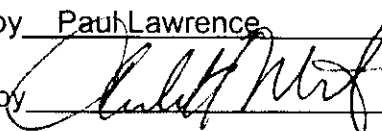


copy in lieu of original

R-362-2016
Contract # 186-2016

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER	DATE:	July 21, 2017
	Contract Modification:	1
	CONTRACT #:	186-2016
PROJECT: West Hickman Wet Weather Storage and Wastewater Improvements Project		
TO: Judy Construction Company		
Original Contract Amount		\$61,307,000.00
Cumulative Amount of Previous Contract Modifications		\$0.00
Percent Change of Previous Contract Modifications		0%
Existing Contract Amount		\$61,307,000.00
Net (increase/decrease) in Contract Amount - (From following pages)		\$39,444.00
Percent Change of This Contract Modification		0.06%
Original Contract Amount		\$61,307,000.00
Cumulative Amount of all Contract Modifications		\$39,444.00
Percent Change of all Contract Modifications		0.06%
New Contract Amount Including this Change Order		\$61,346,444.00
Recommended by <u>Herb Lemaster</u>	(Proj. Engr.)	Date <u>4/14/17</u>
Accepted by <u>Vernon Azevedo</u>	(Consultant)	Date <u>6/6/17</u>
Accepted by <u>Paul Lawrence</u>	(Contractor)	Date <u>5/15/17</u>
Approved by 	(Director)	Date <u>7-21-17</u>
Approved by _____	(Commissioner)	Date _____
Approved by _____	(Mayor or CAO)	Date _____

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT MODIFICATION	DATE:	July 21, 2017
	Contract Mod #:	1
	CONTRACT #:	186-2016

Project: West Hickman Wet Weather Storage and Wastewater Improvements Project

TO: Judy Construction Company

You are hereby requested to comply with the following changes from the contract plans and specifications;

Item No.	ADD / DEL	Description of changes	Units	Quantity	Unit Price	Decrease in contract price	Increase in contract price
1	ADD	Changed site conditions	LS	1	\$ 39,444.00	\$ -	\$ 39,444.00
2	ADD		LS	1	\$ -	\$ -	\$ -
3						\$ -	\$ -
4						\$ -	\$ -
5						\$ -	\$ -
6						\$ -	\$ -
7						\$ -	\$ -
8						\$ -	\$ -
9						\$ -	\$ -
10						\$ -	\$ -
11						\$ -	\$ -
12						\$ -	\$ -
13						\$ -	\$ -
14						\$ -	\$ -
15						\$ -	\$ -
Total decrease						\$ -	
Total increase							\$ 39,444.00
Net (increase) in contract price							\$ 39,444.00

JUSTIFICATION FOR CHANGE

PROJECT:	WH WWS
CONTRACT NO.	186-2016
CHANGE ORDER:	1

1. Necessity for change:

2. Is proposed change an alternate bid? ___Yes ___X No
3. Will proposed change alter the physical size of the project? ___Yes ___X No
If "Yes", explain.

4. Effect of this change on other prime contractors: N/A

5. Has consent of surety been obtained? ___Yes ___X Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___Yes ___X No
If "Yes", will the policies be extended? ___Yes ___No
7. Effect on operation and maintenance costs: N/A

8. Effect on contract completion date: N/A

Mayor

Date

CHANGE ORDER

No. 1

DATE OF ISSUANCE April 12, 2017 EFFECTIVE DATE April 12, 2017

OWNER Lexington-Fayette Urban County Government

CONTRACTOR Judy Construction Company

Contract: West Hickman Wet Weather Storage and Wastewater Improvements Project

Project: West Hickman Wet Weather Storage and Wastewater Improvements Project

OWNER'S Contract No. 186-2016 ENGINEER'S Contract No. 200-11681-15002

ENGINEER Tetra Tech, Inc.

You are directed to make the following changes in the Contract Documents:

Description: See Attached Part 1

Reason for Change Order: Item 1-1 was requested by the Contractor due to site conditions. Item 1-2 was suggested by the Contractor as a safety enhancement. Items 1-3, 1-5 & 1-6 were requested by the Contractor as a result of shop drawing review comments. Item 1-4 was requested by the Contractor due to changed site conditions.

Attachments: (List documents supporting change) Part 1 – Contract Amount Changes; Part 2 – Time Extensions; Change order proposal letters from Judy Construction Company

CHANGE IN CONTRACT PRICE:
Original Contract Price: \$ <u>61,307,000.00</u>
Net Increase (Decrease) from Previous Change Orders No. <u> </u> to <u> </u> : \$ <u> 0.00</u>
Contract Price Prior to this Change Order: \$ <u>61,307,000.00</u>
Net Increase (Decrease) of this Change Order: \$ <u> 39,444.00</u>
Contract Price with all Approved Change Orders: \$ <u>61,346,444.00</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: <u>730 Days – August 01, 2018</u> (days or dates)
Net Change from Previous Change Orders No. <u> </u> to No. <u> </u> : (days)
Contract Times Prior to this Change Order: <u>730 Days – August 01, 2018</u> (days or dates)
Net Increase (Decrease) this Change Order: <u> 0 days</u> (days)
Contract Times with all Approved Change Orders: <u>730 Days – August 01, 2018</u> (days or dates)

RECOMMENDED:
By: [Signature]
ENGINEER (Authorized Signature)
DATE: 4-11-2017

APPROVED:
By: [Signature]
OWNER (Authorized Signature)
DATE: 6-6-17

APPROVED:
By: [Signature]
CONTRACTOR (Authorized Signature)
DATE: 5/15/17

Change Order No. 1
Lexington-Fayette Urban County Government
West Hickman Wet Weather Storage and Wastewater Improvements Project

April 12, 2017

Part I – Contract Amount Changes

Item	Description	Unit	Estimated Quantity	Unit Price	Total Price
1-1	Credit for raising 8" tank foundation drain line and raising the two (2) 48" flume pipes at the Headworks	LS	1.0	(\$25,350.00)	(\$25,350.00)
1-2	Separate the generator controls/utility transfer controls from the generator breaker switch	LS	1.0	\$56,140.00	\$56,140.00
1-3	Anti-cavitation internals on (4) each flow control valves	LS	1.0	\$9,555.00	\$9,555.00
1-4	Removal of MH 4 and installation of 10x8 wye and cleanout at BPR Manhole	LS	1.0	\$3,542.00	\$3,542.00
1-5	Increased size of Grit Equipment control power and pump horsepower	LS	1.0	\$6,125.00	\$6,125.00
1-6	Delete VFD's from Odor Control Equipment	LS	1.0	(\$10,568.00)	(\$10,568.00)
TOTAL					\$39,444.00

NOTES:

Item 1-1

- A. The Contractor requested that the 8" tank foundation perimeter drain line be raised above the ductile iron process lines to avoid undermining the foundation of the tank with the pipe excavation. The credit is for the cost savings related to performing an excavation shallower than what the contract drawings called for. The request is tracked under RFI 003.
- B. The Contractor requested that the vertical profile of the two (2) 48" flume pipes from the Headworks to the Junction Chamber be raised above the 72" influent pipe. The credit is for the cost savings related to performing an excavation shallower than what the contract drawings called for and for the savings related to the concrete key blocks no longer being required. The request is tracked under RFI 006.

Item 1-2

- A. Measurement and payment for this item shall be on a lump sum basis for work completed, tested and operational to provide the generator controls and the utility transfer controls in a NEMA 1 switchgear line-up separate from the generator breaker switch.
- B. Item 1-2 includes all required conduit and wire changes from T.E.M. Electric.

Item 1-3

- A. Measurement and payment for this item shall be on a lump sum basis for work completed, tested and operational to provide anti-cavitation internals for flow control valves for the non-potable water system, four (4) valves total.

Item 1-4

- A. Measurement and payment shall be on a lump sum basis for work completed, tested and operational to install new 10-inch pipe and fittings to replace existing Manhole No. 4 on the drain line near the BPR Structure. This work is documented under Field Order No. 005

Item 1-5

- A. Measurement and payment shall be on a lump sum basis for work completed, tested and operational to provide the electrical changes necessary to accommodate the increased size of the control panel and increased pump horsepower as described below.
- B. Grit pump control panel is larger and takes more power than the basis of design unit. Circuit breaker upsized to 100 amp. Conduit and wire branch circuit upsized to accommodate.
- C. Grit pump horsepower is larger than basis of design. Safety disconnects upgraded to 60 amp each. Conduit and wire branch circuit upsized to accommodate.

Item 1-6

- A. In reviewing the odor control panel submitted with the associated Odor Control Equipment (SD 087) it was determined that the variable speed drives (VFD's) are included by the equipment vendor in the control panel. The credit is for the cost saving associated with deleting the VFD's from the MCC and replacing them with a 200 amp feeder bucket. LOS switches and control wiring to each of the Odor Control Fans are also being deleted.

MAY 15 2017



TETRA TECH

April 12, 2017

Vernon Azevedo, PE
Division of Water Quality
125 Lisle Industrial Avenue, Suite 180
Lexington, Kentucky 40511

*Re: West Hickman Wet Weather Storage Facility
Lexington-Fayette Urban County Government*

Dear Mr. Azevedo:

Tetra Tech has reviewed the attached change order proposed by Judy Construction Company (Judy). Following is a description of the change order items. Documentation and breakdowns of the change order requests are attached.

Item 1-1

Judy has provided a lump sum credit of \$7,605.00 to account for the cost savings related to raising the 8-inch foundation perimeter drain line for the South Storage Tank. Judy has provided a lump sum credit of \$17,745.00 to account for the savings related to raising the 48-inch flume pipes at the Headworks. RFI 003 and RFI 006, respectively, were created to document this work. The total credit amount for this item is **\$25,350.00**.

Item 1-2

Judy has provided a lump sum cost of **\$56,140.00** for providing the generator controls and the utility transfer controls in a NEMA 1 switchgear line-up separate from the generator breaker switch. This includes all required conduit and wire changes from T.E.M. Electric. The lump sum cost breakdown is as follows: \$26,112.00 – Separate Control Line-up; \$21,260.00 – Conduit, Wire, Labor; \$960.00 – Concrete Equipment Pad; \$7,250.00 – Overhead and Profit; \$558.00 – Bond.

Item 1-3

Judy has provided a lump sum cost of **\$9,555.00** for providing anti-cavitation internals for (4) flow control valves for the non-potable water system. The lump sum cost breakdown is as follows: \$7,760.00 – Anti-cavitation internals; \$466.00 - Sales tax; \$1,234.00 – Overhead and profit; \$95.00 – Bond.

Item 1-4

Judy has provided a lump sum cost of **\$3,542.00** to remove existing Manhole No. 4 and install new 10-inch pipe, 10-inch clean out, and required fittings to tie back together the existing 8-inch and 10-inch recycle lines that previously ran through Manhole No. 4. This work was documented in Field Order 005. The lump sum cost breakdown is as follows: \$720.00 – Labor; \$1,581.00 – Material; \$749.00 – Equipment; \$492.00 – Overhead and Profit.

Item 1-5

The grit equipment pump horsepower is greater than the basis of design. The pump control panel is also greater than the basis of design. The circuit breaker, conduit, and wiring all had to be upsized to accommodate this change. Judy has provided a lump sum cost of **\$6,125.00** to make

Tetra Tech, Inc.



TETRA TECH

the electrical changes necessary to accommodate the increased size of the control panel and increased pump horsepower.

Item 1-6

In reviewing the odor control panel submitted with the associated Odor Control Equipment (SD 087) it was determined that the variable speed drives (VFD's) are included by the equipment vendor in the control panel. The credit is for the cost saving associated with deleting the VFD's from the MCC and replacing them with a 200 amp feeder bucket. LOS switches and control wiring to each of the Odor Control Fans are also being deleted. The total credit for this item is **\$10,568.00**

The total estimated cost of the change order is **\$39,444.00**. Please see the attached Change Order No. 1 provided for a unit price and quantity breakdown. The approved, revised contract amount with this change order will be **\$61,346,444.00**.

Please call myself, or Ryan Rathfon, at 859-223-8000 if you have any questions or need additional information.

Sincerely,

Herbert R. Lemaster, P.E.
Herb.lemaster@tetrattech.com

c: Ryan Rathfon, Tt



P.O. BOX 457 CYNTHIANA KENTUCKY 41031
 Telephone (859) 234-6900 Fax (859) 234-3480
 www.judyconstruction.com

January 6, 2017

Tetra Tech
 424 Lewis Hargett Circle, Suite 110
 Lexington, KY 40503
 Attn: Herb Lemaster, PE

Ref: West Hickman Wet Weather Storage
 Change Order Proposal #2
 Ref: Generator Controls

Dear Mr. Lemaster,

We have prepared the following proposal to provide the generator controls and the utility transfer controls in a NEMA 1 switchgear line-up separate from the generator breaker switch. This includes all required conduit and wire changes from TEM Electric.

Separate Control Line-up	\$26,112.00
Conduit, Wire, Labor, Etc.	\$21,260.00
Concrete Equipment Pad	\$ 960.00
Overhead & Profit	\$ 7,250.00
Bond	\$ 558.00
Total	\$56,140.00

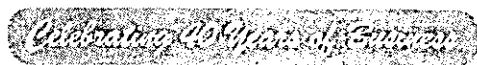
Please add 21 calendar days to the contract time for this work.

If this proposal is acceptable, please notify us and incorporate it into a future change order.

Sincerely,

Paul Lawrence

cc: Darryl Wells
 Tim Courtney
 COP File



JUDY

Construction Co.
GENERAL CONTRACTORS

P.O. BOX 457 CYNTHIANA, KENTUCKY 41031
Telephone (859) 234-6900 Fax (859) 234-3480
www.judyconstructionco.com

January 24, 2017

Tetra Tech
424 Lewis Hargett Circle, Suite 110
Lexington, KY 40503
Attn: Herb Lemaster, PE

Ref: West Hickman Wet Weather Storage
Change Order Proposal #3
Ref: Anti-cavitation devices

Dear Mr. Lemaster,

We have prepared the following proposal to provide anti-cavitation internals on 4 each flow control valves.

Anti-cavitation internals	\$ 7,760.00
Sales tax	\$ 466.00
Overhead & Profit	\$ 1,234.00
Bond	\$ 95.00
Total	\$ 9,555.00

If this proposal is acceptable, please notify us and incorporate it into a future change order.

Sincerely,



Tim Courtney

cc: Darryl Wells
Paul Lawrence
COP File

TC



Celebrating 40 Years of Business



Submittal Stamp Page
Tt Project No. 200-11681-15002

Project:
 West Hickman WWTP
 Lexington-Fayette Urban County Government

Contractor:
 Judy Construction Co.,
 103 S. Church St.
 Cynthiana, KY 41031

Copies	Submittal Number	Submittal Description
1	SD051	Grit Equipment

Contractor Certification Statement

By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data and I have checked and coordinated each item with the contract drawings, specifications, other applicable approved shop drawings and all contract requirements.

Paul Lawrence
 Signature

12/15/16
 Date

Contractor Stamp

Tetra Tech Engineering Stamp

Specification Section 11302
 Shop Drawing # SD051
JUDY CONSTRUCTION COMPANY
 By: PL Date: 12/15/16
 Reviewed
 Reviewed As Noted

SHOP DRAWING REVIEW
 REVIEWED BY: _____
 DATE: _____
 TETRA TECH, INC.
 1000 ...
 ...

Comments:



P.O. BOX 457 CYNTHIANA, KENTUCKY 41031
Telephone (859) 234-6900 Fax (859) 234-3480
www.judyconstructionco.com

March 27, 2017

Tetra Tech
424 Lewis Hargett Circle, Suite 110
Lexington, KY 40503
Attn: Herb Lemaster, PE

Ref: West Hickman Wet Weather Storage
Change Order Proposal # 7
Credit for the Elimination of Odor Control VFD's

Dear Mr. Lemaster,

We have prepared the following credit proposal to delete the VFD's for the Odor Control Equipment from the Motor Control Center and replace it with a 200Amp Feeder Bucket. We are also deleting the LOS switches and control wiring to each of the Odor Control Fans.

Total Credit: \$10,568.00

If this proposal is acceptable, please include it in your next change order.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Lawrence", with a long horizontal line extending to the right.

Paul Lawrence

cc: Ben Williams
Darryl Wells
Tim Courtney
COP File

PL/lj



JUDY CONSTRUCTION COMPANY

P. O. Box 457
 Cynthiana, KY 41031
 Telephone: (859) 234-6900
 Fax: (859) 234-3480
 "An Equal Opportunity Employer"

LETTER OF TRANSMITTAL

TO: Tetra Tech, Inc.
424 Lewis Hargett Circle, Suite 110
Lexington, KY 40503

Date:	05/16/17	Job No.:	201609
Attention:	Vernon Azevedo		
Job Name:	West Hickman WWTP		

We are sending you X attached under separate cover
 via the following items:

- | | | |
|--------------------------|---------------------------|---------------------------|
| <u> </u> Plans | <u> </u> Shop Drawings | <u> </u> Purchase Order |
| <u> </u> Specifications | <u> </u> Samples | <u> </u> Copy of Letter |
| <u> </u> Tracings | <u> </u> Catalog Cuts | <u> </u> Other <u> </u> |
| <u> </u> Prints | <u> X </u> Change Order | |

COPIES	DATE	NO.	DESCRIPTION
1	05/16/17	1	Change Order No. 1 Signed

THESE ARE TRANSMITTED as checked below:

<u> </u> For approval	<u> </u> Approved as submitted	<u> </u> Submit <u> </u> copies for distribution
<u> X </u> For your use	<u> </u> Approved as noted	<u> </u> Resubmit <u> </u> copies for approval
<u> </u> As requested	<u> </u> Returned for corrections	<u> </u> Return <u> </u> corrected prints
<u> </u> For review and comment		

REMARKS

COPY TO File SIGNED Paul Lawrence/mcc
 Paul Lawrence, Project Manager

If enclosures are not as noted, kindly notify us at once.