

City of Fayetteville Staff Review Form

2022-0686

Legistar File ID

8/16/2022

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Matt Casey

7/26/2022

ENGINEERING (621)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff recommends approval of Change Order 5 with Tri-Star Contractors in the amount of \$264,597.22 for the Zion Road - Vantage to Crossover project, approval of \$120,000 additional project contingency (Water/Sewer = \$85,000, Transportation = \$35,000), and approval of a budget adjustment.

Budget Impact:

5400.860.5700-5815.00	5400 - Water & Sewer																														
Account Number	Fund																														
11011.2019.7212	Zion Rd. Improvements																														
Project Number	Project Title																														
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Purchase Order Number: 2020-00000589

Previous Ordinance or Resolution # V20210527
194-20

Change Order Number: 4

Approval Date: _____

Original Contract Number: 2020-00000043

Comments: Item Cost is equal to the change order amount; Budget Adjustment is equal to change order amount plus W/S contingency



MEETING OF AUGUST 16, 2022

TO: Mayor and City Council

THRU: Susan Norton, Chief of Staff
Chris Brown, Public Works Director
Tim Nyander, Utilities Director

FROM: Matt Casey, Engineering Design Manager

DATE: July 27, 2022

SUBJECT: **Approval of Change Order 5 with Tri-Star Contractors in the amount of \$264,597.22 for the Zion Road – Vantage to Crossover project, approval of \$120,000 additional project contingency and approval of a budget adjustment.**

RECOMMENDATION:

Staff recommends approval of Change Order 5 with Tri-Star Contractors in the amount of \$264,597.22 for the Zion Road - Vantage to Crossover project, approval of \$120,000 additional project contingency (Water/Sewer = \$85,000, Transportation = \$35,000), and approval of a budget adjustment.

BACKGROUND:

On June 24, 2020 the City Council approved a contract with Tri Star Contractors, LLC for the construction of this project. Construction began in September of 2020 and is expected to be complete in the Fall of 2022.

DISCUSSION:

As part of this roadway project, the Utilities Department added the construction of a 15" diameter sanitary sewer main that extends from Old Missouri Road to the east side of Crossover Road. This sewer main will serve areas of the city east of Crossover Road and will remove the need for future lift stations in this area. The sanitary sewer main was designed to be installed under the existing asphalt pavement along Zion Road. The sewer trench was planned to be patched with concrete and then covered with the asphalt overlay from the roadway project. During installation of the sanitary sewer main under the existing pavement, the contractor experienced very poor soil conditions under the roadway. The contractor is taking every precaution to protect the existing pavement and is using standard trenching practices, however the soils are so poor that the roadway adjacent to the sewer trenching is failing as soon as the trenches are dug, not allowing time for the contractor to install the shoring used to hold the soils in place. Given the size of the sewer trench and the additional area of failure, there will be only a few feet of asphalt pavement left to salvage. The City Engineering staff evaluated the options and recommended that the full depth roadway reconstruction continue in this area similar to what is included in the roadway portion of the project directly west of this location. This change order includes that addition of the quantities and bid items

necessary for this roadway repair. In addition to the roadway repair items, certain bid item prices are being adjusted to account for inflation and fuel increases.

The City Council usually approves project contingency with projects of this nature. The contingency provides additional funds beyond the contract amount to account for unexpected items that are discovered during construction. City staff typically requests 10% contingency for approval. Given the total cost of this project a project contingency of 5% was requested. Unfortunately, the changes encountered in this project were more than expected and will exceed the approved 5% contingency. For that reason, staff is requesting an approval of additional contingency of \$85,000 for the water and sewer portion and \$35,000 for the transportation portion of the project.

BUDGET/STAFF IMPACT:

Roadway and drainage improvements are funded by the Transportation Bond Program, and water/sewer relocations in this project are funded by the Water and Sewer Fund Capital Improvement project appropriation. The Water and Sewer Fund will fund the additional costs of this change order.

	CONTRACT		CONTINGENCY	
	Transportation Bond	Water/Sewer	Transportation Bond	Water/Sewer
Tri Star Contractors				
Original (Legistar 2020-0528)	\$ 4,395,109.35	\$ 2,424,965.85	\$ 220,000.00	\$ 121,000.00
CO 1 (Legistar 2021-0213)	-	13,000.00	-	(13,000.00)
CO 2 (Legistar 2021-0495)	61,737.50	98,966.00	(61,737.50)	(98,966.00)
CO 3 (Legistar 2021-1015)	-	9,000.00	-	(9,000.00)
CO 4 (Legistar 2022-0685)	-	145,334.87	(145,334.87)	-
CO 5 (Legistar 2022-0686)	-	264,597.22	35,000.00	85,000.00
	<u>\$ 4,456,846.85</u>	<u>\$ 2,955,863.94</u>	<u>\$ 47,927.63</u>	<u>\$ 85,034.00</u>

PURCHASE ORDER DETAIL

GL ACCOUNT	PROJECT	AMOUNT
5400.860.5700-5815.00	11011.2019.7212	\$ 264,597.22

Attachments:
Change Order 5



CHANGE ORDER

Contract Title: Zion Road Phase II Improvements

Change Order No. 5

Date of Issuance September 1, 2022

To Contractor: **TRI-STAR CONTRACTORS LLC**
 The Contract is changed as follows:

ORDINANCE/RESOLUTION:194-20
 Effective September 1, 2022

Contract	Bid Item	Bid Item	Previous Estimated	Unit of Measure	Contract Unit Price	Revised Estimated	Revised Unit Price	Original Estimated Cost	Revised Estimated Cost
Changes	No.	Description	Quantity	Measure	Price	Quantity	Price	Cost	Cost
	3-43	ACHM Superpave Binder Course CO-2	500.00	TON	\$115.00	795.00	\$139.86	57,500.00	\$111,188.70
	3-45	Demolition of Existing Asphalt CO-4	0.00	SY	\$0.00	2650.00	\$10.00	-	\$26,500.00
	3-46	Unclassified Excavation-Sewer-CO-4	0.00	CY	\$0.00	3300.00	\$8.75	-	\$28,875.00
	3-47	Select Embankment-Sewer-CO-4	0.00	CY	\$0.00	2800.00	\$11.75	-	\$32,900.00
	3-48	8" Class 7 Aggregate Base Course-Sewer-CO-4	0.00	SY	\$0.00	3230.00	\$13.21	-	\$42,668.30
	3-49	Subgrade Preparation-Sewer-CO-4	0.00	SY	\$0.00	3230.00	\$2.00	-	\$6,460.00
	3-50	Undercut and Backfill (Allowance)-Sewer-CO-4	0.00	CY	\$0.00	1000.00	\$22.00	-	\$22,000.00
	161	15-inch PVC SDR-26 Gravity Sewer Main	2430.00	LF	\$65.00	1133.00	\$65.00	157,950.00	\$73,645.00
	3-51	15-inch PVC SDR-26 Gravity Sewer Main-CO-4	0.00	LF	\$0.00	1297.00	\$67.53	-	\$87,586.41
	163	8-inch PVC SDR-26 Sewer Main	1000.00	LF	\$55.00	538.00	\$55.00	55,000.00	\$29,590.00
	3-52	8-inch PVC SDR-26 Sewer Main-CO-4	0.00	LF	\$0.00	462.00	\$57.06	-	\$26,361.72
	166	16-Inch D.I., Epoxy Lined w/Polywrap, Sewer Main	670.00	LF	\$140.00	670.00	\$142.58	93,800.00	\$95,528.60
	172	Sewer Main Trenching & Backfill, 10-14 Feet Deep	1365.00	LF	\$15.00	1921.00	\$15.00	20,475.00	\$28,815.00
	173	Sewer Main Trenching & Backfill, 14-18 Feet Deep	350.00	LF	\$19.00	430.00	\$19.00	6,650.00	\$8,170.00
	192	Full Depth Class 7 Aggregate Base Course Backfill (Sewer)	3775.00	LF	\$15.00	2004.00	\$15.00	56,625.00	\$30,060.00
	3-53	Full Depth Class 7 Aggregate Base Course Backfill (Sewer)-CO-4	0.00	LF	\$0.00	2281.00	\$27.29	-	\$62,248.49

Summation of Cost 448,000.00 \$712,597.22
Net Cost for this Change Order \$264,597.22

Not valid until signed by the Owner

The original Contract Price was	\$ 6,820,075.20
Net change by previously authorized change orders	\$ 328,038.37
The Contract Price prior to this Change Order was	\$ 7,148,113.57
The Contract Price will be adjusted by	\$ 264,597.22
The new Contract Price including this Change Order will be	\$ 7,412,710.79
The Contract Time(s) will be increased by	0 calendar days
Required dates of Completion as of the date of this Change Order therefore are:	
Substantial Completion	21-Feb-22
Final Completion	23-Mar-22

NOTE: This summary does not reflect changes in the Contract Price or Time(s) which have been authorized by Work Change Directives not incorporated in this or previous Change Orders.

TRI-STAR CONSTRUCTORS LLC

CITY OF FAYETTEVILLE

Anthony W.F. Gooderson Sr. 7/26/22
 BY _____ DATE

 BY _____ DATE