

August 6, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

Subject: North Central Ag Park Expansion – Water System Improvements 2011, Phase A: Raw Water Supply – Section 3 Raw Water Main Project - Pay Estimate #6 Final & Statement of Completion



ACTION: For vote Monday, August 11, 2014

Brief History

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

This Phase of the project includes construction of Well No. 20 (Jordan Aquifer) south of the UPRR high bridge, construction of Well No. 21 (Mississippian Aquifer) adjacent to Well No. 8, completion of Well No. 18 near the former Sunkissed Meadows Golf Course, well abandonment for Well Nos. 8, 9, and the Old Cargill Well, and a raw water main from Well 21 to Well 18.

Contracts were awarded by Council on November 5, 2012 to the following companies:

- Phase A, Section 1 – Grosch Irrigation - \$2,467,961.70
- Phase A, Section 2 – C.L. Carroll - \$2,633,178.06
- Phase A, Section 3 – Rasch Construction - \$489,217.50

Due to a delay in receiving the IDNR Environmental Review, a notice to proceed was not issued and drilling wasn't able to be done due to the weather therefore more time is needed to complete the work. Change Order #1 modifies the substantial completion dates:

Section 3 Raw Water Main	Substantially Complete By:
All Raw Water Main Work	July 15, 2013
Section 3 All Raw Water Main Work	Final Completion by September 30, 2013

The Contractor, Rasch Construction, has completed the work specified in the contract documents. McClure Engineering has submitted the Statement of Substantial Completion which Council approved on November 12, 2013.

Council approved Change Order #2 on November 12, 2013, which included extra work and an adjustment to as built quantities. The extra work was due to buried footing and unsuitable material excavated while installing the new water main. The total of \$8,575 will not affect the contract amount and will be deducted from the contingency. The extra works includes:

- | | |
|--|---------|
| 1. Removal of concrete footings | \$ 840 |
| 2. Clean up and haul away unsuitable material/rubble | \$5,485 |
| 3. Haul in suitable backfill material and topsoil | \$2,250 |

The adjustment of as built quantities results in a decrease of \$40,341 to the contract, therefore changing the contract amount to \$448,876.50.

Pay Estimate #5 Sub-final was approved by Council on November 12, 2013 to Rasch Construction in the amount of \$23,164.80.

Analysis of Issue

The Contractor, Rasch Construction, has completed the work specified in the contract documents. McClure Engineering has submitted the Statement of Completion for your review and approval.

Pay Estimate #6 Final is now due to Rasch Construction in the amount of \$22,443.83.

Budget Impact

These services will be paid by Water SRF Loans and will be paid for by Water Utility funds.

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 accept the Statement of Completion, as well as approve Pay Estimate #6 Final and payment to Rasch Construction in the amount of \$22,443.83.

Alternatives

No practical alternatives are suggested to stay on schedule with this project.

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



August 4, 2014

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Mr. Chad Schaeffer, City Engineer
City of Fort Dodge
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Fort Dodge, IA 50501

RE: STATEMENT OF COMPLETION
Water System Improvements 2011, Fort Dodge, Iowa
Phase A: Raw Water Supply, Section 3: Raw Water Main
Contractor: Rasch Construction, Inc., Fort Dodge, Iowa
SRF Project No. FS-94-12-DWSRF-025; MEC 1311016-01

Dear Chad,

This is to verify that McClure Engineering Company has reviewed the work performed by Rasch Construction, Inc., of Fort Dodge Iowa, on the above referenced project under their contract to the City of Fort Dodge, Iowa, dated November 5, 2012. The final cost on the project is \$448,876.50.

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

Michael Washburn, P.E.
Project Manager

Accepted by: City of Fort Dodge, Iowa

By: _____
Mayor

Date: _____

cc: Owner (original) Engineer
Iowa DNR Contractor

Contractor's Application for Payment No. 6-Final

Application Period:	10/29/2013	Application Date:	10/29/2013
To (Owner):	City of Fort Dodge, Iowa	Via (Engineer):	McClure Engineering
Project:	Water System Improvements 2011, Fort Dodge, Iowa, Phase A: Raw Water Supply, Section 3: Raw Water Main	Contract:	Rasch Construction, Inc. Section 3--Raw Water Main
Owner's Contract No.:	1092	Contractor's Project No.:	1311016-01
		Engineer's Project No.:	FS-94-12-DWSRF-025

**Application For Payment
Change Order Summary**

Approved Change Orders Number	Additions	Deductions
1		
2		
		\$ (40,341.00)
TOTALS		-\$40,341.00
NET CHANGE BY CHANGE ORDERS		\$

1. ORIGINAL CONTRACT PRICE..... \$ **\$489,217.50**
2. Net change by Change Orders..... \$ **(\$40,341)**
3. Current Contract Price (Line 1 ± 2)..... \$ **\$448,876.50**
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)..... \$ **\$448,876.50**
5. RETAINAGE:
 - a. 5% X Work Completed..... \$
 - b. 5% X Stored Material..... \$
 - c. Total Retainage (Line 5a + Line 5b)..... \$
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)..... \$ **\$448,876.50**
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... \$ **\$426,432.68**
8. AMOUNT DUE THIS APPLICATION..... \$ **\$22,443.83**
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above)..... \$

Contractor's Certification

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: \$ 22,443.83 (Line 8 or other - attach explanation of the other amount)

is recommended by: Paul K. Rasch (Engineer) 7/31/14 (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)

By: Paul K. Rasch Date: 7-29-14

Progress Estimate - Unit Price Work

Contractor's Application

For (Contract):		Section 3-Raw Water Main		Application Number: 6-Final		October 29, 2013				
Application Period:		41576		Application Date:		October 29, 2013				
Bid Item No.	Item Description	Bid Item Quantity	Unit Price	Bid Item Value (\$)	Estimated Quantity Installed	Value of Work Installed to Date	Materials Presently Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F / B)	Balance to Finish (B - F)
1	Mobilization	1	\$8,000.00	\$8,000.00	1	\$8,000.00		\$8,000.00	100.0%	
2	Bonds and Insurance	1	\$3,900.00	\$3,900.00	1	\$3,900.00		\$3,900.00	100.0%	
3	Traffic Control	1	\$3,800.00	\$3,800.00	1	\$3,800.00		\$3,800.00	100.0%	
4	Erosion and Sediment Control	1	\$3,000.00	\$3,000.00	1	\$3,000.00		\$3,000.00	100.0%	
5	Clearing and Grubbing	AC	\$7,000.00	\$5,250.00	0.775	\$5,425.00		\$5,425.00	103.3%	-\$175.00
6	Granular Surfacing on Road	CY	\$10.00	\$1,600.00	160	\$1,600.00		\$1,600.00	100.0%	
7	Pavement Removal	SY	\$13.00	\$1,625.00	125	\$1,625.00		\$1,625.00	100.0%	
8	PCC Concrete Replacement	SY	\$90.00	\$7,650.00	85	\$7,650.00		\$7,650.00	100.0%	
9	HMA Pavement Replacement	SY	\$50.00	\$2,000.00	40	\$2,000.00		\$2,000.00	100.0%	
10	Concret Curb and Gutter	LF	\$50.00	\$500.00	10	\$500.00		\$500.00	100.0%	
11	Raw Water Main Trenched 14-Inch DIP	LF	\$78.00	\$233,844.00	2998	\$233,844.00		\$233,844.00	100.0%	
12	Water Main with Casing Pipe trenchless, 14-inch DIP	LF	\$442.00	\$69,836.00	158	\$69,836.00		\$69,836.00	100.0%	
13	14-inch Gate Valve with Box	EA	\$7,200.00	\$50,400.00	7	\$50,400.00		\$50,400.00	100.0%	
14	Water Main Fittings	LB	\$3.70	\$29,600.00	8000	\$29,600.00		\$29,600.00	100.0%	
15	Flushing Hydrant Assembly	EA	\$2,300.00	\$2,300.00	1	\$2,300.00		\$2,300.00	100.0%	
16	Uncharted Utilities-Parallel	LF	\$1.00	\$800.00	800	\$800.00		\$800.00	100.0%	
17	Uncharted Utilities-Crossing	EA	\$50.00	\$1,000.00	1	\$50.00		\$50.00	5.0%	\$950.00
18	Silt Fence Installation and Removal	LF	\$2.50	\$7,362.50	2945	\$7,362.50		\$7,362.50	100.0%	
19	Seeding, Fertilizing and Miling	SY	\$0.50	\$6,750.00	13500	\$9,909.00		\$9,909.00	146.8%	-\$3,159.00
20	Contingency Allowance	LS	\$50,000.00	\$50,000.00	0.1715	\$8,575.00		\$8,575.00	17.2%	\$41,425.00
	CO#2 extra work (paid from contingency) and Adjustment of as-built quantities									\$ (40,341.00)
	Totals			\$489,217.50		\$448,876.50		\$448,876.50	91.8%	

