

MAYOR & COUNCIL COMMUNICATION

DATE: August 16, 2016
CONSENT
ITEM # 14

AGENDA ITEM: Inwood Booster Station Improvements – Change Order No. 1

SUBMITTED BY: Chad Isakson, Project Engineer

THROUGH: Kristina Handt, City Administrator

REVIEWED BY: Jack Griffin, City Engineer
Cathy Bendel, Finance Director

SUGGESTED ORDER OF BUSINESS *if removed from the Consent Agenda*:

- Questions from Council to Staff Mayor Facilitates
- Public Input, if Appropriate.....Mayor Facilitates
- Call for Motion Mayor & City Council
- Discussion..... Mayor & City Council
- Action on Motion..... Mayor Facilitates

POLICY RECOMMENDER: Engineering.

FISCAL IMPACT: Contract decrease in the amount of \$5,048.49. This change order decreases the contract amount for the project by \$5,048.49 bringing the revised construction contract to \$1,303,355.51. With this change order the project remains within the authorized project budget and contingencies.

SUMMARY AND ACTION REQUESTED: The City Council is respectfully requested to consider approving Change Order No. 1 for the Inwood Booster Station Improvements project.

LEGISLATIVE HISTORY/BACKGROUND INFORMATION: This change order is being processed at the request of the City for project revisions with a net contract change in a deduct amount of \$5,048.49. Each item was reviewed closely with the City, Engineer of Record, and Contractor as construction progresses on the Booster Station project. The various project revisions are as itemized below:

1. Common Excavation: \$3,700 ADD. Additional excavation was required for driveway entrance revisions needed to respond to Washington County R/W permit requirements.

2. Chemical Pump Relocation: \$255.78 ADD. The chemical booster pump was installed outside of the Chlorine Room as required by the MN Department of Health permit conditions.
3. Main Circuit Breaker and Variable Frequency Drive (VFD) substitute: \$3,082.56 DEDUCT. In working with the contractor a substitute circuit breaker and VFD was identified for use on the project at a lower cost.
4. Booster Pump substitute: \$3,500 DEDUCT. In working with the contractor a substitute booster pump was identified for use on the project at a lower cost.
5. Water Service Connections. \$5,666.18 ADD. The water service was upsized and relocated to correct for a plan discrepancy and to coordinate between the trunk watermain and booster station contracts.
6. Building Insulation: \$1,047.11 ADD. Additional insulation was installed under the siding as required by the MN Department of Labor and Industry.
7. Remove Chlorination Actuators: \$9,135.00 DEDUCT. The emergency gas shut-off actuators were removed from the scope of work after being determined to be redundant.

RECOMMENDATION: Staff is recommending that the City Council approve, *as part of the Consent Agenda*, Change Order No. 1 for the Inwood Booster Station Improvements project. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to approve Change Order No. 1 for the Inwood Booster Station Improvements thereby decreasing the contract amount by \$5,048.49”.

ATTACHMENT(S):

1. Change Order No. 1.

CONTRACT CHANGE ORDER FORM

CITY OF LAKE ELMO, MINNESOTA
INWOOD BOOSTER STATION IMPROVEMENTS
PROJECT NO. 2014.129

FOCUS ENGINEERING, inc.

CHANGE ORDER NO. 1

DATE: July 20, 2016

TO: Magney Construction, Inc., 1401 Park Road, Chanhassen, MN 55317

This Document will become a supplement to the Contract and all provisions will apply hereto. The Contract Documents are modified as follows upon execution of this Change Order.

CHANGE ORDER DESCRIPTION / JUSTIFICATION:

See summary breakdown and supporting documents for clarification & cost breakdowns

Attachments (list documents supporting change): Attached price quotation(s) & cost proposal(s)

ITEM	DESCRIPTION OF PAY ITEM	UNIT	QTY	UNIT PRICE	INCREASE/(DECREASE)
CO1	Proposal Req. 1-3, Field Change 1-2, Substitute 1-2	LS	1	-\$5,048.49	(\$5,048.49)
NET CONTRACT CHANGE					(\$5,048.49)

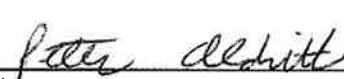
Amount of Original Contract	\$	1,308,404.00
Sum of Additions/Deductions approved to date (CO Nos. 0)	\$	0.00
Contract Amount to date	\$	1,308,404.00
Amount of this Change Order (ADD) (DEDUCT) (NO-CHANGE)	\$	(5,048.49)
Revised Contract Amount	\$	1,303,355.51

The Contract Period for Completion will be ~~(UNCHANGED)~~ (INCREASED) ~~(DECREASED)~~ 2 days

APPROVED BY ENGINEER: MSA PROFESSIONAL SERVICES

APPROVED BY CONTRACTOR


 ENGINEER
7/22/16


 BY
7-22-16

DATE

DATE

APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA

 BY

 DATE

 BY

 DATE

CHANGE ORDER NO. 1

INWOOD BOOSTER STATION IMPROVEMENTS
CITY OF LAKE ELMO, MINNESOTA
PROJECT NO. 2014.129

FOCUS ENGINEERING, inc.

ITEM	DESCRIPTION OF PAY ITEM	UNIT	CHANGE ORDER			DESCRIPTION / JUSTIFICATION
			QUANTITY	UNIT PRICE	AMOUNT	
CO1-1	FC1: Additional Common Excavation @ driveway & ditch	CY	185	\$20.00	\$3,700.00	Adjust plans per Washington Co. comments
CO1-2	PR1: Relocate Chemical Pump & Remove Chemical Room Floor Drain	LS	1	\$255.78	\$255.78	Adjust plans per MN Department of Health comments
CO1-3	Sub1: Substitute Main Circuit Breaker & Variable Frequency Drives	LS	1	-\$3,082.56	-\$3,082.56	Value engineering and size considerations
CO1-4	Sub2: Substitute Booster Pump Manufacturers	LS	1	-\$3,500.00	-\$3,500.00	Value engineering and lead time considerations
CO1-5	FC2: Water Service & Watermain Connections	LS	1	\$5,666.18	\$5,666.18	Upsize & relocate water service, deeper watermain connection
CO1-6	PR2: Additional Building Insulation	LS	1	\$1,047.11	\$1,047.11	Adjust plans per MN Department of Labor & Industry comments
CO1-7	PR3: Remove Chlorination Actuators	LS	1	-\$9,135.00	-\$9,135.00	Value engineering and space considerations

TOTALS - CHANGE ORDER NO. 1

-\$5,048.49



MAGNEY CONSTRUCTION
COMMERCIAL & INDUSTRIAL CONTRACTORS
1401 Park Road - Chanhassen, MN 55317
952.474.1674 Office 952.474.1679 Fax

Proposal

PR #1

CO1-2

SEND TO Company name MSA		From Peter Aldritt	
Attention Lucas Jones		Date 6/8/2016	
Fax	Phone	Proposal # PR-1	

☐ Urgent ☐ Please comment ☐ Please review ☒ For your information

Total pages, including cover: 1

COMMENTS

RE: Inwood Ave Booster Station Proposal Request 1

Lucas,

We are offering the following price quotation in regards to the MDH review.

Material:	\$	-
Labor: Install Booster Pump outside of Chlorine Room	\$	-
Subcontractor: Northern Plumbing Tech	\$	(260.00)
Subcontractor: Taylor Electric	\$	500.00
Subtotal	\$	240.00
General Contractor's Overhead	\$	12.00
Bond & Insurance premiums	\$	3.78
Total	\$	255.78

Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Peter Aldritt

Project Manager

Accepted By	Date

SEND TO			
Company name MSA		From Peter Aldritt	
Attention Lucas Jones		Date 7/18/2016	
Fax	Phone	Proposal # MC-P2 Revised	

☐ **Urgent**
☐ **Please comment**
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☐ **For your information**

Total pages, including cover: 1

COMMENTS

RE: MCC Modifications

Lucas,

We are offering the following price quotation in regards to the MCC modifications and substituting the electronic main circuit breaker for the thermal mag breaker.

Material:	\$	-
Labor:	\$	-
Subcontractor: TPC/Taylor Electric - MCC Modifications	\$	(3,037.00)
Subtotal	\$	(3,037.00)
General Contractor's Overhead	\$	-
Bond & Insurance premiums	\$	(45.56)
Total	\$	(3,082.56)

Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Peter Aldritt
 Project Manager

<i>Accepted By</i>	<i>Date</i>



Price Quotation

CO1-4

SEND TO			
<i>Company name</i>		<i>From</i>	
MSA		Peter Aldritt	
<i>Attention</i>		<i>Date</i>	
Lucas Jones		6/3/2016	
<i>Fax</i>	<i>Phone</i>	<i>Proposal #</i>	

☐ Urgent
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Total pages, including cover: _____

COMMENTS

Lucas,

We are offering the following deduct price quotation for the submitted Booster Pumps.

Labor:		\$	-
Material:		\$	(3,500.00)
Equipment:		\$	-
Subcontractor:		\$	-
Subtotal		\$	(3,500.00)
General Contractor's Labor Mark Up	15%	\$	-
General Contractor's Overhead	5%	\$	-
Bond & Insurance premiums		\$	-
Total		\$	(3,500.00)

Additional Working Days Required for this Change:	0.0
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Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Peter Aldritt

Project Manager

Accepted By	Date



COST PROPOSAL **WORKSHEET**

DATE: June 6, 2016

COR NO: CO1-5

P.R. NO: _____

R.F.I. NO: _____

St. Croix Lift Station

DESCRIPTION OF WORK:				ESTIMATED ADDITIONAL CALENDAR DAYS REQUIRED: <u>2 days</u>				
Furnish and install 1.5" copper water service, curbstop and wet tap from existing water main. This includes the additional 4' of excavation for the 12" Tie-Ins. Existing 12" was at 994.5'								
DESCRIPTION	QUANTITY	UNIT	LABOR UNIT PRICE	LABOR	MAT'L UNIT PRICE	MATERIAL	EQUIPMENT	SUB CONTRACTS
MAGNEY LABOR								
Laborer -	14	Hr	\$ 76.23	\$1,067.22				
Carpenter -	10	Hr	\$ 83.02	\$830.20				
Operator		Hr	\$ 85.93	\$0.00				
Plumber / Pipe Fitter		Hr	\$ 91.50	\$0.00				
Foreman		Hr	\$ 86.72	\$0.00				
Superintendent	12	Hr	\$ 93.00	\$1,116.00				
General Superintendent		Hr	\$ 126.87	\$0.00				
Project Manager		Hr	\$ 100.00	\$0.00				
Overtime - Add \$30.00 / Hr		Hr	\$ 30.00	\$0.00				
Sunday & Holidays - Add \$48.00 / Hr		Hr	\$ 48.00	\$0.00				
MAGNEY Material								
1.5" Copper						\$210.00		
1.5" Curbstop						\$297.00		
MAGNEY Equipment								
Trench Box							\$350.00	
Kamatsu 360							\$0.00	
Mileage	76	Miles			\$0.65	\$49.40		
Pick Up Truck	0	day			\$90.00	\$0.00		
SUBCONTRACTORS / SUPPLIERS								
Fobbe Contracting - Wet Tap								\$800.00
SUBTOTAL MAGNEY LABOR, MATERIALS, SUBCONTRACTORS				\$3,013.42		\$556.40		\$800.00
MAT. HANDLING LABOR: 4% OF MAT.				\$22.26				
SMALL TOOLS MAT.: 6% OF LABOR						\$180.81		
SUBTOTAL				\$3,035.68		\$737.21	\$350.00	\$800.00
MAGNEY OVERHEAD/FEE 15%				\$455.35		\$110.58	\$0.00	\$40.00
SUBTOTAL MAGNEY LABOR				\$3,491.03				
SUBTOTAL EQUIPMENT				\$350.00			\$350.00	
SUBTOTAL MATERIAL				\$847.79		\$847.79		
SUBTOTAL SUBCONTRACT				\$840.00				\$840.00
SUBTOTAL				\$5,528.81				
MATERIAL SALES TAX - 7.275%				\$53.63				
BOND / INSURANCE - 0.015				\$83.74				
BUILDERS RISK INSURANCE				N/A				
TOTAL THIS COST PROPOSAL				\$5,666.18				

SEND TO			
Company name MSA		From Peter Aldritt	
Attention Lucas Jones		Date 6/28/2016	
Fax	Phone	Proposal # PR-2	

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 ☐ Please comment
 ☐ Please review
 ☒ For your information

Total pages, including cover: 1

COMMENTS

RE: Lake Elmo Booster Station PR-2

Lucas,

We are offering the following price quotation to add a continuous layer of 1/2" Rigid Insulation under the siding.

Labor:	\$	415.00
Material:	\$	554.39
Tools & Equipment:	\$	-
Subtotal	\$	969.39
General Contractor's Overhead	\$	62.25
Bond & Insurance premiums	\$	15.47
Total	\$	1,047.11

Additional Working Days Required for this Change:	0.0
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Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Peter Aldritt
 Project Manager

Accepted By	Date

SEND TO			
Company name MSA		From Peter Aldritt	
Attention Lucas Jones		Date 7/12/2016	
Fax	Phone	Proposal # MC-P3	

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Total pages, including cover: 1

COMMENTS

RE: Removing Motorized Gas Shut off Actuators

Lucas,

We are offering the following price quotation in regards to removing the Emergency Gas Shut off Actuators.

Material:	\$	-
Labor:	\$	-
Subcontractor: Vessco - Removing Actuators	\$	(9,000.00)
Subtotal	\$	(9,000.00)
General Contractor's Overhead	\$	-
Bond & Insurance premiums	\$	(135.00)
Total	\$	(9,135.00)

Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Peter Aldritt
 Project Manager

<i>Accepted By</i>	<i>Date</i>