

September 16, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

**Subject: 2013 Street Repair Project
Pay Estimate #4 Final**



ACTION: For vote Monday, September 22, 2014

Brief History

The Engineering Department has prepared the plans and specifications for the 2013 Street Repair Project. The project includes a variety of maintenance work generally including slurry seal and asphalt overlays. On May 20, 2013 Council approved setting bid letting date to receive bids for this project on June 13, 2013 at 1:30 p.m. A public hearing was set to approve the plans and specifications, form of contract, and estimate of costs for June 24, 2013 at 6:00 p.m. The following responsive bid was received:

Contractor	Bid Amount
Fort Dodge Asphalt	\$929,942.94

Engineer's Estimate for this project is \$984,000.00. Council awarded a contract to Fort Dodge Asphalt on June 24, 2013.

Change Order #1 was approved to include repair of the intersection of 10th Avenue North and North 22nd Street and lane stripping that converted 6th Avenue North to a one-way east of 22nd Street and converted 10th Avenue North between 22nd and 29th Street. These changes were necessary to be accomplished ahead of the first day of school. Change Order #1 also includes the removal of unsuitable subbase and replacement of oversized modified subbase at 8th Ave. North. Change Order #1 results in an addition of \$61,773.47 to the contract.

Change Order #2 was necessary to adjust over/under-runs to the project quantities. The bulk of the monetary adjustments are from placing additional hot mix asphalt (HMA) at multiple locations throughout the 2013 Street Repair Project. The additional HMA was a 5% increase in the estimated quantity. Change Order #2 results in an addition of \$25,586.65 to the contract the Total Project Contract Price will be adjusted to \$1,017,303.06.

Change Order #3 was necessary to execute a final balancing of the project quantities. Change Order #3 results in a deduction of \$9,711.46, bringing the Total Project Costs to \$1,007,591.60.

Analysis of Issue

The project has been completed and retainage is to be released.

Budget Impact

The project will be funded from Local Option Sales Tax.

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 plan is consistent with all council presentation material.

Staff Conclusions / Recommendations

It is our recommendation that the retainage be released in the amount of \$50,379.58 to Fort Dodge Asphalt.

Alternatives

None

Implementation and Accountability

The Engineering Department will be responsible for overseeing this project.

Signed

Approved

Tony Trotter, P.E.
Project Engineer

David Fierke
City Manager



Engineering Department
 819 1st Avenue South
 Fort Dodge, Iowa 50501
 (515) 576-3601 Fax (515) 576-5270

PAY REQUEST

4 Final

Contractor:

Fort Dodge Asphalt
 2516 7th Avenue South
 Fort Dodge, IA 50501

Project Title	2013 STREET REPAIR PROJECT	
Project ID	2013-01-001	
FD Budget Code(s)	121.75.84040.426	
Orig. Contract Amount & Date	\$929,942.94	7/25/13
Estimated Completion Date	5/1/14	
Pay Period	September 1 2014 - October 1 2014	
Pay Request Number	4 Final	
Date Submitted	9/15/14	

BID ITEMS							
Item No.	Description	Unit	Est. Qty	Unit Price	Total Price	Quantity Completed	Value Completed
1	PAVEMENT REMOVAL - FULL DEPTH	SY	1407.20	\$7.75	\$10,905.80	1407.20	\$10,905.80
2	PAVEMENT REMOVAL - MILLING 2 IN.- 4 IN.	SY	30112.20	\$4.75	\$143,032.95	30112.20	\$143,032.95
3	PAVEMENT REMOVAL - PROFILE MILLING < 1 IN.	SY	533.00	\$3.00	\$1,599.00	533.00	\$1,599.00
4	CLASS 10 EXCAVATION	CY	256.00	\$25.00	\$6,400.00	256.00	\$6,400.00
5	SUBGRADE PREPARATION	SY	700.00	\$8.00	\$5,600.00	700.00	\$5,600.00
6	MODIFIED SUBBASE	TN	839.20	\$27.00	\$22,658.40	839.20	\$22,658.40
7	HMA (1M ESAL)	TN	5625.70	\$94.00	\$528,815.80	5625.70	\$528,815.80
8	INSTALL 30 IN. CURB & GUTTER	LF	1084.00	\$35.10	\$38,048.40	1045.00	\$36,679.50
9	PCC CROSSWALK BAND-REMOVE/REPLACE	SY	6.00	\$440.00	\$2,640.00	6.00	\$2,640.00
10	INSTALL SIDEWALK/DRIVEWAY, 4 IN.-6 IN., PCC	SY	58.20	\$65.00	\$3,783.00	58.20	\$3,783.00
11	DETECTABLE WARNING DEVICE	SF	16.00	\$33.00	\$528.00	16.00	\$528.00
12	SLURRY SEAL	SY	22999.00	\$3.25	\$74,746.75	21525.00	\$69,956.25
13	MANHOLE ADJUSTMENT, MINOR	EA	35.00	\$1,100.00	\$38,500.00	23.00	\$25,300.00
14	VALVE BOX ADJUSTMENT, MINOR	EA	1.00	\$400.00	\$400.00	1.00	\$400.00
15	SEEDING, FERTILIZING, MULCHING, EROSION CONTROL MATTING	SQ	76.00	\$200.00	\$15,200.00	57.00	\$11,400.00
16	REPLACE INTAKE, SW-501, SW-541 ~6 FT. DEEP	EA	3.00	\$4,345.00	\$13,035.00	3.00	\$13,035.00
17	REPLACE INTAKE TOP, SW-513	EA	1.00	\$2,530.00	\$2,530.00	1.00	\$2,530.00
18	LANE STRIPING	STA	274.80	\$30.80	\$8,463.84	0.00	\$0.00
19	LANE SYMBOLS	EA	12.00	\$88.00	\$1,056.00	0.00	\$0.00
20	TRAFFIC CONTROL	LS	1.00	\$12,000.00	\$12,000.00	1.00	\$12,000.00
CHANGE ORDER #1							
1	PAVEMENT REMOVAL - FULL DEPTH	SY	544.00	\$7.75	\$4,216.00	544	\$4,216.00
5	SUBGRADE PREPARATION	SY	544.00	\$8.00	\$4,352.00	544	\$4,352.00
6	MODIFIED SUBBASE 8"	TON	239.64	\$27.00	\$6,470.28	239.64	\$6,470.28
6A	MODIFIED SUBBASE (OVERSIDED CRUSHED HMA)	TON	345.75	\$27.00	\$9,335.25	345.75	\$9,335.25
7	HMA (1M ESAL)	TON	263.51	\$94.00	\$24,769.94	264	\$24,769.94
14	VALVE BOX ADJUSTMENT, MINOR	EA	4.00	\$400.00	\$1,600.00	4	\$1,600.00
18	LANE STRIPING	STA	73.65	\$38.50	\$2,835.50	73.65	\$2,835.50
19	LANE SYMBOLS	EA	23.00	\$137.50	\$3,162.50	23.00	\$3,162.50
19A	PAVEMENT MARKINGS REMOVAL	STA	6.70	\$110.00	\$737.00	6.70	\$737.00
20	TRAFFIC CONTROL	LS	1.00	\$1,735.00	\$1,735.00	1.00	\$1,735.00
21	MOBILIZATION	LS	1.00	\$2,200.00	\$2,200.00	1.00	\$2,200.00
22	SAWCUTTING	LS	1.00	\$360.00	\$360.00	1.00	\$360.00
CHANGE ORDER #2							
4	CLASS 10 EXCAVATION	CY	136.00	\$25.00	\$3,400.00	136	\$3,400.00
5	SUBGRADE PREPARATION	SY	70.00	\$8.00	\$560.00	70	\$560.00
6	MODIFIED SUBBASE	TN	147.80	\$27.00	\$3,990.60	148	\$3,990.60
7	HMA (1M ESAL)	TN	281.41	\$94.00	\$26,452.54	281.41	\$26,452.54

8	INSTALL 30 IN. CURB & GUTTER	LF	-39.00	\$35.10	-\$1,368.90	0.00	\$0.00
10	INSTALL SIDEWALK/DRIVEWAY, 4 IN.-6 IN., PCC	SY	57.85	\$65.00	\$3,760.25	57.85	\$3,760.25
11	DETECTABLE WARNING DEVISE	SF	64.00	\$33.00	\$2,112.00	64.00	\$2,112.00
15	SEEDING, FERTILIZING, MULCHING, EROSION CONTROL MATTING	SQ	-19.00	\$200.00	-\$3,800.00	0.00	\$0.00
18	LANE STRIPING	STA	-274.80	\$30.80	-\$8,463.84	0.00	\$0.00
19	LANE SYMBOLS	EA	-12.00	\$88.00	-\$1,056.00	0.00	\$0.00
CHANGE ORDER #3							
12	SLURRY SEAL	SY	-1474.00	\$3.25	-\$4,790.50	0.00	\$0.00
13	MANHOLE ADJUSTMENT, MINOR	EA	-12.00	\$1,100.00	-\$13,200.00	0.00	\$0.00
18	LANE STRIPING	STA	268.80	\$30.80	\$8,279.04	268.80	\$8,279.04
TOTAL					\$1,007,591.60		\$1,007,591.60
					Total Approved	Total Completed	
					Original Contract Price	\$929,942.94	\$1,007,591.60
					Change Order 1	\$61,773.47	
					Change Order 2	\$25,586.65	
					Change Order 3	-\$9,711.46	
					Total Change Orders	\$77,648.66	
					Percentage of Original Contract Price	8%	
					Revised Contract Price	\$1,007,591.60	\$1,007,591.60
					Materials Stored		\$0.00
					Retainage (5%)		\$0.00
					Total Earned Less Retainage		\$1,007,591.60
Total Previously Approved (list each)					Pay Request 1		\$638,376.62
					Pay Request 2		\$242,991.87
					Pay Request 3		\$75,843.53
					Pay Request 4		
					Pay Request 5		
					Pay Request 6		
					Total Previously Approved		\$957,212.02
					Amount Due This Request		\$50,379.58

Recommendation of Acceptance: City of Fort Dodge	Acceptance by Contractor: Fort Dodge Asphalt
Signature:	Signature:
Name: Chad W. Schaeffer, P.E.	Name:
Title: City Engineer	Title:
Date:	Date: