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MEMORANDUM

WATER & RESOURCE RECOVERY FACILITY

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director/Sharing Interim City Administrator Duties
Jerry Ewers, Fire Chief/Sharing Interim City Administrator
Cinda Hilger, Secretary Duties

From: Jon Koch, WRRF Director

Date: October 31, 2019

Re: HSW Project Change Order #3

INTRODUCTION: Leander Construction, Inc. (LCI) has submitted a change order for extra work proposed for the High Strength Waste (HSW) project. The change order is for four items (Leander Change #8012-8015) totaling \$14,340.25. Now is the time to approve Change Order #3 to the HSW project.

BACKGROUND: Several items have been added together for Change Order #3 to the HSW project. These items have been compiled by City Staff and found to be appropriate to complete the project. See CO #3 attached for a detailed list for the extra work.

Change 8012 Baler Pit Exploration: The removal of the baler pit required several exploratory digs to locate a piling for the subsequent pad pour. That excavation work was not included in the previous COR #1.

Change 8013 Baler Pit Re-Design: Once the baler was removed and the exploratory work was done, the re-design to fill in the floor to be able to accept the sizeable weight of tankers was done. This is also for labor and considerable material needed to complete the pour.

Change 8014 Additional Bollards: With the redesign of the parking lot, new bollards are required to protect the fire hydrant.

Change 8015 ADA Parking Spot Paint Striping: There are currently no ADA compliant parking spaces at the Transfer Station. COR #2 included one spot but a second spot is needed. They are not charging for the extra spot and signage.

RECOMMENDATION/RATIONALE: Staff recommends approval of Change Order #3 to

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

the HSW project in the amount of \$14,340.25.

BACKGROUND:

1. HSW project COR #3
2. Extras List

CHANGE ORDER

No.: 003

	Part	Non-Part	
Non-Substantial:	<input type="checkbox"/>	<input type="checkbox"/>	
Substantial:	<input type="checkbox"/>	<input type="checkbox"/>	Nov. 07, 2019
			Concurrence Date

Contract
Accounting ID No.: NA

County: Muscatine

Project No.: SCI Project Number: 25408.05.00

Kind of Work: High Strength Waste Receiving Station

Date Prepared: October 30, 2019

Contractor: Leander Construction, Inc.

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

A - Description of change to be made or extra work to be done:

This Change Order is written to cover the costs incurred by the Contractor (Leander Construction, Inc.) associated with the following:

- 8012: Transfer Station, Former Recycle Building, Baler Pit Exploration.
- 8013: Transfer Station, Former Recycle Building, Baler Pit Re-Design.
- 8014: Transfer Station, Install Additional Bollards.
- 8015: Transfer Station, Additional ADA Parking Lot Striping & Signage.

B - Reason for change or extra work:

- 8012: After the Old Baler was removed, the original building piling was to be tied into for the new concrete floor per design. The Contractor was instructed to over-excavate and attempt to locate the existing piling.
- 8013: The original piling was NOT located. The Designer modified the floor tie-in design. The Contractor had extra material and labor associated with the revised design.
- 8014: The City staff requested additional bollards to be installed to protect fire hydrants.
- 8015: The City staff revised and added additional concrete paving and then requested the modified pavement paint striping and the inclusion of ADA parking stalls.

(Continued on Page 2)

Approved W. "Bill" Haag 10-30-2019 _____
 Construction Project Manager Date Director Water & Resource Recovery Facility Date

Receipt is acknowledged of this change or extra work and terms of settlement are hereby agreed to.

Approved contingent upon funds being available under the existing project agreement or upon additional Federal aid funds being made available by a modified project agreement.

Leander Construction, Inc.
Contractor

By [Signature] 10-30-2019
Date

Date

Approved _____
Date

DISTRIBUTION: Project Engineer - Forward original to District.
 District - Non-Substantial - Forward original and one copy to the Office of Construction and two copies back to the Project Engineer.
 - Substantial - Forward original and two copies to the Office of Construction.

C-1 - Settlement for cost of work to be made as follows:

Change Order No.: 003

- 8012: \$ 1,744.32 per the Contractor's COR 11-01 and COR 11-02, dated 09-11-2019.
- 8013: \$ 9,817.97 per the Contractor's COR 11-03, dated 09-11-2019.
- 8014: \$ 2,777.96 per the Contractor's COR 16-01 through COR 16-07, dated 10-09-2019.
- 8015: \$ 0.00; pricing included in 8014.

C-2 - Justification for cost(s):

These costs were based on the Contractor's and their Subcontractor's Standard Rates for their equipment and labor shown in the COR quotes attached, with the Contractor and their Subcontractors doing the Work. No Project change in the overall Project Schedule.

D - ITEMS INCLUDED IN CONTRACT

Change No.	Line Item Number	Unit Price .xxx	Quantity .xxx	Amount .xx
7				
7				
7				
7				
7				
7				
7				
TOTAL				

E - ITEMS NOT INCLUDED IN CONTRACT

Change No.	Item Description	Item Number	Function Code	Unit Price .xxx	Quantity .xxx	Amount .xx
8 012	Baler Pit Exploration	COR 11-01	1	\$1,744.320	1.000	\$1,744.32
8 013	Baler Pit Re-Design	COR 11-03	1	\$9,817.970	1.000	\$9,817.97
8 014	Additional Bollards	COR 16-01 to	1	\$2,777.960	1.000	\$2,777.96
8 015	ADA Parking Striping & Symbols	COR 16-07	1	\$0.000	1.000	\$0.00
8						
8						
8						
8						
TOTAL						\$14,340.25

HSW Project Equipment and Services. Items outside contractor bid known at this time and estimated costs

7/1/19

Item	Justification	Cost est	Status	Apprvd
T42 Turbo Separator	Depackaging machine	\$336,945	-Verbal order-June 2019 -Approved drawings, Lana will check them soon and move it to the shop 8-5-19	7/3/19
Koala Consulting	Project management, much cheaper than Stanley to perform minimal tasks i.e. paper work, pay submittals, RFI, change orders outside Stanley contract	\$18,500	Conducted pre-con On-going work	
Terra Con	Concrete testing, outside contract	\$4,500		
Lighting	Lighting in the recycling center was not included in the contract, very poor lighting, damaged lights, needed for product placement in machine	\$107,000 entire facility (Transfer, Recycle, offices)	7/30/19 met with auditor, cost for entire facility by them (PQL). \$65K for equipment, will be seeking others for install cost compare. \$215 per light, \$2K rebate, save \$24K/yr.	
Ventilation/heating	The recycling center ventilation is in need of an overhaul, upgrade. It has not been evaluated or worked on for years. Probably functional but needs work	\$20,000 \$40-\$50K	7/30/19 seeking bid for radiant heat from contractor. Est \$40K-\$50K. Save \$5K-\$7K/mo during the winter	
End loader	To move material from the tip floor into the machine, looking for used to purchase per Finance	\$70,000 est for used	Updated 8/20 Updated 9/19, size needed for height of hopper is increasing cost	
Fork lift	Needed to move product out of trucks, with rotating forks to dump into machine. Looking to purchase used per Finance	\$20,000 est for used	Asking Raymond for donation	
Barrel loader attachmnt	For loading barrels with fork lift. Product from Heinz coming in barrels	\$1500	Seeking quotes, estimate from web search	
Rotating fork assembly for fork lift	To load material into the hopper from pallets and material in bins	\$8,000 est used	Seeking quotes, estimate from web search	
Security cameras	Needed for vendor proof of destruction requirements and to keep stored food from being	\$34,271	Updated 7/18/19 Xfer only	8/15/19

	stolen for resale or personal use. Also monitoring off-loading at the WRRF, vac pad, septage camera replacement, compatible with current system. Current server is non-functioning, needed replacement 2 years ago. Vendor specific to tie to current system.	\$46,111	Updated 7/31/19 for plant and Xfer To Council 8/15/19 Approved	
Door locks	Door locks in recycling center in poor condition, needed for security during and after project	\$1,100	Installed, completed	
Aggregate	Base for the truck off-loading site at the WRRF. Earth work to be performed by City. May pave in the future but this saves cost of contractor performing work	\$20,000	Rough design by City engineer	
Pole building/FOG receiving	A building and pad are needed to house the liquid/FOG receiving bar screen for winter freeze protection. Two trucks will connect. This was removed in the project 3.0a to reduce cost to current contract 3.0b.	\$50,000 Seeking to reduce to \$25-30K	7/30/19 seeking bids for trough configuration 8/30/19 Leander bid \$81K 9/19/19 received alt bid \$15K for concrete. Seeking building bid, anticipate \$10K w/ install	
Hot water wash down	Hot water is needed to clean the greasy areas around the LWR and flush the line daily to avoid costly line jetting	\$11,000	8/16/19 Hotsy quote, per unit. Immediate need at LWR, future at Xfer. Seeking alt quote	
Flow meters and piping	Meters to measure off-loading trucks for accurate billing.	\$7,000	Seeking quotes	
Bollards	Bollards to protect light poles, buildings, etc from new truck traffic at WRRF, Xfer	\$1,500	Xfer done with CO #1, LWR area to be done when aggregate installed	
Safety Kleen	Remove hydraulic fluid from old baler pit to fill and repair at the Xfer	\$1,000	Estimate 7/31/19 Completed 8/08/19	
Power wash building	Remove dirt and debris from construction before machine is installed	\$4700	Completed 9/13/19	

HSW Project Equipment and Services. Items outside contractor bid known at this time and estimated costs 7/1/19

Change Order #1		\$21,219.79	Approved 09/05/19	09/05/19
Change Order #2		\$35,642.86	To Council 10/03/19	10/03/19
Change Order #3		\$14,340.25	To Council 11/04/19	
Total		\$800,057 est	Updated 9/26/19	