November 4, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

Subject: 2014 OHV Water Main Extension – Change Order #1

ACTION: For vote Monday, November 10, 2014

Brief History

For the past several years, the Capital Improvement Plans have included funding for extending the water service area to the south and serve the OHV campground. The existing water main at 5th Ave South and South 42nd Street will be extended to the south to provide service to the OHV Park.

On January 27, 2014, Council approved the contract with MER Engineering for engineering services through the bid letting with additional services to be authorized at a later date. The project will expand the City's water service area to the OHV Park by installing almost two miles of 16" water main. The project will be completed by March 1st ahead of the OHV campground opening.

MER Engineering has prepared the plans and specifications for the 2014 OHV Water Main Extension project. On August 11, 2014 Council approved setting bid letting date to receive bids for the project on August 28, 2014 at 3:00 p.m. A public hearing was set to approve the plans and specifications, form of contract, and estimate of costs for September 8, 2014 at 6:00 p.m.

A bid letting was held on August 28, 2014 at 3:00 p.m. and the following responsive bids were received:

Contractor	Base Bid (DIP Water Main)	Bid Alternate (PVC Water Main)
Carstensen Contracting Inc.	\$1,380,570.00	\$1,099,416.50
Keller Excavating Inc.	\$1,345,038.00	\$1,106,068.00
H & W Contracting LLC.	\$1,368,539.00	\$1,165,385.00
Holland Contracting Corp.	\$1,400,665.00	\$1,208,588.00
Nels Pederson Co., Inc	\$1,577,167.00	\$1,276,526.00
J & K	\$1,706,752.00	\$1,382,275.50

The Bid Alternate changed the water main pipe material from Ductile Iron Pipe Class 52 to C900 PVC.



On September 8, 2014, Council approved the plans and specifications, form of contract and estimate of costs for this project, as well as awarding the contract to Carstensen Contracting, Inc. and selects the Bid Alternate in the amount of \$1,099,416.50.

On October 13, 2014, Council approved an amendment to MER Engineering's contract to provide Phase III Project Construction Administration, Staking, Observation, and Final Inspection in the amount not to exceed of \$51,000.

Analysis of Issue

Change Order #1 is necessary to replace the PVC with DIP water main and add bends to the water main and remove concrete near 5th Ave S to avoid an existing telephone line. The contract price will be increased by \$5,409.69 for a new total of \$1,104,826.19. The change order is further described in the attached documents.

Budget Impact

The project will be funded from the Water Utility Fund.

Strategic Plan Impact

Policy D.4.2: Advanced planning for all infrastructure facilities shall be supported and routinely updated. Facilities benefited by advanced planning shall include, at minimum, schools, health care, residential areas, roads, water, sewer, storm water management, parks, recreation, and greenways.

Policy D.4.1: Recognizing that infrastructure has a powerful influence on growth and development, the availability of infrastructure (along with other factors) should determine where development will occur in the city, rather than the other way around.

Impact on Existing Plans: None.

<u>Committee Review / Recommendation:</u> None.

Staff Conclusions / Recommendations

Staff recommends approving Change Order #1 in the amount of \$5,409.69.

<u>Alternatives:</u> None recommended.

Tony Toword

Implementation and Accountability

The Engineering Department and MER Engineering will be responsible for overseeing this project.

Signed Approved

Tony Trotter, P.E. David Fierke

Project Engineer City Manager

CHANGE OR EXTRA WORK ORDER FORM C.O. #1

Project	Description: 2014 OHV \	Water Main Ex	xtension for the City of	Fort Dodge, IA
TO:	Carstensen Construc	tion Inc.		
You are	e hereby requested to make to your contract dated <u>Septe</u>	he following omber 8, 2014	changes from the plans	s or do the following extr
	Description of changes to be Delete Item 7A (Alternate), 7, 8" DIP Water Main Class Reason for ordering change	, 8" PVC C 90 s 52.	00 SDR 18 Water Main	
Item 2 -	Description of changes to be Add 2 - 45° bends and reme be lowered to miss an exist Reason for ordering change Telephone Company unable	e made or ext oval of addition ing telephone or extra work	ra work to be done: onal concrete on 5 th Av line.	e So so water main can
	ent for cost of work to be ma	ade as follows ANTITY		43.607.77.77
	PVC C900 SDR 18	22 LF	UNIT PRICE \$103.00 LF	AMOUNT
	DIP Water Main Class 52	20 LF	\$251.00 LF	-\$2,266.00 \$5,020.00
	See Attached Proposal		Ф201.00 D1	\$2,655.69
· -			TOT	AL \$5,409.69
approved	is acknowledged of this chard. ENSEN CONST., INC.	nge or extra w	ork order and terms of	Settlement are hereby $DATE \frac{1/3}{2014}$
		/ _F	1 -0	
MER EN	IGINEERING, INC.	BY	Au Kottar	DATE 11/3/14
CITY OF	FORT DODGE, IOWA	BY_		_DATE



1507 7th Street SE Pipestone, MN 56164 Phone: (507) 825-2026

Fax: (507) 825-2027

PROPOSAL

DATE:

October 31, 2014

NOTES:

Report No.

3

PROJECT:

Fort Dodge Watermain Improvements

PROJECT NO.:

14216

CONTRACTOR:

Carstensen Contracting Inc.

OWNER:

City of Fort Dodge

DESCRIPTION:

adding 2 45 degree bends for 16" waterline to clear under 300 pair wire for bore under 5th Street.

		Equipme	ent			T		Labor			
No. of		- 4-4		Hourly	Extended	Labor					
Items	Equipment Description		Hours	Rate	Amount	Description		Regular	Overtime	Hourly	Extende
			1100,0	11010	Allount	Description		<u>Hours</u>	Hours	Rate	Amoun
1 Excavalor 210 Backhoe 380 Case Loader 650k L10 Tool Seml Trailer Welder Small 20k General Work Trucks Laser Pipe Trailer			3.0	\$150.00	\$450.00		Project Superintendent			\$40.00	\$0
				\$125.00	\$0.00	1	Forman	3.5		\$35,00	\$122
				\$60.00	\$0.00		Labor	3.5		\$20,00	\$140.
				\$55.00	\$0.00		Labor			\$20.00	\$0.
				\$40.00	\$0.00	2	Pipe layer	3,5		\$25.00	\$175.
				\$20.00	\$0,00		Pipe layer			\$25.00	\$0.
				\$25.00	\$0.00		Operator	3.5		\$30.00	\$105.
				\$30,00	\$0.00		Operator			\$30,00	\$0.
				\$15.00	\$0,00		Operator			\$30.00	\$0.
		-		\$20.00	\$0.00					900.00	φυ,
	Gas Monitor			\$10.00	\$0.00		Project SuperIntendent-OT			\$60,00	\$0.
Whac	Metal Detector			\$10.00	\$0.00		Project Foreman-OT			\$52,50	\$0.
	Whacker compactor			\$15.00	\$0.00		Labor w/overtime			\$30,00	\$0.
	Trash Pump			\$15.00	\$0.00		Labor w/overtime			\$30.00	\$0.
	Chop Saw			\$15.00	\$0.00		Pipe layer W/ overtime			\$37.50	\$0,0
	Trench Box			\$25.00	\$0.00		Pipe layer W/ overtime			\$37,50	\$0.0
Traf	Plates			\$9.00	\$0.00		Operator W/ overtime			\$45.00	\$0.0
	Traffic Control			\$30.00	\$0.00		Operator W/ overtime			\$45.00	\$0,0
	Manhole Blower			\$25.00	\$0.00		Operator W/ overtime			\$45.00	\$0.0
	Chipping Hammer			\$25,00	\$0.00					473.00	- \$0,0
	Hotel Cost			\$55,00	\$0.00						
Catal Caula							'all labor includes subsistence	e			
Fotal Equip	ment Cost				\$450.00	Total Labor (Cost				\$542.5
		Material				l					
		***************************************		Unit	Extended	J.	3	ubcontract			
	Description	Quantity	Units	Cost	Amount	ŀ	5			Unit	Extended
6" 45 elbo		2.0		\$405.95		A 1 - 11/0	Description	Quantity	Units	Cost	Amount
0 10 0100		2.0	CO	\$400.60	\$0,00	Asphatt/Cond	zrete sawing	1.0	8	\$825.00	\$825.0
					\$0.00						\$0.0
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					\$0.00						\$0,0
					\$0.00						\$0.0
					\$0.00						\$0.00
					\$0.00						\$0.00
					\$0.00						\$0,00
otal Materia	al Cost				\$811.90	Total Subcont	ractor Cost				\$825.00
										Al	nount

 Contractor's Representative

 Total Amount less Bond Cost
 \$2,629,40

 Resident Engineer
 1%
 Bond Allowance
 \$26.29

 TOTAL AMOUNT:
 \$2,655.69

NOTICE OF EXTRA WORK