

FACILITY CONDITION ASSESSMENT

Town of Atkinson 21 Academy Avenue Atkinson, New Hampshire 03811 David Cressman



LIBRARY 5 Academy Avenue Atkinson, New Hampshire 03813

PREPARED BY:

Bureau Veritas 10461 Mill Run Circle, Suite 1100 Owings Mills, Maryland 21117 800.733.0660 www.bvna.com

BV CONTACT: Kaustubh Anil Chabukswar Program Manager

800.733.0660 x7512

EMG PROJECT #: 141924.19R000-003.017

DATE OF REPORT: January 31, 2020

ON SITE DATE: January 16, 2020





TABLE OF CONTENTS

1.	Executive Summary	1
	Executive Summary Property Overview and Assessment Details	1
	Plan Types	2
	Significant/Systemic Findings and Deficiencies	3
	Facility Condition Index (FCI)	4
	Immediate Needs	5
	Key Findings	6
2.	Building and Site Information	
3.	Property Space Use and Observed Areas	0
4.	ADA Accessibility1	1
5.	Purpose and Scope	3
6.	Opinions of Probable Costs	5
	Methodology	15
	Definitions	15
	Certification	
8.	Appendices	8



1. Executive Summary

Property Overview and Assessment Details

General Information			
Property Type	Library		
Main Address	5 Academy Avenue, Atkinson, New Hampshire 03813		
Site Developed	2008		
Site Area	2.39 acres (estimated)		
Parking Spaces	37 total spaces all in open lots; 2 of which are accessible		
Building Area	11,600 SF		
Number of Stories	1 Floor		
Current Occupants	Library		
Percent Utilization	100%		
Date(s) of Visit	January 16, 2020		
Management Point of Contact	Bill Innes and Dave Weymouth 603.362.4750 phone email: <u>Bill.innes@myfairpoint.net</u>		
On-site Point of Contact (POC)	same as above		
Assessment and Report Prepared By	Chris Ledbetter		
Reviewed By	Al Diefert Technical Report Reviewer For Kaustubh Chabukswar Program Manager <u>kaustubh.chabukswar@bvna.com</u> 800.733.0660 x7512		

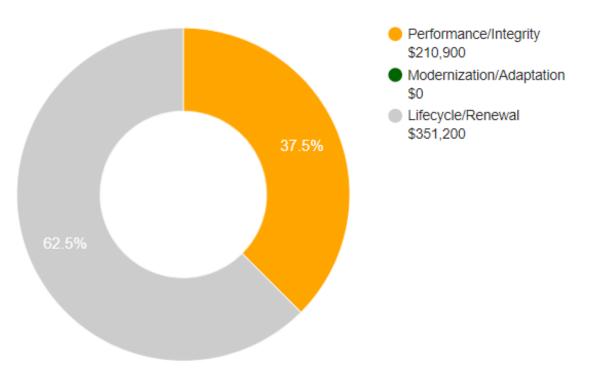


Plan Types

Each line item in the cost database is assigned a Plan Type, which is the primary reason or rationale for the recommended replacement, repair, or other corrective action. This is the "why" part of the equation. A cost or line item may commonly have more than one applicable Plan Type; however, only one Plan Type will be assigned based on the "best" fit, typically the one with the greatest significance.

Plan Type Descriptions					
Safety	•	An observed or reported unsafe condition that if left unaddressed could result in injury; a system or component that presents potential liability risk.			
Performance/Integrity	•	Component or system has failed, is almost failing, performs unreliably, does not perform as intended, and/or poses risk to overall system stability.			
Accessibility	•	Does not meet ADA, UFAS, and/or other handicap accessibility requirements.			
Environmental		Improvements to air or water quality, including removal of hazardous materials from the building or site.			
Retrofit/Adaptation		Components, systems, or spaces recommended for upgrades in in order to meet current standards, facility usage, or client/occupant needs.			
Lifecycle/Renewal	•	Any component or system that is not currently deficient or problematic but for which future replacement or repair is anticipated and budgeted.			

Plan Type Distribution (by Cost)



10-YEAR TOTAL: \$562,100



Significant/Systemic Findings and Deficiencies

Historical Summary

Information provided by the point of contact (POC) advised that the building (Library) was originally built in 2008. Since the original construction date, the roof was partially upgraded and there were a couple HVAC upgrades from 2012-2015. The rear roof was reconstructed in 2011. In 2014, the heat compressor and mini split located in IT room was both replaced.

Architectural

As the building is twelve years old, few components in the building have required replacement. Good maintenance practices have kept the buildings in good condition, but some components are beginning to show wear and are approaching the end of their expected lifespan. The fiber cement siding is loose due to incorrect installation, recommend immediate repairment. No drainage system on roof. This is causing deteriorating siding due to infiltration, gutter/downspout installation is recommended. Roof nails are not attached to attic truss. This was observed from attic, recommend a structural study to further analysis building structure stainability. An upgraded insulation is recommended for attic. The existing caulking for all windows should be considered for replacement as the expected lifespan has been reached. No other significant problems were observed. The rear roof of the building was replaced in 2011. The interior finishes are original to construction, typical lifecycle-based interior and exterior finish replacements are budgeted and anticipated.

Mechanical, Electrical, Plumbing and Fire (MEPF)

The electrical room does not have any cooling supply, installing a mini split is recommended. The building has (2) Air Handling Units, (2) Boilers, (2) Air cooled condensing units/heat pumps, (1) diesel generator, (1) mini split serving the IT room, and an individual unit heater serving the electrical room. All existing HVAC and Plumbing components appear adequately maintained. All distribution pumps should be considered for replacement in the next (3) years due to reaching its remaining useful life (RUL). The generator, heat compressor and mini split was reported to be all recently replaced from 2012-2015. The fire extinguishers, strobes, pull stations appear original to construction and should be replaced for reliability. Plumbing is comprised of copper and PVC with no apparent issues.

Site

The asphalt pavement has faded seal and stripe, replacement is recommended as it has reached its expected life span. The asphalt pavement also has a crack due to deterioration; cutting a patching the asphalt is recommended.

Recommended Additional Studies

The structure is in poor condition due to incorrect installation. The roof truss is not attached to supporting nails and exterior siding needs fastening. A professional structural engineer must be retained to analyze the existing condition, provide recommendations and, if necessary, estimate the scope and cost of any required repairs. The cost of this study is included in the cost tables.



Facility Condition Index (FCI)

One of the major goals of the FCA is to calculate each building's Facility Condition Index (FCI), which provides a theoretical objective indication of a building's overall condition. By definition, the FCI is defined as the ratio of the cost of current needs divided by current replacement value (CRV) of the facility. The chart below presents the industry standard ranges and cut-off points.

FCI Ranges and Description				
0 – 5%	In new or well-maintained condition, with little or no visual evidence of wear or deficiencies.			
5 – 10%	Subjected to wear but is still in a serviceable and functioning condition.			
10 – 30%	Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.			
30% and above	Has reached the end of its useful or serviceable life. Renewal is now necessary.			

The deficiencies and lifecycle needs identified in this assessment provide the basis for a portfolio-wide capital improvement funding strategy. In addition to the current FCI, extended FCI's have been developed to provide owners the intelligence needed to plan and budget for the "keep-up costs" for their facilities. As such the 3-year, 5-year, and 10-year FCI's are calculated by dividing the anticipated needs of those respective time periods by current replacement value. As a final point, the FCI's ultimately provide more value when used to relatively compare facilities across a portfolio instead of being over-analyzed and scrutinized as stand-alone values. The table below summarizes the individual findings for this FCA:

FCI Analysis | Library (2008)

Replacement Value \$ 3,619,200	Total SF 11,600	Cost/SF \$ 312	
Current		\$ 211,000	20.1 %
3-Year		\$ 331,300	31.6 %
5-Year		\$ 446,000	42.5 %
10-Year		\$ 562,100	53.6 %



-\$200,000

\$150,000

-\$100,000

Poor

Fair

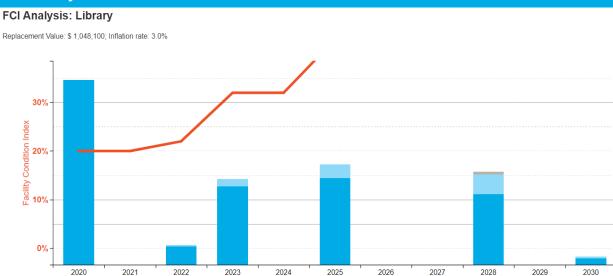
Good - \$50,000

- \$0

The orange line in the graph below forecasts what would happen to the FCI (left Y axis) over time, assuming zero capital expenditures. The capital expenditures allocated for each year (blue bars) are associated with the dollar amounts along the right Y axis.

Needs by Year with Unaddressed FCI Over Time

Reserve first occurances, unescalated



Immediate Needs

Facility/Building	Total Items	Total Cost
Total	0	\$0

Recurring replacements, unescalated

FCI. Unabated

Escalation, compounded



Key Findings



Exterior Wall in Poor condition.

Wood Clapboard Siding, 1-2 Stories Library Building exterior

Uniformat Code: B2011 Recommendation: **Repair in 2020** Priority Score: 90.0

Plan Type: Performance/Integrity

Cost Estimate: \$200,000

Priority Score: 90.0

Performance/Integrity

Cost Estimate: \$9,900

\$\$\$\$

Plan Type:

 \mathbf{SSSS}

Deteriorating siding from water infiltration, roof does not have drainage system. - AssetCALC ID: 1700117



Roof Structure (Decking) in Poor condition.

any type per man-day Library Attic

Uniformat Code: B3011 Recommendation: **Reroof in 2020**

Anchors not attached to truss in attic - AssetCALC ID: 1700171



Parking Lots in Poor condition.

Library Site

Uniformat Code: G2022 Recommendation: Cut and Patch in 2020

Cracked Asphalt - seal and stripe. - AssetCALC ID: 1700767

Priority Score: 87.0

Plan Type: Performance/Integrity

Cost Estimate: \$1,000

\$\$\$\$



2. Building and Site Information



Systems Summar	
SVSIAINS SHIMAR	V.
Oystems ourman	Υ.

System	Description	Condition
Structure	Conventional wood frame structure on concrete slab	Fair
Façade	Cement board siding with vinyl windows	Poor
Roof	Primary: Gable construction with asphalt shingles	Fair
Interiors	Walls: Painted gypsum board Floors: Carpet, VCT, and ceramic tile Ceilings: Painted gypsum board	Fair
Elevators	None	Fair
Plumbing	Copper supply and PVC waste and venting Gas domestic boilers with storage tanks Toilets, urinals, and sinks in all restrooms	Fair
HVAC	Central system with boilers, air handlers, and cooling feeding Individual package Supplemental components: ductless split-systems / suspended propane unit heater	Fair

Systems Summary						
Fire Suppression	Wet-pipe sprinkler system; hydrants, fire extinguishers					
Electrical	Source and Distribution: Main panel with copper wiring Interior Lighting: T-8, LED, CFL Emergency: Diesel generator					
Fire Alarm	Alarm panel, smoke detectors, alarms, strobes, pull stations, back-up emergency lights, and exit signs					
Equipment/Special Commercial kitchen equipment						
Site Pavement Asphalt lots with brick sidewalk and concrete stairs						
Site Development	Property entrance signage, CMU dumpster enclosures Limited park benches, picnic tables					
Landscaping and Limited landscaping features Topography Irrigation not present Brick retaining wall Low to moderate site slopes throughout						
Utilities	Municipal water and sewer Local utility-provided electric with local propane tanks					
Site Lighting	Pole-mounted: LED, incandescent Building-mounted: CFL					
Ancillary Structures	None					
Accessibility	Presently it does not appear an accessibility study is needed for this property.					

Systems Summary					
Key Issues and Findings	Loose siding, roof sheathing not correctly nailed to trusses in attic, cracked asphalt pavement. The CertainTeed make siding installed on the library does not seem to have been installed in accordance with the instructions from the manufacturer. This has been unearthed by a third party and dated 12/11/19.				
	 The BVNA assessor has confirmed that the siding installation was not performed as per the manual especially the butt end flashing. 				
	2. The bowing of the siding doesn't conform with the manufacture spec of $\frac{1}{2}$ " from the plane. This with the fact that the flashing is missing at the butt joint is leading the cement boards to absorb moisture and causing them to crack.				
	3. Further issues pointed out here are related to the Kickout flashing, without which the snow tends to pile down causing the paint to get damaged and exposing the siding to external weather.				
	4. The siding used is 7" in place of the recommended 4" siding.				
	5. The siding was attached to the plywood incorrectly thus leaving insufficient space to install the flashing. This has resulted in the water infiltration through the nail holes into the exterior envelope.				
	6. The water infiltration from the nail holes can potentially damage the plywood inside causing further issues with the building structure due to excessive rotting of wood.				
	 BVNA recommends removing the siding and replacing it with vinyl siding throughout the exterior facia. 				

	Immediate	Short Term	Near Term	Med Term	Long Term	
System	ininounito	(3 yr)	(5 yr)	(10 yr)	(20 yr)	TOTAL
Structure	-	-	-	-	-	-
Facade	\$100	-	-	-	\$88,600	\$88,700
Roofing	\$9,900	-	\$500	\$55,800	\$1,100	\$67,300
Interiors	-	\$1,600	\$110,600	-	\$151,200	\$263,400
Plumbing	-	\$14,800	-	-	\$48,900	\$63,600
Fire Suppression	-	-	\$200	-	\$200	\$400
HVAC	-	\$82,800	-	\$10,200	\$512,700	\$605,700
Electrical	-	-	\$1,700	\$22,700	\$170,700	\$195,100
Fire Alarm & Comm	-	\$16,400	-	-	\$25,500	\$41,900
Equipment/Special	-	\$1,300	\$1,700	-	\$4,300	\$7,300
Site Lighting	-	-	-	\$10,600	\$8,900	\$19,600
Pavement	\$1,000	\$3,500	-	\$4,100	\$91,700	\$100,300
Site Development	-	-	-	\$12,700	\$1,200	\$13,800
TOTALS	\$11,000	\$120,400	\$114,700	\$116,100	\$1,105,000	\$1,467,100



3. Property Space Use and Observed Areas

Unit Allocation

All 11,600 square feet of the property are occupied by the Town of Atkinson.

Areas Observed

The interior spaces were observed in order to gain a clear understanding of the property's overall condition. Other areas accessed included the site within the property boundaries, the exterior of the property, and the roofs from ground level.

Key Spaces Not Observed

All key areas of the property were accessible and observed.



4. ADA Accessibility

Generally, Title II of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of "areas of public accommodations" and "public facilities" on the basis of disability. Regardless of their age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

A public entity (i.e. city governments) shall operate each service, program, or activity so that the service, program, or activity, when viewed in its entirety, is readily accessible to and usable by individuals with disabilities.

However, this does not:

- 1. Necessarily require a public entity to make each of its existing facilities accessible to and usable by individuals with disabilities;
- 2. Require a public entity to take any action that would threaten or destroy the historic significance of an historic property; or
- 3. Require a public entity to take any action that it can demonstrate would result in a fundamental alteration in the nature of a service, program, or activity or in undue financial and administrative burdens. In those circumstances where personnel of the public entity believe that the proposed action would fundamentally alter the service, program, or activity or would result in undue financial and administrative burdens, a public entity has the burden of proving that compliance with 35.150(a) of this part would result in such alteration or burdens. The decision that compliance would result in such alteration or burdens must be made by the head of a public entity or his or her designee after considering all resources available for use in the funding and operation of the service, program, or activity, and must be accompanied by a written statement of the reasons for reaching that conclusion. If an action would result in such an alteration or such burdens, a public entity shall take any other action that would not result in such an alteration or such burdens but would nevertheless ensure that individuals with disabilities receive the benefits or services provided by the public entity.

During the FCA, EMG performed a limited high-level accessibility review of the facility non-specific to any local regulations or codes. The scope of the visual observation was limited to those areas and categories set forth in the tables throughout this report. It is understood by the Client that the limited observations described herein do not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of EMG's undertaking. Only a representative sample of areas was observed, and actual measurements were not taken to verify compliance.

The facility was originally constructed in 2008. The facility was not subsequently renovated. Complaints about accessibility issues have not been received by the property management. The property does not have associated pending litigation related to existing barriers or previously removed barriers.

An accessibility study has not been performed at the site. Although no significant issues were identified, a comprehensive ADA Compliance Survey may reveal specific aspects of the property that are not in full compliance.

Accessibility Issues							
	Major Issues (ADA study recommended)	Moderate Issues (ADA study recommended)	Minor/No Issues				
Parking			\boxtimes				
Exterior Path of Travel			\boxtimes				
Interior Path of Travel			\boxtimes				
Public Use Restrooms			\boxtimes				
Elevators			\boxtimes				
Kitchens/Kitchenettes			\boxtimes				



The table below is intended to be used as a general reference guide to help differentiate the orders of magnitude between some of the more commonly observed accessibility issues. The table is not intended to be all-inclusive, and boxes checked in the tables above do not necessarily mean those specific problems or shortcomings cited as examples below exist at the subject buildings and sites. Reference the photolog (in the appendix) and/or *Key Findings* section for visuals and/or more specifics about the subject site conditions.

Reference Guide			
	Major Issues	Moderate Issues	Minor/No Issues
	(ADA study recommended)	(ADA study recommended)	
Parking	 Needs full reconstruction Excessive slopes over 3% require major re-grading No level locations to add required spaces 	 No or non-compliant curb cuts Moderate difficulty to add required accessible spaces Slopes close to compliant 	 Painting of markings needed Signage height non-compliant Signage missing
Exterior Path of Travel	 Large areas of sidewalks with excessive slopes No ramp when needed Ramps with excessive slopes 	 Ramps need rails Ramps need rail extensions Need significant # of lever handles All or most entrance door exterior maneuvering clearance areas with excessive slopes 	 One entrance door exterior maneuvering clearance area with excessive slope A few door knobs instead of lever handles Non-compliant signage
Interior Path of Travel	 All or most interior doors appear less than 32" wide Corridors less than 36" wide No ramp when needed Ramps with excessive slopes Non-compliant treads/risers at means of egress stairways 	 Single height drinking fountains Drinking fountain too high or protrudes into accessible route Ramps need rails Ramps need rail extensions Need significant # of lever handles Non-compliant rail extensions at egress stairways All/most door thresholds high 	 One door threshold too high A few door knobs instead of lever handles Non-compliant door pressures Non-compliant signage Switches not within reach range
Public Use Restrooms	 No ADA RR on each accessible floor Restroom(s) too small Entire restroom(s) requires renovation Water closet clearance requires moving walls 	 Interior doors appear less than 32" wide Missing or non-compliant grab bars Easily fixable clearance issues 	 Minor height adjustments required Non-compliant door pressures Missing a visual strobe (only required if audible fire alarm already present) Missing lavatory pipe wraps Signage not compliant
Elevators	 No elevator present when required Elevator cab too small 	 Panel control buttons not at compliant height No hands-free emergency communication system Elevator only has mechanical stops 	 Audible/visual signals at every floor may be lacking Minor signage / Braille issues
Kitchens/Kitchenettes	 Clear space for each appliance not present Clearance between opposing counters too narrow 	 Sink and counter too high Sink knee and toe clearance not provided where required (built-in) Less than 50% of cabinetry within reach range 	 Dispensers not within reach range Switches not within reach range Missing sink pipe wraps if knee and toe clearance required



5. Purpose and Scope

Purpose

EMG was retained by the client to render an opinion as to the Property's current general physical condition on the day of the site visit.

Based on the observations, interviews and document review outlined below, this report identifies significant deferred maintenance issues, existing deficiencies, and material code violations of record, which affect the Property's use. Opinions are rendered as to its structural integrity, building system condition and the Property's overall condition. The report also notes building systems or components that have realized or exceeded their typical expected useful lives.

The physical condition of building systems and related components are typically defined as being in one of five condition ratings. For the purposes of this report, the following definitions are used:

Condition Ratings	
Excellent	New or very close to new; component or system typically has been installed within the past year, sound and performing its function. Eventual repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.
Good	Satisfactory as-is. Component or system is sound and performing its function, typically within the first third of its lifecycle. However, it may show minor signs of normal wear and tear. Repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.
Fair	Showing signs of wear and use but still satisfactory as-is, typically near the median of its estimated useful life. Component or system is performing adequately at this time but may exhibit some signs of wear, deferred maintenance, or evidence of previous repairs. Repair or replacement will be required due to the component or system's condition and/or its estimated remaining useful life.
Poor	Component or system is significantly aged, flawed, functioning intermittently or unreliably; displays obvious signs of deferred maintenance; shows evidence of previous repair or workmanship not in compliance with commonly accepted standards; has become obsolete; or exhibits an inherent deficiency. The present condition could contribute to or cause the deterioration of contiguous elements or systems. Either full component replacement is needed, or repairs are required to restore to good condition, prevent premature failure, and/or prolong useful life.
Failed	Component or system has ceased functioning or performing as intended. Replacement, repair, or other significant corrective action is recommended or required.
Not Applicable	Assigning a condition does not apply or make logical sense, most commonly due to the item in question not being present.



Scope

The standard scope of the Facility Condition Assessment includes the following:

- Visit the Property to evaluate the general condition of the building and site improvements, review available construction documents in order to familiarize ourselves with, and be able to comment on, the in-place construction systems, life safety, mechanical, electrical, and plumbing systems, and the general built environment.
- Identify those components that are exhibiting deferred maintenance issues and provide cost estimates for Immediate Costs and Replacement Reserves based on observed conditions, maintenance history and industry standard useful life estimates. This will include the review of documented capital improvements completed within the last five-year period and work currently contracted for, if applicable.
- Provide a full description of the Property with descriptions of in-place systems and commentary on observed conditions.
- Provide a high-level categorical general statement regarding the subject Property's compliance to Title III of the Americans
 with Disabilities Act. This will not constitute a full ADA survey, but will help identify exposure to issues and the need for
 further review.
- Obtain background and historical information about the facility from a building engineer, property manager, maintenance staff, or other knowledgeable source. The preferred methodology is to have the client representative or building occupant complete a Pre-Survey Questionnaire (PSQ) in advance of the site visit. Common alternatives include a verbal interview just prior to or during the walk-through portion of the assessment.
- Review maintenance records and procedures with the in-place maintenance personnel.
- Observe a representative sample of the interior spaces/units, including vacant spaces/units, to gain a clear understanding
 of the property's overall condition. Other areas to be observed include the exterior of the property, the roofs, interior
 common areas, and the significant mechanical, electrical and elevator equipment rooms.
- Provide recommendations for additional studies, if required, with related budgetary information.
- Provide an Executive Summary at the beginning of this report, which highlights key findings and includes a Facility Condition Index as a basis for comparing the relative conditions of the buildings within the portfolio.



6. Opinions of Probable Costs

Cost estimates are attached throughout this report, with the Replacement Reserves in the appendix.

These estimates are based on Invoice or Bid Document/s provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means, CBRE Whitestone,* and *Marshall & Swift,* EMG's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.

Opinions of probable costs should only be construed as preliminary, order of magnitude budgets. Actual costs most probably will vary from the consultant's opinions of probable costs depending on such matters as type and design of suggested remedy, quality of materials and installation, manufacturer and type of equipment or system selected, field conditions, whether a physical deficiency is repaired or replaced in whole, phasing or bundling of the work (if applicable), quality of contractor, quality of project management exercised, market conditions, use of subcontractors, and whether competitive pricing is solicited, etc. Certain opinions of probable costs cannot be developed within the scope of this guide without further study. Opinions of probable cost for further study should be included in the FCA.

Methodology

Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, EMG opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its *effective age*, whether explicitly or implicitly stated. Projections of Remaining Useful Life (RUL) are based primarily on age and condition with the presumption of continued use and maintenance of the Property similar to the observed and reported past use and maintenance practices, in conjunction with the professional judgment of EMG's assessors. Significant changes in occupants and/or usage may affect the service life of some systems or components.

Where quantities could not be or were not derived from an actual construction document take-off or facility walk-through, and/or where systemic costs are more applicable or provide more intrinsic value, budgetary square foot and gross square foot costs are used. Estimated costs are based on professional judgment and the probable or actual extent of the observed defect, inclusive of the cost to design, procure, construct and manage the corrections.

Definitions

Immediate Needs

Immediate Needs are line items that require immediate action as a result of: (1) material existing or potential unsafe conditions, (2) failed or imminent failure of mission critical building systems or components, or (3) conditions that, if not addressed, have the potential to result in, or contribute to, critical element or system failure within one year or will most probably result in a significant escalation of its remedial cost.

For database and reporting purposes the line items with RUL=0, and commonly associated with *Safety* or *Performance/Integrity* Plan Types, are considered Immediate Needs.

Replacement Reserves

Cost line items traditionally called Replacement Reserves (equivalently referred to as Lifecycle/Renewals) are for recurring probable renewals or expenditures, which are not classified as operation or maintenance expenses. The replacement reserves should be budgeted for in advance on an annual basis. Replacement Reserves are reasonably predictable both in terms of frequency and cost. However, Replacement Reserves may also include components or systems that have an indeterminable life but, nonetheless, have a potential for failure within an estimated time period.

Replacement Reserves generally exclude systems or components that are estimated to expire after the reserve term and are not considered material to the structural and mechanical integrity of the subject property. Furthermore, systems and components that are not deemed to have a material effect on the use of the Property are also excluded. Costs that are caused by acts of God, accidents, or other occurrences that are typically covered by insurance, rather than reserved for, are also excluded.



Replacement costs are solicited from ownership/property management, EMG's discussions with service companies, manufacturers' representatives, and previous experience in preparing such schedules for other similar facilities. Costs for work performed by the ownership's or property management's maintenance staff are also considered.

EMG's reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the assessment period. The assessment period is defined as the effective age plus the reserve term. Additional information concerning system's or component's respective replacement costs (in today's dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Replacement Reserves Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined as Immediate Needs.

For the purposes of 'bucketizing' the System Expenditure Forecasts in this report, the Replacement Reserves have been subdivided and grouped as follows: Short Term (years 1-3), Near Term (years 4-5), Medium Term (years 6-10), and Long Term (years 11-20).

Key Findings

In an effort to highlight the most significant cost items and not be overwhelmed by the Replacement Reserves report in its totality, a subsection of Key Findings is included within the Executive Summary section of this report. Key Findings typically include repairs or replacements of deficient items within the first five-year window, as well as the most significant high-dollar line items that fall anywhere within the ten-year term. Note that while there is some subjectivity associated with identifying the Key Findings, the Immediate Needs are always included as a subset.

Exceedingly Aged

A fairly common scenario encountered during the assessment process, and a frequent source of debate, occurs when classifying and describing "very old" systems or components that are still functioning adequately and do not appear nor were reported to be in any way deficient. To help provide some additional intelligence on these items, such components will be tagged in the database as Exceedingly Aged. This designation will be reserved for mechanical or electrical systems or components that have aged well beyond their industry standard lifecycles, typically at least 15 years beyond and/or twice their Estimated Useful Life (EUL). In tandem with this designation, these items will be assigned a Remaining Useful Life (RUL) not less than two years but not greater than 1/3 of their standard EUL. As such the recommended replacement time for these components will reside outside the typical Short Term window but will not be pushed 'irresponsibly' (too far) into the future.



7. Certification

The Town of Atkinson (the Client) retained EMG to perform this Facility Condition Assessment in connection with its continued operation of the Library, located at 5 Academy Avenue, Atkinson, New Hampshire 03813, the "Property". It is our understanding that the primary interest of the Client is to locate and evaluate materials and building system defects that might significantly affect the value of the property and to determine if the present Property has conditions that will have a significant impact on its continued operations.

The conclusions and recommendations presented in this report are based on the brief review of the plans and records made available to our Project Manager during the site visit, interviews of available property management personnel and maintenance contractors familiar with the Property, appropriate inquiry of municipal authorities, our Project Manager's walk-through observations during the site visit, and our experience with similar properties.

No testing, exploratory probing, dismantling or operating of equipment or in-depth studies were performed unless specifically required under the *Purpose and Scope* section of this report. This assessment did not include engineering calculations to determine the adequacy of the Property's original design or existing systems. Although walk-through observations were performed, not all areas may have been observed (see Section 1 for specific details). There may be defects in the Property, which were in areas not observed or readily accessible, may not have been visible, or were not disclosed by management personnel when questioned. The report describes property conditions at the time that the observations and research were conducted.

This report has been prepared on behalf of and exclusively for the use of the Client for the purpose stated within the *Purpose and Scope* section of this report. The report, or any excerpt thereof, shall not be used by any party other than the Client or for any other purpose than that specifically stated in our agreement or within the *Purpose and Scope* section of this report without the express written consent of EMG.

Any reuse or distribution of this report without such consent shall be at the Client and the recipient's sole risk, without liability to EMG.

Prepared by:

Chris Ledbetter Project Manager

Reviewed by:

adufi

Al Diefert Technical Report Reviewer for Kaustubh Chabukswar, Program Manager <u>kaustubh.chabukswar@bvna.com</u> 800.733.0660 x7512



8. Appendices

- Appendix A: Photographic Record
- Appendix B: Site Plan
- Appendix C: Pre-Survey Questionnaire
- Appendix D: Component Condition Report
- Appendix E: Replacement Reserves



Appendix A: Photographic Record

#1

#3

#5

OVERVIEW

1......

田 田 田



FRONT ELEVATION

#2



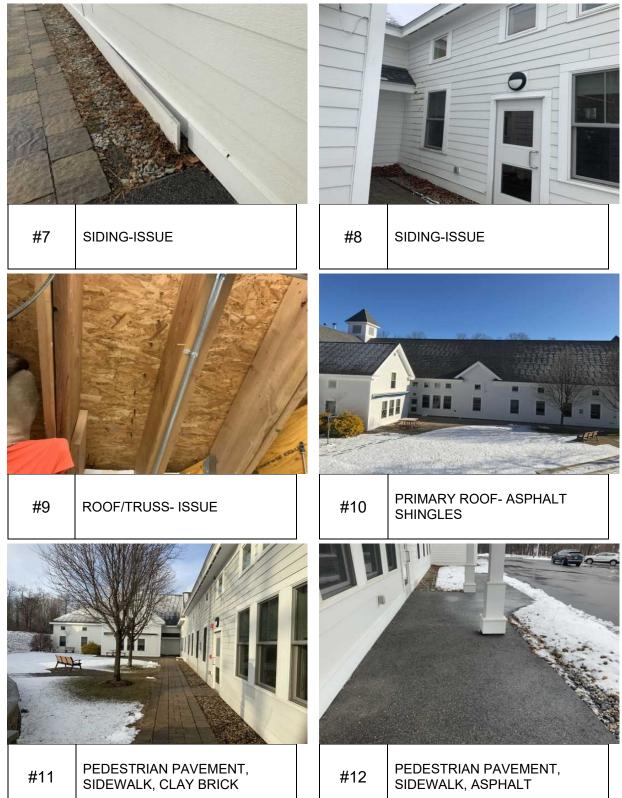
LEFT ELEVATION

REAR ELEVATION

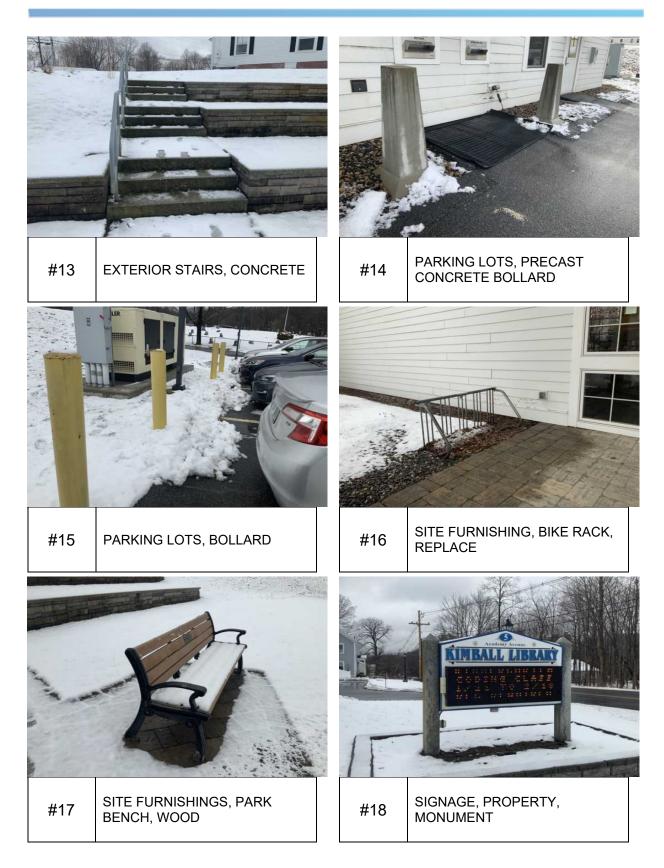








www.EMGcorp.com p 800.733.0660



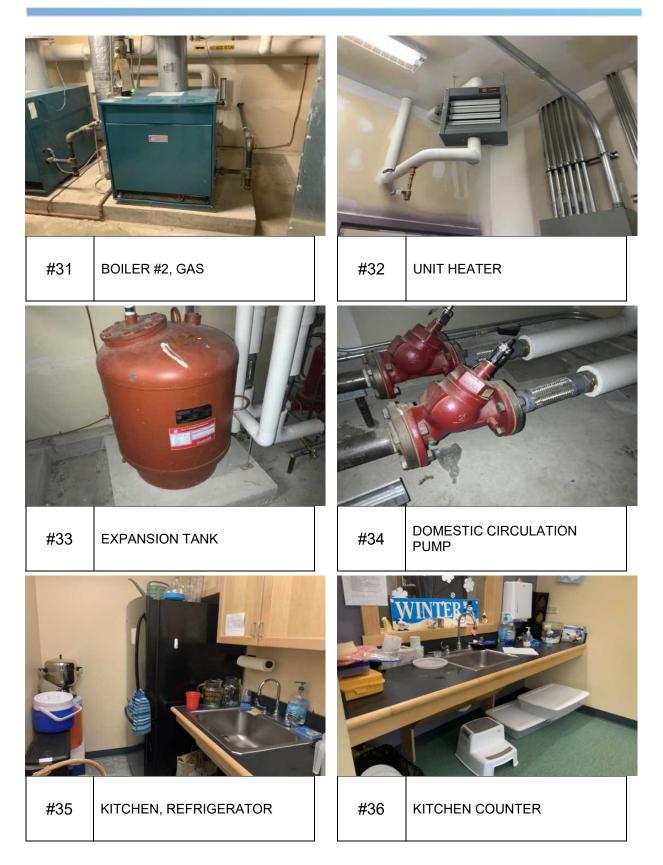




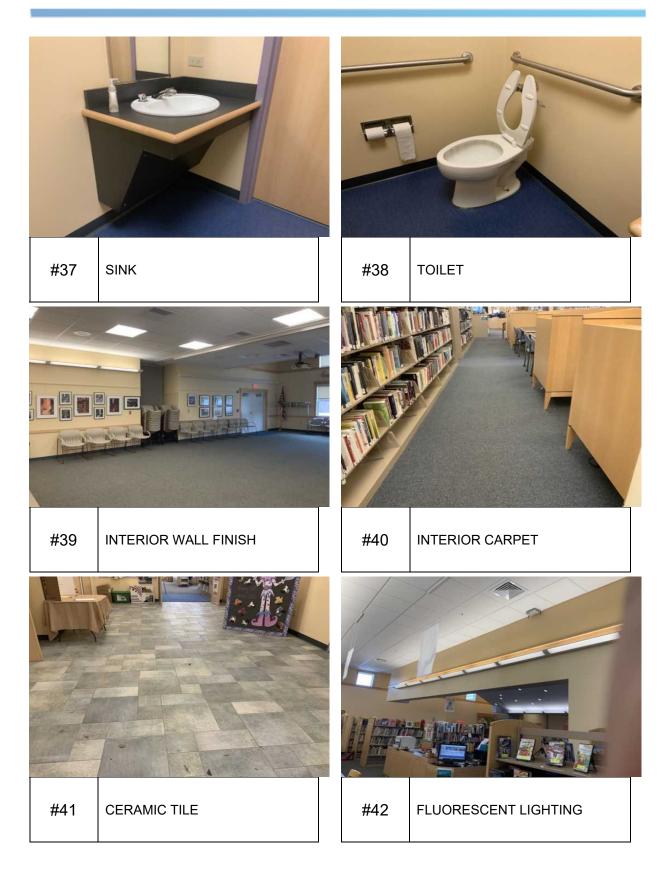




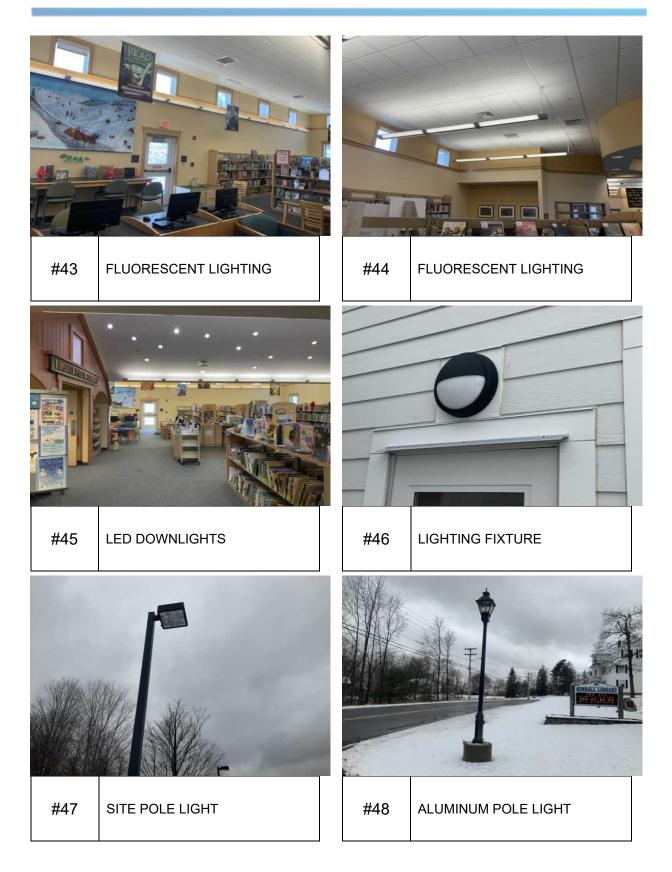






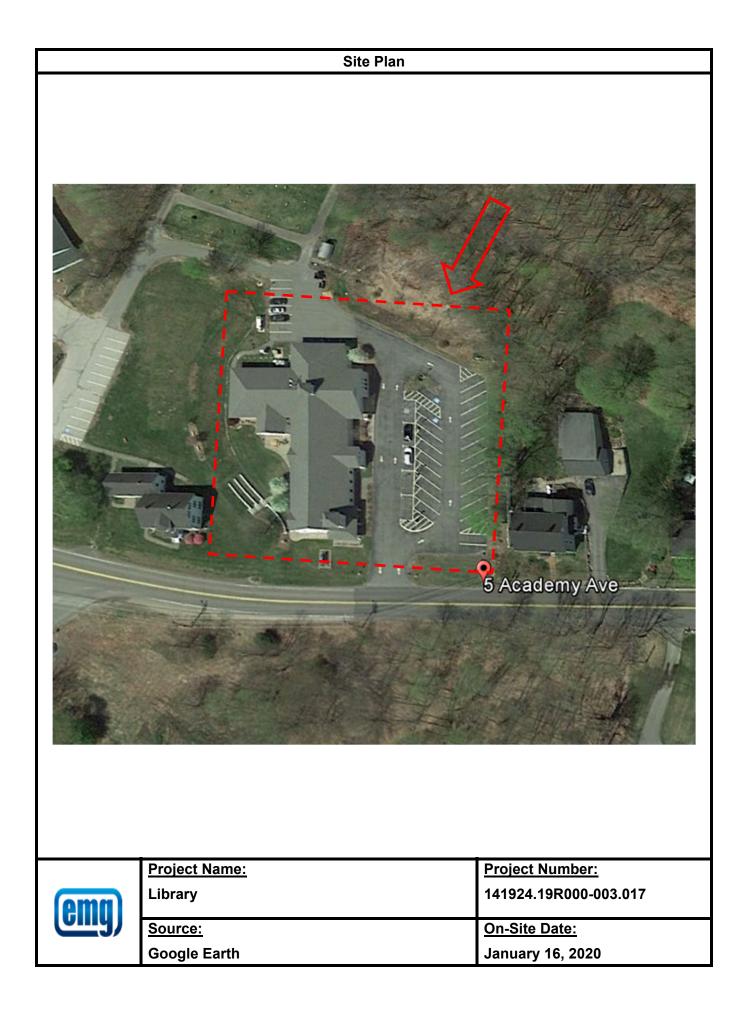






Appendix B: Site Plan





Appendix C: Pre-Survey Questionnaire





This questionnaire must be completed by the property owner, the owner's designated representative, or someone knowledgeable about the subject property. If the form is not completed, EMG's Project Manager will require **additional** *time* during the on-site visit with such a knowledgeable person in order to complete the questionnaire. During the site visit, EMG's Field Observer may ask for details associated with selected questions. This questionnaire will be utilized as an exhibit in EMG's final report.

Name of Institution:	Town of Atkinson, New Hampshire				
Name of Building: Library	Building #: 141924-19R000-003.017				
Name of person completing questionnaire: Bill Innes and Dave Weymouth					
Length of Association with the Property: 14 years			Phone Number: 603-362-4750		

Site Information								
Year of Construction?	2008							
No. of Stories?	1 Floor.							
Total Site Area?	2.39 Acres							
Total Building Area?	11,600 Sqft							
Parking	Open Pa	irking	Enclosed	Parking	Pa	artly Enclosed Parking	Is parking Heated?	
Parking Area?	7,160 Sqft			Sqft		Sqft	Yes /No	
Area Heated (%)	100%							
Area Cooled (%)	100% Cool	ing Equ	uipment Red	dundancy	?N/	// N+1 // N+2 // >2	N	
Total Conditioned Area (%)	100%							
Primary Heating System?	Propane							
Secondary Heating System?	None							
If Oil Used For Heating- Tank Capacity		Gal	lons			No. of Tanks		
Primary Cooling System & Capacity?	Electric							
Do Any HVAC Systems Use R-11, R-12 or R-22 Refrigerants?	Yes							
	Elec. Natural Gas Propane No.2 Oil Dist. Steam							
Primary Heating Fuel?								
Secondary Heating Fuel?								
Domestic Water Heater Fuel?	Х							

Building Occupancy/Schedule							
Facility Occupancy (avg. people ea. day)	Varies - 100+ people per day						
After Hours Facility Occupancy(avg. people /day)	Varies – 1 person 1 day per week						
Standard Staff Work Timing	<u>10:00</u> AM - <u>8:00</u> PM						
Maintenance Staff Hours	None						
Number of Computers at Site	22 + 10 chrombooks						
Day	Hours open to Public	Hours open to Staff					
Monday	10:00 AM - 8:00 PM	<u>10:00 AM - 8:00 PM</u>					
Tuesday	10:00 AM - 8:00 PM	10:00 AM - 8:00 PM					
Wednesday	10:00 AM - 8:00 PM	<u>10:00 AM - 8:00 PM</u>					
Thursday	10:00 AM - 8:00 PM	<u>10:00 AM - 8:00 PM</u>					
Friday	10:00 AM - 8:00 PM	<u>10:00 AM - 8:00 PM</u>					
Saturday	<u>10:00 AM - 3:00 PM</u>	<u>10:00 AM - 3:00 PM</u>					

1 Building Assessment & Project Management Group | Asset Management Consulting



Sunday	Closed	Closed
Number of Months the Facility Operates in a Year?	12 Months	
Estimated Percentage of Male Staff and Guests		

Inspections	Date of Last Inspection	List of Any Outstanding Repairs Required
1. Elevators	None	
2. HVAC Mechanical, Electric, Plumbing?	February 2019	
3. Life-Safety/Fire?	April 2019	
4. Roofs?	Don't Inspect	

Key Questions	Response
Major Capital Improvements in Last 3 yrs.	None
Planned Capital Expenditure For Next Year?	None
Age of the Roof?	11 years
What bldg. Systems Are Responsibilities of Tenants? (HVAC/Roof/Interior/Exterior/Paving)	None

Unk = Unknown, NA = Not Applicable	Yes	No	NA	Unk	Comments
1. Are the plumbing fixtures Low Flow (Below 2.0GPM, .6GPF)				x	
2. Are there any vacant buildings or significant building areas?		х			
3. Do tenants pay for utilities at leased properties?		Х			
4. Does the owner pay for exterior site lighting electricity?	Х				
5. Any Issues with exterior Lighting?		Х			

Building Structure									
		Y/N		Y/N		Y/N	Additional Comments?		
Roof Type:	Pitched?	Y	Flat		Both				
Attic Insulation:	Batt		Cellulose		Fiberglass		Unknown		
Window Frame:	Wooden	Y	Vinyl		Metal				
Window Glazing:	Single		Double	Y	Triple				
Structure	Wooden	Y	Metal		Conc.				

Building Lighting						
Type of Linear Fluorescent Lamps? (T8/T12)	LED	Exterior Lighting Control				
		(Timer/Photocell)				
Type of Common Lamps? (Incan/CFLs)	LED	Exterior Light Timing	Dawn to Dusk			
Lighting Sensors? (Y/N)		EXIT Lights (Incan/Fluor/LED)	LED			

Other Systems								
Item	Qty		Selection	Utility Company / Provider Name				
# of Elevators	0	Hydraulic/Traction		N/A				
# of Electric Meters	1	Master/ Direct						
# of Nat. Gas Meters	0	Resi/Commercial/Indust.						



# of Water Meters	1		
# of Backup Generator	1	Fuel: Propane	

Preventive Maintenance of Mechanical System								
Systems	Annual Professional Maintenance	Seldom or Never Maintained						
Tenant Space Heating Systems (<i>Furnace/Boilers/Heat pumps</i>)	X							
Tenant Space Cooling Systems (Split /Window AC)	Х							
Domestic Water Heaters		X						

Building Appliances								
	Value	Additional Comments?						
Percentage of Energy Star Certified Refrigerators	%	Unknown						
Percentage of Refrigerators older than 8 years	%	2 - Unknown						
Cooking Range Type (Electric/Gas/Propane)								
Laundry System (Leased/Owned)	None							
No. of Washers	None							
No. of Dryers	None							

N				•		ase provide additional details in the Comments column, or ates " <i>Not Applicable</i> ", Unk indicates " <i>Unknown</i> ")
	QUESTION	Υ	Ν	Unk	NA	Comments
	Zon	IING, E	Build	ING DES	BIGN &	LIFE SAFETY ISSUES
1	Are there any unresolved building, fire, or zoning code issues?	х				Siding
2	Is there any pending litigation concerning the property?		Х			
3	Are there any other significant issues/hazards with the property?		Х			
4	Are there any unresolved construction defects at the property?	х				Siding
5	Has any part of the property ever contained visible suspect mold growth?		x			
6	Is there a mold Operations and Maintenance Plan?		Х			
7	Are there any recalled fire sprinkler heads (Star, GEM, Central, and Omega)?		х			
8	Have there been indoor air quality or mold related complaints from tenants?		х			



				GENE	ERAL S	SITE
9 Are there any problems with erosion, storm water drainage or areas of paving that do not drain?			x			
10	Are there any problems with the landscape irrigation systems?		х			
			В	UILDING	S STRI	JCTURE
11	Are there any problems with foundations or structures?		х			
12	Is there any water infiltration in basements or crawl spaces?		х			
13	Has a termite/wood boring insect inspection been performed within the last year?		х			
				Building		
N						ase provide additional details in the Comments column, or ates " <i>Not Applicable</i> ", Unk indicates " <i>Unknown</i> ")
	QUESTION	Y	Ν	Unk	NA	COMMENTS
14	Are there any wall, or window leaks?		х			
15	Are there any roof leaks?		х			
16	Is the roofing covered by a warranty or bond?	Х				
17	Are there any poorly insulated areas?	х				Thermal scan issues
18	Is Fire Retardant Treated (FRT) plywood used?		х			
19	Is exterior insulation and finish system (EIFS) or a synthetic stucco finish used?		х			
		1	1	Ĩ	1	
20	Are there any leaks or pressure problems with natural gas service?		х			
21	Does any part of the electrical system use aluminum wiring?		х			
22	Do Commercial units have less than 200-Amp service?		х			
23	Are there any problems with the utilities, such as inadequate capacities?		х			



					ADA	
25	Has the management previously completed an ADA review?		х			
26	Have any ADA improvements been made to the property?		х			
27	Does a Barrier Removal Plan exist for the property?		х			
28	Has the Barrier Removal Plan been approved by an arms-length third party?		x			
N						ase provide additional details in the Comments column, or ates " <i>Not Applicable</i> ", Unk indicates <i>"Unknown"</i>)
	QUESTION	Υ	Ν	Unk	NA	Comments
29	Has building ownership or management received any ADA related complaints?		х			
30	Does elevator equipment require upgrades to meet ADA standards?				х	
				PLU	JMBIN	G
31	Is the property served by private water well?		х			
32	Is the property served by a private septic system or other waste treatment systems?	х				
33	Is polybutylene piping used?		х			
34	Are there any plumbing leaks or water pressure problems?		х			

	Issues or Concerns That EMG Should Know About?								
1.									
2.									
3.									

Items Provided to EMG Auditors								
	Yes	No	N/A	Additional Comments?				
Access to All Mechanical Spaces	Х							
Access to Roof/Attic Space	Х							
Access to Building As-Built Drawings	Х							
Site plan with bldg., roads, parking and other features	Х							
Access to last 12/24 Months Common Area Utility Data	Х							
Contact Details of Mech, Elevator, Roof, Fire								
Contractors:	Х							
Previous reports pertaining to the physical condition of	Х							



property.			
ADA survey and status of improvements implemented.	х		
Current / pending litigation related to property condition.	Х		
Any brochures or marketing information.	Х		
Appraisal, either current or previously prepared.	Х		
Summary of Projects executed in last 5 years	Х		

_Bill Innes_____

Signature of person Interviewed or completing form

January 7 2020 Date

Appendix D: Component Condition Report



Component Condition Report

Library

UF Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
Structure						
B1015	Site	Good	Exterior Stairs, Concrete	50 SF	38	1700148
Facade						
B2011	Building exterior	Good	Exterior Wall, Fiber Cement Siding, 1-2 Stories	5,500 SF	33	1700115
B2011	Building exterior	Poor	Exterior Wall, Wood Clapboard Siding, 1-2 Stories, Repair	2 SF	0	1700117
B2021	Building exterior	Fair	Window, 12 SF	41	18	1701014
B2021	Building exterior	Good	Window, 12 SF	32	18	1701015
B2023	Building exterior	Fair	Storefront, Metal-Framed Windows w/out Door(s)	150 SF	18	1700141
B2032	Building exterior	Fair	Exterior Door, Steel	1	28	1700127
B2032	Building exterior	Good	Exterior Door, Steel	2	28	1700155
B2032	Building exterior	Fair	Exterior Door, Steel	2	28	1700120
B2032	Building exterior	Good	Exterior Door, Steel	3	28	1700142
B2032	Building exterior	Good	Exterior Door, Steel	1	28	1700152
Roofing						
B3011	Attic	Poor	Roof, any type per man-day, Repair	9	0	1700171
B3011	Roof	Fair	Roof, Asphalt Shingle 20-Year	11,600 SF	8	1700186
B3016	Building exterior	NA	Gutters & Downspouts, Aluminum w/ Fittings, Install	30 LF	20	1700183
B3019	Building exterior	Fair	Awning, 24 SF	2	5	1700185
Interiors						
C1017	Children Room	Good	Interior Window, 6 SF	1	28	1700101
C1021	Hallway	Good	Interior Door, Wood Solid-Core	3	28	1700106
C1021	Children Room	Good	Interior Door, Wood Solid-Core w/ Glazing Decorative High-End	1	28	1700168
C1021		Good	Interior Door, Wood Solid-Core	1	28	1700111
C1021	Hallway	Fair	Interior Door, Wood Solid-Core w/ Glazing Decorative High-End	2	28	1700169
C1021	Hallway	Good	Interior Door, Steel w/ Extensive Glazing	1	28	1700176
C2011	Attic	Good	Interior Stairs, Metal or Pan-Filled	30 SF	38	1700177
C3012	Throughout building	Fair	Interior Wall Finish, any surface, Prep & Paint	11,600 SF	5	1700161
C3024	Hallway	Fair	Interior Floor Finish, Ceramic Tile	500 SF	28	1700139
C3024	Children Room	Fair	Interior Floor Finish, Vinyl Tile (VCT)	300 SF	3	1700150
C3025	Throughout building	Fair	Interior Floor Finish, Carpet Commercial Standard	10,400 SF	5	1700151
Plumbing						
D2011	Children Room	Good	Toilet, GPF	1	18	1700164
D2011	Family restroom	Good	Toilet, GPF	1	18	1700103
D2011	Woman restroom	Good	Toilet, GPF	1	18	1700096
D2011	Men's restroom	Good	Toilet, GPF	1	18	1700162
D2011	Children Room	Good	Toilet, GPF	1	18	1700131
D2014	Children Room	Good	Sink/Lavatory, Wall-Hung, Vitreous China	1	18	1700098
D2014	Woman restroom	Good	Sink/Lavatory, Wall-Hung, Vitreous China	1	18	1700100
D2014	Family restroom	Good	Sink/Lavatory, Wall-Hung, Vitreous China	1	18	1700125

Library

JF Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D2014	Children Room	Good	Sink/Lavatory, Wall-Hung, Vitreous China	1	18	1700114
02014	Children Room	Good	Commercial Kitchen Sink, Stainless Steel, 1-Bowl	1	18	1700104
2014	Kitchen	Good	Commercial Kitchen Sink, Stainless Steel, 1-Bowl	1	18	1700154
02014	Men's restroom	Good	Sink/Lavatory, Wall-Hung, Vitreous China	1	18	1700163
02023	Attic	Fair	Domestic Circulation Pump, .75 HP	1	3	1700172
02023	Attic	Fair	Domestic Circulation Pump, .50 HP	1	3	170018
2023	Attic	Fair	Domestic Circulation Pump, .75 HP	1	3	170013
2023	Attic	Fair	Domestic Circulation Pump, .75 HP	1	3	170012
02023	Attic	Fair	Domestic Circulation Pump, .5 HP	1	3	170016
ire Suppression	l					
04031	Throughout building	NA	Fire Extinguisher, Type ABC, up to 20 LB	1	4	170012
VAC						
03021	Attic	Good	Boiler, 20 - 125 MBH [Boiler 1]	1	18	170018
3021	Attic	Good	Boiler, 20 - 125 MBH [Boiler 2]	1	18	170011
3022	Attic	Good	Expansion Tank, GAL	1	27	170011
3032	Site	Fair	Condensing Unit/Heat Pump, 12.5 TON	1	2	170018
3032	Site	Fair	Condensing Unit/Heat Pump, 30 TON [ACUU-2]	1	3	170010
3032	Site	Fair	Ductless Split System, .75 - 1 TON	1	10	170102
3041	Attic	Good	Air Handler (AHU), 30,000 CFM [AHU-1]	1	18	170013
3041	Attic	Good	Air Handler (AHU), 30000 CFM [AHU-2]	1	18	170016
3044	Attic	Fair	Distribution Pump, 3 HP [HWP-3]	1	3	170010
3044	Attic	Fair	Distribution Pump, 3 HP [HWP-4]	1	3	170016
3051	Attic	Fair	Unit Heater, 11 - 25 MBH	1	8	170013
lectrical						
5012	Electrical room	Good	Main Distribution Panel, 200 AMP [PP1]	1	18	170011
5012	Electrical room	Good	Main Distribution Panel, 225 AMP [PP2]	1	18	170018
5012	Attic	Good	Main Distribution Panel, 600 AMP [MDP]	1	18	170014
5012	Electrical room	Good	Main Distribution Panel, 200 AMP [MP1]	1	18	170015
5012	Site	Fair	Transfer Switch, 600 AMP	1	13	170014
5012	Attic	Good	Main Distribution Panel, 200 AMP [MP2]	1	18	170009
5012	Electrical room	Good	Main Distribution Panel, 225 AMP [PP3]	1	18	170010
5022	Main Library	Fair	LED Lighting Fixture, 11 WATT	4	10	170015
5022	Building exterior	Fair	LED Lighting Fixture, 20 WATT	7	8	170009
5022	Main Library	Fair	Fluorescent Lighting Fixture, 32 WATT	50	8	170014
5022	Site	Fair	LED Lighting Fixture, 15 WATT	2	8	170009
5022	Building exterior	Fair	Compact Fluorescent Lighting Fixture, 32 WATT	4	8	170015
5029	Children Room	Fair	Lighting System, 100	500 SF	10	170011
)5092	Site	Good	Generator, 105 - 125 kW	1	17	170100
05092	Throughout building	Fair	Emergency/Exit Combo LED	5	5	170012

Library

UF Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D5037	Hallway	Fair	Fire Alarm Control Panel, Addressable	1	3	1700175
Equipment/Spec	cial					
E1028	Hallway	Fair	Defibrillator (AED), Cabinet Mounted	1	5	1700159
E1094	Kitchen	Fair	Residential Appliances, Refrigerator, 14-18 CF	1	3	1700135
2012	Children Room	Fair	Kitchen Counter, Plastic Laminate, Postformed	5 LF	3	1700178
E2012	Kitchen	Good	Kitchen Counter, Plastic Laminate, Postformed	6 LF	3	1700143
Pavement						
G2022	Site	Poor	Parking Lots, Cut & Patch	182 SF	0	1700767
G2022	Site	Fair	Parking Lots, Asphalt Pavement, Seal & Stripe	7,160 SF	3	1700766
G2022	Site	Fair	Parking Lots, Asphalt Pavement, Mill & Overlay	7,160 SF	13	1700102
G2023	Site	Good	Parking Lots, Bollard	4	18	1700145
G2023	Site	Good	Parking Lots, Bollard	2	18	1700122
G2031	Site	Good	Pedestrian Pavement, Sidewalk, Clay Brick/Masonry Pavers	600 SF	18	1700158
G2031	Site	Fair	Pedestrian Pavement, Sidewalk, Asphalt	100 SF	13	1700149
Site Developme	nt					
G2042	Site	Fair	Retaining Wall, Brick/Stone (per SF Face)	580 SF	28	1700764
G2044	Site	Fair	Signage, Property, Monument/Pylon, Replace/Install	1	8	1700147
G2045	Site	Fair	Site Furnishings, Bike Rack	1	13	1700167
G2045	Site	Fair	Site Furnishings, Park Bench, Metal/Wood/Plastic	1	8	1700170
G2049	Site	Good	Dumpster Accessories, Concrete Pad, Replace/Install	20 SF	38	1700094
Site Lighting						
G4021	Site	Fair	Aluminum Pole, 8 - 16 FEET, Replace/Install	3	18	1700136
G4021	Site	Fair	Site Pole Light, 80 - 100 WATT, Replace/Install	2	8	1700123

Appendix E: Replacement Reserves



Replacement Reserves Report

Library

12/3/2020

Location	2020	2021 2022	2023	2024	4	202	5 2	026	2027	2028	2029	2030	2031	2032	2033	203	34	2035	2036	2037	2038	2039	2040	Total Escalated Est
.ibrary	\$210,901	\$0 \$22,491		\$169		\$114,536		\$0	\$0	\$106,355	\$0	\$9,757	\$0	\$0	\$80,229	\$22		\$153,927	\$0	\$130,906	\$739,319	\$0	\$488	\$1,66
rand Total								\$0	\$0	\$106,355	\$0		\$0			\$22		\$153,927	\$0	\$130,906			\$488	
and Iotai	\$210,901	\$0 \$22,491	\$97,878	\$169		\$114,536		şυ	φU	\$106,355	şυ	\$9,757	şυ	\$0	\$80,229	\$22		\$155,927	φU	\$130,900	\$739,319	\$0	\$400	\$1,66
iformat Coo		Didiana di O Otaniana Danasia	Lifespan (E			QuantityUni		* Subtotal		2021 2022 2023	3 2024 202	25 2026 2	2027 2028 20)29 2030	2031 2032	2033 2034	4 2035	2036 203	37 2038 2	039 2040 Deficier				
2010	1700117 Exterior Wall, Wood Clapboard S	Siding, 1-2 Stories, Repair	0	12	0			.00 \$200,000											AA A AA		\$200,000			
2020	1701014 Window, 12 SF, Replace		30	12	18			.00 \$24,600											\$24,600		\$24,600			
32020	1701015 Window, 12 SF, Replace		30	12	18			.00 \$19,200											\$19,200		\$19,200			
B2020	1700141 Storefront, Metal-Framed Window	ws w/out Door(s), Replace	30	12	18			.00 \$8,250)										\$8,250		\$8,250			
B2080	1700185 Awning, 24 SF, Replace		10	5	5	2 1	EA \$200	.00 \$400)		\$40	00					\$400				\$800			
33010	1700186 Roof, Asphalt Shingle 20-Year, R	Replace	20	12	8	11600	SF \$3	.80 \$44,080)				\$44,080								\$44,080			
3010	1700171 Roof, any type per man-day, Rep	pair	0	12	0	9 I	EA \$1,100	.00 \$9,900	\$9,900												\$9,900			
3020	1700183 Gutters & Downspouts, Aluminur	m w/ Fittings, Install	20	0	20	30	.F \$9	.00 \$270)											\$270	\$270			
2010	1700161 Interior Wall Finish, any surface,	Prep & Paint	10	5	5	11600	SF \$1	.50 \$17,400)		\$17,40	00					\$17,400				\$34,800			
2030	1700150 Interior Floor Finish, Vinyl Tile (V	′CT), Replace	15	12	3	300	SF \$5	.00 \$1,500)	\$1,500									\$1,500		\$3,000			
2030	1700151 Interior Floor Finish, Carpet Com	nmercial Standard, Replace	10	5	5	10400	SF \$7	.50 \$78,000)		\$78,00	00					\$78,000				\$156,000			
2010	1700172 Domestic Circulation Pump, .75 I	HP, Replace	15	12	3	1 1	A \$2,600	.00 \$2,600)	\$2,600									\$2,600		\$5,200			
2010	1700180 Domestic Circulation Pump, .50 I		15	12	3	1 1	A \$2,600	.00 \$2,600)	\$2,600									\$2,600		\$5,200			
2010	1700138 Domestic Circulation Pump, .75 I	· ·	15		3			.00 \$2,600		\$2,600									\$2,600	_	\$5,200			
2010	1700126 Domestic Circulation Pump, .75 I		15		3			.00 \$3,100		\$3,100									\$3,100	_	\$6,200			
2010	1700160 Domestic Circulation Pump, .5 H		15	12				.00 \$2,600		\$2,600									\$2,600		\$5,200			
2010	1700098 Sink/Lavatory, Wall-Hung, Vitreo		30		18			.00 \$2,000		ψ2,000				_					\$2,000		\$5,200			
		as onina, replace																						
2010	1700164 Toilet, GPF, Replace		30		18		EA \$900							_					\$900		\$900			
2010	1700100 Sink/Lavatory, Wall-Hung, Vitreo	us China, Replace	30		18			.00 \$1,500											\$1,500		\$1,500			
010	1700103 Toilet, GPF, Replace		30	12	18		EA \$900												\$900		\$900			
010	1700125 Sink/Lavatory, Wall-Hung, Vitreor		30	12	18	1 1	EA \$1,500	.00 \$1,500)										\$1,500		\$1,500			
010	1700114 Sink/Lavatory, Wall-Hung, Vitreo	us China, Replace	30	12	18	1 1	EA \$1,500	.00 \$1,500)										\$1,500		\$1,500			
010	1700104 Commercial Kitchen Sink, Stainle	ess Steel, 1-Bowl, Replace	30	12	18	1 1	EA \$1,600	.00 \$1,600)										\$1,600		\$1,600			
010	1700096 Toilet, GPF, Replace		30	12	18	1	EA \$900	.00 \$900)										\$900		\$900			
010	1700154 Commercial Kitchen Sink, Stainle	ess Steel, 1-Bowl, Replace	30	12	18	1	EA \$1,600	.00 \$1,600)										\$1,600		\$1,600			
010	1700162 Toilet, GPF, Replace		30	12	18	1	EA \$900	.00 \$900)										\$900		\$900			
2010	1700163 Sink/Lavatory, Wall-Hung, Vitreo	us China, Replace	30	12	18	1	EA \$1,500	.00 \$1,500)										\$1,500		\$1,500			
010	1700131 Toilet, GPF, Replace		30	12	18	1	A \$900	.00 \$900)										\$900		\$900			
020	1700182 Boiler, 20 - 125 MBH, Replace		30	12	18	1 1	A \$12,700	.00 \$12,700)										\$12,700		\$12,700			
020	1700116 Boiler, 20 - 125 MBH, Replace		30	12	18	1 1	A \$12,700	.00 \$12,700)										\$12,700		\$12,700			
020	1700137 Unit Heater, 11 - 25 MBH, Replac	ce	20	12	8	1	A \$4,300	.00 \$4,300)				\$4,300								\$4,300			
030	1700181 Condensing Unit/Heat Pump, 12		15		2		A \$21,200			\$21,200								\$21,20	00		\$42,400			
030	1700107 Condensing Unit/Heat Pump, 30		15		3			.00 \$45,000		\$45,000								¢21,20	\$45,000		\$90,000			
				5	10			.00 \$3,500		\$40,000				\$3,500					\$43 ,000					
030	1701023 Ductless Split System, .75 - 1 TC		15											\$3,500					A 5 400		\$3,500			
050	1700108 Distribution Pump, 3 HP, Replace		15		3			.00 \$5,100		\$5,100									\$5,100		\$10,200			
050	1700165 Distribution Pump, 3 HP, Replace		15	12				.00 \$5,100		\$5,100									\$5,100		\$10,200			
050	1700130 Air Handler (AHU), 30,000 CFM,		30	12			EA \$100,000												\$100,000		\$100,000			
050	1700166 Air Handler (AHU), 30000 CFM,		30	12	18		EA \$100,000												\$100,000		\$100,000			
030	1700121 Fire Extinguisher, Type ABC, up	to 20 LB, Replace	10	6	4	1 1		.00 \$150			\$150					\$150					\$300			
010	1701009 Generator, 105 - 125 kW, Replac	ce	25	8	17	1 1	EA \$58,000	.00 \$58,000										\$58,00	00		\$58,000			
D10	1700146 Transfer Switch, 600 AMP, Repla	ace	25	12	13	1	EA \$25,000	.00 \$25,000							\$25	,000					\$25,000			
020	1700119 Main Distribution Panel, 200 AM	P, Replace	30	12	18	1 1	EA \$2,000	.00 \$2,000											\$2,000		\$2,000			
020	1700184 Main Distribution Panel, 225 AM	P, Replace	30	12	18	1 1	EA \$2,000	.00 \$2,000											\$2,000		\$2,000			
020	1700144 Main Distribution Panel, 600 AM	P, Replace	30	12	18	1 1	A \$7,000	.00 \$7,000)										\$7,000		\$7,000			
)20	1700156 Main Distribution Panel, 200 AM	P, Replace	30	12	18	1 1	EA \$6,000	.00 \$6,000)										\$6,000		\$6,000			
)20	1700097 Main Distribution Panel, 200 AM		30	12	18	1 1	A \$2,000	.00 \$2,000)										\$2,000		\$2,000			
)20	1700109 Main Distribution Panel, 225 AM		30		18			.00 \$2,000											\$2,000	_	\$2,000			
040	1700128 Emergency/Exit Combo LED, , R		10		5			.00 \$1,500			\$1,50	00					\$1,500				\$3,000			
040	1700099 LED Lighting Fixture, 20 WATT, F		20		8			.00 \$1,330			ψ1,50		\$1,330				÷.,000				\$1,330			
													\$1,550	_										
040	1700140 Fluorescent Lighting Fixture, 32		20	12	8			.00 \$11,650													\$11,650			
040	1700095 LED Lighting Fixture, 15 WATT, F		20		8			.00 \$380					\$380	_							\$380			
040	1700157 Compact Fluorescent Lighting Fit		20		8			.00 \$596					\$596								\$596			
040	1700153 LED Lighting Fixture, 11 WATT, F	Replace	20	10	10	4 1	EA \$190	.00 \$760						\$760							\$760			
040	1700113 Lighting System, 100, Replace		20	10	10	500	SF \$6	.00 \$3,000						\$3,000							\$3,000			
050	1700175 Fire Alarm Control Panel, Addres	ssable Replace	15	12	3	1	A \$15,000	00 \$15.000		\$15,000									\$15,000		\$30,000			

Uniformat Code	eID Cost Description	Lifespan (EUL	L)EAge	RUL	Quantity	yUnit	Unit Cost *	Subtotal 2020) 20	21 2022	2 2023	2024	2025	2026 202	27 2028	2029	2030 203	1 2032	2033	2034 203	35 2036	2037	2038	2039	2040 Deficiency Re	əpair Estimat
E1040	1700159 Defibrillator (AED), Cabinet Mounted, Replace	10	5	5	1	EA	\$1,500.00	\$1,500					\$1,500							\$1,50	00					\$3,00
E1060	1700135 Residential Appliances, Refrigerator, 14-18 CF, Replace	15	12	3	1	EA	\$600.00	\$600			\$600												\$600			\$1,20
E2010	1700178 Kitchen Counter, Plastic Laminate, Postformed, Replace	15	12	3	5	LF	\$50.00	\$250			\$250												\$250			\$50
E2010	1700143 Kitchen Counter, Plastic Laminate, Postformed, Replace	15	12	3	6	LF	\$50.00	\$300			\$300												\$300			\$600
G2020	1700767 Parking Lots, , Cut & Patch	0	0	0	182	SF	\$5.50	\$1,001 \$	1,001																	\$1,00 ⁴
G2020	1700766 Parking Lots, Asphalt Pavement, Seal & Stripe	5	2	3	7160	SF	\$0.45	\$3,222			\$3,222				\$3,222				\$3,222				\$3,222			\$12,888
G2020	1700102 Parking Lots, Asphalt Pavement, Mill & Overlay	25	12	13	7160	SF	\$3.50	\$25,060											\$25,060							\$25,060
G2030	1700149 Pedestrian Pavement, Sidewalk, Asphalt, Replace	25	12	13	100	SF	\$5.50	\$550											\$550							\$550
G2030	1700158 Pedestrian Pavement, Sidewalk, Clay Brick/Masonry Pavers, Replace	e 30	12	18	600	SF	\$33.00	\$19,800															\$19,800			\$19,800
G2060	1700170 Site Furnishings, Park Bench, Metal/Wood/Plastic, Replace	20	12	8	1	EA	\$500.00	\$500							\$500											\$500
G2060	1700167 Site Furnishings, Bike Rack, Replace	25	12	13	1	EA	\$800.00	\$800											\$800							\$800
G2060	1700147 Signage, Property, Monument/Pylon, Replace/Install	20	12	8	1	EA	\$9,500.00	\$9,500							\$9,500											\$9,500
G2060	1700145 Parking Lots, Bollard, Replace	30	12	18	4	EA	\$1,000.00	\$4,000															\$4,000			\$4,000
G2060	1700122 Parking Lots, Bollard, Replace	30	12	18	2	EA	\$1,000.00	\$2,000															\$2,000			\$2,000
G4050	1700123 Site Pole Light, 80 - 100 WATT, Replace/Install	20	12	8	2	EA	\$4,200.00	\$8,400							\$8,400											\$8,400
G4050	1700136 Aluminum Pole, 8 - 16 FEET, Replace/Install	30	12	18	3	EA	\$1,750.00	\$5,250															\$5,250			\$5,250
Totals, Unescalated \$210,90									0,901	\$0 \$21,200	\$89,572	\$150	\$98,800	\$0 \$	0 \$83,958	\$0 \$	7,260 \$0	o \$0	\$54,632	\$150 \$98,80	0 \$0	\$79,200	\$434,272	\$0	\$270	\$1,179,16
	ted (3.0% inflation, compounded annually)							\$21	0,901	0 \$22 404	\$97 878	\$169	\$114,536	\$0 \$	0 \$106,355	\$0 \$	9.757 \$0	n so	\$80,229	\$227 \$153,92	7 \$0	\$130,906	\$730 310	\$0	\$488	\$1,667,182