RSS 4000 Maintenance Checklist (REV 2)

Barrier in ground

- Run the barriers through the operational sequence a few times using the card reader and a vehicle, and observe the movement of the bollards, the height of the individual bollards, and for proper SOO. Make notes for troubleshooting any questionable items.
- Observe the flashing lights on the bollards.
- Remove the bollard top plates and check the top pulleys for wear and alignment. Raise and lower the bollards while observing the runout on the pulleys. Correct any issues.
- Check the sump pump for operation.
- Turn the power off to the barrier.
- Remove the access top plate and enter the barrier. Take a flashlight.
- Remove any debris.
- Inspect the chains for proper tension. Make sure that none are rubbing on the bottom of the barrier. Adjust tensioner as needed. Check all retaining pins and spray the chains with chain lube.
- Check the bottom pulleys for alignment and wear. Repair, replace, or adjust as needed.
- Check the sump pump lines for breakage.
- Check the actuator, rod eye, and pins for wear.
- Check springs. Replace as needed. It may be necessary to remove the barrier assembly to replace springs.
- Check all clevis pins, clevis bolts and spacers for wear. Lubricate and replace as needed.
- Check for rusty areas, clean and paint with cold galvanize paint, as needed.
- Spray corrosion block on actuator and connectors.
- Clean bollard slide rails with WD 40 as needed.
- Spray spring ends with Fluid Film.
- Replace all top plates. Correct ant top plate screw issues and lubricate with antisieze.
- Test entire system and SOO including traffic lights and loops, using card reader and vehicle at least 10 times.

Checklist performed by:

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Print Name

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Signature                                      Date