Robin Meadows



FY 2025 RESERVE STUDY ND MAINTENANCE SCHEDULE

PREPARED FOR:

Robin Meadows Homeowners Association c/o Ashlyn Dietz

PROJECT NUMBER:

24-125

REPORT DATE:

December 17, 2024

FINAL

PREPARED BY:



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TABLE OF CONTENTS

EXECUTIVE SUMMARY	4
GENERAL ASSESSMENT OF RESERVE FUND STATUS	5
Current Reserve Fund Balance	5
Recommended Reserve Fund Contribution	5
Alternate - Phased Roof Rehabilitation Reserve Fund Contribution	5
RESERVE FUND CONTRIBUTION ANALYSIS	7
Threshold Chart	7
Year End Balance Chart	8
Percent Funded Chart	9
Recommended Cash Flow - Annual	10
Alternate - Phased Roof Replacement Cash Flow - Annual	11
RESERVE STUDY PARAMETERS	12
Note Regarding Inflation	12
Property Site Overview	13
Reserve Study Exclusions	14
COMPONENT INVENTORY	15
Explanatory Notes	15
Component List – Summary	16
Expenditures - Annual List	18
Expenditures – Matrix	22
Component List – Full Detail	27
APPENDIX A	54
Maintenance Schedule	55
APPENDIX B	63
Purpose Of Report	64
Standard Terms And Definitions	65
Overview Of Capital Planning Tools	67
Reserve Study Methodology	71
Disclosures And Limitations	73



EXECUTIVE SUMMARY

Client Name: Robin Meadows Homeowners
Association

Property Name:

Robin Meadows

(Property)

c/o

C/O

Ashlyn Dietz

Tualatin, OR 97062

Client Address: PO Box 4585

Property Address:

3202 SE Blue Bird Dr Hillsboro, OR 97123

Report Type:

Level 1 Reserve Study & Maintenance

Report Date:

December 17, 2024

As requested, Forensic Building Consultants (Forensic) has prepared a 30-year Reserve Study and Maintenance Schedule for Robin Meadows.

The following report consists of the following:

Dear Robin Meadows Homeowners Association:

- 1) A physical analysis of the current condition of a limited representative sample of the Property's commonly owned building components, and
- 2) A financial analysis of the Association's current reserve fund balance, contribution, and anticipated replacement schedule, and
- 3) A recommended maintenance schedule for the commonly owned building components.

The intent of this Reserve Study is to evaluate the results of the physical and financial analyses to help the Association assess their current reserve funding and to arrive at an appropriate annual reserve fund contribution for the Property, based on the anticipated replacements and renewals of major commonly owned building components over the next thirty (30) years.

Major upcoming concerns include roof replacement and exterior painting. This report has provided funding for the roof replacements to all take place in 2025, with costs based on a bid provided by Alwyin Construction. This bid includes roof replacement, attic repairs, gutters and downspouts, targeted vinyl siding replacement, barge board replacement, and limited sheathing replacement. These are all included in the 'Roof: 2025 Rehab' component, with funding for future replacement of these components provided separately. An alternate funding plan has been provided at the request of the Association that breaks up the roof replacements into roughly three (3) annual phases beginning in 2025.

RESERVE STUDY SCOPE

This Reserve Study (RS) update is limited to information provided by the Association, previous reserve study updates, and other reports which provide information on the current condition of the components included in this study. Note that this study's scope is limited to the following:

• Full Reserve Study (Level I) – The reserve provider reviews community bylaws and original construction documents (when available) to produce a component inventory, a condition assessment (based upon onsite visual observations), and life and value estimates to determine both a "fund status" and "funding plan."



GENERAL ASSESSMENT OF RESERVE FUND STATUS

CURRENT RESERVE FUND BALANCE

The current reserve fund balance of \$457,574 places the reserve fund at an approximately 22% funding level. Ideally, a reserve fund would be approximately 80 to 100% funded, meaning that most or all depreciation of existing components is held in reserve. Currently, the Association will require a special assessment to meet projected near-term expenses.

Costs provided in this report are estimates based on currently available information. Forensic strongly recommends the Association obtain bids from multiple qualified contractors to ensure adequate funding.

RECOMMENDED RESERVE FUND CONTRIBUTION

The recommended reserve fund contribution has been calculated to meet all projected expenses and maintain a positive threshold.

A special assessment has been estimated for 2025 to help cover near term funding issues related to the roof rehabilitation project scheduled in this study for 2025. An alternate funding plan, 'Phased Roof Rehabilitation Reserve Fund Contribution', is also provided which roughly illustrates the funding requirements if the 2025 roof rehabilitation project is phased over 2025, 2026, and 2027.

A contribution of \$65,342 in fiscal year 2025 combined with a special assessment for the funding gap presented by the roof replacements, followed by annual increases detailed below, is recommended to meet the above criteria.

Recommended Annual Reserve Fund Contributions								
FY 2025	\$ 65,342							
FY 2026 - FY 2031	18.75% annual increases							
FY 2032 – FY 2054	3% annual increases							
Estimated Spe	cial Assessments for Recommended Plan							
FY 2025 \$785,000								

See 'Recommended Cash Flow - Annual' for more detailed information.

ALTERNATE - PHASED ROOF REHABILITATION RESERVE FUND CONTRIBUTION

The phased roof rehabilitation reserve fund contribution has been calculated to meet all projected expenses and maintain a positive threshold. For simplicity, this plan breaks up the planned 2025 rehabilitation into the upcoming three fiscal years. Additional cost has been added to the second and third phase of the roof replacement to help defray increased mobilization costs that may be incurred by implementing a phased approach.

A contribution of \$65,342 in fiscal year 2025 combined with annual special assessments for funding shortfalls created by roof replacements, followed by annual increases detailed on the next page, is recommended to meet the above criteria.



Phased Roof Rehabilitation Annual Reserve Fund Contributions								
FY 2025	\$ 65,342							
FY 2026 - FY 2030 18.5% annual increases								
FY 2031 – FY 2054 3% annual increases								
Estimated Special	Assessments for Phased Roof Rehabilitation							
FY 2025	\$290,000							
FY 2026 \$640,000								

See 'Alternate Phased Roof Replacement Cash Flow - Annual' for more detailed information.

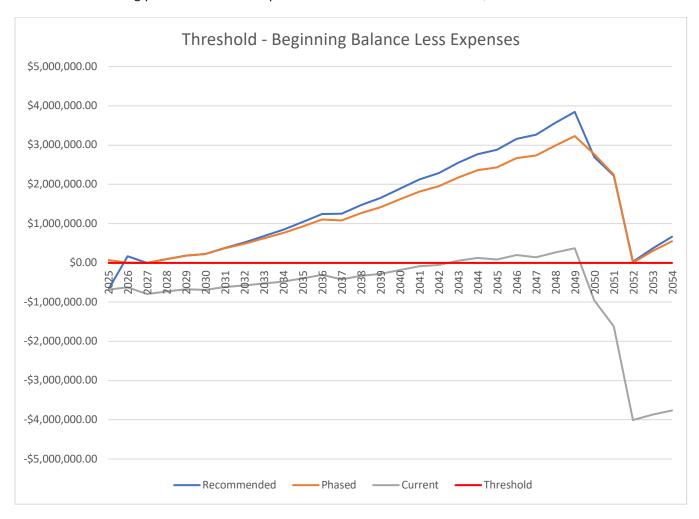


RESERVE FUND CONTRIBUTION ANALYSIS

THRESHOLD CHART

For the purposes of this report, threshold is defined as the difference between a fiscal year's beginning balance and its projected expenses. Negative thresholds can lead to deferral of projects due to lack of available funds. recommended contribution maintains a positive threshold throughout the 30 years of this study, as illustrated in the graph below.

The 'Current' funding plan is based on the planned FY2025 contribution of \$65,342 with 3% annual increases.

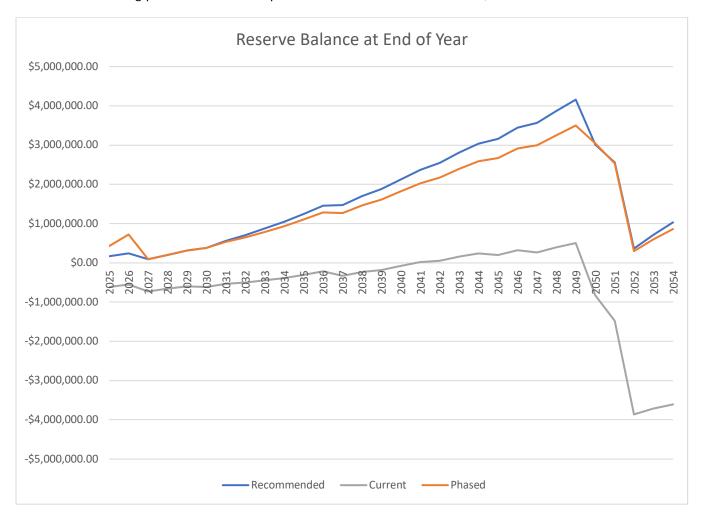




YEAR END BALANCE CHART

The annual ending balances of both the current and recommended funding plan are illustrated below.

The 'Current' funding plan is based on the planned FY2025 contribution of \$65,342 with 3% annual increases.

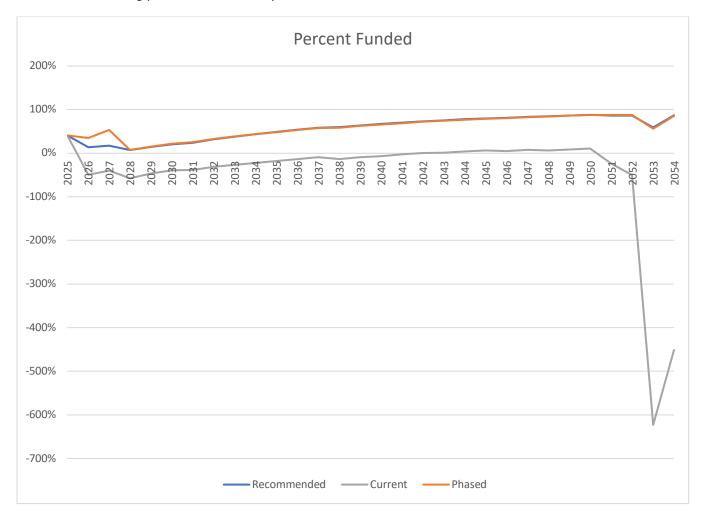




PERCENT FUNDED CHART

The recommended and phased contribution schedule will lead to an approximately 85% funded reserve by 2054 as illustrated in the graph below.

The 'Current' funding plan is based on the planned FY2025 contribution of \$65,342 with 3% annual increases.





RECOMMENDED CASH FLOW - ANNUAL

EXPLANATORY NOTES

The recommended cash flow projections provided here have been calculated based on the recommended cash flow detailed under 'General Assessment of Reserve Fund Status'.

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Begin Balance	457,574	169,180	244,323	92,894	201,321	315,595	381,718	562,339	709,254	876,238
Contribution	65,342	77,594	92,142	109,419	129,936	154,299	183,230	188,727	194,388	200,220
Average Per Unit	18,485	1,686	2,003	2,378	2,824	3,354	3,983	4,102	4,225	4,352
Percent Change	N/A%	18.75%	18.75%	18.75%	18.75%	18.75%	18.75%	3.00%	3.00%	3.00%
Special Assessment	785,000	0	0	0	0	0	0	0	0	0
Interest	75	102	28	73	125	154	235	308	389	473
Less Expenditures	1,138,812	2,554	243,599	1,066	15,787	88,330	2,843	42,120	27,795	30,331
Ending Balance	169,180	244,323	92,894	201,321	315,595	381,718	562,339	709,254	876,238	1,046,600
	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Begin Balance	1,046,600	1,247,976	1,457,900	1,475,105	1,699,926	1,883,742	2,123,817	2,367,660	2,545,445	2,808,025
Contribution	206,227	212,413	218,786	225,349	232,110	239,073	246,245	253,633	261,242	269,079
Average Per Unit	4,483	4,617	4,756	4,898	5,045	5,197	5,353	5,513	5,679	5,849
Percent Change	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Special Assessment	0	0	0	0	0	0	0	0	0	0
Interest	572	675	686	793	884	1,001	1,122	1,210	1,338	1,453
Less Expenditures	5,423	3,166	202,267	1,322	49,179	0	3,525	77,059	0	37,600
Ending Balance	1,247,976	1,457,900	1,475,105	1,699,926	1,883,742	2,123,817	2,367,660	2,545,445	2,808,025	3,040,958
	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054
Begin Balance	3,040,958	3,163,302	3,446,495	3,564,260	3,867,330	4,159,500	3,016,872	2,554,255	366,733	715,377
Contribution	277,152	285,466	294,030	302,851	311,937	321,295	330,933	340,861	351,087	361,620
Average Per Unit	6,025	6,205	6,391	6,583	6,781	6,984	7,194	7,410	7,632	7,861
Percent Change	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Special Assessment	0	0	0	0	0	0	0	0	0	0
Interest	1,515	1,651	1,711	1,857	2,001	1,458	1,210	150	269	425
Less Expenditures	156,323	3,925	177,976	1,638	21,769	1,465,380	794,761	2,528,534	2,714	46,610

Ending Balance

3,163,302

3,446,495

3,564,260

3,867,330

4,159,500

3,016,872

2,554,255

366,733

715,377

1,030,813



ALTERNATE - PHASED ROOF REPLACEMENT CASH FLOW - ANNUAL

EXPLANATORY NOTES

The recommended cash flow projections provided here have been calculated based on the phased roof rehabilitation cash flow detailed under 'General Assessment of Reserve Fund Status'.

Please note that the annual expenses listed on this phased roof replacement cash flow do not correlate to the expenses listed in any other section of this report. This is a custom cash flow plan provided at the request of the Association to compare with the recommended cash flow. These expenses differ primarily in matters related to the roof replacement, i.e. phased (2025-27) versus non-phased (2025).

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Begin Balance	457,574	426,839	719,159	92,072	199,808	312,991	377,494	532,139	652,285	791,684
Contribution	65,342	77,430	91,755	108,730	128,845	152,681	157,262	161,979	166,839	171,844
Average Per Unit	7,724	15,596	1,994	2,363	2,800	3,319	3,418	3,521	3,626	3,735
Percent Change	N/A%	18.50%	18.50%	18.50%	18.50%	18.50%	3.00%	3.00%	3.00%	3.00%
Special Assessment	290,000	640,000	0	0	0	0	0	0	0	0
Interest	199	335	38	72	124	152	226	286	354	424
Less Expenditures	386,276	425,445	718,881	1,066	15,787	88,330	2,843	42,120	27,795	30,331
Ending Balance	426,839	719,159	92,072	199,808	312,991	377,494	532,139	652,285	791,684	933,621

	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Begin Balance	933,621	1,105,706	1,285,447	1,271,551	1,464,325	1,615,119	1,821,170	2,029,953	2,171,614	2,396,975
Contribution	176,999	182,309	187,779	193,412	199,214	205,191	211,347	217,687	224,218	230,944
Average Per Unit	3,847	3,963	4,082	4,204	4,330	4,460	4,594	4,732	4,874	5,020
Percent Change	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Special Assessment	0	0	0	0	0	0	0	0	0	0
Interest	508	597	592	683	758	859	961	1,032	1,142	1,238
Less Expenditures	5,423	3,166	202,267	1,322	49,179	0	3,525	77,059	0	37,600
Ending Balance	1,105,706	1,285,447	1,271,551	1,464,325	1,615,119	1,821,170	2,029,953	2,171,614	2,396,975	2,591,558

	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054
Begin Balance	2,591,558	2,674,388	2,916,869	2,992,688	3,252,540	3,500,183	3,043,270	2,533,753	297,901	596,740
Contribution	237,873	245,009	252,359	259,930	267,728	275,760	284,032	292,553	301,330	310,370
Average Per Unit	5,171	5,326	5,486	5,650	5,820	5,994	6,174	6,359	6,550	6,747
Percent Change	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Special Assessment	0	0	0	0	0	0	0	0	0	0
Interest	1,280	1,396	1,436	1,560	1,683	1,467	1,212	128	223	353
Less Expenditures	156,323	3,925	177,976	1,638	21,769	734,140	794,761	2,528,534	2,714	46,610
Ending Balance	2,674,388	2,916,869	2,992,688	3,252,540	3,500,183	3,043,270	2,533,753	297,901	596,740	860,854



RESERVE STUDY PARAMETERS

The following data (provided by the Association) forms the basis for the funding model inputs.

Level of Service:	Level 1 (Full Reserve Study – With Site Visit)	Description:	Reserve Study includes Component Inventory, Life and Valuation Estimates, Fund Status & Funding Plan
Fiscal Year Start:	January 1, 2025	Fiscal Year End:	December 31, 2025
Model Interest Rate:	0.05 %	Inflation Rate:	2.15 %
FY2025 Estimated Reserve Fund Beginning Balance:	\$ 457,574	FY2024 Reserve Fund Contribution:	\$ 54,452
Funding Parameters:	Maintain positive thresholds	Number of Units:	46
Property Occupancy Type:	Single and Multi-Family Residential Condominiums	Date of Original Construction:	2002

General Description of Property:

The Property consists of a total of thirty-one (31) buildings. Of the thirty-one buildings there are twenty-three (23) single-family homes and five (5) triplexes of generally similar construction with slab on grade wood frame walls, vinyl cladding, and composition asphalt shingles. The remaining three (3) buildings are slab on grade wood frame walls, fiber cement cladding, and composition asphalt shingles.

NOTE REGARDING INFLATION

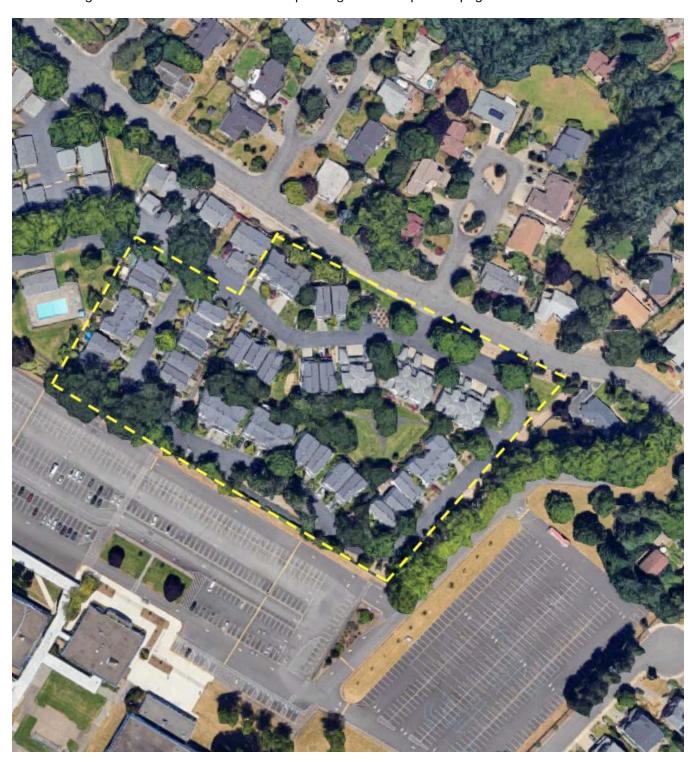
Unprecedented inflation levels over the last fiscal year have proven problematic regarding future inflation models. Future costs have been projected at a historically stable 2.15% annual rate of inflation, however, annual inflation in the near term may prove to be higher.

While Forensic always recommends annual reserve study updates, it is even more important in the coming years to perform annual reserve study updates to accurately account for inflation and maintain a healthy reserve fund status.



PROPERTY SITE OVERVIEW

The aerial image below, obtained from Google Maps, illustrates the overall site conditions at the Property. Note that this image is orientated with "North" corresponding with the top of the page.





RESERVE STUDY EXCLUSIONS

EXPLANATORY NOTES

The following components and systems have been excluded from this Reserve Study. Any pricing and component information for these systems contained within this report was provided by the Association, was included only for budgeting purposes, and has not been independently assessed or verified by Forensic:

- Site Utilities
- Foundation and Concealed Structural Components
- Mechanical and HVAC Systems
- Low-Voltage Electrical Systems
- Emergency Power Systems
- Plumbing Systems
- Fire Detection and Alarm Systems
- Fire Suppression Systems
- Electrical Systems
- Accessibility Items

These systems (where they exist) will likely require periodic renewal and replacement during the next 30 years. However, the condition assessment and verification of replacement costs of these systems are beyond the scope of this Reserve Study.

It is recommended that the Association and their Community Management firm have these systems evaluated by qualified professionals prior to inclusion in future Reserve Studies for the Property.



COMPONENT INVENTORY

EXPLANATORY NOTES

To compile the 30-year funding forecast, this reserve study estimates the expected useful life (EUL) and remaining useful life (RUL) of the various building components and systems (components) included within the scope of the study and provides estimated replacement or renewal costs for those components.

Each common element component is identified as being primarily in one of four categories, and an appropriate modification to the components' remaining useful life (RUL) was made for each, based on the actual condition and nature of the component

Interior Component (Aesthetic):	Maximum 100% extension of expected useful life (EUL)	Exterior Component (Aesthetic):	Maximum 50% extension of expected useful life (EUL)
Interior Component (Performance):	Maximum 50% extension of expected useful life (EUL)	Exterior Component (Performance):	Maximum 25% extension of expected useful life (EUL)

Note that the component inventory tables on the following pages incorporate the abbreviations and terminology listed below:

- Replace Date First anticipated replacement date for a given component, based upon RUL
- Basis Cost The cost of a given component per unit of measurement
- Quantity Quantity of a given component with unit of measurement
- Current Cost Current cost of replacement for a given component
- Adj Life Adjusted expected useful life of given component
- Rem Life (RUL) Remaining useful life of given component
- Future Cost Future cost of replacement for a given component based on replacement date and inflation



COMPONENT LIST - SUMMARY

Components	Codo	Dana	Replace	Pasis Cost	Our matitus	Command Coat	Adj Life	Rem Life	Future Cost
Component	Code	Desc.	Date	Basis Cost	Quantity	Current Cost	ше		Future Cost
Balcony & Porch									
Railings: Wood: Replace	910-000-0014		01/01/2032	\$ 78.00	80 LF	\$ 6,240	30:00	7:00	\$ 7,252
						6,240			7,252
Contingencies									
Insurance Deductible: Contingency	910-000-0009		01/01/2025	\$ 10,000.00	1 Allow	\$ 10,000	1:00	0:00	\$ 10,000
Fencing						10,000			10,000
•	040 000 0000		04/04/0000	4 == 00	4 007 15	A 70 005	45.00		405547
Fence: 5' Wood: Replace	910-000-0022		01/01/2030	\$ 55.00	1,397 LF	\$ 76,835	15:00	5:00	\$ 85,547
Fence: 5' Wood: Stain	910-000-0029		01/01/2027	4.50	1,397 LF	6,287	6:00	2:00	6,562
Fence: Picket: Replace	910-000-0026		01/01/2035	17.50	250 LF	4,375	33:00	10:00	5,423
Pavement						87,497			97,533
	040 000 0003		04/04/2027	¢ 0.00	F2 F00 CF	ć 42.070	25.00	42.00	¢ 56 770
Asphalt Drive: Overlay	910-000-0002 910-000-0003		01/01/2037	\$ 0.82 0.32	53,500 SF	\$ 43,870 17,120	35:00 6:00	12:00 2:00	\$ 56,770
Asphalt Drive: Stripe & Seal Asphalt Path: Overlay	910-000-0003		01/01/2027 01/01/2042	0.32	53,500 SF 4,250 SF	17,120 3.485	40:00	2:00 17:00	17,872 5,021
Asphalt Path: Overlay Asphalt Path: Seal	910-000-0028		01/01/2042	0.82	4,250 SF 4,250 SF	3,485 1,488	8:00	4:00	1,621
Aspirait Fatil. Seal	910-000-0027		01/01/2029	0.33	4,230 31	•	8.00	4.00	•
Roof						65,963			81,283
Roof: 2025 Rehab	910-000-0031		01/01/2025	\$ 1,128,812.03	1 Lsum	\$ 1,128,812	1:00	0:00	\$ 1,128,812
Roof: Composition Asphalt Shingles	920-001-0015	Phase 0	01/01/2023	1,005.65	159 Sq	159,898	25:00	25:00	273,570
Roof: Composition Asphalt Shingles	920-002-0015	Phase 1	01/01/2050	1,005.65	153 Sq	153,864	25:00	25:00	263,247
Roof: Composition Asphalt Shingles	920-003-0015	Phase 2	01/01/2050	1,005.65	184 Sq	185,040	25:00	25:00	316,584
Roof: Composition Asphalt Shingles	920-004-0015	Phase 3	01/01/2050	1,005.65	150 Sq	150,848	25:00	25:00	258,085
Roof: Composition Asphalt Shingles	920-005-0015	Phase 4	01/01/2050	1,005.65	91 Sq	91,514	25:00	25:00	156,571
Roof: Gutters & Downspouts	920-001-0008	Phase 0	01/01/2050	11.50	2,544 LF	29,256	25:00	25:00	50,054
Roof: Gutters & Downspouts	920-002-0008	Phase 1	01/01/2050	11.50	1,965 LF	22,598	25:00	25:00	38,662
Roof: Gutters & Downspouts	920-003-0008	Phase 2	01/01/2050	11.50	2,355 LF	27,083	25:00	25:00	46,335
Roof: Gutters & Downspouts	920-004-0008	Phase 3	01/01/2050	11.50	1,980 LF	22,770	25:00	25:00	38,957
Roof: Gutters & Downspouts	920-005-0008	Phase 4	01/01/2050	11.50	1,185 LF	13,628	25:00	25:00	23,315
						1,985,310		_	2,594,193
Services									
Building Enclosure Assessment	910-000-0004		01/01/2026	\$ 2,500.00	1 Allow	\$ 2,500	5:00	1:00	\$ 2,554
Power Wash: Exterior	910-000-0025		01/01/2029	10,000.00	1 Allow	10,000	5:00	4:00	10,897
						12,500			13,452



COMPONENT LIST - SUMMARY

Components			Replace				Adj	Rem	
Component	Code	Desc.	Date	Basis Cost	Quantity	Current Cost	Life	Life	Future Cost
Siding									
Masonry: Clean & Seal	910-000-0018		01/01/2028	\$ 1,000.00	1 Allow	\$ 1,000	10:00	3:00	\$ 1,067
Masonry: Tuck Point	910-000-0020		01/01/2032	2,500.00	1 Allow	2,500	30:00	7:00	2,906
Paint & Sealant: Siding, Trim, Railings	910-000-0012		01/01/2027	3.15	25,691 SF	80,927	10:00	2:00	84,479
Siding: Fiber Cement: Repair 2%	910-000-0016		01/01/2027	19.50	514 SF	10,023	10:00	2:00	10,463
Siding: Fiber Cement: Replace	910-000-0005		01/01/2051	17.50	24,500 SF	428,750	50:00	26:00	749,476
Siding: Vinyl: Exterior Building Repairs	910-000-0030		01/01/2027	30,000.00	1 Allow	30,000	15:00	2:00	31,317
Siding: Vinyl: Replace	910-000-0017		01/01/2052	14.50	91,500 SF	1,326,750	50:00	27:00	2,369,580
						1,879,950		_	3,249,287
Site									
Arborist: Tree Work	910-000-0001		01/01/2029	\$ 3,000.00	1 Allow	\$ 3,000	5:00	4:00	\$ 3,269
Entry Monument	910-000-0021		01/01/2030	2,500.00	1 Allow	2,500	28:00	5:00	2,783
Irrigation: Major Repairs	910-000-0010		01/01/2027	750.00	92 Zone	69,000	25:00	2:00	72,029
Landscape: Bark Dust	910-000-0024		01/01/2027	20,000.00	1 Allow	20,000	5:00	2:00	20,878
Landscape: Renovation	910-000-0023		01/01/2034	12,000.00	1 Allow	12,000	10:00	9:00	14,559
Mailbox Clusters	910-000-0011		01/01/2032	2,500.00	3 Allow	7,500	30:00	7:00	8,717
						114,000		_	122,236
						4,161,458		_	6,175,236



			Service	Estimated	
Date	Component	Code	Date	Life	Expenditure
Date	Component		Date		Lapenditure
Year: 2025					
01/01/2025	Insurance Deductible: Contingency	910-000-0009		1:00	\$ 10,000.00
01/01/2025	Roof: 2025 Rehab	910-000-0031		1:00	1,128,812.03
					1,138,812.03
Year: 2026					
01/01/2026	Building Enclosure Assessment	910-000-0004	01/01/2021	5:00	\$ 2,554.28
					2,554.28
Year: 2027					
01/01/2027	Asphalt Drive: Stripe & Seal	910-000-0003	01/01/2021	6:00	\$ 17,871.53
01/01/2027	Fence: 5' Wood: Stain	910-000-0029	01/01/2021	6:00	6,562.46
01/01/2027	Irrigation: Major Repairs	910-000-0010	01/01/2002	25:00	72,028.94
01/01/2027	Landscape: Bark Dust	910-000-0024	01/01/2022	5:00	20,877.95
01/01/2027	Paint & Sealant: Siding, Trim, Railings	910-000-0012	01/01/2017	10:00	84,479.15
01/01/2027	Siding: Fiber Cement: Repair 2%	910-000-0016	01/01/2017	10:00	10,462.99
01/01/2027	Siding: Vinyl: Exterior Building Repairs	910-000-0030	01/01/2012	15:00	31,316.93
					243,599.95
Year: 2028					
01/01/2028	Masonry: Clean & Seal	910-000-0018	01/01/2018	10:00	\$ 1,066.56
					1,066.56
Year: 2029					
01/01/2029	Arborist: Tree Work	910-000-0001	01/01/2024	5:00	\$ 3,269.17
01/01/2029	Asphalt Path: Seal	910-000-0027	01/01/2021	8:00	1,620.96
01/01/2029	Power Wash: Exterior	910-000-0025	01/01/2024	5:00	10,897.22
					15,787.35
Year: 2030					
01/01/2030	Entry Monument	910-000-0021	01/01/2002	28:00	\$ 2,783.46
01/01/2030	Fence: 5' Wood: Replace	910-000-0022	01/01/2015	15:00	85,546.84
					88,330.30
Year: 2031					
01/01/2031	Building Enclosure Assessment	910-000-0004	01/01/2026	5:00	\$ 2,843.90
					2,843.90
Year: 2032					
01/01/2032	Landscape: Bark Dust	910-000-0024	01/01/2027	5:00	\$ 23,245.18
01/01/2032	Mailbox Clusters	910-000-0011	01/01/2002	30:00	8,716.94
01/01/2032	Masonry: Tuck Point	910-000-0020	01/01/2002	30:00	2,905.65



			Service	Estimated	
Date	Component	Code	Date	Life	Expenditure
01/01/2032	Railings: Wood: Replace	910-000-0014	01/01/2002	30:00	\$ 7,252.49
,,,,,	0		,,,,,	_	42,120.26
Year: 2033					
01/01/2033	Asphalt Drive: Stripe & Seal	910-000-0003	01/01/2027	6:00	\$ 20,329.92
01/01/2033	Fence: 5' Wood: Stain	910-000-0029	01/01/2027	6:00	7,465.19
				_	27,795.11
Year: 2034					
01/01/2034	Arborist: Tree Work	910-000-0001	01/01/2029	5:00	\$ 3,639.84
01/01/2034	Landscape: Renovation	910-000-0023	01/01/2024	10:00	14,559.35
01/01/2034	Power Wash: Exterior	910-000-0025	01/01/2029	5:00	12,132.79
					30,331.98
Year: 2035					
01/01/2035	Fence: Picket: Replace	910-000-0026	01/01/2002	33:00	\$ 5,423.35
					5,423.35
Year: 2036					
01/01/2036	Building Enclosure Assessment	910-000-0004	01/01/2031	5:00	\$ 3,166.35
					3,166.35
Year: 2037					
01/01/2037	Asphalt Drive: Overlay	910-000-0002	01/01/2002	35:00	\$ 56,769.54
01/01/2037	Asphalt Path: Seal	910-000-0027	01/01/2029	8:00	1,924.88
01/01/2037	Landscape: Bark Dust	910-000-0024	01/01/2032	5:00	25,880.80
01/01/2037	Paint & Sealant: Siding, Trim, Railings	910-000-0012	01/01/2027	10:00	104,722.33
01/01/2037	Siding: Fiber Cement: Repair 2%	910-000-0016	01/01/2027	10:00	12,970.16
					202,267.71
Year: 2038					
01/01/2038	Masonry: Clean & Seal	910-000-0018	01/01/2028	10:00	\$ 1,322.14
					1,322.14
Year: 2039					
01/01/2039	Arborist: Tree Work	910-000-0001	01/01/2034	5:00	\$ 4,052.54
01/01/2039	Asphalt Drive: Stripe & Seal	910-000-0003	01/01/2033	6:00	23,126.47
01/01/2039	Fence: 5' Wood: Stain	910-000-0029	01/01/2033	6:00	8,492.09
01/01/2039	Power Wash: Exterior	910-000-0025	01/01/2034	5:00	13,508.45
					49,179.55



Date	Component	Code	Service Date	Estimated Life	Expenditure
	Component	Code			Expenditure
Year: 2041					
01/01/2041	Building Enclosure Assessment	910-000-0004	01/01/2036	5:00	\$ 3,525.36
					3,525.36
Year: 2042					
01/01/2042	Asphalt Path: Overlay	910-000-0028	01/01/2002	40:00	\$ 5,021.06
01/01/2042	Landscape: Bark Dust	910-000-0024	01/01/2037	5:00	28,815.26
01/01/2042	Siding: Vinyl: Exterior Building Repairs	910-000-0030	01/01/2027	15:00	43,222.90
					77,059.22
Year: 2044					
01/01/2044	Arborist: Tree Work	910-000-0001	01/01/2039	5:00	\$ 4,512.03
01/01/2044	Landscape: Renovation	910-000-0023	01/01/2034	10:00	18,048.11
01/01/2044	Power Wash: Exterior	910-000-0025	01/01/2039	5:00	15,040.09
					37,600.23
Year: 2045					
01/01/2045	Asphalt Drive: Stripe & Seal	910-000-0003	01/01/2039	6:00	\$ 26,307.72
01/01/2045	Asphalt Path: Seal	910-000-0027	01/01/2037	8:00	2,285.79
01/01/2045	Fence: 5' Wood: Replace	910-000-0022	01/01/2030	15:00	118,069.75
01/01/2045	Fence: 5' Wood: Stain	910-000-0029	01/01/2039	6:00	9,660.25
					156,323.51
Year: 2046					
01/01/2046	Building Enclosure Assessment	910-000-0004	01/01/2041	5:00	\$ 3,925.08
					3,925.08
Year: 2047					
01/01/2047	Landscape: Bark Dust	910-000-0024	01/01/2042	5:00	\$ 32,082.45
	Paint & Sealant: Siding, Trim, Railings	910-000-0012	01/01/2037	10:00	129,816.25
01/01/2047	Siding: Fiber Cement: Repair 2%	910-000-0016	01/01/2037	10:00	16,078.12
					177,976.82
Year: 2048					
01/01/2048	Masonry: Clean & Seal	910-000-0018	01/01/2038	10:00	\$ 1,638.95
					1,638.95
Year: 2049					
01/01/2049	Arborist: Tree Work	910-000-0001	01/01/2044	5:00	\$ 5,023.62
01/01/2049	Power Wash: Exterior	910-000-0025	01/01/2044	5:00	16,745.40
					21,769.02



Year : 2050				Service	Estimated	
01/01/2050 Roof: Composition Asphalt Shingles 920-001-0015 01/01/2025 25:00 263,244 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 263,244 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 50,05 01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,66 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2051 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2051 Suilding Enclosure Assessment 910-000-0003 01/01/2045 6:00 5.29,92 01/01/2051 Suilding Enclosure Assessment 910-000-0004 01/01/2045 6:00 4,37 01/01/2051 Suilding Enclosure Assessment 910-000-0004 01/01/2045 6:00 4,37 01/01/2051 Suilding: Fiber Cement: Replace 910-000-0005 01/01/2045 6:00 10,38 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2047 5:00 35,720 01/01/2053 Asphalt Path: Seal 910-000-0017 01/01/2045 8:00 \$2,305,88 01/01/2054 Arborist: Tree Work 910-000-0017 01/01/2049 5:00 \$5,593 01/01/2054 Arborist: Tree Work 910-000-0023 01/01/2044 10:00 22,37 01/01/2054 Landscape: Renovation 910-000-0025 01/01/2049 5:00 18,644 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	Date	Component	Code	Date	Life	Expenditure
01/01/2050 Roof: Composition Asphalt Shingles 920-001-0015 01/01/2025 25:00 263,244 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 263,244 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 50,05 01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,66 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95 01/01/2051 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95 01/01/2051 Suilding Enclosure Assessment 910-000-0003 01/01/2045 6:00 5.29,92 01/01/2051 Suilding Enclosure Assessment 910-000-0004 01/01/2045 6:00 6.00 4.37 01/01/2051 Suilding Enclosure Assessment 910-000-0005 01/01/2045 6:00 6.00 4.37 01/01/2051 Suilding Enclosure Assessment 910-000-0005 01/01/2045 6:00 6.00 749,47 01/01/2051 Suilding Enclosure Assessment 910-000-0004 01/01/2047 5:00 5.00 01/01/2052 Suilding: Fiber Cement: Replace 910-000-0017 01/01/2047 5:00 5.23,23 01/01/2052 Suilding: Vinyl: Replace 910-000-0017 01/01/2045 8:00 5.2714 01/01/2054 Suilding: Vinyl: Replace 910-000-0017 01/01/2045 8:00 5.2714 01/01/2054 Arborist: Tree Work 910-000-0023 01/01/2044 10:00 22,37,14 01/01/2054 Arborist: Tree Work 910-000-0023 01/01/2049 5:00 5.593 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	Year: 2050					
01/01/2050 Roof: Composition Asphalt Shingles 920-002-0015 01/01/2025 25:00 263,244 01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 316,580 01/01/2050 Roof: Composition Asphalt Shingles 920-004-0015 01/01/2025 25:00 258,08 01/01/2050 Roof: Composition Asphalt Shingles 920-005-0015 01/01/2025 25:00 156,57: 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 50,05: 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 38,66: 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,66: 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2051 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2051 Roof: Gutters & Seal 910-000-0003 01/01/2045 6:00 \$29,920 01/01/2051 Roof: Gutters & Seal 910-000-0003 01/01/2045 6:00 \$29,920 01/01/2051 Roof: Gutters & Seal 910-000-0005 01/01/2045 6:00 10,980 01/01/2051 Roof: Fiber Cement: Replace 910-000-0005 01/01/2045 6:00 10,980 01/01/2051 Roof: Gutters & Pound Stain 910-000-0005 01/01/2045 6:00 10,980 01/01/2052 Roof: Gutters & Pound Stain 910-000-0005 01/01/2047 5:00 35,720 01/01/2052 Roof: Gutters & Pound Stain 910-000-0017 01/01/2047 5:00 35,720 01/01/2052 Roof: Gutters & Pound Stain 910-000-0007 01/01/2045 8:00 \$2,271 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331 \$2,285,331			920-001-0015	01/01/2025	25:00	\$ 273,569.95
01/01/2050 Roof: Composition Asphalt Shingles 920-003-0015 01/01/2025 25:00 316,584 01/01/2050 Roof: Composition Asphalt Shingles 920-004-0015 01/01/2025 25:00 258,084 01/01/2050 Roof: Composition Asphalt Shingles 920-005-0015 01/01/2025 25:00 156,575 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 38,665 01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,665 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,955 01/01/2051 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,955 01/01/2051 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 23,311 1,465,386	01/01/2050	Roof: Composition Asphalt Shingles	920-002-0015	01/01/2025	25:00	263,246.56
01/01/2050 Roof: Composition Asphalt Shingles 920-004-0015 01/01/2025 25:00 258,084 01/01/2050 Roof: Composition Asphalt Shingles 920-005-0015 01/01/2025 25:00 156,57: 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 38,66: 01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,66: 01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2051 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2051 Pence: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$29,922 01/01/2051 Fence: Stripe & Seal 910-000-0004 01/01/2045 6:00 4,370 01/01/2051 Fence: Stripe & Seal 910-000-0005 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,476: 794,76:		-	920-003-0015	01/01/2025	25:00	316,584.10
01/01/2050 Roof: Composition Asphalt Shingles 920-005-0015 01/01/2025 25:00 156,57: 01/01/2050 Roof: Gutters & Downspouts 920-001-0008 01/01/2025 25:00 50,05- 01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,66: 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 46,33: 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2051 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 38,95: 01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$29,926 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,371 01/01/2051 Fence: 5' Wood: Stain 910-000-0009 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,476 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0005 01/01/2007 25:00 35,720 01/01/2052 Isrigation: Major Repairs 910-000-0010 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,586 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$2,714 2,714 Year: 2053 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0027 01/01/2049 5:00 \$5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2049 5:00 \$5,593 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	01/01/2050		920-004-0015	01/01/2025	25:00	258,084.86
01/01/2050 Roof: Gutters & Downspouts 920-002-0008 01/01/2025 25:00 38,666 01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 46,331 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,95: 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 23,311 1,465,386	01/01/2050	Roof: Composition Asphalt Shingles	920-005-0015	01/01/2025	25:00	156,571.48
01/01/2050 Roof: Gutters & Downspouts 920-003-0008 01/01/2025 25:00 46,335 01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 23,315 1,465,386	01/01/2050	Roof: Gutters & Downspouts	920-001-0008	01/01/2025	25:00	50,054.07
01/01/2050 Roof: Gutters & Downspouts 920-004-0008 01/01/2025 25:00 38,955 01/01/2050 Roof: Gutters & Downspouts 920-005-0008 01/01/2025 25:00 23,315 1,465,386 Year: 2051 01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$29,926 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: 5' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,475 794,76: Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,724 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,586 2,528,534	01/01/2050	Roof: Gutters & Downspouts	920-002-0008	01/01/2025	25:00	38,662.04
Year: 2051 23,315 01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$ 29,924 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2045 6:00 \$ 29,924 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: S' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,475 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2004 5:00 \$ 2,714 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054	01/01/2050	Roof: Gutters & Downspouts	920-003-0008	01/01/2025	25:00	46,335.43
Year: 2051 01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$ 29,924 01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0004 01/01/2045 6:00 \$ 29,924 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: S' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,475 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 \$ 2,714 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 A	01/01/2050	Roof: Gutters & Downspouts	920-004-0008	01/01/2025	25:00	38,957.17
Year: 2051 01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$ 29,926 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: 5' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,476 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372	01/01/2050	Roof: Gutters & Downspouts	920-005-0008	01/01/2025	25:00	23,315.28
01/01/2051 Asphalt Drive: Stripe & Seal 910-000-0003 01/01/2045 6:00 \$29,926 01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: 5' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,476 794,765 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,726 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,586 2,528,534 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$2,714 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,375 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644						1,465,380.94
01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: 5' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,478 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 <td>Year: 2051</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Year: 2051					
01/01/2051 Building Enclosure Assessment 910-000-0004 01/01/2046 5:00 4,376 01/01/2051 Fence: 5' Wood: Stain 910-000-0029 01/01/2045 6:00 10,985 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,475 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 <td>01/01/2051</td> <td>Asphalt Drive: Stripe & Seal</td> <td>910-000-0003</td> <td>01/01/2045</td> <td>6:00</td> <td>\$ 29,926.58</td>	01/01/2051	Asphalt Drive: Stripe & Seal	910-000-0003	01/01/2045	6:00	\$ 29,926.58
01/01/2051 Fence: 5' Wood: Stain 910-000-0029 01/01/2045 6:00 10,988 01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,478 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644		· ·				4,370.12
01/01/2051 Siding: Fiber Cement: Replace 910-000-0005 01/01/2001 50:00 749,475 Year: 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644		•				10,989.10
Year : 2052 01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 2,528,534 Year : 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 2,714 Year : 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644		Siding: Fiber Cement: Replace				749,475.65
01/01/2052 Irrigation: Major Repairs 910-000-0010 01/01/2027 25:00 \$ 123,234 01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644						794,761.45
01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	Year: 2052					
01/01/2052 Landscape: Bark Dust 910-000-0024 01/01/2047 5:00 35,720 01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	01/01/2052	Irrigation: Major Repairs	910-000-0010	01/01/2027	25:00	\$ 123,234.26
01/01/2052 Siding: Vinyl: Replace 910-000-0017 01/01/2002 50:00 2,369,580 Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644		, ,			5:00	35,720.08
Year: 2053 01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$2,714 Year: 2054 01/01/2054 Arborist: Tree Work 01/01/2054 Landscape: Renovation 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644		·	910-000-0017		50:00	2,369,580.49
01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$ 2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	, ,	0 , 1		, ,		2,528,534.83
01/01/2053 Asphalt Path: Seal 910-000-0027 01/01/2045 8:00 \$2,714 Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	Year: 2053					
Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644		Asphalt Path: Seal	910-000-0027	01/01/2045	8.00	\$ 2 71 <i>1</i> 1 37
Year: 2054 01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644	01/01/2033	Aspiral Fath. Seal	310 000 0027	01/01/2043		2,714.37
01/01/2054 Arborist: Tree Work 910-000-0001 01/01/2049 5:00 \$ 5,593 01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,373 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644						2,714.37
01/01/2054 Landscape: Renovation 910-000-0023 01/01/2044 10:00 22,372 01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644						
01/01/2054 Power Wash: Exterior 910-000-0025 01/01/2049 5:00 18,644						\$ 5,593.22
						22,372.86
46,610	01/01/2054	Power Wash: Exterior	910-000-0025	01/01/2049	5:00	18,644.05
						46,610.13



Category	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Balcony & Porch										
Railings: Wood: Replace								7,252		
	0	0	0	0	0	0	0	7,252	0	0
Contingencies										
Insurance Deductible: Contingency	10,000									
	10,000	0	0	0	0	0	0	0	0	0
Fencing										
Fence: 5' Wood: Replace						85,547				
Fence: 5' Wood: Stain			6,562						7,465	
	0	0	6,562	0	0	85,547	0	0	7,465	0
Pavement										
Asphalt Drive: Stripe & Seal			17,872						20,330	
Asphalt Path: Seal					1,621					
	0	0	17,872	0	1,621	0	0	0	20,330	0
Roof										
Roof: 2025 Rehab	1,128,812									
	1,128,812	0	0	0	0	0	0	0	0	0
Services										
Building Enclosure Assessment		2,554					2,844			
Power Wash: Exterior					10,897					12,133
	0	2,554	0	0	10,897	0	2,844	0	0	12,133
Siding										
Masonry: Clean & Seal				1,067						
Masonry: Tuck Point								2,906		
Paint & Sealant: Siding, Trim, Railings			84,479							
Siding: Fiber Cement: Repair 2%			10,463							
Siding: Vinyl: Exterior Building Repairs			31,317							
	0	0	126,259	1,067	0	0	0	2,906	0	0



2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
				3,269					3,640
					2,783				
		72,029							
		20,878					23,245		
									14,559
							8,717		
0	0	92,907	0	3,269	2,783	0	31,962	0	18,199
1,138,812	2,554	243,600	1,067	15,787	88,330	2,844	42,120	27,795	30,332
	0	0 0	72,029 20,878 0 0 92,907	72,029 20,878 0 0 92,907 0	3,269 72,029 20,878 0 0 92,907 0 3,269	3,269 2,783 72,029 20,878 0 0 92,907 0 3,269 2,783	3,269 2,783 72,029 20,878 0 0 92,907 0 3,269 2,783 0	3,269 2,783 72,029 20,878 23,245 8,717 0 0 92,907 0 3,269 2,783 0 31,962	3,269 2,783 72,029 20,878 23,245 8,717 0 0 92,907 0 3,269 2,783 0 31,962 0



Category	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Fencing										
Fence: 5' Wood: Stain					8,492					
Fence: Picket: Replace	5,423									
_	5,423	0	0	0	8,492	0	0	0	0	0
Pavement										
Asphalt Drive: Overlay			56,770							
Asphalt Drive: Stripe & Seal					23,126					
Asphalt Path: Overlay								5,021		
Asphalt Path: Seal			1,925							
-	0	0	58,694	0	23,126	0	0	5,021	0	0
Services										
Building Enclosure Assessment		3,166					3,525			
Power Wash: Exterior					13,508					15,040
-	0	3,166	0	0	13,508	0	3,525	0	0	15,040
Siding										
Masonry: Clean & Seal				1,322						
Paint & Sealant: Siding, Trim, Railings			104,722							
Siding: Fiber Cement: Repair 2%			12,970							
Siding: Vinyl: Exterior Building Repairs								43,223		
_	0	0	117,692	1,322	0	0	0	43,223	0	0
Site										
Arborist: Tree Work					4,053					4,512
Landscape: Bark Dust			25,881					28,815		
Landscape: Renovation										18,048
-	0	0	25,881	0	4,053	0	0	28,815	0	22,560
_	5,423	3,166	202,268	1,322	49,180	0	3,525	77,059	0	37,600



Category	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054
Fencing										
Fence: 5' Wood: Replace	118,070									
Fence: 5' Wood: Stain	9,660						10,989			
	127,730	0	0	0	0	0	10,989	0	0	0
Pavement										
Asphalt Drive: Stripe & Seal	26,308						29,927			
Asphalt Path: Seal	2,286								2,714	
	28,594	0	0	0	0	0	29,927	0	2,714	0
Roof										
Roof: Composition Asphalt Shingles						1,268,057				
Roof: Gutters & Downspouts						197,324				
	0	0	0	0	0	1,465,381	0	0	0	0
Services										
Building Enclosure Assessment		3,925					4,370			
Power Wash: Exterior					16,745					18,644
	0	3,925	0	0	16,745	0	4,370	0	0	18,644
Siding										
Masonry: Clean & Seal				1,639						
Paint & Sealant: Siding, Trim, Railings			129,816							
Siding: Fiber Cement: Repair 2%			16,078							
Siding: Fiber Cement: Replace							749,476			
Siding: Vinyl: Replace								2,369,580		
	0	0	145,894	1,639	0	0	749,476	2,369,580	0	0
Site										
Arborist: Tree Work					5,024					5,593
Irrigation: Major Repairs								123,234		
Landscape: Bark Dust			32,082					35,720		22.272
Landscape: Renovation										22,373
	0	0	32,082	0	5,024	0	0	158,954	0	27,966



Category	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054
	156,324	3,925	177,977	1,639	21,769	1,465,381	794,761	2,528,535	2,714	46,610



COMPONENT LIST - FULL DETAIL

LF

Railings: Wood: Replace

Item Number 14

Type Common Area
Category Balcony & Porch
Measurement Basis

Estimated Useful Life 30 Years
Basis Cost \$ 78.00

Tracking Logistical Method Adjusted



Code	Desc.	Service Date	Replace Date	Rem Life	Adj Life	Quantity	Current Cost	Future Cost
910-000-0014		01/01/2002	01/01/2032	7:00	30:00	80	6,240.00	7,252.49
							6,240.00	7,252.49

Comments

Funding for replacement of the exterior railings.



Insurance Deductible: Contingency

Item Number 9

Type Common Area
Category Contingencies

Measurement BasisAllowEstimated Useful Life1 YearBasis Cost\$ 10,000.00

Tracking Logistical Method One Time

		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-00	09		01/01/2025	0:00	1:00	1	10,000.00	10,000.00
							10,000.00	10,000.00
Commen	ts							

Funding contingency to pay the Association's insurance deductible, if needed.



Fence: 5' Wood: Replace

Item Number 22

Type Common Area

Category Fencing

Measurement BasisLFEstimated Useful Life15 YearsBasis Cost\$ 55.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-00)22	01/01/2015	01/01/2030	5:00	15:00	1,397	76,835.00	85,546.84
							76,835.00	85,546.84
Commen	its							



Fence: 5' Wood: Stain

Item Number 29

Type Common Area

Category Fencing

Measurement BasisLFEstimated Useful Life6 YearsBasis Cost\$ 4.50

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0029		01/01/2021	01/01/2027	2:00	6:00	1,397	6,286.50	6,562.46
							6,286.50	6,562.46
Comments								



Fence: Picket: Replace

Item Number 26

Type Common Area

Category Fencing

Measurement BasisLFEstimated Useful Life25 YearsBasis Cost\$ 17.50

Tracking Logistical Method Adjusted



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0026		01/01/2002	01/01/2035	10:00	33:00	250	4,375.00	5,423.35
							4,375.00	5,423.35
Comments								



Asphalt Drive: Overlay

Item Number 2

Type Common Area
Category Pavement

Measurement BasisSFEstimated Useful Life35 YearsBasis Cost\$ 0.82

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0002	2	01/01/2002	01/01/2037	12:00	35:00	53,500	43,870.00	56,769.54
						_	43,870.00	56,769.54
Comments	1							



Asphalt Drive: Stripe & Seal

Item Number 3

Type Common Area
Category Pavement

Measurement BasisSFEstimated Useful Life6 YearsBasis Cost\$ 0.32

Tracking Logistical Method Fixed



Code	Daga	Service	Replace	Rem Life	Adj Life	Overtitus	Current	Future
910-000-0003	Desc.	Date 01/01/2021	Date 01/01/2027	2:00	6:00	Quantity 53,500	17,120.00	17,871.53
310 000 0003		01/01/2021	01/01/2027	2.00	0.00	33,300	17,120.00	17,871.53

Comments

Funding for minor asphalt crack repair, application of asphalt sealer, and striping of asphalt to match existing.



Asphalt Path: Overlay

Item Number 28

Type Common Area
Category Pavement

Measurement BasisSFEstimated Useful Life40 YearsBasis Cost\$ 0.82

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0028		01/01/2002	01/01/2042	17:00	40:00	4,250	3,485.00	5,021.06
							3,485.00	5,021.06
Comments								



Asphalt Path: Seal

Item Number 27

Type Common Area
Category Pavement

Measurement BasisSFEstimated Useful Life8 YearsBasis Cost\$ 0.35

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0027		01/01/2021	01/01/2029	4:00	8:00	4,250	1,487.50	1,620.96
							1,487.50	1,620.96
Comments								



Roof: 2025 Rehab

Item Number 31

Type Common Area

Category Roof

Measurement BasisLsumEstimated Useful Life1 YearBasis Cost\$ 1,128,812.03

Tracking Logistical Method One Time

		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0031			01/01/2025	0:00	1:00	1	1,128,812.03	1,128,812.03
							1,128,812.03	1,128,812.03

Comments

Funding for a one-time planned roof replacement project. Scope and cost based on a bid furnished by Aylwin Construction LLC dated 10.03.2023.

Included in this scope is roof assembly replacement, gutters & downspouts replacement, 10% roof sheathing, 200LF of barge boards per building, 500 SF of vinyl siding repair per building, attic repairs, and mobilization costs.

This study provides funding for future replacement of these individual components based on these numbers, each of which are assumed to be replaced in 2025.



Roof: Composition Asphalt Shingles

Item Number 15

Type Common Area

Category Roof

Measurement BasisSqEstimated Useful Life25 YearsBasis Cost\$ 1,005.65

Tracking Logistical Method Adjusted



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
920-001-0015	Phase 0	01/01/2025	01/01/2050	25:00	25:00	159	159,898.35	273,569.95
920-002-0015	Phase 1	01/01/2025	01/01/2050	25:00	25:00	153	153,864.45	263,246.56
920-003-0015	Phase 2	01/01/2025	01/01/2050	25:00	25:00	184	185,039.60	316,584.10
920-004-0015	Phase 3	01/01/2025	01/01/2050	25:00	25:00	150	150,847.50	258,084.86
920-005-0015	Phase 4	01/01/2025	01/01/2050	25:00	25:00	91	91,514.15	156,571.48
						-	741,164.05	1,268,056.95

Comments

Funding for replacement of the composition asphalt shingles, including associated underlayments, flashings, and penetrations.

This reserve study assumes the roofs will be replaced in 2025 as part of a larger project that includes potential exterior vinyl repairs, gutters and downspouts, general conditions and other allowances.

This line item provides funding for future replacement of the following:

General Conditions \$45,981
Composition shingle roof assembly \$510,900
Permits (3% of base) \$16,707
General Contingency (10% of base) \$55,576

- 200 LF barge board replacement per building- 10% roof sheathing replacement\$93,000\$19,000

Total \$741,164 Total Squares - 737

Per Square average price overall - \$1005.65



Roof: Gutters & Downspouts

Item Number 8

Type Common Area

Category Roof

Measurement BasisLFEstimated Useful Life25 YearsBasis Cost\$ 11.50

Tracking Logistical Method Adjusted



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
920-001-0008	Phase 0	01/01/2025	01/01/2050	25:00	25:00	2,544	29,256.00	50,054.07
920-002-0008	Phase 1	01/01/2025	01/01/2050	25:00	25:00	1,965	22,597.50	38,662.04
920-003-0008	Phase 2	01/01/2025	01/01/2050	25:00	25:00	2,355	27,082.50	46,335.43
920-004-0008	Phase 3	01/01/2025	01/01/2050	25:00	25:00	1,980	22,770.00	38,957.17
920-005-0008	Phase 4	01/01/2025	01/01/2050	25:00	25:00	1,185	13,627.50	23,315.28
							115,333.50	197,323.99

Comments

Funding for total replacement of the gutters and downspouts.

This reserve study assumes the gutters and downspouts will be replaced in 2025 as part of a larger roof replacement project. This funding provides funding for the next future replacement.



Building Enclosure Assessment

Item Number

Type Common Area

Category Services

Measurement BasisAllowEstimated Useful Life5 YearsBasis Cost\$ 2,500.00

Tracking Logistical Method Fixed

		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0004	1	01/01/2021	01/01/2026	1:00	5:00	1	2,500.00	2,554.28
							2,500.00	2,554.28

Comments

Funding to for a qualified waterproofing consultant to perform a Visual Building Enclosure Condition Assessment (VBECA) to identify potential deficiencies in the exterior building assemblies. Recommended to be performed every 3 to 5 years depending on overall condition of the building.



Power Wash: Exterior

Item Number 25

Type Common Area

Category Services

Measurement BasisAllowEstimated Useful Life5 YearsBasis Cost\$ 10,000.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-002	5	01/01/2024	01/01/2029	4:00	5:00	1	10,000.00	10,897.22
						_	10,000.00	10,897.22
Comment	S							



Masonry: Clean & Seal

Item Number 18

Type Common Area

Category Siding

Measurement BasisAllowEstimated Useful Life10 YearsBasis Cost\$ 1,000.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0018	3	01/01/2018	01/01/2028	3:00	10:00	1	1,000.00	1,066.56
							1,000.00	1,066.56
Comments	;							



Masonry: Tuck Point

Item Number 20

Type Common Area

Category Siding

Measurement BasisAllowEstimated Useful Life30 YearsBasis Cost\$ 2,500.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0020		01/01/2002	01/01/2032	7:00	30:00	1	2,500.00	2,905.65
							2,500.00	2,905.65
Comments								



Paint & Sealant: Siding, Trim, Railings

Item Number 12

Type Common Area

Category Siding

Measurement BasisSFEstimated Useful Life10 YearsBasis Cost\$ 3.15

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0012		01/01/2017	01/01/2027	2:00	10:00	25,691	80,926.65	84,479.15
						_	80,926.65	84,479.15
Comments								

Funding for exterior sealant repair as needed and full exterior paint.



Siding: Fiber Cement: Repair 2%

Item Number 16

Type Common Area

Category Siding

Measurement BasisSFEstimated Useful Life10 YearsBasis Cost\$ 19.50

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-001	6	01/01/2017	01/01/2027	2:00	10:00	514	10,023.00	10,462.99
						_	10,023.00	10,462.99
Comment	s							

Funding for repairs to the exterior fiber cement siding.



Siding: Fiber Cement: Replace

Item Number 5

Type Common Area

Category Siding

Measurement BasisSFEstimated Useful Life50 YearsBasis Cost\$ 17.50

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0005		01/01/2001	01/01/2051	26:00	50:00	24,500	428,750.00	749,475.65
							428,750.00	749,475.65

Comments

Funding for replacement of the fiber cement plank lap cladding and trim, including associated WRB and flashings.



Siding: Vinyl: Exterior Building Repairs

Item Number 30

Type Common Area

Category Siding

Measurement BasisAllowEstimated Useful Life15 YearsBasis Cost\$ 30,000.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0030		01/01/2012	01/01/2027	2:00	15:00	1	30,000.00	31,316.93
							30,000.00	31,316.93

Comments

Funding for repairs to the exterior of the vinyl clad buildings. Estimated at approximately 2% of total area every 15 years. This funding is intended to be used for repairs to any exterior building damage related to the vinyl clad buildings.

Funding for repairs to the fiber cement plank lap clad buildings is provided in 'Siding: Fiber Cement: Repair 2%

This funding line assumes repairs will be completed in 2025 as part of a larger roof replacement project and provides funds for future repairs.



Siding: Vinyl: Replace

Item Number 17

Type Common Area

Category Siding

Measurement BasisSFEstimated Useful Life50 YearsBasis Cost\$ 14.50

Tracking Logistical Method Adjusted



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0017		01/01/2002	01/01/2052	27:00	50:00	91,500	1,326,750.00	2,369,580.49
							1,326,750.00	2,369,580.49

Comments

Funding for replacement of the vinyl siding, including associated weather barrier and flashings



Arborist: Tree Work

Item Number 1

Type Common Area

Category Site

Measurement BasisAllowEstimated Useful Life5 YearsBasis Cost\$ 3,000.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0001		01/01/2024	01/01/2029	4:00	5:00	1	3,000.00	3,269.17
							3,000.00	3,269.17

Comments

Funding for periodic major trimming and/or tree removal and replacement, as needed.



Entry Monument

Item Number 21

Type Common Area

Category Site

Measurement BasisAllowEstimated Useful Life20 YearsBasis Cost\$ 2,500.00

Tracking Logistical Method Adjusted



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-002	1	01/01/2002	01/01/2030	5:00	28:00	1	2,500.00	2,783.46
							2,500.00	2,783.46
Comments	S							



Irrigation: Major Repairs

Item Number 10

Type Common Area

Category Site

Measurement BasisZoneEstimated Useful Life25 YearsBasis Cost\$ 750.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0010		01/01/2002	01/01/2027	2:00	25:00	92	69,000.00	72,028.94
							69,000.00	72,028.94

Comments

Funding for major repair or replacement of the in-ground irrigation system components.

Estimated to be 2 Zones per lot.



Landscape: Bark Dust

Item Number 24

Type Common Area

Category Site

Measurement BasisAllowEstimated Useful Life5 YearsBasis Cost\$ 20,000.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-002	4	01/01/2022	01/01/2027	2:00	5:00	1	20,000.00	20,877.95
						•	20,000.00	20,877.95
Comment	s							

Funding for refreshing the common area barkdust, where needed.



Landscape: Renovation

Item Number 23

Type Common Area

Category Site

Measurement BasisAllowEstimated Useful Life10 YearsBasis Cost\$ 12,000.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0023		01/01/2024	01/01/2034	9:00	10:00	1	12,000.00	14,559.35
							12,000.00	14,559.35
Comments								

Funding for major landscaping work not typically included in the regular operating budget. Scope to be determined by the Association.



Mailbox Clusters

Item Number 11

Type Common Area

Category Site

Measurement BasisAllowEstimated Useful Life30 YearsBasis Cost\$ 2,500.00

Tracking Logistical Method Fixed



		Service	Replace	Rem	Adj		Current	Future
Code	Desc.	Date	Date	Life	Life	Quantity	Cost	Cost
910-000-0011		01/01/2002	01/01/2032	7:00	30:00	3	7,500.00	8,716.94
						_	7,500.00	8,716.94
Comments								

Funding for replacement of the mailbox cluster.



APPENDIX A MAINTENANCE SCHEDULE



MAINTENANCE SCHEDULE

The following recommendations are intended to provide easy-to-follow guidelines for the Association to follow regarding the maintenance and preservation of the Association's common elements. They are based on industry standard best practices, refined by Forensic experience.

Each component is unique, and is subject to unique conditions, which may require an accelerated maintenance, renewal, or replacement schedule. The Association should inspect and replace these components as needed.

The Association should contact their community manager and/or maintenance manager if they discover or believe there to be water leakage or premature deterioration of a component or assembly.

COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
BUILDING APPURTENANCE	S	
Decks and Railings	Inspect for debris build-up and organic growth. Debris retains moisture, which accelerates decay and water damage, and buildup hides repair needs. Clean deck and railing surfaces appropriate	Semi-annually (spring and fall)
Deck Surfaces	Deck surfaces should be inspected after cleaning. On waterproof deck coatings, look for peeling or worn areas. Deck coatings often require maintenance every few years to maintain their effectiveness. On wood surfaces, look for deteriorated finish coat and decay. On concrete, look for cracks and erosion.	Annually (spring)
Deck Framing	Deck framing should be inspected for decay, particularly under treads, at bases in contact with the ground, and other areas where moisture can accumulate. Older buildings often have framing that would not meet modern standards, so maintaining existing components can save expensive replacements which must meet modern building codes.	Bi-Annually (spring)
Decks and Railings	Inspect for loose, missing, or cracked components, decay, and trip hazards. Note that older railings are unlikely to meet modern standards for safe height and infill spacing, so maintenance is even more important.	Annually (spring)
Metal Railings	Inspect metal components for rust or paint failure. Clean rust and loose material from metal using wire brush, dust cloth, and vacuum. Refinishing is generally needed periodically to prevent corrosion, particularly in wetter climates. A qualified contractor should be retained to refinish railings properly for anything more than minor repairs and touchups.	Annually (spring)



COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
EXTERIOR SEALANTS AND	FINISHES	
Exterior Finish Paint	Inspect for cracking, peeling, blistering, or other evidence of paint failure. Prep and clean loose material from wall surface using a dust cloth and vacuum. Apply compatible touch-up paint to entire wall surface in between architectural breaks (corner to corner or joint to joint). Spray and back-roll paint using a low-pressure sprayer (30-50 psi) with a 50 fan-shaped tip. Brush trims, edges, and protruding surfaces.	Annually (fall)
	Always test an inconspicuous surface first to confirm color matching of new finishes to existing finishes. Protect adjacent building components and landscaping that may be damaged by paint overspray.	
Exterior Sealant Joints	At all windows, doors, garage doors, decks, balconies, railings, scuppers, wall penetrations, siding to trim junctions, and other building exterior dynamic and static sealant joints: Inspect for sealant failure (open voids) or degradation ("chalking" or cracking). Re-seal "pinhole" sealant failure areas with compatible sealant materials.	Semi-annually (spring and fall)
Exterior Sealant Joints	At more extensive areas of sealant failure or degradation, remove existing sealant and clean debris and loose material from joint using a wire brush, dust cloth, and vacuum. Install new sealant that is compatible with adjacent materials (Sonolastic 750 VLM by Sonneborn is recommended). Sealant joints should be dimensioned, installed, and tooled per ASTM C1193 specifications. Dynamic sealant joints featuring a closed-cell backer rod should be installed between dissimilar materials per ASTM E2112 specifications. Despite industry standards and manufacturer	
	instructions, contractors frequently fail to properly dimension and construct dynamic sealant joints, which often leads to premature adhesion failure which can allow water infiltration. Regularly monitor sealant repair areas for recurrence of failure, degradation, or staining.	
Exterior Sealant Joints (temporary)	Remove and replace temporary sealant joint applications (installed during winter) as necessary.	Annually (spring)



COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
Fluid-Applied Traffic Coatings	Inspect for cracking, peeling, blistering, or other evidence of failure. Consult and follow manufacturer instructions for inspection and maintenance schedules. Warranties often depend on adhering to the reapplication schedule.	Annually (fall)
EXTERIOR WALLS		
Electrical Outlets	Inspect for damaged covers and loose receptacles Test ground fault circuit interrupters and reset.	Semi-annually (spring and fall)
Exterior Lighting Fixtures	Inspect for operability and electrical shorts. Replace lamps as necessary.	Semi-annually (summer and winter)
Wall Penetrations	Inspect wall penetration seals and gaskets for cracks or damage and repair or replace as needed. For any repair involving electrical connections, a licensed electrician should be used.	Semi-annually (spring and fall)
Exterior Walls (General)	Inspect exterior wall surfaces for organic growth or graffiti. Clean wall surfaces as necessary with a compatible granulated soap/mild detergent applied using a low-pressure sprayer (30-50 psi) with a 50 fan-shaped tip. Never use muriatic acid or petroleum-based cleaners or solvents.	Semi-annually (spring and fall)
	Scrub problematic wall surfaces vigorously with a stiff bristle brush (do not use a wire brush) and rinse thoroughly using a garden hose or low-pressure sprayer (200-300 psi) with a 25 - 50 fan-shaped tip. Do not allow cleaning solution to dry on building components.	
	Always test an inconspicuous surface first to confirm the effect that scrubbing and application of cleaning solution will have on various building components. Protect adjacent building components and landscaping that may be damaged by cleaning solution.	
Exterior Wall Surfaces	Inspect exterior wall surfaces for damaged, loose, or missing components, decay, storm damage, or other weather-resistance deficiencies.	Semi-annually (spring and fall)
Finish coats	Finish coat maintenance is important to preserving the weather – resistance and value of exterior surfaces. Repainting of exterior walls should be scheduled to occur after exterior cleaning and repairs and after maintenance of sealants.	



		INCOLED COLOTIONS
COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
Interior Surfaces	Inspect accessible interior surfaces for microbial growth, moisture staining, or evidence of water leakage to the interior. Regularly monitor locations that exhibit wetness/dampness, color differences, swelling/warping, blistering/cracking, abnormal odors, or failure of previous repairs.	Semi-annually (spring and fall)
Building Enclosure Condition Assessment	Have a building enclosure condition assessment conducted to identify problems and develop solutions.	Bi-annually
Animals	Inspect exterior wall surfaces for presence of bird or insect nests.	Semi-annually (spring and fall)
Foundations	Inspect for cracking, spalling, settlement, or damage caused by salt/de-icing chemicals. Patch or repair as necessary, following American Concrete Institute (ACI) concrete repair protocol. Regularly monitor concrete repair areas for recurrence of cracking or spalling. Ensure all crawlspace vents are kept open all year-round.	Annually (spring)
Hose Bibs	Inspect all vent screens for openings that could allow rodent access and repair as needed. Disconnect hoses and drain hose bibs when not in use and prior to winter weather. Winterize hose bibs as necessary in advance of freezing temperatures.	Annually (fall)
COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
FENESTRATION UNITS		
Windows and Doors (General)	Inspect weather stripping for continuity and air leakage. Replace if worn.	Annually (fall)
Glazing	Inspect for missing, cracked, or broken glazing components, or other damage to window or door unit, including evidence of forced entry. Have repairs done by qualified contractor.	Annually (fall)
Hardware	Inspect window and door hardware for operability and closer adjustment. Lubricate operable window and door hinges.	Annually (spring)
Interior Surfaces	Inspect interior surfaces for microbial growth, moisture staining, or evidence of water leakage to the interior.	Semi-annually (spring and fall)
Exterior Surfaces	Clean exterior surfaces with compatible cleaning solution.	Semi-annually (spring and fall)
Window Screens	Repair holes in window screens and wash screens with compatible cleaning solution.	Annually (spring)
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COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
ROOFS		
Exhaust Vents	Inspect for proper operation of dampers or louvers, blockage by debris, or evidence of birds/rodents. Clean exhaust vents and screens as necessary.	Monthly
Gutters and Downspouts	Inspect for debris build-up and organic growth. Clean gutters and downspouts as necessary.	Semi-annually (spring and fall)
Gutters and Downspouts	Identify and regularly monitor locations affected by recurring debris-build up or standing water.	Semi-annually (spring and fall)
Gutters and Downspouts	Inspect for damaged, loose, or missing components, as well as leaking joints.	Semi-annually (spring and fall)
Roof Surfaces (General)	Inspect roof surfaces for organic growth or debris build-up.	Semi-annually (spring and fall)
	Clean roof surfaces as necessary per roofing manufacturer recommendations. Be careful to avoid water infiltration to roof and wall assemblies while cleaning. Never use muriatic acid or petroleum-based cleaners or solvents.	
	Rinse thoroughly using a garden hose or low-pressure sprayer (200-300 psi) with a 250 - 500 fanshaped tip from above. Do not allow cleaning solution to dry on building components.	
	Always test an inconspicuous surface first to confirm the effect that scrubbing and application of cleaning solution will have on various building components.	
	Protect adjacent building components and landscaping that may be damaged by cleaning solution.	
Roof Surfaces	Inspect roof surfaces for damaged, loose, or missing components, storm damage, or other weather-resistance deficiencies.	Semi-annually (spring and fall)
Roof Surfaces	Inspect roof surfaces for presence of bird or insect nests.	Semi-annually (spring and fall)
SITEWORK		,
Asphalt Paving	Patch all cracks in asphalt greater than 1/4" in width with hot-applied crack sealer.	Annually (spring)
Asphalt Paving	Monitor oil leaks that will disintegrate asphalt. Repair source of leak.	Annually (spring)
Catch Basins and Trench Drains	Inspect for debris build-up and organic growth. Clean catch basins or trench drains regularly. Inspect for positive drainage.	Semi-annually (spring and fall)



COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
Concrete Flatwork	Inspect for debris build-up and organic growth. Clean concrete flatwork surfaces as necessary.	Semi-annually (spring and fall)
Concrete Flatwork	Inspect for cracking, spalling, settlement, trip hazards, or damage caused by salt/de-icing chemicals. Patch or repair as necessary.	Annually (spring)
Fencing and Railings	Inspect metal components for rust or paint failure. Clean rust and loose material from metal using wire brush, dust cloth, and vacuum. Prep and repaint with two coats of compatible rust-inhibiting primer.	Annually (spring)
	Following application of primer and finish, apply compatible clear coat waterproof sealer to areas of work to help prevent additional corrosion.	
Fencing and Railings	Inspect base of wood fence pickets for debris build- up and clearance to soil. Remove debris and modify soil as necessary to maintain adequate clearance.	Semi-annually (spring and fall)
Gates	Inspect metal components for rust or paint failure. Clean rust and loose material from metal using wire brush, dust cloth, and vacuum. Prep and repaint with two coats of compatible rust-inhibiting primer.	Annually (spring)
	Following application of primer and finish, apply compatible clear coat waterproof sealer to areas of work to help prevent additional corrosion.	
Irrigation Systems	Blow out sprinkler lines and inspect backflow devices for operability.	Annually (fall)
Irrigation Systems	Inspect electronic timers for operability and electric shorts.	Annually (spring)
Irrigation Systems	Redirect sprinkler heads away from building surfaces.	Annually (spring)
Landscaping	Inspect soil finish grade for proper drainage away from structure. Fill in low areas as necessary to allow for 5% minimum positive slope away from structure.	Semi-annually (spring and fall)
Landscaping	Inspect soil finish grade for blockage of masonry veneer weep provisions at base of wall locations.	Semi-annually (spring and fall)
Landscaping	Inspect for plants growing on or too close to structure. Trim or remove plants as necessary to maintain minimum 6" clearance to structure.	Semi-annually (spring and fall)
Light Poles	Inspect light poles for operability. Replace lamps as necessary.	Semi-annually (summer and winter)



		EDECLIENCY
COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
Exterior Metal	Inspect metal components for rust or paint failure. Clean rust and loose material from metal using wire brush, dust cloth, and vacuum. Prep and repaint with two coats of compatible rust-inhibiting primer. Following application of primer and finish, apply compatible clear coat waterproof sealer to areas of work to help prevent additional corrosion.	Annually (spring)
Mailboxes	Inspect for loose, missing or cracked components, rot, sharp edges, and other damage. Repair or replace as necessary.	Annually (spring)
Retaining Walls (Masonry)	Inspect wall surfaces for loose or missing masonry units.	Annually (spring)
Retaining Walls	If visual evidence indicates the wall has shifted over time, consult a structural engineer or qualified contractor.	
Masonry	Inspect masonry joints for failed mortar and cracking. Consult a qualified masonry contractor for an estimate of means and costs.	Annually (spring)
Masonry	Inspect masonry surfaces for presence of efflorescent staining. Clean efflorescence from wall surfaces as necessary with solution consisting of 1 part white household vinegar to 5 parts water, applied using a low-pressure sprayer (30-50 psi) with a 50 fan-shaped tip. Never use muriatic acid or petroleum-based cleaners or solvents.	Annually (spring)
	Scrub problematic wall surfaces vigorously with a stiff bristle brush (do not use a wire brush) and rinse thoroughly with clean water using a garden hose or low-pressure sprayer (200-300 psi) with a 25 - 50 fan-shaped tip. Do not allow cleaning solution to dry on building components.	
	Always test an inconspicuous surface first to confirm the effect that scrubbing and application of cleaning solution will have on various building components. Protect adjacent building components and landscaping that may be damaged by cleaning solution.	
Masonry	Avoid use of de-icing chemicals on surfaces immediately adjacent to masonry veneer.	Throughout winter



		moored coestions
COMPONENT	MAINTENANCE ACTION(S) REQUIRED	FREQUENCY
COMMON AREAS		
Deck Furnishings	Inspect for loose, missing, or cracked components, rot, sharp edges, and other damage.	Annually (spring)
Metal	Inspect metal components for rust or paint failure. Clean rust and loose material from metal using wire brush, dust cloth, and vacuum.	Annually (spring)
	Prep and repaint with two coats of compatible rust-inhibiting primer.	
	Following application of primer and finish, apply compatible clear coat waterproof sealer to areas of work to help prevent additional corrosion.	
HVAC Units	Inspect exhaust vent fans for operability, electrical shorts, and debris-build up. Follow all manufacturer instructions for Clean or replace HVAC system filters.	Semi-annually (prior to summer and winter)
Interior Walls and Ceilings	Inspect for microbial growth, moisture-staining, holes, cracking, graffiti, or other damage. Regularly monitor locations that exhibit wetness/dampness, color differences, swelling/warping, blistering/cracking, abnormal odors, or failure of previous repairs. Have a building enclosure condition assessment conducted by a consultant to identify problems and develop solutions.	Annually (summer)
Interior Furnishings	Inspect for loose, missing, or cracked components, sharp edges, and other damage. Repair or replace as needed.	Annually (summer)
Interior Lighting Fixtures	Inspect for operability and electrical shorts. Replace lamps as necessary.	
Water Heaters	Consult manufacturer service guide for the unit for required maintenance schedules.	Year-round
	Gas: Monitor for any signs of restricted exhaust venting, particularly when other appliances are operating. Ensure CO monitors are in place and operational by testing as indicated by manufacturer. Heat-Pump: Air filters generally must be cleaned every two weeks for maximum efficiency. Condensate must be properly routed to a secondary drain.	
Water Heaters	Ensure Temperature-Pressure Relief Valve is not releasing liquid (sign of failure) and outflow is plumbed to a safe secondary drain location.	Annually
Water Heaters	Drip pans and drains should be monitored for moisture regularly.	Year-round
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APPENDIX B IMPORTANT INFORMATION



PURPOSE OF REPORT

A MULTI-PURPOSE TOOL

This reserve study report is an important part of the Association's budgetary process. Following the recommendations contained within this report should ensure the Association's smooth budgetary transitions from one fiscal year to the next, and either decrease or eliminate the need for "special assessments".

In addition, this reserve study serves a variety of useful purposes:

- Following the recommendations of a reserve study performed by a professional consultant can protect
 the Board of Directors in a community from personal liability concerning reserve components and reserve
 funding
- A reserve study is required by your accountant during the preparation of the Association's annual audit.
- A reserve study is often requested by lending institutions during the process of loan applications, both for the community and, in many cases, the individual owners
- The reserve study report is also a detailed inventory of the Association's major assets and serves as a management tool for scheduling, coordinating and planning future repairs and replacements
- The reserve study report is a tool that can assist the Board in fulfilling its legal and fiduciary obligations for maintaining the community in a state of good repair. If a community is operating on a special assessment basis, it cannot guarantee that an assessment, when needed, will be passed. Therefore, it cannot guarantee its ability to perform the required repairs or replacements to those major components for which the association is obligated.
- Since the reserve study includes measurements and cost estimates of the Association's assets, the detail
 reports may be used to evaluate the accuracy and price of contractor bids when assets are due to be
 repaired or replaced.
- The reserve study is an annual disclosure to the membership concerning the financial condition of the Association, and may be used as a "consumers' guide" by prospective purchasers
- The reserve study report provides a record of the time, cost, and quantities of past reserve replacements.
 At times, the Association's management company and Boards of Directors are transitory, which may result in the loss of these important records.



STANDARD TERMS AND DEFINITIONS

Adjustment to Useful Life – Once the Estimated Useful Life (EUL) is determined, it may be adjusted, up or down, by this separate figure for the current cycle of replacement. This will allow for a current period adjustment without affecting the estimated replacement cycles for future replacements.

Annual Assessment Increase – This represents the percentage rate at which the Association will increase its assessment to reserves at the end of each year. For example, in order to accumulate \$10,000 in 10 years, you could set aside \$1,000 per year. As an alternative, you could set aside \$795 the first year and increase that amount by 5% each year until the year of replacement. In either case you arrive at the same amount. The idea is that you start setting aside a lower amount and increase that number each year in accordance with the planned percentage. Ideally this figure should be equal to the rate of inflation. It can, however, be used to aid those Associations that have not set aside appropriate reserves in the past, by making the initial year's allocation less formidable.

Annual Fixed Reserves – An optional figure, which if used, will override the normal process of allocating reserves to each asset.

Budget Year Beginning/Ending – The budgetary year for which the report is prepared. For Associations with fiscal years ending December 31st, the monthly contribution figures indicated are for the 12-month period beginning 1/1/20xx and ending 12/31/20xx.

Component – The 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) predictable Remaining Useful Life expectancies, 4) above a minimum threshold cost, and 5) as required by local codes.

Component Inventory – The task of selecting and qualifying reserve components. This task can be accomplished through on-site visual, review of Property design and organizational documents, a review of established Property precedents, and discussion with appropriate Association representative(s).

Condition Assessment – The task of evaluating the current condition of the component based on observed or reported characteristics.

Current Replacement Cost –The estimated Replacement Cost effective at the beginning of the fiscal year for which the report is being prepared.

Estimated Useful Life (EUL) – The estimated useful life of a component based upon industry standards, manufacturer specifications, visual inspection, location, usage, association standards and prior history. All of these factors are taken into consideration when tailoring the estimated useful life to the particular component. For example, the carpeting in a hallway or elevator (a heavy traffic area) will not have the same life as the identical carpeting in a seldom-used meeting room or office.

Financial Analysis – The portion of a 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 expense over time is presented. The Financial Analysis is one of the two parts of a Reserve Study.

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 Contribution Rate over the Years
- Evenly Distributed Contributions over the Years
- Fiscally Responsible

Future Replacement Cost – The estimated cost to repair or replace the component at the end of its estimated useful life based upon the current replacement cost and inflation.

Inflation – This figure is used to approximate the future cost to repair or replace each component in the report. The current cost for each component is compounded on an annual basis by the number of remaining years to replacement, and the total is used in calculating the monthly reserve contribution that will be necessary to accumulate the required funds in time for replacement.



Interest Contribution (After Taxes) – The interest that should be earned on the reserves, net of taxes, based upon their beginning reserve balance and monthly contributions for one year. This figure is averaged for budgeting purposes.

Investment Yield Before Taxes – The average interest rate anticipated by the Association based upon its current investment practices.

Life and Valuation Estimates – The task of estimating Useful Life, Remaining Useful Life, and Repair or Replacement Costs for the Reserve components.

Number of Units and/or Phases – As applicable, the number of units and/or phases included in this version of the report.

Physical Analysis – The portion of the Reserve Study where the Component Inventory, Condition Assessment, and Life and Valuation Estimate tasks are performed. This represents one of the two parts of the Reserve Study. **Placed-In-Service Date** – The month and year that the component was placed-in-service. This may be the construction date, the first escrow closure date in a given phase, or the date of the last servicing or replacement. **Projected Reserve Balance** – The anticipated reserve balance on the first day of the fiscal year for which this report has been prepared. This is based upon information provided and not audited.

Remaining Useful Life (RUL) – 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 initial year have "zero" 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.

Replacement Year – The year that the component is scheduled to be replaced. The appropriate funds will be available by the first day of the fiscal year for which replacement is anticipated.

Reserve Balance – Actual or projected funds as of a particular point in time that the Association has identified for use to defray the future repair or replacement of those major components which the Association is obligated to maintain. Also known as Reserves, Reserve Accounts, Cash Reserves. Based upon information provided and not audited.

Reserve Provider - An individual who prepares Reserve Studies.

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.



OVERVIEW OF CAPITAL PLANNING TOOLS

INTRODUCTION

Preparing the annual budget and overseeing the Association's finances are perhaps the most important responsibilities of board members. The annual operating and reserve budgets reflect the planning and goals of the association and set the level and quality of service for all of the Association's activities.

FUNDING OPTIONS

When a major repair or replacement is required in a community, an Association has essentially four options available to address the expenditure:

Option 1 – The first, and only logical means that the Board of Directors has to ensure its ability to maintain the components for which it is obligated, is by assessing an adequate level of reserves as part of the regular membership assessment, thereby distributing the cost of the replacements uniformly over the entire membership. The community is not only comprised of present members, but also future members. Any decision by the Board of Directors to adopt a calculation method or funding plan which would disproportionately burden future members in order to make up for past reserve deficits, would be a breach of its fiduciary responsibility to those future members. Unlike individuals determining their own course of action, the board is responsible to the "community" as a whole.

Whereas, if the association was setting aside reserves for this purpose, using the vehicle of the regularly assessed membership dues, it would have had the full term of the life of the roof, for example, to accumulate the necessary moneys. Additionally, those contributions would have been evenly distributed over the entire membership and would have earned interest as part of that contribution

- Option 2 The second option is for the association to acquire a loan from a lending institution in order to affect the required repairs. In many cases, banks will lend to an association using "future homeowner assessments" as collateral for the loan. With this method, the current board is pledging the future assets of an association. They are also incurring the additional expense of interest fees along with the original principal amount. In the case of a \$150,000 roofing replacement, the association may be required to pay back the loan over a three to five year period, with interest.
- Option 3 The third option, too often used, is simply to defer the required repair or replacement. This option, which is not recommended, can create an environment of declining property values due to expanding lists of deferred maintenance items and the association's financial inability to keep pace with the normal aging process of the common area components. This, in turn, can have a seriously negative impact on sellers in the association by making it difficult, or even impossible, for potential buyers to obtain financing from lenders. Increasingly, lending institutions are requesting copies of the association's most recent reserve study before granting loans, either for the association itself, a prospective purchaser, or for an individual within such an association.
- Option 4 The fourth option is to pass a "special assessment" to the membership in an amount required to cover the expenditure. When a special assessment is passed, the association has the authority and responsibility to collect the assessments, even by means of foreclosure, if necessary. However, an association considering a special assessment cannot guarantee that an assessment, when needed, will be passed. Consequently, the association cannot guarantee its ability to perform the required repairs or replacements to those major components for which it is obligated when the need arises. Additionally, while relatively new communities require very little in the way of major "reserve" expenditures, associations reaching 12 to 15 years of age and older, find many components reaching the end of their effective useful lives. These required expenditures, all accruing at the same time, could be devastating to an association's overall budget.



TYPES OF RESERVE STUDIES

Most reserve studies fit into one of three categories:

- Full Reserve Study (Level I) The reserve provider reviews community bylaws and original construction documents (when available) to produce a component inventory, a condition assessment (based upon onsite visual observations), and life and value estimates to determine both a "fund status" and "funding plan."
- Update with Site Inspection (Level II) The reserve provider conducts a component inventory (verification only, not quantification unless new components have been added to the inventory), a condition assessment (based upon on-site visual observations), and life and valuation estimates to determine both the "fund status and "funding plan."
- Update without Site Inspection (Level III) The reserve provider conducts life and valuation estimates
 to determine the "fund status" and "funding plan."

THE RESERVE STUDY: A PHYSICAL AND FINANCIAL ANALYSIS

There are two components of a reserve study – a physical analysis and a financial analysis:

- Physical Analysis During the physical analysis, a reserve study provider evaluates information regarding
 the physical status and repair/replacement cost of the association's major common area components. To
 do so, the provider conducts a component inventory, a condition assessment, and life and valuation
 estimates.
- Financial Analysis The financial analysis assesses the association's reserve balance or "fund status" (measured in cash or as percent fully funded) to determine a recommendation for the appropriate reserve contribution rate in the future, known as the "funding plan".

DEVELOPING A COMPONENT LIST

The budget process begins with full inventory of all the major components for which the association is responsible. The determination of whether an expense should be labeled as operational, reserve, or excluded altogether is sometimes subjective. Since this labeling may have a major impact on the financial plans of the association, subjective determinations should be minimized. We suggest the following considerations when labeling an expense.

OPERATIONAL EXPENSES

Occur at least annually, no matter how large the expense, and can be budgeted for effectively each year. They are characterized as being reasonably predictable, both in terms of frequency and cost. Operational expenses include all minor expenses, which would not otherwise adversely affect an operational budget from one year to the next. Examples of operational expenses include:

- Utilities Electricity, gas, water, telephone, cable TV
- Administrative Supplies, bank service charges, dues & publications, licenses/permits/fees, insurance(s)
- Services Landscaping, pool maintenance, street sweeping, accounting, reserve study
- Repair Expenses Tile roof repairs, equipment repairs, minor concrete repairs, operating contingency



RESERVE EXPENSES

These are major expenses that occur other than annually, and which must be budgeted for in advance to ensure the availability of the necessary funds in time for their use. Reserve expenses are reasonably predictable both in terms of frequency and cost. However, they may include significant components that have an indeterminable but potential liability that may be demonstrated as a likely occurrence. They are expenses that, when incurred, would have a significant effect on the smooth operation of the budgetary process from one year to the next if they were not reserved for in advance.

Examples of reserve expenses include:

- Roof Replacements
- Park/Play Equipment
- Painting
- Pool/Spa Re-plastering
- Deck Resurfacing
- Pool Equipment Replacement
- Fencing Replacement
- Pool Furniture Replacement
- Asphalt Seal Coating
- Tennis Court Resurfacing
- Asphalt Repairs
- Lighting Replacement
- Asphalt Overlays
- Insurance(s)
- Equipment Replacement
- Reserve Study
- Interior Furnishings

BUDGETING NORMALLY EXCLUDED

Repairs or replacements of components which are deemed to have an estimated useful life equal to or exceeding the estimated useful life of the facility or community itself or exceeding the legal life of the community as defined in an association's governing documents. Examples include the complete replacement of elevators, tile roofs, wiring and plumbing. Also excluded are insignificant expenses that may be covered either by an operating or reserve contingency, or otherwise in a general maintenance fund. Expenses that are necessitated by acts of nature, accidents or other occurrences that are more properly insured for, rather than reserved for, are also excluded. Construction defects and other conditions which result in major performance deficiencies cannot be modeled or accurately budgeted for as part of a standard reserve fund analysis.

PREPARING THE RESERVE STUDY

Once the reserve components have been identified and quantified, their respective replacement costs, useful lives, and remaining lives must be assigned so that a funding schedule can be constructed. Replacement costs and useful lives can be found in published manuals such as construction estimators, appraisal handbooks, and valuation guides. Remaining lives are calculated from the useful lives and ages of assets and adjusted according to conditions such as design, manufactured quality, usage, exposure to the elements and maintenance history.



By following the recommendations of an effective reserve study, the association should avoid any major shortfalls. However, to remain accurate, the report should be updated on an annual basis to reflect such changes as shifts in economic parameters, additions of phases or components, or expenditures of reserve funds. The association can assist in simplifying the reserve study update process by keeping accurate records of these changes throughout the year.

FUNDING METHODS

From the simplest to the most complex, reserve study providers use many different computational processes to calculate reserve requirements. However, there are two basic processes identified as industry standards – the cash flow method and the component method:

- Cash Flow Method Develops 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 actual anticipated schedule of reserve expenses until the desired funding goal is achieved. This method sets up a "window" in which all future anticipated replacement costs are computed, based upon the individual lives of the components under consideration.
- Component Method Develops a reserve-funding plan where the total contribution is based upon the sum of contributions for individual components. The component method is the more conservative of the two funding options. This assures that the association will achieve and maintain an ideal level of reserve over time. This method also allows for computations on individual components in the analysis. The Component Funding Model Projection is based upon the component methodology.

FUNDING STRATEGIES

Current Assessment Funding Model – This method is also based upon the cash flow funding concept. The initial reserve assessment is set at the association's current fiscal year funding level and a 30-year projection is calculated to illustrate the adequacy of the current funding over time



RESERVE STUDY METHODOLOGY

PHYSICAL ANALYSIS METHODOLOGY

Throughout the course of Forensic's physical analysis of the Property, the following methods were employed:

- Review of Background Information The following background information was reviewed by Forensic
 as part of the Reserve Study preparation for the Property:
 - Previous reserve study report
 - Declarations and governing documents provided by HOA board
- Component Inventory Generation The component inventory was developed to include commonlyowned building components or systems, all or part of which will normally require major maintenance, repair, or replacement in more than 1 and less than 30 years, as well as the finish paint application for those included components.

Please note that the inventory specifically did not include the components or systems listed in the "Reserve Study Exclusions" section of this report, as well as the following

- Items that can be funded from the general budget
- Common elements whose responsibility does not include all of the unit owners
- o Items with an expected useful life (EUL) and/or remaining useful life (RUL) greater than 30 years
- Items that lack a predictable EUL and/or RUL
- Items with a replacement cost less than the minimum threshold of \$1,000
- Visual Site Inspection In order to evaluate and document the current physical condition of the Property,
 Forensic performed a visual review of the unconcealed and accessible surfaces of the components listed
 in the "Component Inventory" section of this report. For multiple components, Forensic reviewed a
 sufficient representative sample of that component (as determined by our professional judgment) in order
 to make quantity or useful life determinations.

At <u>no</u> time during Forensic's time on site at the Property were destructive or invasive testing methods employed in order to observe the condition of concealed building components or systems. As such, the concealed conditions associated with the components listed in the "Component Inventory" section of this report are not included as part of this Reserve Study.

- Component Quantity Determinations Forensic utilized multiple methods to determine component quantities (depending on the component), including field take-off estimates, partial take-offs from construction drawings, and evaluation of the component quantities provided in previous reserve studies.
- Component Useful Life Determinations Forensic utilized multiple methods to determine component EUL values (depending on the component), including typical useful life tables provided by Fannie Mae, databases provided by Reserve Analyst software, product manufacturer literature, modification of the component quantities provided in previous reserve studies, and Forensic's professional judgment. RUL values were determined by subtracting the current age of each component (based on the in-service date provided by the Association or previous reserve study) from the EUL.



FINANCIAL ANALYSIS METHODOLOGY

Throughout the course of Forensic's financial analysis of the Property, the following methods were employed:

- Financial Parameter Determinations In order to perform the financial analysis component of this Reserve Study, Forensic relied upon the values provided by the Association for the fiscal year start/end dates, reserve fund starting balance, reserve fund contribution rate, interest rate, and tax rate. Forensic determined an appropriate inflation rate based upon the 12-month moving average inflation rate, as provided by the U.S. Bureau of Labor Statistics. The 30-year planning horizon incorporated in this Reserve Study is based upon State of Oregon requirements.
- Component Replacement Cost Determinations Forensic utilized multiple methods to determine component current replacement cost values (depending on the component), including current RS Means data for Facility Repair and Maintenance and Commercial Renovation, product manufacturer and vendor literature, adjustment of costing information provided in previous reserve studies, and Forensic's professional judgment. Future replacement cost values were determined by projecting the current replacement cost values out to their RUL replacement year(s), as modified by the inflation rate determined by Forensic.

Funding Model Projections and Computations – Forensic utilized the mathematical modeling capabilities of F7 software to generate the Annual Expenditure Summary, Current Assessment Funding Model Projection, and the Suggested Funding Model Projection via the "Cash Flow Method."



DISCLOSURES AND LIMITATIONS

GENERAL INFORMATION

Forensic's Reserve Study of the Property has been prepared in general conformance with the following industry association standards:

- ASTM E 2018-08 "Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process," (2008).
- Community Associations Institute (CAI) Research Foundation, "Best Practices: Report #1 Reserve Studies/Management"
- Community Associations Institute (CAI), "National Reserve Study Standards," (2009)
- Fannie Mae "Expected Useful Life Tables," developed by On-Sight Insight of Needham, MA
- "Fannie Mae Physical Needs Assessment Guidance to the Property Evaluator"

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COMPLIANCE WITH STATE REGULATIONS

This Reserve Study was prepared in general compliance with all applicable state requirements. Please refer to the appropriate appendix to this report for detailed information regarding specific state requirements. Note that this Reserve Study was prepared by a building envelope consultant, suitably qualified by knowledge, skill, and experience to act as a Reserve Study Professional. Please refer to the appropriate appendix to this report for detailed information regarding provider qualifications.

CONFLICTS OF INTEREST

Forensic has no financial interest in the Association. Forensic is unaware of any potential conflict of interest that may negatively impact the veracity or accuracy of this report.

BASIC ASSUMPTIONS

This reserve study and the parameters under which it has been completed are based upon information provided to us in part by representatives of the Association, its contractors, assorted vendors, specialist and independent contractors, the Community Association Institute (CAI), and various construction pricing and scheduling manuals including, but not limited to: Marshall & Swift Valuation Service, RS Means Facilities Maintenance & Repair Cost Data, RS Means Commercial Renovation Cost Data, National Construction Estimator, National Repair & Remodel Estimator, Dodge Cost Manual and McGraw-Hill Professional. Additionally, costs are obtained from numerous vendor catalogues, actual quotations or historical costs, and our own experience as a building envelope consultant.

It has been assumed, unless otherwise noted in this report, that components will not be subjected to extraordinary usage or be exposed to any problematic operational environments, that all components have been designed and constructed properly, and that each estimated useful life (EUL) will approximate that of the norm per industry standards and/or manufacturer's specifications. In some cases, estimates may have been used on components, which have an indeterminable but potential liability to the Association. The decision for the inclusion of these as well as all components considered is left to the Association.

It has also been assumed that the Association will employ a high standard of ongoing maintenance to facilitate EUL expectations for individual components, and that those components have been constructed and placed in service in such a manner as to facilitate reasonable access for ongoing maintenance and inspection purposes.



RESERVE STUDY UPDATES

We recommend that your reserve study be updated on an annual basis due to fluctuating interest rates, inflationary changes, and the unpredictable nature of the lives of many of the components under consideration. All of the information collected during our inspection of the Property and computations made subsequently in preparing this Reserve Study are retained in our computer files. Therefore, annual updates may be completed quickly and inexpensively each year. A visual site inspection is recommended every three (3) years in order to more accurately update your Reserve Study.

In addition, any of the parameters and estimates used in this Reserve Study may be changed at your request, after which we will provide a revised Study as an additional service billed on an hourly basis.

This Reserve Study is provided as an aid for planning purposes and not as an accounting tool. Since it deals with events yet to take place, there is no assurance that the results enumerated within it will, in fact, occur as describe.

DOCUMENT REVISIONS

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We appreciate your confidence in Forensic and we look forward to addressing any questions or concerns that you may have regarding the contents of this reserve study. Please do not hesitate to contact Forensic at (503) 772-1114 or info@forensicbuilding.com if we can be of further assistance. Thank you.

Respectfully submitted,

FORENSIC BUILDING CONSULTANTS

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