



MAYOR & COUNCIL COMMUNICATION

DATE: December 6, 2016
CONSENT
ITEM # 6

AGENDA ITEM: Inwood Trunk Watermain Improvements – Pay Request No. 6 (Final)

SUBMITTED BY: Chad Isakson, Project Engineer

THROUGH: Kristina Handt, City Administrator

REVIEWED BY: Jack Griffin, City Engineer
Cathy Bendel, Finance Director

SUGGESTED ORDER OF BUSINESS (if removed from the Consent Agenda):

- Questions from Council to Staff Mayor Facilitates
- Public Input, if Appropriate.....Mayor Facilitates
- Call for Motion Mayor & City Council
- Discussion Mayor & City Council
- Action on Motion Mayor Facilitates

POLICY RECOMMENDER: Engineering.

FISCAL IMPACT: None. Final payment is proposed in accordance with the approved Contract and change orders for the project. The total project cost remains within authorized amounts and approved change orders for the project.

SUMMARY AND ACTION REQUESTED: The City Council is respectfully requested to consider accepting the improvements and approving Pay Request No. 6 (Final) for the Inwood Trunk Watermain Improvements project. The work has been reviewed by the Engineer and is fully completed in accordance with the Contract and Specifications and Change Orders.

LEGISLATIVE HISTORY/BACKGROUND INFORMATION: Northdale Construction Company, Inc., the Contractor for the project, has completed the Inwood Trunk Watermain Improvements in accordance with the construction contract awarded by the council on March 2, 2016. The Project Engineer has prepared a Certificate of Completion indicating that all work is completed including all punchlist items and is recommending the acceptance of the improvements and release of final retainage. Project acceptance will initiate the one-year warranty period for the improvements. The one-year warranty will begin on December 6, 2016 and will extend through December 6, 2017.

The final total construction costs for the project is \$1,418,017.17 which is 0.5% over the original contract amount of \$1,411,737.31. Added project costs are primarily related to additional watermain fittings. The project is being funded through a combination of the city's water enterprise fund, bonding, and DEED Grant funds. A breakdown of the project costs compared with the previously approved budget is shown below.

	Final Project Costs	Authorized Project Costs
Total Project Costs:	\$1,674,045.60	\$1,799,992.85
Breakdown:		
<i>Construction:</i>	\$1,418,017.17	\$1,411,737.31
<i>Contingency:</i>	\$0	\$47,000
<i>Engineering (Report, Design, Construction Services)</i>	\$180,999.78*	\$259,255.54
<i>Geotechnical Engineering:</i>	\$8,028.65	\$15,000
<i>Budget for Legal, Fiscal, and Administration:</i>	\$67,000	\$67,000

*The final costs include \$12,000 as an estimate to complete record drawings, warranty period inspections and punchlist items, and managing the DEED grant through closeout for the Inwood Trunk Watermain, Inwood Booster Station and Inwood Water Tower projects.

The City has received all lien waivers, consent of surety, and IC-134s from the Contractor.

RECOMMENDATION: Staff is recommending that the City Council consider, *as part of the Consent Agenda*, accepting the Inwood Trunk Watermain Improvements and approving Pay Request No. 6 (Final) in the amount of \$70,900.86. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to accept the improvements and approve Pay Request No. 6 (final) to Northdale Construction Company, Inc. in the amount of \$70,900.86 for the Inwood Trunk Watermain Improvements”.

ATTACHMENT(S):

1. Certificate of Completion
2. Partial Pay Estimate No. 6 (Final)

CERTIFICATE OF COMPLETION

DATE OF ISSUANCE: **DECEMBER 6, 2016**

OWNER: CITY OF LAKE ELMO, MN
CONTRACTOR: NORTHDAL CONSTRUCTION COMPANY, INC.
PROJECT NAME: INWOOD TRUNK WATERMAIN IMPROVEMENTS
PROJECT NO.: 2014.130

- This Certification of Completion applies to all work under the Contract Documents
- This Certification of Completion applies to the following specified parts of the Contract Documents

I do hereby certify that the work to which this Certificate applies has been constructed in accordance with the Contract dated **MARCH 10, 2016**. The above-mentioned improvement is hereby declared to be complete and acceptance of this work is recommended.

DATE OF COMPLETION: **DECEMBER 6, 2016**



Chad Isakson Reg. No. 49028



FOCUS Engineering, Inc.

THE WARRANTY PERIOD BEGINS DEC. 6, 2016 AND ENDS DEC. 6, 2017

PROJECT PAY FORM

PARTIAL PAY ESTIMATE NO. <u>6 (Final)</u>		FOCUS ENGINEERING, inc.	
INWOOD AVENUE TRUNK WATERMAIN IMPROVEMENTS PROJECT NO. 2014.130		PERIOD OF ESTIMATE FROM <u>9/1/2016</u> TO <u>10/25/2016</u>	
PROJECT OWNER: CITY OF LAKE ELMO 3800 LAVERNE AVENUE NORTH LAKE ELMO, MN 55042 ATTN: JACK GRIFFIN, CITY ENGINEER		CONTRACTOR: NORTHDALE CONSTRUCTION COMPANY, INC. 9760 71ST STREET NE ALBERTVILLE, MN 55301 ATTN: PHILIP LESNAR	
CONTRACT CHANGE ORDER SUMMARY		PAY ESTIMATE SUMMARY	
No.	Approval Date	Amount	
		Additions	Deductions
1	7/5/2016	\$2,200.00	
2	12/6/2016	\$4,079.86	
TOTALS		\$6,279.86	\$0.00
NET CHANGE		\$6,279.86	
*Detailed Breakdown Attached			
CONTRACT TIME			
START DATE:	<u>3/23/2016</u>	ORIGINAL DAYS	<u>191</u>
SUBSTANTIAL COMPLETION:	<u>8/26/2016</u>	REVISED DAYS	<u>0</u>
FINAL COMPLETION:	<u>9/30/2016</u>	REMAINING	<u>-25</u>
		ON SCHEDULE	YES <input type="checkbox"/>
			NO <input checked="" type="checkbox"/>
ENGINEER'S CERTIFICATION: The undersigned certifies that the work has been reviewed and to the best of their knowledge and belief, the quantities shown in this estimate are correct and the work has been performed in accordance with the contract documents.		FOCUS Engineering, inc.  _____ ENGINEER <u>11/15/2016</u> _____ DATE	
CONTRACTOR'S CERTIFICATION: The undersigned Contractor certifies that to the best of their knowledge, information and belief the work covered by this payment estimate has been completed in accordance with the contract documents, that all amounts have been paid by the contractor for work for which previous payment estimates was issued and payments received from the owner, and that current payment shown herein is now due.		CONTRACTOR  BY _____ <u>11-23-2016</u> _____ DATE	
APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA			
BY _____		BY _____	
DATE _____		DATE _____	

**INWOOD AVENUE TRUNK WATERMAIN IMPROVEMENTS
CITY OF LAKE ELMO, MINNESOTA
PROJECT NO. 2014.130**



ITEM	DESCRIPTION OF PAY ITEM	UNIT	CONTRACT			THIS PERIOD		TOTAL TO DATE	
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
DIVISION 1 - GENERAL									
1	MOBILIZATION	LS	1	\$64,800.00	\$64,800.00	0.00	\$0.00	1.00	\$64,800.00
2	TRAFFIC CONTROL	LS	1	\$22,945.00	\$22,945.00	0.00	\$0.00	1.00	\$22,945.00
3	SILT FENCE, MACHINE SLICED	LF	600	\$4.13	\$2,478.00	0.00	\$0.00	200	\$826.00
4	CLEAR AND GRUB TREE	EA	6	\$750.00	\$4,500.00	0.00	\$0.00	0	\$0.00
5	DITCH CHECK	EA	10	\$104.50	\$1,045.00	0.00	\$0.00	0	\$0.00
SUBTOTAL - DIVISION 1					\$95,768.00		\$0.00		\$88,571.00
DIVISION 2 - WATERMAIN									
1	CONNECT TO EXISTING 8" WATERMAIN	EA	1	\$7,483.75	\$7,483.75	0	\$0.00	0	\$0.00
2	CONNECT TO EXISTING 16" WATERMAIN	EA	2	\$13,187.61	\$26,375.22	0	\$0.00	2	\$26,375.22
3	HYDRANT	EA	11	\$4,431.40	\$48,745.40	0	\$0.00	10	\$44,314.00
4	HYDRANT EXTENSION	LF	6	\$1,628.80	\$9,772.80	0	\$0.00	3.5	\$5,700.80
5	6" GATE VALVE AND BOX	EA	10	\$2,476.08	\$24,760.80	0	\$0.00	10	\$24,760.80
6	8" GATE VALVE AND BOX	EA	3	\$2,920.05	\$8,760.15	0	\$0.00	2	\$5,840.10
7	12" GATE VALVE AND BOX	EA	2	\$4,117.60	\$8,235.20	0	\$0.00	2	\$8,235.20
8	16" BUTTERFLY VALVE AND BOX	EA	19	\$10,711.98	\$203,527.62	0	\$0.00	19	\$203,527.62
9	1" CORPORATION STOP WITH FUSIBLE SADDLE	EA	3	\$709.63	\$2,128.89	0	\$0.00	3	\$2,128.89
10	1" CURB STOP AND CURB BOX	EA	3	\$775.20	\$2,325.60	0	\$0.00	3	\$2,325.60
11	1" COPPER WATER SERVICE PIPE	LF	100	\$50.97	\$5,097.00	0	\$0.00	81	\$4,128.57
12	6" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	75	\$63.87	\$4,790.25	0	\$0.00	141.0	\$9,005.67
13	8" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	96	\$70.32	\$6,750.72	0	\$0.00	42	\$2,953.44
14	12" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	28	\$108.70	\$3,043.60	0	\$0.00	25.75	\$2,799.03
15	16" DUCTILE IRON WATERMAIN PIPE, CLASS 52	LF	25	\$126.98	\$3,174.50	0	\$0.00	55	\$6,983.90
16	16" HDPE DIPS DR11 WATERMAIN, DIRECTIONAL DRILL	LF	11,015	\$74.75	\$823,371.25	0	\$0.00	10,985	\$821,128.75
17	DUCTILE IRON FITTINGS	LB	5,810	\$10.74	\$62,399.40	0	\$0.00	9,034	\$97,025.16
18	HORIZONTAL DIRECTIONAL DRILLING BORE PITS	LS	1	\$49,462.20	\$49,462.20	0	\$0.00	1.00	\$49,462.20
19	WATER SERVICE CONNECTION PITS	LS	1	\$7,000.00	\$7,000.00	0	\$0.00	1.00	\$7,000.00
20	TRIVIEW TEST STATION MARKER	EA	18	\$156.02	\$2,808.36	0	\$0.00	17	\$2,652.34
SUBTOTAL - DIVISION 2					\$1,310,012.71		\$0.00		\$1,326,347.29
DIVISION 3 - STORM SEWER									
1	SALVAGE CONCRETE PIPE CULVERT	LF	60	\$15.00	\$900.00	0	\$0.00	14	\$210.00
2	INSTALL SALVAGED PIPE CULVERT	LF	60	\$31.11	\$1,866.60	0	\$0.00	8	\$248.88
SUBTOTAL - DIVISION 3					\$2,766.60		\$0.00		\$458.88
DIVISION 4 - STREET CONSTRUCTION									
1	SALVAGE AND REINSTALL MAILBOX	EA	2	\$165.00	\$330.00	0	\$0.00	0	\$0.00
2	SALVAGE AND REINSTALL SIGN	EA	13	\$220.00	\$2,860.00	0	\$0.00	2	\$440.00
SUBTOTAL - DIVISION 4					\$3,190.00		\$0.00		\$440.00
TOTALS - BASE CONTRACT					\$1,411,737.31		\$0.00		\$1,415,817.17
CHANGE ORDER NO. 1									
CO1-1	HYDRANT OFFSET	EA	2	\$500.00	\$1,000.00	0	\$0.00	2	\$1,000.00
CO1-2	18" FLARED END SECTION	EA	1	\$1,200.00	\$1,200.00	0	\$0.00	1	\$1,200.00
TOTALS - CHANGE ORDER NO. 1					\$2,200.00		\$0.00		\$2,200.00
COMPENSATING CHANGE ORDER NO. 2									
CO2-1	COMPENSATING CHANGE ORDER	LS	1	\$4,079.86	\$4,079.86	0	\$0.00	0	\$0.00
TOTALS - COMPENSATING CHANGE ORDER NO. 2					\$4,079.86				
TOTALS - REVISED CONTRACT					\$1,418,017.17		\$0.00		\$1,418,017.17