

July 7, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

**Subject: 2012 6th Avenue NW Reconstruction
Approve Final Acceptance & Completion and Pay Estimate #6
Final**



ACTION: For vote Monday, July 14, 2014

Brief History

Council awarded a design contract to Bolton & Menk on September 12, 2011 after a qualifications-based selection process administered by the Engineering Department. The contract is structured as hourly, not-to-exceed a total of \$111,100.00. The contract includes, among other services, the engineering services for 6th St. NW from 2nd Ave. NW to 3rd Ave. NW.

The project was originally intended to replace pavement, water main, and add storm sewer. A garage built into the embankment of the roadway was built partially in the public right of way and built structurally inadequate and deemed the cause of embankment failure by a structural engineering report. A retaining wall was designed to restore the structural stability of roadway embankment caused by the garage. The retaining wall is estimated to cost about \$45,000.

A bid letting date of September 4, 2012 at 10:00 a.m. and a public hearing date of September 10, 2012 at 6:00 p.m. were set. Addendum #1 and #2 were issued for this project. Addendum #2 changed the bid letting date to September 6, 2012 at 10:00 a.m. The following responsive bids were received:

Contractor	Bid Amount
Hovey Construction	\$304,158.50
Fort Dodge Asphalt	\$373,320.25

The engineer's estimate is \$329,120.00. On September 10, 2012 Council awarded a contract to Hovey Construction in the amount of \$304,158.50. Change Order #1 was necessary to change the completion date to June 20, 2013. Hovey Construction was unable to proceed due to unforeseeable circumstances including awaiting gas main relocation by MidAmerican Energy. Change Order #1 did not change the contract price. Change Order #1 was approved on November 19, 2012.

June 20, 2013 was selected as the revised completion date based on the original timeframe allowed for completion of the project and the time lost in the fall of 2012.

Change Order #2 was necessary for removal of concrete retaining wall bid item and added removal of the attached garage & existing retaining wall at 526 2nd St NW since the City purchased the property. The substantial completion date is delayed by four weeks to July 19, 2013, due to the Contractor having to wait on the purchase of the property. This change order results in a reduction of \$37,739.00 from the contract with the new contract amount being \$266,419.50.

On February 10th, Council approved Change Order #3, which was necessary to address as built quantities for this project. Change Order #3 resulted in a credit of \$6,451.52 to the project, taking the contract price to \$259,967.98. Pay Estimate #5 Sub-final is now due to Hovey Construction in the amount of \$13,846.72.

Analysis of Issue

This project is complete. Attached is the letter of Final Acceptance and Certificate of Final Completion for approval. The final cost of the project was \$259,967.98. Pay Estimate #6 Final is now due to Hovey Construction in the amount of \$12,998.40.

Budget Impact

NA

Staff Conclusions / Recommendations

Staff recommends approval Final Acceptance and Certificate of Final Completion, as well as Pay Estimate #6 Final. Staff also recommends making payment to Hovey Construction in the amount of \$12,998.40.

Alternatives

No practical alternatives are suggested.

Implementation and Accountability

The Engineering Department and Bolton & Menk will be responsible for overseeing this project.

Signed

Approved



Tony Trotter, P.E.
Project Engineer

David Fierke
City Manager



BOLTON & MENK, INC.[®]

Consulting Engineers & Surveyors

P.O. Box 668 • 2730 Ford Street • Ames, IA 50010-0668

Phone (515) 233-6100 • Fax (515) 233-4430

www.bolton-menk.com

July 7, 2014

Mr. Chad Schaeffer, PE
Engineering Department
City of Fort Dodge
819 1st Avenue South
Fort Dodge, IA 50501

RE: Pay Estimate No. 6 (Final)
6th Avenue NW Street Improvements
BMI Project No. A12.105927

Dear Chad:

Enclosed copies of Pay Estimate No. 6 for work completed through July 1, 2014 by Hovey Construction on the 6th Avenue NW Street Improvements project. This pay request will release the retainage held throughout construction.

The Contractor has completed all work in regards to the contract for the 6th Avenue NW Street Improvements project. The total amount of the project is \$259,967.98. **The project will remain under both programmed budget and as-bid.**

This was a great project to work on, and we would like to thank the Contractor, Council, and Staff for their help in creating a successful project. More importantly, we would like to thank the neighborhood for their patience throughout construction—projects are always inconvenient but hopefully worth it in the end. It was not a perfect project, but we feel that it has been a significant improvement over the previous street corridor.

Please have the appropriate City representative sign all copies; and send two signed copies along with payment to the contractor, keep one copy for your files and return the remaining signed copy to us for our records.

If you have any questions, please do not hesitate to contact us.

Sincerely yours,

BOLTON & MENK, INC.

Nathan Easter, PE
Project Manager

Encl.

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July 7, 2014

Honorable Mayor Bemrich and
Fort Dodge City Council
City of Fort Dodge, Iowa
819 1st Avenue South
Fort Dodge, Iowa 50501

RE: **Final Acceptance and Certificate of Completion**
6th Avenue NW Street Improvements
BMI Project No. A12.105927

Dear Mayor and Council:

We hereby declare that this project has been completed by Hovey Construction, Inc. in substantial compliance with the plans, specifications, contract documents, and change orders governing this project and recommend that the work completed be accepted by the Owner.

The undersigned accepts the work constructed under the conditions and guarantee of the contract.

The final contract amount is \$259,967.98.

Sincerely,

BOLTON & MENK, INC.

Nathan Easter, PE
Project Manager

Accepted by: Owner, City of Fort Dodge

By _____
Name _____
Title _____
Date _____

Encl.

CONTRACTOR'S PAY REQUEST 6TH AVENUE NW RECONSTRUCTION CITY OF FORT DODGE, IOWA BMI PROJECT NO. A12.105927	DISTRIBUTION:
	CONTRACTOR (1)
	OWNER (1)
	ENGINEER (1)
	BONDING CO. (1)

TOTAL AMOUNT BID PLUS APPROVED CHANGE ORDERS	\$266,419.50
TOTAL, COMPLETED WORK TO DATE	\$259,967.98
RETAINED PERCENTAGE (0%)	\$0.00
TOTAL AMOUNT OF OTHER PAYMENTS OR (DEDUCTIONS)	\$0.00
NET AMOUNT DUE TO CONTRACTOR TO DATE	\$259,967.98
TOTAL AMOUNT PAID ON PREVIOUS ESTIMATES	\$246,969.58
PAY CONTRACTOR AS ESTIMATE NO. 6 Work Thru: 1-Jul-14	\$12,998.40

Certificate for Final Payment

I hereby certify that, to the best of my knowledge and belief, all items quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between the Owner and the undersigned Contractor, and as amended by any authorized changes, and that the foregoing is a true and correct statement of the amount for the Final Estimate, that applicable provisions of the Iowa Administrative Code have been complied with and that all claims against me by reason of the Contract have been paid or satisfactorily secured.

Contractor: Hovey Construction
PO Box 1793
Fort Dodge, IA 50501

By _____
Name Title

Date _____

CHECKED AND APPROVED AS TO QUANTITIES AND AMOUNT:
ENGINEER: BOLTON & MENK, INC., ENGINEERS, 2730 FORD STREET, AMES, IA 50010.

By _____, PROJECT ENGINEER

Date _____

APPROVED FOR PAYMENT:
OWNER:

By _____
Name Title Date

And _____
Name Title Date

Partial Pay Estimate No.:

6

6TH AVENUE NW

RECONSTRUCTION

CITY OF FORT DODGE, IOWA

BMI PROJECT NO. A12.105927

WORK COMPLETED THROUGH: 1-Jul-14

ITEM NO.	SUDAS REF NO.	ITEM	UNIT PRICE	AS BID		PREVIOUS ESTIMATE		COMPLETED TO DATE				
				ESTIMATED QUANTITY	ESTIMATED AMOUNT	ESTIMATED QUANTITY	ESTIMATED AMOUNT	ESTIMATED QUANTITY	ESTIMATED AMOUNT			
1	1070-206-A-1	TRAFFIC CONTROL	\$2,100.00	1	LS	\$2,100.00	1	LS	\$2,100.00	1.00	LS	\$2,100.00
2	1090-105-D-1	MOBILIZATION	\$16,500.00	1	LS	\$16,500.00	1	LS	\$16,500.00	1.00	LS	\$16,500.00
3	2010-108-E-1	CLASS 13 EXCAVATION (PLAN)	\$20.00	500	CY	\$10,000.00	500	CY	\$10,000.00	500.00	CY	\$10,000.00
4	2010-108-I-1	SUBBASE, MODIFIED, 6" THICKNESS	\$7.90	1250	SY	\$9,875.00	1267	SY	\$10,009.30	1,267.00	SY	\$10,009.30
5	2010-108-J-1	REMOVAL OF STRUCTURE, MANHOLE	\$400.00	3	EA	\$1,200.00	3	EA	\$1,200.00	3.00	EA	\$1,200.00
6	2010-108-X-X	EXPLORATORY EXCAVATION, UTILITY POTHOLE	\$350.00	10	EA	\$3,500.00	5	EA	\$1,750.00	5.00	EA	\$1,750.00
7	2010-108-X-X	OVER EXCAVATION, 2 FEET	\$24,541.00	1	LS	\$24,541.00	1	LS	\$24,541.00	1.00	LS	\$24,541.00
8	4020-108-A-1	STORM SEWER, TRENCHED, 15" RCP, CLASS III	\$50.00	95	LF	\$4,750.00	91	LF	\$4,550.00	91.00	LF	\$4,550.00
9	4020-108-A-2	STORM SEWER, TRENCHED, 18" RCP, CLASS III	\$57.00	283	LF	\$16,131.00	287	LF	\$16,359.00	287.00	LF	\$16,359.00
10	4020-108-A-3	STORM SEWER, TRENCHED, 24" RCP, CLASS III	\$80.00	45	LF	\$3,600.00	44	LF	\$3,520.00	44.00	LF	\$3,520.00
11	4020-108-C-1	REMOVAL OF STORM SEWER	\$20.00	65	LF	\$1,300.00	58	LF	\$1,160.00	58.00	LF	\$1,160.00
12	4040-108-B-1	COMBINATION FOOTING DRAIN COLLECTOR, 8"	\$21.00	515	LF	\$10,815.00	490	LF	\$10,290.00	490.00	LF	\$10,290.00
13	4040-108-C-1	FOOTING DRAIN CLEANOUT, 8"	\$420.00	1	EA	\$420.00	2	EA	\$840.00	2.00	EA	\$840.00
14	4040-108-D-1	FOOTING DRAIN OUTLET AND CONNECTION, 8"	\$300.00	4	EA	\$1,200.00	4	EA	\$1,200.00	4.00	EA	\$1,200.00
15	4050-108-C-1	SANITARY SEWER SPOT REPAIR, 8"	\$2,800.00	1	EA	\$2,800.00	1	EA	\$2,800.00	1.00	EA	\$2,800.00
16	5010-108-A-1	WATER MAIN, TRENCHED, 8"	\$58.10	355	LF	\$20,625.50	340	LF	\$19,754.00	340.00	LF	\$19,754.00
17	5010-108-C-1	WATER MAIN FITTINGS	\$6.85	240	LBS	\$1,644.00	486	LBS	\$3,329.10	486.00	LBS	\$3,329.10
18	5010-108-D-1	RESTORE WATER SERVICE	\$1,700.00	1	EA	\$1,700.00	3	EA	\$5,100.00	3.00	EA	\$5,100.00
19	5020-108-A-1	8" MJ GATE VALVE	\$1,340.00	2	EA	\$2,680.00	2	EA	\$2,680.00	2.00	EA	\$2,680.00
20	5020-108-C-1	FIRE HYDRANT ASSEMBLY	\$4,550.00	2	EA	\$9,100.00	2	EA	\$9,100.00	2.00	EA	\$9,100.00
21	6010-108-B-1	INTAKE, TYPE SW-502, 48" DIA.	\$2,776.00	1	EA	\$2,776.00	1	EA	\$2,776.00	1.00	EA	\$2,776.00
22	6010-108-B-2	INTAKE, TYPE SW-502, 60" DIA.	\$4,564.00	1	EA	\$4,564.00	1	EA	\$4,564.00	1.00	EA	\$4,564.00
23	6010-108-B-3	INTAKE, TYPE SW-503	\$4,187.00	1	EA	\$4,187.00	1	EA	\$4,187.00	1.00	EA	\$4,187.00
24	6010-108-B-4	INTAKE, TYPE SW-505	\$4,060.00	1	EA	\$4,060.00	1	EA	\$4,060.00	1.00	EA	\$4,060.00
25	6010-108-B-5	INTAKE, TYPE SW-506	\$6,900.00	1	EA	\$6,900.00	1	EA	\$6,900.00	1.00	EA	\$6,900.00
26	6010-108-B-6	MANHOLE/INTAKE ADJUSTMENT, MAJOR	\$1,800.00	2	EA	\$3,600.00		EA	\$0.00	2.00	EA	\$3,600.00
27	6020-108-E-0	MANHOLE LINING WITH CENTRIFUGALLY CAST CEMENTITIONS MORTAR LINER, 1/2" THICKNESS	\$120.00	26	VF	\$3,120.00		VF	\$0.00	30.00	VF	\$3,600.00
28	7010-108-E-1	30-INCH PCC CURB AND GUTTER	\$20.30	645	LF	\$13,093.50	678	LF	\$13,763.40	678.00	LF	\$13,763.40
29	7020-108-A-1	HMA PAVEMENT, 1M ESAL, BASE, 3/4", 6-INCH	\$95.00	355	TON	\$33,725.00	321.93	TON	\$30,583.35	321.93	TON	\$30,583.35
30	7020-108-A-2	HMA PAVEMENT, 1M ESAL, SURFACE, 1/2", 2-INCH	\$95.00	120	TON	\$11,400.00	112.91	TON	\$10,726.45	112.91	TON	\$10,726.45
31	7030-108-A-1	REMOVAL OF SIDEWALK	\$7.00	10	SY	\$70.00	3.34	SY	\$23.38	3.34	SY	\$23.38
32	7030-108-A-2	REMOVAL OF DRIVEWAY	\$5.00	173	SY	\$865.00	88.5	SY	\$442.50	88.50	SY	\$442.50
33	7030-108-E-1	SIDEWALK, 4" PCC	\$50.00	10	SY	\$500.00	3.34	SY	\$167.00	3.34	SY	\$167.00
34	7030-108-A-2	DRIVEWAY, 6" PCC	\$47.00	173	SY	\$8,131.00	108.8	SY	\$5,113.60	108.80	SY	\$5,113.60
35	7040-108-A-1	FULL DEPTH PATCHES	\$50.00	140	SY	\$7,000.00	70	SY	\$3,500.00	70.00	SY	\$3,500.00
36	7040-108-H-1	PAVEMENT REMOVAL	\$4.20	1215	SY	\$5,103.00	1232	SY	\$5,174.40	1,232.00	SY	\$5,174.40
37	9020-108-A-1	SODDING	\$33.00	75	SQ	\$2,475.00		SQ	\$0.00	142.00	SQ	\$4,686.00
38	9040-108-N-1	SILT FENCE - INSTALL, MAINT. & REMOVAL	\$3.00	325	LF	\$975.00		LF	\$0.00	0.00	LF	\$0.00
39	9040-108-N-2	FILTER SOCKS, 12", INSTALL, MAINT. & REMOVAL	\$2.60	325	LF	\$845.00		LF	\$0.00	0.00	LF	\$0.00
40	9040-108-Q-1	EROSION CONTROL MULCHING, CONVENTIONAL	\$16.50	75	SQ	\$1,237.50	18	SQ	\$297.00	155.00	SQ	\$2,557.50
41	9040-108-T-1	INLET PROTECTION DEVICE - INSTALL, MAINT. & REMOVAL	\$110.00	5	EA	\$550.00		EA	\$0.00	0.00	EA	\$0.00
42	9070-108-X-X	STRUCTURAL CONCRETE RETAINING WALL	\$44,500.00	1	LS	\$44,500.00		LS	\$0.00	0.00	LS	\$0.00
CHANGE ORDER #2												
43	ADD 1	CLASS 13 EXCAVATION	\$20.00	50	CY	\$1,000.00	50	CY	\$1,000.00	50.00	CY	\$1,000.00
44	ADD 2	REMOVAL OF DRIVEWAY	\$5.00	99	SY	\$495.00	99	SY	\$495.00	99.00	SY	\$495.00
45	ADD 3	SODDING	\$33.00	13	SQ	\$429.00		SQ	\$0.00	13.00	SQ	\$429.00
46	ADD 4	DEMOLITION OF ATTACHED GARAGE AND EXISTING RETAINI	\$978.00	1	LS	\$978.00	1	LS	\$978.00	1.00	LS	\$978.00
47	ADD 5	PURCHASED MATERIALS FOR RETAINING WALL	\$4,109.00	1	LS	\$4,109.00	1	LS	\$4,109.00	1.00	LS	\$4,109.00
48	RED 1	STRUCTURAL CONCRETE RETAINING WALL	-\$44,500.00	1	LS	-\$44,500.00		LS	\$0.00	0.00	LS	\$0.00
49	RED 2	REDUCTION IN HAULING COSTS	-\$250.00	1	LS	-\$250.00	1	LS	-\$250.00	1.00	LS	-\$250.00
TOTAL AMOUNT:						\$266,419.50			\$239,060.48			\$259,967.98