

Bird Strikes at the Chase Fine Arts Building

By Michael Preece

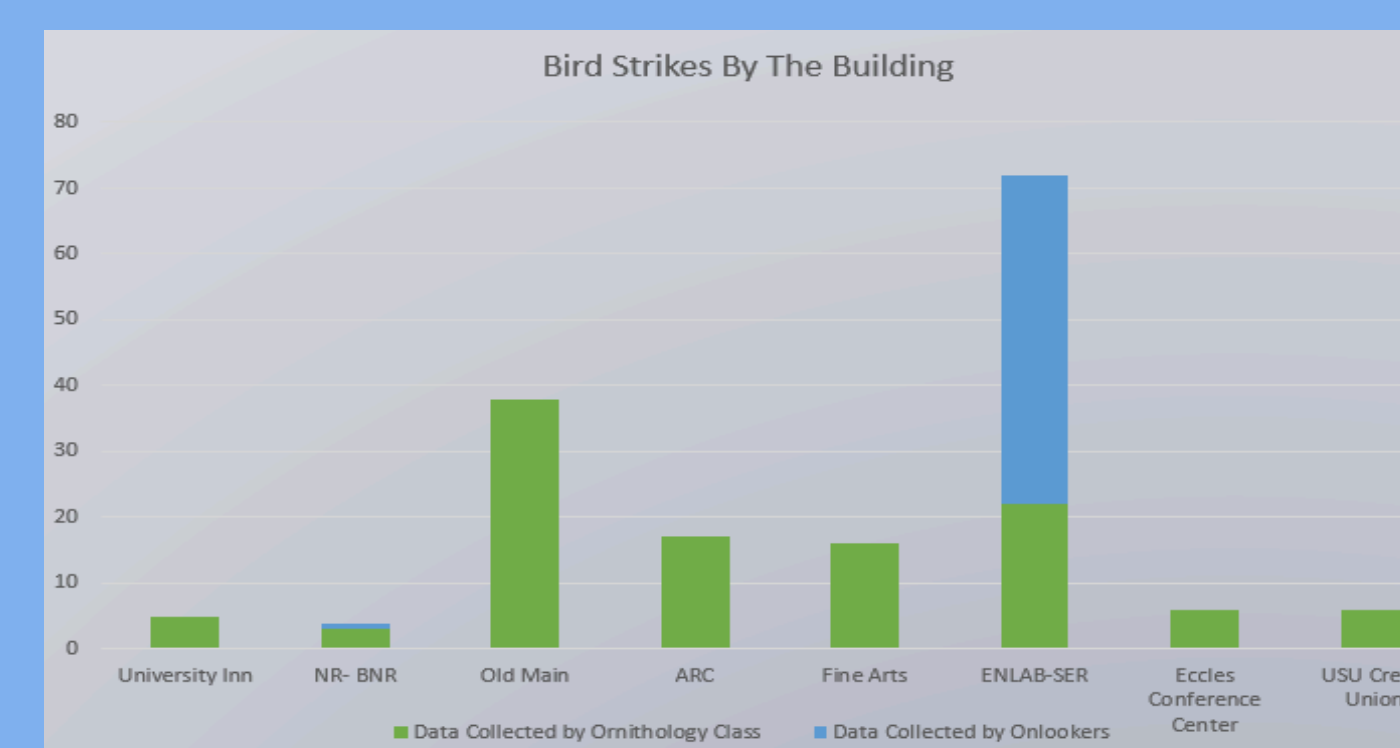
Introduction

- Up to one billion birds die each year by striking windows.
- Bird eyes do not interpret windows as solid objects.
- At Utah State, hundreds of birds die each year in bird strikes.
- One of the buildings that is responsible for a large portion of bird strikes is the Chase Fine Arts building.
- Fruit trees in front of the Chase Fine Arts windows cause a reflection which confuse birds
- A reduction in window reflectivity greatly reduces bird strike problems.

Chase Fine Arts Building

- The Chase Fine Arts building has four large windowed rooms with a total of 1800 square feet of window space.
- The building is on a main road, and its windows are clearly visible, so the solution needed to look clean and unobtrusive.
- With a limited budget the solution also had to be cost effective.

Chase Fine Arts Windows



Frequency of Bird Strikes on Campus Buildings



Outside View of the Windows

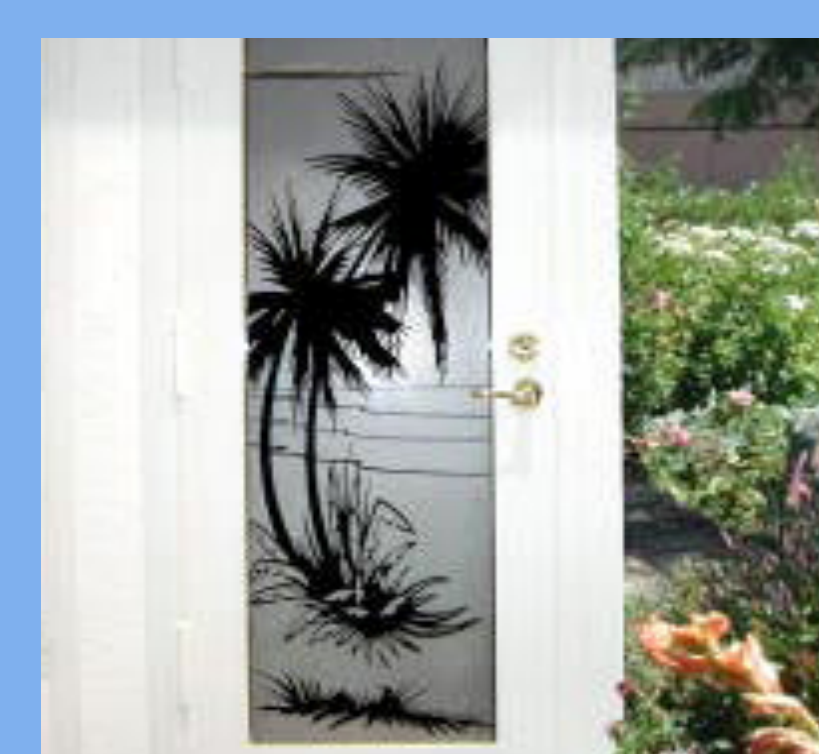


An Inside View of the Windows

Prevention Options



• SunShield Pros



• Window Decals



• CollidEscape Color



• CollidEscape Clear

Costs

- **Sun shield pro** is \$2.85 per square foot for a total of **\$5,130** across all windows.
- **Window Decals** were \$3.00 per square foot for a total of **\$5,400** for all windows.
- **Collidescape Clear** is \$3.50 per square foot for a total of **\$6,300** for all windows.
- **CollidEscape Color** is \$2.50 per square foot for a total of **\$4,500** for all windows.

Conclusion

- We suggested to the administration to use CollidEscape Clear.
- This option was the least obtrusive option for the Chase Fine Arts building.
- Although it was the most expensive option, it was what best fit the university's requirements.