.50
	No. 3	\$ 7,700.00	\$ 7,700.00
	No. 4	\$ 14,797.00	\$ 14,797.00
	No. 5	\$ 16,922.00	\$ 16,922.00
	No. 6	\$ 47,809.90	\$ 47,809.90
	No. 7	\$ 0.00	\$ 0.00
	No. 8	\$ 8,518.00	\$ 8,518.00
	No. 9	\$ 18,359.25	\$ 18,359.25
	No. 10	\$ 17,274.00	\$ 17,274.00
	No. 11	\$ 496.72	\$ 496.72
Revised Contract Price		\$ 1,861,403.14	\$ 1,861,403.14
Value of Completed Work and Materials Stored			\$ 1,861,403.14
Less Retained Percentage (5%)			\$ 93,070.16
Net Amount Due This Estimate			\$ 1,768,332.98
Less Estimate(s) Previously Approved	No. 1	\$ 114,847.88	
	2	\$ 125,220.92	
	3	\$ 192,388.82	
	4	\$ 123,538.45	
	5	\$ 175,467.09	
	6	\$ 157,404.14	
	7	\$ 195,662.72	
	8	\$ 298,112.35	
	9	\$ 152,245.58	
	10	\$ 215,612.84	
Total Previously Approved			\$ 1,750,500.79
Percent Complete	100%	Amount Due This Estimate \$ 17,832.19	

The amount \$17,832.19 is recommended for approval for payment in accordance with the terms of the Contract. The 5% retainage amount of \$93,070.16 can be paid 31 days after final acceptance of the project.

<b>Prepared By:</b> Reilly Construction, Inc.  Signature	<b>Recommended By:</b> Veenstra & Kimm, Inc.  Signature	<b>Approved By:</b> City of Des Moines  Signature
Title Vice President	Title Vice President	Title Project Engineer
Date 8/20/12	Date 27 Aug 2012	Date 28 Aug 2012