



## Condition Assessment <sup>&</sup> Reserve Fund Plan Update 2020 Oakland Chase

MASON & MASON

CAPITAL RESERVE ANALYSTS, INC.

Burke, Virginia



Prepared for: The Board of Trustees Burke Centre Conservancy





CAPITAL RESERVE ANALYSTS, INC.

ASON & MASC

P. O. Box 1 Fort Valley, Virginia 22652 800-776-6980 admin@masonreserves.com Fax 800-776-6408

March 25, 2020

Mr. Bob Bray, Finance Administrator Burke Centre Conservancy 6060 Burke Centre Parkway Burke, Virginia 22015-3702

RE: CONDITION ASSESSMENT AND RESERVE FUND PLAN UPDATE 2020 Oakland Chase Cluster Burke, Virginia Project No. 8903#13

Dear Mr. Bray:

Mason & Mason Capital Reserve Analysts, Inc. has completed the report for Oakland Chase.

As outlined in our proposal, the report is being submitted to you and the Board of Directors for review and comment. A review of the Summary of Key Issues iii, and Sections 1 and 2 will provide you with our findings and financial analyses.

We genuinely appreciate the opportunity to work with you and the Cluster.

Sincerely,

Mason & Mason Capital Reserve Analysts, Inc.

full

Levi K. Mason, R. S. Vice President



James G. Mason, R. S. Principal



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### FOREWORD

#### PLEASE READ THIS FIRST

This report contains information the Board requires to fulfill its fiduciary responsibilities with respect to the financial health of the Association. Even if you are already familiar with the concepts of capital reserve planning, it requires some study. The information in this report is vital to your Association's financial health. Unless you understand it, your Association may not follow it. This may lead to underfunding and financial stress at some time in the future.

Our years of experience providing reserve analysis to both first-time and multi-update return clients have compelled us to develop a logical funding approach, which is based on generational equity and fairness to common-interest property owners that helps ensure realistic reserve funding levels.

Our approach is neither standard, nor is it necessarily easy to understand without first becoming familiar with some basic concepts. Section 3 explains these concepts in more detail. We want you to understand them because a well-informed Association makes the best decisions for its common-property owners.

## SUMMARY OF KEY ISSUES

Different readers will look for different things from this report. Perhaps the homeowner will just be looking for the high points. A prospective buyer may be looking at the general financial condition of the Association's reserves. A Board member should probe deeper in order to understand the financial tools that will be helpful in fulfilling their fiduciary responsibilities to the Association.

The Summary of Key Issues presents a recapitulation of the most important findings of Oakland Chase Cluster's Reserve Fund Plan Update. Each is discussed in greater detail in the body of the report. We encourage the reader to "go deeper" into the report, and we have written it in a way that's understandable to a first-time reader.

Analyzing the capital reserves reveals that:

 The reserve fund is approximately fully funded through 2019. Our goal is to maintain fully funded status through the end of the 20-year period (2039).

To maintain fully funded status, the Board should:

- Reduce the annual contribution in 2021 from \$3,808 to \$2,945, followed by annual adjustments of 1.0% thereafter.
- This represents a reduction from \$8.81 to \$6.82 (a net reduction of \$1.99) per residence, per month (based on 36 Townhomes).

## VISUAL EVALUATION METHODOLOGY

The first step in the process is collection of specific data on each of your community's commonly-held components. This information includes quantity and condition of each included component. We collect most of this data during the on-site field survey. When this information is not available in the field, we may obtain it by discussion with those knowledgeable through management or service activities.

The field survey or condition assessment is visual and non-invasive. We don't perform destructive testing to uncover hidden conditions; perform operational testing of mechanical, electrical, plumbing, fire and life safety protection; or perform code compliance analysis.

We make no warranty that every defect has been identified. Our scope of work doesn't include an evaluation of moisture penetration, mold, indoor air quality, or other environmental issues. While we may identify safety, hazards observed during the course of the field survey, this report shouldn't be considered a safety evaluation of components.

Replacement costs are sometimes based on published references, such as R. S. Means. However, our opinions of replacement costs usually include removal and disposal and are usually based on experience with similar projects including information provided by local contractors and reported client experience. Actual construction costs can vary significantly due to seasonal considerations, material availability, labor, economy of scale, and other factors beyond our control.

Projected useful service lives are based on statistical data and our opinion of their current visual condition. No guarantee of component service life expectancies are expressed or implied and none should be inferred by this report. Your actual experience in replacing components may differ significantly from the projections in the report, because of conditions beyond our control or that were not visually apparent at the time of the survey.

### 1. INTRODUCTION

**1.1 Background:** Oakland Chase Cluster is comprised of 36 townhomes within six buildings located on Alison Drive off of Oak Leather Drive north of Burke Centre Parkway in Burke, Virginia. The community was constructed in 1987. The street layout includes concrete sidewalks, curbs and gutters, mailbox modules, and seven parking bays providing 80 spaces.

We are providing the Condition Assessment and Reserve Fund Plan Update based on Proposal Acceptance Agreement No. 8903#13 dated October 9, 2019. Our services are subject to all terms and conditions specified therein.

Mason & Mason did not review the declarations, covenants, or other organization documents pertaining to the establishment and governance of the Cluster. Ultimately, the establishment, management, and expenditure of reserves are within the discretion of the Cluster and its Board of Directors pursuant to their organizational documents and subject to the laws of the applicable jurisdiction. We are not financially associated with Burke Centre Conservancy Management or the Cluster, and therefore do not have any conflicts of interest that would bias this report. Information provided by Management is deemed reliable. This report is not intended to be an audit or a forensic investigation. This report is not a mandate, but is intended to be a guide for future planning.

Mason & Mason provided a Level I Condition Assessment and Reserve Fund Plan for Oakland Chase Cluster in 2006, and Level II Updates in 2010 and 2015. This report is an additional Level II Update and includes a new condition assessment. All common components were visually observed. Measurements and quantities were generally accepted from the previous report except where changes have occurred. The update report is a stand-alone document and reference to the previous report should not be necessary.

Levi K. Mason R. S. and Eva Pastalkova, Ph.D., Analyst conducted the field evaluation for this report on March 16, 2020. The sky was clear, and the temperature was approximately 63 degrees F. Light precipitation had occurred a day prior to the site visit. The pavements and grounds were generally dry and clean of debris.

**1.2 Principal Findings:** The common assets appear to be in fair to good condition. We observed approximately 4,590 linear feet of longitudinal and transvers cracks and approximately 15 square yards of deflective cracking. We did not find any indication that full depth repairs and crack filling that we had originally scheduled for 2019 were performed. We estimated that the last seal coating was performed approximately 3 years ago. The observed condition of the asphalt indicates that if repairs are performed near-term, the asphalt should provide several more years of service. Repairs and seal coating have been scheduled near-term.

Two mailbox modules were observed to be in fair and one in poor condition. We have scheduled the replacement of the most significantly deteriorated modules near-term.

We observed approximately 6 sidewalk panels that were either heaved or settled, and which are potential tripping hazards. We did not observe any cracked or damaged curbs or gutters. The liability and costs associated with personal injury lawsuits resulting primarily from sidewalk and curb tripping hazards are too great to defer repair. It is our opinion that deficiencies, which pose a hazard to pedestrians should be corrected as soon as practicable.

We also identified several tripping hazards on the asphalt footpath, which should be remediated under the operations budget.

The pricing provided by Management indicates that moderate price reductions have occurred since 2015 resulting in a slightly lower than projected level of contribution. Currently the reserve fund appears to be fully funded for the current cycle and the contributions should be slightly lowered to address generational equity issues, while maintaining fully funded status long-term. The Association has adequate reserve funding and should be proactive in making the necessary common component repairs and replacements.

In order to maintain the physical attributes that preserve property values and provide a safe environment for occupants and guests, a series of capital expenditures should be anticipated. Consequently, we have scheduled near-, mid-, and late-term restoration and replacement projects based on anticipated need from our experience with similar properties.

Generally, our approach is to group appropriately related component replacement items into projects. This creates a more realistic model and allows a grouping timeline that is more convenient to schedule and logical to accomplish. Please see the Table 1 Discussion, Column 18, and the Asphalt Pavement Report in Section 7, for specific information.

## 2. FINANCIAL ANALYSIS

We track the annual inflation rate among our clients based on their reported costs for typical services. The average rate of inflation since the 2008 recession has been 1.46% according to the U.S. Labor Department, and is similar in our experience with clients. Substantially higher inflation rates have not materialized since then. So, we are using a 2% annual rate of inflation in our calculations. Interest income has also remained low since 2008, and many smaller Associations and Condominiums are earning less than 2% on savings accounts. So, we are using a 1.5% interest income rate of return in our calculations. However, unlike reserves, interest income is taxable, which may reduce the net gain even further. We anticipate increasingly volatile economic conditions near to mid-term. It is prudent to keep a close watch on the economy and be ready to respond by updating the reserve fund plan as economic changes dictate.

**2.1 Calculation Basics:** The Cluster is on a calendar fiscal year. Management reported that the audited reserve fund balance, including cash and securities, as of **December 31, 2019**, was **\$94,607**. We have used **2.00%** annual inflation and **1.50%** annual interest income in our calculations. The total expenditures for the twenty-year period for both the **Cash Flow Method** and **Component Method** are projected to be **\$112,377**.

**2.2 Current Funding Analysis, Cash Flow (Table 3):** The 2020 annual contribution to reserves has been set at **\$3,808** with a presumed **2.0%** annual increase. At this level, the total for all annual contributions for the twenty-year period would be **\$92,524**, and the total interest income is projected to be **\$26,760**. This funding results in unnecessarily high balances throughout the twenty-year period and over funds the reserves.

2.3 Alternative Funding Analysis, Cash Flow Method, Hybrid Approach (Table 3.1): This plan provides the annual contributions necessary to maintain balances more consistent with the fully funded goal by reducing the annual contribution to \$2,945 in 2021 and providing a 1.0% annual adjustment. This plan allows for a gradual increase over time after the initial reduction, and addresses generational equity issues. The total for all annual contributions for the twenty-year period would be \$65,088, and the total interest income is projected to be \$23,028. The fully funded balance in 2039 is \$70,346.

**2.4 Funding Analysis, Component Method (Table 4):** This method of funding would require variable annual contributions, averaging **\$3,348** over the twenty-year period. The total for all annual contributions would be **\$66,968**, and the total interest income is projected to be **\$21,148**. The fully funded balance in 2039 is **\$70,346**. The Component Method model considers the current reserve fund balance in computing individual component contributions for current cycles.

### **3. METHODS OF FUNDING**

Once the data are compiled, our proprietary software produces two distinct funding methods. These are the **Component Method and Cash Flow Method**. Each of these methods is used in analyzing your Association's reserve status and each plays a role in the Board's decision on how to fund reserves. While we provide the guidance, the choice of funding method is ultimately the prerogative of the Board. Considering the vulnerability of the Association's assets, its risk tolerance, and its ability to fund contributions, the Board should decide how the Association will fund its reserves and at what level.

**3.1 Component Method**: As reserve analysts, we recognize the value of Component Method calculations as they address both future replacement costs and the time remaining to fund them. This is the foundation of the savings concept. You will see the term "fully funded." This simply means you are on schedule, in any given year, to accrue sufficient funds by the component's replacement date. It does not mean you must have 100% of the funds ahead of time. Simplified Example: A component projected to cost \$1,000 at the end of its 10-year life cycle would require a \$100 annual contribution in each of the 10 years. As long as you follow this contribution plan, the component is "fully funded."

Prior to determining the actual required annual contribution, a complex calculation apportions the existing reserve fund to each component. Each component's remaining unfunded balance forms the basis for the required contribution going forward.

Funds set aside for replacement of individual components are not normally used for the replacement of other components, even though the funds reside in the same bank account. In rare cases where a reserve fund is actually overfunded, \$0 will be displayed on the Component Method tables, indicating that the component is fully funded for that cycle.

While the time basis for the report is a 20-year period, the Component Method allows for inclusion of long-life components that may require replacement after the specified period. This allows for funding of long-life components contemporaneously, which is fundamentally fair if they are serving the current owners. This is in contrast to saying, "if it doesn't require replacement within our 20-year period, we're going to ignore it."

Due to replacement cycle time and cost differentials, the Component Method typically results in annual contribution fluctuations, which often makes it difficult for a Board to implement. However, its guidance is essential and invaluable for understanding funding liabilities and making informed recommendations. Table 4 shows these calculations, as well as projects interest income, expenses with inflation, and yearly balances, which will be "fully funded."

**3.2 Cash Flow Method:** The Cash Flow Method is easier to implement. It is a simple 20-year spread sheet that includes the starting balance, current contribution, interest income, inflation rate, projected expenses, and resulting yearly balances. The Cash Flow Method pools the contributions allocated to each of the Association's common components into a single "account."

Table 3 shows these calculations. This table reflects the information you provided on your reserve fund balance and current contribution. It also shows projected yearly positive or negative balances. The Cash Flow Method doesn't include replacement funding for anything beyond the 20-year period, thus leaving a potential shortfall in funding and failing to address generational equity if not specifically set to do so. It doesn't provide any real guidance beyond the basic information. There are several variations on cash flow goals such as Threshold Funding (just enough to stay positive) and Percentage Funding (a predetermined level based on some arbitrary percentage), but these schemes don't address the reality of fully funding, and typically are just a way of passing the obligation on to the next generation.

3.3 Hybrid Approach: Please note that this is not a method, rather a way (approach) for us to utilize the Cash Flow Method, while ensuring the appropriate funding levels are achieved long-term. Our Hybrid Approach uses the projected fully funded balance at the end of the 20-year period from Table 4 as a funding goal. We then set up Cash Flow funding plans. Table 3 is your "where we are now" Cash Flow spreadsheet modeling your reserve balance and current contribution. Table 3.1 (and possibly others) provides alternative(s) to this that meet the fully funded goal from Table 4.

We usually establish a new Cash Flow contribution that requires only small annual inflationary increases to reach the fully funded goal at the end of the 20-year period. This has the added effect of establishing a funding plan that addresses inflation. The contribution in the first year, adjusted for inflation, is equal to the contribution in the last year, based on inflated dollars (future value of money). This approach will also allow underfunded Associations the time to catch up, mitigating undue hardships. It balances the risk of temporary underfunding with the benefit of consistent predictable increasing contributions. The combination of the Component and Cash Flow Methods (Hybrid Approach) provides the advantages of both methods.

### 4. RESERVE PROGRAMMING

The Mason & Mason proprietary software used to produce the financial tables (Tables 1 through 4) have been under continual refinement for over a decade. It is unique in the industry as it provides comprehensive modeling through Microsoft Access and Excel that addresses the many challenges of reserve funding, allows analysts and clients to run "what if" scenarios, provides an easy to understand matrix of views and functions, and is easily provided to clients through e-mail.

**4.1 Interest Income on Reserve Funds:** Most Associations invest at least part of their reserve funds. Small Associations may simply use a savings account or certificates of deposit, while large Associations may have multiple investments with short-, medium-, and long-term instruments. One issue that is difficult to quantify is the percentage of funds invested. Some Associations invest a fairly substantial portion, while others hold back due to current cash outflow obligations. Some Associations do not reinvest the investment proceeds in their reserves; rather they divert the cash into their operations fund. We do not agree with this approach as it has the effect of requiring additional reserve contributions to make up for the difference. There is also the issue of changing rates over the 20-year period. In the recent past we have seen large swings in relatively short time periods. While reserve funds are not usually taxable by the IRS, the investment income generated by the reserve fund is taxable in most situations. Even with all these potential pitfalls, investment income still represents a

substantial source of additional funds and for this reason should not be ignored. There is no way to make "one size fits all" with any accuracy for the individual Association. Our approach to this dilemma is to use lower approximations that compensate for less than 100% of funds invested. We feel this is still better than not recognizing it, and periodic updates allow for adjustments based on experience. The rate can be set at any level, including zero, for Associations desiring to not recognize interest. The rate should reflect, as accurately as possible, the actual composite rate of return on all securities and other instruments of investment including allowances for taxes.

The interest income displayed on Table 3 and Table 4 is the summation of the beginning reserve fund interest accrual and the interest earned on the contributions minus the interest lost by withdrawing the capital expenditures. This method of calculation, while not exact, approximates the averages of the three principal components of a reserve fund for each twelve-month period.

**4.2 Future Replacement Costs (Inflation):** Inflation is a fact of life. In order to replicate future financial conditions as accurately as possible, inflation on replacement costs should be recognized. The financial tables have been programmed to calculate inflation based upon a pre-determined rate. This rate can be set at any level, including zero. A plan that doesn't include inflation is a 1-year plan, and any data beyond that first year won't reflect reality.

**4.3 Simultaneous Funding:** This is a method of calculating funding for multiple replacement cycles of a single component over a period of time from the same starting date. Simple Example: Funding for a re-roofing project, while, at the same time, funding for a second, subsequent re-roofing project. This method serves a special purpose if multiple-phase projects are all near-term, but will result in higher annual contribution requirements and leads to generational equity issues otherwise. We use this type of programming only in special circumstances.

**4.4 Sequential Funding:** This is a method of calculating funding for multiple replacement cycles of a single component over a period of time where each funding cycle begins when the previous cycle ends. Simple Example: Funding for the second reroofing project begins after the completion of the initial re-roofing project. This method of funding appears to be fundamentally equitable. We use this type of programming except in special circumstances.

**4.5 Normal Replacement:** Components are scheduled for complete replacement at the end of their useful service lives. Simple Example: An entrance sign is generally replaced all at once.

**4.6 Cyclic Replacement:** Components are replaced in stages over a period of time. Simple Example: Deficient sidewalk panels are typically replaced individually as a small percentage, rather than the complete system.

**4.7 Minor Components:** A minimum component value is usually established for inclusion in the reserve fund. Components of insignificant value in relation to the scale of the Association shouldn't be included and should be deferred to the operations budget. A small Association might exclude components with aggregate values less than \$1,000, while a large Association might exclude components with aggregate values of less than \$10,000. Including many small components tends to over complicate the plan and doesn't provide any relative value or utility.

**4.8 Long Life Components:** Almost all Associations have some components with long or very long useful service lives typically ranging between thirty and sixty years. Traditionally, this type of component has been ignored completely. Simple Example: Single replacement components such as entrance monuments should be programmed for full replacement at their statistical service life. This allows for all common property owners to pay their fair share during the time the component serves them. This also has the added effect of reducing the funding burden significantly as it is carried over many years.

**4.9 Projected Useful Service Life**: Useful service lives of components are established using construction industry standards and our local experience as a guideline. Useful service lives can vary greatly due to initial quality and installation, inappropriate materials, maintenance practices or lack thereof, environment, parts attrition, and obsolescence. By visual observation, the projected useful service life may be shortened or extended due to the present condition. The projected useful service life is not a mandate, but a guideline, for anticipating when a component will require replacement and how many years remain to fund it.

**4.10 Generational Equity:** As the term applies to reserves, it is the state of fairness between and over the generations relating to responsibility for assets you are utilizing during your time of ownership. It is neither reasonable, nor good business to defer current liabilities to future owners. This practice is not only unfair; it can also have a very negative impact on future property values.

## 5. UPDATING THE RESERVE FUND PLAN

A reserve fund plan should be periodically updated to remain a viable planning tool. Changing financial conditions and widely varying aging patterns of components dictate that revisions should be undertaken periodically from one to five years, depending upon the complexity of the common assets and the age of the community. Weather, which is unpredictable, plays a large part in the aging process.

Full Updates (Level II) include a site visit to observe current conditions. These updates include adjustments to the component inventory, replacement schedules, annual contributions, balances, replacement costs, inflation rates, and interest income.

We encourage Associations that are undergoing multiple simultaneous or sequential costly restoration projects (usually high rise buildings) to perform Level III Administrative Updates. Administrative updates do not include a condition assessment. They are accomplished by comparing original projections with actual experience during the interim period as reported by Management. These updates can be performed annually and include adjustments to the replacement schedules, contributions, balances, replacement costs, inflation rates, and interest income. The Level III Administrative Update can be a cost-effective way of keeping current between Level II Full Update cycles. Full Updates (Level II) and Administrative Updates (Level III) help to ensure the integrity of the reserve fund plan.

### 6. PREVENTIVE MAINTENANCE

The following preventive maintenance practices are suggested to assist the Association in the development of a routine maintenance program. The recommendations are not to be considered the only maintenance required, but should be included in an overall program. The development of a maintenance checklist and an annual condition survey will help extend the useful service lives of the Association's assets.

This section includes best maintenance practices or life-extension maintenance for many, but not necessarily all, components in the report. Items for which no maintenance is necessary, appropriate or beyond the purview of this report are not included in this section. We typically include them for townhomes and garden condominiums while mid- and high-rise buildings are generally too complex.

**6.1 Asphalt Pavement:** Pavement maintenance is the routine work performed to keep a pavement, subjected to normal traffic and the ordinary forces of nature, as close as possible to its as-constructed condition. Asphalt overlays may be used to correct both surface deficiencies and structural deficiencies. Surface deficiencies in asphalt pavement usually are corrected by thin resurfacing, but structural deficiencies require overlays designed on factors such as pavement properties and traffic loading. Any needed full-depth repairs and crack filling should be accomplished prior to overlaying. The edgemill and overlay process includes milling the edges of the pavement at the concrete gutter and feathering the depth of cut toward the center of the drive lane. Milling around meter heads and utility features is sometimes required. The typical useful life for an asphalt overlay is twenty years.

**6.2** Asphalt Seal Coating: The purpose is to seal and add new life to a roadway surface. It protects the existing pavement but does not add significant structural strength. A surface treatment can range from a single, light application of emulsified asphalt as a "fog" seal, to a multiple-surface course made up of alternate applications of asphalt and fine aggregate. Seal coating of all asphalt pavements should be performed at approximately six-year intervals, or approximately twice during the service life of the asphalt pavement. Seal coating more often is generally not cost-effective. The material used should be impervious to petroleum products and should be applied after crack filling, oil-spot cleaning, and full-depth repairs have been accomplished. Seal coating is a cost-effective way of extending the life of asphaltic concrete pavement. Seal coating is generally not scheduled for up to five years after an asphalt restoration project.

**6.3 Asphalt Full-Depth Repairs:** In areas where significant alligator cracking, potholes, or deflection of the pavement surface develops, the existing asphalt surface should be removed to the stone base course and the pavement section replaced with new asphalt. Generally, this type of failure is directly associated with the strength of the base course. When the pavement is first constructed, the stone base consists of a specific grain size distribution that provides strength and rigidity to the pavement section. Over time, the stone base course can become contaminated with fine-grained soil particles from the supporting soils beneath the base course. The most positive repair to such an area is to remove the contaminated base course and replace it with new base stone to the design depth. It is appropriate to perform these types of repairs immediately prior to asphalt restoration projects. Generally, this type of repair should not be required for approximately five years after an asphalt restoration project.

**6.4 Asphalt Crack Filling:** Cracks that develop throughout the life of the asphalt should be thoroughly cleaned of plant growth and debris (lanced) and then filled with a rubberized asphalt crack sealant. If the crack surfaces are not properly prepared, the sealant will not adhere. Crack filling should be accomplished every three to six years to prevent infiltration of water through the asphalt into the sub-grade, causing damage to the road base. It is appropriate to perform these types of repairs immediately prior to edgemill and overlay. Generally, this type of repair should not be required for approximately five years after an edgemill and overlay project.

**6.5 Asphalt Footpaths**: Transverse and longitudinal cracks should be cleaned of debris and plant growth (lanced) and filled with a rubberized asphaltic compound to prevent water infiltration. Cracks and deflection of the asphalt pavement can develop in the areas where tree roots cross the path. Tree roots should be removed, and damaged areas repaired. An additional maintenance issue with footpaths is vegetation control. In areas where vegetation encroaches on the paths, both underfoot and overhead, visibility is reduced, and personal injury can occur from low-growing branches. Vegetation control should be accomplished on a regular basis under the maintenance budget for safety considerations and to extend the useful service life of the pavement.

**6.6 Concrete Sidewalks**: When sidewalks are cracked or scaled or sections have settled, the resulting differential or "tripping hazard" can present a liability problem for the Association if personal injury should occur as a result. Tripping hazards should be repaired expeditiously to promote safety and prevent liability problems for the community. Generally, where practical and appropriate, concrete element repairs and replacements are scheduled in the same years to promote cost efficiencies. Replacements are usually scheduled in cycles because the necessity of full replacement at one time is unlikely. Typically, damaged or differentially settled sections can be removed by saw cutting or jack hammer and re-cast. Concrete milling of the differential surfaces is sometimes an appropriate, cost-effective alternative to recasting. Skim coating is not an effective repair for scaled or settled concrete surfaces and, over time, will usually worsen the problem. The use of ice melting chemicals may accelerate deterioration of concrete components.

**6.7 Concrete Curbs and Gutters:** Vehicle impacts, differential settlement, construction damage, and cracking and spalling of the concrete will eventually result in the need for replacement of some curb sections. A typical damaged or settled section, usually 10 feet in length, will be removed by saw cutting or jack hammer and re-cast.

Street Name	Total SY Asphalt Pavement	SY Full- Depth Repairs	Linear Footage Cracks	Parking Spaces	Parking Bays
Alison Drive	3,575	15	4,590	80	7
TOTALS	3,575	15	4,590	80	7

## 7. ASPHALT PAVEMENT REPORT

All quantities approximate

### COMPONENT DATA AND ASSET REPLACEMENT SCHEDULE TABLE 1 EXPLANATION

This table lists the common assets included in the reserve fund plan and provides details of the replacement schedules. A narrative discussion is provided adjacent to each component. Photo references and maintenance protocol reference numbers are also provided. An explanation of each column in the table follows:

- Column 1 Component No. is consistent throughout all tables.
- Column 2 Component is a brief description of the component.
- Column 3 **Quantity** of the component studied, which may be an exact number, a rough estimate, or simply a (1) if the expenditure forecast is a lump sum allowance for replacement of an unquantified component.
- Column 4 Unit of Measurement used to quantify the component:
- SY = Square Yards SF = Square Feet LF = Linear Feet EA = Each LS = Lump Sum PR = Pair CY = Cubic Yards
- Column 5 Unit Cost used to calculate the required expenditure. This unit cost includes removal of existing components and installation of new components, including materials, labor, and overhead and profit for the contractor.
- Column 6 Total Asset Base is the total value of common assets included in the study in current dollars. In addition to capital assets, this figure includes one cycle of maintenance liability.
- Column 7 Typical Service Life (Yrs) or Cycle is the typical life expectancy of similar components in average conditions or the length of years between replacement cycles, and does not necessarily reflect the conditions observed during the field evaluation. This number is furnished for reference and is not necessarily computed in the system.
- Column 8 1<sup>st</sup> Cycle Year is the scheduled year of the first projected replacement or repair.
- Column 9 Percentage of Replacement is the percentage of component value to be replaced in the first replacement cycle.
- Column 10 Cost for 1<sup>st</sup> Cycle is the future cost (with inflation) of the replacement. It is the product of Column 6 times Column 9 in future dollars.
- Column 11 2<sup>nd</sup> Cycle Year is the scheduled year of the second projected replacement or repair. If a second cycle is not listed, it is because the first cycle is beyond the end of the study.
- Column 12 Percentage of Replacement is the percentage of component value to be replaced in the second replacement cycle. This can vary from the percentage of the first cycle for various reasons, such as the increased age of a component may require a larger amount of repair.
- Columns 13 Cycles, Percentage, and Cost repeat as itemized above. Although not shown on the tables, Through 16 the cycles continue throughout the study period and beyond.
- Column 18 Discussion is the description and observed condition of the component and the methodology employed in the decision-making process. Includes the photo reference, (Photo #1, #2, etc.) and Maintenance Protocol reference numbers (7.1, 7.2 etc.) if applicable.

	13. OAKLA		HAS		R				SSET RE	PLAC T/				E		The cells within these Excel spreadshee intended only for the client and its mai
0	inponent.No. component	Ouant 3	unit unit	of Measurement	Total	THE T	e lical service	or cycle Helt	nVS nase pepaeer	ent s 1 <sup>st</sup> Cycle 2nd 11	cycle Veat percent	antage of pepacente	2nd Cycle 2nd Cycle 3rd	Cycle Perce 15	antage of Respect	formulae for other clients or other purp
1 AS	PHALT COMPONENTS	-	4	5	0	/	0	9	10	11	12	13	14	15	10	10
1.1	Asphalt Restoration Project	3,575	SY	\$10.00	\$35,750	18	2026	100%	\$40,260	2044	100%	\$57,502				The asphalt pavement throughout the community appears to be in fair to poor that the asphalt has been repaired and maintained over the years, and, if the o described in item 1.3 below, the asphalt should provide several more years of Restoration includes full-width milling to a depth of 2" and new compacted asp of the sub-base and pavement prior to restoration. Costs include re-striping dependent on Preventive maintenance being performed as suggested in Prever below. See the Asphalt Pavement Report, Section 7, for additional details.
1.2	Asphalt Seal Coat	3,575	SY	\$1.05	\$3,754	6	2020	100%	\$3,754	2032	100%	\$4,761	2038	100%	\$5,361	The pavement appears to have been seal coated approximately 3 years ago. S micro-cracks, but is largely a cosmetic issue. To help improve curb appeal after in the year of the pavement restoration project when it is not necessary. Crack achieve maximum benefit from the seal coating. Seal coating projects inclus products have been banned from use in many localities throughout the country
1.3	Asphalt Full-Depth Repair & Crack Fill Allowance	1	LS	\$6,957.00	\$6,957	6	2020	40%	\$2,783	2026	100%	\$7,835	2032	25%	\$2,206	We observed significant amounts of asphalt that appears to have been repair square yards, or less than 1% of the total surface area) was observed to be do cracking (approximately 4,590 linear feet) was observed throughout the commu not observe any indication that the full-depth repairs and crack filling that we or term full-depth repairs, crack filling, and seal coating in order to maximize the the projected remaining service life of the pavement. Full-depth repairs and crack period, including the year of the asphalt restoration project.
1.4	Asphalt Footpath Restoration Project	37	SY	\$46.00	\$1,702	18	2026	100%	\$1,917	2044	100%	\$2,738				An asphalt footpath generally 4' in width provides access between sections of areas of deflection, subsidence, and root damage, which should be repaired fro coincide with other asphalt projects to promote cost efficiencies.
2 CC	NCRETE COMPONEN	TS														concide with other asphalt projects to promote cost enciencies.
2.1	Concrete Sidewalks	4,252	SF	\$6.75	\$28,701	5	2020	3%	\$861	2025	3%	\$951	2030	3%	\$1,050	Concrete sidewalks throughout the community are generally 4' wide. The thic ranges from good to fair. We observed approximately 96 square feet of defi causing tripping hazards, some sections are cracked, and some areas have sca surface defects. About 3% of sections can be expected to fail in a typical 5-yea cycle. Minor surface defects may not justify replacement. Sidewalk restoration economies of scale. The Board should be aware that repairs to small quantiti competitive bids for small projects, which may not meet contractor minimums. immediate attention. Any settlement or surface-defect trip hazards should be re-
2.2	Concrete Curbs & Gutters	1,812	LF	\$26.50	\$48,018	5	2020	1%	\$480	2025	2%	\$1,060	2030	2%	\$1,171	The drivelanes and parking bays are lined with standard-profile, cast-in-place, minor transverse cracks and a few settled sections observed. We did not ob- impact damage, and settlement should be anticipated. About 2% of curb and g Minor chips usually do not justify replacement. Cyclic repairs are scheduled be scheduled to coincide with other concrete work to take advantage of econo repaired as soon as observed to prevent personal injury.
3 SI	TE FEATURES															
3.1	Mailbox Modules	3	EA	\$1,675.00	\$5,025	20	2022	34%	\$1,778	2025	66%	\$3,662	2042	34%	\$2,641	Mailbox modules are installed conveniently throughout the Cluster. They are p concrete pad. One post of one of the units is significantly rusted. The rest of t replacement of the deficient unit and mid-term replacement of the remaining un
3.2	Storm Water Drainage System Allowance	1	LS	\$5,400.00	\$5,400	5	2027	100%	\$6,203	2032	100%	\$6,849	2037	100%	\$7,561	Storm water drainage is provided by concrete curb drop inlets, and undergroup Though storm water drainage systems are a long life component and catastrop repairs to ancillary damage as the system ages. This category may also be use storm water collection, drainage, and erosion issues throughout the study perior necessary.
4 EN	GINEERING					1										
4.1	Cyclic Updates	1	LS	\$954.00	\$954	5	2020	100%	\$954	2025	100%	\$1,053	2030	100%	\$1,163	At the direction of Management, we have included an allowance to cover the cos



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SSION

or condition and is nearing the end of its service life. However, we observed e observed deflected asphalt is repaired and crack filling is accomplished as of service. The thickness of the pavement could not be visually determined. asphalt. Core sampling should be used to determine the depth and condition ing, but not replacement of any inadequate sub-base. A full service life is ventive Maintenance section of the report and scheduled in Items 1.2 and 1.3

b. Seal coating may help prevent water infiltration into the sub-base through infer repairs, we have scheduled seal coating projects every six years, except ack filling and full-depth repairs should be completed prior to application to clude re-striping. It should be understood that coal-tar based seal coating try due to heavy contamination of ground water.

baired over the years. As such, only a moderate amount, (approximately 15 e deflected. However, a large amount of random longitudinal and transverse munity indicating that the asphalt is nearing the end of its service life. We did e originally scheduled for 2019 had been performed. We have scheduled nearhe service life of the asphalt. These repairs are essential in order to achieve crack filling are scheduled progressively every six years throughout the study

s of the community. The footpath is in generally fair condition. We observed from the operations budget. The footpath restoration project is scheduled to

thickness of the concrete could not be visually determined. Their condition deficient concrete. Many sections are settled at curbs or between sections scaled surfaces. We have not scheduled replacement of sections with lesser year period. More severely distressed sections should be repaired in the first tion is scheduled to coincide with other concrete work to take advantage of tities of concrete may be more costly because of the difficulty of attracting ns. Uneven surfaces may be a tripping hazard, and any safety issues require repaired as soon as observed to prevent personal injury.

ce, concrete curbs. The curbs are generally in good condition with only a few observe any significantly damaged sections. As curbs age, cracks, vehicle ad gutter sections can normally be expected to fail in a typical 5-year period. d because full replacement is seldom required. Curb and gutter restoration is onomies of scale. Any settlement or surface-defect trip hazards should be

e prefinished metal units, each on two standard posts surface mounted to a of the units appear to be in fair condition. We have scheduled the near-term units.

ound structures. All observable components appear to be in good condition. rophic failure is not anticipated, it is prudent to plan for localized repairs and used to address localized erosion issues. This line item addresses potential eriod and does not represent a single expense or action already identified as

cost of future updates, which are performed on a five-year basis.

## CALENDAR OF EXPENDITURES TABLE 2 EXPLANATION

This table is a yearly plan of action of replacements and costs. A description of the columns in the table follows:

Column 1	Year is the year of the projected replacement and expenditure.
Column 2	<b>Component No.</b> itemizes the components and is consistent throughout the tables.
Column 3	Component is a brief description of the component.
Column 4	Present Cost is the cost for the cycle in today's dollars.
Column 5	Future Cost (Inflated) is the cost for the cycle in future dollars.
Column <b>6</b>	Total Annual Expenditures gives the total expenditures by year.

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Column 7 Action is an area provided for the Board to make notations as to action taken on each component.

## CALENDAR OF EXPENDITURES

TABLE 22020 Through 2039

			PRESENT COST	FUTURE COST	TOTAL ANNUAL	
YEAR	COMPONENT NO.	COMPONENT	2020	(INFLATED)	EXPENDITURES	ACTION
1	2	3	4	5	6	7
2020					2020	
	<u> </u>	Asphalt Seal Coat Asphalt Full-Depth Repair & Crack Fill Allowance	\$3,754	\$3,754	TOTAL EXPENDITURES	
	2.1	Concrete Sidewalks	\$2,783 \$861	\$2,783 \$861		
	2.2	Concrete Curbs & Gutters	\$480	\$480		
	4.1	Cyclic Updates	\$954	\$954		
					\$8,832	
2021					2021	
					NO EXPENDITURES	
2022				·	2022	
	3.1	Mailbox Modules	\$1,709	\$1,778	TOTAL EXPENDITURES	
2022					\$1,778	
2023					2023 NO EXPENDITURES	
2024					2024	
2027					NO EXPENDITURES	
2025					2025	
	2.1	Concrete Sidewalks	\$861	\$951	TOTAL EXPENDITURES	
	2.2	Concrete Curbs & Gutters	\$960	\$1,060		
	3.1	Mailbox Modules	\$3,317	\$3,662		
	4.1	Cyclic Updates	\$954	\$1,053	<b>*</b> 0.700	
2026					\$6,726 2026	
2020	1.1	Asphalt Restoration Project	\$35,750	\$40,260	TOTAL EXPENDITURES	
	1.3	Asphalt Full-Depth Repair & Crack Fill Allowance	\$6,957	\$7,835	TOTAL EXPENDITORES	
	1.4	Asphalt Footpath Restoration Project	\$1,702	\$1,917		
				+ · ] · · ·	\$50,012	
2027					2027	
	3.2	Storm Water Drainage System Allowance	\$5,400	\$6,203	TOTAL EXPENDITURES	
					\$6,203	
2028					2028 NO EXPENDITURES	
2029					2029	
2025					NO EXPENDITURES	
2030					2030	
	2.1	Concrete Sidewalks	\$861	\$1,050	TOTAL EXPENDITURES	
	2.2	Concrete Curbs & Gutters	\$960	\$1,171		
	4.1	Cyclic Updates	\$954	\$1,163		
					\$3,383	
2031						
2032					NO EXPENDITURES 2032	
2032	1.2	Asphalt Seal Coat	\$3,754	\$4,761	TOTAL EXPENDITURES	
	1.3	Asphalt Sear Coat Asphalt Full-Depth Repair & Crack Fill Allowance	\$1,739	\$2,206		
	3.2	Storm Water Drainage System Allowance	\$5,400	\$6,849		
			,	/	\$13,815	
2033					2033	
					NO EXPENDITURES	
2034					2034	
					NO EXPENDITURES	



## CALENDAR OF EXPENDITURES

TABLE 22020 Through 2039

			PRESENT COST	FUTURE COST	TOTAL ANNUAL	
YEAR	COMPONENT NO.	COMPONENT	2020	(INFLATED)	EXPENDITURES	
1	2	3	4	5	6	
2035					2035	
	2.1	Concrete Sidewalks	\$861	\$1,159	TOTAL EXPENDITURES	
	2.2	Concrete Curbs & Gutters	\$960	\$1,293		
	4.1	Cyclic Updates	\$954	\$1,284		
					\$3,735	
2036					2036	
					NO EXPENDITURES	
2037					2037	
	3.2	Storm Water Drainage System Allowance	\$5,400	\$7,561	TOTAL EXPENDITURES	
					\$7,561	
2038					2038	
	1.2	Asphalt Seal Coat	\$3,754	\$5,361	TOTAL EXPENDITURES	
	1.3	Asphalt Full-Depth Repair & Crack Fill Allowance	\$3,479	\$4,968		
					\$10,329	
2039					2039	
					NO EXPENDITURES	



## ACTION 7

### CURRENT FUNDING ANALYSIS CASH FLOW METHOD TABLE 3.0 EXPLANATION and, if applicable, ALTERNATIVE FUNDING ANALYSIS CASH FLOW METHOD TABLE 3.1, 3.2, 3,3 (etc.) EXPLANATION

Table 3.0 shows the financial picture over the twenty-year study period, using the current annual contribution and the reserve fund balance reported at the beginning of the study year. If the results of the study indicate a need to increase the annual contribution to maintain adequate balances throughout the study period, Table 3.1, and possibly, 3.2 will be provided for consideration. Alternatives might also be provided if a community is over-funded and desires to adjust the annual contribution downward.

Alternative funding may be achieved by increasing the annual contribution to a fixed yearly amount or by applying an annual escalation factor to increase contributions over time, or a combination of both methods. An inflation factor and interest income factor may be included in the calculations on this page.

A description of the columns in the table follows:

Year

Column 1

- Column 2 Total Asset Base of all common capital assets included in the reserve fund with costs adjusted for inflation.
- Column 3 Beginning Reserve Fund Balance is the reserve fund balance after all activity in the prior year is completed.
- Column 4 Annual Contribution, on Table 3, is the amount contributed annually to the reserve fund as reported by the Board of Directors. On the Alternative Funding Analysis tables (3.1, 3.2, etc.), the annual contribution is projected to maintain positive balances throughout the study period.
- Column 5 Interest Income, which is indicated in the heading of the table, is applied to the reserve fund balance and is accrued monthly throughout each year after the yearly expenditures are deducted. The interest income percentage may be varied to reflect actual experience of the community investments.
- Column 6 Capital Expenditures are annual totals of expenditures for each year of the study period adjusted by the inflation percentage listed in the heading of the table.
- Column 7 Ending Reserve Fund Balance is the result of the beginning reserve fund balance plus the annual contribution, plus interest income, less capital expenditures for the year.
- Column 8 Balance to Asset Base Ratio, expressed as a percentage, is the ratio between the ending reserve fund balance and the total asset base for that year. The ratio is useful to the analysts in understanding general financial condition, but there is no standard ratio as each community's condition and complexity varies.

#### **CURRENT FUNDING ANALYSIS** CASH FLOW METHOD TABLE 3

Annual Contribution To Reserves:



Annual Interest Income Factor:

Annual Inflation Factor:

Beginning Reserve Fund Balance: Contribution Percentage Increase: In Dollars 94,607 3.808 2.00% 2.00% 1.50% TOTAL ASSET **BEGINNING RESERVE ENDING RESERVE FUND** ANNUAL CONTRIBUTION INTEREST INCOME CAPITAL EXPENDITURES YEAR BASE **FUND BALANCE** BALANCE 7 2 3 4 5 2020 0 3,808 1,388 8,832 90.971 94,607 2021 0 90,971 3,884 1,406 0 96,261 2022 3.962 1.472 1,778 99.916 0 96.261 2023 0 99.916 1,542 0 105,500 4,041 2024 0 105.500 4.122 1.627 0 111.249 2025 0 111,249 4,204 1,660 6,726 110,387 2026 0 110,387 4,288 1,295 50,012 65,958 2027 0 65,958 4,374 981 6,203 65,111 2028 65,111 0 70,592 0 4,462 1.020 2029 0 70.592 4,551 1,103 0 76,246 2030 0 76,246 4,642 1,162 3,384 78,666 2031 0 78,666 4,735 1,227 0 84,628 2032 84.628 1.205 76.846 0 4.829 13.816 2033 0 76.846 4.926 1.201 0 82.973 2034 0 5,025 1,294 0 82,973 89,292 2035 0 89,292 5,125 1,360 3,736 92,041 2036 0 92,041 5,228 1,433 0 98,702 2037 0 98,702 5,332 1,473 7,561 97,945 2038 97,945 5,439 1,440 10,329 94,495 0 2039 0 94,495 5,548 0 101,515 1,472

STUDY PERIOD TOTALS

92,524 26,760 112,377

#### ALTERNATIVE FUNDING ANALYSIS CASH FLOW METHOD HYBRID APPROACH TABLE 3.1



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		Beginning Reserve Fund Balance:	Annual Contribution To Reserves:	Contribution Percentage Increase:	Annual Inflation Factor:	Annual Interest Income Factor:
In Dollars		94,607	3,808	1.00%	2.00%	1.50%
YEAR	TOTAL ASSET BASE	BEGINNING RESERVE FUND BALANCE	ANNUAL CONTRIBUTION	INTEREST INCOME	CAPITAL EXPENDITURES	ENDING RESERVE FUND BALANCE
1	2	3	4	5	6	7
2020	0	94,607	3,808	1,388	8,832	90,971
2021	0	90,971	2,945	1,398	0	95,314
2022	0	95,314	2,974	1,449	1,778	97,959
2023	0	97,959	3,004	1,504	0	102,467
2024	0	102,467	3,034	1,572	0	107,073
2025	0	107,073	3,064	1,587	6,726	104,999
2026	0	104,999	3,095	1,204	50,012	59,286
2027	0	59,286	3,126	870	6,203	57,079
2028	0	57,079	3,157	888	0	61,124
2029	0	61,124	3,189	949	0	65,262
2030	0	65,262	3,221	984	3,384	66,082
2031	0	66,082	3,253	1,025	0	70,360
2032	0	70,360	3,285	977	13,816	60,806
2033	0	60,806	3,318	945	0	65,070
2034	0	65,070	3,351	1,010	0	69,431
2035	0	69,431	3,385	1,046	3,736	70,126
2036	0	70,126	3,419	1,087	0	74,631
2037	0	74,631	3,453	1,094	7,561	71,617
2038	0	71,617	3,487	1,026	10,329	65,801
2039	0	65,801	3,522	1,023	0	70,346
	·		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
STU	DY PERIOD TOTALS		65,088	23,028	112,377	FULLY FUNDED BALANCE GOAL

## FUNDING ANALYSIS COMPONENT METHOD TABLE 4 EXPLANATION

Table 4 is a yearly list of annual contributions toward each component, which must be made to achieve 100% funding. The reserve fund balance is the balance at the beginning of the study year. The beginning reserve fund balance is applied, proportionately, to each component prior to calculating the yearly contribution for each component. Future costs (inflation) are factored into the replacement cycles. The annual contribution for each year is calculated in the bottom row of the study labeled **Annual Component Contribution Totals**. Interest and inflation are calculated at the same annual rates as the Cash Flow Method (Table 3).

- Column 1 Component Number is consistent throughout the tables.
- Column 2 Component is a brief description of the component.
- Columns **3 22** Years lists the annual contribution amount toward each component throughout the twenty-year study period, which is totaled at the bottom of the component table.

### **COMPONENT METHOD SUMMARY**

The component method summary computes the beginning reserve fund balance, the annual component contribution, the annual expenditures, and interest income. It then provides the ending reserve fund balance for each year of the study.

## FUNDING ANALYSIS COMPONENT METHOD TABLE 4

Beginning Reserve Fund Balance:

_	In Dollars		94,6	607																	
Component Number		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
T ASPHA	LT COMPONENTS																				
1.1	Asphalt Restoration Project	0	0	0	0	0	0	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
1.2	Asphalt Seal Coat	140	140	140	140	140	140	140	140	140	140	140	140	853	853	853	853	853	853	517	517
1.3	Asphalt Full-Depth Repair & Crack Fill Allow	483	483	483	483	483	483	351	351	351	351	351	351	791	791	791	791	791	791	1,781	1,781
1.4	Asphalt Footpath Restoration Project	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2 CONCR	ETE COMPONENTS																				
2.1	Concrete Sidewalks	71	71	71	71	71	202	202	202	202	202	223	223	223	223	223	246	246	246	246	246
2.2	Concrete Curbs & Gutters	79	79	79	79	79	225	225	225	225	225	249	249	249	249	249	275	275	275	275	275
<b>3 SITE FE</b>	ATURES																				
3.1	Mailbox Modules	0	0	462	462	462	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136
3.2	Storm Water Drainage System Allowance	0	0	0	0	0	0	0	510	510	510	510	510	1,455	1,455	1,455	1,455	1,455	1,607	1,607	1,607
4 ENGINI	ERING																				
4.1	Cyclic Updates	78	78	78	78	78	224	224	224	224	224	247	247	247	247	247	273	273	273	273	273
ANNU	AL COMPONENT CONTRIBUTION TOTALS	851	851	1,313	1,313	1,313	1,410	2,406	2,916	2,916	2,916	2,984	2,984	5,082	5,082	5,082	5,157	5,157	5,309	5,963	5,963

COMPONENT METHOD SUMMARY	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
BEGINNING RESERVE FUND BALANCE	94,607	88,062	90,250	91,159	93,859	96,601	92,755	46,570	44,010	47,614	51,273	51,672	55,461	47,606	53,448	59,379	61,739	67,871	66,687	63,377
PLUS ANNUAL COMPONENT CONTRIBUTION	851	851	1,313	1,313	1,313	1,410	2,406	2,916	2,916	2,916	2,984	2,984	5,082	5,082	5,082	5,157	5,157	5,309	5,963	5,963
CAPITAL EXPENDITURES	8,832	0	1,778	0	0	6,726	50,012	6,203	0	0	3,384	0	13,816	0	0	3,736	0	7,561	10,329	0
SUBTOTAL	86,626	88,913	89,785	92,472	95,172	91,285	45,149	43,283	46,926	50,530	50,873	54,656	46,727	52,688	58,530	60,800	66,896	65,619	62,321	69,340
PLUS INTEREST INCOME @ 1.50%	1,436	1,337	1,374	1,388	1,428	1,471	1,421	727	689	743	799	805	879	760	849	939	975	1,068	1,056	1,006
FULLY FUNDED RESERVE FUND BALANCE	88,062	90,250	91,159	93,859	96,601	92,755	46,570	44,010	47,614	51,273	51,672	55,461	47,606	53,448	59,379	61,739	67,871	66,687	63,377	70,346

PERCENT FUNDED FOR CURRENT CYCLE 276% EXPENDITURES 112,377 TOTAL CONTRIBUTIONS 66,968 TOTAL INTEREST 21,148	PERCENT FUNDED FOR CURRENT CYCLE 276%	TOTAL EXPENDITURES	112,377	TOTAL CONTRIBUTIONS	66,968		STUDY PERIOD TOTAL INTEREST	21,148
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AVERAGE ANNUAL	3.348
CONTRIBUTION	3,340

