

Automated Barrier Swing Gates

1. Description. This Item governs for the furnishing and installation of automated barrier gates

Dry Creek and Veterans Cemetery Shared entrance / 10100 N. Horseshoe Bend Rd Boise, ID 83714 Entrance.

2. Materials.

A. General Requirements. All materials furnished, assembled, fabricated, or installed under this Item must be new, corrosion resistant. (Design to be approved prior to installation). Flat top no points or top bars. Wrought iron black powder coated.

The automated barrier gates include, but are not limited to the following:

* Gate foundation and pedestal

* Horizontal swing gates:

- Gate operators and housing for the control components

- Motors and the associated mechanical equipment

- Electrical components and associated equipment

- Control relays and limit switches

- Local Control Switches and push buttons

- Gate Arms

* Keypad and pedestal at entrance north side and exit south side.

B. Functional Requirements. The barrier gates are horizontal swing type, motor-operated and gear driven. The length of the gates must be sufficient to span the roadway of about 30 feet.

The barrier gates must withstand wind speeds up to a minimum of 70 MPH.

The design of the entire gate assembly and the driving mechanism must meet the requirements of all codes applicable to this type of equipment.

Limit switches are provided to restrict the movement of the gate only in the designated range.

The gate must have a travel range of 90 to 180 degrees. The entire

90-degree travel of the gate is accomplished in less than 12 seconds. For 180-degree travel, the time is less than 20 seconds.

Motor burn-out protection is provided to protect the motor when the gate meets an

obstruction.

A hand crank is furnished for each gate for manual operation. Or equivalent manual override system for manual operation of gates.

Heaters provided to allow for gate operations at -15 temperatures or colder.

Remote control operation required for individual cars. 5 required

Standard industry Battery backup in event of power failure.

There is existing electric power at sight but must be verified at sight prior to bid, any installation or modification of power must be included in bid. To include road cutting, patching and trenching.

Road sensors or button pedestal for trapped vehicles including motorcycles. Must be included in bid including asphalt cuts and patches as needed. Or equivalent upon approval.

Road painting and gate signage is to be included for safety for exiting vehicles when gate is closed, as gates will swing to the inside or exit side of property. This feature will ensure proper location of vehicle so that gates will not impact waiting vehicles or motorcycles.

Gates will have programmable scheduling capabilities for closing and opening automatically.