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## **“Full” Reserve Study**



### **The Springs at Santa Rita HOA Green Valley, Arizona**

**Report #: 12303-0**  
**For Period Beginning: January 1, 2005**  
**Ending: December 31, 2005**

**Date Prepared: November 15, 2004**

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## Hello, and welcome to your Reserve Study!

It's all very simple, really. A Reserve Study is the *art and science* of anticipating, and preparing for, major common area repair and replacement costs. With our experience in this industry, we have gathered the information necessary to make an evaluation of the current status of your Reserve Components, an evaluation of the current status of your Reserve Fund, and a recommended Reserve Funding Plan.

This Report is a valuable budget planning tool, for with it you control the future of your association. It contains all the fundamental information needed to understand your current and future Reserve obligations, the most significant expenditures your association will face.

While this Report has been prepared to answer all of your questions, please don't hesitate to call us if unanswered questions remain. Our toll-free number is (800) 393-7903, and answers to most frequently asked questions are on our web site ([www.ReserveStudy.com](http://www.ReserveStudy.com)). A *Quick Reference Guide* is provided on the following page, to map out your Reserve Study and provide directions to the most valuable areas. From the entire staff of Association Reserves, thank you for selecting us as your Reserve-planning partner!



## Quick Reference Guide



### **What do I distribute to the homeowners?**

A good choice is to distribute copies of the “Executive Summary” immediately following the Table of Contents (a summary page and the Reserve Component Listing).

### **Where do I find...**

#### ***...a listing of our Reserve Components?***

Table 2 shows the name, Useful Life, Remaining Useful Life, and current Replacement Cost.

#### ***...our Percent Funded rating and recommended Reserve Contribution Rate?***

With our major financial summary information, in the Executive Summary (Page i)

#### ***...a description of our objectives and methodology?***

Beginning on Page 1 we introduce the Reserve Study, our objectives, and methodology.

#### ***...more detailed information on our site inspection?***

General site inspection notes can be found on Page 5. Photographs and specific information on each component can be found in the Photographic Inventory Appendix.

### **More questions?**

Visit our web site at [www.ReserveStudy.com](http://www.ReserveStudy.com)



or call us at (800) 393-7903.

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# Executive Summary

**Association:** The Springs at Santa Rita HOA      **Assoc. #:** 12303-0  
**Location:** Green Valley, Arizona  
**# of Units:** 440  
**Report Period:** January 1, 2005 through December 31, 2005

**Results**

Projected Starting Reserve Balance: .....	\$110,000
Fully Funded Reserve Balance: .....	\$229,391
Percent Funded: .....	48.0%
Recommended 2005 Annual Reserve Contribution: .....	\$40,000
Recommended Special Assessment:.....	\$0

**Most Recent Reserve Contribution Rate:.....\$14,300**

***Economic Assumptions:***

**Net Annual “After Tax” Interest Earnings Accruing to Reserves..... 2.00%**  
**Annual Inflation Rate ..... 3.00%**

- The information in this Reserve Study is based on our site inspection on August 13, 2004.
- Because your Reserve Fund is 48.0% Funded, this represents a fair financial position. However, a large funding increase is necessary to adequately prepare for long-term expenditures. In perspective, above 30% but below 70% Funded defines the fair funding range.
- Based on this starting point and your anticipated future expenses, our recommendation is to increase your Reserve contributions to \$40,000 for 2005.
- This contribution rate is programmed in the analysis to increase 5% annually to further strengthen Reserves and to help offset inflationary effects on future expenditures.
- Your multi-year Funding Plan is designed to gradually bring you to the 100% level, or “Fully Funded”.
- Reserve projects anticipated during 2005 include: replace the fountain pump; repaint the metal fences, gatehouse trim and wood; replenishing the granite at parks 13 & 21.

Table 1: Executive Summary

12303-0

# Component	Useful Life (yrs)	Rem. Useful Life (yrs)	Current Average Cost	Future Average Cost
<b>COMMON AREA</b>				
201 Asphalt - Resurface (Phase 1)	30	21	\$235,000	\$437,169
201 Asphalt - Resurface (Phase 2)	30	25	\$88,600	\$185,509
205 Asphalt - Seal/Repair	4	3	\$24,450	\$26,717
503 Metal Fences - Replace	24	15	\$2,505	\$3,903
601 Fountain Pump - Replace	8	0	\$1,200	\$1,520
703 Entry System - Replace	12	4	\$3,900	\$4,389
705 Gate Operators - Replace	12	3	\$6,600	\$7,212
912 Gatehouse Computer - Replace	4	3	\$1,500	\$1,639
913 Gatehouse Copier - Replace	10	5	\$650	\$754
920 Gatehouse HVAC - Replace	15	10	\$2,100	\$2,822
1107 Metal Fences - Repaint	4	0	\$945	\$1,064
1113 Stucco Walls - Repaint	6	3	\$4,125	\$4,507
1115 Gatehouse Stucco - Repaint	6	3	\$5,700	\$6,229
1116 Gatehouse Trim - Repaint	3	0	\$1,280	\$1,399
1117 Gatehouse Wood - Repaint	12	0	\$2,270	\$3,236
1120 Maintenance Building - Repaint	6	6	\$595	\$710
1301 Flat Roof - Replace	18	9	\$885	\$1,155
1304 Tile Roof - Repair	30	21	\$7,480	\$13,915
<b>PARKS &amp; LANDSCAPE</b>				
410 Fitness Trail - Replace (The Park)	30	21	\$9,140	\$17,003
411 Fitness Trail - Replace (Park #21)	30	21	\$9,140	\$17,003
412 Wood Timbers - Replace	15	6	\$610	\$728
420 Park Furniture - Replace	30	21	\$7,750	\$14,417
1004 Granite (Park #4) - Replenish	10	4	\$4,500	\$5,065
1006 Granite (Park #6) - Replenish	10	8	\$11,070	\$14,023
1007 Granite (Park #7) - Replenish	10	4	\$12,150	\$13,675
1008 Granite (Park #8) - Replenish	10	6	\$15,225	\$18,179
1009 Granite (Park #9) - Replenish	10	5	\$23,175	\$26,866
1010 Granite (Park #10) - Replenish	10	2	\$36,900	\$39,147
1011 Granite (Park #11) - Replenish	10	4	\$36,900	\$41,531
1013 Granite (Park #13) - Replenish	10	0	\$5,625	\$7,560
1014 Granite (Park #14) - Replenish	10	9	\$3,015	\$3,934
1020 Granite (Park #20) - Replenish	10	1	\$10,350	\$10,661
1021 Granite (Park #21) - Replenish	10	0	\$8,370	\$11,249
1040 Wash - Clean Out	2	1	\$3,000	\$3,090
<b>34 Total Funded Components</b>				

## Introduction

It is all very simple, really. A Reserve Study is the art and science of anticipating and preparing for major common area repair and replacement expenses. Partially art, because in this field we are making projections about the future. Partially science, because our work is a process of research and analysis along well defined methodologies.

A Reserve Study consists of two parts: the Physical Analysis and the Financial Analysis. The Physical Analysis contains the information about the current condition and repair or replacement cost of the major common area components the association is obligated to maintain. The Financial Analysis contains an evaluation of the association's Reserve balance (measured by Percent Funded) and a recommended Funding Plan to offset the anticipated Reserve expenses.

### Reserve Study

- Physical Analysis
- Financial Analysis

The primary responsibility of the Board of Directors is to maintain, protect, and enhance the assets of the association. As the physical assets age and deteriorate, it is important to accumulate financial assets, keeping the two “in balance”. The Reserve Study is the document that helps keep the physical and financial assets of the association in balance. This Reserve Study is a budget-planning document. The primary information you will get from this document is a list of your major Reserve components, a finding of the current status (strength) of your Reserve Fund, and a recommended Funding Plan. The basic objective of the Reserve Study is to provide a plan to collect funds at a stable rate to offset the predicted irregular Reserve expenses. Setting a stable Reserve contribution rate will ensure that each owner pays their own “fair share” of the ongoing, gradual deterioration of the common areas.

## Methodology

By necessity, the Physical Analysis occurs before the Financial Analysis (first we establish what the projected expenses are, then we determine the association’s financial status and create a Funding Plan). For this “Full” Reserve Study, the Physical Analysis starts with a review of your Governing Documents, recent Reserve expenditures, an evaluation of how expenditures are handled (ongoing maintenance vs. Reserves), and research into any well-established association precedents. We performed an on-site inspection to inventory (quantify and evaluate) your common areas, creating your Reserve Component List “from scratch”. Your Reserve Component List (Table 1 or Table 2) contains a description and

### Reserve Study Types

- • Full
- Update With-Site-Visit
- Update No-Site-Visit
- Do-It-Yourself Kit

quantification of individual line items, and estimates for the Useful Life, Remaining Useful Life, and current Replacement Cost of each component. The average of the Best and Worst Case cost estimates are used for all calculations throughout the Financial Analysis. With this information and an assumed inflation rate (as shown on the Executive Summary), we are able to project the array of future major expenses facing the association.

#### *Which Physical Assets are Covered by Reserves?*

Reserve expenses are the larger, infrequent expenses that require significant advance planning. Operating expenses, on the other hand, are those ongoing daily, weekly, or monthly expenses that occur and recur throughout the year. Small surprises are typically handled as maintenance contingencies, while the larger ones may be covered by insurance or require special assessments.

There is a national-standard four-part test to determine which expense items should be funded through Reserves. First, it must be a common area maintenance responsibility. Second, the component must have a limited life. Third, the limited life must be predictable (or it by definition is a “surprise” which cannot be accurately anticipated). Fourth, the component must be above a minimum threshold cost. This limits Reserve Components to major, predictable expenses. We do not typically Reserve for building foundations and major infrastructure elements since they do not have limited life expectancies. Light bulbs or other small items are not listed as Reserve Components since their individual costs are insignificant. Finally, it is usually inappropriate to include unpredictable expenses such as damage due to fire, flood, or earthquake since these typically cannot be considered “reasonably predictable”.

#### **Reserve Components**

- **Common Area**
- **Limited Useful Life**
- **Predictable Life Limit**
- **Cost must be Significant**

#### *How are Useful Life and Remaining Useful Life established?*

Useful Life is typically established by our experience with the component, adjusted by assumptions for quality, rate of wear and tear, expected normal maintenance, and weather exposure. Remaining Useful Life is established primarily by the component's current observed condition. The observed age of the component may or may not equal the “Chronological Age” of the component due to accelerated wear or low usage. For components requiring a particular expertise or components where age characteristics are not visible (elevators, chillers, security electronics, etc.), it is typical that we interview the association's service vendor to obtain a recommendation for Useful Life and Remaining Useful Life.



*How are Cost Estimates Established?*

The best way to obtain an accurate cost for a component is for it to be repaired or replaced, providing us with a valuable benchmark from which to make current cost estimates. In absence of “actual” costs, we regularly make comparisons to projects that were done recently at similar associations. In addition, we often contact local vendors who provide us with insights into current pricing trends. For components that require a particular expertise (major roof or roadway systems, elevators, etc.), it is our normal practice to interview your vendor who maintains that asset. In the absence of these estimating tools, we look to reliable industry cost guidebooks. A “Best Case” and “Worst Case” cost estimate is made for each component in an attempt to bracket the actual cost.

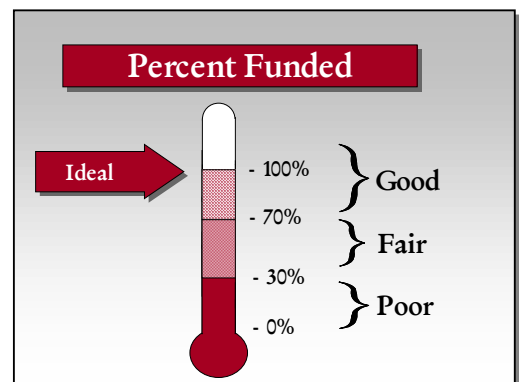
**Cost Estimating Tools**

- Association History
- Similar Properties
- Vendor Interviews
- Printed cost guides

*How much Reserves are enough?*

Your Reserve cash Balance can measure reserves, but the true measure is whether the funds are adequate for the needs of the association. Reserve Fund size is therefore measured by Percent Funded, which is the actual (or projected) Reserve Balance divided by the association’s calculated Fully Funded Balance (FFB), expressed as a percentage. Table 3 shows that the Fully Funded Balance is the current “value” of the deteriorated portion (not the total replacement value) of all the Reserve Components. To show how this works with one component, in the case of a \$10,000 component with a 10 year Useful Life, in the third year the Fully Funded Balance is three tenths of \$10,000, or \$3,000. The FFB grows as assets age, but shrinks as components are replaced. Deteriorated associations have a higher FFB than association with assets in good condition. The Fully Funded Balance changes each year, and is a predictable, but moving target.

Special assessments and deferred maintenance are common when the Percent Funded is weak (below 30%). While the 100% point is Ideal, a Reserve Fund above the 70% level should be considered “strong” because cash flow problems are rare. Measuring your Reserves by Percent Funded tells how well prepared your association is for upcoming Reserve expenses. An association with a strong Reserve Fund should experience smooth sailing financially, while an association with a weak Reserve Fund should expect cash flow problems. New buyers should be very aware of this important disclosure!



*How much should we contribute?*

There are four Funding Principles that we balance in developing your Reserve Funding Plan. First and foremost, our objective is to design a plan that provides you with sufficient cash to perform your Reserve projects on time. A stable contribution rate is desirable because it indicates the association is being run on a stable financial platform, not being driven by the winds of change from year to year. For fairness, it is important to evenly distribute the contributions over the years so each owner pays their fair share of the deterioration in direct proportion to the amount of time they are owners. And finally, any Funding Plan must be based on fiscally responsible principles. Your Funding Plan was created by a process where different solutions were tested until one was found that most successfully met all four of these principles and achieved your Funding Goal.

**Funding Principles**


- Sufficient Cash
- Stable Contribution Rate
- Evenly Distributed
- Fiscally Responsible

*What is our Funding Goal?*

There are different Funding Goals to strive for, ranging from conservative to risky. Establishing a goal of simply having sufficient cash for all future years is called “Baseline Funding”. The drawback is that there is little or no “margin for error”, and expenses that are higher than budgeted or projects that occur earlier than planned will often cause special assessments.

“Full Funding” is when the association has the goal of becoming Fully Funded (Reserve Cash equals the FFB). Such an objective means the association is following the simple and responsible principle that you “replace what you use up”. Believing this to be the responsible choice, our Funding Plan will direct you to Full Funding. Members of Fully Funded associations enjoy low exposure to the risk of special assessments or deferred maintenance. Strong interest earnings will minimize their Reserve contributions. Board members enjoy peace of mind that the association’s physical and financial assets are in balance, and therefore a degree of insulation from claims of fiscal irresponsibility.

**Funding Goals**



- Full Funding
- Threshold Funding
- Baseline Funding

Threshold Funding option is different in that the association selects a target other than 0% or 100%. This objective may be between 0% and 100% Funded, higher than 100% Funded, or a particular Reserve cash balance. Associations choosing Threshold Funding select this option to customize their risk exposure.

## Site Inspection

During our site visit on August 13, 2004, we started by meeting with Board Members Tom Honmyhr, Paul Walter, Ernie Cox, and Lee Huey to review areas of association responsibility and any historical expenditures that have been incurred in maintaining these areas.

After the initial meeting, we drove through the community and stopped at various areas to visually inspect projects that had been recently completed or still need attention. A particular concern is the irrigation line that runs from the southern perimeter up along Frontage Road. It is believed that this line was not properly installed or buried deep enough. Animals constantly chew holes into the line necessitating ongoing repairs. Replacement of irrigation lines is typically not expected. This is a problem the association needs to address or continuously monitor and repair when needed. Unfortunately, the Board could not find anybody willing to bid on a project of this nature, so replacement may not be possible. At this point, the Board has decided to repair and replace sections of this line as an ongoing, maintenance project, so no Reserve funding has been allocated. Asphalt is the largest community asset to maintain. Phase 1 streets and The Park trail were reportedly installed around 1996 while Phase 2 was installed around 2000. All of the asphalt was recently seal coated during 2004 for approximately \$24,000. A relatively long life span was assigned to the asphalt to allow more time for Reserves to grow to an adequate level before addressing this project.

Several of the parks and desert areas in the community are covered with granite. The granite thins over time and needs to be replenished. This has already been done in a few areas. This is expensive work that has been phased over a number of years based factors such as age and condition. Funding to convert grass parks to granite has not been included in this report because a project of that nature is a capital improvement not a Reserve issue.

### Projected Expenses

The figure below shows the array of the projected future expenses at your association. As with all computations in this Report, the estimates in this figure are based on the average of Best and Worst Case expense projections. As you can see, expenses are projected 30 years into the future, using the Inflation rate shown in the Executive Summary. This figure clearly shows the near term and future expenses your association will face. Note the large expenditure slated for 2026 primarily represents resurfacing the streets in Phase 1.

### Annual Reserve Expenses

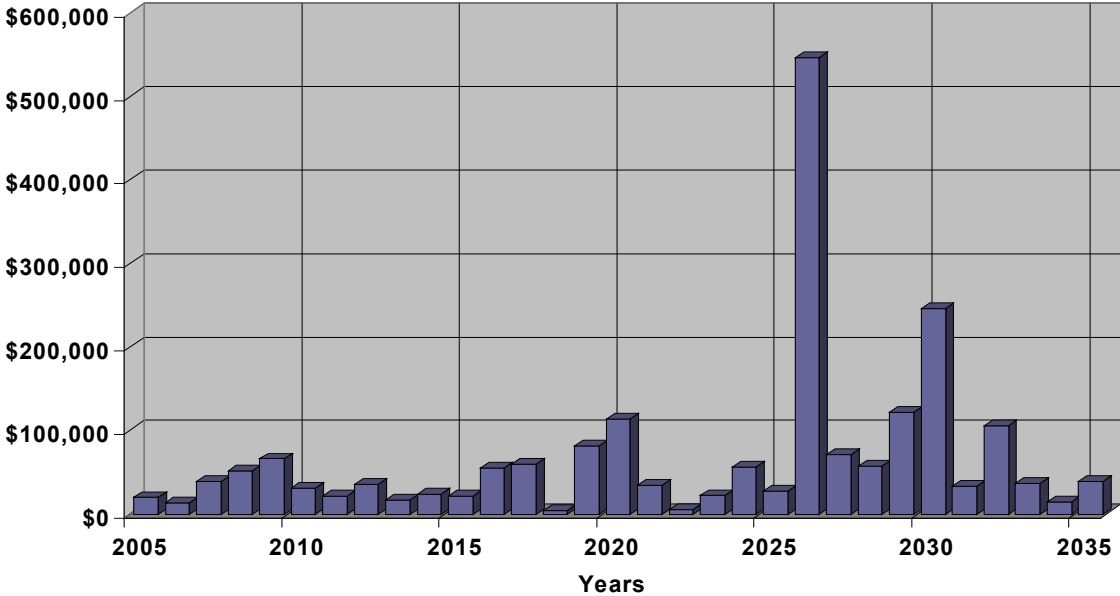


Figure 1

A summary of this information is shown in Table 4, while details of the projects that make up this information are shown in Table 5. Since this is a projection about future events that may or may not take place as anticipated, we feel more certain about “near-term” projects than those many years away. While this Reserve Study is a one-year document, it is based on 30 years worth of looking forward into the future.

### Reserve Fund Status

The starting point for our financial analysis is your Reserve Fund balance, projected to be \$110,000 as-of the start of your Fiscal Year on January 1, 2005. This figure was provided to Association Reserves - AZ, LLC. As of January 1, 2005, your Fully Funded Balance is computed to be \$229,391 (see Table 3). This figure represents the deteriorated value of your common area components. Comparing your Reserve Balance to your Fully Funded Balance indicates your Reserves are 48% Funded. As indicated earlier in the Executive Summary, this represents a fair financial status.

### Recommended Funding Plan

Based on your current Percent Funded and projected cash flow requirements, we recommend increasing/decreasing Reserve contributions to \$40,000 for the 2005 Fiscal Year. This represents the first year of a 30-year Funding Plan. To most fairly spread out the contribution burden over current and future owners in our inflationary economic environment, nominal annual increases of 5% should be expected in future years. This Reserve contribution rate was established by testing different funding options while balancing the four Funding Principles in an attempt to eventually achieve Full Funding. Generally, the tools we utilize are regular ongoing contributions (for stability and fairness), and special assessments (used only as a last resort). Our recommended multi-year Funding Plan is shown below. This same information is shown numerically in both Table 4 and Table 5.

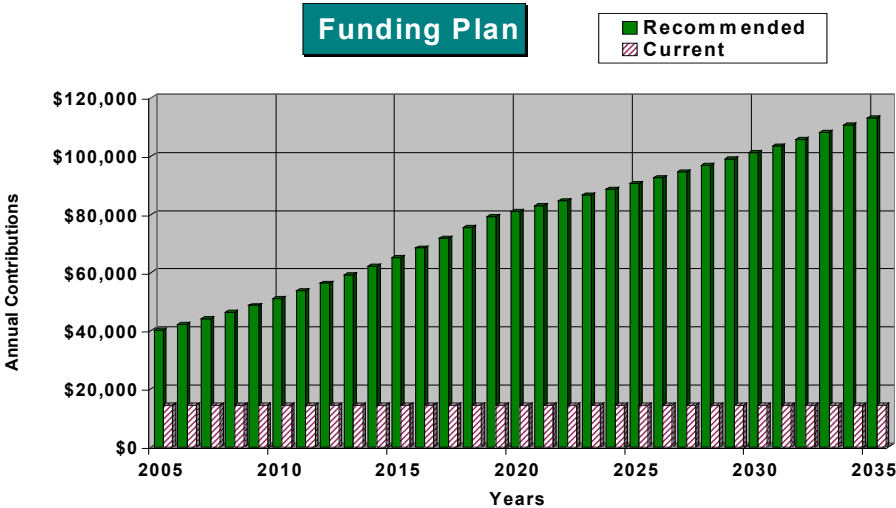


Figure 2

Your projected Reserve Balance as a result of following this Recommended multi-year Funding Plan and your Current Funding Plan is shown below, compared to your Fully Funded Balance target. This assumes the future expenses we have projected in this Reserve Study. While your Reserve Balance might seem high in future years,

remember that these figures are “inflated” future dollars. In addition, this Reserve Balance is necessary to prepare for expenses in following years and provide necessary “margin” for projects that will probably not occur exactly as planned.

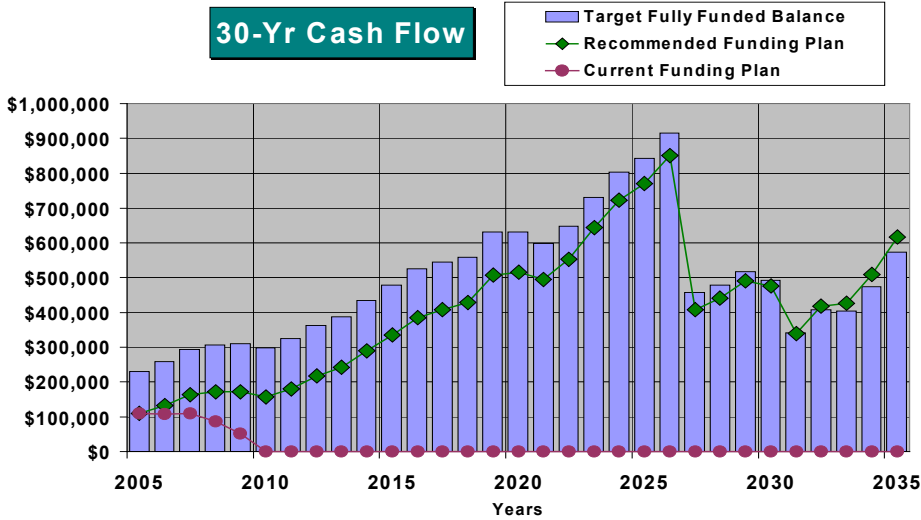


Figure 3

A simple comparison (a percentage comparison) of your Actual Reserve Balance to the moving Fully Funded Balance target is shown below. In this figure it is easy to see how your Reserve Fund gradually draws closer to the Fully Funded (100%) level.

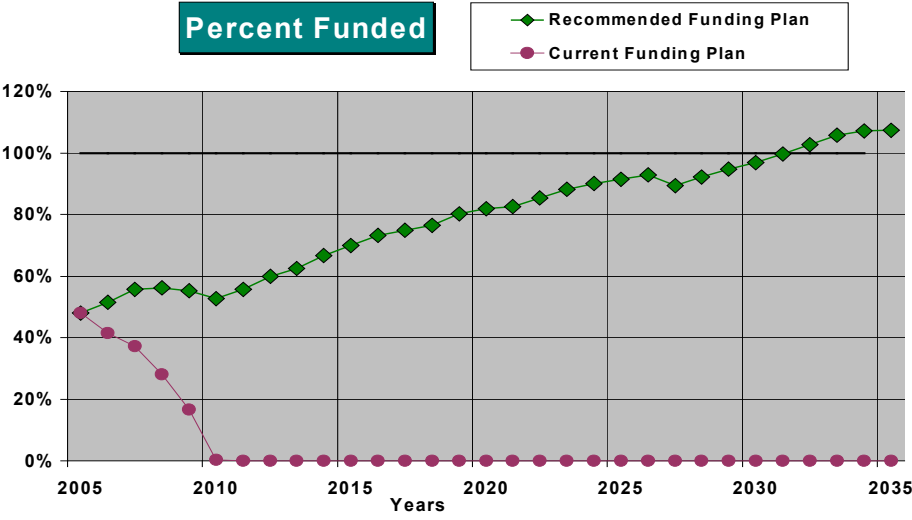


Figure 4

## Table Descriptions

The tabular information in this Report is broken down into five tables.

Table 1 summarizes your funded Reserve Components, and is part of the Executive Report summary that appeared earlier in this Report.

Table 2 provides the main component description, life, and cost factors for all components determined to be appropriate for Reserve designation. This table represents the core information from which all other tables are derived.

Table 3 is presented primarily as an accounting summary page. The results of the individual line item Fully Funded Balance computations are shown. These individual quantities are summed to arrive at the Fully Funded Balance for the association as of the start date of the Report. The figures in the Current Fund Balance column and the Monthly Reserve Contribution column show our distribution throughout the line items. If the association is underfunded, Reserve Funds are distributed first to components with a short Remaining Useful Life. If the association's Reserve Balance is above 100% Funded, funds are distributed evenly for all components. Contribution rates for each component are a proportionate distribution of the total contribution on the basis of the component's significance to the association (current cost divided by useful life). This presentation is not meant to cause clients to redistribute association funds, it simply presents one way to evenly distribute the total among all the different line items.

Table 4: This table provides a one-page 30-year summary of the cash flowing into and out of the association, compared to the Fully Funded Balance for each year.

Table 5: This table shows the cash flow detail for the next 30 years. This table makes it possible to see what components are projected to require repair or replacement each year, and the size of those individual expenses.

**Table 2: Reserve Component List Detail**

**12303-0**

# Component	Quantity	Useful Life	Rem. Useful Life	Best Cost	Current Worst Cost
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	Approx 419,620 Sq Ft	30	21	\$209,800	\$260,200
201 Asphalt - Resurface (Phase 2)	Approx 131,240 Sq Ft	30	25	\$78,750	\$98,450
205 Asphalt - Seal/Repair	Approx 589,180 Sq Ft	4	3	\$21,800	\$27,100
503 Metal Fences - Replace	Approx 96 LF	24	15	\$2,310	\$2,700
601 Fountain Pump - Replace	(1) 5-HP Pump	8	0	\$1,000	\$1,400
703 Entry System - Replace	(1) Sentex System	12	4	\$3,500	\$4,300
705 Gate Operators - Replace	(2) Elite, swing-arm	12	3	\$6,000	\$7,200
912 Gatehouse Computer - Replace	(1) Dell Computer	4	3	\$1,400	\$1,600
913 Gatehouse Copier - Replace	(1) Canon PC920	10	5	\$550	\$750
920 Gatehouse HVAC - Replace	(1) Samsung A/C	15	10	\$1,800	\$2,400
1107 Metal Fences - Repaint	Approx 172 LF	4	0	\$860	\$1,030
1113 Stucco Walls - Repaint	Approx 13,300 Sq Ft	6	3	\$3,730	\$4,520
1115 Gatehouse Stucco - Repaint	Approx 9,910 Sq Ft	6	3	\$4,960	\$6,440
1116 Gatehouse Trim - Repaint	Approx 1,060 Sq Ft	3	0	\$1,060	\$1,500
1117 Gatehouse Wood - Repaint	Approx 5,040 Sq Ft	12	0	\$2,020	\$2,520
1120 Maintenance Building - Repaint	Approx 910 Sq Ft	6	6	\$550	\$640
1301 Flat Roof - Replace	Approx 275 Sq Ft	18	9	\$770	\$1,000
1304 Tile Roof - Repair	Approx 2,720 Sq Ft	30	21	\$6,800	\$8,160
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	(11) Stations	30	21	\$8,280	\$10,000
411 Fitness Trail - Replace (Park #21)	(12) Stations	30	21	\$8,280	\$10,000
412 Wood Timbers - Replace	Numerous LF	15	6	\$520	\$700
420 Park Furniture - Replace	(12) Assorted Pieces	30	21	\$7,000	\$8,500
1004 Granite (Park #4) - Replenish	Approx 100 Tons	10	4	\$4,000	\$5,000
1006 Granite (Park #6) - Replenish	Approx 246 Tons	10	8	\$9,840	\$12,300
1007 Granite (Park #7) - Replenish	Approx 270 Tons	10	4	\$10,800	\$13,500
1008 Granite (Park #8) - Replenish	Approx 338 Tons	10	6	\$13,550	\$16,900
1009 Granite (Park #9) - Replenish	Approx 515 Tons	10	5	\$20,600	\$25,750
1010 Granite (Park #10) - Replenish	Approx 820 Tons	10	2	\$32,800	\$41,000
1011 Granite (Park #11) - Replenish	Approx 820 Tons	10	4	\$32,800	\$41,000
1013 Granite (Park #13) - Replenish	Approx 125 Tons	10	0	\$5,000	\$6,250
1014 Granite (Park #14) - Replenish	Approx 67 Tons	10	9	\$2,680	\$3,350
1020 Granite (Park #20) - Replenish	Approx 230 Tons	10	1	\$9,200	\$11,500
1021 Granite (Park #21) - Replenish	Approx 186 Tons	10	0	\$7,440	\$9,300
1040 Wash - Clean Out	Numerous Sq Ft	2	1	\$2,800	\$3,200
34 Total Funded Components					



**Table 3: Contribution and Fund Breakdown****12303-0**

# Component	Useful Life	Rem. Useful Life	Current (Avg) Cost	Fully Funded Balance	Current Fund Balance	Reserve Contributions
<b>COMMON AREA</b>						
201 Asphalt - Resurface (Phase 1)	30	21	\$235,000	\$70,500	\$70,500.00	\$7,730.33
201 Asphalt - Resurface (Phase 2)	30	25	\$88,600	\$14,767	\$14,766.67	\$2,914.50
205 Asphalt - Seal/Repair	4	3	\$24,450	\$6,113	\$6,112.50	\$6,032.13
503 Metal Fences - Replace	24	15	\$2,505	\$939	\$939.38	\$103.00
601 Fountain Pump - Replace	8	0	\$1,200	\$1,200	\$1,200.00	\$148.03
703 Entry System - Replace	12	4	\$3,900	\$2,600	\$2,600.00	\$320.73
705 Gate Operators - Replace	12	3	\$6,600	\$4,950	\$4,950.00	\$542.77
912 Gatehouse Computer - Replace	4	3	\$1,500	\$375	\$375.00	\$370.07
913 Gatehouse Copier - Replace	10	5	\$650	\$325	\$325.00	\$64.15
920 Gatehouse HVAC - Replace	15	10	\$2,100	\$700	\$700.00	\$138.16
1107 Metal Fences - Repaint	4	0	\$945	\$945	\$945.00	\$233.14
1113 Stucco Walls - Repaint	6	3	\$4,125	\$2,063	\$2,062.50	\$678.46
1115 Gatehouse Stucco - Repaint	6	3	\$5,700	\$2,850	\$2,850.00	\$937.51
1116 Gatehouse Trim - Repaint	3	0	\$1,280	\$1,280	\$1,280.00	\$421.06
1117 Gatehouse Wood - Repaint	12	0	\$2,270	\$2,270	\$393.96	\$186.68
1120 Maintenance Building - Repaint	6	6	\$595	\$0	\$0.00	\$0.00
1301 Flat Roof - Replace	18	9	\$885	\$443	\$0.00	\$48.52
1304 Tile Roof - Repair	30	21	\$7,480	\$2,244	\$0.00	\$246.05
<b>PARKS &amp; LANDSCAPE</b>						
410 Fitness Trail - Replace (The Park)	30	21	\$9,140	\$2,742	\$0.00	\$300.66
411 Fitness Trail - Replace (Park #21)	30	21	\$9,140	\$2,742	\$0.00	\$300.66
412 Wood Timbers - Replace	15	6	\$610	\$366	\$0.00	\$40.13
420 Park Furniture - Replace	30	21	\$7,750	\$2,325	\$0.00	\$254.94
1004 Granite (Park #4) - Replenish	10	4	\$4,500	\$2,700	\$0.00	\$444.08
1006 Granite (Park #6) - Replenish	10	8	\$11,070	\$2,214	\$0.00	\$1,092.44
1007 Granite (Park #7) - Replenish	10	4	\$12,150	\$7,290	\$0.00	\$1,199.02
1008 Granite (Park #8) - Replenish	10	6	\$15,225	\$6,090	\$0.00	\$1,502.48
1009 Granite (Park #9) - Replenish	10	5	\$23,175	\$11,588	\$0.00	\$2,287.03
1010 Granite (Park #10) - Replenish	10	2	\$36,900	\$29,520	\$0.00	\$3,641.48
1011 Granite (Park #11) - Replenish	10	4	\$36,900	\$22,140	\$0.00	\$3,641.48
1013 Granite (Park #13) - Replenish	10	0	\$5,625	\$5,625	\$0.00	\$555.10
1014 Granite (Park #14) - Replenish	10	9	\$3,015	\$302	\$0.00	\$297.54
1020 Granite (Park #20) - Replenish	10	1	\$10,350	\$9,315	\$0.00	\$1,021.39
1021 Granite (Park #21) - Replenish	10	0	\$8,370	\$8,370	\$0.00	\$825.99
1040 Wash - Clean Out	2	1	\$3,000	\$1,500	\$0.00	\$1,480.28
34 Total Funded Components				\$229,391	\$110,000	\$40,000

**Table 4: 30-Year Reserve Plan Summary****12303-0**

Year	Starting Reserve Balance	Fully Funded Balance	Percent Funded	Annual Reserve Contribs.	Special Assessments	Interest Income	Reserve Expenses
2005	\$110,000	\$229,391	48.0%	\$40,000	\$0	\$2,425	\$19,690
2006	\$132,735	\$257,843	51.5%	\$42,000	\$0	\$2,964	\$13,751
2007	\$163,949	\$294,522	55.7%	\$44,100	\$0	\$3,359	\$39,147
2008	\$172,261	\$307,435	56.0%	\$46,305	\$0	\$3,430	\$50,981
2009	\$171,015	\$309,880	55.2%	\$48,620	\$0	\$3,279	\$65,724
2010	\$157,190	\$298,584	52.6%	\$51,051	\$0	\$3,374	\$31,098
2011	\$180,518	\$324,028	55.7%	\$53,604	\$0	\$3,971	\$21,147
2012	\$216,946	\$361,940	59.9%	\$56,284	\$0	\$4,588	\$35,605
2013	\$242,213	\$387,597	62.5%	\$59,098	\$0	\$5,316	\$16,740
2014	\$289,887	\$434,998	66.6%	\$62,053	\$0	\$6,240	\$23,492
2015	\$334,688	\$478,457	70.0%	\$65,156	\$0	\$7,195	\$21,630
2016	\$385,408	\$526,776	73.2%	\$68,414	\$0	\$7,921	\$54,400
2017	\$407,342	\$544,478	74.8%	\$71,834	\$0	\$8,343	\$59,868
2018	\$427,652	\$558,818	76.5%	\$75,426	\$0	\$9,349	\$4,406
2019	\$508,021	\$632,505	80.3%	\$79,197	\$0	\$10,236	\$80,999
2020	\$516,455	\$631,354	81.8%	\$80,979	\$0	\$10,094	\$113,708
2021	\$493,819	\$598,378	82.5%	\$82,801	\$0	\$10,459	\$34,132
2022	\$552,947	\$648,332	85.3%	\$84,664	\$0	\$11,965	\$4,959
2023	\$644,618	\$731,848	88.1%	\$86,569	\$0	\$13,662	\$22,038
2024	\$722,812	\$802,353	90.1%	\$88,517	\$0	\$14,917	\$56,051
2025	\$770,195	\$842,078	91.5%	\$90,509	\$0	\$16,187	\$26,983
2026	\$849,908	\$915,135	92.9%	\$92,545	\$0	\$12,577	\$546,136
2027	\$408,894	\$457,924	89.3%	\$94,627	\$0	\$8,495	\$70,704
2028	\$441,312	\$479,028	92.1%	\$96,756	\$0	\$9,307	\$57,135
2029	\$490,240	\$517,146	94.8%	\$98,933	\$0	\$9,666	\$121,642
2030	\$477,197	\$492,443	96.9%	\$101,159	\$0	\$8,169	\$246,071
2031	\$340,455	\$341,390	99.7%	\$103,436	\$0	\$7,584	\$32,834
2032	\$418,641	\$408,068	102.6%	\$105,763	\$0	\$8,452	\$105,600
2033	\$427,255	\$404,506	105.6%	\$108,143	\$0	\$9,348	\$36,412
2034	\$508,333	\$474,888	107.0%	\$110,576	\$0	\$11,233	\$14,175

**Table 5: 30-Year Reserve Plan Detail (yrs 0 through 4) 12303-0**

Fiscal Year	2005	2006	2007	2008	2009
Starting Reserve Balance	\$110,000	\$132,735	\$163,949	\$172,261	\$171,015
Annual Reserve Contribution	\$40,000	\$42,000	\$44,100	\$46,305	\$48,620
Planned Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$2,425	\$2,964	\$3,359	\$3,430	\$3,279
Subtotal	\$152,425	\$177,700	\$211,408	\$221,996	\$222,914
# Component					
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	\$0	\$0	\$0	\$0	\$0
201 Asphalt - Resurface (Phase 2)	\$0	\$0	\$0	\$0	\$0
205 Asphalt - Seal/Repair	\$0	\$0	\$0	\$26,717	\$0
503 Metal Fences - Replace	\$0	\$0	\$0	\$0	\$0
601 Fountain Pump - Replace	\$1,200	\$0	\$0	\$0	\$0
703 Entry System - Replace	\$0	\$0	\$0	\$0	\$4,389
705 Gate Operators - Replace	\$0	\$0	\$0	\$7,212	\$0
912 Gatehouse Computer - Replace	\$0	\$0	\$0	\$1,639	\$0
913 Gatehouse Copier - Replace	\$0	\$0	\$0	\$0	\$0
920 Gatehouse HVAC - Replace	\$0	\$0	\$0	\$0	\$0
1107 Metal Fences - Repaint	\$945	\$0	\$0	\$0	\$1,064
1113 Stucco Walls - Repaint	\$0	\$0	\$0	\$4,507	\$0
1115 Gatehouse Stucco - Repaint	\$0	\$0	\$0	\$6,229	\$0
1116 Gatehouse Trim - Repaint	\$1,280	\$0	\$0	\$1,399	\$0
1117 Gatehouse Wood - Repaint	\$2,270	\$0	\$0	\$0	\$0
1120 Maintenance Building - Repaint	\$0	\$0	\$0	\$0	\$0
1301 Flat Roof - Replace	\$0	\$0	\$0	\$0	\$0
1304 Tile Roof - Repair	\$0	\$0	\$0	\$0	\$0
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	\$0	\$0	\$0	\$0	\$0
411 Fitness Trail - Replace (Park #21)	\$0	\$0	\$0	\$0	\$0
412 Wood Timbers - Replace	\$0	\$0	\$0	\$0	\$0
420 Park Furniture - Replace	\$0	\$0	\$0	\$0	\$0
1004 Granite (Park #4) - Replenish	\$0	\$0	\$0	\$0	\$5,065
1006 Granite (Park #6) - Replenish	\$0	\$0	\$0	\$0	\$0
1007 Granite (Park #7) - Replenish	\$0	\$0	\$0	\$0	\$13,675
1008 Granite (Park #8) - Replenish	\$0	\$0	\$0	\$0	\$0
1009 Granite (Park #9) - Replenish	\$0	\$0	\$0	\$0	\$0
1010 Granite (Park #10) - Replenish	\$0	\$0	\$39,147	\$0	\$0
1011 Granite (Park #11) - Replenish	\$0	\$0	\$0	\$0	\$41,531
1013 Granite (Park #13) - Replenish	\$5,625	\$0	\$0	\$0	\$0
1014 Granite (Park #14) - Replenish	\$0	\$0	\$0	\$0	\$0
1020 Granite (Park #20) - Replenish	\$0	\$10,661	\$0	\$0	\$0
1021 Granite (Park #21) - Replenish	\$8,370	\$0	\$0	\$0	\$0
1040 Wash - Clean Out	\$0	\$3,090	\$0	\$3,278	\$0
Subtotal	\$19,690	\$13,751	\$39,147	\$50,981	\$65,724
Ending Reserve Balance:	\$132,735	\$163,949	\$172,261	\$171,015	\$157,190

**Table 5: 30-Year Reserve Plan Detail (yrs 5 through 9) 12303-0**

Fiscal Year	2010	2011	2012	2013	2014
Starting Reserve Balance	\$157,190	\$180,518	\$216,946	\$242,213	\$289,887
Annual Reserve Contribution	\$51,051	\$53,604	\$56,284	\$59,098	\$62,053
Planned Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$3,374	\$3,971	\$4,588	\$5,316	\$6,240
Subtotal	\$211,615	\$238,093	\$277,818	\$306,628	\$358,181
# Component					
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	\$0	\$0	\$0	\$0	\$0
201 Asphalt - Resurface (Phase 2)	\$0	\$0	\$0	\$0	\$0
205 Asphalt - Seal/Repair	\$0	\$0	\$30,070	\$0	\$0
503 Metal Fences - Replace	\$0	\$0	\$0	\$0	\$0
601 Fountain Pump - Replace	\$0	\$0	\$0	\$1,520	\$0
703 Entry System - Replace	\$0	\$0	\$0	\$0	\$0
705 Gate Operators - Replace	\$0	\$0	\$0	\$0	\$0
912 Gatehouse Computer - Replace	\$0	\$0	\$1,845	\$0	\$0
913 Gatehouse Copier - Replace	\$754	\$0	\$0	\$0	\$0
920 Gatehouse HVAC - Replace	\$0	\$0	\$0	\$0	\$0
1107 Metal Fences - Repaint	\$0	\$0	\$0	\$1,197	\$0
1113 Stucco Walls - Repaint	\$0	\$0	\$0	\$0	\$5,382
1115 Gatehouse Stucco - Repaint	\$0	\$0	\$0	\$0	\$7,437
1116 Gatehouse Trim - Repaint	\$0	\$1,528	\$0	\$0	\$1,670
1117 Gatehouse Wood - Repaint	\$0	\$0	\$0	\$0	\$0
1120 Maintenance Building - Repaint	\$0	\$710	\$0	\$0	\$0
1301 Flat Roof - Replace	\$0	\$0	\$0	\$0	\$1,155
1304 Tile Roof - Repair	\$0	\$0	\$0	\$0	\$0
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	\$0	\$0	\$0	\$0	\$0
411 Fitness Trail - Replace (Park #21)	\$0	\$0	\$0	\$0	\$0
412 Wood Timbers - Replace	\$0	\$728	\$0	\$0	\$0
420 Park Furniture - Replace	\$0	\$0	\$0	\$0	\$0
1004 Granite (Park #4) - Replenish	\$0	\$0	\$0	\$0	\$0
1006 Granite (Park #6) - Replenish	\$0	\$0	\$0	\$14,023	\$0
1007 Granite (Park #7) - Replenish	\$0	\$0	\$0	\$0	\$0
1008 Granite (Park #8) - Replenish	\$0	\$18,179	\$0	\$0	\$0
1009 Granite (Park #9) - Replenish	\$26,866	\$0	\$0	\$0	\$0
1010 Granite (Park #10) - Replenish	\$0	\$0	\$0	\$0	\$0
1011 Granite (Park #11) - Replenish	\$0	\$0	\$0	\$0	\$0
1013 Granite (Park #13) - Replenish	\$0	\$0	\$0	\$0	\$0
1014 Granite (Park #14) - Replenish	\$0	\$0	\$0	\$0	\$3,934
1020 Granite (Park #20) - Replenish	\$0	\$0	\$0	\$0	\$0
1021 Granite (Park #21) - Replenish	\$0	\$0	\$0	\$0	\$0
1040 Wash - Clean Out	\$3,478	\$0	\$3,690	\$0	\$3,914
Subtotal	\$31,098	\$21,147	\$35,605	\$16,740	\$23,492
Ending Reserve Balance:	\$180,518	\$216,946	\$242,213	\$289,887	\$334,688

**Table 5: 30-Year Reserve Plan Detail (yrs 10 through 14) 12303-0**

Fiscal Year	2015	2016	2017	2018	2019
Starting Reserve Balance	\$334,688	\$385,408	\$407,342	\$427,652	\$508,021
Annual Reserve Contribution	\$65,156	\$68,414	\$71,834	\$75,426	\$79,197
Planned Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$7,195	\$7,921	\$8,343	\$9,349	\$10,236
Subtotal	\$407,039	\$461,743	\$487,519	\$512,426	\$597,454
# Component					
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	\$0	\$0	\$0	\$0	\$0
201 Asphalt - Resurface (Phase 2)	\$0	\$0	\$0	\$0	\$0
205 Asphalt - Seal/Repair	\$0	\$33,845	\$0	\$0	\$0
503 Metal Fences - Replace	\$0	\$0	\$0	\$0	\$0
601 Fountain Pump - Replace	\$0	\$0	\$0	\$0	\$0
703 Entry System - Replace	\$0	\$0	\$0	\$0	\$0
705 Gate Operators - Replace	\$0	\$0	\$0	\$0	\$0
912 Gatehouse Computer - Replace	\$0	\$2,076	\$0	\$0	\$0
913 Gatehouse Copier - Replace	\$0	\$0	\$0	\$0	\$0
920 Gatehouse HVAC - Replace	\$2,822	\$0	\$0	\$0	\$0
1107 Metal Fences - Repaint	\$0	\$0	\$1,347	\$0	\$0
1113 Stucco Walls - Repaint	\$0	\$0	\$0	\$0	\$0
1115 Gatehouse Stucco - Repaint	\$0	\$0	\$0	\$0	\$0
1116 Gatehouse Trim - Repaint	\$0	\$0	\$1,825	\$0	\$0
1117 Gatehouse Wood - Repaint	\$0	\$0	\$3,236	\$0	\$0
1120 Maintenance Building - Repaint	\$0	\$0	\$848	\$0	\$0
1301 Flat Roof - Replace	\$0	\$0	\$0	\$0	\$0
1304 Tile Roof - Repair	\$0	\$0	\$0	\$0	\$0
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	\$0	\$0	\$0	\$0	\$0
411 Fitness Trail - Replace (Park #21)	\$0	\$0	\$0	\$0	\$0
412 Wood Timbers - Replace	\$0	\$0	\$0	\$0	\$0
420 Park Furniture - Replace	\$0	\$0	\$0	\$0	\$0
1004 Granite (Park #4) - Replenish	\$0	\$0	\$0	\$0	\$6,807
1006 Granite (Park #6) - Replenish	\$0	\$0	\$0	\$0	\$0
1007 Granite (Park #7) - Replenish	\$0	\$0	\$0	\$0	\$18,378
1008 Granite (Park #8) - Replenish	\$0	\$0	\$0	\$0	\$0
1009 Granite (Park #9) - Replenish	\$0	\$0	\$0	\$0	\$0
1010 Granite (Park #10) - Replenish	\$0	\$0	\$52,611	\$0	\$0
1011 Granite (Park #11) - Replenish	\$0	\$0	\$0	\$0	\$55,815
1013 Granite (Park #13) - Replenish	\$7,560	\$0	\$0	\$0	\$0
1014 Granite (Park #14) - Replenish	\$0	\$0	\$0	\$0	\$0
1020 Granite (Park #20) - Replenish	\$0	\$14,327	\$0	\$0	\$0
1021 Granite (Park #21) - Replenish	\$11,249	\$0	\$0	\$0	\$0
1040 Wash - Clean Out	\$0	\$4,153	\$0	\$4,406	\$0
Subtotal	\$21,630	\$54,400	\$59,868	\$4,406	\$80,999
Ending Reserve Balance:	\$385,408	\$407,342	\$427,652	\$508,021	\$516,455

**Table 5: 30-Year Reserve Plan Detail (yrs 15 through 19) 12303-0**

Fiscal Year	2020	2021	2022	2023	2024
Starting Reserve Balance	\$516,455	\$493,819	\$552,947	\$644,618	\$722,812
Annual Reserve Contribution	\$80,979	\$82,801	\$84,664	\$86,569	\$88,517
Planned Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$10,094	\$10,459	\$11,965	\$13,662	\$14,917
Subtotal	\$607,528	\$587,079	\$649,577	\$744,850	\$826,246
# Component					
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	\$0	\$0	\$0	\$0	\$0
201 Asphalt - Resurface (Phase 2)	\$0	\$0	\$0	\$0	\$0
205 Asphalt - Seal/Repair	\$38,092	\$0	\$0	\$0	\$42,873
503 Metal Fences - Replace	\$3,903	\$0	\$0	\$0	\$0
601 Fountain Pump - Replace	\$0	\$1,926	\$0	\$0	\$0
703 Entry System - Replace	\$0	\$6,258	\$0	\$0	\$0
705 Gate Operators - Replace	\$10,283	\$0	\$0	\$0	\$0
912 Gatehouse Computer - Replace	\$2,337	\$0	\$0	\$0	\$2,630
913 Gatehouse Copier - Replace	\$1,013	\$0	\$0	\$0	\$0
920 Gatehouse HVAC - Replace	\$0	\$0	\$0	\$0	\$0
1107 Metal Fences - Repaint	\$0	\$1,516	\$0	\$0	\$0
1113 Stucco Walls - Repaint	\$6,427	\$0	\$0	\$0	\$0
1115 Gatehouse Stucco - Repaint	\$8,880	\$0	\$0	\$0	\$0
1116 Gatehouse Trim - Repaint	\$1,994	\$0	\$0	\$2,179	\$0
1117 Gatehouse Wood - Repaint	\$0	\$0	\$0	\$0	\$0
1120 Maintenance Building - Repaint	\$0	\$0	\$0	\$1,013	\$0
1301 Flat Roof - Replace	\$0	\$0	\$0	\$0	\$0
1304 Tile Roof - Repair	\$0	\$0	\$0	\$0	\$0
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	\$0	\$0	\$0	\$0	\$0
411 Fitness Trail - Replace (Park #21)	\$0	\$0	\$0	\$0	\$0
412 Wood Timbers - Replace	\$0	\$0	\$0	\$0	\$0
420 Park Furniture - Replace	\$0	\$0	\$0	\$0	\$0
1004 Granite (Park #4) - Replenish	\$0	\$0	\$0	\$0	\$0
1006 Granite (Park #6) - Replenish	\$0	\$0	\$0	\$18,846	\$0
1007 Granite (Park #7) - Replenish	\$0	\$0	\$0	\$0	\$0
1008 Granite (Park #8) - Replenish	\$0	\$24,432	\$0	\$0	\$0
1009 Granite (Park #9) - Replenish	\$36,106	\$0	\$0	\$0	\$0
1010 Granite (Park #10) - Replenish	\$0	\$0	\$0	\$0	\$0
1011 Granite (Park #11) - Replenish	\$0	\$0	\$0	\$0	\$0
1013 Granite (Park #13) - Replenish	\$0	\$0	\$0	\$0	\$0
1014 Granite (Park #14) - Replenish	\$0	\$0	\$0	\$0	\$5,287
1020 Granite (Park #20) - Replenish	\$0	\$0	\$0	\$0	\$0
1021 Granite (Park #21) - Replenish	\$0	\$0	\$0	\$0	\$0
1040 Wash - Clean Out	\$4,674	\$0	\$4,959	\$0	\$5,261
Subtotal	\$113,708	\$34,132	\$4,959	\$22,038	\$56,051
Ending Reserve Balance:	\$493,819	\$552,947	\$644,618	\$722,812	\$770,195

**Table 5: 30-Year Reserve Plan Detail (yrs 20 through 24) 12303-0**

Fiscal Year	2025	2026	2027	2028	2029
Starting Reserve Balance	\$770,195	\$849,908	\$408,894	\$441,312	\$490,240
Annual Reserve Contribution	\$90,509	\$92,545	\$94,627	\$96,756	\$98,933
Planned Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$16,187	\$12,577	\$8,495	\$9,307	\$9,666
Subtotal	\$876,891	\$955,030	\$512,016	\$547,376	\$598,840
# Component					
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	\$0	\$437,169	\$0	\$0	\$0
201 Asphalt - Resurface (Phase 2)	\$0	\$0	\$0	\$0	\$0
205 Asphalt - Seal/Repair	\$0	\$0	\$0	\$48,254	\$0
503 Metal Fences - Replace	\$0	\$0	\$0	\$0	\$0
601 Fountain Pump - Replace	\$0	\$0	\$0	\$0	\$2,439
703 Entry System - Replace	\$0	\$0	\$0	\$0	\$0
705 Gate Operators - Replace	\$0	\$0	\$0	\$0	\$0
912 Gatehouse Computer - Replace	\$0	\$0	\$0	\$2,960	\$0
913 Gatehouse Copier - Replace	\$0	\$0	\$0	\$0	\$0
920 Gatehouse HVAC - Replace	\$0	\$0	\$0	\$0	\$0
1107 Metal Fences - Repaint	\$1,707	\$0	\$0	\$0	\$1,921
1113 Stucco Walls - Repaint	\$0	\$7,674	\$0	\$0	\$0
1115 Gatehouse Stucco - Repaint	\$0	\$10,604	\$0	\$0	\$0
1116 Gatehouse Trim - Repaint	\$0	\$2,381	\$0	\$0	\$2,602
1117 Gatehouse Wood - Repaint	\$0	\$0	\$0	\$0	\$4,614
1120 Maintenance Building - Repaint	\$0	\$0	\$0	\$0	\$1,210
1301 Flat Roof - Replace	\$0	\$0	\$0	\$0	\$0
1304 Tile Roof - Repair	\$0	\$13,915	\$0	\$0	\$0
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	\$0	\$17,003	\$0	\$0	\$0
411 Fitness Trail - Replace (Park #21)	\$0	\$17,003	\$0	\$0	\$0
412 Wood Timbers - Replace	\$0	\$1,135	\$0	\$0	\$0
420 Park Furniture - Replace	\$0	\$14,417	\$0	\$0	\$0
1004 Granite (Park #4) - Replenish	\$0	\$0	\$0	\$0	\$9,148
1006 Granite (Park #6) - Replenish	\$0	\$0	\$0	\$0	\$0
1007 Granite (Park #7) - Replenish	\$0	\$0	\$0	\$0	\$24,698
1008 Granite (Park #8) - Replenish	\$0	\$0	\$0	\$0	\$0
1009 Granite (Park #9) - Replenish	\$0	\$0	\$0	\$0	\$0
1010 Granite (Park #10) - Replenish	\$0	\$0	\$70,704	\$0	\$0
1011 Granite (Park #11) - Replenish	\$0	\$0	\$0	\$0	\$75,010
1013 Granite (Park #13) - Replenish	\$10,159	\$0	\$0	\$0	\$0
1014 Granite (Park #14) - Replenish	\$0	\$0	\$0	\$0	\$0
1020 Granite (Park #20) - Replenish	\$0	\$19,254	\$0	\$0	\$0
1021 Granite (Park #21) - Replenish	\$15,117	\$0	\$0	\$0	\$0
1040 Wash - Clean Out	\$0	\$5,581	\$0	\$5,921	\$0
Subtotal	\$26,983	\$546,136	\$70,704	\$57,135	\$121,642
Ending Reserve Balance:	\$849,908	\$408,894	\$441,312	\$490,240	\$477,197

**Table 5: 30-Year Reserve Plan Detail (yrs 25 through 29) 12303-0**

Fiscal Year	2030	2031	2032	2033	2034
Starting Reserve Balance	\$477,197	\$340,455	\$418,641	\$427,255	\$508,333
Annual Reserve Contribution	\$101,159	\$103,436	\$105,763	\$108,143	\$110,576
Planned Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$8,169	\$7,584	\$8,452	\$9,348	\$11,233
Subtotal	\$586,526	\$451,475	\$532,855	\$544,746	\$630,142
# Component					
<b>COMMON AREA</b>					
201 Asphalt - Resurface (Phase 1)	\$0	\$0	\$0	\$0	\$0
201 Asphalt - Resurface (Phase 2)	\$185,509	\$0	\$0	\$0	\$0
205 Asphalt - Seal/Repair	\$0	\$0	\$54,311	\$0	\$0
503 Metal Fences - Replace	\$0	\$0	\$0	\$0	\$0
601 Fountain Pump - Replace	\$0	\$0	\$0	\$0	\$0
703 Entry System - Replace	\$0	\$0	\$0	\$8,923	\$0
705 Gate Operators - Replace	\$0	\$0	\$14,661	\$0	\$0
912 Gatehouse Computer - Replace	\$0	\$0	\$3,332	\$0	\$0
913 Gatehouse Copier - Replace	\$1,361	\$0	\$0	\$0	\$0
920 Gatehouse HVAC - Replace	\$4,397	\$0	\$0	\$0	\$0
1107 Metal Fences - Repaint	\$0	\$0	\$0	\$2,162	\$0
1113 Stucco Walls - Repaint	\$0	\$0	\$9,163	\$0	\$0
1115 Gatehouse Stucco - Repaint	\$0	\$0	\$12,661	\$0	\$0
1116 Gatehouse Trim - Repaint	\$0	\$0	\$2,843	\$0	\$0
1117 Gatehouse Wood - Repaint	\$0	\$0	\$0	\$0	\$0
1120 Maintenance Building - Repaint	\$0	\$0	\$0	\$0	\$0
1301 Flat Roof - Replace	\$0	\$0	\$1,966	\$0	\$0
1304 Tile Roof - Repair	\$0	\$0	\$0	\$0	\$0
<b>PARKS &amp; LANDSCAPE</b>					
410 Fitness Trail - Replace (The Park)	\$0	\$0	\$0	\$0	\$0
411 Fitness Trail - Replace (Park #21)	\$0	\$0	\$0	\$0	\$0
412 Wood Timbers - Replace	\$0	\$0	\$0	\$0	\$0
420 Park Furniture - Replace	\$0	\$0	\$0	\$0	\$0
1004 Granite (Park #4) - Replenish	\$0	\$0	\$0	\$0	\$0
1006 Granite (Park #6) - Replenish	\$0	\$0	\$0	\$25,327	\$0
1007 Granite (Park #7) - Replenish	\$0	\$0	\$0	\$0	\$0
1008 Granite (Park #8) - Replenish	\$0	\$32,834	\$0	\$0	\$0
1009 Granite (Park #9) - Replenish	\$48,523	\$0	\$0	\$0	\$0
1010 Granite (Park #10) - Replenish	\$0	\$0	\$0	\$0	\$0
1011 Granite (Park #11) - Replenish	\$0	\$0	\$0	\$0	\$0
1013 Granite (Park #13) - Replenish	\$0	\$0	\$0	\$0	\$0
1014 Granite (Park #14) - Replenish	\$0	\$0	\$0	\$0	\$7,105
1020 Granite (Park #20) - Replenish	\$0	\$0	\$0	\$0	\$0
1021 Granite (Park #21) - Replenish	\$0	\$0	\$0	\$0	\$0
1040 Wash - Clean Out	\$6,281	\$0	\$6,664	\$0	\$7,070
Subtotal	\$246,071	\$32,834	\$105,600	\$36,412	\$14,175
Ending Reserve Balance:	\$340,455	\$418,641	\$427,255	\$508,333	\$615,968



## Accuracy, Limitations, and Disclosures

Because we have no control over future events, we cannot claim that all the events we anticipate will occur as planned. We expect that inflationary trends will continue, and we expect that financial institutions will provide interest earnings on funds on-deposit. We believe that reasonable estimates for these figures are much more accurate than ignoring these economic realities. The things we can control are measurements, which we attempt to establish within 5% accuracy. Your starting Reserve Balance and current Reserve interest earnings are also numbers that can be identified with a high degree of certainty. These figures have been provided to us, and were not confirmed by our independent research. Our projections assume a stable economic environment and lack of natural disasters.

Because both the physical status and financial status of the association change each year, this Reserve Study is by nature a “one-year” document. This information can and should be adjusted annually as part of the Reserve Study Update process so that more accurate estimates can be reflected in the Reserve plan. Reality often differs from even the best assumptions due to changing economic factors, physical factors, or ownership expectations. Because many years of financial preparation help the preparation for large expenses, this Report shows expenses for the next 30 years. We fully expect a number of adjustments will be necessary through the interim years to both the cost and timing of distant expense projections. It is our recommendation and that of the American Institute of Certified Public Accountants (AICPA) that your Reserve Study be updated annually.

Association Reserves – Arizona, LLC, and its employees have no ownership, management, or other business relationships with the client beyond this Reserve Study engagement. D.J. Vlaming, R.S., company president, is a credentialed Reserve Specialist. All work done by Association Reserves – Arizona, LLC is performed under his Responsible Charge. There are no material issues to our knowledge that have not been disclosed to the client that would cause a distortion of the association’s situation.

We have relied upon the client to provide the current (or projected) Reserve Balance, the estimated net-after-tax current rate of interest earnings, and to indicate if those earnings accrue to the Reserve Fund. In addition, we have considered the association’s representation of current and historical Reserve projects reliable, and we have considered the representations made by its vendors and suppliers to also be accurate and reliable.

Component quantities indicated in this Report were developed by Association Reserves unless otherwise noted in our “Site Inspection Notes” comments. No destructive or intrusive testing was performed, nor should the site inspection be assumed to be anything other than for budget purposes.

## Terms and Definitions

<b>BTU</b>	British Thermal Unit (a standard unit of energy)
<b>DIA</b>	Diameter
<b>GSF</b>	Gross Square Feet (area)
<b>GSY</b>	Gross Square Yards (area)
<b>HP</b>	Horsepower
<b>LF</b>	Linear Feet (length)

**Effective Age:** The difference between Useful Life and Remaining Useful Life. Note that this is not necessarily equivalent to the chronological age of the component.

**Fully Funded Balance (FFB):** The Reserve Balance that is in direct proportion to the fraction of life “used up” of the current Repair or Replacement cost. This benchmark balance represents the value of the deterioration of the Reserve Components. This number is calculated for each component, then summed together for an association total.

$$\text{FFB} = (\text{Current Cost} \times \text{Effective Age}) / \text{Useful Life}$$

**Inflation:** Cost factors are adjusted for inflation at the rate defined in the Executive Summary and compounded annually. These increasing costs can be seen as you follow the recurring cycles of a component on Table 5.

**Interest:** Interest earnings on Reserve Funds are calculated using the average balance for the year (taking into account income and expenses through the year) and compounded monthly using the rate defined in the Executive Summary. Annual interest earning assumption appears in the Executive Summary, page ii.

**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 Fully Funded Balance, expressed as a percentage.

**Remaining Useful Life:** The estimated time, in years, that a common area component can be expected to continue to serve its intended function.

**Useful Life:** The estimated time, in years, that a common area component can be expected to serve its intended function.

**Photographic Inventory Appendix**