

★ **Roll Call Number**

Agenda Item Number

13 C

DATE January 25, 2016

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR SE 4TH & SHAW STREETS STORM WATER PUMP STATION, STORY CONSTRUCTION CO.**

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 SE 4th & Shaw Streets Storm Water Pump Station, 08-2011-006, in accordance with the contract approved between Story Construction Co., Patrick L. Geary, Chief Operating Officer, 300 South Bell Avenue, Ames, IA 50010, under Roll Call No. 13-1766, of November 4, 2013, 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 \$2,138,999.75 is the total cost, of which \$2,115,683.00 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$23,316.75 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.

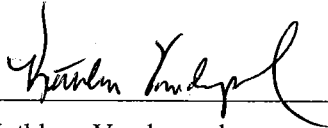
BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents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

FUNDS AVAILABLE

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

   
\_\_\_\_\_  
Daniel E. Ritter  
Des Moines Finance Director

*ASE* Funding Source: 2015-2016, Page Storm - 12, Storm Water Pump Station Imp. - SE 4th Street, SM132, Being: \$2,000,000 in HUD Disaster funds from the Iowa Department of Economic Development (08-DRIF-258) for 100% of construction costs associated with the S.E. 4th Street Stormwater Pump Station (\$2,000,000 maximum) in Federal Jumpstart Infrastructure Assistance funds, and the remaining \$138,999.75 in Stormwater Utility Funds from SM132

08-DRIF-258

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COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				

**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.

MOTION CARRIED APPROVED

\_\_\_\_\_  
Mayor

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



## PROJECT SUMMARY

### SE 4th & Shaw Streets Storm Water Pump Station

#### Activity ID 08-2011-006

On November 4, 2013, under Roll Call No. 13-1766, the Council awarded the contract for the above improvements to Story Construction Co., in the amount of \$2,112,500.00. 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	Consultant	4/8/2014 Added a fiberglass safety grate at the access hatch location of the pump station structure; eliminate one vibration monitoring equipment charge, and two 8" bollards.	\$(741.00)
2	City	5/8/2014 Additional levee access gate; add a concrete weed barrier along the perimeter site fence.	\$7,484.00
3	City	11/24/2014 Add erosion stone at inlets for added protection adjacent to security fence; upgrade gatewell level sensor to a Multitrode sensor that is more dependable for turbulent flow conditions.	\$19,756.75
<b>Original Contract Amount</b>			\$2,112,500.00
<b>Total Change Orders</b>			\$26,499.75
<b>Percent of Change Orders to Original Contract</b>			1.25%
<b>Total Contract Amount</b>			\$2,138,999.75

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January 25, 2016



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the SE 4th & Shaw Streets Storm Water Pump Station, Story Construction Co.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$2,138,999.75 As-Built Contract Cost

Funding Source: 2015-2016, Page Storm - 12, Storm Water Pump Station Imp. - SE 4th Street, SM132, Being: \$2,000,000 in HUD Disaster funds from the Iowa Department of Economic Development (08-DRIEF-258) for 100% of construction costs associated with the S.E. 4th Street Stormwater Pump Station (\$2,000,000 maximum) in Federal Jumpstart Infrastructure Assistance funds, and the remaining \$138,999.75 in Stormwater Utility Funds from SM132

**CERTIFICATION OF COMPLETION:**

On November 4, 2013, under Roll Call No. 13-1766, the City Council awarded a contract to Story Construction Co., Patrick L. Geary, Chief Operating Officer, 300 South Bell Avenue, Ames, IA 50010 for the construction of the following improvement:

SE 4th & Shaw Streets Storm Water Pump Station, 08-2011-006

The Improvement includes the construction of a stormwater pump station that includes two (2) pumps, also all labor, material and equipment necessary for excavation and backfill, force mains, connection to and modification of gatewell structure, control building, mechanically cleaned bar screen, standby generator, earthwork, sitework along with the necessary recreation trail realignment, and miscellaneous associated work including cleanup and other incidental items; all in accordance with the contract documents including Plan File Nos. 553-180/203 at 626 SE 4th Street, Des Moines, Iowa

I hereby certify that the construction of said SE 4th & Shaw Streets Storm Water Pump Station, Activity ID 08-2011-006, 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 December 9, 2013, and was completed on January 12, 2016.

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I further certify that \$2,138,999.75 is the total cost of said improvement, of which \$2,115,683.00 has been paid the Contractor and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$23,316.75 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.

*Pamela S. Cooksey*

Pamela S. Cooksey, P.E.  
Des Moines City Engineer

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

**ESTIMATE OF CONSTRUCTION COMPLETED  
FOR WORK DONE FROM 3/01/15 to 08/28/15  
PARTIAL PAYMENT NO. FINAL**

**Proj No: 08-DRIEF-258  
Activity ID: 08-2011-006  
Date: 09/03/15**

**PROJECT: SE 4TH & SHAW STREETS STORM WATER PUMP STATION  
CONTRACTOR: STORY CONSTRUCTION CO.**

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1a	Bonds & Insurance				100.000000%	\$20,000.00	\$20,000.00
1b	General Conditions				100.000000%	\$257,500.81	\$257,500.81
1c	Reinforcing Steel				100.000000%	\$93,000.00	\$93,000.00
1d	Concrete				100.000000%	\$179,000.00	\$179,000.00
1e	Sheeting Operations				100.000000%	\$60,000.00	\$60,000.00
1f	Dewatering Operations				100.000000%	\$60,000.00	\$60,000.00
1g	Waterproofing				100.000000%	\$7,000.00	\$7,000.00
1h	FRP Assemblies				100.000000%	\$13,000.00	\$13,000.00
1i	Control Building				100.000000%	\$1,000.00	\$1,000.00
1j	Mechanical Bar Screen				100.000000%	\$372,000.00	\$372,000.00
1k	Misc. Metals, Hatches, Stairs, Guardrails, PRV Valves & Wall Sleeves				100.000000%	\$9,000.00	\$9,000.00
1l	Coatings				100.000000%	\$8,000.00	\$8,000.00
1m	Submersible Pumps and Hardware				100.000000%	\$4,000.00	\$4,000.00
1n	Sluice Gates & Operator				100.000000%	\$48,000.00	\$48,000.00
1o	Electrical & Controls				100.000000%	\$248,000.00	\$248,000.00
1	Stormwater Pump Station	LS	1.000	1.000	100.000000%	\$1,379,500.81	\$1,379,500.81
2	Submersible Pumps and Hardware	LS	1.000	1.000	1.000	\$139,936.00	\$139,936.00
3	Emergency Engine Generator	LS	1.000	1.000	1.000	\$112,144.79	\$112,144.79
4	Electrical Service	LS	1.000	1.000	1.000	\$7,000.00	\$7,000.00
5	Mobilization	LS	1.000	1.000	1.000	\$42,500.00	\$42,500.00
6	Project Sign	LS	1.000	1.000	1.000	\$1,200.00	\$1,200.00
7	Topsoil, Strip, Salvage & Respread	CY	330.000	330.000	330.000	\$5.40	\$1,782.00
8	Off-Site Topsoil	CY	1,030.000	1,073.000	1,073.000	\$37.00	\$39,701.00
9	Excavation, Class 10	LS	1.000	1.000	1.000000	\$122,715.00	\$122,715.00
10	Subgrade Preparation	SY	1,550.000	1,550.000	1,550.000	\$2.34	\$3,627.00
11	Removal of Utility Access Casting	EACH	2.000	2.000	2.000	\$550.00	\$1,100.00
12	Security Fence	LF	467.000	467.000	467.000	\$20.70	\$9,666.90
13	Force Main, 24 In. DI	LF	404.000	404.000	404.00000	\$213.75	\$86,355.00
14	Storm Sewer, Trenched, Class 3 RCP, 15 In.	LF	222.000	222.000	222.0000	\$54.25	\$12,043.50
15	Storm Sewer, Trenched, Class 3 RCP Apron, 15 In.	EACH	4.000	4.000	4.000	\$416.50	\$1,666.00
16	Storm Sewer, Trenched, Class 4 RCP, 48 In.	LF	38.000	38.000	38.000000	\$374.50	\$14,231.00
17	Manhole, Storm Sewer, SW-401, 120 In.	EACH	1.000	1.000	1.000	\$24,900.00	\$24,900.00
18	Intake, SW-504	EACH	1.000	1.000	1.000	\$6,025.00	\$6,025.00
19	PCC Pavement, 8 In.	SY	670.000	670.000	670.000	\$52.50	\$35,175.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
20	Granular Surfacing, 8 In.	SY	116.000	116.000	116.000	\$12.50	\$1,450.00
21	Recreational Trail, HMA, 6 In.(300K)	SY	470.000	572.000	572.000	\$42.50	\$24,310.00
22	Recreational Trail Removal	SY	105.000	365.000	365.000	\$9.00	\$3,285.00
23	Sidewalk, P.C. Concrete, 6 In	SY	4.000	4.000	4.000	\$94.00	\$376.00
24	End of Roadway Marker, IDOT SI-182	EACH	6.000	6.000	6.000	\$127.50	\$765.00
25	Seeding, Fertilizing and Mulching, by Hydraulic Application	SQ	586.000	621.500	621.500	\$5.50	\$3,418.25
26	Stormwater Pollution Prevention	LS	1.000	1.000	1.000000	\$11,258.00	\$11,258.00
27	Silt Fence	LF	700.000	700.000	700.000	\$3.00	\$2,100.00
28	Gatewell Modification	LS	1.000	1.000	1.000000	\$19,300.00	\$19,300.00
29	Traffic Control	LS	1.000	1.000	1.000	\$4,930.00	\$4,930.00
30	Testing	LS	1.000	1.000	1.000000	\$6,000.00	\$6,000.00
31	Construction Survey	LS	1.000	1.000	1.000	\$2,500.00	\$2,500.00
Change Orders							
1.01	CR-01, Delete one vibration monitoring location	LS	0.000	1.000	1.000	(\$725.00)	(\$725.00)
1.02	CR-02, Delete Balards, S. Side Pump Sta	LS	0.000	1.000	1.000	(\$500.00)	(\$500.00)
1.03	CR-03, Hinged fiberglass grate at access hatch	LS	0.000	1.000	1.000	\$484.00	\$484.00
2.01	CR-04, Chain Link pedestrian access gate, 4 ft	LS	0.000	1.000	1.000	\$881.00	\$881.00
2.02	CR-05, PCC, 4" thick, 18" wide reinforced fence weed barrier	LS	0.000	1.000	1.000	\$6,603.00	\$6,603.00
3.01	CR-07R1 additional conduit to Sanitary sluice gate structure	LS	0.000	1.000	1.000	\$2,986.00	\$2,986.00
3.02	CR-08, installation of revised outlet gatewell Multitrode level sensor	LS	0.000	1.000	1.000	\$5,014.00	\$5,014.00
3.03	CR-10R1, Eroision Stone around Storm FES inlets	LS	0.000	1.000	65.910	\$50.00	\$3,295.50
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$2,138,999.75				
PARTIAL PAYMENT 1			\$153,292.98				
PARTIAL PAYMENT 2			\$173,636.84				
PARTIAL PAYMENT 3			\$158,750.59				
PARTIAL PAYMENT 4			\$148,492.01				
PARTIAL PAYMENT 5			\$490,610.48				
PARTIAL PAYMENT 6			\$378,972.49				
PARTIAL PAYMENT 7			\$304,720.24				
PARTIAL PAYMENT 8			\$223,233.02				
PARTIAL PAYMENT 9			\$30,190.76				
PARTIAL PAYMENT 10			\$5,391.26				
PARTIAL PAYMENT 11			\$48,392.33				
THIS PARTIAL PAYMENT NO. FINAL			\$0.00				
TOTAL PARTIAL PAYMENTS			\$2,115,683.00				
BALANCE			\$23,316.75				

% Complete 100.00%

PREPARED BY: RDE

CHECKED BY: \_\_\_\_\_

PARTIAL PAYMENT NO. FINAL

TOTAL	\$2,138,999.75
RETAINAGE	\$23,316.75
TOTAL LESS RETAINAGE	\$2,115,683.00
LESS PREVIOUS PAYMENT	\$2,115,683.00
AMOUNT DUE	\$0.00

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