

March 17, 2015

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

Subject: 2014 Water Main Improvements, C&S Products Loop and North 10th Street – Pay Estimate #5 Final



ACTION: For vote Monday, March 23, 2015

Brief History

During the summer of 2013, C & S Products approached the City with the desire to expand their business with the construction of a warehouse facility to the north of their existing plant on Cardinal Avenue. A 6" dead-end water main currently serves the plant. To effectively serve the expansion, a new water main needs to be extended east from Cardinal Avenue and then north to an existing water main on County Road D-14 (170th St.).

In 2007, the N. 10th St. and 14th Ave. N. area was identified as needing improvements to the streets, water main, sanitary sewer, and storm sewer systems. Over time, the Public Works Department has made improvements to the sanitary and storm sewer systems. The streets in this area were included in the 2014 Street Repair project. A 2" water main exists on N. 10th St. between 14th Ave. N. and 15th Ave. N and needs to be replaced to provide improved water flow, pressure, and fire protection to this area.

On January 27, 2014, Council approved the contract with MER Engineering for engineering services through the bid letting, with additional services to be authorized at a later date, for both projects discussed above.

MER Engineering has prepared the plans and specifications for the 2014 C & S Products and North 10th Street Water Main Improvements Project. On July 28, 2014 Council approved setting bid letting date to receive bids for the project on August 14, 2014 at 10:00 a.m. A public hearing was set to approve the plans and specifications, form of contract, and estimate of costs for August 25, 2014 at 6:00 p.m.

A bid letting was held on August 14, 2014 at 10:00am and the following responsive bid was received:

Contractor	Bid Amount
Nels Pederson Co., Inc	\$189,290.00 (Base Bid)/\$160,845.25(Bid Alternate)

The Bid Alternate changed the water main pipe material from Ductile Iron Pipe Class 52 to C900 PVC. The engineer's estimate for this project is \$197,117.25 (Base Bid)/\$155,002.25 (Bid Alternate).

On August 25, 2014, Council approved the plans specifications, form of contract and estimate of costs for this project. In addition, Council awarded the contract to Nels Pederson Co., Inc with the bid alternate, totaling the amount of \$160,845.25.

The contractor, Nels Pederson Co. Inc., completed the work specified in the contract documents and MER Engineering has submitted the Statement of Substantial Completion. Change Order #1 included extra work and an adjustment to as-built quantities. The change order resulted in a decrease to the contract in the amount of \$8,732.72, therefore changing the contract amount to \$152,112.53. Pay Estimate #4 Sub-Final to Nels Pederson Co. Inc in the amount of \$13,049.46, as well as the Statement of Substantial Completion and Change Order #1 were approved by Council on December 22, 2014.

Analysis of Issue

Pay Estimate #5 Final is now due to Nels Pederson Co. Inc in the amount of \$7,605.63.

Budget Impact

The project will be funded from the Water Utility Fund.

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

None.

Staff Conclusions / Recommendations

It is our recommendation to approve Pay Estimate #5 Final and payment to Nels Pederson Co., Inc in the amount of \$7,605.63.

Alternatives

None recommended.

Implementation and Accountability

The Engineering Department and MER Engineering will be responsible for overseeing this project.

Signed



Tony Trotter, P.E.
Project Engineer

Approved



David Fierke
City Manager

MER ENGINEERING, INC.

PAY ESTIMATE

NO. 5 Final

109 Regency West Court
Fort Dodge, Iowa 50501

Project: 2014 C & S Products & N 10th Street, City Of Fort Dodge
Contractor: Nels Pederson Co., Inc.
Original Contract Amount: \$160,845.25
Pay Period: December 1, 2014-March 4, 2015

MER 5106

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT	PRICE BID	UNITS COMPLETED TO DATE	TOTAL EARNED TO DATE	BALANCE TO BE COMPLETED
1.	Bonds, Mobilization & Insurance	1	LS	\$20,000.00	1	LS	\$20,000.00 0%
2.	Pavement Removal and Replacement w/ 8" PCC & 4" HMA incl. Curb	170	SY	\$135.00	170	SY	\$22,950.00 0%
3.	6" DIP Water Main Class 52 (Trenched or Trenchless)	400	LF	\$52.00	NA	LF	\$0.00 0%
4.	8" DIP Water Main Class 52 (Trenched or Trenchless)	1,549	LF	\$42.00	NA	LF	\$0.00 0%
5.	6" DIP Trenchless Construction	63	LF	\$52.00	NA	LF	\$0.00 0%
6.	8" DIP Trenchless Construction	125	LF	\$76.00	NA	LF	\$0.00 0%
7.	6" Gate Valve and Box	1	EA	\$880.00	1	EA	\$880.00 0%
8.	6" Tapping Valve Assembly	2	EA	\$2,240.00	2	EA	\$4,480.00 0%
9.	8" Tapping Valve Assembly	1	EA	\$2,450.00	1	EA	\$2,450.00 0%
10.	Fire Hydrant Assembly	3	EA	\$4,290.00	3	EA	\$12,870.00 0%
11.	1" K Copper Service line (incl Trenchless)	140	LF	\$40.00	140	LF	\$5,600.00 0%
12.	1" Service Tap	5	EA	\$560.00	5	EA	\$2,800.00 0%
13.	Removal of Existing Man and Manhole	1	LS	\$1,500.00	1	LS	\$1,500.00 0%
14.	Storm Water Pollution Prevention Plan Incl. Seeding	1	LS	\$10,000.00	1	LS	\$10,000.00 0%
15.	Traffic Control	1	LS	\$3,000.00	1	LS	\$3,000.00 0%
16.	Tracer System Bimetallic	2,063	LF	\$2.00	2,063	LF	\$4,126.00 0%
Total							\$90,656.00
Alternate							
3A	6" PVC C900 Water Main C900 DR 18 (Trenched or Trenchless)	400	LF	\$37.00	400	LF	\$14,800.00 0%
4A	8" PVC C900 Water Main C900 DR 18 (Trenched or Trenchless)	1,549	LF	\$29.25	1549	LF	\$45,308.25 0%
5A	6" PVC Trenchless Construction	63	LF	\$37.00	63	LF	\$2,331.00 0%
6A	8" PVC Trenchless Construction	125	LF	\$62.00	125	LF	\$7,750.00 0%
Total with Alternates							\$70,189.25
Change Order No 1							
2	Pavement Removal and Replacement -Delete			\$135.00	-113	LF	(\$15,255.00) 0%
5A	6" PVC Trenchless Construction-Delete			\$37.00	-16	LF	(\$592.00) 0%
6A	8" PVC Trenchless Construction-Overage	35	LF	\$62.00	35	LF	\$2,170.00 0%
A.	Additional Stabilization/ Rock Installed	82.47	Ton	\$24.00	82.47	LF	\$1,979.28 0%
B.	Additional Labor & Extra Equipment	1	LS	\$2,965.00	1	LS	\$2,965.00 0%
Total							(\$8,732.72)
Total completed work and material on site							\$152,112.53
Total additional work completed							\$0.00
Total amount earned to date							\$152,112.53
Less 0% retained percentage							\$0.00
Total amount due including this estimate							\$152,112.53
Less estimate previously approved							\$144,506.90

Amount Due This Estimate

\$7,605.63

ENGINEER'S AFFIDAVIT:

I certify that to the best of my knowledge, the above account is a just and true statement of work accomplished and/or material supplied.

CONTRACTOR'S AFFIDAVIT:

I certify that the items as shown herein are just and unpaid and that all work has been performed in accordance with the terms and conditions of the contract documents.

OWNER:

APPROVED FOR PAYMENT:

FOR: MER ENGINEERING, INC.

FOR: NELS PEDERSON CO. INC.

FOR: CITY OF FORT DODGE

BY: *Jim Kesling*

BY: *Nels Pederson*

BY:

DATE: *3/6/15*

DATE: *3-5-15*

DATE: