

# Antelope Village

## Level 2 Reserve Study



Report Period – 01/01/2019 – 12/31/2019

Client Reference Number	12637
Property Type	Townhouse
Number of Units	69
Fiscal Year End	12/31

Type of Study	Update w/Site Visit
Date of Property Inspection	8/27/2018
Prepared By	Dale Gifford
Analysis Method	Cash Flow
Funding Goal	Full Funding

Report prepared on – Thursday, October 04, 2018



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## Glossary of Commonly used Words and Phrases

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## Executive Summary – Antelope Village - ID # 12637

Information to complete this Reserve Study was gathered by performing an on-site inspection of the common area elements. In addition, we also obtained information by contacting any vendors and/or contractors that have worked on the property recently, as well as communicating with the property representative (BOD Member and/or Community Manager). To the best of our knowledge, the conclusions and recommendations of this report are considered reliable and accurate insofar as the information obtained from these sources.

<b>Projected Starting Balance as of 01/01/2019</b>	<b>\$196,000</b>
<b>Ideal Reserve Balance as of 01/01/2019</b>	<b>\$395,755</b>
<b>Percent Funded as of 01/01/2019</b>	<b>50%</b>
<b>Recommended Reserve Contribution (per month)</b>	<b>\$4,130</b>
<b>Recommended Special Assessment</b>	<b>\$0</b>

Antelope Village is a 69-unit Condominium community. The community offers a basketball court, playground and landscaped areas as amenities. Construction on the community was completed in 2006.

### Currently Programmed Projects

Projects programmed to occur this fiscal year (FY2019) include asphalt seal coat (Comp# 402), and play area groundcover refill (Comp# 1303). We have programmed an estimated \$9,380 in reserve expenditures toward the completion of these projects. (See page 15)

### Significant Reserve Projects

The association's significant reserve projects are roofs replace (Comp# 105), asphalt major rehab (Comp# 401), vinyl siding replace (Comp# 302), and stucco surfaces repair/repaint (Comp# 201). The fiscal significance of these components is approximately 40%, 9%, 8%, and 8% respectively (see page 9). A component's significance is calculated by dividing its replacement cost by its useful life. In this way, not only is a component's replacement cost considered but also the frequency of occurrence. These components most significantly contribute to the total monthly reserve contribution. As these components have a high level of fiscal significance the association should properly maintain them to ensure they reach their full useful lives.

### Reserve Funding

In comparing the projected starting reserve balance of \$196,000 versus the ideal reserve balance of \$395,755 we find the association's reserve fund to be approximately 50% funded. This indicates a fair reserve fund position. In order to continue to strengthen the account fund, we suggest adopting a monthly reserve contribution of \$4,130 (\$59.86/unit) per month. If the contribution falls below this rate, then the reserve fund may fall into a situation where special assessments, deferred maintenance, and lower property values are likely at some point in the future.

# Introduction

## Reserve Study Purpose

The purpose of this Reserve Study is to provide the Association with a budgeting tool to help ensure that there are adequate reserve funds available to perform future reserve projects. The detailed schedules will serve as an advance warning that major projects will need to be addressed in the future. This will allow the Association to have ample time to obtain competitive bids for each project. It will also help to ensure the physical well-being of the property and ultimately enhance each owner's investment, while limiting the possibility of unexpected major projects that may lead to special assessments.

## Preparer's Credentials

Mr. Gifford has been working in the community association industry for the last 16 years. Prior to taking a position, as the Regional Project Manager covering the Utah region, at Complex Solutions, he worked in community association management in Utah. While in community association management his positions included, Maintenance Supervisor, Senior Portfolio Manager and Vice President of Community Management. His work in community association management gave him extensive experience with; budget creation, reserves and reserve budgeting, community inspections and analyzing common area components.

- Professional Reserve Analyst (PRA) designation from Association of Professional Reserve Analysts (APRA), PRA #2320
- Reserve Specialist (RS) designation from Community Associations Institute (CAI), RS# 231
- Personally has prepared over 1,400 reserve studies in Salt Lake City Utah and surrounding areas
- Bachelor of Science in Chemistry from Emporia State University
- Certified Manager of Community Associations® (CMCA®) designation from the National Board of Certification for Community Association Managers (NBC-CAM)
- Association Management Specialist® (AMS®) designation from Community Associations Institute (CAI)
- Professional Community Association Manager® (PCAM®) designation from Community Associations Institute (CAI), PCAM# 1740,
- Active member and former Board member and chapter President of the Utah Chapter of Community Associations Institute (UCCAI)
- Recipient of Community Associations Institute's (CAI) annual award of Excellence in Chapter Leadership for service an achievement in 2010

## Budget Breakdown

Every association conducts their business within a budget. There are typically two main parts to this budget, the Operating budget and the Reserve budget. The operating budget includes all expenses that occur on an annual basis as well as general maintenance and repairs. Typical operating budget line items include management fees, maintenance expenses, utilities, etc. The reserve budget is primarily made up of replacement items such as roofing, fencing, mechanical equipment, etc., that do not normally occur on an annual basis.

## Report Sections

**Reserve Analysis:** this section contains the evaluation of the association's reserve balance, income, and expenses. It includes a finding of the client's current reserve fund status (measured as percent funded) and a recommendation for an appropriate reserve allocation rate (also known as the funding plan).

**Component Evaluation:** this section contains information regarding the physical status and replacement cost of reserve components the association is responsible to maintain. It is important to understand that while the component inventory will remain relatively "stable" from year to year, the condition assessment and life estimates will most likely vary from year to year.

## General Information and Frequently Asked Questions

### **Is it the law to have a Reserve Study conducted?**

The Government requires a reserve study in approximately 20 states. Also, the Association's governing documents may require a reserve fund be established. This does not mean a Reserve Study is required, but how are you going to know if you have enough money in the reserve fund if you do not have the proper information?

### **Why is it important to perform a Reserve Study?**

This report provides the essential information that is needed to guide the Association in establishing the reserve portion of the total monthly assessment. The reserve fund is critical to the future of the association because it helps ensure that reserve projects can be completed on time. When projects are completed on time, deferred maintenance and the lower property values that typically accompany it can be avoided. It is suggested that a third party professionally prepare the Reserve Analysis Study since there is no vested interest in the property.

### **After we have a Reserve Study, what do we do with it?**

Please take the time to review the report carefully and make sure the component information is complete and accurate. If there are any inaccuracies, or changes such as a component that the association feels should be added, removed, or altered, please inform us immediately so we may revise the report. Use the report to help establish your budget for the upcoming fiscal year.

### **How often do we review and update our Reserve Study?**

There is a misconception that a Reserve Study is good for an extended period of time since the report has projections for a thirty year period. The assumptions, interest rates, inflation rates and other information used to create this report change each year. Scheduled events may not happen, unpredictable circumstances could occur, deterioration rates can be unpredictable and repair/replacement costs will vary from causes that are unforeseen. These variations alter the results of the Reserve Study. The Reserve Study should be professionally reviewed each year by having a Level III "no site visit" update reserve study performed. The Reserve Study should be professionally updated every three years by having a Level II "site visit" update reserve study performed.

### **What is a "Reserve Component" versus an "Operating Component"?**

A "Reserve" component is an item that is the responsibility of the association to maintain, has a limited useful life, predictable remaining useful life, typically occurs on a cyclical basis that exceeds one year, and costs above a minimum threshold amount. An "Operating" component is typically a fixed expense that occurs on an annual basis.

### **What are the GREY areas of "maintenance" items that are often seen in a Reserve Study?**

One of the most popular questions revolves around major "maintenance" items, such as painting the buildings or seal coating the asphalt. You may hear from your accountant that since painting or seal coating is not replacing a "capital" item, it cannot be considered a reserve component. However, it is the opinion of several major Reserve Study providers, including Complex Solutions, that these components meet the criteria of a reserve component.

### **Information and Data Gathered:**

The information contained in this report is based on estimates and assumptions gathered from various sources. Estimated life expectancies are based upon conditions that were readily visible and accessible at the time of the site visit. While every effort has been made to ensure accurate results, this report reflects the judgment of Complex Solutions, Ltd. and should not be construed as a guarantee or assurance of predicting future events.

### **What happens during the Site Visit?**

During the site visit we identify the common area components that we have determined require reserve funding. These components are quantified and a physical condition is observed. The site visit is conducted on the common areas as reported by client.

### **What is the Financial Analysis?**

We project the starting balance by taking the most recent reserve fund balance as stated by the client and add expected reserve contributions to the end of the fiscal year. We then subtract the expenses of any pending projects. We compare this number to the Fully Funded Balance and arrive at the Percent Funded level. Based on that level of funding we then recommend a Funding Plan to help ensure the adequacy of funding in the future.

**Measures of reserve fund financial strength are as follows:**

- 0% - 30% Funded** is considered a “weak” financial position. Associations that fall into this category are more likely to have special assessments and deferred maintenance. Action should be taken to improve the financial strength of the reserve fund.
- 31% - 69% Funded** is considered a “fair” financial position. Associations that fall into this category are less likely to experience special assessments and deferred maintenance than being in a weak financial position. Action should be taken to improve the financial strength of the reserve fund.
- 70% - 99% Funded** is considered a “strong” financial position. Associations that fall into this category are less likely to experience special assessments and deferred maintenance than being in a fair financial position. Action should be taken to improve the financial strength of the reserve fund.
- 100% Funded** is considered an “ideal” financial position. Action should be taken to maintain the financial strength of the reserve fund.

**Disclosures:**

Information provided to the preparer of a reserve study by an official representative of the association regarding financial, historical, physical, quantitative or reserve project issues will be deemed reliable by the preparer. A reserve study will be a reflection of information provided to the preparer of the reserve study. The total of actual or projected reserves required as presented in the reserve study is based upon information provided that was not audited.

A reserve study is not intended to be used to perform an audit, an analysis of quality, a forensic study or a background check of historical records. An on-site inspection conducted in conjunction with a reserve study should not be deemed to be a project audit or quality inspection.

The results of this study are based on the independent opinion of the preparer and his experience and research during the course of his career in preparing Reserve Studies. In addition the opinions of experts on certain components have been gathered through research within their industry and with client’s actual vendors. There is no implied warranty or guarantee regarding our life and cost estimates/predictions. There is no implied warranty or guarantee in any of our work product. Our results and findings will vary from another preparer’s results and findings. A Reserve Study is necessarily a work in progress and subsequent Reserve Studies will vary from prior studies.

The projected life expectancy of the reserve components and the funding needs of the reserves of the association are based upon the association performing appropriate routine and preventative maintenance for each component. Failure to perform such maintenance can negatively impact the remaining useful life of the component and dramatically increase the funding needs of the reserves of the association.

This Reserve Study assumes that all construction assemblies and components identified herein are built properly and are free from defects in materials and/or workmanship. Defects can lead to reduced useful life and premature failure. It was not the intent of this Reserve Study to inspect for or to identify defects. If defects exist, repairs should be made so that the construction components and assemblies at the community reach the full and expected useful lives.

**Site Visits:** Should a site visit have been performed during the preparation of this reserve study no invasive testing was performed. The physical analysis performed during the site visit was not intended to be exhaustive in nature and may have included representative sampling. Estimated life expectancies and life cycles are based upon conditions that were readily accessible and visible at the time of the site visit. We have assumed any and all components have been properly built and will reach normal, typical life expectancies. A reserve study is not intended to identify or fund for construction defects. We did not and will not look for or identify construction defects during our site visit. In addition, environmental hazards (such as lead paint, asbestos, radon, etc.), have been excluded from this report.

**Update Reserve Studies:**

**Level II Studies:** Quantities of major components as reported in previous reserve studies are deemed to be accurate and reliable. The reserve study relies upon the validity of previous reserve studies.

**Level III Studies:** In addition to the above we have not visited the property when completing a Level III “No Site Visit” study. Therefore we have not verified the current condition of the components.

**Insurance:** We carry general and professional liability insurance as well as workers’ compensation insurance.

**Actual or Perceived Conflicts of Interest:** There are no potential actual or perceived conflicts of interest that we are aware of.

**Inflation and Interest Rates:** The after tax interest rate used in the financial analysis may or may not be based on the clients reported after tax interest rate. If it is, we have not verified or audited the reported rate. The inflation rate may also be based on an amount we believe appropriate given the 30-year horizon of this study and may or may not reflect current or historical inflation rates.

# Funding Summary

## Beginning Assumptions

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# of units	68
Fiscal Year End	31-Dec
Budgeted Monthly Reserve Allocation	\$1,229
Projected Starting Reserve Balance	\$196,000
Ideal Starting Reserve Balance	\$395,755

## Economic Assumptions

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Projected Inflation Rate	3.00%
Reported After-Tax Interest Rate	0.10%

## Current Reserve Status

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Current Balance as a % of Ideal Balance	50%
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## Recommendations

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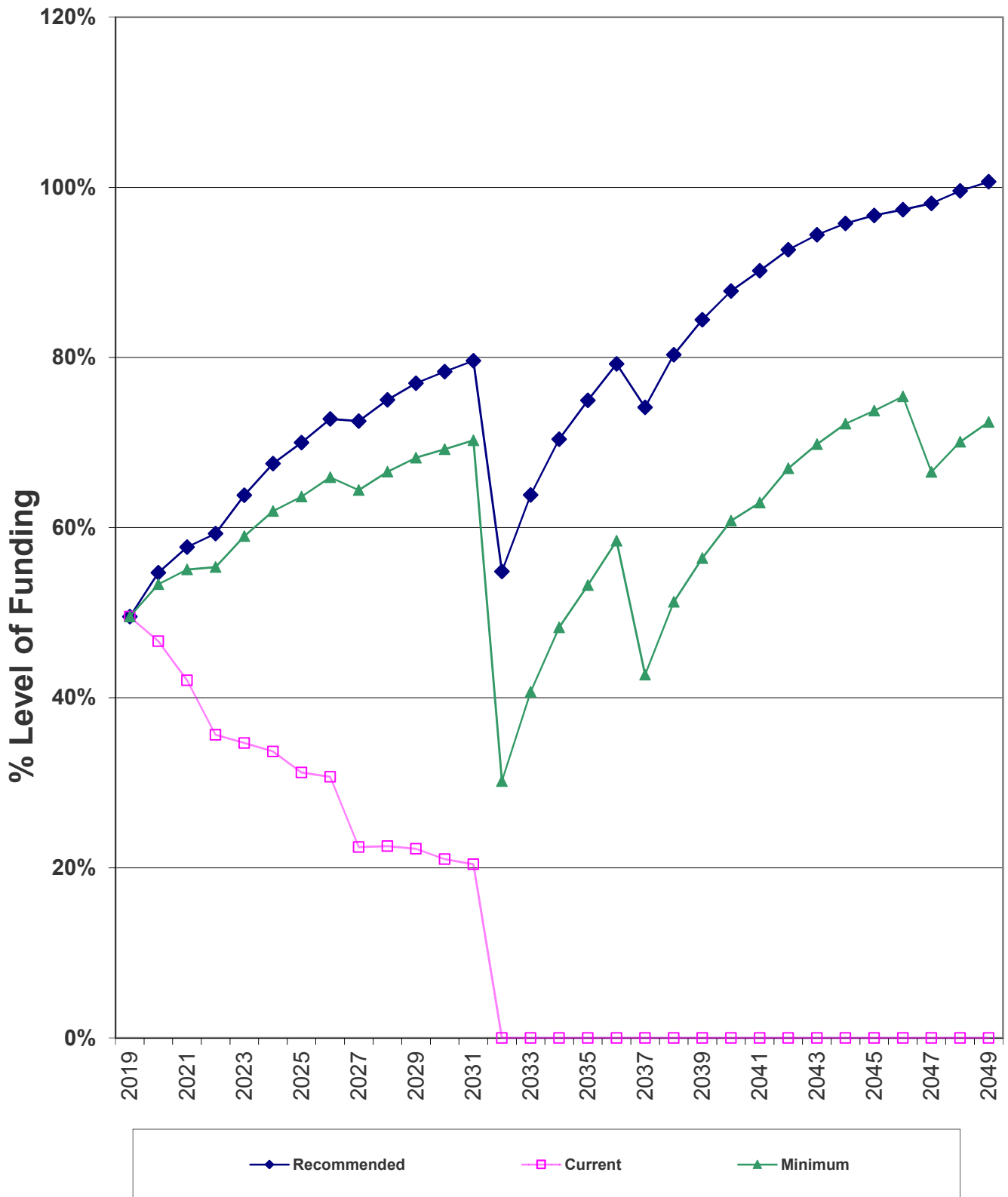
Recommended Monthly Reserve Allocation	\$4,130
Per Unit	\$60.74
Future Annual Increases	3.00%
For number of years:	30
Increases thereafter:	0.00%
70% Funded Monthly Reserve Allocation Reference	\$3,640
Per Unit	\$53.53
Future Annual Increases	3.00%
For number of years:	30
Increases thereafter:	0.00%

## Changes From Prior Year

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Recommended Increase to Reserve Allocation as Percentage	\$2,901 236%
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# Percent Funded - Graph





## Component Inventory

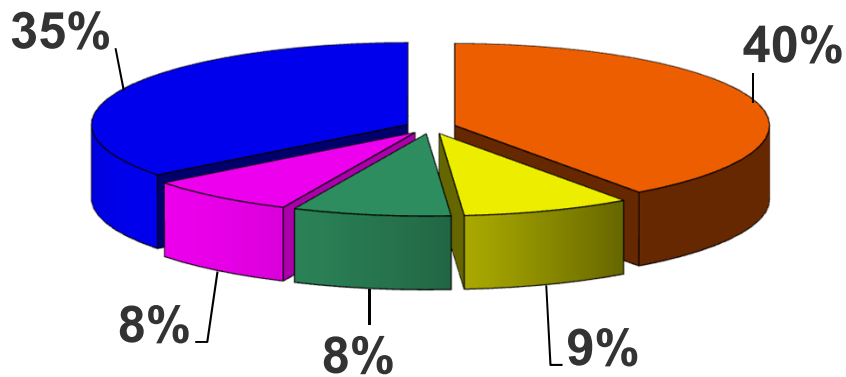
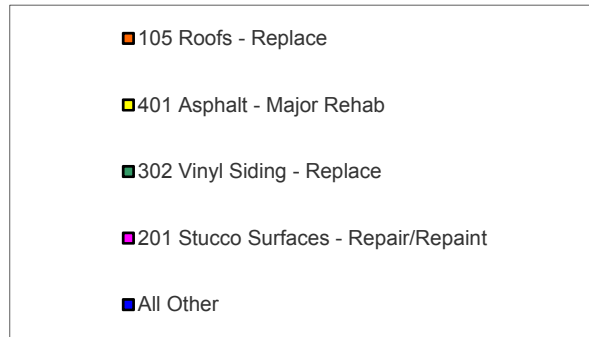
Category	ID #	Component Name	Useful Life (yrs.)	Remaining Useful Life (yrs.)	Best Cost	Worst Cost
Roofing	105	Roofs - Replace	25	12	\$291,638	\$374,963
	120	Rain Gutters/Downspouts - Replace	30	17	\$33,990	\$40,170
Painted Surfaces	201	Stucco Surfaces - Repair/Repaint	15	2	\$34,025	\$42,531
	202	Porch Poles - Repaint	5	4	\$2,400	\$2,600
	204	Front Doors - Repaint	N/A		\$0	\$0
	219	Faux Shutters - Repaint	6	5	\$3,750	\$5,625
Siding Materials	302	Vinyl Siding - Replace	40	27	\$97,500	\$117,000
	390	Faux Shutters - Replace	20	19	\$6,900	\$7,100
Drive Materials	401	Asphalt - Major Rehab	25	12	\$61,350	\$81,800
	402	Asphalt - Seal Coat	5	0	\$7,771	\$8,589
	403	Concrete - Repair/Replace	10	7	\$7,500	\$10,000
Prop. Identification	801	Community Signs - Replace	20	7	\$1,500	\$2,500
	803	Mailboxes - Replace	20	7	\$7,750	\$8,750
Fencing	1002	Metal Fencing - Replace	40	27	\$8,250	\$9,900
	1008	Vinyl Fencing & Railing - Replace	30	17	\$55,080	\$64,260
Courts	1207	Basketball Equipment - Replace	12	3	\$750	\$1,250
Recreation Equip.	1301	Play Structure - Replace	20	7	\$4,000	\$6,000
	1303	Play Area Groundcover - Refill	5	0	\$1,000	\$1,400
	1307	Bench - Replace	15	2	\$600	\$800
Light Fixtures	1602	Exterior Light Fixtures - Replace	20	7	\$30,800	\$38,500
	1604	Pole Lights - Replace	16	3	\$1,200	\$1,600
Landscaping	1812	Landscaping & Irrigation System - Renov	20	1	\$20,000	\$30,000

## Significant Components

ID #	Component Name	Useful Life (yrs.)	Remaining Useful Life (yrs.)	Average Current Cost	Significance: (Curr Cost/UL)	
					As \$	As %
105	Roofs - Replace	25	12	\$333,300	\$13,332	40.1267%
120	Rain Gutters/Downspouts - Replace	30	17	\$37,080	\$1,236	3.7201%
201	Stucco Surfaces - Repair/Repaint	15	2	\$38,278	\$2,552	7.6806%
202	Porch Poles - Repaint	5	4	\$2,500	\$500	1.5049%
219	Faux Shutters - Repaint	6	5	\$4,688	\$781	2.3514%
302	Vinyl Siding - Replace	40	27	\$107,250	\$2,681	8.0700%
390	Faux Shutters - Replace	20	19	\$7,000	\$350	1.0534%
401	Asphalt - Major Rehab	25	12	\$71,575	\$2,863	8.6171%
402	Asphalt - Seal Coat	5	0	\$8,180	\$1,636	4.9240%
403	Concrete - Repair/Replace	10	7	\$8,750	\$875	2.6336%
801	Community Signs - Replace	20	7	\$2,000	\$100	0.3010%
803	Mailboxes - Replace	20	7	\$8,250	\$413	1.2415%
1002	Metal Fencing - Replace	40	27	\$9,075	\$227	0.6828%
1008	Vinyl Fencing & Railing - Replace	30	17	\$59,670	\$1,989	5.9865%
1207	Basketball Equipment - Replace	12	3	\$1,000	\$83	0.2508%
1301	Play Structure - Replace	20	7	\$5,000	\$250	0.7525%
1303	Play Area Groundcover - Refill	5	0	\$1,200	\$240	0.7224%
1307	Bench - Replace	15	2	\$700	\$47	0.1405%
1602	Exterior Light Fixtures - Replace	20	7	\$34,650	\$1,733	5.2145%
1604	Pole Lights - Replace	16	3	\$1,400	\$88	0.2634%
1812	Landscaping & Irrigation System - Rend	20	1	\$25,000	\$1,250	3.7623%



## Significant Components - Graph



ID #	Component Name	Useful Life (yrs.)	Remaining Useful Life (yrs.)	Average Current Cost	Significance: (Curr Cost/UL)	
					As \$	As %
105	Roofs - Replace	25	12	\$333,300	\$13,332	40%
401	Asphalt - Major Rehab	25	12	\$71,575	\$2,863	9%
302	Vinyl Siding - Replace	40	27	\$107,250	\$2,681	8%
201	Stucco Surfaces - Repair/Repaint	15	2	\$38,278	\$2,552	8%
All Other	See Expanded Table For Breakdown				\$11,797	35%

## Yearly Summary

Year	Fully Funded Balance	Starting Reserve Balance	% Funded	Reserve Contributions	Interest Income	Reserve Expenses	Ending Reserve Balance
2019	\$395,755	\$196,000	50%	\$49,560	\$216	\$9,380	\$236,396
2020	\$432,188	\$236,396	55%	\$51,047	\$249	\$25,750	\$261,942
2021	\$453,879	\$261,942	58%	\$52,578	\$268	\$41,352	\$273,436
2022	\$461,209	\$273,436	59%	\$54,156	\$299	\$2,623	\$325,268
2023	\$509,739	\$325,268	64%	\$55,780	\$352	\$2,814	\$378,587
2024	\$560,649	\$378,587	68%	\$57,454	\$399	\$16,308	\$420,132
2025	\$600,344	\$420,132	70%	\$59,177	\$450	\$0	\$479,759
2026	\$659,216	\$479,759	73%	\$60,953	\$474	\$72,132	\$469,054
2027	\$646,785	\$469,054	73%	\$62,781	\$501	\$0	\$532,336
2028	\$709,539	\$532,336	75%	\$64,665	\$563	\$3,262	\$594,301
2029	\$772,117	\$594,301	77%	\$66,604	\$622	\$12,606	\$648,922
2030	\$828,287	\$648,922	78%	\$68,603	\$680	\$6,489	\$711,716
2031	\$893,823	\$711,716	80%	\$70,661	\$459	\$577,255	\$205,580
2032	\$374,857	\$205,580	55%	\$72,781	\$242	\$0	\$278,603
2033	\$436,358	\$278,603	64%	\$74,964	\$314	\$3,781	\$350,100
2034	\$497,317	\$350,100	70%	\$77,213	\$381	\$16,172	\$411,522
2035	\$548,895	\$411,522	75%	\$79,529	\$451	\$0	\$491,502
2036	\$620,277	\$491,502	79%	\$81,915	\$409	\$246,548	\$327,279
2037	\$441,504	\$327,279	74%	\$84,373	\$370	\$0	\$412,021
2038	\$513,009	\$412,021	80%	\$86,904	\$446	\$19,113	\$480,258
2039	\$568,720	\$480,258	84%	\$89,511	\$517	\$16,941	\$553,344
2040	\$630,140	\$553,344	88%	\$92,196	\$576	\$46,507	\$599,609
2041	\$664,804	\$599,609	90%	\$94,962	\$647	\$0	\$695,219
2042	\$750,320	\$695,219	93%	\$97,811	\$740	\$9,251	\$784,518
2043	\$830,840	\$784,518	94%	\$100,745	\$833	\$5,082	\$881,014
2044	\$920,096	\$881,014	96%	\$103,768	\$924	\$19,640	\$966,066
2045	\$999,122	\$966,066	97%	\$106,881	\$1,020	\$0	\$1,073,967
2046	\$1,102,898	\$1,073,967	97%	\$110,087	\$934	\$390,891	\$794,096
2047	\$809,382	\$794,096	98%	\$113,390	\$851	\$0	\$908,337
2048	\$911,960	\$908,337	100%	\$116,791	\$959	\$16,938	\$1,009,149



# Reserve Contributions - Graph

## Monthly Reserve Contributions



## Component Funding Information

ID	Component Name	UL	RUL	Quantity	Average Current Cost	Ideal Balance	Current Fund Balance	Monthly
105	Roofs - Replace	25	12	Approx 83,325 Sq.ft.	\$333,300	\$173,316	\$90,860	\$1,657.23
120	Rain Gutters/Downspouts - Replace	30	17	Approx 6,180 Linear ft.	\$37,080	\$16,068	\$0	\$153.64
201	Stucco Surfaces - Repair/Repaint	15	2	Approx 34,025 Sq.ft.	\$38,278	\$33,174	\$33,174	\$317.21
202	Porch Poles - Repaint	5	4	(68) Units	\$2,500	\$500	\$500	\$62.15
219	Faux Shutters - Repaint	6	5	(125) Shutters	\$4,688	\$781	\$781	\$97.11
302	Vinyl Siding - Replace	40	27	Approx 19,500 Sq.ft.	\$107,250	\$34,856	\$0	\$333.29
390	Faux Shutters - Replace	20	19	(125) Shutters	\$7,000	\$350	\$0	\$43.51
401	Asphalt - Major Rehab	25	12	Approx 40,900 Sq.ft.	\$71,575	\$37,219	\$0	\$355.88
402	Asphalt - Seal Coat	5	0	Approx 40,900 Sq.ft.	\$8,180	\$8,180	\$8,180	\$203.36
403	Concrete - Repair/Replace	10	7	Extensive Sq.ft.	\$8,750	\$2,625	\$2,625	\$108.77
801	Community Signs - Replace	20	7	(2) Signs	\$2,000	\$1,300	\$1,300	\$12.43
803	Mailboxes - Replace	20	7	(5) Clusters	\$8,250	\$5,363	\$5,363	\$51.28
1002	Metal Fencing - Replace	40	27	Approx 330 Linear ft.	\$9,075	\$2,949	\$0	\$28.20
1008	Vinyl Fencing & Railing - Replace	30	17	Approx 1,530 Linear ft.	\$59,670	\$25,857	\$0	\$247.24
1207	Basketball Equipment - Replace	12	3	(1) Backboard & Rim	\$1,000	\$750	\$750	\$10.36
1301	Play Structure - Replace	20	7	(1) Structure	\$5,000	\$3,250	\$3,250	\$31.08
1303	Play Area Groundcover - Refill	5	0	Approx 1,000 Sq.ft.	\$1,200	\$1,200	\$1,200	\$29.83
1307	Bench - Replace	15	2	(1) Bench	\$700	\$607	\$607	\$5.80
1602	Exterior Light Fixtures - Replace	20	7	(308) Fixtures	\$34,650	\$22,523	\$22,523	\$215.36
1604	Pole Lights - Replace	16	3	(2) Poles	\$1,400	\$1,138	\$1,138	\$10.88
1812	Landscaping & Irrigation System - Renovate	20	1	Extensive Sq.ft.	\$25,000	\$23,750	\$23,750	\$155.38
					<b>\$766,546</b>	<b>\$395,755</b>	<b>\$196,000</b>	<b>\$4,130</b>

Current Fund Balance as a percentage of Ideal Balance:      50%



## Yearly Cash Flow

Year	2019	2020	2021	2022	2023
<b>Starting Balance</b>	\$196,000	\$236,396	\$261,942	\$273,436	\$325,268
<i>Reserve Income</i>	\$49,560	\$51,047	\$52,578	\$54,156	\$55,780
<i>Interest Earnings</i>	\$216	\$249	\$268	\$299	\$352
<i>Special Assessments</i>	\$0	\$0	\$0	\$0	\$0
<b>Funds Available</b>	\$245,776	\$287,692	\$314,788	\$327,891	\$381,401
<b>Reserve Expenditures</b>	\$9,380	\$25,750	\$41,352	\$2,623	\$2,814
<b>Ending Balance</b>	\$236,396	\$261,942	\$273,436	\$325,268	\$378,587

Year	2024	2025	2026	2027	2028
<b>Starting Balance</b>	\$378,587	\$420,132	\$479,759	\$469,054	\$532,336
<i>Reserve Income</i>	\$57,454	\$59,177	\$60,953	\$62,781	\$64,665
<i>Interest Earnings</i>	\$399	\$450	\$474	\$501	\$563
<i>Special Assessments</i>	\$0	\$0	\$0	\$0	\$0
<b>Funds Available</b>	\$436,440	\$479,759	\$541,186	\$532,336	\$597,563
<b>Reserve Expenditures</b>	\$16,308	\$0	\$72,132	\$0	\$3,262
<b>Ending Balance</b>	\$420,132	\$479,759	\$469,054	\$532,336	\$594,301

Year	2029	2030	2031	2032	2033
<b>Starting Balance</b>	\$594,301	\$648,922	\$711,716	\$205,580	\$278,603
<i>Reserve Income</i>	\$66,604	\$68,603	\$70,661	\$72,781	\$74,964
<i>Interest Earnings</i>	\$622	\$680	\$459	\$242	\$314
<i>Special Assessments</i>	\$0	\$0	\$0	\$0	\$0
<b>Funds Available</b>	\$661,528	\$718,204	\$782,835	\$278,603	\$353,881
<b>Reserve Expenditures</b>	\$12,606	\$6,489	\$577,255	\$0	\$3,781
<b>Ending Balance</b>	\$648,922	\$711,716	\$205,580	\$278,603	\$350,100

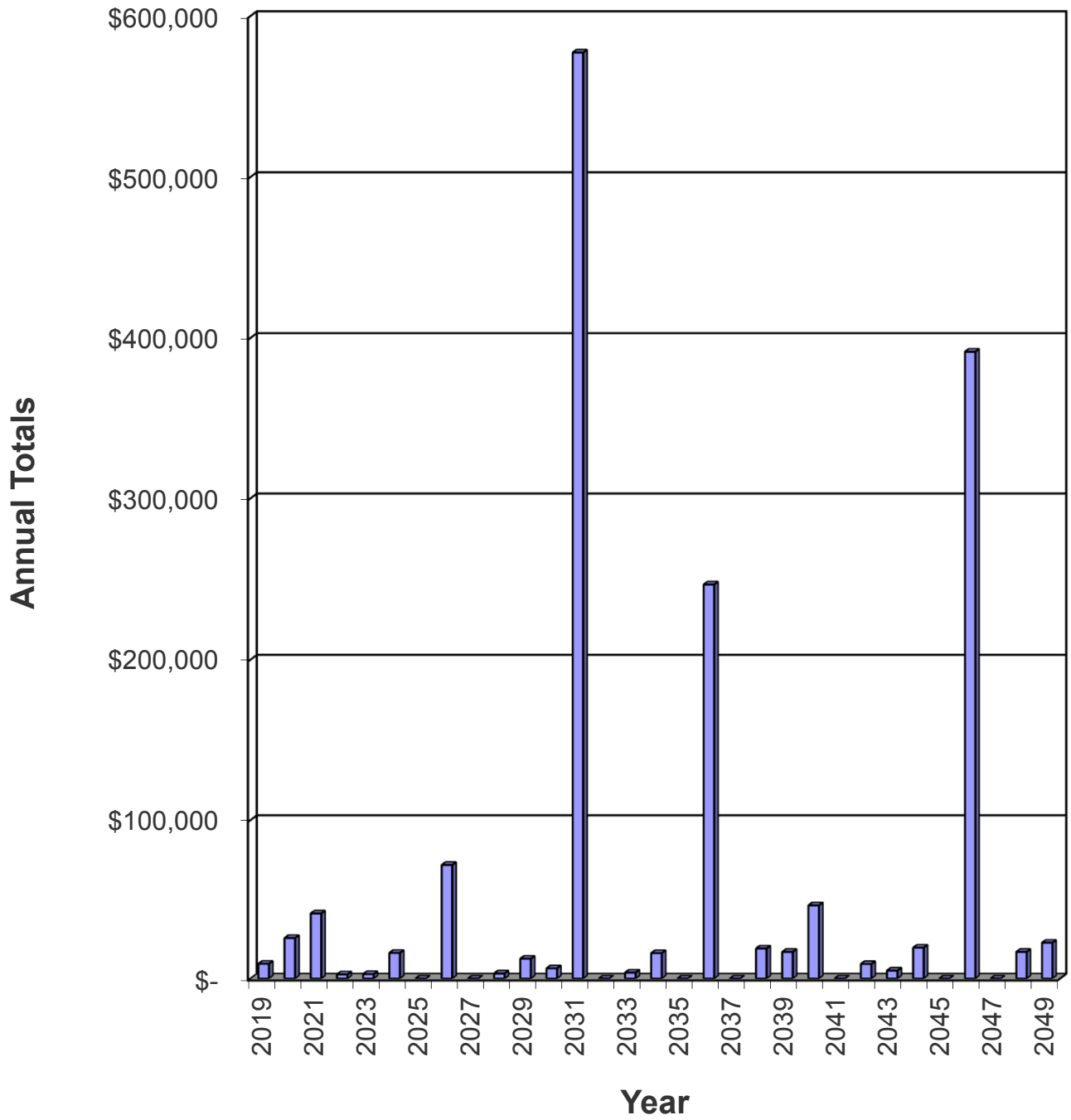
Year	2034	2035	2036	2037	2038
<b>Starting Balance</b>	\$350,100	\$411,522	\$491,502	\$327,279	\$412,021
<i>Reserve Income</i>	\$77,213	\$79,529	\$81,915	\$84,373	\$86,904
<i>Interest Earnings</i>	\$381	\$451	\$409	\$370	\$446
<i>Special Assessments</i>	\$0	\$0	\$0	\$0	\$0
<b>Funds Available</b>	\$427,693	\$491,502	\$573,827	\$412,021	\$499,371
<b>Reserve Expenditures</b>	\$16,172	\$0	\$246,548	\$0	\$19,113
<b>Ending Balance</b>	\$411,522	\$491,502	\$327,279	\$412,021	\$480,258

Year	2039	2040	2041	2042	2043
<b>Starting Balance</b>	\$480,258	\$553,344	\$599,609	\$695,219	\$784,518
<i>Reserve Income</i>	\$89,511	\$92,196	\$94,962	\$97,811	\$100,745
<i>Interest Earnings</i>	\$517	\$576	\$647	\$740	\$833
<i>Special Assessments</i>	\$0	\$0	\$0	\$0	\$0
<b>Funds Available</b>	\$570,285	\$646,117	\$695,219	\$793,770	\$886,096
<b>Reserve Expenditures</b>	\$16,941	\$46,507	\$0	\$9,251	\$5,082
<b>Ending Balance</b>	\$553,344	\$599,609	\$695,219	\$784,518	\$881,014

Year	2044	2045	2046	2047	2048
<b>Starting Balance</b>	\$881,014	\$966,066	\$1,073,967	\$794,096	\$908,337
<i>Reserve Income</i>	\$103,768	\$106,881	\$110,087	\$113,390	\$116,791
<i>Interest Earnings</i>	\$924	\$1,020	\$934	\$851	\$959
<i>Special Assessments</i>	\$0	\$0	\$0	\$0	\$0
<b>Funds Available</b>	\$985,706	\$1,073,967	\$1,184,988	\$908,337	\$1,026,087
<b>Reserve Expenditures</b>	\$19,640	\$0	\$390,891	\$0	\$16,938
<b>Ending Balance</b>	\$966,066	\$1,073,967	\$794,096	\$908,337	\$1,009,149



## Yearly Reserve Expenditures - Graph





## Projected Reserve Expenditures by Year

Year	ID #	Component Name	Projected Cost	Total Per Annum
2019	402	Asphalt - Seal Coat	\$8,180	\$9,380
	1303	Play Area Groundcover - Refill	\$1,200	
2020	1812	Landscaping & Irrigation System - Renovate	\$25,750	\$25,750
2021	201	Stucco Surfaces - Repair/Repaint	\$40,609	\$41,352
	1307	Bench - Replace	\$743	
2022	1207	Basketball Equipment - Replace	\$1,093	\$2,623
	1604	Pole Lights - Replace	\$1,530	
2023	202	Porch Poles - Repaint	\$2,814	\$2,814
2024	219	Faux Shutters - Repaint	\$5,434	\$16,308
	402	Asphalt - Seal Coat	\$9,483	
	1303	Play Area Groundcover - Refill	\$1,391	
2025		No Expenditures Projected		\$0
2026	403	Concrete - Repair/Replace	\$10,761	\$72,132
	801	Community Signs - Replace	\$2,460	
	803	Mailboxes - Replace	\$10,146	
	1301	Play Structure - Replace	\$6,149	
	1602	Exterior Light Fixtures - Replace	\$42,615	
2027		No Expenditures Projected		\$0
2028	202	Porch Poles - Repaint	\$3,262	\$3,262
2029	402	Asphalt - Seal Coat	\$10,993	\$12,606
	1303	Play Area Groundcover - Refill	\$1,613	
2030	219	Faux Shutters - Repaint	\$6,489	\$6,489
2031	105	Roofs - Replace	\$475,206	\$577,255
	401	Asphalt - Major Rehab	\$102,049	
2032		No Expenditures Projected		\$0
2033	202	Porch Poles - Repaint	\$3,781	\$3,781
2034	402	Asphalt - Seal Coat	\$12,744	\$16,172
	1207	Basketball Equipment - Replace	\$1,558	
	1303	Play Area Groundcover - Refill	\$1,870	
2035		No Expenditures Projected		\$0
2036	120	Rain Gutters/Downspouts - Replace	\$61,288	\$246,548
	201	Stucco Surfaces - Repair/Repaint	\$63,268	
	219	Faux Shutters - Repaint	\$7,748	
	403	Concrete - Repair/Replace	\$14,462	
	1008	Vinyl Fencing & Railing - Replace	\$98,625	
	1307	Bench - Replace	\$1,157	
2037		No Expenditures Projected		\$0
2038	202	Porch Poles - Repaint	\$4,384	\$19,113
	390	Faux Shutters - Replace	\$12,275	
	1604	Pole Lights - Replace	\$2,455	
2039	402	Asphalt - Seal Coat	\$14,774	\$16,941
	1303	Play Area Groundcover - Refill	\$2,167	
2040	1812	Landscaping & Irrigation System - Renovate	\$46,507	\$46,507
2041		No Expenditures Projected		\$0

<b>Year</b>	<b>Comp ID</b>	<b>Component Name</b>	<b>Projected Cost</b>	<b>Total Per Annum</b>
	219	Faux Shutters - Repaint	\$9,251	\$9,251
2043	202	Porch Poles - Repaint	\$5,082	\$5,082
2044	402	Asphalt - Seal Coat	\$17,127	
	1303	Play Area Groundcover - Refill	\$2,513	\$19,640
2045		No Expenditures Projected		\$0
2046	302	Vinyl Siding - Replace	\$238,233	
	403	Concrete - Repair/Replace	\$19,436	
	801	Community Signs - Replace	\$4,443	
	803	Mailboxes - Replace	\$18,326	
	1002	Metal Fencing - Replace	\$20,158	
	1207	Basketball Equipment - Replace	\$2,221	
	1301	Play Structure - Replace	\$11,106	
	1602	Exterior Light Fixtures - Replace	\$76,968	\$390,891
2047		No Expenditures Projected		\$0
2048	202	Porch Poles - Repaint	\$5,891	
	219	Faux Shutters - Repaint	\$11,046	\$16,938

# Component Evaluation

Comp #: 105 Roofs - Replace



*Location:* **Building Roofs**

*Quantity:* **Approx 83,325 Sq.ft.**

*Life Expectancy:* **25** *Remaining Life:* **12**

*Best Cost:* **\$291,638**

\$3.50/Sq.ft.; Estimate to replace

*Worst Cost:* **\$374,963**

\$4.50/Sq.ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The roofs are in good condition. We recommend funding to replace this component approximately every 20 - 25 years. Remaining life based on current age.

*General Notes:*

Comp #: 120 Rain Gutters/Downspouts - Replace



*Location:* **Building Roofs**

*Quantity:* **Approx 6,180 Linear ft.**

*Life Expectancy:* **30** *Remaining Life:* **17**

*Best Cost:* **\$33,990**

\$5.50/Linear ft.; Estimate to replace

*Worst Cost:* **\$40,170**

\$6.50/Linear ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The rain gutters and downspouts are in good condition. We recommend funding to replace this component approximately every 25 - 30 years. Remaining life based on current age.

*General Notes:*

Comp #: 201 Stucco Surfaces - Repair/Repaint



*Location:* **Building Exteriors**

*Quantity:* **Approx 34,025 Sq.ft.**

*Life Expectancy:* **15** *Remaining Life:* **2**

*Best Cost:* **\$34,025**

\$1.00/Sq.ft.; Estimate to repair/repaint

*Worst Cost:* **\$42,531**

\$1.25/Sq.ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The stucco surfaces are in good to fair condition. We recommend funding to repair/repaint this component approximately every 12 - 15 years. Remaining life based on current age.

*General Notes:*

Comp #: 202 Porch Poles - Repaint



*Location:* **Building Exteriors**

*Quantity:* **(68) Units**

*Life Expectancy:* **5** *Remaining Life:* **4**

*Best Cost:* **\$2,400**

Estimate to repaint

*Worst Cost:* **\$2,600**

Higher estimate

*Source of Information:* Research with Client

*Observations:*

The painted surfaces are in good condition. We recommend funding to repaint this component approximately every 3 - 5 years. Remaining life based on current age.

*General Notes:*

Comp #: 204 Front Doors - Repaint



*Location:* **Unit Front Doors**

*Quantity:* **(68) Doors**

*Life Expectancy:* **N/A** *Remaining Life:*

*Best Cost:* **\$0**

*Worst Cost:* **\$0**

*Source of Information:*

*Observations:*

Research with the client reveals this component is not a responsibility of the association.

*General Notes:*

Comp #: 219 Faux Shutters - Repaint



*Location:* **Building Exteriors**

*Quantity:* **(125) Shutters**

*Life Expectancy:* **6** *Remaining Life:* **5**

*Best Cost:* **\$3,750**  
\$30/Shutter; Estimate to repaint

*Worst Cost:* **\$5,625**  
\$45/Shutter; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The painted surfaces are in good condition. We recommend funding to repaint this component approximately every 6 years. Remaining life based on current age.

*General Notes:*



Comp #: 302 Vinyl Siding - Replace



*Location:* **Building Exteriors**

*Quantity:* **Approx 19,500 Sq.ft.**

*Life Expectancy:* **40** *Remaining Life:* **27**

*Best Cost:* **\$97,500**  
\$5.00/Sq.ft.; Estimate to replace

*Worst Cost:* **\$117,000**  
\$6.00/Sq.ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The vinyl siding is in good condition. We recommend funding to replace this component approximately every 40 - 50 years. Remaining life based on current age.

*General Notes:*

Comp #: 390 Faux Shutters - Replace



*Location:* **Building Exteriors**

*Quantity:* **(125) Shutters**

*Life Expectancy:* **20** *Remaining Life:* **19**

*Best Cost:* **\$6,900**

Estimate to replace

*Worst Cost:* **\$7,100**

Higher estimate

*Source of Information:* Research with Client

*Observations:*

The shutters are in good condition. We recommend funding to replace this component approximately every 20 - 30 years. Remaining life based on current age.

*General Notes:*

Comp #: 401 Asphalt - Major Rehab



*Location:* **Community Parking Areas & Streets**

*Quantity:* **Approx 40,900 Sq.ft.**

*Life Expectancy:* **25** *Remaining Life:* **12**

*Best Cost:* **\$61,350**

\$1.50/Sq.ft.; Estimate for major rehab

*Worst Cost:* **\$81,800**

\$2.00/Sq.ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The asphalt surfaces are in good to fair condition. We recommend funding for a major rehab of this component approximately every 20 - 25 years. Remaining life based on current age.

*General Notes:*

Comp #: 402 Asphalt - Seal Coat



*Location:* **Community Parking Areas & Streets**

*Quantity:* **Approx 40,900 Sq.ft.**

*Life Expectancy:* **5** *Remaining Life:* **0**

*Best Cost:* **\$7,771**  
\$0.19/Sq.ft.; Estimate for seal coat

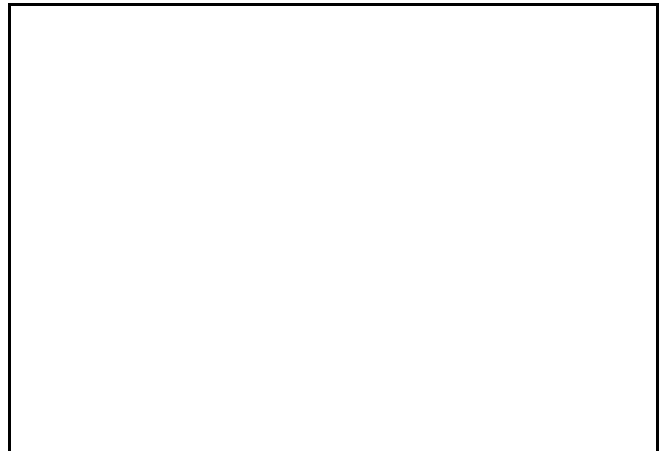
*Worst Cost:* **\$8,589**  
\$0.21/Sq.ft.; Higher estimate

*Source of Information:* CSL Cost Database

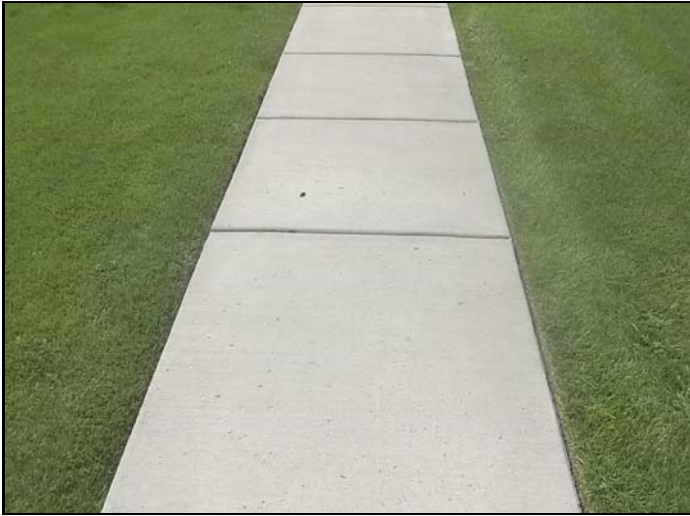
*Observations:*

The asphalt seal coat is in fair to poor condition. We recommend funding to seal this component approximately every 3 - 5 years. Remaining life based on current condition.

*General Notes:*



Comp #: 403 Concrete - Repair/Replace



*Location:* **Community Driveways & Sidewalks**

*Quantity:* **Extensive Sq.ft.**

*Life Expectancy:* **10** *Remaining Life:* **7**

*Best Cost:* **\$7,500**

Allowance to repair/replace

*Worst Cost:* **\$10,000**

Higher allowance

*Source of Information:* CSL Cost Database

*Observations:*

The concrete is in good condition. This component has an extended useful life under normal conditions. We recommend funding to make repairs and partially replace this component approximately every 10 years. Remaining life based on current age.

*General Notes:*

Comp #: 801 Community Signs - Replace



*Location:* **Community Entrance**

*Quantity:* **(2) Signs**

*Life Expectancy:* **20** *Remaining Life:* **7**

*Best Cost:* **\$1,500**  
\$750/Sign; Estimate to replace

*Worst Cost:* **\$2,500**  
\$1,250/Sign; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The community signs are in fair condition. We recommend funding to replace this component approximately every 18 - 20 years. Remaining life is based on current age.

*General Notes:*

Comp #: 803 Mailboxes - Replace



*Location:* **Common Area**

*Quantity:* **(5) Clusters**

*Life Expectancy:* **20** *Remaining Life:* **7**

*Best Cost:* **\$7,750**

\$1,450/Cluster; Estimate to replace

*Worst Cost:* **\$8,750**

\$1,750/Cluster; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The mailboxes are in good condition. We recommend funding to replace this component approximately every 18 - 20 years. Remaining life based on current age.

*General Notes:*

Comp #: 1002 Metal Fencing - Replace



*Location:* **Community South Perimeter**

*Quantity:* **Approx 330 Linear ft.**

*Life Expectancy:* **40** *Remaining Life:* **27**

*Best Cost:* **\$8,250**  
\$25/Linear ft.; Estimate to replace

*Worst Cost:* **\$9,900**  
\$30/Linear ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The metal fencing is in good condition. We recommend funding to replace this component approximately every 40 - 50 years. Remaining life based on current age.

*General Notes:*



Comp #: 1008 Vinyl Fencing & Railing - Replace



*Location:* **Backyard Dividers & East Perimeter**

*Quantity:* **Approx 1,530 Linear ft.**

*Life Expectancy:* **30** *Remaining Life:* **17**

*Best Cost:* **\$55,080**

\$36/Linear ft.; Estimate to replace

*Worst Cost:* **\$64,260**

\$42/Linear ft.; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The vinyl fencing is in good to fair condition. We recommend funding to replace this component approximately every 25 - 30 years. Remaining life based on current age.

*General Notes:*

<b>Quantity description:</b> <b>1,390 Linear ft. - Fencing</b> <b>140 Linear ft. - Railing</b> <b>1,530 Linear ft. - Total</b>
---

Comp #: 1207 Basketball Equipment - Replace



*Location:* **Common Area**

*Quantity:* **(1) Backboard & Rim**

*Life Expectancy:* **12** *Remaining Life:* **3**

*Best Cost:* **\$750**  
\$750/Backboard; Estimate to replace

*Worst Cost:* **\$1,250**  
\$1,250/Backboard; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The basketball equipment is in good to fair condition. We recommend funding to replace this component approximately every 10 - 12 years. Remaining life is based on current condition.

*General Notes:*

Comp #: 1301 Play Structure - Replace



*Location:* **Common Area**

*Quantity:* **(1) Structure**

*Life Expectancy:* **20** *Remaining Life:* **7**

*Best Cost:* **\$4,000**

Estimate to replace

*Worst Cost:* **\$6,000**

Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The play structure is in fair condition. We recommend funding to replace this component approximately every 15 - 20 years. Remaining life based on current age.

*General Notes:*

Comp #: 1303 Play Area Groundcover - Refill



*Location:* **Play Area**

*Quantity:* **Approx 1,000 Sq.ft.**

*Life Expectancy:* **5** *Remaining Life:* **0**

*Best Cost:* **\$1,000**

Estimate to refill

*Worst Cost:* **\$1,400**

Higher estimate for more labor costs

*Source of Information:* CSL Cost Database

*Observations:*

The play area groundcover is in poor condition. We recommend funding to refill this component approximately every 3 - 5 years. Remaining life is based on current condition.

*General Notes:*

Comp #: 1307 Bench - Replace



*Location:* **Play Area**

*Quantity:* **(1) Bench**

*Life Expectancy:* **15** *Remaining Life:* **2**

*Best Cost:* **\$600**

Estimate to replace

*Worst Cost:* **\$800**

Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The bench is in fair condition. We recommend funding to replace this component approximately every 10 - 15 years. Remaining life based on current age.

*General Notes:*

Comp #: 1602 Exterior Light Fixtures - Replace



*Location:* **Building Exteriors**

*Quantity:* **(308) Fixtures**

*Life Expectancy:* **20** *Remaining Life:* **7**

*Best Cost:* **\$30,800**  
\$100/Fixture; Estimate to replace

*Worst Cost:* **\$38,500**  
\$125/Fixture; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The exterior light fixtures are in good to fair condition. We recommend funding to replace this component approximately every 16 - 20 years. Remaining life based on current age.

*General Notes:*

**Quantity description:**

**(2) - Basketball Area**  
**(238) - Front**  
**(68) - Rear**  
**(308) - Total**

Comp #: 1604 Pole Lights - Replace



*Location:* **Common Area**

*Quantity:* **(2) Poles**

*Life Expectancy:* **16** *Remaining Life:* **3**

*Best Cost:* **\$1,200**  
\$600/Pole; Estimate to replace

*Worst Cost:* **\$1,600**  
\$800/Pole; Higher estimate

*Source of Information:* CSL Cost Database

*Observations:*

The pole lights are in fair condition. We recommend funding to replace these pole light fixtures, poles and to refurbish the electrical approximately every 16 years. Remaining life based on current age.

*General Notes:*

Comp #: 1812 Landscaping & Irrigation System - Renovate



*Location:* **Common Area**

*Quantity:* **Extensive Sq.ft.**

*Life Expectancy:* **20** *Remaining Life:* **1**

*Best Cost:* **\$20,000**

Allowance to renovate

*Worst Cost:* **\$30,000**

Higher allowance

*Source of Information:* CSL Cost Database

*Observations:*

Research with the client reveals plans for tree replacement in 2019 and irrigation system major work in 2021. We recommend funding for an allowance to renovate the landscaping and irrigation system approximately every 20 years. Remaining life based on current age.

*General Notes:*



## Glossary of Commonly Used Words And Phrases

(Provided by the National Reserve Study Standards of the Community Associations Institute)

**Cash Flow Method** – A method of developing a reserve funding plan where contributions to the reserve fund are designed to offset the variable annual expenditures from the reserve fund. Different reserve funding plans are tested against the anticipated schedule of reserve expenses until the desired funding goal is achieved.

**Component** – Also referred to as an “Asset.” Individual line items in the Reserve Study developed or updated in the physical analysis. These elements form the building blocks for the Reserve Study. Components typically are: 1) Association responsibility, 2) with limited useful life expectancies, 3) have predictable remaining life expectancies, 4) above a minimum threshold cost, and 5) required by local codes.

**Component Full Funding** – When the actual (or projected) cumulative reserve balance for all components is equal to the fully funded balance.

**Component Inventory** – The task of selecting and quantifying reserve components. This task can be accomplished through on-site visual observations, review of association design and organizational documents, a review of established association precedents, and discussion with appropriate association representatives.

**Deficit** – An actual (or projected reserve balance), which is less than the fully funded balance.

**Effective Age** – The difference between useful life and remaining useful life (UL - RUL).

**Financial Analysis** – The portion of the Reserve Study where current status of the reserves (measured as cash or percent funded) and a recommended reserve contribution rate (reserve funding plan) are derived, and the projected reserve income and expenses over time is presented. The financial analysis is one of the two parts of the Reserve Study.

**Fully Funded Balance** – An indicator against which the actual (or projected) reserve balance can be compared. The reserve balance that is in direct proportion to the fraction of life “used up” of the current repair or replacement cost of a reserve component. This number is calculated for each component, and then summed together for an association total.

$$\text{FFB} = \text{Current Cost} * \text{Effective Age} / \text{Useful Life}$$

**Fund Status** – The status of the reserve fund as compared to an established benchmark, such as percent funded.

**Funding Goals** – Independent of calculation methodology utilized, the following represent the basic categories of funding plan goals:

- *Baseline Funding*: Establishing a reserve-funding goal of keeping the reserve balance above zero.
- *Component Full Funding*: Setting a reserve funding goal of attaining and maintaining cumulative reserves at or near 100% funded.
- *Threshold Funding*: Establishing a reserve funding goal of keeping the reserve balance above a specified dollar or percent funded amount.

**Funding Plan** – An association’s plan to provide income to a reserve fund to offset anticipated expenditures from that fund.



### **Funding Principles –**

- Sufficient funds when required
- Stable contributions through the year
- Evenly distributed contributions over the years
- Fiscally responsible

### **GSF - Gross Square Feet**

**Life and Valuation Estimates** – The task of estimating useful life, remaining useful life, and repair or replacement costs for the reserve components.

### **LF - Linear Feet**

**Percent Funded** – The ratio, at a particular point in time (typically the beginning of the fiscal year), of the actual (or projected) reserve balance to the ideal fund balance, expressed as a percentage.

**Physical Analysis** – The portion of the Reserve Study where the component evaluation, condition assessment, and life and valuation estimate tasks are performed. This represents one of the two parts of the Reserve Study.

**Remaining Useful Life (RUL)** – Also referred to as “remaining life” (RL). The estimated time, in years, that a reserve component can be expected to continue to serve its intended function. Projects anticipated to occur in the current fiscal year have a “0” remaining useful life.

**Replacement Cost** – The cost of replacing, repairing, or restoring a reserve component to its original functional condition. The current replacement cost would be the cost to replace, repair, or restore the component during that particular year.

**Reserve Balance** – Actual or projected funds as of a particular point in time (typically the beginning of the fiscal year) that the association has identified for use to defray the future repair or replacement of those major components that the association is obligated to maintain. Also known as “reserves,” “reserve accounts,” or “cash reserves.” In this report the reserve balance is based upon information provided and is not audited.

**Reserve Study** – A budget-planning tool, which identifies the current status of the reserve fund and a stable and equitable funding plan to offset the anticipated future major common area expenditures. The Reserve Study consists of two parts: The Physical Analysis and the Financial Analysis.

**Special Assessment** – An assessment levied on the members of an association in addition to regular assessments. Governing documents or local statutes often regulate special assessments.

**Surplus** – An actual (or projected) reserve balance that is greater than the fully funded balance.

**Useful Life (UL)** – Also known as “life expectancy.” The estimated time, in years, that a reserve component can be expected to serve its intended function if properly constructed and maintained in its present application of installation.

