

# EVE HOA June 2022 Front Gate Report

There have been several recent improvements on the front gate system:

- A third photocell unit is now once again working. It is designed to prevent the entry gate from closing onto incoming cars lined up to access the mail boxes.
- All glass panes surrounding the lights on top the four columns have been replaced with a more resilient Plexiglas like acrylic that is 40x stronger than ordinary glass. In the past, at least one glass pane was found broken into pieces every year.
- As winter thawed, the exit gate started to open only partially or erratically. I diagnosed several causes and corrected them. The exit gate is working fine now.

Issues pending:

- The entry gate drive still does not automatically open during power failure. I spent 3 hours with a technician from WizardWorks (the installer) trying numerous diagnostics to find out why. No success. He is now in contact with DoorKing (the manufacturer) for advice on how to continue.
- One of the front tower lights is no longer receiving power. It is most likely because water has entered into the 25 year old underground conduit, causing electrical corrosion. Conduit needs to be excavated at both ends so water can be blown out and a new power cord sent through.
- The entry gate receiver is responding differently to various hand-held gate openers. This suggests the receiver's frequency bandwidth is too narrow causing it to respond poorly to slightly off-frequency signals. The simplest correction would be to buy a replacement receiver from another manufacturer. Fortunately, they are relatively inexpensive, around \$45.

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