

Date: July 11, 2016

**ADDENDUM NO. 5
to the
Iowa Department of Transportation
Proposal No. 16959
For Overhead Doors, Openers and Installation at Various Statewide Maintenance Facilities
Letting Date: 07/15/2016**

Notice To Bidders:

This Addendum is issued to incorporate the following additions, deletions, corrections, and/or clarifications to the terms or specifications and shall hereby be considered a part of the final contract documents. This Addendum shall supersede, modify and/or change all statements to the contrary in the bid proposal and shall take precedence over previous terms or specifications.

CHANGE: There has been a language change in **SECTION 08 3613.50 ELECTRIC DOOR OPERATORS ONLY**

1.05 WARRANTY

- A. Correct defective Work within a ~~five-year~~ **2 Year** period after Date of Substantial Completion.
- B. Warranty: Include coverage for electric motor and transmission.
- C. Provide ~~10-year~~ **2 year** manufacturer warranty for electric operating equipment.

All Bidders must sign and return this Addendum for the bid opportunity referenced above. Failure to do so may subject the Bidder to disqualification. If a bid response has already been submitted, this Addendum shall be signed and emailed or faxed to the Purchasing Section prior to the scheduled Letting Date.

Company Name (*please print*)

Date

Signature
Sincerely,

Jody McNaughton, Purchasing Agent (title)
Phone No. 515-239-1298 Fax No. 515-239-1538
Jody.mcnaughton@dot.iowa.gov

SECTION 08 3613.50

ELECTRIC DOOR OPERATORS ONLY (REVISED 7-11-2016)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Electrical Operators and controls.

1.02 REFERENCE STANDARDS

- A. NEMA MG 1 - Motors and Generators; National Electrical Manufacturers Association; 2014.
- B. NFPA 70 - National Electrical Code; National Fire Protection Association; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.03 SUBMITTALS

- A. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
- B. Product Data: Show component construction, anchorage method, and hardware.
- C. Manufacturer's Installation Instructions: Include any special procedures required by project conditions.
- D. Operation Data: Include normal operation, troubleshooting, and adjusting.
- E. Maintenance Data: Include data for motor and transmission, shaft and gearing, lubrication frequency, spare part sources.
- F. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years of experience.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified.

1.05 WARRANTY

- A. Correct defective Work within a 2 year period after Date of Substantial Completion.
- B. Warranty: Include coverage for electric motor and transmission.
- C. Provide 2 year minimum manufacturer warranty for electric operating equipment.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Door Operator to meet requirements of existing overhead door manufacturer..
- B. Acceptable Manufacturers:
 - 1. Liftmaster
 - 2. Overhead Door, RSX

2.02 ELECTRICAL OPERATION

- A. Electrical Characteristics:
 - 1. 3/4 hp; manually operable in case of power failure, transit speed of 12 inches per second.
 - 2. 115 volts, single phase, 60 Hz.
- B. Motor: NEMA MG1, Type 1 (Type 1 Operator), NEMA MG1 for Non-wet and corrosive locations and NEMA 4X and NEMA 12 enclosures for (Type 3 Operator) fan cooled TEFC motor for wet and corrosive locations.

- C. Wiring Terminations: Provide terminal lugs to match branch circuit conductor quantities, sizes, and materials indicated. Enclose terminal lugs in terminal box sized to NFPA 70.
- D. Disconnect Switch: Factory mount disconnect switch in control panel.
- E. Electric Operator: Center-pull, trolley style, jack-shaft type with; adjustable safety friction clutch, brake system actuated by independent voltage solenoid controlled by motor starter, enclosed gear-driven limit switch, enclosed magnetic cross-line reversing starter, mounting brackets, and hardware.
- F. Counterbalance Mechanism dry locations (Type 1 Operator) only:
 - 1. Cross-head shaft shall be from manufacturer's standard steel.
 - 2. Helical-wound torsion-spring counter-balance on cross-head shaft shall be manufacturer's standard steel
 - 3. Lifting cables and hardware shall be manufacture's standard steel.
- G. Counterbalance Mechanism for wet and corrosive locations only (Type 3 Operator) only:
 - 1. Cross-head shaft shall be stainless steel.
 - 2. Helical-wound torsion-spring counter-balance on cross-head shaft shall be galvanized.
 - 3. Lifting cables and hardware shall be stainless steel.
- H. Control Station for Type 1 Operator (Dry Location): Standard three button (open-close-stop) momentary type control for each electric operator.
 - 1. 24 volt circuit.
 - 2. Surface mounted.
 - 3. Locate at inside door jamb.
- I. Control Station for Type 3 operator (Wet and Corrosive Location) Water proof NEMA 4X and NEMA 12 enclosure for standard three button (Open-close-stop) momentary type for each electric operator
 - 1. 24 volt circuit
 - 2. Surface Mounted
 - 3. Locate at inside door jamb
- J. Radio Control Antenna Detector.
- K. Hand Held Transmitter: (Type 1 and Type 3 Operators) Digital control, resettable.
 - 1. Provide 20) programmable 4 button operators.
- L. Photo Electric Sensor: furnish system to detect obstructions and reverse door without requiring door to contact obstruction.

PART 3 EXECUTION

3.01 EXAMINATION

3.02 INSTALLATION

3.03 ADJUSTING

- A. Adjust door assembly for smooth operation and full contact with weatherstripping.

END OF SECTION