

**RESOLUTION 2012-074**  
**RESOLUTION AUTHORIZING AND APPROVING CHANGE ORDER**

WHEREAS, The Bordentown Sewerage Authority is satisfied that a need for the following change order exists and that it is not reasonably possible to execute a new contract for the additional work; and

NOW, THEREFORE, BE IT RESOLVED this 17<sup>TH</sup> day of September, 2012, that the following change order be and the same is hereby approved and authorized:

CONTRACT: Energy Audit Improvements Contract

CHANGE ORDER NUMBER: 1

CONTRACTOR: Eagle Construction Services, Inc.

AMOUNT OF ORIGINAL CONTRACT: \$

AMOUNT OF PRIOR CHANGE ORDERS: \$

AMOUNT OF THIS CHANGE ORDER: \$ 13,738.00

TOTAL AMOUNT OF CHANGE ORDERS: \$ 13,738.00

TOTAL PERCENTAGE OF CHANGE ORDERS:

REASON FOR THIS CHANGE ORDER: To furnish and install new belts, sheaves and couplings at various motors being replaced under the current contract.

THE BORDENTOWN SEWERAGE AUTHORITY

By:   
Ronald L. Marino, Chairman

ATTEST:

  
Nancy Liberman, Secretary

# REMINGTON & VERNICK ENGINEERS AND AFFILIATES

EDWARD VERNICK, PE, CME, President  
CRAIG F. REMINGTON, PLS, PP, Vice President

EXECUTIVE VICE PRESIDENTS  
Michael D. Vena, PE, PP, CME, (deceased 2006)  
Edward J. Walberg, PE, PP, CME  
Thomas F. Beach, PE, CME  
Richard G. Arango, PE, CME

DIRECTOR OF OPERATIONS  
CORPORATE SECRETARY  
Bradley A. Blubaugh, BA, MPA

#### SENIOR ASSOCIATES

John J. Cantwell, PE, PP, CME  
Alan Dittenhofer, PE, PP, CME  
Frank J. Seney, Jr., PE, PP, CME  
Terence Vogt, PE, PP, CME  
Dennis K. Yoder, PE, PP, CME, LEED  
Charles E. Adamson, PLS, AET  
Kim Wendell Bibbs, PE, CME  
Marc DeBlasio, PE, PP, CME  
Leonard A. Faiola, PE, CME  
Christopher J. Fazio, PE, CME  
Kenneth C. Ressler, PE, CME  
Gregory J. Sullivan, PE, PP, CME  
Richard B. Czekanski, PE, CME, BCEE

Remington & Vernick Engineers  
232 Kings Highway East  
Haddonfield, NJ 08033  
(856) 795-9595  
(856) 795-1882 (fax)

#### Remington, Vernick & Vena Engineers

9 Allen Street  
Toms River, NJ 08753  
(732) 286-9220  
(732) 505-8416 (fax)

3 Jocama Boulevard, Suite 300-400  
Old Bridge, NJ 08857  
(732) 955-8000  
(732) 591-2815 (fax)

#### Remington, Vernick & Walberg Engineers

845 North Main Street  
Pleasantville, NJ 08232  
(609) 645-7110  
(609) 645-7076 (fax)

4907 New Jersey Avenue  
Wildwood City, NJ 08260  
(609) 522-5150  
(609) 522-5313 (fax)

#### Remington, Vernick & Beach Engineers

922 Fayette Street  
Conshohocken, PA 19428  
(610) 940-1050  
(610) 940-1161 (fax)

5010 East Trindle Road, Suite 203  
Mechanicsburg, PA 17050  
(717) 766-1775  
(717) 766-0232 (fax)

U.S. Steel Tower  
600 Grant Street, Suite 1251  
Pittsburgh, PA 15219  
(412) 263-2200  
(412) 263-2210 (fax)

Univ. Office Plaza, Bellevue Building  
262 Chaopman Road, Suite 105  
Newark, DE 19702  
(302) 266-0212  
(302) 266-6208 (fax)

#### Remington, Vernick & Arango Engineers

Residential Center  
in Building, Suite 500  
Route 130  
Cinnaminson, NJ 08077  
(856) 303-1245  
(856) 303-1249 (fax)

300 Penhorn Avenue, 3rd Floor  
Secaucus, NJ 07094  
(201) 824-2137  
(201) 624-2136 (fax)

September 17, 2012

Richard Eustace, Executive Director  
Bordentown Sewerage Authority  
P.O. Box 396  
954 Farnsworth Avenue  
Bordentown, NJ 08505

RE: **Bordentown Sewerage Authority**  
**Contract No. 5 – Black's Creek Wastewater Treatment Plant**  
**Energy Audit Improvements**  
**Change Order No. 3 Recommendation**  
**Our File #0304M026**

Dear Mr. Eustace:

The contractor, Eagle Construction Company has submitted a change order which we recommend for approval and is summarized below:

- As requested by the BSA, Eagle Construction Company's subcontractor performed an inspection of the existing locations designated for motor replacement and generated a list of motor appurtenance type items such as shaft coupling inserts, belts, and motor sheaves that have degraded over time and recommended for replacement. The coupling inserts are an elastomeric material that transmits the torque through the two components of the motor coupling. Typically their life is 6-7 years. The motor sheaves are the grooved devices that contain the belt on both ends and transmit the RPM's to the equipment's operating shaft. With the new motors being installed it is good practice to also replace these appurtenance items to gain the optimum efficiency from the new premium efficiency motors as these items degrade with use. It is also a savings to address these items at the time of motor replacement to save on the labor cost of installing these items.

Therefore we recommend authorization to Eagle Construction Company for a change order of \$ 13,738.00. In discussions with Mr. Dave Helfrich of the NJDEP since there are unused monies in the project's design engineering allocation there are adequate funds in the overall project funding to permit award of this change order without having to request supplemental funding.

T:\Water\Facilities06on\NJ Burlington\0304 Bordentown SA\M026 Energy Audit  
CA\Correspondence\Change order #3 rec to BSA, 09-17-2012.doc

*Earning Our Reputation Every Day Since 1901*  
www.rve.com

Page 2  
September 17, 2012  
Bordentown Sewerage Authority  
Contract No. 5 – Black's Creek Wastewater Treatment Plant Energy Audit Improvements  
Change Order #3 Recommendation

We have previously received a verbal approval from Mr. Helfrich of the NJDEP to authorize this change order.

If you have any questions regarding this correspondence please contact the writer.

Sincerely,

REMINGTON, VERNICK & ARANGO ENGINEERS, INC.

By 

Richard B. Czekanski, P.E., C.M.E.

RBC/rbc  
enclosure  
cc: w/encl

Judith Klim, BSA  
Craig Dansbury, BSA  
Edward Kondracki, BSA Solicitor  
David Helfrich, NJDEP

**EAGLE  
CONSTRUCTION SERVICES, INC.  
GENERAL CONTRACTORS**

1624 Jacksonville Road  
Burlington, NJ 08016

609-239-8000  
Fax 609-239-8008

August 22, 2012

**Bordentown Sewerage Authority**  
Attn: Richard Eustace, Executive Director  
954 Farnsworth Avenue  
Bordentown NJ 08505

**Project: Black Creek Wastewater Treatment Plant Energy Audit  
Improvements**

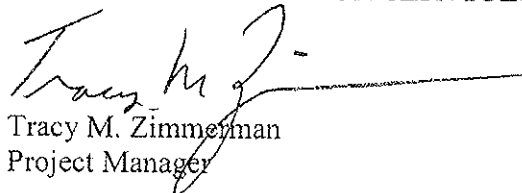
**Subject: Price Proposal – Provide New Belts, Sheaves & Couplings for  
Various Motors**

Dear Mr. Eustace,

In accordance with our verbal request, we hereby furnish our quotation in the amount of Thirteen Thousand Seven Hundred Thirty Eight Dollars & Zero Cents (\$13,738.00) to furnish and install new belts, sheaves and couplings at various motors that are being replaced under our current contract.

Scope will be in accordance with Willier Electric Motor Repair Company's quoted dated 8/20/2012. The quoted price included Willier's quote with our mark-up of 8%.

Very truly yours,  
**EAGLE CONSTRUCTION SERVICES, INC.**

  
Tracy M. Zimmerman  
Project Manager

Cc: Ken Warner

# WILLIER

---

ELECTRIC MOTOR REPAIR CO., INC.

---

1 Linden Avenue • P.O. Box 98 • Gibbsboro, NJ 08026  
(856) 627-3535 • Fax (856) 627-5271

August 20, 2012

Eagle Construction Services, Inc  
For The  
Black's Creek Wastewater Treatment Plant  
Energy Audit Improvements

## Our Proposed Quote for New Belts, Sheaves, Couplings

### Description of Supply

Supply Replacement Belts, Sheaves and Couplings for New Motors that are being supplied thru Eagle Construction on above-mentioned project.

#### P102

Replace Shaft Coupling Insert

#### P104

Replace Shaft Coupling Insert

#### K2-A, B & C

Re-Use existing

#### P4-A, B & C

Replace Shaft Coupling Inserts

#### P8-A, B & C

Replace Shaft Coupling Inserts

#### Sludge Tank Blower

Replace Shaft Coupling Inserts

#### P6-A, B & C

Complete Belts Sheaves -- Motor Only

Bando BX105 (Qty. 9)

Mask 3B56 (Qty. 3)

MaskSD1.3/8 (Qty. 3)

Continued next page

Bordentown  
Blacks Creek Project  
Continued

**Disk Motors**

Replace All Belts and Sheaves

Bando 5VX-850 (Qty. 48)

Mask 25V975 (Qty. 24)

Mask SK11.7/8 (Qty. 24)

Mask25V160 (Qty. 24)

Mask SF2.7/16 (Qty. 24)

70' of 1" Sealtite

24 - 90 ° Elbow Couplings

24 - Straight Couplings

**Total Cost \$12,720.00**

Any questions please contact me by Phone 609-922-4460

Thank you,  
Kurt M. Schneider