

**DMVA 42210120/42220033: Area 25 (Training Corridor) ASP**

**FENCE, E&S, AND STORMWATER REPAIRS**

**FORT INDIANTOWN GAP**

**January 23, 2024**

**RFI-3 – 22 JAN 2024 (2 questions)**

1. Can we have a written spec and a detail drawing for the gate operator for the 20' cantilever?

**ANSWER: GATE OPERATORS**

**A. General: Provide factory-assembled automatic operating system designed for gate size, type, weight, and operation frequency. Provide operation control system with characteristics suitable for Project conditions, with remote-control stations, safety devices, and weatherproof enclosures; coordinate electrical requirements with building electrical system.**

1. **BABA Compliant**
2. **Provide operator designed so motor may be removed without disturbing limit-switch adjustment and without affecting auxiliary emergency operator.**
3. **Provide operator with UL approval.**
4. **Provide electronic components with built-in troubleshooting diagnostic feature.**
5. **Provide unit designed and wired for both right-hand/left-hand opening, permitting universal installation.**

**B. Comply with NFPA 70.**

**C. UL Standard: Fabricate and label gate operators to comply with UL 325.**

**D. Motor Characteristics: Sufficient to start, accelerate, and operate connected loads at designated speeds, within installed environment, with indicated operating sequence, and without exceeding nameplate rating or considering service factor. Comply with NEMA MG 1 and the following:**

1. **Voltage: 240 V.**
2. **Horsepower: 1.**
3. **Enclosure: Totally enclosed.**
4. **Duty: Continuous duty at ambient temperature of 105 deg F (40 deg C) and at altitude of 3300 feet (1005 m) above sea level.**
5. **Service Factor: 1.15 for open drip proof motors; 1.0 for totally enclosed motors.**
6. **Phase: One.**

**E. Gate Operators: Pedestal post mounted and as follows:**

- 1. Mechanical Slide Gate Operators:**
  - a. Duty: Heavy duty, commercial/industrial.**
  - b. Gate Speed: Minimum 60 feet (18.2 m) per minute.**
  - c. Maximum Gate Weight: 800 lb (363 kg).**
  - d. Frequency of Use: 25 cycles per hour.**
  - e. Operating Type: Wheel and rail drive with manual release.**
  - f. Drive Type: Enclosed worm gear and chain-and-sprocket reducers, roller-chain drive.**

**F. Remote Controls: Electric controls separated from gate and motor and drive mechanism, with NEMA ICS 6, Type 3 enclosure for pedestal mounting and with space for additional optional equipment. Provide the following remote-control device(s):**

- 1. Control Station: Momentary-contact, three-button-operated; located remotely from gate. Key switch to lock out open and close buttons.**
  - a. Function: Open, stop and close.**
- 2. Inductive Vehicle Loop inside Compound on Road for request for exit.**
  - a. Direct Burial Loop placed prior to asphalt application.**
  - b. Install according to manufacturer recommendation.**
  - c. Vehicle Loop Detector compatible with gate operator.**
- 3. Digital Keypad/ Card Reader Entry Unit: Multiple-programmable, code capability of not less than 2500 possible individual codes, consisting of five-digit codes.**
  - a. One keypad placed on gooseneck standard Mounting Post.**
  - b. Face-lighted unit with metal-keyed keypad fully visible at night.**
  - c. Located outside of compound for Access Control.**

**G. Obstruction Detection Devices: Provide each motorized gate with automatic safety sensor(s). Activation of sensor(s) causes operator to immediately function as follows:**

- 1. Action: Stop gate in opening cycle and reverse gate in closing cycle and hold until clear of obstruction.**
- 2. Internal Sensor: Built-in torque or current monitor senses gate is obstructed.**
- 3. Sensor Edge: Contact-pressure-sensitive safety edge, profile, and sensitivity designed for type of gate and component indicated, in locations as follows. Connect to control circuit using gate edge transmitter and operator receiver system.**

- a. Along entire gate leaf leading edge.
- 4. **Photoelectric/Infrared Sensor System:** Designed to detect an obstruction in gate's path when infrared beam in the zone pattern is interrupted.
- H. **Limit Switches:** Adjustable switches, interlocked with motor controls and set to automatically stop gate at fully retracted and fully extended positions.
  - 1. Type: Integral fail-safe release, allowing gate to be pushed open without mechanical devices, keys, cranks, or special knowledge.
- I. **Operating Features:**
  - 1. **Digital Microprocessor Control:** Electronic programmable means for setting, changing, and adjusting control features with capability for monitoring and auditing gate activity.
    - Provide unit that is isolated from voltage spikes and surges.
  - 2. **System Integration:** With controlling circuit board capable of accepting any type of input from external devices.
  - 3. **Automatic Closing Timer:** With adjustable time delay before closing and timer cut-off switch.
  - 4. **Open Override Circuit:** Designed to override closing commands.
  - 5. **Reversal Time Delay:** Designed to protect gate system from shock load on reversal in both directions.
  - 6. **Maximum Run Timer:** Designed to prevent damage to gate system by shutting down system if normal time to open gate is exceeded.
- J. **Accessories:**
  - 1. **Warning Module:** strobe-light alarm sounding three to five seconds in advance of gate operation and continuing until gate stops moving; compliant with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines.

#### **GATE OPERATOR INSTALLATION**

- A. **General:** Install gate operators according to manufacturer's written instructions, aligned and true to fence line and grade.
- B. **Excavation for Support Posts:** Hand-excavate holes for bases/pads, in firm, undisturbed soil to dimensions and depths and at locations as required by gate manufacturer's written instructions and as indicated.
- 2. For the cantilever is master halco a acceptable manufacture?

**ANSWER:** The Lift Master gate used for the basis of design is preferred over Master Halco gate. Lift Master is BABA US company. We have Lift Master in other facilities with a record of success.

Any further clarification or explanation required, please let me know.

Respectfully,

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