

**Memorandum  
Public Works Department**



**To:** City Manager  
**Subject:** Spencer Aeration Tank Blowers  
**Date:** May 7, 2013  
**Number:** 2013-096

---

An emergency repair is currently being performed on two Spencer Aeration Tank Blowers for the Southwest Wastewater Treatment Plant. These repairs are necessary as there are four designated blowers for the aeration process in the aeration tanks and only two are still operational. The two blowers being repaired began showing signs of severe vibration due to internal and external bearing wear. Blower one (1) requires slightly more repair work than blower two (2), thus explaining the slightly higher invoice price. The aeration process provides dissolved oxygen for the aerobic digestion of domestic sewage and is a critical component in the overall treatment process. With two blowers out of service, only two are able to be utilized for the entire plant, which leaves the facility without redundancy, should a major failure occur. There is a high potential of violating our NPDES discharge permit should one of the two remaining blowers fail without the two additional blowers in reserve. JC Cross Co. is the only qualified repair facility locally for this type of equipment.

Accompanying this memorandum are the invoices from JC Cross Co. for the repair and return of two Spencer Blowers.

**Recommendation**

The Public Works Department recommends that the City Council approve the emergency repair and return of two Spencer Blowers for the total amount of \$21,020.00

Vendor: JC Cross Co.  
Payment Amount: \$21,020.00  
Account Chargeable:  
Fund: 506 Wastewater Operations and Maintenance  
Division: 618 Utilities Services  
Cost Center: 343 Wastewater Southwest Plant  
Object Code: 53804 Equipment S/C

Requisition Number: R003941

**Submitted by:** Randall Tweet, Interim Public Works Director  
Larry P. Cook, Utilities Superintendent

---

**Approved by:** Thomas Thomas, City Manager

# Quote

## JC CROSS CO.

Phone: 1-800-326-1240 Email: sales@jccross.com

**5328 Tremont Avenue  
Davenport, IA 52807**

Fax: (563) 359-0141

**580 W. Taylor Road  
Romeoville, IL 60446**

**21177 - 59 HWY  
Oakland, IA 51560**

Fax: (712) 482-6268

TO: City of Rock Island - Sewer Dept.  
Attn: Randy James & Larry Cook  
1528 - 3rd Ave.  
Rock Island, IL 61201

DATE		FOB	QUOTE NO.	P.O. NO.	
5/1/13		Delivered	RIS042313-1		
QTY	ITEM	DESCRIPTION	U/M	UNIT PRICE	Total
1	Repair...	<p>Repair and Return (1) Spencer Model 6575 HMOD S/N 248080</p> <p>Repair includes the Following: Sandblast, Hand Clean and Polish Parts, Shaft Repair, Repair Center, Remove &amp; Clean Check Valve, Cut off Bad Drive Coupler, Balance, Assemble, Paint</p> <p>Repair includes replacing the Following: Rope Packing, Interstage Deflector Packing, Outboard Bearing, Inboard Bearing, Division Head Packing, End Head Packing and Gasket, Locknut, Lockwasher, Impeller Shims, Gaskets</p> <p>Delivery: 2-3 weeks FOB: Delivered</p> <p>Price of New: \$32,794.00 + Approx. \$2,500.00 Freight</p> <p>Thank you for the opportunity to quote! Please advise how you would like to proceed. Mindy Laing</p>		10,855.00	10,855.00
				<b>Total</b>	\$10,855.00
Salesman:		MS			

QUOTE VALID FOR 30 Days

\*\*\* WE ACCEPT MASTERCARD, VISA, &amp; DISCOVER \*\*\*

# Quote

## JC CROSS CO.

Phone: 1-800-326-1240 Email: sales@jccross.com

**5328 Tremont Avenue  
Davenport, IA 52807**

Fax: (563) 359-0141

**580 W. Taylor Road  
Romeoville, IL 60446**

**21177 - 59 HWY  
Oakland, IA 51560**

Fax: (712) 482-6268

TO:

City of Rock Island - Sewer Dept.  
Attn: Randy James & Larry Cook  
1528 - 3rd Ave.  
Rock Island, IL 61201

DATE		FOB	QUOTE NO.	P.O. NO.		
5/1/13		Delivered	RIS042313-2			
QTY	ITEM	DESCRIPTION		U/M	UNIT PRICE	Total
1	Repair...	Repair and Return (1) Spencer Model 6575 HMOD S/N 248079  Repair includes the Following: Sandblast, Pressure Clean, Shaft Repair, Bore & Sleeve Bearing Housing, Balance, Assemble, Paint  Repair includes replacing the Following: Rope Packing, Interstage Deflector Packing, Outboard Bearing, Inboard Bearing, Division Head Packing, End Head Packing and Gasket, Locknut, Lockwasher, Impeller Shims, Gaskets  Delivery: 2-3 weeks FOB: Delivered  Price of New: \$32,794.00 + Approx. \$2,500.00 Freight  Thank you for the opportunity to quote! Please advise how you would like to proceed. Mindy Laing			10,165.00	10,165.00
Salesman: MS				<b>Total</b>		\$10,165.00

QUOTE VALID FOR 30 Days

\*\*\* WE ACCEPT MASTERCARD, VISA, &amp; DISCOVER \*\*\*