

October 7, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

**Subject: Waste Water System Improvements
North Central Ag Park Expansion – Wastewater System
Improvements 2011, Phase D: Wastewater Treatment, Section 2-
Ag Park Pump Station Modifications, Screening Building and
Alkalinity Building –
Pay Estimate #12 Final & Statement of Final Completion**



ACTION: For vote Monday, October 13, 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. 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

Under this agreement McClure Engineering proposes to provide services for preliminary design, final design, advertising, bidding, contract award, construction administration, staking, project representation, soil boring coordination, erosion control monitoring, record drawings, SRF loan application and administrative services, and meetings.

On August 27, 2012, Council approved setting a bid letting date of September 13, 2012 at 2:00 p.m. to receive bids for this project and a public hearing to approve plans and specifications, form of contract, and estimate of costs for the project. A public hearing

was set for September 10, 2012 at 6:00 p.m. On September 10, 2012 council approved a Resolution approving the plans and specifications, form of contract and estimate of costs for this project. Two addendums were issued for this project. A bid letting was held on September 13, 2012 at 4:00 p.m. Council awarded a contract to Woodruff Construction on September 24, 2012 in the amount of \$3,040,700.00.

Change Order #1 was necessary for additional labor, materials and equipment for this project. Total cost for this work was \$18,750.00 and will be deducted from the \$125,000 Contingency Allowance. The balance of the contingency is \$106,250.00.

The Contractor, Woodruff Construction, has completed the work specified in the contract documents. Council approved the Statement of Substantial Completion submitted by McClure Engineering on October 28, 2013.

On May 12, 2014, Council approved Change Order #3 as a decrease of \$57,019.00 to the contract amount, which is now \$2,983,681.00. Pay Estimate #11 Sub-final was also approved to Woodruff Construction in the amount of \$21,041.00.

Analysis of Issue

The Contractor, Woodruff Construction, has completed the work in compliance with the Plans and Specifications and Change Order(s) governing the construction of this work. McClure Engineering has submitted the Statement of Final Completion for your review and approval.

Pay Estimate #12 Final is now due to Woodruff Construction in the amount of \$100,000.00.

Budget Impact

These services will be paid by Sewer SRF Loans and will be repaid for by Sewer Utility funds. This project will be included into the large Ag Park expansion SRF 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 accept the Statement of Completion, as well as approve Pay Estimate #12 Final. Staff also recommends approving payment to Woodruff in the amount of \$100,000.00.

Alternatives

No practical alternatives are suggested.

Implementation and Accountability

McClure Engineering will be responsible for overseeing this project.

Signed



Chad W. Schaeffer, P.E.
City Engineer

Approved



David R. Fierke
City Manager



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September 30, 2014

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

RE: Wastewater System Improvements 2011, Fort Dodge, Iowa
Phase D: Wastewater Treatment
Section 2: Ag-Park Pump Station, Alkalinity Building,
Screening Building
Contractor: Woodruff Construction, LCC, Fort Dodge, Iowa
SRF Project No. 192064501
MEC 1311016-04

STATEMENT OF FINAL COMPLETION

Dear Mayor and Council:

This is to verify that McClure Engineering Company has reviewed the work performed by Woodruff Construction, LLC, of Fort Dodge, Iowa, on the above referenced project under their contract to the City of Fort Dodge, Iowa dated September 24, 2012. The final cost on the project is \$2,983,681.00.

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
Project Manager, P.E.

ACCEPTED BY: City of Fort Dodge, Iowa

Matt Bemrich, Mayor

Date

cc: Owner (original)
IDNR
Contractor

NORTHWEST IOWA | DES MOINES METRO | EASTERN IOWA | LAKE OZARK, MISSOURI



Contractor's Application for Payment No. 12 (Final)

| | | | |
|-----------------------|---|---------------------------|--|
| Application Period: | 04/04/2014 to 9/30/14 | Application Date: | 9/30/2014 |
| To (Owner): | City of Fort Dodge, Iowa | Via (Engineer): | McClure Engineering Company |
| Project: | Wastewater System Improvements 2011, Fort Dodge, Iowa, Phase D, Wastewater Treatment, Section 2: Ag-Park Pump Station Modifications, Screening Building and Alkalinity Building | Contract: | Phase D: Wastewater Treatment, Section 2: Ag-Park Pump Station Modifications, Screening Building and Alkalinity Building |
| Owner's Contract No.: | 12-050 | Contractor's Project No.: | 1311016-04 |
| | | Engineer's Project No.: | FTD 1311016-04 |
| | | SRF DWSRF NO.: | 1920645 01 |

Application For Payment Change Order Summary

| Approved Change Orders Number | Additions | Deductions | |
|-------------------------------|-----------|----------------|--|
| 1 | \$ - | \$ - | |
| 2 | \$ - | \$ 57,019.00 | |
| TOTALS | | | |
| | \$ - | \$ 57,019.00 | |
| NET CHANGE BY | | | |
| | \$ - | \$ (57,019.00) | |
| CHANGE ORDERS | | | |

1. ORIGINAL CONTRACT PRICE..... \$ 3,040,700.00
2. Net change by Change Orders..... \$ (57,019.00)
3. Contract Sum To Date (Line 1 ± 2)..... \$ 2,983,681.00
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)..... \$ 2,983,681.00
5. RETAINAGE:
- a. 5% X \$ - Work Completed..... \$ -
- b. 5% X \$ - Stored Material..... \$ -
- c. Total Retainage (Line 5a + Line 5b)..... \$ -
- d. Partial Release Retention (Column I on Prog Est)..... \$ -
- e. Remaining Retention (2x Work Remaining)..... \$ -
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)..... \$ 2,983,681.00
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... \$ 2,883,681.00
8. AMOUNT DUE THIS APPLICATION..... \$ 100,000.00
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5e 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.

By: Anthony Minchin Date: 9/12/14

Payment of: \$ 100,000.00
(Line 8 or other - attach explanation of the other amount)

is recommended by: Matthew Wobler 10/2/2014
(Engineer) (Date)

Payment of: \$ 100,000.00
(Line 8 or other - attach explanation of the other amount)

is approved by: _____ (Owner) (Date)

Approved by: _____ Funding Agency (if applicable) (Date)

Progress Estimate - Lump Sum Work

Contractor's Application

| For (Contract): | | Phase D: Wastewater Treatment, Section 2: Ag. Park Pump Station Modifications, Screening Building and Alkalinity Building | | Application Number: 12 (Final) | | | | | | | | | | |
|---------------------------|--|---|---------------------------------|--------------------------------|--|-------------|-------------------------|----------------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| Application Period: | | 04/04/2014 to 9/30/14 | | Application Date: 9/30/2014 | | | | | | | | | | |
| Specification Section No. | A Description | B | | C | | D | | E | | F | G | H | I | J |
| | | Scheduled Value (\$) | From Previous Application (C+D) | This Period | Total Completed and Stored to Date (C+D+E) | % (F/H) | Balance to Finish (B-F) | Retainage (5% of Work Completed) | Requested Retention Release | | | | | |
| 1 | General Conditions | \$ 138,932.00 | \$ 138,932.00 | | | | | | | | | | | |
| 1A | Bypass Pumping | \$ 36,068.00 | \$ 36,068.00 | | | | | | | | | | | |
| 2 | Mobilize, Bonds, Insurance | \$ 62,000.00 | \$ 62,000.00 | | | | | | | | | | | |
| 3 | Material Testing | \$ 12,000.00 | \$ 12,000.00 | | | | | | | | | | | |
| 4 | SWPP / NPDES | \$ 10,000.00 | \$ 10,000.00 | | | | | | | | | | | |
| 5 | Contingency Allowance | \$ 125,000.00 | \$ 67,981.00 | | | | | | | | | | | |
| 5A | - Change Order #1 | \$ 18,750.00 | \$ 18,750.00 | | | | | | | | | | | |
| 5B | - Change Order #2 | \$ 49,231.00 | \$ 49,231.00 | | | | | | | | | | | |
| 6 | Demolition | \$ 2,000.00 | \$ 2,000.00 | | | | | | | | | | | |
| 7 | Concrete Reinforcement | \$ 183,000.00 | \$ 183,000.00 | | | | | | | | | | | |
| 8 | Concrete - Footings & Walls | \$ 194,500.00 | \$ 194,500.00 | | | | | | | | | | | |
| 9 | Concrete - Slabs | \$ 76,000.00 | \$ 76,000.00 | | | | | | | | | | | |
| 10 | Concrete - Precast | \$ 32,000.00 | \$ 32,000.00 | | | | | | | | | | | |
| 11 | Masonry | \$ 72,000.00 | \$ 72,000.00 | | | | | | | | | | | |
| 12 | Structural Steel / Metals | \$ 63,000.00 | \$ 63,000.00 | | | | | | | | | | | |
| 13 | Woods & Plastics | \$ 8,600.00 | \$ 8,600.00 | | | | | | | | | | | |
| 14 | Thermal & Moisture | \$ 7,000.00 | \$ 7,000.00 | | | | | | | | | | | |
| 15 | Roofing | \$ 46,500.00 | \$ 46,500.00 | | | | | | | | | | | |
| 16 | Doors, Frames, & Hardware | \$ 6,000.00 | \$ 6,000.00 | | | | | | | | | | | |
| 17 | Coiling Doors | \$ 8,300.00 | \$ 8,300.00 | | | | | | | | | | | |
| 18 | Aluminum Entr & Glazing / Roof Hatches | \$ 28,000.00 | \$ 28,000.00 | | | | | | | | | | | |
| 19 | Acoustical Ceilings | \$ 300.00 | \$ 300.00 | | | | | | | | | | | |
| 20 | Painting & Wall Covering | \$ 62,000.00 | \$ 62,000.00 | | | | | | | | | | | |
| 21 | Slide Gates | \$ 25,000.00 | \$ 25,000.00 | | | | | | | | | | | |
| 22 | Submersible Non-Clog Pumps | \$ 100,000.00 | \$ 100,000.00 | | | | | | | | | | | |
| 23 | Mag Hyd Storage & Feed Equipment | \$ 260,000.00 | \$ 260,000.00 | | | | | | | | | | | |
| 24 | Automatic Bar Screen | \$ 251,000.00 | \$ 251,000.00 | | | | | | | | | | | |
| 25 | Conveying Systems | \$ 3,800.00 | \$ 3,800.00 | | | | | | | | | | | |
| 26 | Mechanical - Plumbing | \$ 56,500.00 | \$ 56,500.00 | | | | | | | | | | | |
| 27 | Mechanical - HVAC | | | | | | | | | | | | | |
| 27A | Equipment | \$ 38,100.00 | \$ 38,100.00 | | | | | | | | | | | |
| 27B | Ductwork | \$ 15,000.00 | \$ 15,000.00 | | | | | | | | | | | |
| 27C | Shop Labor | \$ 10,400.00 | \$ 10,400.00 | | | | | | | | | | | |
| 28 | Electrical | \$ 800,200.00 | \$ 800,200.00 | | | | | | | | | | | |
| 29 | Sitework - Excavation & Fill | \$ 279,000.00 | \$ 279,000.00 | | | | | | | | | | | |
| 30 | Sitework - Paving/Sidewalks | \$ 2,500.00 | \$ 2,500.00 | | | | | | | | | | | |
| 31 | Sitework - Fencing | \$ 21,000.00 | \$ 21,000.00 | | | | | | | | | | | |
| 32 | Sitework - Seeding & Sod | \$ 5,000.00 | \$ 5,000.00 | | | | | | | | | | | |
| Sub-Totals | | \$ 3,040,700.00 | \$ 2,983,681.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Change Orders | | | | | | | | | | | | | | |
| - Change Order #1 | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| - Change Order #2 | | \$ (57,019.00) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Grand Totals | | \$ 2,983,681.00 | \$ 2,983,681.00 | \$ - | \$ 2,983,681.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

Wastewater System Improvements 2011, Fort Dodge, Iowa, Phase D: Wastewater Treatment, Section 2: Ag-Park Pump Station Modifications, Screening Building and Alkalinity Building

APPLICATION PERIOD: 04/04/2014 to 9/30/14

CONTRACTOR: Woodruff Construction, LLC

ORIGINAL CONTRACT AMOUNT: \$ 3,040,700.00

CHANGE ORDERS:

| NO. | DATE | AMOUNT |
|-----|-----------|------------------------|
| 1 | 4/19/2013 | \$ - |
| 2 | 4/4/2014 | \$ (57,019.00) |
| | | <u>\$ 2,983,681.00</u> |

REVISED CONTRACT AMOUNT:

PAY ESTIMATES:

| DATE | PAY ESTIMATE NO. | AMOUNT |
|------------|------------------|------------------------|
| 11/30/2012 | 1 | \$ 236,860.65 |
| 12/28/2012 | 2 | \$ 140,500.10 |
| 1/29/2013 | 3 | \$ 68,835.10 |
| 3/1/2013 | 4 | \$ 297,437.73 |
| 3/29/2013 | 5 | \$ 306,464.02 |
| 4/26/2013 | 6 | \$ 583,062.23 |
| 6/6/2013 | 7 | \$ 265,162.25 |
| 7/1/2013 | 8 | \$ 388,859.01 |
| 8/2/2013 | 9 | \$ 445,276.76 |
| 9/12/2013 | 10 | \$ 130,182.15 |
| 5/13/2014 | 11 (Sub-Final) | \$ 21,041.00 |
| | | <u>\$ 2,883,681.00</u> |

TOTAL ESTIMATES PAID TO DATE:

\$ 2,883,681.00

TOTAL CONSTRUCTION COST:

\$ 100,000.00

PARTIAL PAY ESTIMATE NUMBER 12 (Final)

PARTIAL PAY ESTIMATES PAID-TO-DATE