

September 2, 2014

To: Mayor Bemrich and City Council
From: David Fierke, City Manager
Subject: Menards Traffic Signal Project & 5th Avenue South Corridor Improvements Change Order #2 & Pay Estimate #2 Sub-final



ACTION: For vote Monday, September 8, 2014

Brief History

The Snyder and Associates, INC has prepared the plans and specifications for the Menards Traffic Signal Project & 5th Avenue South Corridor Improvements. The project includes installation of the 5th Ave. S. & east Menards driveway intersection signals, to convert 5th Ave. S. from east of S. 32nd St. to S. 42nd St./P-59 to a 3-lane roadway, and to install a right turn lane from 5th Ave. S. into the west Menards driveway. On December 9th, 2013 Council approved setting bid letting date to receive bids for this project on January 14th, 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 January 27th, 2014 at 6:00 p.m. The following responsive bid was received:

Contractor	Bid Amount
Fort Dodge Asphalt	\$575,200.60

Engineer's Estimate for this project is \$506,000.00. Council awarded a contract to Fort Dodge Asphalt on January 27th, 2014.

Change Order #1 was approved on July 14th that moved Ziegler's entrance to the east of their existing entrance to provide more space between the entrance and the traffic lights that will allow Ziegler's traffic to get in and out easier. Change Order #1 removed Ziegler's existing entrance, installed new entrance and installation of black dirt with seeding at the old entrance. Change Order #1 resulted in an addition of \$22,648.70 to the contract.

Analysis of Issue

Pay Estimate #2 Sub Final and Change Order #2 is now due to Fort Dodge Asphalt in the amount of \$495,922.32. Change Order #2 balances project quantities, additional costs for M4 mix used at Menards driveway, implementation of a work zone speed limit, and patching two intakes. Most of the additional costs for the change order were the additional HMA Pavement Overlay due to the additional milling agreed to at pre-construction meeting. Change Order #2 increases the contract by \$32,931.19 to a total of \$630,780.49. A final Change Order #3 will be necessary to provide additional

drainage at the location where the Ziegler's removed driveway and will be processed at the Final Pay Estimate.

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

None.

Staff Conclusions / Recommendations

It is our recommendation to approve Pay Estimate #2 Sub Final and Change Order #2.

Alternatives

None.

Implementation and Accountability

The Engineering Department and Snyder & Associates INC. will be responsible for overseeing this project.

Signed

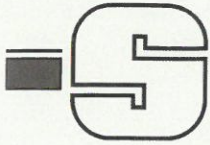


Tony Trotter, P.E.
Project Engineer

Approved



David Fierke
City Manager



September 2, 2014

Tony Trotter
City of Fort Dodge
819 1st Ave S
Fort Dodge, IA 50501

RE: PARTIAL PAYMENT APPLICATION #2
CHANGE ORDER #2
5TH AVENUE SOUTH CORRIDOR IMPROVEMENTS PROJECT
S&A PROJECT NO.: 111.0740.01

Dear Tony:

Partial Payment Application #2 is for construction activity through August 15, 2014. The work includes completion of most of the remaining work.

Change Order #2 balances project quantities, additional cost for M4 mix used at Menards driveway, implementation of a work zone speed limit, and patching two intakes. Most of the additional cost for the change order was the additional HMA Pavement Overlay due to the additional milling (no charge) agreed to at pre-construction meeting. An additional change order will be needed for the drainage work at Ziegler.

We recommend approval of Partial Payment #2 of \$495,922.32 to Fort Dodge Asphalt Co. for the work completed and for Change Order #2 in the amount of \$32,931.19. Retainage was withheld in the amount of \$31,539.02 (5%).

Once approved, please send one copy to the contractor along with payment and send one copy to my attention at Snyder & Associates. If you have any questions or comments on this pay application, please feel free to contact me at your convenience. Thank you.

Sincerely,

SNYDER & ASSOCIATES, INC.

Todd D. Knox, P.E., PTOE
Traffic Engineer

Enclosure

CC: Greg Estlund, Fort Dodge Asphalt Co.

APPLICATION FOR PARTIAL PAYMENT NO. 2

PROJECT: 5th Avenue South - Corridor Improvements
OWNER: City of Fort Dodge
CONTRACTOR: Fort Dodge Asphalt Company
ADDRESS: 2516 7th Ave. S.
Fort Dodge, IA 50501
DATE: August 28, 2014

S&A PROJECT NO.: 111.0740.01

PAYMENT PERIOD: June 1, 2014
to August 15, 2014

1. CONTRACT SUMMARY:

Original Contract Amount:	\$ 575,200.60
Net Change by Change Order:	<u>\$55,579.89</u>
Contract Amount to Date:	\$ 630,780.49

CONTRACT PERIOD: WORKING DAYS

Original Contract Date:	January 27, 2014
Contract Working Days:	40
Working Days Charged:	40
Remaining Days:	0

2. WORK SUMMARY:

Total Work Performed to Date:	\$ 630,780.49
Retainage: 5%	<u>\$31,539.02</u>
Total Earned Less Retainage:	\$599,241.47
Less Previous Applications for Payment:	<u>\$103,319.15</u>
AMOUNT DUE THIS APPLICATION:	<u><u>\$495,922.32</u></u>

3. CONTRACTOR'S CERTIFICATION:

The undersigned CONTRACTOR certifies that:

- (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with the Work covered by prior Applications for Partial Payments.
- (2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this application for Payment are free and clear of all liens, claims, security interests and encumbrances.

Fort Dodge Asphalt Company

CONTRACTOR

By Joel Bauman DATE: 8/28/14

4. ENGINEER'S APPROVAL:

Payment of the above AMOUNT DUE THIS APPLICATION is recommended:

Snyder & Associates, Inc.

ENGINEER

By Todd Knox DATE: 9/2/14

5. OWNER'S APPROVAL

City of Fort Dodge

OWNER

By _____ DATE: _____

6. DETAILED ESTIMATE OF WORK COMPLETED:

ITEM NO.	DESCRIPTION	ORIGINAL CONTRACT QUANTITIES				COMPLETED WORK		
		QUANTITY	UNIT	UNIT COST	COST Total	QUANTITY	CO #	COST Total
1	GENERAL PROVISIONS							
1.01	Mobilization	1	LS	\$6,900.00	\$ 6,900.00	1		\$ 6,900.00
2	EARTHWORK							
2.01	Subgrade Preparation	491	SY	\$6.00	\$ 2,946.00	0		\$ -
2.02	Topsoil, Strip, Salvage and Respread	73	CY	\$26.00	\$ 1,898.00	73		\$ 1,898.00
2.03	Excavation, Class 10	291	CY	\$12.00	\$ 3,492.00	291		\$ 3,492.00
2.04	Erosion Stone	1.6	TON	\$150.00	\$ 240.00	2		\$ 240.00
2.05	Compaction Testing	1	LS	\$2,000.00	\$ 2,000.00	1.00		\$ 2,000.00
4	SEWERS AND DRAINS							
4.01	Storm Sewer, Trenched, Class III RCP, 15"	52	LF	\$72.60	\$ 3,775.20	102		\$ 7,405.20
5	WATER MAIN							
5.01	Fire Hydrant Assembly	1	Each	\$6,380.00	\$ 6,380.00	1		\$ 6,380.00
6	STRUCTURES FOR SANITARY AND STORM							
6.01	Remove Existing Intake	1	Each	\$825.00	\$ 825.00	1		\$ 825.00
6.02	Remove Existing Intake, Top Only	9	Each	\$330.00	\$ 2,970.00	0		\$ -
6.03	Remove Existing Intake, Throat Only	3	Each	\$495.00	\$ 1,485.00	0		\$ -
6.04	Intake, Type SW-507, Small Box	1	Each	\$2,860.00	\$ 2,860.00	1		\$ 2,860.00
6.05	Intake, Type SW-507, Top Only	9	Each	\$1,320.00	\$ 11,880.00	0		\$ -
6.06	Intake, Type SW-507, Throat Only	3	Each	\$2,090.00	\$ 6,270.00	0		\$ -
6.07	Intake, Type SW-541	1	Each	\$2,860.00	\$ 2,860.00	1		\$ 2,860.00
6.08	Connection to Intake	2	Each	\$550.00	\$ 1,100.00	2		\$ 1,100.00
6.09	Intake Repair	1	LS	\$1,320.00	\$ 1,320.00	0		\$ -
7	STREETS AND RELATED WORK							
7.01	PCC Pavement, Class C, 10.5 Inch	368	SY	\$90.20	\$ 33,193.60	370		\$ 33,374.00
7.02	Curb and Gutter, 1.5 Feet, 10 Inch	422	LF	\$48.40	\$ 20,424.80	370		\$ 17,908.00
7.03	PCC Pavement Samples and Testing	1	LS	\$2,500.00	\$ 2,500.00	1		\$ 2,500.00
7.04	HMA Overlay Pavement	1,995	TON	\$96.50	\$ 192,517.50	2660.98		\$ 256,784.57
7.05	HMA Pavement Samples and Testing	1	LS	\$750.00	\$ 750.00	1		\$ 750.00
7.06	Full Depth Patches	628	SY	\$96.80	\$ 60,790.40	514.4		\$ 49,793.92
7.07	Pavement Removal	110	SY	\$45.00	\$ 4,950.00	112		\$ 5,040.00
7.08	Milling	4,051	SY	\$4.50	\$ 18,229.50	4051		\$ 18,229.50
7.09	Curb and Gutter Removal	422	LF	\$8.00	\$ 3,376.00	508		\$ 4,064.00
8	TRAFFIC SIGNALS							
8.01	Traffic Signal	1	LS	\$135,146.00	\$ 135,146.00	1		\$ 135,146.00
9	SITE WORK AND LANDSCAPING							
9.01	Hydraulic Seeding, Fertilizing and Mulching	0.10	Acre	\$16,000.00	\$ 1,600.00	0.15		\$ 2,400.00
9.02	Warranty	1	LS	\$1,500.00	\$ 1,500.00	1		\$ 1,500.00
9.03	Filter Socks, 6 Inch	226	LF	\$6.10	\$ 1,378.60	226		\$ 1,378.60
9.04	Inlet Protection Device, Type B	2	Each	\$370.00	\$ 740.00	0		\$ -
9.05	Inlet Protection Device Maintenance	2	Each	\$55.00	\$ 110.00	0		\$ -
10	TRAFFIC CONTROL AND PAVEMENT MARKINGS							
10.01	Traffic Control	1	LS	\$15,000.00	\$ 15,000.00	1		\$ 15,000.00
10.02	Pavement Marking Removal	19.67	STA	\$110.00	\$ 2,163.70	19.67		\$ 2,163.70
10.03	Painted Pavement Markings, Durable	223.26	STA	\$55.00	\$ 12,279.30	223.26		\$ 12,279.30
10.04	Painted Symbols and Legends, Durable	34	Each	\$275.00	\$ 9,350.00	34		\$ 9,350.00
TOTAL ORIGINAL CONTRACT =					\$ 575,200.60			\$ 603,621.79

CHANGE ORDER SUMMARY:

Change Order No. 1								
11.01	Zeigler Entrance Relocation	1	LS	\$22,648.70	\$ 22,648.70	1	1	\$22,648.70
TOTAL CHANGE ORDER #1					\$ 22,648.70			\$22,648.70
Change Order No. 2								
2.01	Subgrade Preparation	-491	SY	\$6.00	\$ (2,946.00)	0	2	\$0.00
4.01	Storm Sewer, Trenched, Class III RCP, 15"	50.0	LF	\$72.60	\$ 3,630.00	0	2	\$0.00
6.02	Remove Existing Intake, Top Only	-9.0	Each	\$330.00	\$ (2,970.00)	0	2	\$0.00
6.03	Remove Existing Intake, Throat Only	-3	Each	\$495.00	\$ (1,485.00)	0	2	\$0.00
6.05	Intake, Type SW-507, Top Only	-9	Each	\$1,320.00	\$ (11,880.00)	0	2	\$0.00
6.06	Intake, Type SW-507, Throat Only	-3	Each	\$2,090.00	\$ (6,270.00)	0	2	\$0.00
6.09	Intake Repair	-1	LS	\$1,320.00	\$ (1,320.00)	0	2	\$0.00
7.01	PCC Pavement, Class C, 10.5 Inch	2	SY	\$90.20	\$ 180.40	0	2	\$0.00
7.02	Curb and Gutter, 1.5 Feet, 10 Inch	-52	LF	\$48.40	\$ (2,516.80)	0	2	\$0.00
7.04	HMA Overlay Pavement	665.98	TON	\$96.50	\$ 64,267.07	0	2	\$0.00
7.06	Full Depth Patches	-113.6	SY	\$96.80	\$ (10,996.48)	0	2	\$0.00
7.07	Pavement Removal	2	SY	\$45.00	\$ 90.00	0	2	\$0.00
7.09	Curb and Gutter Removal	86	LF	\$8.00	\$ 688.00	0	2	\$0.00
9.01	Hydraulic Seeding, Fertilizing and Mulching	0.05	Acre	\$16,000.00	\$ 800.00	0	2	\$0.00
9.04	Inlet Protection Device, Type B	-2	Each	\$370.00	\$ (740.00)	0	2	\$0.00
9.05	Inlet Protection Device Maintenance	-2	Each	\$55.00	\$ (110.00)	0	2	\$0.00
11.02	Additional Cost for M4 Mix at Menards Driveway	1	LS	\$1,802.90	\$ 1,802.90	1	2	\$1,802.90
11.03	Construction Speed Limit Implementation	1	LS	\$1,897.50	\$ 1,897.50	1	2	\$1,897.50
11.04	Patch Two Intakes	1	LS	\$809.60	\$ 809.60	1	2	\$809.60
TOTAL CHANGE ORDER #2					\$ 32,931.19			\$4,510.00
TOTAL CONTRACT & CHANGE ORDERS					\$ 630,780.49			\$ 630,780.49

CHANGE ORDER NO. 2

OWNER: City of Fort Dodge

PROJECT: 5th Ave S Corridor Improvements Project
PROJECT #: 111.0740.01

To: Fort Dodge Asphalt
Contractor
2516 7th Ave S
Address
Fort Dodge, IA 50501
City, State, Zip

You are directed to make the following changes in this contract:

1. Description of change to be made:

- 2.01 Remove Item - Subgrade Preparation
- 4.01 Increase Contract Item - Storm Sewer, Trenched, Class III RCP, 15"
- 6.02 Remove Item - Remove Existing Intake, Top Only
- 6.03 Remove Item - Remove Existing Intake, Throat Only
- 6.05 Remove Item - Intake SW-507, Top Only
- 6.06 Remove Item - Intake SW-507, Throat Only
- 6.09 Remove Item - Intake Repair
- 7.01 Increase Contract Item - PCC Pavement, Class C, 10.5 Inch
- 7.02 Decrease Contract Item - Curb and Gutter, 1.5 Feet, 10 Inch
- 7.04 Increase Contract Item - HMA Overlay Pavement
- 7.06 Decrease Contract Item - Full Depth Patches
- 7.07 Increase Contract Item - Pavement Removal
- 7.09 Increase Contract Item - Curb and Gutter Removal
- 9.01 Increase Contract Item - Hydraulic Seeding, Fertilizing and Mulching
- 9.04 Remove Item - Inlet Protection Device, Type B
- 9.05 Remove Item - Inlet Protection Device Maintenance
- 11.02 Add Item - Additional Cost for M4 Mix at Menards Driveway
- 11.03 Add Item - Construction Speed Limit Implementation
- 11.04 Add Item - Patch Two Intakes

2. Reason for Change:

- 2.01, 6.02, 6.03, 6.05, 6.06, 6.09, 9.04, and 9.05 Work not completed on project
- 4.01 Relocated Intake required additional pipe
- 7.01, 7.02, 7.06, 7.07, 7.09, and 9.01 Adjustment for field quantity
- 7.04 Milled extra on edges (City agreed at Pre-Con) resulting in 33% overage in quantity
- 11.02 Agreed to M4 mix to quickly open the Menards driveway prior to the holiday weekend
- 11.03 All agreed to improve worker and construction safety to reduce speed limit to 25 mph
- 11.04 Intakes needed repair prior to replacing curb and gutter adjacent to intake

3. Settlement for the cost of making the change shall be as follows:

Item No.	Item Description	Quantity	Unit	Unit Price	Total Price
2.01	Subgrade Preparation	-491	SY	\$6.00	(\$2,946.00)
4.01	Storm Sewer, Trenched, Class III RCP, 15"	50	LF	\$72.60	\$3,630.00
6.02	Remove Existing Intake, Top Only	-9	Each	\$330.00	(\$2,970.00)
6.03	Remove Existing Intake, Throat Only	-3	Each	\$495.00	(\$1,485.00)
6.05	Intake SW-507, Top Only	-9	Each	\$1,320.00	(\$11,880.00)
6.06	Intake SW-507, Throat Only	-3	Each	\$2,090.00	(\$6,270.00)
6.09	Intake Repair	-1	LS	\$1,320.00	(\$1,320.00)
7.01	PCC Pavement, Class C, 10.5 Inch	2	SY	\$90.20	\$180.40
7.02	Curb and Gutter, 1.5 Feet, 10 Inch	-52	LF	\$48.40	(\$2,516.80)
7.04	HMA Overlay Pavement	665.98	TON	\$96.50	\$64,267.07
7.06	Full Depth Patches	-113.6	SY	\$96.80	(\$10,996.48)
7.07	Pavement Removal	2	SY	\$45.00	\$90.00
7.09	Curb and Gutter Removal	86	LF	\$8.00	\$688.00
9.01	Hydraulic Seeding, Fertilizing and Mulching	0.05	Acre	\$16,000.00	\$800.00
9.04	Inlet Protection Device, Type B	-2	Each	\$370.00	(\$740.00)
9.05	Inlet Protection Device Maintenance	-2	Each	\$55.00	(\$110.00)
11.02	Add Cost ofr M4 Mix at Menards Drwy	1	LS	\$1,802.90	\$1,802.90
11.02	Construction Speed Limit Implementation	1	LS	\$1,897.50	\$1,897.50
11.03	Patch Two Intakes	1	LS	\$809.60	\$809.60
TOTAL					\$32,931.19

4. This change order will result in a net change in the contract completion time of 0 days and a net change in the cost of the project of \$3,850.00 divided as follows:

	Contract Amount	Contract Date
Approved funds and contract completion date as per (Engineer's Estimate, Contract or last approved C.O.)	\$597,849.30	January 27, 2014
Change due to this C.O. (+ or -)	\$32,931.19	
Totals including this C.O.:	\$630,780.49	August 15, 2014

The change described herein is understood, and the terms of settlement are hereby agreed to:

Fort Dodge Asphalt, Inc
CONTRACTOR

By: Jel Bauman

DATE: 8/28/14

Snyder & Associates, Inc.
ENGINEER

By: Todd Knox

DATE: 7/2/14

City of Fort Dodge
OWNER

By: _____

DATE: _____