



# Town of Merrimack, New Hampshire

6 Baboosic Lake Rd · Merrimack, NH 03054 · [www.merrimacknh.gov](http://www.merrimacknh.gov)

July 26, 2016

## REQUEST FOR BID ROLLING DOOR OPERATORS

Sealed bids will be received by the Town of Merrimack until 2:00PM on Tuesday, August 16, 2016 to provide and deliver electric door operators to the Merrimack Wastewater Treatment Facility, in accordance with the enclosed specifications and following conditions.

- Eight (8) electric door operators.
- Door operators shall be connected to existing wiring, all modifications shall be included in the bid.
- Installed doors are manufactured by Cornell Overhead doors.

Time and effort spent for bid preparation is the responsibility of the bidder. The act of submitting a bid is considered to be full acknowledgement that the bidder has inspected the sites and is familiar with the conditions. The existing doors and openers may be viewed at the Merrimack Wastewater Treatment Facility between the hours of 7am and 2:30pm Monday – Friday. Please contact Lee Vogel at (603) 420-1622 to schedule an appointment.

The bid shall be submitted on the Bid Form furnished herewith and shall exclude state and federal taxes not applicable to municipalities. The bid price shall include delivery and be quoted F.O.B. Town of Merrimack, Wastewater Treatment Facility, 36 Mast Rd, Merrimack, NH.

The contractor will be required to provide an insurance certificate confirming the following insurance coverage: worker's compensation insurance as required by the State of New Hampshire; broad-form comprehensive general liability insurance in an amount no less than \$1,000,000 combined single limit per occurrence; and motor vehicle insurance to include bodily injury, property damage, uninsured motorist, and employer's non-ownership coverage in an amount no less than \$1,000,000 combined single limit per occurrence. The Town of Merrimack shall be named as an additional insured on all policies.

The contractor must also agree in writing to indemnify the Town of Merrimack from any and all liability, loss or damage, including but not limited to bodily injury, illness, death, or property damage, which the Town becomes legally obligated to pay as a result of claims, demands, costs, or judgment against the Town arising out of the contractor's actions or omissions relating to this project.

The Town's evaluation of the bidder's experience and reputation will include discussions with current users. Therefore, bidders shall identify on the Bid Form three customers for whom comparable repairs have been completed within the last five years.

The Town reserves the right to reject any or all bids, to waive irregularities in the bids, and to accept the bid which best serves the interest of the Town.

Two copies of the bids must be marked "Bid on Rolling Door Openers", be sealed and shall include the bid form furnished and be mailed to the Town of Merrimack Finance Department, 6 Baboosic Lake Rd, Merrimack, NH 03054 by the time specified above when they will be read aloud.

It is the bidder's responsibility to confirm the bid is received by the Finance Department by the date and time specified.

The Town of Merrimack's Purchasing Policy is available on the Town's website: [http://www.merrimacknh.gov/town/departments/finance/bid\\_opportunities](http://www.merrimacknh.gov/town/departments/finance/bid_opportunities); a copy may be obtained by contacting the Purchasing Agent.

For additional information contact Xenia Simpson, Purchasing Agent, at [xsimpson@merrimacknh.gov](mailto:xsimpson@merrimacknh.gov) or (603) 424-7075.



## TOWN OF MERRIMACK, NEW HAMPSHIRE

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FINANCE DEPARTMENT  
6 Baboosic Lake Road  
Merrimack, NH 03054

Tel: 603-424-7075  
Fax: 603-424-0516

### Specifications for Rolling Door Operators RHX Electric Operators Nema 4X or equal

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#### PART 1 – GENERAL

##### 1.01 WORK INCLUDED

- A. Provide eight (8) electric door operator(s) of size and capacity recommended for door(s) as provided by door manufacturer with electric motor and factory pre-wired motor controls, starter, reduction unit, band brake, clutch, control devices, and accessories required for proper operation. The intent of the specification is to provide operators that will work seamlessly with installed doors and must be supplied as one package (one bid). The operators must be capable of working in a harsh environment at our composting facility .  
**Currently installed doors are manufactured by Cornell Overhead Doors.  
All systems must be rated at NEMA 4X**

##### 1.02 RELATED WORK

- A. Connection to existing wiring is required. Miscellaneous metal work or modifications shall be included in the bid

##### 1.03 QUALITY ASSURANCE

- A. In accordance with accepted quality assurance guidelines for motor-operated doors, both the door and electric operator shall be manufactured by a single-source producer of door systems, such as by Overhead Door Corporation or equal.
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## **PART 2 – PRODUCT**

### **2.01 GENERAL**

- A. The electric door operator shall be Model RHX™ series door control system for a rolling steel door as manufactured by Overhead Door Corporation or equal and suitable for the type and size of door specified rated at 4X.
- B. The electric operator shall be three phase 480 V.
- C. All components to have corrosion resistant coatings.
- D. The operator shall be NEMA 4X

### **2.02 MOTOR**

- A. Motor shall be:
  - a. 1 horsepower three phase 480V TENV.
  - b. Motor frame shall be complete 1 HP 480 V three phase

### **2.03 REDUCTION**

- A. Primary reduction is a worm gear running in an oil bath. Secondary reduction is by chain and sprocket.

### **2.04 DUTY CYCLE**

- A. Duty cycle shall accommodate standard duty usage up to 60 cycles per hour during peak usage periods.

### **2.05 BRAKE**

- A. Brake shall be a DC Disc type with selectable Progressive Braking for smooth stopping.

### **2.06 CLUTCH**

- A. Clutch shall be adjustable friction disc type standard on all versions.

### **2.07 LIMIT SYSTEM**

- A. The Limit Lock™ or equal limit system shall be magnetic type providing absolute positioning with push to set and remote setting capabilities. The Limit System shall remain synchronized with the door during manual operation and supply power interruptions.

### **2.08 CONTROL SYSTEM**

- A. The control system shall be microprocessor based with relay motor controls on a single board. This system will incorporate Einstein Logic™ or equal, with a

16 character Liquid Crystal Display (LCD) to display the system status. This system shall be capable of monitoring and reporting on a variety of operating conditions, including: Current operating status, Current comment status, Motor movement status, Current error status (if applicable), Hoist Interlock status (if applicable), External Interlock status, 24 VDC status.

- B. The control system shall feature a delay-on-reverse operating protocol.
- C. The system shall include maximum run timers in both directions of travel that limit motor run time in the event the clutch slips or some other problem occurs.
- D. It shall include provisions for the connection of a 2-wire monitored photocell system as well as standard 2-wire sensing edges, photocells or other entrapment protection devices rated at NEMA 4X.
- E. The systems shall include 3-button control stations rated at NEMA 4X. See attachment for the type of opener required or equal.
- F. The control system shall include on board open, close and stop control keys for local operation.

## 2.09 MOUNTING

- A. Mounting for Rolling Steel doors shall be wall-mount, front of hood and chain/sprocket coupling to door.

## 2.10 RELEASE

- A. Release shall be a pull and hold type mechanism with single cable operation and an integrated interlock switch on hoist units.

## 2.11 HOIST

- A. Chain hoist shall consist of chain pocket wheel, chain guard and smooth hand chain on hoist units.

## 2.12 SECONDARY REVERSAL

- A. Rolling Steel versions shall be designed to accept an optional external reversing device.
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### **PART 3 – EXECUTION**

1.01 The Model RHX™ or equal shall be installed in accordance with Overhead Door Corporation instructions and standards or equal. Installation will be by a trained and authorized Overhead Door Corporation representative or equal.

1.02 Overhead Doors shall be operated, tested, and adjusted as needed to be considered a complete installation

### **Part 4- Warranty**

Two year or 20,000 cycle warranty on parts and labor



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**FINANCE DEPARTMENT**  
**6 Baboosic Lake Road**  
**Merrimack, NH 03054**

**Tel: 603-424-7075**  
**Fax: 603-424-0516**

**Bid on Rolling Doors**  
**Bid Form**

*Due by 2:00PM on Tuesday, August 16, 2016*

Eight door openers, according to the Town's bid

Specifications \$ \_\_\_\_\_

\*includes all costs, including delivery and installation

The above bid is provided in accordance with the Town's bid invitation dated July 26, 2016, except as indicated below.

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Bidder: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Phone No: \_\_\_\_\_ Fax No: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

E-mail: \_\_\_\_\_

**Bidder:** \_\_\_\_\_

**List of References:**

Project: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact: \_\_\_\_\_

Project: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact: \_\_\_\_\_

Project: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact: \_\_\_\_\_