



1450 Washington St  
Muscatine IA 52761-5040  
(563) 263-8933  
Fax (563) 263-2127

Public Works

City Transit  
263-8152

## MEMORANDUM

Equipment Maintenance  
Roadway Maintenance  
Collection & Drainage  
Building & Grounds  
Engineering

To: Brian Stineman Public Works Director  
FROM: Jim Edmond, City Engineer  
DATE: February 28, 2020  
RE: Change Orders 001 thru 007 for 2<sup>nd</sup> and Mulberry Roundabout Project Request to Approve.

## INTRODUCTION:

The City of Muscatine is making good progress on the underground work for this project. These change orders are for payment of addition work for multiple items requested during the project related to changes requested by the City and unknown underground conditions. There will probably be more change orders before this project is completed.

## BACKGROUND:

The attachments are the change orders and the associated information to support the change orders.

001	New water service to adjacent property	\$ 2,726.57
002	Specialty, concrete cutting and coring for design changes	\$ 2,568.06
003	C-900 piping for conflicts with water main	\$ 2,188.12
004	Stone for laydown space/ mud control	\$ 2,718.75
005	Flowable Mortar & Concrete for utility saddles	\$ 3,050.00
006	Traffic Control Change	\$14,740.00
007	Specialty Signs, directions to local business	\$11,328.00
	TOTAL=	\$39,319.50

## RECOMMENDATION/RATIONALE:

It is recommended that these change orders be approved by City Council and signed by the Mayor.

## BACKUP INFORMATION:

1. Change Orders

"I remember Muscatine for its sunsets. I have never seen any  
On either side of the ocean that equaled them" — Mark Twain



**CHANGE ORDER**  
Capital Improvement Projects

No.: 001

Non-Substantial:

Substantial:

Contract Work Type: Underground Util. & Paving

Contractor Heuer Construction

Project Name: Mulberry and 2<sup>nd</sup> Roundabout

Local Public Agency: City of Muscatine

Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Code required licensed plumber work necessary on the water service line for DeKock Law Office

B - Reason for change:

Water service was uncovered and found to be unacceptable material.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Negotiated lump sum price including the invoice from Kelly's Plumbing and Heating. Kelly invoice is attached.

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated costs plus Plumber invoice plus 10%.

E - Contract time adjustment:

No Working Days added

Working Days added: \_\_\_\_\_

Unknown at this time

Justification for selection:



F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
			8001	DeKock water service	1.00	2,726.57	\$2,726.57
<b>TOTAL</b>							<b>\$2,726.57</b>

H. Signatures

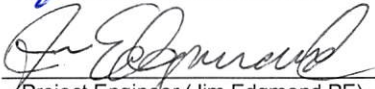
Agreed:

  
\_\_\_\_\_  
Contractor (Heuer Construction)

3-2-2020  
\_\_\_\_\_  
Date


Change Order No.: 001

Recommended:

  
\_\_\_\_\_  
Project Engineer (Jim Edgmond PE)

2-27-2020  
\_\_\_\_\_  
Date

Approved:

  
\_\_\_\_\_  
Person in Responsible Charge

\_\_\_\_\_  
Date

\_\_\_\_\_  
Other (optional)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Contracting Authority (Mayor)  
Diana Broderson

3-5-2020  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Other (optional)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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C.O. 601

**Kelly Heating, Cooling & Plumbing, Inc.**

913 W Mississippi Drive  
Muscatine, IA 52761  
Phone # 563-264-1913

**Invoice**

Date	Invoice #
1/30/2020	30288

<b>Bill To</b>
Heuer Construction 2360 Bypass 61 Muscatine IA 52761

Qty	Description	Terms	Phone
		Due on receipt	264-8533
		Price Each	Amount
	Labor and Materials to demo old lead water service and run new 1" copper water service. 1" Copper, stop box	1,078.77	1,078.77T
	Service at Dekock Law Office, 227 Mulberry Ave Sales Tax	7.00%	75.52
If invoice total is over \$100 a 3% charge will be added if paid by credit card. Thank you!		<b>Total</b>	<b>\$1,154.29</b>

**Finance Charge - Annual rate of 18% with a minimum of \$25.00 will be assessed to all accounts 20 days old**



**CHANGE ORDER**  
Capital Improvement Projects

No.: 002

Non-Substantial:  \_\_\_\_\_  
Substantial:

Contract Work Type: Underground Util. & Paving  
Contractor Heuer Construction

Project Name: Mulberry and 2<sup>nd</sup> Roundabout  
Local Public Agency: City of Muscatine  
Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Core cut precast concrete storm water inlets to accommodate change in storm sewer layout plus new boots for the new holes.

B - Reason for change:

Storm sewer design changed due to unknown field conditions.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Negotiated lump sum price.

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated costs.

E - Contract time adjustment:

No Working Days added

Working Days added: \_\_\_\_\_  Unknown at this time

Justification for selection:




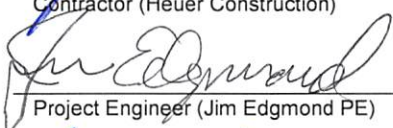


F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"				
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx	
			8002	Core cut inlets	1.00	2,568.06	\$2,568.06	
<b>TOTAL</b>								<b>\$2,568.06</b>

H. Signatures

Agreed:	 _____ Contractor (Heuer Construction)	<u>3-2-2020</u> Date	Change Order No.: <u>002</u>		
Recommended:	 _____ Project Engineer (Jim Edmond PE)	<u>2-27-2020</u> Date			
Approved:	 _____ Person in Responsible Charge	<u>3-16-2020</u> Date	_____ Other (optional)	_____ Title	_____ Date
	 _____ Contracting Authority (Mayor) Diana Broderson	<u>3-5-2020</u> Date	_____ Other (optional)	_____ Title	_____ Date

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**CHANGE ORDER**  
Capital Improvement Projects

No.: 003

Non-Substantial:

Substantial:

Contract Work Type: Underground Util. & Paving

Project Name: Mulberry and 2<sup>nd</sup> Roundabout

Contractor Heuer Construction

Local Public Agency: City of Muscatine

Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Lump Sum for use of the 18" C-900 piping for the water main conflicts

B - Reason for change:

Storm sewer design changed due to unknown field conditions.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Negotiated lump sum price.

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated costs.

E - Contract time adjustment:  No Working Days added

Working Days added: \_\_\_\_\_  Unknown at this time

Justification for selection:



F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
			8003	C-900 18"	1.00	2,188.12	\$2,188.12
<b>TOTAL</b>							<b>\$2,188.12</b>

H. Signatures

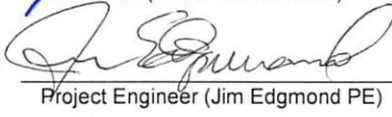
Agreed:

  
Contractor (Heuer Construction)

3-2-2020  
Date

Change Order No.: 003

Recommended:

  
Project Engineer (Jim Edmond PE)

2-27-2020  
Date

Approved:


  
Person in Responsible Charge

3/6/2020  
Date

Other (optional)

Title

Date

  
Contracting Authority (Mayor)  
Diana Broderson

3-5-2020  
Date

Other (optional)

Title

Date

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**CHANGE ORDER**  
Capital Improvement Projects

No.: 004

Non-Substantial:

Substantial:

Contract Work Type: Underground Util. & Paving

Project Name: Mulberry and 2<sup>nd</sup> Roundabout

Contractor Heuer Construction

Local Public Agency: City of Muscatine

Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Provide gravel laydown space for the project materials

B - Reason for change:

Project did not provide for any laydown space

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Unit price negotiated for 2" rock.

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated unit price

E - Contract time adjustment: **No Working Days added**

Working Days added: \_\_\_\_\_  Unknown at this time

Justification for selection:



F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
		8004	TON	2" rock for laydown space	25.00	108.75	\$2,718.75
<b>TOTAL</b>							<b>\$2,718.75</b>

H. Signatures

Agreed:

[Signature] 3-2-2020  
Contractor (Heuer Construction) Date

Change Order No.: 004

Recommended:

[Signature] 2-27-2020  
Project Engineer (Jim Edmond PE) Date

Approved:

<u>[Signature]</u>	<u>3-16-2020</u>	_____	_____	_____
Person in Responsible Charge	Date	Other (optional)	Title	Date
<u>[Signature]</u>	<u>3-5-2020</u>	_____	_____	_____
Contracting Authority (Mayor)	Date	Other (optional)	Title	Date
Diana Broderson				

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**CHANGE ORDER**  
Capital Improvement Projects

No.: 005

Non-Substantial:

Substantial:

Contract Work Type: Underground Util. & Paving

Project Name: Mulberry and 2<sup>nd</sup> Roundabout

Contractor Heuer Construction

Local Public Agency: City of Muscatine

Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Flowable mortar used to stabilize the utilities undermined at alley #1 and concrete collars and saddles used to do the same.

B - Reason for change:

This unit priced work was requested by the city to appease the utilities that had their facilities undermined.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Negotiated unit prices for both items.

\$250/ CU. YD. for flowable mortar.

\$650/ CU. YD. for the concrete collar/saddle

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated unit price

E - Contract time adjustment:  No Working Days added

Working Days added: \_\_\_\_\_  Unknown at this time

Justification for selection:



F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"				
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx	
		8005	CU YD	Flowable mortar	250.00	7.000	\$1,750.00	
		8006	CU YD	Concrete collar/saddle	650.00	2.000	\$1,300.00	
<b>TOTAL</b>								<b>\$3,050.00</b>



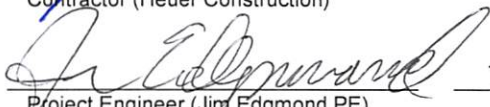
H. Signatures

Agreed:


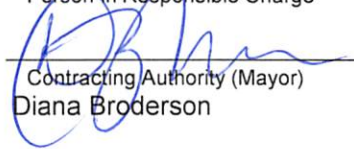
  
\_\_\_\_\_  
Contractor (Heuer Construction)      Date

Change Order No.: 005

Recommended:

  
\_\_\_\_\_  
Project Engineer (Jim Edgmond PE)      Date

Approved:

 _____ Person in Responsible Charge	<u>3/6/2020</u> Date	Other (optional)	_____ Title	_____ Date
 _____ Contracting Authority (Mayor) Diana Broderson	<u>3-5-2020</u> Date	Other (optional)	_____ Title	_____ Date

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**CHANGE ORDER**  
Capital Improvement Projects

No.: 006

Non-Substantial:

Substantial:

Contract Work Type: Underground Util. & Paving

Project Name: Mulberry and 2<sup>nd</sup> Roundabout

Contractor Heuer Construction

Local Public Agency: City of Muscatine

Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Traffic Control in plans was requested to be modified per street department.

B - Reason for change:

To establish standard detour routes from the flood hazard mitigation plan because these routes and signage are what the population are used to.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Negotiated lump sum price based upon subcontractor's invoice plus 10%.

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated lump sum price

E - Contract time adjustment:  No Working Days added

Working Days added: \_\_\_\_\_  Unknown at this time

Justification for selection:



F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
		8007	LS	Changes to traffic control	1.00	14,740.000	\$14,740.00
<b>TOTAL</b>							<b>\$14,740.00</b>

H. Signatures


Agreed:

  
Contractor (Heuer Construction)

3-2-2020  
Date

Change Order No.: 006

Recommended:

  
Project Engineer (Jim Edmond PE)

2-27-2020  
Date

Approved:


  
Person in Responsible Charge

3/10/2020  
Date

Other (optional)

Title

Date

  
Contracting Authority (Mayor)  
Diana Broderson

3/5/2020  
Date

Other (optional)

Title

Date

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**CHANGE ORDER**  
Capital Improvement Projects

No.: 007

Non-Substantial:  \_\_\_\_\_  
Substantial:

Contract Work Type: Underground Util. & Paving  
Contractor Heuer Construction

Project Name: Mulberry and 2<sup>nd</sup> Roundabout  
Local Public Agency: City of Muscatine  
Date Prepared: 2-26-2020

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

Specialty signs for adjacent property owners per their requests.

B - Reason for change:

Property owner's request to identify that they are still open for business.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

Negotiated lump sum price. 384 sq ft at \$29.5 per sq ft.

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

Negotiated lump sum price

E - Contract time adjustment:  No Working Days added  
Justification for selection:

Working Days added: \_\_\_\_\_  Unknown at this time



F - Items included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description		Unit Price .xx	Quantity .xxx	Amount .xx

G - Items not included in contract:

Participating				For deductions enter as "-x.xx"			
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
		8008	LS	Speciality Signage	1.00	11,328.000	\$11,328.00
<b>TOTAL</b>							<b>\$11,328.00</b>

H. Signatures


Agreed:

  
Contractor (Heuer Construction)

3-2-2020  
Date

Change Order No.: 007

Recommended:

  
Project Engineer (Jim Edmond PE)

2-27-2020  
Date

Approved:

  
Person in Responsible Charge

3/6/2020  
Date

Other (optional)

Title

Date

  
Contracting Authority (Mayor)  
Diana Broderson

3-5-2020  
Date

Other (optional)

Title

Date

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