

DATE June 11, 2012

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR DEAN'S LAKE STORM SEWER CROSSING IMPROVEMENTS, 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 Dean's Lake Storm Sewer Crossing Improvements, 08-2009-005, 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. 10-1780, of October 25, 2010, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

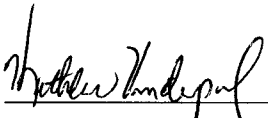
BE IT FURTHER RESOLVED: That \$1,291,263.26 is the total cost, of which \$1,221,821.85 has been paid the Contractor, and \$4,878.25 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$64,563.16 is to be paid at the end of thirty days, with funds 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.

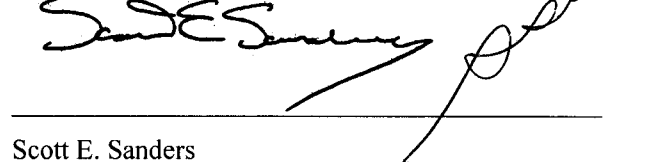
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.


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 Storm-8, Dean's Lake Pump Station/Conveyance Improvements, STE080, Storm Water Utility Funds, Being: \$1,287,375.26 in Storm Water Utility Bonds, and the remaining \$3,888 from the Des Moines Water Works for 8" water main construction (Bid Item No. 37 and Bid Item No. 39)

★ **Roll Call Number**

**Agenda Item Number**

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DATE June 11, 2012

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



## PROJECT SUMMARY

### Dean's Lake Storm Sewer Crossing Improvements

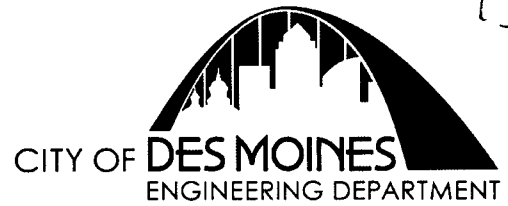
#### Activity ID 08-2009-005

On October 25, 2010, under Roll Call No. 10-1780, the Council awarded the contract for the above improvements to Reilly Construction Co., Inc., in the amount of \$1,397,952.00. Tabulated below is a history of project change orders.

<b>Change Order No.</b>	<b>Initiated By</b>	<b>Description</b>	<b>Amount</b>
1	User	3/29/2011 Install SUDAS section 6010, SW-301 Sanitary Manhole to coordinate with Corps of Engineers Central Place levee construction.	\$5,000.00
2	Contractor	5/2/2011 Additional set of stop logs in double 54" storm pipe inlet to BNSF storm utility crossing.	\$8,800.00
3	City	5/2/2012 Close out Change Order adjusting final bid item quantities to as-constructed measured quantities & paying for some minor additional traffic control items.	\$(120,488.74)
<b>Original Contract Amount</b>			\$1,397,952.00
<b>Total Change Orders</b>			\$(106,688.74)
<b>Percent of Change Orders to Original Contract</b>			(7.63)%
<b>Total Contract Amount</b>			\$1,291,263.26

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June 11, 2012



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the Dean's Lake Storm Sewer Crossing Improvements, 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: \$1,291,263.26 As-Built Contract Cost

Funding Source: 2012-2013 CIP, Page Storm-8, Dean's Lake Pump Station/Conveyance Improvements, STE080, Storm Water Utility Funds, Being: \$1,287,375.26 in Storm Water Utility Bonds, and the remaining \$3,888 from the Des Moines Water Works for 8" water main construction (Bid Item No 37 and 220 lbs of fittings under Bid Item No.39)

**CERTIFICATION OF COMPLETION:**

On October 25, 2010, under Roll Call No. 10-1780, 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:

Dean's Lake Storm Sewer Crossing Improvements, 08-2009-005

The improvement includes construction of two 8' x 4' box culverts under existing streets, pavement removal and replacement, 54" and 60" storm sewer bored casing pipe under existing railroad tracks, replacement of existing pavement, sidewalks, intakes, storm sewer, and water mains in accordance with the contract documents, including Plan File Nos. 524-138/176 at the following locations: Norfolk Southern & BNSF Dean's Lake Crossing South of Maury Avenue, Maury Street Dean's Lake Crossing, Market Street Dean's Lake Crossing, Union Pacific Dean's Lake Crossing in the SE 1/4 of Section 2, Township 78 N, Range 24 W, Des Moines, Iowa

I hereby certify that the construction of said Dean's Lake Storm Sewer Crossing Improvements, Activity ID 08-2009-005, 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 February 10, 2011, and was completed on May 15, 2012.

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I further certify that \$1,291,263.26 is the total cost of said improvement, of which \$1,221,821.85 has been paid the Contractor and \$4,878.25 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$64,563.16 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.



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

**ESTIMATE OF WORK COMPLETED**  
**2 WORK DONE 1/01/12 TO 04/27/12**  
**PARTIAL PAYMENT NO. 101 & FINAL**

PROJECT: Dean's Lake Storm Sewer Crossing Improvements

ITEM	DESCRIPTION	UNIT	AUTOR QUANTITY	TOTAL CONSTRUCTED TO DATE	UNIT PRICE	AMOUNT
1	Traffic Control	LS	1	1.00	\$10,750.00	\$10,750.00
2	Temporary Barrier Rail (Precast Concrete)	LF	837.5	837.50	\$15.00	\$12,562.50
3	Temporary Traffic Signals	LS	1	1.00	\$6,000.00	\$6,000.00
4	Temporary Pavement	SY	1162.42	1,162.42	\$40.00	\$46,496.80
5	Temporary Pavement Markings	STA	0.6	0.60	\$102.50	\$61.50
6	Railroad Protective Insurance - Union Pacific Railroad	LS	1	1.00	\$2,500.00	\$2,500.00
7	Railroad Protective Insurance - Burlington Northern Santa Fe Railroad	LS	1	1.00	\$2,500.00	\$2,500.00
8	Railroad Protective Insurance - Norfolk Southern Railroad	LS	1	1.00	\$2,500.00	\$2,500.00
9	Railroad Flaggers - Union Pacific Railroad	DAY	12	12.00	\$1,250.00	\$15,000.00
10	Railroad Flaggers - Burlington Northern Santa Fe Railroad	DAY	0		\$1,250.00	
11	Railroad Flaggers - Norfolk Southern Railroad	DAY	1	1.00	\$1,250.00	\$1,250.00
12	Mobilization	LS	1	1.00	\$90,000.00	\$90,000.00
13	Construction Staking	LS	1	1.00	\$5,000.00	\$5,000.00
14	Project Sign, Small	EA	1	1.00	\$100.00	\$100.00
15	Clearing And Grubbing	LS	1	1.00	\$32,500.00	\$32,500.00
16	Topsoil Furnish	CY	400	400.00	\$30.00	\$12,000.00
17	Class 13 Excavation	CY	4014	4,014.00	\$12.50	\$50,175.00
18	Structure Removal	EA	1	1.00	\$750.00	\$750.00
19	Pavement Removal/Disposition	SY	2653.27	2,653.27	\$10.00	\$26,532.70
20	Sidewalk/Driveway Removal/Disposition	SY	52	52.00	\$10.00	\$520.00
21	Modified Subbase (6" Thickness)	SY	0		\$22.00	
22	Modified Subbase (12" Thickness)	SY	1979.65	1,979.65	\$13.50	\$26,725.28
23	Pipe Removal, 24" CMP	LF	139	139.00	\$16.00	\$2,224.00
24	Pipe Removal, 24" RCP	LF	184	184.00	\$17.50	\$3,220.00
25	Pipe Removal, 36" RCP	LF	86	86.00	\$20.00	\$1,720.00
26	Select Clay Backfill	CY	800	800.00	\$15.00	\$12,000.00
27	Over-Excavation And Trench Stabilization	CY	72.33	72.33	\$15.00	\$1,084.95
28	Trench Bottom Stabilization Material	TON	281.75	281.75	\$30.00	\$8,452.50
29	Granular Bedding	TON	191	191.00	\$30.00	\$5,730.00
30	Sheet Pile (Temporary)	LS	1	1.00	\$65,000.00	\$65,000.00
31	Jacking Casing Pipe, 54" Steel Pipe	LF	372	372.00	\$700.00	\$260,400.00
32	Jacking Casing Pipe, 60" Steel Pipe	LF	90	90.00	\$900.00	\$81,000.00
33	Sewer, Storm, 24" Rcp Class IV	LF	115	115.00	\$65.00	\$7,475.00
34	Pipe Apron, 24" Fes With Apron Guard	EA	1	1.00	\$1,600.00	\$1,600.00

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ITEM	DESCRIPTION	UNIT	AUTOR QUANTITY	TOTAL CONSTRUCTED		UNIT PRICE	AMOUNT
				TO DATE			
35	Precast Concrete Box Culvert, 8'X4'	LF	144	144.00		\$550.00	\$79,200.00
36	Precast Concrete Box Culvert End Section, 8'X4'	EA	2	2.00		\$5,500.00	\$11,000.00
37	Water Main, 8", PVC C900	LF	32.8	32.80		\$85.00	\$2,788.00
38	Water Main, 16", DIP W/ Restrained Joints And Nitrile Gaskets	LF	413	413.00		\$135.00	\$55,755.00
39	Fittings, Water Main	LBS	2098	2,098.00		\$5.00	\$10,490.00
40	Gate Valve, 16"	EA	1	1.00		\$6,000.00	\$6,000.00
41	Structural Concrete	CY	48.9	48.90		\$1,000.00	\$48,900.00
42	Reinforcing Steel	LBS	6230	6,230.00		\$1.10	\$6,853.00
43	Inlet Headwall Structure	EA	1	1.00		\$56,000.00	\$56,000.00
44	Trash Racks	EA	3	3.00		\$8,625.00	\$25,875.00
45	Manhole, Storm, 60" Dia Type M-A	EA	1	1.00		\$4,000.00	\$4,000.00
46	Intake, Double, M-D	EA	1	1.00		\$4,500.00	\$4,500.00
47	Intake, Double, M-E	EA	1	1.00		\$7,000.00	\$7,000.00
48	Intake, Single, M-G	EA	1	1.00		\$4,500.00	\$4,500.00
49	PCC Pavement, 10" Class C	SY	1113.55	1,113.55		\$53.15	\$59,185.18
50	PCC Pavement, 10" Class C Single Reinforced	SY	394.72	394.72		\$65.00	\$25,656.80
51	PCC Pavement, 6" Class C Reinforced	SY	71.5	71.50		\$45.00	\$3,217.50
52	Curb And Gutter, 30", Class C PCC	LF	381	381.00		\$28.00	\$10,668.00
53	Granular Surfacing Material	TON	0	0.00		\$20.00	
54	Granular Shoulder, Class D	TON	37.81	37.81		\$25.00	\$945.25
55	Sidewalk, 4" Class C	SY	45.77	45.77		\$40.00	\$1,830.80
56	PCC Flume, 6" Class C Reinforced	SY	25.24	25.24		\$50.00	\$1,262.00
57	Seeding, Type 1, Lawn Mixture	ACRE	1.1	1.10		\$2,500.00	\$2,750.00
58	Seeding, Type 2, Erosion Control Mix	ACRE	1,304	1,304		\$1,500.00	\$1,956.00
59	Silt Fence	LF	1830	1,830.00		\$1.75	\$3,202.50
60	Erosion Control	LS	1	1.00		\$4,000.00	\$4,000.00
61	Revetment Stone, Class D	TON	318.66	318.66		\$50.00	\$15,933.00
62	Fence, Chain Link, 4'	LF	90	90.00		\$75.00	\$6,750.00
63	Gate, Chain Link	EA	2	2.00		\$600.00	\$1,200.00
64	Concrete Steps	SF	128	128.00		\$45.00	\$5,760.00
65	Handrail	LF	54	54.00		\$60.00	\$3,240.00
66	Flowable Mortar	CY	76	76.00		\$150.00	\$11,400.00
	<b>Change Orders</b>						
1.01	SW-301 Sanitary manhole	LS	1	1.00		\$5,000.00	\$5,000.00
2.01	Stop Log Assembly, Installed (additional)	LS	1	1.00		\$8,800.00	\$8,800.00
3.01	Sign on Type III barricade	LS	1	1.00		\$275.00	\$275.00
3.02	Additional CMS sign time on Market	LS	1	1.00		\$1,540.00	\$1,540.00

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ITEM	DESCRIPTION	UNIT	AUTOR QUANTITY	TOTAL CONSTRUCTED TO DATE	UNIT PRICE	AMOUNT
	TOTAL CONSTRUCTION COST					\$1,291,263.26
	LESS ANTICIPATED LIQUIDATED DAMAGES (CALENDAR DAYS X \$500)				0	\$0.00

TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS	\$1,291,263.26
Partial Payment No. 1	\$8,312.50
Partial Payment No. 2	\$272,925.50
Partial Payment No. 3	\$111,737.10
Partial Payment No. 4	\$31,292.52
Partial Payment No. 5	\$85,317.22
Partial Payment No. 6	\$160,774.87
Partial Payment No. 7	\$158,245.62
Partial Payment No. 8	\$206,778.69
Partial Payment No. 9	\$110,255.28
Partial Payment No. 10	\$76,182.55
This Partial Payment No. 11	\$4,878.25

Total Partial Payments	\$1,226,700.10	TOTAL	\$1,291,263.26
Remaining to be Paid	\$64,563.16	RETAINED	\$64,563.16
Percent Completion	100.00%	TOTAL LESS RETAINAGE	\$1,226,700.10
		LESS PREVIOUS PAYMENT	\$1,221,821.85
		AMOUNT DUE	\$4,878.25

Prepared By: Bruce Rydberg  
  
 Checked By: \_\_\_\_\_