



City of Grand Island

Tuesday, December 20, 2022

Council Session

Item G-13

**#2022-359 - Approving Change Order #1 for WMP 2021-W-1 -
Oak and Kimball from Koenig to Division**

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

From: Timothy Luchsinger, Utilities Director
Stacy Nonhof, Assistant City Attorney

Meeting: December 20, 2022

Subject: Change Order #1 for Water Main
Project 2021-W-1 – Oak and Kimball from Koenig to Division

Presenter(s): Timothy Luchsinger, Utilities Director

Background

Water Main Project 2021-W-1 installed approximately 2,445 linear feet of 8” diameter ductile iron pipe for water main within Oak Street and Kimball Avenue from Koenig Street to Division Street. The work replaced the existing 4” water mains within Oak Street and Kimball Avenue which were undersized and subject to multiple breaks. A site map is attached for reference.

Discussion

The original contract was awarded by City Council on August 24, 2021, in the amount of \$739,839.60 to Van Kirk Bros. Contracting of Sutton, Nebraska.

Additional items were required to complete the project. The contractor encountered corrosive soils that needed to be replaced with sand for backfilling around the newly installed ductile iron water main. Manufacturers have been charging surcharges for metal loads. High early concrete was poured for street sections in front of driveways to shorten inconvenience time to residents in the area. Due to groundwater elevations dropping significantly with only 3 dewatering wells installed on one street of the project but required to be running during the entirety of the project, additional well run time expenses were needed. Additional water main fittings were installed due to the existing water main being oversized. The total cost for additional items is \$53,906.00.

During construction, materials were added or deducted to complete the work. Unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract’s unit price. A significant portion of this deduct was due to less curb removed to facilitate the construction and only 3 dewatering wells required. This total is a deduct of \$62,619.89.

The original Engineer’s estimate was \$1,050,000.00. The original contract was for \$739,839.60. The total changes to the contract amount to a net deduct of \$8,713.89. This results in a final contract cost of \$731,125.71.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand.
The Council may:

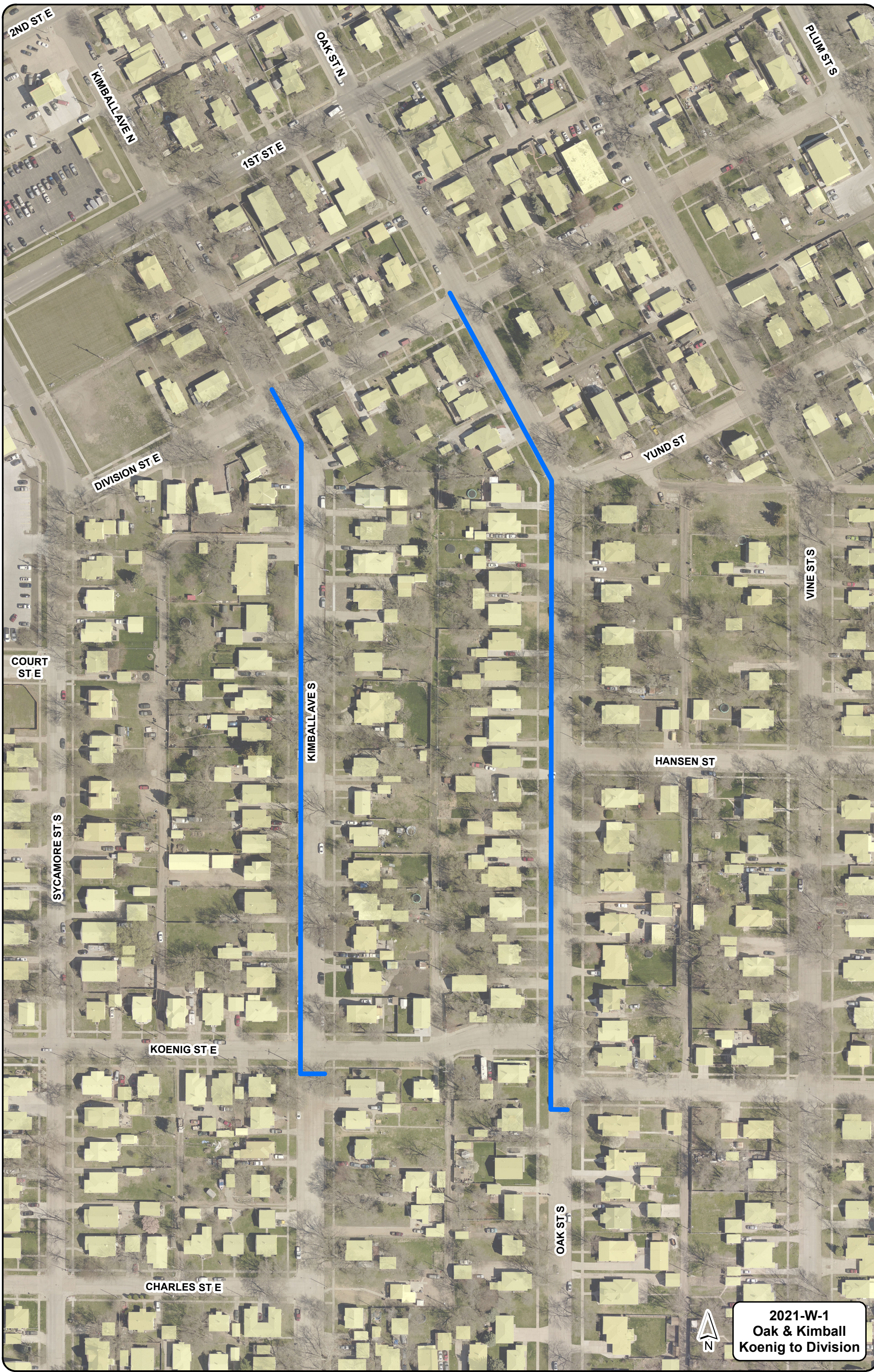
1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to a future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Change Order #1 to the Water Main Project 2021-W-1 Contract in the deduct amount of \$8,713.89, for a final contract amount of \$731,125.71.

Sample Motion

Move to approve the resolution approving Change Order #1 with Van Kirk Bros. Contracting to the Water Main Project 2021-W-1 Contract in the net deduct amount of \$8,713.89, for a final contract amount of \$731,125.71 and authorizing the Mayor to execute the same.



2021-W-1
Oak & Kimball
Koenig to Division

*Working Together for a
Better Tomorrow, Today.*

CHANGE ORDER #1

NAME OF PROJECT: Water Main Project 2021-W-1, OAK ST. AND KIMBALL AVE. FROM KOENIG ST. TO DIVISION ST.

CONTRACTOR: Van Kirk Bros. Contracting
 1200 West Ash Street, PO Box 585
 Sutton, NE 68979

OWNER: City of Grand Island, NE

THE FOLLOWING MODIFICATIONS TO THE CONTRACT ARE HEREBY ORDERED:

ITEM	DESCRIPTION	BID		Unit Price \$	INSTALLED		\$ +/-
		QUANTITY	UNIT		QUANTITY	UNIT	
D.1.01	8" R.J. D.I. PIPE	2,431.10	LF	\$95.00	2,444.50	LF	\$1,273.00
D.1.02	6" S.J. D.I. PIPE	117.50	LF	\$65.00	148.40	LF	\$2,008.50
D.1.03	4" S.J. D.I. PIPE	26.40	LF	\$85.00	27.10	LF	\$59.50
D.1.04	8 MIL. POLY WRAP	2,575.00	LF	\$1.50	2,620.00	LF	\$67.50
D.1.24	8" M.J. PLUG	2.00	EA	\$250.00	1.00	EA	-\$250.00
D.1.26	8" RETAINER GLANDS	52.00	EA	\$110.00	50.00	EA	-\$220.00
D.1.27	8" SOLID SLEEVE	5.00	EA	\$500.00	4.00	EA	-\$500.00
D.1.28	6"X45° M.J. BEND	3.00	EA	\$312.00	5.00	EA	\$624.00
D.1.29	6" M.J. PLUG	1.00	EA	\$215.00	3.00	EA	\$430.00
D.1.30	6" RETAINER GLANDS	24.00	EA	\$68.00	36.00	EA	\$816.00
D.1.37	THRUST BLOCK	12.00	EA	\$100.00	14.00	EA	\$200.00
D.1.38	4" I-BEAM BLOCK	3.00	EA	\$185.00	1.00	EA	-\$370.00
D.1.39	6" I-BEAM BLOCK	2.00	EA	\$268.00	1.00	EA	-\$268.00
D.1.40	CONCRETE PLUG	8.00	EA	\$50.00	9.00	EA	\$50.00
D.1.43	2" TYPE K COPPER PIPING	23.00	LF	\$50.00	23.70	LF	\$35.00
D.1.44	2" ROMAC MACRO HP EX RANGE COUPLING	1.00	EA	\$300.00	0.00	EA	-\$300.00
D.1.48	1.5" TYPE K COPPER PIPING	64.00	LF	\$42.00	59.00	LF	-\$210.00
D.1.49	1" CORPORATION STOP	3.00	EA	\$210.00	4.00	EA	\$210.00
D.1.51	1" TYPE K COPPER PIPING	172.00	LF	\$35.00	180.60	LF	\$301.00
D.1.53	3/4" CURB STOP	63.00	EA	\$313.00	54.00	EA	-\$2,817.00
D.1.55	CURB STOP BOX	68.00	EA	\$100.00	62.00	EA	-\$600.00
D.1.54	3/4" TYPE K COPPER PIPING	2,459.50	LF	\$29.00	2,162.00	LF	-\$8,627.50
D.1.56	SERVICE RECONNECTION	76.00	EA	\$185.00	77.00	EA	\$185.00
D.1.57	UNDERGROUND CLAMPS	1.00	EA	\$275.00	0.00	EA	-\$275.00
D.1.58	DUC-LUGS AND REDI-ROD	2.00	SETS	\$100.00	0.00	SET	-\$200.00
D.1.59	ABANDON VALVE IN PLACE	4.00	EA	\$100.00	6.00	EA	\$200.00
D.1.62	REMOVE AND SALVAGE VALVE BOX TO CITY	5.00	EA	\$100.00	6.00	EA	\$100.00
D.1.63	REMOVE AND SALVAGE EXIST. WATER MAIN TO CITY	42.50	LF	\$30.00	79.90	LF	\$1,122.00
D.1.64	REMOVE ROADWAY	1,694.40	SY	\$8.50	1,545.20	SY	-\$1,268.20

		BID			INSTALLED		
ITEM	DESCRIPTION	QUANTITY	UNIT	Unit Price \$	QUANTITY	UNIT	\$ +/-
D.1.65	REPLACE ROADWAY (47B MODIFIED)	1,694.40	SY	\$60.00	1,551.50	SY	-\$8,574.00
D.1.66	REMOVE CURB	1,114.30	LF	\$6.00	489.80	LF	-\$3,747.00
D.1.67	REPLACE CURB	1,114.30	LF	\$38.00	489.80	LF	-\$23,731.00
D.1.68	REMOVE DRIVEWAY	11.30	SY	\$10.00	2.70	SY	-\$86.00
D.1.69	REPLACE DRIVEWAY	11.30	SY	\$68.00	2.70	SY	-\$584.80
D.1.70	REMOVE SIDEWALK	1,229.60	SF	\$1.00	1,452.70	SF	\$223.10
D.1.71	REPLACE SIDEWALK	1,229.60	SF	\$6.25	1,452.70	SF	\$1,394.38
D.1.74	SODDING	4,752.00	SF	\$3.75	9,607.90	SF	\$18,209.63
D.1.75	WELLHEAD	6.00	LS	\$12,500.00	3.00	LS	<u>-\$37,500.00</u>
SUBTOTAL D.1.01-D.1.75 (DEDUCT):							(\$ 62,619.89)

-	REMOVE POOR MATERIAL AND REPLACE WITH SAND	-	-	\$35.00	727.10	CY	\$25,448.50
-	IRON LOAD SURCHARGE	-	-	\$9,675.00	1.00	LS	\$9,675.00
-	HIGH EARLY CONCRETE MATERIAL DIFFERENCE	-	-	\$6.12	187.50	SY	\$1,147.50
-	4" M.J. PLUG	-	-	\$200.00	1.00	EA	\$200.00
-	8"X1.5" TAPPING SADDLE	-	-	\$360.00	1.00	EA	\$360.00
-	6" HYMAX COUPLING	-	-	\$675.00	6.00	EA	\$4,050.00
-	6"X6" M.J. TEE	-	-	\$525.00	1.00	EA	\$525.00
-	EXTRA WELL RUN TIME	-	-	\$12,500.00	1.00	LS	<u>\$12,500.00</u>

SUBTOTAL ADDITIONAL ITEMS (ADD): \$ 53,906.00

THIS CHANGE ORDER AMOUNT (DEDUCT): (\$ 8,713.89)
ORIGINAL CONTRACT AMOUNT: \$ 739,839.60
REVISED CONTRACT AMOUNT (including this Change Order) **\$ 731,125.71**

REASONS FOR MODIFICATIONS:

During the process of constructing the contract, materials were added or deducted to complete the work. Unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract's unit prices. A significant portion of this deduct was due to less curb removed to facilitate the construction and only needing 3 dewatering wells. However, the sod quantity was increased due to restoration around the dewatering wells and additional restoration due to larger areas disturbed during water service installation. Additional items were required to complete the project. The contractor encountered corrosive soils that needed to be replaced with sand. Manufacturers have also been charging surcharges for metal loads. High early concrete was poured for street sections in front of driveways to shorten inconvenience time to residents in the area. Due to groundwater elevations dropping significantly with only 3 wells on one street of the project but required to be running during the entirety of the project, additional well run time expenses were needed. Additional water main fittings were installed due to the existing water main being oversized.

Contractor: _____
Van Kirk Bros. Contracting

Date: _____

Owner: _____
City of Grand Island, NE

Date: _____

RESOLUTION 2022-359

WHEREAS, Water Main Project 2021-W-1 installed an 8" diameter ductile iron water main within Oak Street and Kimball Avenue from Koenig Street to Division Street; and

WHEREAS, the original contract was awarded by Council on August 23, 2021, in the amount of \$739,839.60 to Van Kirk Bros. Contracting, of Sutton, Nebraska; and

WHEREAS, during the process of constructing the water main, materials were added or deducted to complete the work and unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract's unit price; and

WHEREAS, the cost of the total additional items for purposes of a change order is \$53,906.00, a sum which exceeds the department's change order authority; and

WHEREAS, the cost of the total deductions for purposes of a change order is a credit of \$62,619.89; and

WHEREAS, the original contract amount was \$739,839.60, and the net change to the contract amount from the additions and deductions above is equal to a deduct (credit) of \$8,713.89, resulting in a final contract cost of \$731,125.71.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 for the construction of Water Main Project 2021-W-1 in the net deduct amount of \$8,713.89 and a final contract cost of \$731,125.71, is approved, and the Mayor is hereby authorized to execute Change Order #1 on behalf of the City of Grand Island.

BE IT FURTHER RESOLVED that the Mayor and designees are hereby authorized to take all actions necessary to effect the purpose of this Resolution.

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Adopted by the City Council of the City of Grand Island, Nebraska, December 20, 2022.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	by _____
December 16, 2022	City Attorney