

Document 00941
CHANGE ORDER No. 5

PROJECT: EWPP Rehabilitation of Flocculators, Clarifiers, and Thickeners.

CONTRACT No.: 4600011030 PROJECT No.: S-000056-0056-4 (S-000056-0056)

TO: Pepper-Lawson Waterworks, LLC.
3701 Kirby Drive, Suite 1133
Contractor and Houston, TX 77098
Address for Written Notice

1.01 DESCRIPTION OF CHANGES

CONTRACT CHANGE	
Amount	Time
\$0.00	396 Days

ITEM 1 SCOPE: Time Extension - Access for Basin E.

JUSTIFICATION: The Contract documents call for rehabilitation of the flocculators, clarifier drive units and mechanisms in Basin E. The Contractor scheduled the work in Basin E to begin on July 11, 2016. Drinking Water Operations could not shut down Basin E as planned due to water demands. The Contractor was provided access to Basin E on August 11, 2017.

The Contractor submitted a proposal letter dated April 18, 2018 requesting time extension from July 11, 2016 through August 11, 2017 for 396 days due to Basin E schedule delays. The Construction Manager reviewed the Contractor's proposal and concurred with the time extension.

The City recommends adding three hundred ninety-six (396) days to the contract. No additional cost is associated with this time extension.

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount
226	Time Extension - Access for Basin E	LS	1.00	\$0.00	\$0.00

ITEM 2 SCOPE: Repair rake arms and corner sweeps in Basin A. \$183,277.33 381 Days

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Print Date: 05/22/2018

TDI *Ch* *JR*
Contractor Initial

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JUSTIFICATION: The contract documents call for replacement or removal and refurbishing of clarifier drives and mechanisms in the primary and secondary stages in Basins A, B, C, D and E. Sedimentation Basin A was repaired and returned to service on July 30, 2014. In March 2015, Drinking Water Operations (DWO) Branch notified Construction Manager that the primary and secondary clarifier drives were inoperable and that the sludge depth in Basins A was approximately 8 feet with 10 feet of free board. On June 8, 2016, DWO Branch drained Sedimentation Basin A for inspection. DWO Branch requested the Construction Manager to assist with the repairs of the basin. The Construction Manager requested the Engineer of Record (EOR) for the condition assessment of the basin operability.

The EOR assessed the damage in the basin and recommended the repairs of rake arms and corner sweeps in Basin A. The Construction Manager and DWO Branch reviewed the recommendations and concurred with the repairs. Request for Proposal (RFP) No. 1 was issued to the contractor for the repairs. The Construction Manager reviewed the Contractor's proposal and negotiated the cost of the additional work.

The City recommends adding this scope of work to the contract. An additional three hundred eighty-one (381) days are required to be added to the contract to perform this work

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount
227	Repair rake arms and corner sweeps in Basin A	LS	1.00	\$183,277.33	\$183,277.33

ITEM 3 SCOPE: Remove and replace corner sweep guide plates, repair basin floor and expansion joints in Basin E. \$180,706.62 90 Days

CITY OF HOUSTON
STANDARD DOCUMENT

CHANGE ORDER

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JUSTIFICATION: The contract documents call for replacement or removal and refurbishing of clarifier drives and mechanisms in the primary and secondary stages in Basins A, B, C, D and E. On June 20, 2016, during startup of the primary drive unit in Basin E, the Contractor discovered that damaged guide rails and concrete floor topping delamination were adversely affecting the proper rotation of the corner sweeps and rake arms. Drinking Water Operations (DWO) Branch requested the Construction Manager to assist with the repairs of the basin. The Construction Manager requested the Engineer of Record (EOR) for the condition assessment of the basin operability.

The EOR assessed the damages in the basin and recommended replacing corner sweep guide plates, repairing basin floor and expansion joints in Basin E. The Construction Manager and DWO Branch reviewed the recommendations and concurred with the repair. Request for Proposal (RFP) No. 2 was issued to the contractor for the repairs. The Construction Manager reviewed the Contractor's proposal and negotiated the cost of the additional work.

The City recommends adding this scope of work to the contract. An additional ninety (90) days are required to be added to the contract to perform this work.

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount	
234	Remove and replace corner sweep guide plates and repair basin floor and expansion joints in Basin E.	LS	1.00	\$180,706.62	\$180,706.62	
TOTALS:					\$363,983.95	867 Days

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1.02 ACCEPTANCE BY CONTRACTOR

Contractor agrees to perform change(s) included in this Change Order for the price and time indicated. The prices for changes include all costs associated with this Change Order.

Christopher F. Smith
Contractor Signature and Title Christopher F. Smith
Vice President of Operations

May 23, 2018
Date

1.03 ACCEPTANCE BY THE CITY

David D. ... 5/24/18
Project Manager Date

Deputy Director - Required for COs to Council Date

Joseph R. ... 7/18/18
Managing Engineer Date

Director - Required for COs to Council Date

Arnold J. ... 08/14/2018
City Engineer Date

Mayor - Required for COs to Council Date

EXECUTIVE SUMMARY

1.01 CONTRACT PRICE SUMMARY	<u>DOLLAR AMOUNT</u>	<u>PERCENT</u>
A. Original Contract Price	\$6,634,000.00	100.00%
B. Previous Change Orders	\$243,262.90	3.67%
C. This Change Order	\$363,983.95	5.49%
D. Contract Price	\$7,241,246.85	109.15%

1.02 CONTRACT TIME SUMMARY	<u>DURATION</u>	<u>COMPLETION DATE</u>
A. Original Contract Time	900 Days	Friday, April 25, 2014
B. Previous Change Orders	807 Days	Sunday, July 10, 2016
C. This Change Order	867 Days	Saturday, November 24, 2018
D. Contract Time	2574 Days	Saturday, November 24, 2018

1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

A. Including this Change Order, the following table is provided to track conditions related to Paragraph 7.1.2.3 of Document 00700 - General Conditions.

<u>CHANGE ORDER No.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL CONTRACT PRICE</u>
1	\$18,395.42	0.28%
2	\$85,346.53	1.29%
3	\$(581.08)	-0.01%
4	\$140,102.03	2.11%
5	\$363,983.95	5.49%
TOTALS	\$607,246.85	9.15%

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TDI Contractor Initial