

December 15, 2014

To: Mayor Bemrich and City Council
From: David Fierke, City Manager
**Subject: 2014 Street Repair Project –
Pay Estimate #5 - Final**



ACTION: For vote Monday, December 22, 2014

Brief History

The Engineering Department has prepared the plans and specifications for the 2014 Street Repair Project. The project includes asphalt mill and overlay work throughout the City. A bid letting was set by Council for December 12, 2013 at 1:30 pm and the Council awarded this project to Fort Dodge Asphalt on January 13, 2014 in the amount of \$1,193,127.00.

10th Avenue North from North 32nd Street east to the City Limits is in need of repairs. This truck route carries about 1900 vehicles per day and hasn't received any maintenance since 1987. In 2009, it had a pavement rating of 25 but has since deteriorated further.

The Capital Improvement Plan has shown this project since its re-conception in 2009. Engineering Staff designed a 2-4" mill and Hot Mix Asphalt overlay in addition to shoulder re-shaping for improvements in this area. Fort Dodge Asphalt has submitted Change Order #1 to perform this work in the amount of \$177,985.50, bringing the total contract value to \$1,371,112.50.

Engineering Staff believes it is advantageous to include this project as a Change Order to the 2014 Street Repair Project in lieu of bidding it separately for the following reasons:

- Unit Prices that are to be used for the 2014 Street Project will be used for 10th Ave North as well, resulting in no additional cost for the improvements.
- Fort Dodge Asphalt would likely have been the contractor for the 10th Ave North improvements nonetheless.
- Saves staff time to not going through the bidding process.
- This Change Order has a window for completion that ensures construction will not commence before school is let out (June 9th, 2014) and before fall harvest (August 15th, 2014)

Change Order #1 was approved March 10th, 2014.

Change Order #2 included a Snell-Crawford Park interior trail extension and trail repair along with Loomis Park Trail Improvements in which the existing trail will be milled and

paved. This portion of the Change Order will be paid for out of Vision Iowa Funds for trails. Change Order #2 also included asphalt pavement work that was previously included in the East Region Storm Sewer Improvements Phase 1 project that called for concrete pavements. The owners of the road (23rd Street) preferred asphalt pavement to concrete pavement, so this work will be part of Change Order #2 and paid for out of LOST funds.

Change Order #3 included quantity over-runs in the amount of \$184,861.47 and was approved on September 22nd, 2014.

Change Order #4 included 2-4" mill and HMA overlay to North 10th Street between 14th and 15th Avenue North and increased the contract value by \$24,436.09 and was approved on November 10th, 2014.

Change Order #5 made final adjustments to quantities and reduces the contract amount by \$2,240.58. Fort Dodge Asphalt has completed the 2014 Street Repair Project and it has been accepted by the City.

Analysis of Issue

The project is completed and retainage is to be released.

Budget Impact

The project will be funded primarily out of Local Option Sales Tax with the trail work associated with this project paid for out of Vision Iowa Funds.

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 to approve Pay Estimate #5 – Final in the amount of \$83,130.32.

Alternatives

None recommended.

Implementation and Accountability

The Engineering Department will be responsible for overseeing this project.

Signed



Tony Trotter, P.E.
Project Engineer

Approved



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	2014 STREET REPAIR PROJECT	
Project ID	2014-01-001	
FD Budget Code(s)	121.75.84040.426	
Orig. Contract Amount & Date	\$1,193,127.00	1/31/14
Estimated Completion Date	8/14/14	
Pay Period	November 1 - December 15, 2014	
Pay Request Number	4 Final	
Date Submitted	12/15/14	

BID ITEMS							
Item No.	Description	Unit	Est. Qty	Unit Price	Total Price	Quantity Completed	Value Completed
1	PAVEMENT REMOVAL – MILLING 2 IN.- 3 IN.	SY	57,697	\$4.50	\$259,636.50	57697.00	\$259,636.50
2	MODIFIED SUBBASE SHOULDER MATERIAL	TN	329	\$40.00	\$13,160.00	329.00	\$13,160.00
3	HMA (1M ESAL)	TN	8,797	\$96.50	\$848,910.50	8797.00	\$848,910.50
4	MANHOLE ADJUSTMENT, MINOR	EA	52	\$1,085.00	\$56,420.00	52.00	\$56,420.00
5	TRAFFIC CONTROL	LS	1	\$15,000.00	\$15,000.00	1.00	\$15,000.00
CHANGE ORDER #1							
1	PAVEMENT REMOVAL - 2 - 4 INCH	SY	6507	\$4.50	\$29,281.50	6507	\$29,281.50
2	MODIFIED SUBBASE SHOULDER MATERIAL	TN	102	\$40.00	\$4,080.00	102	\$4,080.00
3	HMA (1M ESAL)	TN	1464	\$96.50	\$141,276.00	1464	\$141,276.00
4	LANE STRIPING	STA	60	\$30.80	\$1,848.00	60	\$1,848.00
5	TRAFFIC CONTROL	LS	1	\$1,500.00	\$1,500.00	1	\$1,500.00
CHANGE ORDER #2							
Loomis Park Trail Improvements							
1	Milling 4"	SY	1333.00	\$6.00	\$7,998.00	1,333.00	\$7,998.00
2	HMA Paving 4"	TON	330.00	\$96.50	\$31,845.00	330.00	\$31,845.00
3	Granular Shoulders	TON	300.00	\$16.50	\$4,950.00	195.38	\$3,223.77
4	Clearing / Grubbing	LS	1.00	\$3,500.00	\$3,500.00	1.00	\$3,500.00
23rd Street Improvements							
1	Pavement Removal - (2-4 inch)	SY	436.00	\$4.50	\$1,962.00	436.00	\$1,962.00
2	Modified Subbase Shoulder Material	TN	12.00	\$40.00	\$480.00	12.00	\$480.00
3	HMA (1M ESAL)	TN	169.00	\$96.50	\$16,308.50	169.00	\$16,308.50
Snell-Crawford Trail Extension							
1	Milling 4"	SY	556.00	\$6.00	\$3,336.00	556.00	\$3,336.00
2	HMA Paving 4"	TON	133.00	\$96.50	\$12,834.50	133.00	\$12,834.50
Snell-Crawford Trail Repair							
1	Milling 4"	SY	43.00	\$6.00	\$258.00	43.00	\$258.00
2	HMA Paving 4"	TON	10.00	\$96.50	\$965.00	4.67	\$450.66
CHANGE ORDER #3							
2	MODIFIED SUBBASE SHOULDER MATERIAL	TN	172.85	\$40.00	\$6,914.00	172.85	\$6,914.00
3	HMA (1M ESAL)	TN	1731.58	\$96.50	\$167,097.47	1,731.58	\$167,097.47
4	MANHOLE ADJUSTMENT, MINOR	EA	10.00	\$1,085.00	\$10,850.00	10.00	\$10,850.00
CHANGE ORDER #4							
North 10th Street							
1	PAVEMENT REMOVAL - MILLING 2 IN. - 3 IN.	SY	1148.00	\$4.50	\$5,166.00	1148.00	\$5,166.00
3	HMA (1M ESAL)	TON	199.69	\$96.50	\$19,270.09	199.69	\$19,270.09
CHANGE ORDER #5							
2	HMA Paving 4"	TON	-5.33	\$96.50	-\$514.35	0.00	\$0.00
3	Granular Shoulders	TON	-104.62	\$16.50	-\$1,726.23	0.00	\$0.00
TOTAL					\$1,662,606.48		\$1,662,606.48

PAY REQUEST SUMMARY		
	Total Approved	Total Completed
Original Contract Price	\$1,193,127.00	\$1,662,606.48
Change Order 1	\$ 177,985.50	
Change Order 2	\$ 84,437.00	
Change Order 3	\$ 184,861.47	
Change Order 4	\$ 24,436.09	
Change Order 5	\$ (2,240.58)	
Total Change Orders	\$ 496,156.14	
Percentage of Original Contract Price	42%	
Revised Contract Price	\$1,662,606.48	\$1,662,606.48
	Materials Stored	\$0.00
	Retainage (5%)	\$0.00
	Total Earned Less Retainage	\$1,662,606.48
Total Previously Approved (list each)	Pay Request 1	\$1,176,371.32
	Pay Request 2	\$319,616.92
	Pay Request 3	\$83,487.91
	Pay Request 4	
	Pay Request 5	
	Pay Request 6	
	Total Previously Approved	\$1,579,476.16
	Amount Due This Request	\$83,130.32

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: