

CITY OF HIGH POINT

AGENDA ITEM



Title: Wharton-Smith, Inc.
Eastside WWTP Solids Handling Improvements
Change Order 4

From: Terry Houk – Public Services Director

Meeting Date: September 6, 2016

Public Hearing: No

Advertising Date: N/A

Advertised By: N/A

Attachments: Attachment A – Change Order Documents

PURPOSE:

The City of High Point disposes bio-solids from the wastewater system via incineration. The current solids handling equipment, due to age and serviceability life, requires replacement and upgrades. The work for this project will include installation of two new centrifuges, two new cake pumps, and rehabilitation of the incinerator to comply with new EPA air emission requirements.

The City has prepurchased the centrifuges, cake pumps, and incinerator under separate bids. This project will install all the new equipment and any additional required equipment to make the new solids handling system operational.

BACKGROUND:

Disposal of biosolids during the construction period by the contractor is a requirement of the project. This change order is for additional quantities of biosolids that were required to be processed during the project. It was anticipated that the majority of this disposal would be accomplished with City forces and equipment; however, due to State law, we are required to contract out these services. Funds were budgeted in operating accounts initially for these services that now must be contracted out.

BUDGET IMPACT:

Funds for this change order are available in the FY 2016-2017 budget.

RECOMMENDATION / ACTION REQUESTED:

Public Services is recommending that Council approve Change Order 4 to Wharton - Smith, Inc. for \$759,613.23.

Change Order

No. 4

Date of Issuance: August 5, 2016

Effective Date: August 5, 2016

Project: Eastside WWTP Solids Handling Improvements	Owner: City of High Point	Owner's Contract No.: Bid No. 13-121014
Contract: Eastside WWTP Solids Handling Improvements	Date of Contract: January 29, 2015	
Contractor: Wharton-Smith, Inc.	Engineer's Project No.: 3460-014	

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Additional quantity of solids processing / hauling above the quantity stipulated in the Contract Documents.

Attachments (list documents supporting change):

Summary of additional solids processing / hauling quantities and costs.

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$8,847,850.00

[Increase] [Decrease] from previously approved
Change Orders No. 0 to No. 3:

\$550,619.41

Contract Price prior to this Change Order:

\$9,398,469.41

Increase of this Change Order:

\$759,613.23

Contract Price incorporating this Change Order:

\$10,158,082.64

CHANGE IN CONTRACT TIMES:

Original Contract Times: ☐ Working days ☒ Calendar days

Substantial completion (days or date): February 25, 2016

Ready for final payment (days or date): March 26, 2016

[Increase] [Decrease] from previously approved Change Orders
No. 0 to No. 3:

Substantial completion (days): 109

Ready for final payment (days): 109

Contract Times prior to this Change Order:

Substantial completion (days or date): June 13, 2016

Ready for final payment (days or date): July 13, 2016

Increase of this Change Order:

Substantial completion (days or date): 0

Ready for final payment (days or date): 0

Contract Times with all approved Change Orders:

Substantial completion (days or date): June 13, 2016

Ready for final payment (days or date): July 13, 2016

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Change Order No. 3
High Point Eastside WWTP
Solids Handling Improvements
Bid No. 13-121014

RECOMMENDED:

By:

Bany L. Sawyer
Hazen & Sawyer

Date:

8/5/16

ACCEPTED:

By:

City of High Point (Authorized Signature)

Date:

ACCEPTED:

By:

City of High Point - Finance

Date:

ACCEPTED by CONTRACTOR:

Wharton-Smith, Inc.

By:

Contractor (Authorized Signature)

Date:

8/12/16

SUMMARY OF ADDITIONAL SOLIDS PROCESSING / HAULING QUANTITIES AND COSTS

Original Contract Quantity and Unit Rates

Contractual Processing Rate (Cost per Dry Ton)	\$240.00
Contractual Hauling Rate (Cost per Dry Ton)	\$270.00
Contractual Quantity of Dry Tons	4035.00
Dry Tons Processed and Hauled thru 4/1/16	4385.75
Contract Overage in Dry Tons	350.75

COST FOR OVERAGE AT CONTRACT RATES FROM NTP THRU 4/1/16

	WS billings @ CURRENT Rate		
	Dry Ton Totals	Unit \$ (Dry Ton)	WS Bills to Owner
Dewatering	350.75	\$240	\$84,180.00
Hauling	350.75	\$270.00	\$94,702.50
			\$178,882.50

Processing and Hauling from 4/4/16 thru 6/2/16

After the original contract quantity was expended, the Contractor was allowed to increase the hauling rate due to longer haul distances. The original landfills had stopped accepting biosolids from the Eastside WWTP, and the Contractor was hauling to landfills that were further away. The revised haul rate was established as **\$410.60 per DRY TON**. The quantity processed and hauled during this period was **733.63 DRY TONS**.

COSTS FOR DRY TONS PROCESSED AND HAULED FOR PERIOD 4/4/16-6/2/16

	WS billings @ PROPOSED Rate		
	Dry Ton Totals	Unit \$ (Dry Ton)	WS Bills to Owner
Dewatering	733.63	\$240	\$176,071.20
Hauling	733.63	\$410.60	\$301,228.48
			\$477,299.68

Hauling from 6/6/16 thru 6/24/16

Beginning 6/6/16, the Owner performed solids processing and the Contractor continued hauling. Since the Owner was performing the processing, the Contractor requested to be paid on a **WET TON** basis. The quantity hauled during this period was **949.17 WET TONS**.

COSTS FOR WET TONS HAULED FOR PERIOD 6/6/16 thru 6/24/16

	WS billings @ PROPOSED Rate		
	Wet Ton Totals	Unit \$ (Wet Ton)	WS Bills to Owner
Dewatering	BY CITY	BY CITY	BY CITY
Hauling	949.17	\$108.97	\$103,431.05
			\$103,431.05

TOTAL ADDITIONAL COSTS FOR SOLIDS PROCESSING AND HAULING

\$759,613.23