

City of Fayetteville Item Review Form

2013-0139

Legistar File Number

12/3/13

City Council Meeting Date - Agenda Item Only

N/A for Non-Agenda Item

David Jurgens

Submitted By

Utilities

Department

Action Required:

Approval of Change Order 1 with with General Construction Solutions, Inc. for \$34,037.14 for the completion of Construction of FEMA Project, Location 22 Sanitary Sewer, construction in the vicinity of the entrance to the Cliffs apartments to repair sewer line damage cause by flooding in the spring of 2011, Bid 13-38, and approval of a budget adjustment.

Does this item have a cost? Yes

\$34,037.00

Cost of this request

\$34,037.00

Category or Project Budget

FEMA 2011 Contracts

Program or Project Name

5400.5700.5315.00

Account Number

\$0.00

Funds Used to Date

2011 FEMA

Program or Project Category

11020.5400

Project Number

\$0.00

Remaining Balance

Disaster/Replacement

Fund Name

Budgeted Item? Yes

Budget Adjustment Attached? Yes

V20130812

Previous Ordinance or Resolution # 167-13

Original Contract Number: 2295

Comments:

Paul A. Beck 11-15-13
Paul A. Beck 11-18-2013
Jim Mac 11-18-13
Tronell Jordan 11/19/13


3:53 pm 11/15/13
dm

ENTERED
11/18/13 BREP

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To: Fayetteville City Council

Thru: Mayor Lioneld Jordan
 Don Marr, Chief of Staff

From: David Jurgens, Utilities Director 
 Fayetteville Water and Sewer Committee

Date: November 5, 2013

Subject: Change Order 1 with General Construction Solutions, Inc. for FEMA Related Sewer Repairs at The Cliffs

RECOMMENDATION

City Administration recommends approval of Change Order 1 with General Construction Solutions, Inc. for \$34,037.14 for the completion of Construction of FEMA Project, Location 22 Sanitary Sewer, construction in the vicinity of the entrance to the Cliffs apartments to repair sewer line damage cause by flooding in the spring of 2011, Bid 13-38, and approval of a budget adjustment.

BACKGROUND

In spring 2011, the City experienced a period of extensive rainfall and suffered severe flooding. The incident was declared a national disaster by the President. The City's water and sewer systems experienced a variety of damage, including some locations where the water or sewer lines completely washed out. The City has worked with FEMA to obtain partial reimbursement of the costs incurred. For this particular site, where we are replacing the original line with a larger line on a new routing, installing a line that will meet 100 year capacity requirements, so most of the cost is the City's responsibility for upgrades. FEMA's reimbursement is based on a \$5,027.75 repair, so FEMA is reimbursing \$3,770.81, the State of Arkansas portion is \$628.47, and the City's portion is \$138,619.86.

DISCUSSION

This job installed 253' of 12" and 18" sewer pipe and three manholes across the Cliffs driveway. The existing pipe was an old 10" clay line with a very poor alignment. There were significant unforeseeable utility and storm drainage conflicts in this area that could not be identified before work began, the sewer line was encased in concrete (which was not shown on the as-builts), and the excavation was as much as 17' deep. These greatly increased the difficulty. Major increases are listed below. Even with this increase, the total cost of this contract (143,019.14) is well below the second low bid of \$189,473, which would also have increased due to these issues.

- Remove concrete encasement from the existing sewer line in the vicinity of MH 540. The concrete encasement was not identified on the as-builts, and thus was not reflected on the drawings. An increase of \$4,950.00.
- Install concrete anchors on the steel encasement crossing the creek at the direction of the City of Fayetteville. This was not identified on the drawings. An increase of \$1,252.00.
- Reroute line and add manhole to avoid storm drainage and increased pavement repair, \$15,170.14.
- Hand dig to locate a fiber optic telephone line that was not shown on the drawings. The final depth of the fiber optic line was 15 feet. The crew was shut down for two days. An increase of \$7,790.00.
- The Contractor had to cut and plug abandoned 8" and 10" high pressure gas mains at The Cliffs driveway. The gas mains were not shown on the drawings in this area. The Contractor did have to work around abandoned high pressure gas mains on the south side of the creek that were identified on the drawings. An increase of \$4,875.00.
- Concrete Pavement / Sidewalk – The bid quantity was estimated to be 12 square yards. The actual quantity was 215.22 square yards. An increase of \$21,293.39.

Original Contract General Construction Solutions	\$ 108,982.00
Change Order	\$ 34,037.14
Total Contract General Construction Solutions	\$ 143,019.14
Goodwin & Goodwin, Inc. (Second Low Bidder)	\$ 189,473.00

BUDGET IMPACT

These additional costs are covered by project 02017, Sanitary Sewer Rehabilitation.

RESOLUTION NO. _____

A RESOLUTION APPROVING CHANGE ORDER NO. 1 TO THE CONTRACT WITH GENERAL CONSTRUCTION SOLUTIONS, INC. IN THE AMOUNT OF \$34,037.14 FOR THE COMPLETION OF CONSTRUCTION ON FEMA PROJECT, LOCATION 22 SANITARY SEWER NEAR THE ENTRANCE TO THE CLIFFS APARTMENTS RELATED TO SPRING 2011 FLOODING, AND APPROVING A BUDGET ADJUSTMENT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF FAYETTEVILLE, ARKANSAS:

Section 1. That the City Council of the City of Fayetteville, Arkansas hereby approves Change Order No. 1 to the contract with General Construction Solutions, Inc. in the amount of \$34,037.14 for the completion of construction on FEMA project, Location 22 Sanitary Sewer near the entrance to the Cliffs Apartments related to Spring 2011 flooding.

Section 2. That the City Council of the City of Fayetteville, Arkansas hereby approves a budget adjustment, a copy of which is attached to this Resolution as Exhibit "A".

PASSED and APPROVED this 3rd day of December, 2013.

APPROVED:

ATTEST:

By: _____
LIONELD JORDAN, Mayor

By: _____
SONDRA E. SMITH, City Clerk/Treasurer

CONTRACT CHANGE ORDER	Change Order No. <u>1</u> Page <u>1</u> of <u>2</u>
	City Contract # <u>2295</u> Schedule _____
	City Resolution # <u>167-13</u> Date <u>10/25/2013</u>

City Project No.: <u>11020</u>	Location: <u>Fayetteville, Arkansas</u>
Project Name: <u>FEMA Project, Location 22 Sanitary Sewer</u>	Contractor: <u>General Construction Solutions, Inc.</u>
Owner: <u>City of Fayetteville</u>	Address: <u>1951 Electric Avenue</u>
Address: <u>113 West Mountain</u>	<u>Springdale, AR 72764</u>
<u>Fayetteville, AR 72701</u>	

THE FOLLOWING CHANGES ARE HEREBY AMENDED INTO THE CONTRACT PLANS AND SPECIFICATIONS:

ITEM #	DESCRIPTION	DECREASE	INCREASE
1	Change order for unforeseen conditions and reconcile contract quantities. See attached breakdown.		\$34,037.14
TOTAL DECREASE AMOUNT		\$0.00	
TOTAL INCREASE AMOUNT			\$34,037.14
NET CHANGE ORDER			\$34,037.14

<u>CHANGE TO CONTRACT AMOUNT:</u>	<u>TOTAL AMOUNT</u>	<u>ENGINEERS FINAL ELIGIBLE AMOUNT</u>
Original Contract Amount	\$108,982.00	\$108,982.00
Total Previous Change Order(s)	\$0.00	\$0.00
Net Amount This Change Order	\$34,037.14	\$34,037.14
TOTAL CONTRACT AMOUNT TO DATE	\$143,019.14	\$143,019.14

CHANGE TO CONTRACT COMPLETION DATE:

Original Completion Date October 26, 2013

Previous Adjusted Completion Date _____

(Increase)(Decrease) This Change Order 21 Calendar Days

NEW CONTRACT COMPLETION DATE: November 16, 2013

RECOMMENDED:	<u>CITY OF FAYETTEVILLE</u> Owner		
BY:		<u>Utilities Director</u>	<u>13 Nov 13</u>
	Signature	Title	Date
ACCEPTED:	<u>GENERAL CONSTRUCTION SOLUTIONS, INC.</u> Contractor		
BY:		<u>President</u>	<u>11/4/13</u>
	Signature	Title	Date
APPROVED:	<u>CITY OF FAYETTEVILLE</u> Owner		
BY:	_____	_____	_____
	Signature	Title	Date

Cost Breakdown for Change Order

Item	Description	Unit	Unit Cost	Contract Estimated Quantity	Contract Actual Quantity	Adjust +/-	Adjusted Contract Amount
1	Mobilization	LS	\$ 5,200.00	1	1	0.00	\$ -
2	Trench & Safety Systems	LS	\$19,500.00	1	1	0.00	\$ -
3	Erosion Control	LS	\$ 1,475.34	1	1	0.00	\$ -
4	12" SDR-26 PVC Sewer Pipe	LF	\$ 96.98	61	116	55.00	\$ 5,333.90
5	18" DIP Sewer Pipe, Protecto 401 Lined	LF	\$ 207.06	206	136.5	-69.50	\$ (14,390.67)
6	30" Diameter Steel Encasement, Direct Bury	LF	\$ 266.54	42	42	0.00	\$ -
7	48" Diameter Manhole	EA	\$ 2,687.66	2	3	1.00	\$ 2,687.66
8	48" Diameter Manhole, Extra Depth	VF	\$ 153.40	14	16.34	2.34	\$ 358.96
9	Connect to Existing Manhole and Plug Existing Line	EA	\$ 1,534.60	2	2	0.00	\$ -
10	Concrete Pavement / Sidewalk	SY	\$ 104.78	12	215.22	203.22	\$ 21,293.39
11	Fence Repair / Replacement	LF	\$ 136.50	25	25	0.00	\$ -
12	Abandon Existing Manhole	EA	\$ 1,301.63	2	2	0.00	\$ -
13	Plug and Remove Existing Sewer Line Stream Crossing	LS	\$ 1,612.00	1	1	0.00	\$ -
14	Topsoil / Sod / Landscape Replacement	LS	\$ 1,482.00	1	1	0.00	\$ -
15	Acceptance Inspection by CCTV	LF	\$ 7.80	267	252.5	-14.50	\$ (113.10)
	Reconcile bid quantities						\$15,170.14
16	Remove concrete encasement from existing sewer line in vicinity of MH 540. Crew was shut down one day.	LS	\$ 4,950.00	0	1	1.00	\$ 4,950.00
17	Install concrete anchors for encasement crossing creek	LS	\$ 1,252.00	0	1	1.00	\$ 1,252.00
18	Hand dig to locate fiber optic telephone line not shown on construction drawings. Final depth was 15 feet. Crew was shut down for two days.	LS	\$ 7,790.00	0	1	1.00	\$ 7,790.00
19	Cut and plug abandoned 8" and 10" high pressure gas mains not shown on construction drawings. Crew was shut down one day.	LS	\$ 4,875.00	0	1	1.00	\$ 4,875.00
	Total Change Order						\$34,037.14