City of Carroll

112 E. 5th Street Carroll, Iowa 51401-2799 (712) 792-1000 FAX: (712) 792-0139

MEMO TO: Mike Pogge-Weaver, City Manager MSPW

FROM: Randall M. Krauel, Public Works Director RMK

DATE: March 17, 2021

SUBJECT: Water Distribution Main Replacements – 2020
Change Order No. 2

On July 13, 2020, Work Change Directives No. 1 & 2 for the Water Distribution Main Replacements – 2020 project were authorized. A summary of Work Change Directives No. 1 & 2 provided on July 13, 2020, is as follows:

Work Change Directive No. 1

The June 16, 2020, Longitudinal Pipeline Agreement with the Railroad requires the use of ductile iron pipe (DIP) within Railroad property. The location of construction on Railroad property is along the southerly line of the property from Crawford Street to Carroll Street. The Contractor has proposed directionally boring practically all of the watermain within Railroad property. Work Change Directive No. 1 deletes the bid pricing for polyvinyl chloride (PVC) pipe within the Railroad property and adds a proposed cost for DIP. The net difference is an increase of $33,786.00.

Work Change Directive No. 2

The project was prepared and bid with the majority of the watermain to be installed in open cut. Following award of the Contract, the Contractor proposed directionally boring several locations that were originally bid as open cut. A summary of the Contractor's proposal included in Work Change Directive No.2 compared to the bid is as follows:

Location	Bid	Contractor Proposal
Crawford Street: 3rd St. to U.P.R.R.	Open Cut	Directional Bore
U.P.R.R.: Crawford St. to Carroll St.	Open Cut/Directional Bore	Directional Bore WCD No. 1
West Street: 3rd St. to U.P.R.R.	Open Cut	Directional Bore
Whitney Street: 1st St. to Crawford St.	Open Cut	Directional Bore/Open Cut
Court Street: M. Raccoon River to Bluff St.	Open Cut	Directional Bore
East Street: 2nd St. to 3rd St.	Directional Bore	Directional Bore

The Contractor is proposing the extensive directional boring to decrease the impact to adjacent property owners.

Work Change Directive No. 2 does not include an increase in Contract price. Acceptance of the directional boring will reduce the cost of some bid items including pavement removal and replacement. The Contractor's compensation for directional boring and associated work is the bid price for open cut watermain installation and the remaining cost of items such as pavement removal and replacement not otherwise installed on the project. The final cost to directional bore as proposed will not exceed the bid price, except as modified by other Work Change Directives or Change Orders.

Proposed Change Order No. 2 has now been prepared as attached to incorporate Work Change Directives No. 1 & 2 into the project Contract. The total cost of proposed Change Order No. 2 is the Work Change Directive Cost of $33,786.00.

The effect of proposed Change Order No. 2 on the Contract price is as follows:

Original Contract Price	$797,071.00
Change Order No. 1	$7,255.00
Proposed Change Order No. 2	$33,786.00
Contract Price w/Change Orders	$838,112.00

No change in Contract time is included in proposed Change Order No. 2.

RECOMMENDATION: Mayor and City Council consideration of acceptance of Change Order No. 2 to the Water Distribution Main Replacement – 2020 project Contract in the amount of $33,786.00.

RMK:ds

attachments (2)

CITY OF CARROLL

CHANGE ORDER
NO. 2

PROJECT: **WATER DISTRIBUTION MAIN REPLACEMENTS - 2020**
OWNER: City of Carroll, Iowa
CONTRACTOR: King Construction
OWNER's Contract No.: Resolution #20-37
ENGINEER: JEO Consulting Group, Inc.

EFFECTIVE DATE: March 22, 2021

You are directed to make the following changes in the Contract Documents:

Description: See Attached

Reason for Change Order: See Attached

Attachments: Attachment A

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: $ 797,071.00	Original Contract Times: Substantial Completion: 180 days Ready for Final Payment: 210 days
Net Increase (~~Decrease~~) from previous Change Orders No. -- to --: $ 7,255.00	Net change from previous Change Order No. 1: Substantial Completion: 0 days Ready for Final Payment: 0 days
Contract Price prior to this Change Order: $ 804,326.00	Contract Times prior to this Change Order: Substantial Completion: 180 days Ready for Final Payment: 210 days
Net Increase (~~decrease~~) of this Change Order: $ 33,786.00	Net increase (decrease) this Change Order: Substantial Completion: 0 days Ready for Final Payment: 0 days
Contract Price with all approved Change Orders: $ 838,112.00	Contract Times with all approved Change Orders: Substantial Completion: 180 days Ready for Final Payment: 210 days

RECOMMENDED:	APPROVED:	ACCEPTED:
City of Carroll	City of Carroll	King Construction
By: _____	By: _____	By: _____
Randall M. Krauel, City Engineer	Eric P. Jensen, Mayor	(Authorized Signature)
Date: March 17, 2021	Date: March 22, 2021	Date: _____

WATER DISTRIBUTION MAIN REPLACEMENTS - 2020

CHANGE ORDER NO. 2
ATTACHMENT A

Description:

Addition of Work Change Directives No. 1 & 2 as summarized below to the Contract.

Work Change Directive No. 1

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Whitney Street: 1st St. to Crawford St.	Open Cut	Directional Bore/Open Cut
Court Street: M. Raccoon River to Bluff St.	Open Cut	Directional Bore
East Street: 2nd St. to 3rd St.	Directional Bore	Directional Bore

Reason for Change:

Work Change Directive No. 1: Longitudinal Pipeline Agreement with the Railroad requires the use of ductile iron pipe within Railroad property.

Work Change Directive No. 2: The Contractor is proposing extensive boring of watermain pipe to decrease the impact to adjacent property owners.

Cost:

Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
2.00	Watermain, Trenched, PVC (DR14), 8-inch	LF	(584)	$90.00	($52,560.00)
3.00	Watermain, Trenchless, PVC (DR14), 8-inch	LF	(200)	$96.00	($19,200.00)
3.10	Watermain, Trenchless, PVC (DR14), 8-inch				
45.00	Watermain, Trenched, DIP (CL52), 8-inch	LF	49	$129.00	$6,321.00
46.00	Watermain, Trenchless, DIP (CL52), 8-inch	LF	735	$135.00	$99,225.00
Total Change Order No. 2					$33,786.00