

Security Improvements for Oakridge HOA Pool

Prepared 7/3/2019

Assumptions

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 - Security will not be provided for Multi-sport court
- Core problem
 - Nighttime intrusions have resulted in vandalism that cannot be tracked to individuals (because existing webcams do not function is existing night lighting)
 - Existing night lighting is insufficient along path to get to pool
- Proposed solution
 - Does not prevent intrusions but will capture color night-vision video sufficient for police review
 - Focused on high-value targets (e.g. guardshack, bathrooms)
 - Supports future decision reducing number of lifeguards

Existing design

- Three webcams (green) provide sufficient coverage during the day but night coverage is poor
- Physical barrier (red) generally sufficient
- Intrusions typically at primary admission gate
- **Lighting (yellow suns) insufficient for existing webcams/security**



Proposed design (highlighting changes)

- Additional 4 webcams (blue) provide sufficient coverage during the day and night
- All webcams are color, night-vision (infrared)
- Additional security lighting (orange suns)
- Video surveillance integrated into HOA website



One additional webcam will be kept as spare

Costs

- Security System \$1349.99
 - (4K Ultra HD IP NVR System with 8 Outdoor 4K 8MP IP Cameras, 200ft Night Vision)
- Security System Installation HOA task
- New Lighting
 - Poles for lights x 3 TBD
 - Lights x 3 TBD
 - Electrical hookup x 3 TBD
- Wiring for new camera TBD
- Integrate surveillance into website HOA task
- Taxes TBD

