



COUNTY OF DURHAM
Engineering and Environmental Services
Durham County Engineering Department
5926 NC Hwy 55 E / TWWTP, Durham, NC 27713

CHANGE ORDER # 01

Date 1/22/2018

PROJECT TITLE: Slater Road Pump Station Improvements

PROJECT NO: IFB No 18-002 CONTRACT NO: FR# 18-651 CONTRACT DATE: 10/30/2017

The following changes are hereby made to the Contract Documents: (1) PCO 001 – Upsize of the MPZ electrical panel from 5 to 7.5 kVA and increase the contract costs by \$2947.91 and (2) PCO 002 – Replace the stainless steel hood with an aluminum hood of equal size resulting in a contract decrease of \$2,327.60. The net effect of both change orders is an increase in contract costs of \$620.31. The date for substantial completion remains May 26, 2018.

Justification: The MPZ electrical panel must be upsized to handle the loads in the existing Smith and Loveless dry pit (lights, ventilation fan, dehumidifier, and sump pump). The installation of an aluminum hood in lieu of the stainless steel hood was determined to be equal in terms of performance and result in a cost savings on the project.

CHANGE TO CONTRACT PRICE:

Original Contract Price	\$ <u>366,560.00</u>
Current Contract Price, as adjusted by previous change orders	\$ <u>366,560.00</u>
The Contract Price due to this change order will remain at	\$ <u>620.31</u>
The new Contract Price due to this change will be	\$ <u>367,180.31</u>

CHANGE TO CONTRACT TIME:

Original Contract time/date	<u>June 30, 2018</u>
Contract time as amended by previous change orders	<u>June 30, 2018</u>
This change order Contract will be (increased) (decreased) by	<u>N/A</u>
Revised date of completion of all work under the Contract will be	<u>June 30, 2018</u>

RECOMMENDED:

Project Manager

Date 1/22/18

APPROVALS:

To be effective this order must be approved by the Owner if it changes the scope or objective of the project, or as may be required under the terms of the General Conditions of the Contract.

<u>Scott Haberstrom</u>	<u>Cardina Civilworks, Inc</u>	<u>County of Durham</u>
Project Engineer	Contractor	Owner
<u>SPT / PM</u>	<u>[Signature] / PM</u>	<u>[Signature]</u>
Signature/Title	Signature/Title	Signature/Title
<u>01/25/18</u>	<u>2/13/18</u>	<u>March 6, 2018</u>
Date	Date	Date

This instrument has been pre-audited in the manner required by the local Government Budget and Fiscal Control Act.

[Signature]
Durham County Chief Financial Officer



P60#001

CHANGE ORDER REQUEST

Project: Slater Rd Pump Station
Contract: _____
GC County of Durham

DATE: 1/9/2018

Description of change:

Additional cost to change the MPZ panel to 7.5kva.

Materials			SUBTOTALS
	1 Total Direct Cost of Materials	\$ -	
	2 Sales Tax	\$0.00	
	3 Overhead & Profit	\$0.00	
	4 Shipping & Transportation		\$ -
Labor			
	5 Total Manhours:	\$ -	
	6 Payroll Taxes & Insurance <u>42.0%</u>	\$ -	
	7 Overhead & Profit	\$ -	\$ -
Equipment			
	8 Equipment	\$ -	
	9 Overhead & Profit	\$ -	\$ -
Subcontractor			
	10 Subcontractor	\$ 2,533.00	
	Overhead & Profit	\$ 379.95	\$ 2,912.95
Unit Prices			
	11 Unit Prices	\$ -	\$ -
			\$ 2,912.95
12 Bonds (% of subtotal of proposal) <u>1.20%</u>			\$34.96
			<u>\$2,947.91</u>

Time Extension Requests: day(s) Schedule Activity # Affected:

The Contractor agrees to perform the work outlined in this change proposal for the amount specified above and in accordance with the Contract documents if the work is authorized by the Owner.

Contractor's Signature: _____ Date: _____
Approval Recommended by Design Consultant: _____ Date: _____
Owner's Representative Approval: _____ Date: _____



CHANGE ORDER BREAKDOWN

JOB NAME: Slater Rd Pump Station

Job #: 17-0237

Material

Description	Qty	UNIT	Amount	Subtotal
				\$ -

Total Material \$ -

Labor

Description	Qty	UNIT	Amount	Subtotal

Total Labor \$ -

Equipment

Description	Qty	UNIT	Amount	Subtotal

Total Equipment \$ -

Subcontractor

Description		UNIT	Amount	Subtotal
Credit for 5kva panel	-1	LS	\$ 3,077.00	\$ (3,077.00)
Add for 7.5kva panel	1	LS	\$ 5,610.00	\$ 5,610.00

Total Sub Price \$ 2,533.00

Unit Prices

Description		UNIT	Amount	Subtotal
				\$ -

Total Sub Price \$ -

Job ID: SLATER RD. PS-DURHAM
Project: Slater Rd. PS-Durham



CO: 5KVA MPZ , Credit C/O

Bid Brief Form Report

Vendor: BID WORK

Labor Level: LABOR 1

15 Dec 2017 15:59:11

Tax Rate status: Bid

Bid Name: BASE BID

Bid Template: 01 SMALL JOBS

Description	Amount	Subtotal
Material		
Estimated Material	2,869.00	
Material Adjustment	0.00	
Material Total:		2,869.00
Labor		
Direct Labor Hours	0.00	
Labor Dollars	0.00	
Indirect Labor	0.00	
Labor Escalation	0.00	
Labor Adjustments	0.00	
Labor Total:		0.00
Direct Job Costs		
Estimated DJC	0.00	
DJC Adjustments	0.00	
Direct Job Costs Total:		0.00
Taxes		
Material Tax (7.2500%)	208.00	
Quote Tax (7.2500%)	0.00	
Labor Tax (0.0000%)	0.00	
Equipment Tax (0.0000%)	0.00	
SubContract Tax (0.0000%)	0.00	
Taxes Total:		208.00
Pre-Overhead and Profit Subtotal:		3,077.00
Overhead		
Material Overhead (0.00% markup)	0.00	
Quotes Overhead (0.00% markup)	0.00	
Labor Overhead (0.00% markup)	0.00	
Equipment Overhead (0.00% markup)	0.00	
SubContracts Overhead (0.00% markup)	0.00	
DJC Overhead (0.00% markup)	0.00	
Overhead Total:		0.00
Profit		
Material Profit (0.00% markup)	0.00	
Quotes Profit (0.00% markup)	0.00	
Labor Profit (0.00% markup)	0.00	
Equipment Profit (0.00% markup)	0.00	
SubContracts Profit (0.00% markup)	0.00	
DJC Profit (0.00% markup)	0.00	
Profit Total:		0.00
Miscellaneous		
Job Tax (0.00%)	0.00	

Via Electric Co.

P.O. Box 430
Madison, NC 27025

Phone: 336-548-6968
Web: www.viaelectric.com

Bond (0.00%)

0.00

Miscellaneous Total:

0.00

Bid Total:

3,077.00

Job ID: SLATER RD. PS-DURHAM
Project: Slater Rd. PS-Durham



CO: 7.5KVA ADDER: 7.5kva adder

Bid Brief Form Report

Vendor: BID WORK **Labor Level:** LABOR 1 **15 Dec 2017 16:03:28**
Tax Rate status: Bid **Bid Name:** BASE BID **Bid Template:** 01 SMALL JOBS

Description	Amount	Subtotal
Material		
Estimated Material	3,958.00	
Material Adjustment	0.00	
Material Total:		3,958.00
Labor		
Direct Labor Hours	0.00	
Labor Dollars	0.00	
Indirect Labor	0.00	
Labor Escalation	0.00	
Labor Adjustments	0.00	
Labor Total:		0.00
Direct Job Costs		
Estimated DJC	0.00	
DJC Adjustments	0.00	
Direct Job Costs Total:		0.00
Taxes		
Material Tax (7.2500%)	286.96	
Quote Tax (7.2500%)	0.00	
Labor Tax (0.0000%)	0.00	
Equipment Tax (0.0000%)	0.00	
SubContract Tax (0.0000%)	0.00	
Taxes Total:		286.96
Pre-Overhead and Profit Subtotal:		4,244.96
Overhead		
Material Overhead (18.00% markup)	764.09	
Quotes Overhead (18.00% markup)	0.00	
Labor Overhead (18.00% markup)	0.00	
Equipment Overhead (18.00% markup)	0.00	
SubContracts Overhead (18.00% markup)	0.00	
DJC Overhead (18.00% markup)	0.00	
Overhead Total:		764.09
Profit		
Material Profit (12.00% markup)	601.09	
Quotes Profit (12.00% markup)	0.00	
Labor Profit (12.00% markup)	0.00	
Equipment Profit (12.00% markup)	0.00	
SubContracts Profit (12.00% markup)	0.00	
DJC Profit (12.00% markup)	0.00	
Profit Total:		601.09
Miscellaneous		
Job Tax (0.00%)	0.00	

Via Electric Co.

P.O. Box 430
Madison, NC 27025

Phone: 336-548-6968
Web: www.viaelectric.com

Bond (0.00%)

0.00

Miscellaneous Total:

0.00

Bid Total:

5,610.13

\$5,610.00



PCO#002

CHANGE ORDER REQUEST

Project: Slater Rd Pump Station
Contract: _____
GC County of Durham

DATE: 1/12/2018

Description of change:
Credit for changed to Hood.

Materials			SUBTOTALS
1	Total Direct Cost of Materials	\$ -	
2	Sales Tax	\$0.00	
3	Overhead & Profit	\$0.00	
4	Shipping & Transportation		\$ -
Labor			
5	Total Manhours:	\$ -	
6	Payroll Taxes & Insurance <u>42.0%</u>	\$ -	
7	Overhead & Profit	\$ -	\$ -
Equipment			
8	Equipment	\$ -	
9	Overhead & Profit	\$ -	\$ -
Subcontractor			
10	Subcontractor	\$ (2,000.00)	
	Overhead & Profit	\$ (300.00)	\$ (2,300.00)
Unit Prices			
11	Unit Prices	\$ -	\$ -
			\$ (2,300.00)
12	Bonds (% of subtotal of proposal) <u>1.20%</u>		(\$27.60)
			(\$2,327.60)

Time Extension Requests: day(s) Schedule Activity # Affected:

The Contractor agrees to perform the work outlined in this change proposal for the amount specified above and in accordance with the Contract documents if the work is authorized by the Owner.

Contractor's Signature: _____ Date: _____
Approval Recommended by Design Consultant: _____ Date: _____
Owner's Representative Approval: _____ Date: _____



CHANGE ORDER BREAKDOWN

JOB NAME: Slater Rd Pump Station

Job #: 17-0237

Material

Description	Qty	UNIT	Amount	Subtotal
				\$ -

Total Material \$ -

Labor

Description	Qty	UNIT	Amount	Subtotal

Total Labor \$ -

Equipment

Description	Qty	UNIT	Amount	Subtotal

Total Equipment \$ -

Subcontractor

Description		UNIT	Amount	Subtotal
Credit for hood	1	LS	\$ (2,000.00)	\$ (2,000.00)

Total Sub Price \$ (2,000.00)

Unit Prices

Description		UNIT	Amount	Subtotal
				\$ -

Total Sub Price \$ -

Chad Green

From: Rick Wilson <rwilson@viaelectric.com>
Sent: Friday, December 29, 2017 2:01 PM
To: Chad Green
Subject: RE: Electrical Hood
Attachments: Slater Rd submittal-Model.pdf

Chad,
There are 2 hoods. One is 8ft. long, the other is 6ft. long. (see detail attached)
For the 8ft. hood, I will give the county back \$2000.00. For the 6ft. hood, \$1700.00
Let me know what you think.
Thanks and have a good New Year's

From: Chad Green [mailto:cgreen@carolinacivilworks.com]
Sent: Friday, December 15, 2017 12:45 PM
To: Rick Wilson
Subject: FW: Electrical Hood

Rick,

We good with the hood, but the engineer does want to see a drawing. Thanks,



Chad Green
PO Box 80337
Raleigh, NC 27623
Phone: (919) 239-4645
Fax: (919) 239-4650
<http://carolinacivilworks.com/>

From: Scott Haberstroh [mailto:Scott.Haberstroh@freese.com]
Sent: Friday, December 15, 2017 10:06 AM
To: Chad Green ; Manning, Kyle F.
Subject: RE: Electrical Hood

Chad,

The County is open to the aluminum hood you described below provided there is a cost savings from the SS hood in the contract.

Please provide a draft submittal / sketch and cost comparison so we can review.

Thanks,