

May 19, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

**Subject: Water and Waste Water System Improvements
North Central Ag Park Expansion-Water System Improvements
2011, Phase C: Ag Park Ground Storage and Booster Pump
Station-Pay Estimate #16 Final & Statement of Final Completion**



ACTION: For vote Tuesday, May 27, 2014

Brief History

Since March, 2011 City Staff has been working with Cargill representatives regarding water and wastewater infrastructure needs for the North Central Ag Park. City Staff has also been working with CJ America since April, 2011 regarding their water and wastewater infrastructure needs. On April 25, 2011, the Council approved contracts with McClure Engineering and US Water Utility Group to complete a Water and Wastewater System Evaluation Study and Conceptual Master Plan. The draft System Evaluation Study information was presented to Council on October 24, 2011 and the draft Conceptual Master Plan was presented to Council on November 7, 2011. In order to accommodate the water needs and wastewater loadings from Cargill and CJ America, the City's water and wastewater infrastructure needs to be expanded. The proposed projects will require extensive design work, construction administration, and financial administration. Council approved a contract with McClure Engineering on November 14, 2011. The contract included services for 4 phases:

Phase A - Raw Water Source

Phase B - Water Treatment Plant

Phase C – Ag Park Ground Storage and High Service Pumping

Phase D – Waste Water Treatment Plant

A bid letting of July 11, 2012 at 2:00 p.m. was set to receive bids for this Phase of the project. The Engineer's Estimate of Cost for this Phase is \$3,852,000. A public hearing was held on June 25, 2012 to approve the plans and specifications, form of contract and estimate of costs for this Phase. A bid letting was held on July 11, 2012 at 2:00 p.m. On Monday, August 13, 2012 Council approved a contract with Di-Mar Construction in the amount of \$4,670,000.

The Contractor, Di-Mar Construction, has completed the work specified in the contract documents. The Statement of Substantial Completion, submitted by McClure Engineering, was approved on October 28, 2013. Pay Estimate #14 Sub-final was approved for payment to Di-Mar Construction in the amount of \$188,306.23 on December 16, 2013. Change Order #1, approved by Council on January 13, 2014,

includes adjustments to as built quantities resulting in a reduction to the contract in the amount of \$59,590.35 therefore changing the contract amount to \$4,610,409.65. Pay Estimate #15 Sub-final was approved on January 27th, 2014 to Di-Mar Construction in the amount of \$59,555.00.

Analysis of Issue

The project is complete. Attached is the Statement of Final Completion for approval. The final cost of the project was \$4,610,409.65. Pay Estimate #16 Final is now due to Di-Mar Construction in amount of \$50,000.

Budget Impact

These services will be paid by Water SRF Loans and will be paid for by water funds. This Phase of the project will be included in the large Ag Park expansion loan.

Strategic Plan Impact

Policy D.4.2: Advanced planning for all infrastructure facilities shall be supported and routinely updated. Facilities benefited by advanced planning shall include, at minimum, schools, health care, residential areas, roads, water, sewer, storm water management, parks, recreation, and greenways.

Policy D.4.1: Recognizing that infrastructure has a powerful influence on growth and development, the availability of infrastructure (along with other factors) should determine where development will occur in the city, rather than the other way around.

Impact on Existing Plans

None

Committee Review / Recommendation

This project has been discussed at several council meetings and workshops.

Staff Conclusions / Recommendations

It is our recommendation to approve the Statement of Final Completion and Pay Estimate #16, Final, and payment to Di-Mar Construction in the amount of \$50,000.00.

Alternatives

None.

Implementation and Accountability

McClure Engineering will be responsible for overseeing this project.

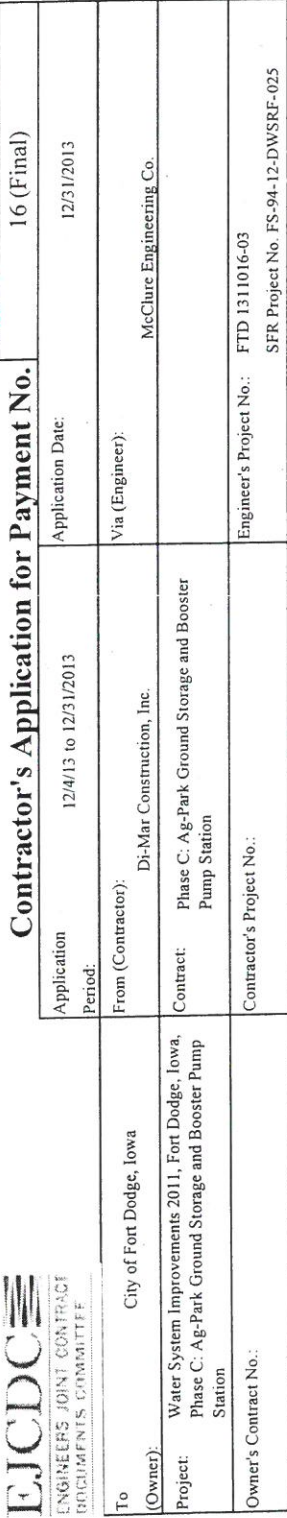
Signed

Approved



Chad W. Schaeffer, P.E.
City Engineer

David Fierke
City Manager



16 (Final)

16 (Final)

12/4/13 to 12/31/2013

Application Date:

12/31/2013

Di-Mar Construction, Inc.

Via (Engineer):

City of Fort Dodge, Iowa

Di-Mar Construction, Inc.

McClure Engineering Co.

Project: Water System Improvements 2011, Fort Dodge, Iowa,
Phase C: Ag-Park Ground Storage and Booster Pump
Station

Figure C: Ag-Park Ground Storage and Booster Pump Station

Owner's Contract No.:

Contractor's Project No.:

Engineer's Project No.:

SFR Project No. FS-94-12-DWSRF-025

Approved Change Orders		
Number	Additions	Deductions
1	\$ -	\$ 59,590.35
TOTALS	\$ -	\$ 59,590.35
NET CHANGE BY		
CHANGE ORDERS		
		(\$9,590.35)

1.	ORIGINAL CONTRACT PRICE.....	\$	4,670,000.00
2.	Net change by Change Orders.....	\$	(59,590.35)
3.	Current Contract Price (Line 1 ± 2).....	\$	4,610,409.65
4.	TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate).....	\$	4,610,409.65
5.	RETAINAGE:		
	a. 5% X \$ 4,610,409.65 Work Completed.....	\$	230,520.48
	b. 5% X _____ Stored Material.....	\$	-
	c. Total Retainage (Line 5a + Line 5b).....	\$	230,520.48
	d. Partial Release Retention	\$	180,520.48
	e. Remaining Retention	\$	-
6.	AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5e).....	\$	4,610,409.65
7.	LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$	4,560,409.65
8.	AMOUNT DUE THIS APPLICATION.....	\$	50,000.00
9.	BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above).....	\$	-

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances), and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Payment of:

\$50,000.00

(Line 8 or other - attach explanation of the other amount)

is recommended by:

(Engineer)

(Date)

Payment of:

(Line 8 or other - attach explanation of the other amount)

is approved by:

(Owner)

(Date)

Approved by:

Funding Agency (if applicable)

(Date)

Date:

124

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract):		Water System Improvements 2011, Fort Dodge, Iowa, Phase C: Ag-Park Ground Storage and Booster Pump Station				Application Number: 16 (Final)		
Application Period:		12/4/13 to 12/31/2013				Application Date: 12/31/2013		
Specification Section No.	A Description	B Scheduled Value (\$)	Work Completed		E Materials Presently Stored (not in C or D)	F		G Balance to Finish (B - F)
			C From Previous Application (C+D)	D This Period		Total Completed and Stored to Date (C + D + E)	% (F / B)	
1	General Conditions	\$ 144,000.00	\$ 144,000.00	\$ -	\$ -	\$ 144,000.00	100.0%	\$ -
2	Bonds and Insurance	\$ 46,500.00	\$ 46,500.00	\$ -	\$ -	\$ 46,500.00	100.0%	\$ -
3	Mobilization	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	100.0%	\$ -
4	Allowance	\$ 75,000.00	\$ 15,409.65	\$ -	\$ -	\$ 15,409.65	20.5%	\$ 59,590.35
5	Implement and Monitor SWPPP	\$ 18,000.00	\$ 18,000.00	\$ -	\$ -	\$ 18,000.00	100.0%	\$ -
6	Strip Black Dirt and Prep Site	\$ 44,500.00	\$ 44,500.00	\$ -	\$ -	\$ 44,500.00	100.0%	\$ -
7	Strip to Intermediate Grade and Stockpile	\$ 125,000.00	\$ 125,000.00	\$ -	\$ -	\$ 125,000.00	100.0%	\$ -
8	Excavate and Prep for Booster Station	\$ 44,000.00	\$ 44,000.00	\$ -	\$ -	\$ 44,000.00	100.0%	\$ -
9	Excavate and Prep for Ground Storage Tank	\$ 144,500.00	\$ 144,500.00	\$ -	\$ -	\$ 144,500.00	100.0%	\$ -
10	Backfill Stored Material	\$ 76,000.00	\$ 76,000.00	\$ -	\$ -	\$ 76,000.00	100.0%	\$ -
11	Final Grading	\$ 14,000.00	\$ 14,000.00	\$ -	\$ -	\$ 14,000.00	100.0%	\$ -
12	Install Salvaged Black Dirt	\$ 14,500.00	\$ 14,500.00	\$ -	\$ -	\$ 14,500.00	100.0%	\$ -
13	Gravel Roadway	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	100.0%	\$ -
14	Fencing	\$ 31,000.00	\$ 31,000.00	\$ -	\$ -	\$ 31,000.00	100%	\$ -
15	Seeding	\$ 16,000.00	\$ 16,000.00	\$ -	\$ -	\$ 16,000.00	100%	\$ -
16	Reinforcing Steel at Concrete	\$ 38,000.00	\$ 38,000.00	\$ -	\$ -	\$ 38,000.00	100.0%	\$ -
17	Concrete at Booster Station	\$ 144,000.00	\$ 144,000.00	\$ -	\$ -	\$ 144,000.00	100.0%	\$ -
18	Masonry	\$ 110,000.00	\$ 110,000.00	\$ -	\$ -	\$ 110,000.00	100.0%	\$ -
19	Precast Roof	\$ 36,000.00	\$ 36,000.00	\$ -	\$ -	\$ 36,000.00	100.0%	\$ -
20	Miscellaneous Metals	\$ 74,500.00	\$ 74,500.00	\$ -	\$ -	\$ 74,500.00	100.0%	\$ -
21	Rough Carpentry	\$ 1,500.00	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	100.0%	\$ -
22	Damp Proofing	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	100.0%	\$ -
23	Perimeter Insulation	\$ 1,500.00	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	100.0%	\$ -
24	Membrane Roofing	\$ 60,000.00	\$ 60,000.00	\$ -	\$ -	\$ 60,000.00	100.0%	\$ -
25	Caulking	\$ 3,500.00	\$ 3,500.00	\$ -	\$ -	\$ 3,500.00	100.0%	\$ -
26	Doors / Frames / Hardware	\$ 19,000.00	\$ 19,000.00	\$ -	\$ -	\$ 19,000.00	100.0%	\$ -
27	Overhead Door	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	100.0%	\$ -
28	Painting	\$ 54,000.00	\$ 54,000.00	\$ -	\$ -	\$ 54,000.00	100.0%	\$ -
29	Hoist and Monorail	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	100.0%	\$ -
30	Sump Pump	\$ 13,000.00	\$ 13,000.00	\$ -	\$ -	\$ 13,000.00	100.0%	\$ -
31	Centrifugal Pumps	\$ 115,000.00	\$ 115,000.00	\$ -	\$ -	\$ 115,000.00	100.0%	\$ -
32	Chemical Feed Systems	\$ 39,000.00	\$ 39,000.00	\$ -	\$ -	\$ 39,000.00	100.0%	\$ -
33	Ground Storage Tank	\$ 1,067,000.00	\$ 1,067,000.00	\$ -	\$ -	\$ 1,067,000.00	100.0%	\$ -
34	Process Piping and Valves - Exterior	\$ 526,000.00	\$ 526,000.00	\$ -	\$ -	\$ 526,000.00	100.0%	\$ -
35	Process Piping and Valves - Interior	\$ 495,000.00	\$ 495,000.00	\$ -	\$ -	\$ 495,000.00	100.0%	\$ -
36	Plumbing	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ 35,000.00	100.0%	\$ -
37	Air Compressor	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	100.0%	\$ -
38	HVAC	\$ 119,000.00	\$ 119,000.00	\$ -	\$ -	\$ 119,000.00	100.0%	\$ -
39	Electrical	\$ 826,000.00	\$ 826,000.00	\$ -	\$ -	\$ 826,000.00	100.0%	\$ -
Sub-Totals		\$ 4,670,000.00	\$ 4,610,409.65	\$ -	\$ -	\$ 4,610,409.65	98.7%	\$ 59,590.35
General Conditions								
Change Orders								
- Change Order #1		\$ (59,590.35)						\$ (59,590.35)
Grand Totals		\$ 4,610,409.65	\$ 4,610,409.65			\$ 4,610,409.65	100.0%	\$ -

Stored Material Summary

Contractor's Application

[illegible]

PARTIAL PAY ESTIMATE NUMBER 15 (Sub-Final)

PARTIAL PAY ESTIMATES PAID-TO-DATE

Water System Improvements 2011, Fort Dodge, Iowa, Phase C: Ag-Park Ground Storage and Booster Pump Station

APPLICATION PERIOD: 12/4/13 to 12/31/2013

CONTRACTOR: Di-Mar Construction, Inc.

ORIGINAL CONTRACT AMOUNT: \$ 4,670,000.00

CHANGE ORDERS:	<u>NO.</u>	<u>DATE</u>	<u>AMOUNT</u>
	<u>1</u>	<u>12/11/2013</u>	<u>(\$59,590.35)</u>
	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>
		REVISED CONTRACT AMOUNT:	<u>\$ 4,610,409.65</u>

PAY ESTIMATES:

<u>DATE</u>	<u>PAY ESTIMATE NO.</u>	<u>AMOUNT</u>
<u>9/25/2012</u>	<u>1</u>	<u>\$ 257,659.00</u>
<u>10/25/2012</u>	<u>2</u>	<u>\$ 296,002.89</u>
<u>11/20/2012</u>	<u>3</u>	<u>\$ 114,419.91</u>
<u>12/21/2012</u>	<u>4</u>	<u>\$ 200,592.50</u>
<u>1/25/2013</u>	<u>5</u>	<u>\$ 233,750.67</u>
<u>2/20/2013</u>	<u>6</u>	<u>\$ 203,014.48</u>
<u>3/23/2013</u>	<u>7</u>	<u>\$ 300,928.76</u>
<u>4/26/2013</u>	<u>8</u>	<u>\$ 419,036.54</u>
<u>5/26/2013</u>	<u>9</u>	<u>\$ 424,270.00</u>
<u>6/27/2013</u>	<u>10</u>	<u>\$ 947,549.57</u>
<u>7/26/2013</u>	<u>11</u>	<u>\$ 442,993.93</u>
<u>8/28/2013</u>	<u>12</u>	<u>\$ 277,371.50</u>
<u>9/30/2013</u>	<u>13</u>	<u>\$ 194,958.67</u>
<u>12/4/2013</u>	<u>14</u>	<u>\$ 188,306.23</u>
<u>12/31/2013</u>	<u>15 (Sub-Final)</u>	<u>\$ 59,555.00</u>

TOTAL ESTIMATES PAID TO DATE: \$ 4,560,409.65

12/31/2013 16 (Final) \$ 50,000.00

TOTAL CONSTRUCTION COST: \$ 4,610,409.65



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May 7, 2014

Mr. Matt Bemrich, Mayor
and City Council
City of Fort Dodge
819 1st Avenue South
Fort Dodge, IA 50501

RE: Water System Improvements 2011, Fort Dodge, Iowa
Phase C: Ag-Park Ground Storage and Booster Pump Station
Contractor: DI-MAR Construction, Inc., Excelsior, Minnesota
SRF Project No. FS-94-12-DWSRF-025
MEC 1311016-03

STATEMENT OF FINAL COMPLETION

Dear Mayor and Council:

This is to verify that McClure Engineering Company has reviewed the work performed by DI-MAR Construction, Inc., of Excelsior, Minnesota, on the above referenced project under their contract to the City of Fort Dodge, Iowa dated July 7, 2012. The final cost on the project is \$4,610,409.65.

We find the work to be completed in compliance with the Plans and Specifications and Change Order(s) governing the construction of this Work. We, therefore, recommend that all work be accepted by the City of Fort Dodge, Iowa.

Respectfully submitted,

McCLURE ENGINEERING COMPANY

A handwritten signature in blue ink, appearing to read 'Michael Washburn', is written over a horizontal line.

Michael Washburn
Project Manager, P.E.

ACCEPTED BY: City of Fort Dodge, Iowa

Matt Bemrich, Mayor

Date

cc: Owner (original)
IDNR
Contractor