



Engineering Department

DATE: June 17, 2019
FROM: Gabe Schell, City Engineer
ITEM: Water Utility Project No. 119

REQUEST

Consider approval of Contract Change Order No. 4, Contract increase and revised project budget

Please place this item on the 6/25/2019 City Commission meeting agenda.

BACKGROUND INFORMATION

Water Utility Project 119 is the 2018 watermain replacement/pipe bursting project in the area from Avenue C and Avenue D between 24th and 25th Streets.

The project began in 2018 and was carried over into 2019. During the project, overruns on planned bid items occurred due to unforeseen changes in the field. This is not uncommon when encountering older infrastructure including changing out lead service lines, adding gate valves and additional tie ins.

In addition, several sewer services were also damaged in the bursting process and needed to be repaired. This damage was at no fault of the contractor given the close proximity of the existing water main to the sewer services.

Change Order No. 4 is for \$33,834.00. Previous approved change orders totaled \$44,755.50. The original contract budget was \$539,641.30 with an approved project budget of \$593,605.43.

As this project is nearly complete, we have reduced the contingency to 3%. Attached are the revised project budget and Change Order No.4

RECOMMENDED CITY COMMISSION ACTION

Approve Change Order No. 4 for WU 119 in the amount of \$33,834 and revised project budget in the amount of \$644,872.44.

STAFF CONTACT INFORMATION

Gabe Schell, PE | City Engineer, 355-1505 or gschell@bismarcknd.gov

CONTRACT CHANGE ORDER FORM

DEPARTMENT

City Department	<u>Engineering</u>		
Contractor	<u>Basaraba</u>		
Contract Number	<u>18-41</u>	Change Order Number	<u>4</u>
Project Number	<u>WU 119</u>	Change Order Date	<u>6/17/2019</u>
Project Description	<u>2018 Cast Iron Pipe Replacement - 24th/Ave D/Bursting</u>		
Original Contract Amount	\$ <u>490,583.00</u>	Approved Contract Budget	\$ <u>539,641.30</u>
Previous Contract Amount	\$ <u>535,338.50</u>		
Change Order Amount	\$ <u>33,834.00</u>		ACTION REQUIRED (SEE BELOW)
Proposed Contract Amount	\$ <u>569,172.50</u>	EXCEEDS APPROVED CONTRACT	
Within Project Scope	YES	Within Project Funding	NO COMMISSION APPROVAL
Contract Completion Date	<u>8/1/2019</u>	Change in Completion Date	NO
Revised Completion Date*		<i>*If completion date changed on this Change Order</i>	
Type of Change Order	<u>Design-related</u>	Work Order No(s).	<u>NA</u>

Description:

Extra work required to repair sewer services. 2 @ \$2,500 = \$5,000
 Additional non-bid item required: 2" Curb box 2 @ \$1,500 = \$3,000

Overrun on plan quantities due to changes made in field:

1" CB Stop and 1 1/2" Box (replaced additional old non-functional)	7 EA @ \$1800 = \$12,600
1" CU Water Service Pipe (replaced lead service lines)	152 LF @ \$42 = \$6384
8" Gate valve (added 2 additional at health dept requirement)	2 EA @ \$1850 = \$3700
6" Gate valve (additional required at 25th St/Ave C)	1 EA @ \$1200 = \$1200
10" Watermain (additional required at tie ins on 25th St)	13 LF @ \$150 = \$1950
	TOTAL = \$33,834

Project Manager Signature (≤\$15,000)		<u>6/17/19</u> Date	SIGN HERE
Department Head Signature (≤\$25,000)	_____	Date	SIGN HERE

ADMINISTRATION

City Administrator Signature (≤\$50,000)	_____	Date	SIGN HERE
Add to Commission Agenda			

COMMISSION APPROVAL

Commission Approval Date _____	COMMISSION APPROVAL REQUIRED
Attach minutes for Commission Approval	

FISCAL

Comments

REVISED PROJECT BUDGET

Number	WU 119	Description	2018 Pipe Bursting/Cast Iron Pipe Replacement
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Scheduled Start	7/9/2018	Scheduled End	8/1/2019
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Project Contracts

Project Construction Contracts		Amount
Basaraba Excavating and Dirt Works,LLC	-----	490,583.00
Change Order 1	-----	6,270.00
Change Order 2	-----	18,642.20
Change Order 3	-----	19,843.30
Change Order 4	-----	33,834.00
Total Construction Contracts		569,172.50

Engineering Contracts	Contract No.	Amount
Total City Wide Contracts		-

Added Items by Others -
-
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SUMMARY

TOTAL CONTRACT ITEMS	-----	569,172.50
CONTINGENCIES	3% -----	17,075.18
TOTAL CONSTRUCTION COST	-----	586,247.68

Contracted items Eng., Etc.	Contract No.	Amount
Total Contracts		-

Engineering	10.00%	-----	58,624.77
Administration	0.00%	-----	-
Advertising and Legal	0.00%	-----	-
Interest During Construction	0.00%	-----	-
WU 119 TOTAL PROJECT COST		-----	644,872.44

Project Funding		Amount
Water Utility Fund (2018 CIP)	-----	593,605.43
Water Utility Fund (2018 CIP)	-----	51,267.01
Total Funding		644,872.44

Date 6/17/2019