

CITY OF HIGH POINT

AGENDA ITEM



Title: Eastside Solids Conveyor
Serpentix Conveyor Corporation

From: Robby Stone – Public Services Director
Derrick Boone – Asst. Director Public Services

Meeting Date: July 17, 2023

Public Hearing: No

Advertising Date: N/A

Advertised By: N/A

Attachments: Attachment A – Quote
Attachment B- Sole Source Letter

PURPOSE:

To perform a rebuild of the Serpentix conveyor in the solids building at the Eastside Wastewater Treatment Plant (WWTP). This is a sole source item as Serpentix components are proprietary and patented.

BACKGROUND:

The Serpentix conveyor transfers dewatered solids from the centrifuges on the ground floor of the solids building up to the hopper for the Schwing pumps that then transfer the “cake” to either the incinerator or the truck loading station. The Serpentix conveyor is a critical component to the solids dewatering operations at the Eastside WWTP. The scope of the project will be to replace / rebuild most of the components of the conveyor system. This is a sole source request since Serpentix is the only manufacturer offering modular belt pans with molded convolutions that flatten at each end of the conveyor to allow full belt scraping.

BUDGET IMPACT:

Funds for this project are available in the FY 2023-2024 budget.

RECOMMENDATION / ACTION REQUESTED:

Public Services is recommending that Serpentix Conveyor Corporation be approved as a sole source vendor to perform the rebuild of the solids conveyor at the Eastside WWTP for \$145,114.06.



Serpentix Conveyor at the Eastside WWTP



Serpentix Conveyor at the Eastside WWTP



SERPENTIX CONVEYOR CORP.

11821 Huron Street | Westminster, CO 80234-3423 – USA
Office: 303.430.8427 (Mon - Fri; 8am - 5pm Mountain) | serpentix.com | conveyors@serpentix.com

Friday, June 16, 2023

City of High Point
211 S. Hamilton
Room 206
High Point, NC 27260

Attention: Derrick Q. Boone
336-883-3279
derrick.boone@highpointnc.gov

Reference: Serpentix Conveyor Corporation
Proprietary Components
Customer Id No.: **P2-08-1006**
Serpentix Job Name: **High Point, NC**

Dear Mr. Boone,

Serpentix components used in our designs are proprietary and are patented. We are the sole supplier of all Serpentix OEM components. Serpentix is the only manufacturer offering modular belt pans with molded convolutions that flatten at each end of the conveyor to allow full belt scraping.

Serpentix does not sell through distributors. This process is designed to protect the customer from paying a higher price through resellers.

If you have any questions, please give me a call. Thank you.

Sincerely,

Robert D. Nusz
President / Sales Director

United States Patent Numbers: 4,205,745; 4,144,965; 4,438,842; 4,927,006; 5,692,435; 5,931,280; 6,761,265
and other Patents Pending

SERPENTIX® CONVEYOR CORP.

11821 Huron Steet
Westminster, CO 80234 - USA
303.430.8427 office

Parts Quotation



Parts Quotation #. 5596

Date: Jun 14, 2023

Bill To:

CITY OF HIGH POINT
ACCOUNTS PAYABLE
PO BOX 230
HIGH POINT, NC 27261
U. S. A.

Ship to:

CITY OF HIGH POINT, EASTSIDE WTP
EASTSIDE WATER TREATMENT PLANT
5898 RIVERDALE ROAD
JAMESTOWN, NC 27282
U. S. A.

Sales Rep. EW2

Good Thru: 7/14/23

Customer ID 081006-P2

Payment Terms Net 30 Days

Contact Person MIKE SWAN

Ship Via TRUCK FREIGHT, LTL

Phone Number 336-883-3061

Fax Number

Qty.	Part Number:	Part Description:	Unit:	Unit Price:	Extension:
447.00	H01050004A RevE	CHAIN - 14mm x 100mm (H PW P2) - 1 SECTION @ 447 LINKS LG.	LINK	73.25	32,742.75
223.00	PW01040010A Rev	RUBBER ISOLATOR BLOCK (1-HOLE)	EACH	8.65	1,928.95
223.00	H01040010A RevH	CHAIN INTER. ATTACHMENT (H PW P2)	EACH	22.15	4,939.45
446.00	PW01040007A Rev	GREY or BLUE (WIDE) GUIDE BLOCK - URETHANE	EACH	12.50	5,575.00
223.00	AFS013200	3/8"x2" HHCS SS	EACH	0.90	200.70
223.00	AFS403000	3/8" NYLOK NUT SS	EACH	0.65	144.95
446.00	AFS203000	3/8" PLAIN WASHER SS	EACH	0.25	111.50
1.12	H0105-LaborP2	Labor to Pre-Assembly Intermediate Attachments and Guide Blocks to Chain (447-Link Strand)	LABOR	690.00	772.80
1.00	PW01060004A	PW-CHAIN SPLICE, ASY., WIDE	ASSY	395.00	395.00
224.00	H01010122D	26" BELT PAN - MPR	EACH	79.85	17,886.40
896.00	AFS012114	5/16"x1 1/4" HHCS SS	EACH	0.65	582.40
448.00	AFS012112	5/16"x1 1/2" HHCS SS	EACH	0.70	313.60
1344.00	AFS402000	5/16" NYLOK NUT SS	EACH	0.55	739.20
2240.00	H01010156A RevB	14GA BELT PAN WASHER x 1-3/4" LG. SS	EACH	1.10	2,464.00

Please note: All credit card payments will incur a 3% processing fee.
Thank you for your inquiry. If you have any questions, please give our
parts department a call at 1-800-466-7979.

Subtotal:	Sales Tax:	Total After Shipping:
Continued	Continued	Continued

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Fax Number

Qty.	Part Number:	Part Description:	Unit:	Unit Price:	Extension:
37.33	H0101-Labor26	Pre-Assembly of 26in Belting in 4'-0" Section (6 Pans per Sections) - 37 SECTIONS @ 6 PANS EA. - 1 SECTION @ 2 PANS	LABOF	35.95	1,342.01
160.00	P20109-BASE	P2 BASE 3/16" x 6" - 16 SECTIONS @ 10'-0" LG. EA.	FOOT	19.25	3,080.00
320.00	P20109-SIDE	P2 SIDE 5/8" x 3/4" - 32 SECTIONS @ 10'-0" LG. EA.	FOOT	9.65	3,088.00
320.00	P20109-CAPx1.375	P2 CAP 1" x 1 3/8" (STD.) - 32 SECTIONS @ 10'-0" LG. EA.	FOOT	19.25	6,160.00
500.00	AFS011200	1/4" x 2" HHCS SS	EACH	0.40	200.00
500.00	AFS201000	1/4" PLAIN WASHER SS	EACH	0.15	75.00
500.00	AFS401000	1/4" NYLOK NUT SS	EACH	0.30	150.00
1.00	PW01070003A Rev	PW/P2 TENSION SPROCKET ASS'Y w/ HUB - 6-TOOTH	EACH	995.00	995.00
1.00	PW01080004A Rev	PW/P2 TENSION SHAFT 416SS (w/ KEYS) x 2.1875" DIA. x 17.25" LG.	EACH	431.25	431.25
2.00	PW0116-125117	WIDE SLOT T-UP BRNG. 2-3/16"	EACH	442.75	885.50

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2.00	ATC716PIN2	ROLL PIN T-UP BRNG, 7/16" x 2"	EACH	3.75	7.50
2.00	i01440001A	COMPRESSION SPRING (I/PW)	EACH	295.00	590.00
1.00	PW01070004A Rev	PW/P2 DRIVE SPROCKET ASS'Y w/ HUB - 8-TOOTH	EACH	1,095.00	1,095.00
1.00	PW01080001A Rev	PW/P2 DRIVE SHAFT 416SS (w/ KEYS) x 2.1875" DIA. x 17.875" LG.	EACH	454.25	454.25
2.00	PW0115-126816	PW-DRIVE-BRNG.2 3/16	EACH	500.25	1,000.50
1.00	ADC60BS60x2.187	ROLLER #60 SPROCKET x 60-TOOTH x 2 3/16" BORE	EACH	247.25	247.25
1.00	ADC60BS15	ROLLER #60 SPROCKET x 15-TOOTH x 1 3/4" BORE	EACH	86.25	86.25
6.00	ADC60RIV	#60 ROLLER CHAIN	FOOT	33.35	200.10
1.00	ADC60SPL	#60 ROLLER CHAIN SPLICE	EACH	14.75	14.75
1.00	FREIGHT	FLAT RATE FREIGHT CHARGES - TRUCK FREIGHT, LTL	LOT	5,965.00	5,965.00
1.00		SERPENTIX LABOR TO REMOVE / INSTALL(~5 DAYS)		45,675.00	45,675.00

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Phone Number 336-883-3061

Fax Number

Qty.	Part Number:	Part Description:	Unit:	Unit Price:	Extension:
1.00		EQUIPMENT RENTAL/JOB BOX FREIGHT TO AND FROM JOBSITE Quoted prepared by Jason Ellis for Michael Swan; mike.swan@highpointnc.gov; 336-442-5689		4,575.00	4,575.00
			Subtotal:		
				Sales Tax:	
				Total After Shipping:	
			145,114.06	\$	145,114.06

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