FACILITY CONDITION ASSESSMENT



prepared for

Richmond Public Schools 301 North Ninth Street Richmond, VA 23219



PREPARED BY: Bureau Veritas 6021 University Boulevard, Suite 200 Ellicott City, MD 21043 800.733.0660 www.us.bureauveritas.com

BV CONTACT: Bill Champion Program Manager 800.733.0660 x7296234 <u>Bill.Champion@bureauveritas.com</u>

BV PROJECT #: 166385.24R000-010.468

DATE OF REPORT: July 1, 2024

ON SITE DATE: March 14, 2024

J. L. Francis Elementary School 5146 Snead Road Richmond, VA 23224

Bureau Veritas

TABLE OF CONTENTS

| 1. | Executive Summary | .1 |
|----|--|-----|
| | Campus Overview and Assessment Details | . 1 |
| | Significant/Systemic Findings and Deficiencies | . 2 |
| | Facility Condition Index (FCI) | . 3 |
| | Immediate Needs | . 4 |
| | Key Findings | . 5 |
| | Plan Types | |
| 2. | Building Information | |
| | Site Summary | |
| | ADA Accessibility | |
| | Purpose and Scope | |
| | Opinions of Probable Costs | |
| | Methodology | 21 |
| | Definitions | 22 |
| 7. | Certification | 23 |
| 8. | Appendices | 24 |



1. Executive Summary

Campus Overview and Assessment Details

| General Information | | | | |
|--------------------------------------|---|--|--|--|
| Property Type | Elementary school campus | | | |
| Number of Buildings | 1 | | | |
| Main Address | 5146 Snead Road, Richmond, VA 23224 | | | |
| Site Developed | 1968 | | | |
| Outside Occupants / Leased Spaces | None | | | |
| Date(s) of Visit | March 14, 2024 | | | |
| Management Point of Contact | Daniel Alu Project Engineer 800 Yard Street, Suite 115 Columbus, Ohio 43212 C: 614.949.1355 <u>daniel.alu@gofmx.com</u> | | | |
| On-site Point of Contact (POC) | Ronald (Bobby) Hathaway Jr., Director of Facilities Department of Facility Services 1461 A Commerce Road Richmond, VA 23224 Office: (804) 780-6251 Mobil: (804) 325-0740 Email: <u>Rhathawa@rvaschools.net</u> | | | |
| Assessment & Report Prepared By | Jake Stauffer | | | |
| Reviewed By | Daniel White Technical Report Reviewer for Bill Champion Program Manager 800.733.0660 x7296234 Bill.Champion@bureauveritas.com | | | |
| AssetCalc Link | Full dataset for this assessment can be found at: <u>https://www.assetcalc.net/</u> | | | |



Significant/Systemic Findings and Deficiencies

Historical Summary

J.L. Francis Elementary School was originally constructed in 1968. The school has undergone several partial renovations throughout the years.

Architectural

The building is constructed with load bearing masonry walls supporting steel framed roof structure. The building has a low sloped roof with a built-up system and gravel finish. The roofing system was observed to show signs of deterioration. Windows are aluminum framed with steel entrance doors. Exterior windows show signs of deterioration and damage. Interior finishes consist of your commercial carpet, terrazzo, and ceramic tile, with painted and ceramic tile walls and suspended Acoustic Ceiling Tile (ACT). The interior finishes have been periodically replaced as needed over the years.

Mechanical, Electrical, Plumbing and Fire (MEPF)

Heating and cooling are provided by boilers and a chiller which supply hydronic fan coil units. Supplemental heating and cooling are provided by rooftop package units and split system heat pumps. Systems are controlled by building automation system (BAS). Hot water is provided by a gas-fired water heater located in the boiler room. The main electrical distribution is from a dedicated electrical switchboard. Fire protection is provided via a fire alarm system with a central panel, and fire extinguishers spread throughout the school. The kitchen within the cafeteria contains commercial food preparation equipment that are all in usable condition.

Site

Site systems consist of an asphalt paved parking lot and concrete sidewalks adjacent to the building. Landscaping is provided with the site including a grass field and some garden areas. Asphalt surfaces are generally free of cracks and heaving; however, seal and stripe are recommended in the short term. Concrete walkways are free of any heavy damage. The playground is equipped with small and large playground structures that were observed to be free of any heavy damage.

Recommended Additional Studies

No additional studies recommended at this time.



Facility Condition Index (FCI)

One of the major goals of the FCA is to calculate the Facility Condition Index (FCI), which provides a theoretical objective indication of a facility's overall condition. The FCI is defined as the ratio of the cost of current needs divided by the current replacement value (CRV) of the facility. In this report, each building is considered as a separate 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 | | | | |
| 5 – 10% | Subjected to wear but is still in a serviceable and functioning condition. | | | | |
| 10 – 30% | 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 compare facilities across a portfolio instead of being over-analyzed and scrutinized as stand-alone mathematical values. The table below presents the current, 3-year, 5-year, and 10-year FCI's for each facility:

| FCI Analysis J.L. Francis Elementary School / Main Building(1968) | | | | | | |
|---|--------------------|------------------|-------------------|--|--|--|
| Replacement Value \$ 22,781,600 | Total SF 56,954 | | Cost/SF \$ 400 | | | |
| | | Est Reserve Cost | FCI | | | |
| Current | | \$ O | 0.0 % | | | |
| 3-Year | | \$ 1,907,200 | 8.4 % | | | |
| 5-Year | | \$ 2,832,700 | 12.4 % | | | |
| 10-Year | | \$ 4,906,700 | 21.5 % | | | |



Immediate Needs

There are no immediate needs to report.



Key Findings



Parking Lots in Poor condition.

Pavement, Asphalt J.L. Francis Elementary School

Uniformat Code: G2020 Recommendation: **Seal & Stripe in 2026** Priority Score: 84.7

Plan Type: Performance/Integrity

Cost Estimate: \$18,500

\$\$\$\$

Surface cracks and faded striping. - AssetCALC ID: 7666978



Parking Lots in Poor condition.

Pavement, Asphalt Site J.L. Francis Elementary School Site

Uniformat Code: G2020 Recommendation: **Mill & Overlay in 2026** Priority Score: 84.7

Plan Type: Performance/Integrity

Cost Estimate: \$179,400

\$\$\$\$

Asphalt pavement is deteriorated and inadequate for all parking. Many cars are parked in grassy areas. - AssetCALC ID: 7516133



Piping & Valves in Poor condition. Priority Score: 82.8

Fiberglass Insulation, Domestic Water Main Building J.L. Francis Elementary School Above ceilings

Uniformat Code: D2010 Recommendation: **Replace in 2025**

Plan Type: Performance/Integrity

Cost Estimate: \$3,600

\$\$\$\$

Water piping insulation above ceilings was reported to be deteriorated and causing condensation stains on ceilings. - AssetCALC ID: 7648801



Athletic Surfaces & Courts in Poor P condition.

Basketball/General, Asphalt Pavement J.L. Francis Elementary School Play courts

Uniformat Code: G2050 Recommendation: **Seal & Stripe in 2026** Priority Score: 82.7

Plan Type: Performance/Integrity

Cost Estimate: \$9,000

\$\$\$\$





BAS/HVAC Controls in Poor condition.

Basic System or Legacy Upgrades Main Building J.L. Francis Elementary School Mechanical room

Uniformat Code: D8010 Recommendation: **Upgrade/Install in 2026** Priority Score: 81.7

Plan Type: Performance/Integrity

Cost Estimate: \$142,400

\$\$\$\$

Pneumatic system is old and struggles to maintain balanced temperatures. - AssetCALC ID: 7443734

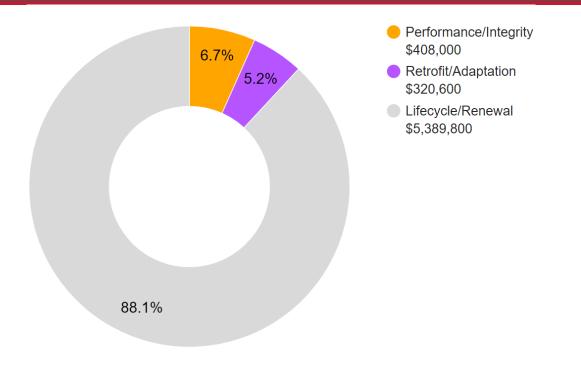


Plan Types

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 and highest on the list below.

| 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 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 neither deficient nor aged past EUL but for which future replacement or repair is anticipated and budgeted. | | | |

Plan Type Distribution (by Cost)



10-YEAR TOTAL: \$6,118,400



2. Building Information





| Building Systems Summary | | | | | | |
|--------------------------|---|-----------|--|--|--|--|
| Address | 5146 Snead Road, Richmond, VA 23224 | | | | | |
| Constructed/Renovated | 1968 | | | | | |
| Building Area | 56,954 SF | | | | | |
| Number of Stories | 1 above grade | | | | | |
| System | Description | Condition | | | | |
| Structure | Masonry bearing walls with metal roof deck supported by open- web steel joists and concrete strip/wall footing foundation system | Fair | | | | |
| Façade | Primary Wall Finish: Brick Windows: Aluminum | Fair | | | | |
| Roof | Primary: Flat construction with single-ply membrane with stone ballast Secondary: Mansard construction with metal finish | Fair | | | | |
| Interiors | Walls: Painted gypsum board and ceramic tile Floors: Carpet, VCT, ceramic tile, terrazzo Ceilings: Painted gypsum board and ACT | Fair | | | | |
| Elevators | None | Fair | | | | |
| Plumbing | Distribution: Copper supply and cast-iron waste & venting Hot Water: Gas water heater with integral tank Fixtures: Toilets, urinals, and sinks in all restrooms | Fair | | | | |



| Building Systems Summary | | | | | | | |
|----------------------------|---|-----------|--|--|--|--|--|
| HVAC | Central System: Boilers, feeding fan coil terminal units Non-Central System: Packaged units, Split-system heat pumps Building Automation System (BAS) | Fair | | | | | |
| Fire Suppression | Fire extinguishers only | Fair | | | | | |
| Electrical | Source & Distribution: Main switchboard panel with copper wiring. Interior Lighting: Linear fluorescent, CFL. Exterior Building-Mounted Lighting: Metal Hallide | Fair | | | | | |
| Fire Alarm | Alarm panel with smoke detectors, heat detectors, alarms, strobes, pull stations, back-up emergency lights, and exit signs | Fair | | | | | |
| Equipment/Special | Commercial kitchen equipment | Fair | | | | | |
| Accessibility | Presently it does not appear an accessibility study is needed for this See the appendix for associated photos and additional information. | building. | | | | | |
| Additional Studies | No additional studies are currently recommended for the building. | | | | | | |
| Areas Observed | The interior spaces were observed to gain a clear understanding of t facility's overall condition. Other areas accessed and assessed incluexterior equipment and assets directly serving the building, the exter of the facility, and the roof. | uded the | | | | | |
| Key Spaces Not Observed | All key areas of the facility were accessible and observed. | | | | | | |



The table below shows the anticipated costs by trade or building system over the next 20 years.

| System Expenditure Forecast | | | | | | |
|---------------------------------|-----------|------------------------|-----------------------|-----------------------|-------------------------|--------------|
| System | Immediate | Short Term (1-2 yr) | Near Term (3-5 yr) | Med Term (6-10 yr) | Long Term (11-20 yr) | TOTAL |
| Structure | - | - | - | - | \$3,090,900 | \$3,090,900 |
| Facade | - | - | \$52,000 | - | \$850,900 | \$902,900 |
| Roofing | - | \$1,691,800 | - | - | \$335,800 | \$2,027,600 |
| Interiors | - | - | \$130,800 | \$491,900 | \$764,900 | \$1,387,700 |
| Plumbing | - | \$3,700 | \$16,200 | \$962,200 | \$9,000 | \$991,200 |
| HVAC | - | \$3,600 | \$87,300 | \$237,500 | \$227,300 | \$555,700 |
| Fire Protection | - | - | \$320,500 | - | - | \$320,500 |
| Electrical | - | - | \$360,900 | \$306,200 | - | \$667,000 |
| Fire Alarm & Electronic Systems | - | \$151,100 | - | - | \$522,900 | \$674,000 |
| Equipment & Furnishings | - | - | \$14,800 | \$76,200 | \$106,000 | \$197,000 |
| TOTALS (3% inflation) | - | \$1,850,200 | \$982,500 | \$2,073,900 | \$5,907,800 | \$10,814,400 |



NEEDS OVER TIME: The vertical blue bars in the graphic below represent the year-by-year needs identified for the facility. The orange line forecasts what would happen to the FCI (left Y axis) over time, assuming zero capital expenditures over the next ten years. The dollar amounts allocated for each year are associated with the values along the right Y axis.

Needs by Year with Unaddressed FCI Over Time FCI Analysis: J.L. Francis Elementary School Main Building Replacement Value: \$22,781,600 Inflation Rate: 3.0% Average Needs per Year: \$446,100 \$6,000,000 30 POOR Facility Condition Index (%) Estimated costs, escalated 20 \$4,000,000 10 \$2,000,000 FAIR GOOD EXCELLENT \$0 0 2025 2028 2031 2032 2033 2034 2024 2026 2027 2029 2030 FCI, unabated Reserve costs, escalated Deferred costs, escalated



Building: Photographic Overview



1 - FRONT ELEVATION



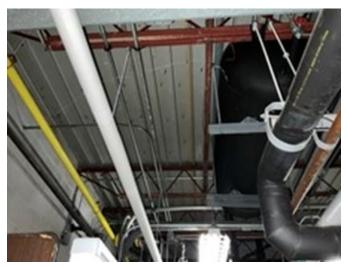
2 - LEFT ELEVATION



3 - REAR ELEVATION



4 - RIGHT ELEVATION



5 - ROOF FRAMING



6 - ROOF OVERVIEW

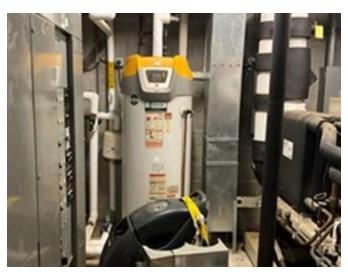




7 - INTERIOR CORRIDOR



8 - LIBRARY



9 - DOMESTIC HOT WATER



10 - ROOF MOUNTED PACKAGE UNIT



11 - MAIN ELECTRICAL ROOM



12 - FIRE ALARM CONTROL PANEL



3. Site Summary





| Site Information | | |
|-------------------------------|---|-----------|
| Site Area | 6.7 acres (estimated) | |
| Parking Spaces | 52 total spaces all in open lots; 2 of which are accessible. | |
| System | Description | Condition |
| Pavement/Flatwork | Asphalt lots with limited areas of concrete aprons and pavement and adjacent concrete sidewalks, curbs, ramps, and stairs. | Fair |
| Site Development | Property entrance signage; chain link fencing; Playgrounds and sports fields and courts with fencing and site lights | Fair |
| Landscaping and Topography | Limited landscaping features including lawns, trees, bushes. Irrigation not present | Fair |
| Utilities | Municipal water and sewer Local utility-provided electric and natural gas. | Fair |
| Site Lighting | Pole-mounted: Metal halide | Fair |
| Ancillary Structures | Prefabricated modular buildings | Fair |
| Site Accessibility | Presently it does not appear an accessibility study is needed for th site areas. See the appendix for associated photos and additional information. | |



| Site Information | |
|---------------------------------|--|
| Site Additional Studies | No additional studies are currently recommended for the exterior site areas |
| Site Areas Observed | The exterior areas within the property boundaries were observed to gain a clear understanding of the site's overall condition. |
| Site Key Spaces Not Observed | All key areas of the exterior site were accessible and observed. |

The table below shows the anticipated costs by trade or site system over the next 20 years.

| System Expenditure Forecast | | | | | | |
|-----------------------------|-----------|------------------------|-----------------------|-----------------------|-------------------------|-------------|
| System | Immediate | Short Term (1-2 yr) | Near Term (3-5 yr) | Med Term (6-10 yr) | Long Term (11-20 yr) | TOTAL |
| Special Construction & Demo | - | - | - | \$678,700 | - | \$678,700 |
| Site Pavement | - | \$209,900 | - | \$22,700 | \$56,800 | \$289,400 |
| Site Development | - | \$9,500 | \$47,100 | \$211,800 | \$48,900 | \$317,400 |
| Site Utilities | - | - | \$9,200 | \$22,600 | - | \$31,800 |
| TOTALS (3% inflation) | - | \$219,400 | \$56,300 | \$935,800 | \$105,700 | \$1,317,200 |



Site: Photographic Overview



1 - SIGNAGE



2 - PLAY STRUCTURE



3 - SITE DEVELOPMENT



4 - SECONDARY PARKING



5 - ASPHALT DRIVEWAY



6 - PEDESTRIAN WALKWAY



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.

Removal of barriers to accessibility should be addressed from a liability standpoint in order to comply with federal law, but the barriers may or may not be building code violations. The Americans with Disabilities Act Accessibility Guidelines are part of the ADA federal civil rights law pertaining to the disabled and are not a construction code. State and local jurisdictions have adopted the ADA Guidelines or have adopted other standards for accessibility as part of their construction codes.

During the FCA, Bureau Veritas 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 the same areas observed while performing the FCA and the categories set forth in the material included in the appendix. 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 this assessment. A full measured ADA survey would be required to identify more specific potential accessibility issues. Additional clarifications of this limited survey:

- This survey was visual in nature and actual measurements were not taken to verify compliance
- Only a representative sample of areas was observed
- Two overview photos were taken for each subsection regardless of perceived compliance or non-compliance
- Itemized costs for individual non-compliant items are included in the dataset
- For any "none" boxes checked or reference to "no issues" identified, that alone does not guarantee full compliance



The following table summarizes the accessibility conditions of the general site and each significant building included in this report:

| Accessibility Summary | | | | | | |
|-----------------------|--------------------------|--------------------------|------------------------------------|--|--|--|
| Facility | Year Built/ Renovated | Prior Study Provided? | Major/Moderate Issues Observed? | | | |
| General Site | 1968 / 2007 | Yes | No | | | |
| Main Building | 1968/ 2007 | Yes | No | | | |

No detailed follow-up accessibility study is currently recommended since no major or moderate issues were identified at the subject site. Reference the appendix for specific data, photos, and tables or checklists associated with this limited accessibility survey.



5. Purpose and Scope

Purpose

Bureau Veritas 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 a 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,* Bureau Veritas'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 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, Bureau Veritas 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 Bureau Veritas'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, Bureau Veritas'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.

Bureau Veritas'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 or component 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.



7. Certification

Richmond Public Schools (the Client) retained Bureau Veritas to perform this Facility Condition Assessment in connection with its continued operation of J. L. Francis Elementary School, 5146 Snead Road, Richmond, VA 23224, 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 for and is exclusively for the use and benefit of the Client identified on the cover page of this report. The purpose for which this report shall be used shall be limited to the use as stated in the contract between the client and Bureau Veritas.

This report, or any of the information contained therein, is not for the use or benefit of, nor may it be relied upon by any other person or entity, for any purpose without the advance written consent of Bureau Veritas. Any reuse or distribution without such consent shall be at the client's or recipient's sole risk, without liability to Bureau Veritas.

| Prepared by: | Jake Sta | uffer |
|------------------|-----------|---------|
| | Project M | lanager |
| Development land | 2 | Δ |

Reviewed by:

Daniel Whete

Daniel White, Technical Report Reviewer for Bill Champion, Program Manager <u>bill.champion@bureauveritas.com</u> 800.733.0660 x7296234



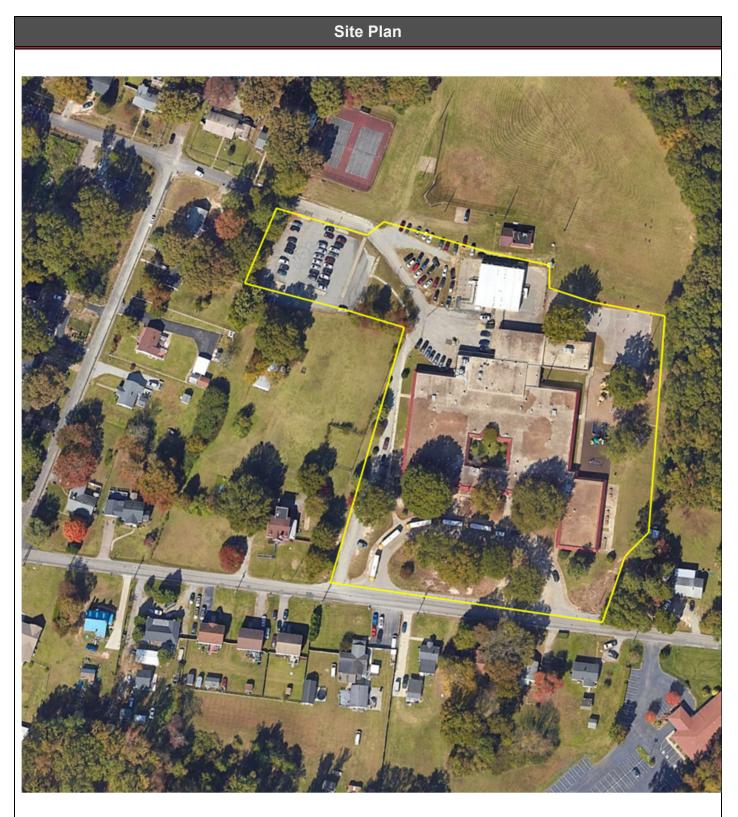
8. Appendices

- Appendix A: Site Plan(s)
- Appendix B: Pre-Survey Questionnaire(s)
- Appendix C: Accessibility Review and Photos
- Appendix D: Component Condition Report
- Appendix E: Replacement Reserves
- Appendix F: Equipment Inventory List









| AUVEN | Project Number | Project Name | |
|---------|-----------------------|--------------------------------|--|
| | 166385.24R000-010.468 | J.L. Francis Elementary School | |
| BUREAU | Source | On-Site Date | |
| VERITAS | Google | March 14, 2024 | |

Appendix B: Pre-Survey Questionnaire(s)



Bureau Veritas Facility Condition Assessment: Pre-Survey Questionnaire

| Building / Facility Name: | J.L. Francis Elementary School |
|--|--------------------------------|
| Name of person completing form: | Ronald Hathaway |
| Title / Association with property: | Director of Facilities |
| Length of time associated w/ property: | 30 |
| Date Completed: | March 4, 2024 |
| Phone Number: | 804-325-0740 |
| Method of Completion: | Electronic |

Directions: Please answer all questions to the best of your knowledge and in good faith. Please provide additional details in the Comments column, or backup documentation for any **Yes** responses.

| | Data Overview | | | Response | | | |
|---|--|--|------|--|--|--|--|
| 1 | Year/s constructed / renovated | 1968 | | | | | |
| 2 | Building size in SF | 56954 | | | | | |
| | | | Year | Additional Detail | | | |
| | | Façade | | T-111 siding | | | |
| | | Roof | | Metal, tar and gravel | | | |
| | | Interiors | | Carpet, CMU, partition walls, drop ceiling | | | |
| 3 | Major Renovation/Rehabilitation | HVAC | | Hot water boiler and chiller | | | |
| | | Electrical | | Original | | | |
| | | Site Pavement | | Asphalt | | | |
| | | Accessibility | 2007 | Satisfied the 2007 lawsuit requirement | | | |
| | Question | | l | Response | | | |
| 4 | List other significant capital improvements (focus on recent years; provide approximate date). | Replaced boiler in 2020, replaced carpet in 2022 | | | | | |
| 5 | List any major capital expenditures planned/requested for the next few years. Have they been budgeted? | Eliminate pneumatic controls, upgrade BAS | | | | | |
| 6 | Describe any on-going extremely problematic, historically chronic, or immediate facility needs. | Climate control | | | | | |

| IV | documentation for any | | ponses. | . (NA ind | | ovide additional details in the Comments column, or backup " <i>Not Applicable</i> ", Unk indicates <i>"Unknown"</i>) |
|----|---|-----|---------|-------------------|----|--|
| | Question | | Resp | oonse | 1 | Comments |
| | r | Yes | No | Unk | NA | |
| 7 | Are there any problems with foundations or structures, like excessive settlement? | | X | | | |
| 8 | Are there any wall, window, basement or roof leaks? | | X | | | |
| 9 | Has any part of the facility ever contained visible suspect mold growth, or have there been any indoor air quality or mold related complaints from occupants? | X | | | | Roof leak and air conditioning leaks |
| 10 | Are your elevators unreliable, with frequent service calls? | | | | Х | |
| 11 | Are there any plumbing leaks, water pressure, or clogging/back- up problems? | | Х | | | |
| 12 | Have there been any leaks or pressure problems with natural gas, HVAC supply/return lines, or steam service? | | X | | | |
| 13 | Are any areas of the facility inadequately heated, cooled or ventilated? Any poorly insulated areas? | Х | | | | Yes, dual temperature HVAC system struggles in the spring and fall |
| 14 | Is the electrical service outdated, undersized, or otherwise problematic? | | | Х | | |
| 15 | Are there any problems or inadequacies with exterior lighting? | Х | | | | |
| 16 | Is site/parking drainage inadequate, with excessive ponding or other problems? | | Х | | | |
| 17 | Are there any other unresolved construction defects or significant issues/hazards at the property that have not yet been identified above? | X | | | | |
| 18 | ADA: Has an accessibility study been performed at the site? If so, indicate when. | Х | | | | |
| 19 | ADA: If a study has occurred, have the associated recommendations been addressed? In full or in part? | Х | | | | Satisfied the 2007 lawsuit requirement |
| 20 | ADA: Have there been regular complaints about accessibility issues, or associated previous or pending litigation? | | Х | | | |

Appendix C: Accessibility Review and Photos



Visual Survey - 2010 ADA Standards for Accessible Design

Property Name: J.L. Francis Elementary School

BV Project Number: 166

: 166385.24R000-010.468

| Fac | Facility History & Interview | | | | | | |
|-----|--|-----|----|-----|----------|--|--|
| | Question | Yes | No | Unk | Comments | | |
| 1 | Has an accessibility study been previously performed? If so, when? | | | × | | | |
| 2 | Have any ADA improvements been made to the property since original construction? Describe. | | | × | | | |
| 3 | Has building management reported any accessibility-based complaints or litigation? | | | × | | | |

| J.L. Francis Elementary School: Accessibility Issues | | | | | | | | |
|--|--|---|--------------|-------|--|--|--|--|
| Category | Major Issues (ADA study recommended) | Moderate Issues (ADA study recommended) | Minor Issues | None* | | | | |
| Parking | | | | × | | | | |
| Exterior Accessible Route | | | | × | | | | |
| Building Entrances | | | | × | | | | |
| Interior Accessible Route | | | | × | | | | |
| Elevators | | | | × | | | | |
| Public Restrooms | | | | × | | | | |
| Kitchens/Kitchenettes | | | | × | | | | |
| Playgrounds & Swimming Pools | | | | × | | | | |
| Other | | | | × | | | | |

*be cognizant that if the "None" box is checked that does not guarantee full compliance; this study is limited in nature

J.L. Francis Elementary School: Photographic Overview



OVERVIEW OF ACCESSIBLE PARKING AREA



CLOSE-UP OF STALL



ACCESSIBLE RAMP



ACCESSIBLE PATH

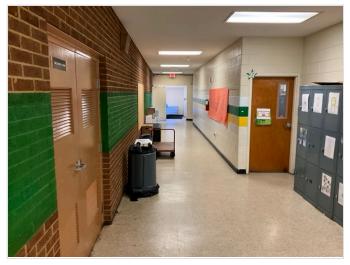


ACCESSIBLE ENTRANCE



MAIN ENTRANCE

J.L. Francis Elementary School: Photographic Overview



ACCESSIBLE INTERIOR PATH



DOOR HARDWARE



TOILET STALL OVERVIEW



SINK, FAUCET HANDLES AND ACCESSORIES



ACCESSIBLE ROUTE TO PLAYGROUND



OVERVIEW OF PLAYGROUND

Appendix D: Component Condition Report



| UF L3 Code | Location | Condition | Asset/Component/Repair | Quantity | RUL | ID |
|------------|---------------------|-----------|---|-----------|-----|---------|
| Structure | | | | | | |
| A1010 | Building exterior | Fair | Foundation System, Concrete or CMU Walls w/ Continuous Footings | 1,400 LF | 19 | 7648805 |
| B1010 | Building exterior | Fair | Structural Framing, Masonry (CMU) Bearing Walls | 56,954 SF | 19 | 7648870 |
| Facade | | | | | | |
| B2010 | Building Exterior | Fair | Exterior Walls, Brick Veneer | 17,450 SF | 20 | 7443715 |
| B2020 | Building Exterior | Fair | Glazing, any type, by SF | 865 SF | 3 | 7443756 |
| B2050 | Building Exterior | Fair | Exterior Door, Steel, Standard | 16 | 30 | 7443732 |
| Roofing | | | | | | |
| B3010 | Roof | Fair | Roofing, Built-Up | 56,954 SF | 2 | 7516154 |
| B3010 | Roof | Fair | Roofing, Metal | 7,150 SF | 20 | 7443707 |
| Interiors | | | | | | |
| C1030 | Throughout building | Fair | Interior Door, Wood, Solid-Core | 68 | 15 | 7516148 |
| C1070 | Throughout building | Fair | Suspended Ceilings, Acoustical Tile (ACT) | 28,475 SF | 10 | 7516169 |
| C2010 | Throughout building | Fair | Wall Finishes, any surface, Prep & Paint | 37,250 SF | 5 | 7516168 |
| C2030 | | Fair | Flooring, Ceramic Tile | 8,545 SF | 15 | 7516142 |
| C2030 | Throughout building | Fair | Flooring, Carpet, Commercial Tile | 25,630 SF | 7 | 7516146 |
| C2030 | Building interior | Fair | Flooring, Vinyl Tile (VCT) | 22,785 SF | 10 | 7516184 |
| C2050 | Throughout building | Fair | Ceiling Finishes, any flat surface, Prep & Paint | 28,480 SF | 5 | 7516178 |
| Plumbing | | | | | | |
| D2010 | Restroom | Fair | Toilet, Child-Sized | 12 | 5 | 7516183 |
| D2010 | Kitchen | Fair | Sink/Lavatory, Commercial Kitchen, 3-Bowl | 2 | 20 | 7516161 |
| D2010 | Restroom | Fair | Sink/Lavatory, Wall-Hung, Vitreous China | 24 | 10 | 7516151 |
| D2010 | Above ceilings | Poor | Piping & Valves, Fiberglass Insulation, Domestic Water | 600 LF | 1 | 7648801 |
| D2010 | Building interior | Fair | Sink/Lavatory, Service Sink, Floor | 4 | 5 | 7516174 |

Component Condition Report | J.L. Francis Elementary School / Main Building

Component Condition Report | J.L. Francis Elementary School / Main Building

| UF L3 Code | Location | Condition | Asset/Component/Repair | Quantity | RUL | ID |
|------------|-------------------|-----------|--|-----------|-----|---------|
| D2010 | Restroom | Fair | Toilet, Commercial Water Closet | 8 | 10 | 7516145 |
| D2010 | | Fair | Plumbing System, Supply & Sanitary, Medium Density (excludes fixtures) | 56,954 SF | 10 | 7662072 |
| D2010 | Mechanical room | Fair | Water Heater, Gas, Commercial (600 MBH) | 1 | 7 | 7443741 |
| D2010 | Corridors | Fair | Drinking Fountain, Wall-Mounted, Single-Level | 6 | 10 | 7516156 |
| D2010 | Restroom | Fair | Urinal, Standard | 6 | 10 | 7516162 |
| HVAC | | | | | | |
| D3020 | Mechanical room | Fair | Boiler, Gas, HVAC | 1 | 25 | 7443735 |
| D3030 | Kitchen | Fair | Split System, Fan Coil Unit, DX | 1 | 8 | 7443754 |
| D3030 | Building exterior | Fair | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON | 1 | 5 | 7443706 |
| D3030 | Kitchen | Fair | Split System, Fan Coil Unit, DX | 1 | 3 | 7443745 |
| D3030 | Roof | Fair | Split System, Condensing Unit/Heat Pump | 1 | 2 | 7443742 |
| D3030 | Building exterior | Fair | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON | 1 | 5 | 7443709 |
| D3030 | Roof | Fair | Computer Room AC Unit, Air-Cooled Condenser, 51 to 60 TON [ACU1] | 1 | 7 | 7443750 |
| D3030 | Roof | Fair | Computer Room AC Unit, Air-Cooled Condenser, 51 to 60 TON [ACU2] | 1 | 7 | 7443743 |
| D3030 | Roof | Fair | Split System, Condensing Unit, 4 TON | 1 | 7 | 7443737 |
| D3030 | Building exterior | Fair | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON | 1 | 5 | 7443749 |
| D3030 | Mechanical room | Fair | Chiller, Water-Cooled, 101 to 150 TON | 1 | 12 | 7443724 |
| D3030 | Modular exterior | Fair | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON | 1 | 5 | 7443714 |
| D3030 | Modular exterior | Fair | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON | 1 | 5 | 7443703 |
| D3050 | Roof | Fair | Packaged Unit, RTU, Pad or Roof-Mounted [RTU1] | 1 | 7 | 7443746 |
| D3050 | Mechanical room | Fair | Pump, Distribution, HVAC Heating Water | 1 | 5 | 7443722 |
| D3050 | Building interior | Fair | Fan Coil Unit, Hydronic Terminal, 401 to 800 CFM | 22 | 10 | 7718805 |
| D3050 | Roof | Fair | Packaged Unit, RTU, Pad or Roof-Mounted | 1 | 7 | 7443752 |
| D3050 | Mechanical room | Fair | Pump, Distribution, HVAC Heating Water | 1 | 5 | 7443712 |
| D3050 | Roof | Fair | Packaged Unit, RTU, Pad or Roof-Mounted [RTU3] | 1 | 7 | 7443728 |

Condition Asset/Component/Repair UF L3 Code Location Roof D3060 Exhaust Fan, Roof or Wall-Mounted, 24" Damper Fair **Fire Protection** D4010 Fire Suppression System, Full System Install/Retrofit, Medium Density/Complexity, Insta Throughout Building NA Electrical D5020 Mechanical room Fair Motor Control Center, w/ Main Breaker [MCC] Distribution Panel, 277/480 V [PNL.SWBD] D5020 Mechanical room Fair D5030 Electrical System, Wiring & Switches, High Density/Complexity Throughout building Fair Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures D5040 Throughout building Fair Fire Alarm & Electronic Systems Security/Surveillance System, Full System Installation, Average Density D7030 Throughout Building Excellent Office D7050 Fair Fire Alarm Panel, Fully Addressable D8010 Mechanical room Poor BAS/HVAC Controls, Basic System or Legacy Upgrades, Upgrade/Install **Equipment & Furnishings** E1030 Kitchen Fair Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels E1030 Kitchen Foodservice Equipment, Refrigerator, 3-Door Reach-In Fair Foodservice Equipment, Refrigerator, 2-Door Reach-In E1030 Kitchen Fair E1030 Kitchen Fair Foodservice Equipment, Steam Kettle E1030 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels Kitchen Fair E1030 Kitchen Foodservice Equipment, Exhaust Hood, 8 to 10 LF Fair E1030 Kitchen Fair Foodservice Equipment, Refrigerator, 3-Door Reach-In E1030 Kitchen Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels Fair E1030 Kitchen Fair Foodservice Equipment, Walk-In, Freezer E1030 Kitchen Fair Foodservice Equipment, Convection Oven, Double E1030 Foodservice Equipment, Freezer, 2-Door Reach-In Kitchen Fair E1030 Kitchen Fair Foodservice Equipment, Dairy Cooler/Wells

Component Condition Report | J.L. Francis Elementary School / Main Building

| | Quantity | | RUL | ID |
|-----|----------|----|-----|---------|
| | 12 | | 5 | 7443747 |
| | | | | |
| all | 56,954 | SF | 4 | 7648804 |
| | | | | |
| | 1 | | 5 | 7443755 |
| | 1 | | 5 | 7443708 |
| | 56,954 | SF | 10 | 7662073 |
| | 56,954 | SF | 5 | 7516172 |
| | | | | |
| | 56,954 | SF | 15 | 7648803 |
| | 1 | | 12 | 7443733 |
| | 56,954 | SF | 2 | 7443734 |
| | | | | |
| | 1 | | 10 | 7443740 |
| | 1 | | 11 | 7443720 |
| | 1 | | 11 | 7443716 |
| | 1 | | 10 | 7443748 |
| | 1 | | 10 | 7443705 |
| | 1 | | 5 | 7443719 |
| | 1 | | 11 | 7443726 |
| | 1 | | 10 | 7443718 |
| | 1 | | 16 | 7443723 |
| | 1 | | 7 | 7443713 |
| | 1 | | 11 | 7443729 |
| | 1 | | 10 | 7443738 |
| | | | | |

Component Condition Report | J.L. Francis Elementary School / Main Building

| UF L3 Code | Location | Condition | Asset/Component/Repair |
|------------|----------|-----------|---|
| E1030 | Kitchen | Fair | Foodservice Equipment, Convection Oven, Double |
| E1030 | Kitchen | Fair | Foodservice Equipment, Dairy Cooler/Wells |
| E1030 | Kitchen | Fair | Foodservice Equipment, Freezer, 3-Door Reach-In |

Component Condition Report | J.L. Francis Elementary School / Site

| UF L3 Code | Location | Condition | Asset/Component/Repair |
|-----------------|---------------------|-----------|---|
| Special Const | ruction & Demo | | |
| F1020 | Site | Fair | Ancillary Building, Classroom/Office Module, Basic/Portable |
| F1020 | Site | Fair | Ancillary Building, Classroom/Office Module, Basic/Portable |
| Pedestrian Pla | zas & Walkways | | |
| G2020 | Site | Poor | Parking Lots, Pavement, Asphalt, Mill & Overlay |
| G2020 | | Poor | Parking Lots, Pavement, Asphalt, Seal & Stripe |
| Athletic, Recre | ational & Playfield | Areas | |
| G2050 | Site | Fair | Playfield Surfaces, Chips Rubber, 6" Depth |
| G2050 | Site | Fair | Sports Apparatus, Basketball, Backboard/Rim/Pole |
| G2050 | Site | Fair | Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Seal & Stripe |
| G2050 | Site | Fair | Play Structure, Swing Set, 4 Seats |
| G2050 | Site | Fair | Play Structure, Multipurpose, Large |
| G2050 | Play courts | Poor | Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Seal & Stripe |
| Sitework | | | |
| G2060 | Site | Fair | Park Bench, Metal Powder-Coated |
| G2060 | Site | Fair | Fences & Gates, Fence, Chain Link 4' |
| G4050 | Site | Fair | Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install |
| G4050 | Building exterior | Fair | Exterior Fixture w/ Lamp, any type, w/ LED Replacement |

| Quantity | RU | L ID |
|----------|-------|---------|
| 1 | 5 | 7443727 |
| 1 | 10 | 7443711 |
| 1 | 10 | 7443704 |
| | | |
| | | |
| Quantity | RU | L ID |
| | | |
| 2,525 | SF 10 | 7443730 |
| 2,525 | SF 10 | 7443731 |
| | | |
| 41,000 | SF 2 | 7516133 |
| 41,000 | SF 2 | 7666978 |
| | | |
| 10,675 | SF 10 | 7443721 |
| 3 | 5 | 7443725 |
| 11,000 | SF 3 | 7443717 |
| 3 | 5 | 7443710 |
| 2 | 10 | 7443736 |
| 16,000 | SF 2 | 7668073 |
| | | |
| 5 | 15 | 7443753 |
| 1,225 | LF 25 | 7443751 |
| 4 | 10 | 7443744 |
| 14 | 3 | 7443739 |
| | | |

Appendix E: Replacement Reserves



6/21/2024

| Location | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | Total Escalated Estimate |
|--|------|---------|-------------|----------|-----------|-----------|------|-----------|----------|------|-------------|----------|-----------|---------|------|-----------|----------|-----------|----------|-------------|-------------|--------------------------|
| J.L. Francis Elementary School | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| J.L. Francis Elementary School / Main Building | \$0 | \$3,708 | \$1,846,493 | \$57,013 | \$320,511 | \$605,034 | \$0 | \$436,697 | \$5,827 | \$0 | \$1,631,430 | \$31,145 | \$235,251 | \$0 | \$0 | \$768,681 | \$40,118 | \$530,002 | \$7,831 | \$3,090,926 | \$1,203,863 | \$10,814,532 |
| J.L. Francis Elementary School / Site | \$0 | \$0 | \$219,421 | \$14,588 | \$0 | \$41,734 | \$0 | \$33,760 | \$6,271 | \$0 | \$895,754 | \$0 | \$39,137 | \$7,269 | \$0 | \$5,453 | \$0 | \$45,371 | \$8,427 | \$0 | \$0 | \$1,317,184 |
| Grand Total | \$0 | \$3,708 | \$2,065,914 | \$71,601 | \$320,511 | \$646,768 | \$0 | \$470,458 | \$12,098 | \$0 | \$2,527,184 | \$31,145 | \$274,388 | \$7,269 | \$0 | \$774,134 | \$40,118 | \$575,373 | \$16,258 | \$3,090,926 | \$1,203,863 | \$12,131,716 |

J.L. Francis Elementary School

J.L. Francis Elementary School / Main Building

| | t Location Description | ID C | Cost Description | Lifespan (EUL) | EAge RI | JL G | QuantityUn | nit U | Jnit Cost * Su | btotal 20 |)24 202 | 2020 | 6 2027 | 7 2028 | 202 | 9 2030 | 2031 | 2032 | 2033 | 2034 | 4 2035 | 2036 | 6 2037 | 2038 | 2039 | 2040 | 2041 | 2042 204 | 3 2044 | Deficienc 4 Repai Estimat |
|-------|---------------------------|------------|---|-------------------|---------|------|------------|-------|----------------|-----------|---------|-------------|----------|--------|----------|--------|-----------|---------|------|-----------|--------|-----------|--------|------|----------|------|-----------|-------------|-----------|---------------------------------|
| A1010 | Building exterior | 7648805 H | Foundation System, Concrete or CMU Walls w/ Continuous Footings, | 75 | 56 | 19 | 1400 | LF | \$120.00 | \$168,000 | | | | | | | | | | | | | | | | | | \$168,000 |) | \$168,00 |
| B1010 | Building exterior | 7648870 \$ | Structural Framing, Masonry (CMU) Bearing Walls | 75 | 56 | 19 | 56954 | SF | \$28.00 \$1 | ,594,712 | | | | | | | | | | | | | | | | | | \$1,594,712 | 2 | \$1,594,71 |
| B2010 | Building Exterior | 7443715 | Exterior Walls, Brick Veneer, Replace | 50 | 30 | 20 | 17450 | SF | \$27.00 | \$471,150 | | | | | | | | | | | | | | | | | | | \$471,150 | \$471,150 |
| B2020 | Building Exterior | 7443756 | Glazing, any type, by SF, Replace | 30 | 27 | 3 | 865 | SF | \$55.00 | \$47,575 | | | \$47,575 | 5 | | | | | | | | | | | | | | | | \$47,57 |
| B3010 | Roof | 7443707 I | Roofing, Metal, Replace | 40 | 20 | 20 | 7150 | SF | \$26.00 | \$185,900 | | | | | | | | | | | | | | | | | | | \$185,900 | \$185,900 |
| B3010 | Roof | 7516154 H | Roofing, Built-Up, Replace | 25 | 23 | 2 | 56954 | SF | \$28.00 \$1 | ,594,712 | | \$1,594,712 | 2 | | | | | | | | | | | | | | | | | \$1,594,712 |
| C1030 | Throughout building | 7516148 | Interior Door, Wood, Solid-Core, Replace | 40 | 25 | 15 | 68 | EA | \$700.00 | \$47,600 | | | | | | | | | | | | | | | \$47,600 | | | | | \$47,600 |
| C1070 | Throughout building | 7516169 \$ | Suspended Ceilings, Acoustical Tile (ACT), Replace | 25 | 15 | 10 | 28475 | SF | \$3.50 | \$99,663 | | | | | | | | | | \$99,663 | | | | | | | | | | \$99,663 |
| C2010 | Throughout building | 7516168 | Wall Finishes, any surface, Prep & Paint | 10 | 5 | 5 | 37250 | SF | \$1.50 | \$55,875 | | | | | \$55,875 | i | | | | | | | | | \$55,875 | | | | | \$111,750 |
| C2030 | Main Building | 7516142 I | Flooring, Ceramic Tile, Replace | 40 | 25 | 15 | 8545 | SF | \$18.00 | \$153,810 | | | | | | | | | | | | | | \$ | 153,810 | | | | | \$153,810 |
| C2030 | Building interior | 7516184 I | Flooring, Vinyl Tile (VCT), Replace | 15 | 5 | 10 | 22785 | SF | \$5.00 | \$113,925 | | | | | | | | | | \$113,925 | | | | | | | | | | \$113,92 |
| C2030 | Throughout building | 7516146 I | Flooring, Carpet, Commercial Tile, Replace | 10 | 3 | 7 | 25630 | SF | \$6.50 | \$166,595 | | | | | | | \$166,595 | | | | | | | | | Ş | \$166,595 | | | \$333,190 |
| C2050 | Throughout building | 7516178 | Ceiling Finishes, any flat surface, Prep & Paint | 10 | 5 | 5 | 28480 | SF | \$2.00 | \$56,960 | | | | | \$56,960 | | | | | | | | | | \$56,960 | | | | | \$113,920 |
| D2010 | Mechanical room | 7443741 | Water Heater, Gas, Commercial (600 MBH), Replace | 20 | 13 | 7 | 1 | EA | \$32,000.00 | \$32,000 | | | | | | | \$32,000 | | | | | | | | | | | | | \$32,000 |
| D2010 | Main Building | 7662072 | Plumbing System, Supply & Sanitary, Medium Density (excludes fixtures), Replace | 40 | 30 | 10 | 56954 | SF | \$11.00 | \$626,494 | | | | | | | | | | \$626,494 | | | | | | | | | | \$626,494 |
| D2010 | Restroom | 7516183 | Toilet, Child-Sized, Replace | 30 | 25 | 5 | 12 | EA | \$900.00 | \$10,800 | | | | | \$10,800 |) | | | | | | | | | | | | | | \$10,800 |
| D2010 | Building interior | 7516174 | Sink/Lavatory, Service Sink, Floor, Replace | 35 | 30 | 5 | 4 | EA | \$800.00 | \$3,200 | | | | | \$3,200 |) | | | | | | | | | | | | | | \$3,200 |
| D2010 | Restroom | 7516151 | Sink/Lavatory, Wall-Hung, Vitreous China, Replace | 30 | 20 | 10 | 24 | EA | \$1,500.00 | \$36,000 | | | | | | | | | | \$36,000 | | | | | | | | | | \$36,000 |
| D2010 | Restroom | 7516145 | Toilet, Commercial Water Closet, Replace | 30 | 20 | 10 | 8 | EA | \$1,300.00 | \$10,400 | | | | | | | | | | \$10,400 | | | | | | | | | | \$10,400 |
| D2010 | Corridors | 7516156 | Drinking Fountain, Wall-Mounted, Single-Level, Replace | 15 | 5 | 10 | 6 | EA | \$1,200.00 | \$7,200 | | | | | | | | | | \$7,200 | | | | | | | | | | \$7,200 |
| D2010 | Restroom | 7516162 | Urinal, Standard, Replace | 30 | 20 | 10 | 6 | EA | \$1,100.00 | \$6,600 | | | | | | | | | | \$6,600 | | | | | | | | | | \$6,600 |
| D2010 | Kitchen | 7516161 \$ | Sink/Lavatory, Commercial Kitchen, 3-Bowl, Replace | 30 | 10 | 20 | 2 | EA | \$2,500.00 | \$5,000 | | | | | | | | | | | | | | | | | | | \$5,000 | \$5,00 |
| D2010 | Above ceilings | 7648801 I | Piping & Valves, Fiberglass Insulation, Domestic Water, Replace | 40 | 39 | 1 | 600 | LF | \$6.00 | \$3,600 | \$3,60 | 0 | | | | | | | | | | | | | | | | | | \$3,600 |
| D3030 | Mechanical room | 7443724 | Chiller, Water-Cooled, 101 to 150 TON, Replace | 25 | 13 | 12 | 1 | EA \$ | \$150,000.00 | \$150,000 | | | | | | | | | | | | \$150,000 | | | | | | | | \$150,000 |
| D3030 | Roof | 7443742 \$ | Split System, Condensing Unit/Heat Pump, Replace | 15 | 13 | 2 | 1 | EA | \$3,400.00 | \$3,400 | | \$3,400 |) | | | | | | | | | | | | | | \$3,400 | | | \$6,800 |
| D3030 | Kitchen | 7443745 \$ | Split System, Fan Coil Unit, DX, Replace | 15 | 12 | 3 | 1 | EA | \$4,600.00 | \$4,600 | | | \$4,600 |) | | | | | | | | | | | | | \$4 | ,600 | | \$9,200 |
| D3030 | Building exterior | 7443709 I | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON, Replace | 20 | 15 | 5 | 1 | EA | \$4,400.00 | \$4,400 | | | | | \$4,400 |) | | | | | | | | | | | | | | \$4,400 |
| D3030 | Modular exterior | 7443714 H | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON, Replace | 20 | 15 | 5 | 1 | EA | \$4,400.00 | \$4,400 | | | | | \$4,400 |) | | | | | | | | | | | | | | \$4,400 |
| D3030 | Building exterior | 7443749 I | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON, Replace | 20 | 15 | 5 | 1 | EA | \$4,400.00 | \$4,400 | | | | | \$4,400 |) | | | | | | | | | | | | | | \$4,400 |
| D3030 | Building exterior | 7443706 I | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON, Replace | 20 | 15 | 5 | 1 | EA | \$4,400.00 | \$4,400 | | | | | \$4,400 |) | | | | | | | | | | | | | | \$4,400 |
| D3030 | Modular exterior | 7443703 | Heat Pump, Packaged & Wall-Mounted, 2.5 to 3 TON, Replace | 20 | 15 | 5 | 1 | EA | \$4,400.00 | \$4,400 | | | | | \$4,400 |) | | | | | | | | | | | | | | \$4,400 |
| D3030 | Roof | 7443737 \$ | Split System, Condensing Unit, 4 TON, Replace | 15 | 8 | 7 | 1 | EA | \$5,200.00 | \$5,200 | | | | | | | \$5,200 | | | | | | | | | | | | | \$5,200 |
| D3030 | Roof | 7443743 | Computer Room AC Unit, Air-Cooled Condenser, 51 to 60 TON, Replace | 20 | 13 | 7 | 1 | EA | \$34,000.00 | \$34,000 | | | | | | | \$34,000 | | | | | | | | | | | | | \$34,000 |
| D3030 | Roof | 7443750 | Computer Room AC Unit, Air-Cooled Condenser, 51 to 60 TON, Replace | 20 | 13 | 7 | 1 | EA | \$34,000.00 | \$34,000 | | | | | | | \$34,000 | | | | | | | | | | | | | \$34,000 |
| D3030 | Kitchen | 7443754 \$ | Split System, Fan Coil Unit, DX, Replace | 15 | 7 | 8 | 1 | EA | \$4,600.00 | \$4,600 | | | | | | | | \$4,600 | | | | | | | | | | | | \$4,600 |
| D3050 | Mechanical room | 7443722 | Pump, Distribution, HVAC Heating Water, Replace | 25 | 20 | 5 | 1 | EA | \$6,500.00 | \$6,500 | | | | | \$6,500 |) | | | | | | | | | | | | | | \$6,500 |
| D3050 | Mechanical room | 7443712 | Pump, Distribution, HVAC Heating Water, Replace | 25 | 20 | 5 | 1 | EA | \$6,500.00 | \$6,500 | | _ | | | \$6,500 | 1 | | | | | | | | | | | | | - | \$6,500 |
| D3050 | Roof | 7443752 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace | 20 | 13 | 7 | 1 | EA | \$30,000.00 | \$30,000 | | _ | | | | | \$30,000 | | | | | | | | | | | | - | \$30,000 |
| D3050 | Roof | 7443728 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace | 20 | 13 | 7 | 1 | EA | \$15,000.00 | \$15,000 | | _ | | | | | \$15,000 | | | | | | | | | | | | | \$15,000 |
| | Roof | | Packaged Unit, RTU, Pad or Roof-Mounted, Replace | 20 | 13 | 7 | 1 | FA | \$30,000.00 | \$30,000 | | | | | | | \$30,000 | | | | | | | | | | | | - | \$30,000 |



6/21/2024

| Uniformat Code | Location Description | ID Cost Description | Lifespan (EUL) | EAge | RUL | Quantity | /Unit | Unit Cost * | Subtota | d 2024 | 2025 | 2026 2 | 027 20 | 28 20 | 29 20 | 30 2 | 031 203 | 2 2033 | 3 2034 | 2035 2 | 036 203 | 57 2038 | 2039 | 2040 | 2041 | 2042 204 | 3 2044 | Deficienc Repai Estimat |
|-------------------|-------------------------|---|-------------------|------|-----|----------|-------|-------------|-----------|--------|-------------------|--------------|------------|-------------|-------|-------------|------------|--------|--------------|------------------|---------|---------|--------------|----------|--------------|------------------|---------------|-------------------------------|
| D3050 | Building interior | 7718805 Fan Coil Unit, Hydronic Terminal, 401 to 800 CFM, Replace | 20 | 10 | 10 | 22 | EA | \$1,670.00 | 0 \$36, | 740 | | | | | | | | | \$36,740 | | | | | | | | | \$36,740 |
| D3060 | Roof | 7443747 Exhaust Fan, Roof or Wall-Mounted, 24" Damper, Replace | 20 | 15 | 5 | 12 | EA | \$3,000.00 | 0 \$36,0 | 000 | | | | \$36,00 | 00 | | | | | | | | | | | | | \$36,000 |
| D4010 | Throughout Building | g 7648804 Fire Suppression System, Full System Install/Retrofit, Medium Density/Complexity, Ins | tall 40 | 36 | 4 | 56954 | SF | \$5.00 | 0 \$284, | 770 | | | \$284,7 | 70 | | | | | | | | | | | | | | \$284,77 |
| D5020 | Mechanical room | 7443755 Motor Control Center, w/ Main Breaker, Replace | 30 | 25 | 5 | 1 | EA | \$15,000.00 | 0 \$15,0 | 000 | | | | \$15,00 | 00 | | | | | | | | | | | | | \$15,00 |
| D5020 | Mechanical room | 7443708 Distribution Panel, 277/480 V, Replace | 30 | 25 | 5 | 1 | EA | \$40,000.00 | 0 \$40,0 | 000 | | | | \$40,00 | 00 | | | | | | | | | | | | | \$40,00 |
| D5030 | Throughout building | 7662073 Electrical System, Wiring & Switches, High Density/Complexity, Replace | 40 | 30 | 10 | 56954 | SF | \$4.00 | 0 \$227, | 816 | | | | | | | | | \$227,816 | | | | | | | | | \$227,81 |
| D5040 | Throughout building | 7516172 Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures, Replace | 20 | 15 | 5 | 56954 | SF | \$4.50 | 0 \$256,3 | 293 | | | | \$256,29 | 93 | | | | | | | | | | | | | \$256,293 |
| D7030 | Throughout Building | g 7648803 Security/Surveillance System, Full System Installation, Average Density, Replace | 15 | 0 | 15 | 56954 | SF | \$3.00 | 0 \$170, | 862 | | | | | | | | | | | | | \$170,862 | | | | | \$170,862 |
| D7050 | Office | 7443733 Fire Alarm Panel, Fully Addressable, Replace | 15 | 3 | 12 | 1 | EA | \$15,000.00 | 0 \$15,0 | 000 | | | | | | | | | | \$15,0 | 000 | | | | | | | \$15,000 |
| D8010 | Mechanical room | 7443734 BAS/HVAC Controls, Basic System or Legacy Upgrades, Upgrade/Install | 15 | 13 | 2 | 56954 | SF | \$2.50 | 0 \$142,3 | 385 | \$1 | 42,385 | | | | | | | | | | | | | \$142,385 | | | \$284,77 |
| E1030 | Kitchen | 7443719 Foodservice Equipment, Exhaust Hood, 8 to 10 LF, Replace | 15 | 10 | 5 | 1 | EA | \$4,500.00 | 0 \$4, | 500 | | | | \$4,50 | 00 | | | | | | | | | | | | \$4,500 | \$9,00 |
| E1030 | Kitchen | 7443727 Foodservice Equipment, Convection Oven, Double, Replace | 10 | 5 | 5 | 1 | EA | \$8,280.00 | 0 \$8,3 | 280 | | | | \$8,28 | 30 | | | | | | | | \$8,280 | | | | | \$16,56 |
| E1030 | Kitchen | 7443713 Foodservice Equipment, Convection Oven, Double, Replace | 10 | 3 | 7 | 1 | EA | \$8,280.00 | 0 \$8,2 | 280 | | | | | | \$8,2 | 80 | | | | | | | | \$8,280 | | | \$16,56 |
| E1030 | Kitchen | 7443704 Foodservice Equipment, Freezer, 3-Door Reach-In, Replace | 15 | 5 | 10 | 1 | EA | \$6,800.00 | 0 \$6, | 800 | | | | | | | | | \$6,800 | | | | | | | | | \$6,80 |
| E1030 | Kitchen | 7443738 Foodservice Equipment, Dairy Cooler/Wells, Replace | 15 | 5 | 10 | 1 | EA | \$3,600.00 | 0 \$3, | 600 | | | | | | | | | \$3,600 | | | | | | | | | \$3,60 |
| E1030 | Kitchen | 7443718 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace | 15 | 5 | 10 | 1 | EA | \$1,700.00 | 0 \$1, | 700 | | | | | | | | | \$1,700 | | | | | | | | | \$1,70 |
| E1030 | Kitchen | 7443740 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace | 15 | 5 | 10 | 1 | EA | \$1,700.00 | 0 \$1, | 700 | | | | | | | | | \$1,700 | | | | | | | | | \$1,70 |
| E1030 | Kitchen | 7443705 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace | 15 | 5 | 10 | 1 | EA | \$1,700.00 | 0 \$1, | 700 | | | | | | | | | \$1,700 | | | | | | | | | \$1,700 |
| E1030 | Kitchen | 7443748 Foodservice Equipment, Steam Kettle, Replace | 20 | 10 | 10 | 1 | EA | \$30,000.00 | 0 \$30, | 000 | | | | | | | | | \$30,000 | | | | | | | | | \$30,00 |
| E1030 | Kitchen | 7443711 Foodservice Equipment, Dairy Cooler/Wells, Replace | 15 | 5 | 10 | 1 | EA | \$3,600.00 | 0 \$3, | 600 | | | | | | | | | \$3,600 | | | | | | | | | \$3,60 |
| E1030 | Kitchen | 7443729 Foodservice Equipment, Freezer, 2-Door Reach-In, Replace | 15 | 4 | 11 | 1 | EA | \$5,100.00 | 0 \$5, | 100 | | | | | | | | | | \$5,100 | | | | | | | | \$5,10 |
| E1030 | Kitchen | 7443726 Foodservice Equipment, Refrigerator, 3-Door Reach-In, Replace | 15 | 4 | 11 | 1 | EA | \$6,400.00 | 0 \$6,4 | 400 | | | | | | | | | | \$6,400 | | | | | | | | \$6,40 |
| E1030 | Kitchen | 7443720 Foodservice Equipment, Refrigerator, 3-Door Reach-In, Replace | 15 | 4 | 11 | 1 | EA | \$6,400.00 | 0 \$6,4 | 400 | | | | | | | | | | \$6,400 | | | | | | | | \$6,40 |
| E1030 | Kitchen | 7443716 Foodservice Equipment, Refrigerator, 2-Door Reach-In, Replace | 15 | 4 | 11 | 1 | EA | \$4,600.00 | 0 \$4,0 | 600 | | | | | | | | | | \$4,600 | | | | | | | | \$4,60 |
| E1030 | Kitchen | 7443723 Foodservice Equipment, Walk-In, Freezer, Replace | 20 | 4 | 16 | 1 | EA | \$25,000.00 | 0 \$25,0 | 000 | | | | | | | | | | | | | \$ | \$25,000 | | | | \$25,00 |
| Totals, Un | escalated | | | | | | | | | | \$0 \$3,600 \$1,7 | 40,497 \$52, | 75 \$284,7 | 70 \$521,90 |)8 | \$0 \$355,0 | 75 \$4,600 | \$0 | \$1,213,938 | \$22,500 \$165,0 | 000 \$ | 0 \$0 | \$493,387 \$ | \$25,000 | \$320,660 \$ | 4,600 \$1,762,71 | 2 \$666,550 | \$7,636,972 |
| T-4-1- E- | | tion, compounded annually) | | | | | | | | | \$0 \$3,708 \$1,8 | AG 402 \$57 | 40 6000 5 | 4 6005 00 | | ** | 97 \$5,827 | | 64 694 499 4 | 31,145 \$235,2 | 251 \$ | n ¢0 | \$769 694 6 | 10 440 | ¢520.002 ¢ | 7,831 \$3,090,92 | 6 \$1 203 863 | \$10 814 53 |

J.L. Francis Elementary School / Site

| Uniformat Code | Location Description | ID Cost Description | Lifespan (EUL) | EAge | RUL | QuantityU | nit | Unit Cost * Subtotal 2024 | 2025 202 | 6 2027 | 2028 2029 | 2030 2031 2032 2033 2034 | 2035 2036 2037 2038 20 | 39 2040 2041 2042 | 2 2043 | 2044 | Deficiency Repair Estimate |
|-------------------|-------------------------|--|-------------------|------|-----|-----------|-----|---------------------------|----------------|------------|--------------|---|--------------------------------|-------------------------|--------|------|-------------------------------|
| F1020 | Site | 7443731 Ancillary Building, Classroom/Office Module, Basic/Portable, Replace | 25 | 15 | 10 | 2525 | SF | \$100.00 \$252,500 | | | | \$252,500 | | | | | \$252,500 |
| F1020 | Site | 7443730 Ancillary Building, Classroom/Office Module, Basic/Portable, Replace | 25 | 15 | 10 | 2525 | SF | \$100.00 \$252,500 | | | | \$252,500 | | | | | \$252,500 |
| G2020 | Site | 7516133 Parking Lots, Pavement, Asphalt, Mill & Overlay | 25 | 23 | 2 | 41000 | SF | \$4.38 \$179,375 | \$179,37 | 5 | | | | | | | \$179,375 |
| G2020 | Site | 7666978 Parking Lots, Pavement, Asphalt, Seal & Stripe | 5 | 3 | 2 | 41000 | SF | \$0.45 \$18,450 | \$18,45 | D | | \$18,450 | \$18,450 | \$18,450 | | | \$73,800 |
| G2050 | Play courts | 7668073 Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Seal & S | ripe 5 | 3 | 2 | 16000 | SF | \$0.56 \$9,000 | \$9,00 | 0 | | \$9,000 | \$9,000 | \$9,000 | | | \$36,000 |
| G2050 | Site | 7443717 Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Seal & S | ripe 5 | 2 | 3 | 11000 | SF | \$0.45 \$4,950 | | \$4,950 | | \$4,950 | \$4,950 | \$4,950 | | | \$19,800 |
| G2050 | Site | 7443725 Sports Apparatus, Basketball, Backboard/Rim/Pole, Replace | 25 | 20 | 5 | 3 | EA | \$9,500.00 \$28,500 | | | \$28,500 | | | | | | \$28,500 |
| G2050 | Site | 7443710 Play Structure, Swing Set, 4 Seats, Replace | 20 | 15 | 5 | 3 | EA | \$2,500.00 \$7,500 | | | \$7,500 | | | | | | \$7,500 |
| G2050 | Site | 7443736 Play Structure, Multipurpose, Large, Replace | 20 | 10 | 10 | 2 | EA | \$35,000.00 \$70,000 | | | | \$70,000 | | | | | \$70,000 |
| G2050 | Site | 7443721 Playfield Surfaces, Chips Rubber, 6" Depth, Replace | 15 | 5 | 10 | 10675 | SF | \$7.00 \$74,725 | | | | \$74,725 | | | | | \$74,725 |
| G2060 | Site | 7443753 Park Bench, Metal Powder-Coated, Replace | 20 | 5 | 15 | 5 | EA | \$700.00 \$3,500 | | | | | \$3,5 | 00 | | | \$3,500 |
| G4050 | Site | 7443744 Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Repla | e/Install 20 | 10 | 10 | 4 | EA | \$4,200.00 \$16,800 | | | | \$16,800 | | | | | \$16,800 |
| G4050 | Building exterior | 7443739 Exterior Fixture w/ Lamp, any type, w/ LED Replacement, Replace | 20 | 17 | 3 | 14 | EA | \$600.00 \$8,400 | | \$8,400 | | | | | | | \$8,400 |
| Totals, Unesc | calated | | | | | | | \$ | 0 \$0 \$206,82 | 5 \$13,350 | \$0 \$36,000 | \$0 \$27,450 \$4,950 \$0 \$666,525 | \$0 \$27,450 \$4,950 \$0 \$3,5 | 00 \$0 \$27,450 \$4,950 | \$0 | \$0 | \$1,023,400 |
| Totals, Escala | ated (3.0% inflation, | n, compounded annually) | | | | | | \$ | 0 \$0 \$219,42 | 1 \$14,588 | \$0 \$41,734 | \$0 \$33,760 \$6,271 \$0 \$895,754 | \$0 \$39,137 \$7,269 \$0 \$5,4 | 53 \$0 \$45,371 \$8,427 | \$0 | \$0 | \$1,317,184 |



Appendix F: Equipment Inventory List



| D20 Plum | bing | | | | | | | | | | | | |
|----------|---------|--------|---------------------------------|--|----------|---|-------------------|---------------|-----------------|---------------|--------------|---------|-----|
| ndex | ID | UFCode | Component Description | Attributes | Capacity | Building | Location Detail | Manufacturer | Model | Serial | Dataplate Yr | Barcode | Qty |
| 1 | 7443741 | D2010 | Water Heater | Gas, Commercial (600 MBH) | 230 GAL | J.L. Francis Elementary School / Main Building | Mechanical roor | n A. O. Smith | BTH 199 100 | 1115M001881 | 2011 | | |
| 30 HVA | C | | | | | | | | | | | | |
| Index | ID | UFCode | Component Description | Attributes | Capacity | Building | Location Detail | Manufacturer | Model | Serial | Dataplate Yr | Barcode | Qty |
| 1 | 7443735 | D3020 | Boiler | Gas, HVAC | | J.L. Francis Elementary School / Main Building | Mechanical roor | n Camus | DFNH-1500-MGI | 071928453 | 2019 | 1576762 | |
| 2 | 7443724 | D3030 | Chiller | Water-Cooled, 10′ to 150 TON | 130 TON | J.L. Francis Elementary School / Main Building | Mechanical roor | n McQuay | WGZ130CA27-ER10 | STNU110700030 | 2011 | | |
| 3 | 7443750 | D3030 | Computer Room AC Unit [ACU1] | Air-Cooled Condenser, 51 to 60 TON | | J.L. Francis Elementary School / Main Building | Roof | Daikin | ACH.060A | T11602948 | 2011 | 1576804 | |
| 4 | 7443743 | D3030 | Computer Room AC Unit [ACU2] | Air-Cooled Condenser, 51 to 60 TON | | J.L. Francis Elementary School / Main Building | Roof | McQuay | ACH.060A | T11G02947 | 2011 | 1576801 | |
| 5 | 7443706 | D3030 | Heat Pump | Packaged & Wall- Mounted, 2.5 to 3 TON | | J.L. Francis Elementary School / Main Building | Building exterior | Inaccessible | Inaccessible | Inaccessible | | 1576736 | |
| 6 | 7443749 | D3030 | Heat Pump | Packaged & Wall- Mounted, 2.5 to 3 TON | | J.L. Francis Elementary School / Main Building | Building exterior | Inaccessible | Inaccessible | Inaccessible | | 1576735 | |
| 7 | 7443714 | D3030 | Heat Pump | Packaged & Wall- Mounted, 2.5 to 3 TON | | J.L. Francis Elementary School / Main Building | Modular exterior | Inaccessible | Inaccessible | Inaccessible | | 1576732 | |
| 8 | 7443703 | D3030 | Heat Pump | Packaged & Wall- Mounted, 2.5 to 3 TON | | J.L. Francis Elementary School / Main Building | Modular exterior | Inaccessible | Inaccessible | Inaccessible | | 1576740 | |

| 9 | 7443709 | D3030 | Heat Pump | Packaged & Wall- Mounted, 2.5 to 3 Inaccessible TON | J.L. Francis Elementary School / Main Building | Building exterior | - Inaccessible | Inaccessible | Inaccessible | | | |
|----|---------|-------|-------------------------|---|---|-------------------|----------------|-------------------|--------------|------|---------|----|
| 10 | 7443737 | D3030 | Split System | Condensing Unit, 4 TON | J.L. Francis Elementary School / Main Building | Roof | No dataplate | 24ABB348A610 | L5016E16433 | 2016 | 1576799 | |
| 11 | 7443742 | D3030 | Split System | Condensing Unit/Heat Pump | J.L. Francis Elementary School / Main Building | Roof | No dataplate | No dataplate | No dataplate | | 1576798 | |
| 12 | 7443754 | D3030 | Split System | Fan Coil Unit, DX | J.L. Francis Elementary School / Main Building | Kitchen | Carrier | FB4CNP048 | 1717A82784 | 2017 | 1576743 | |
| 13 | 7443745 | D3030 | Split System | Fan Coil Unit, DX | J.L. Francis Elementary School / Main Building | Kitchen | Carrier | FA48NF048 | 3405A89066 | 2005 | 1576738 | |
| 14 | 7443722 | D3050 | Pump | Distribution, HVAC Heating Water | J.L. Francis Elementary School / Main Building | Mechanical roor | n WEG | EL 0071B0T3E213TC | Illegible | | 1576802 | |
| 15 | 7443712 | D3050 | Pump | Distribution, HVAC Heating Water | J.L. Francis Elementary School / Main Building | Mechanical roor | n WEG | EL 0071B0T3E213TC | Illegible | | 1576803 | |
| 16 | 7718805 | D3050 | Fan Coil Unit | Hydronic Terminal, 401 to 800 CFM | J.L. Francis Elementary School / Main Building | Building interior | | | | | | 22 |
| 17 | 7443752 | D3050 | Packaged Unit | RTU, Pad or Roof- 15 TON Mounted | J.L. Francis Elementary School / Main Building | Roof | Trane | WCD180E40CAC 1" | 112710287D | 2011 | 1576796 | |
| 18 | 7443746 | D3050 | Packaged Unit [RTU1] | RTU, Pad or Roof- 15 TON Mounted | J.L. Francis Elementary School / Main Building | Roof | Trane | YCD180F4HAAA | 112710324D | 2011 | 1576734 | |
| 19 | 7443728 | D3050 | Packaged Unit [RTU3] | RTU, Pad or Roof- 7.5 TON Mounted | J.L. Francis Elementary School / Main Building | Roof | Trane | Illegible | Illegible | 2011 | 1576800 | |
| | | | | | | | | | | | | |

| 20 | 7443747 | D3060 | Exhaust Fan | Roof or Wall- Mounted, 24" Damper | 2500 Estimated CFM | J.L. Francis Elementary School / Main Building | Roof | Illegible | Illegible | Illegible | | | 12 |
|----------|-----------------|------------|--|---|-----------------------|---|-----------------|-------------------|--------------|--------------|--------------|---------|-----|
| D50 Elec | trical | | | | | | | | | | | | |
| Index | ID | UFCode | Component Description | Attributes | Capacity | Building | Location Detail | Manufacturer | Model | Serial | Dataplate Yr | Barcode | Qty |
| 1 | 7443708 | D5020 | Distribution Pane [PNL.SWBD] | 1 277/480 V | | J.L. Francis Elementary School / Main Building | Mechanical roor | n Federal Pacific | NA | NA | | 1576758 | |
| 2 | 7443755 | D5020 | Motor Control Center [MCC] | w/ Main Breaker | | J.L. Francis Elementary School / Main Building | Mechanical roor | n Federal Pacific | No dataplate | No dataplate | | 1576755 | |
| D70 Elec | tronic Safety 8 | & Security | | | | | | | | | | | |
| Index | ID | UFCode | Component Description | Attributes | Capacity | Building | Location Detail | Manufacturer | Model | Serial | Dataplate Yr | Barcode | Qty |
| 1 | 7443733 | D7050 | Fire Alarm Panel | Fully Addressable | | J.L. Francis Elementary School / Main Building | Office | Edwards | io Series | No dataplate | | 1576739 | |
| E10 Equi | ipment | | | | | | | | | | | | |
| Index | ID | UFCode | Component Description | Attributes | Capacity | Building | Location Detail | Manufacturer | Model | Serial | Dataplate Yr | Barcode | Qty |
| 1 | 7443713 | E1030 | Foodservice Equipment | Convection Oven Double | , | J.L. Francis Elementary School / Main Building | Kitchen | Master | 200 | No dataplate | | 1577876 | |
| 2 | 7443727 | E1030 | Foodservice Equipment | Convection Oven Double | , | J.L. Francis Elementary School / Main Building | Kitchen | Convotherm | C4ET620ESN | VS219114841 | | 1577874 | |
| 3 | 7443738 | E1030 | Foodservice Equipment | Dairy Cooler/Well | S | J.L. Francis Elementary School / Main Building | Kitchen | Beverage-Air | SMF49Y1S | 12408237 | | 1577867 | |
| 4 | 7443711 | E1030 | Foodservice Equipment | Dairy Cooler/Well | S | J.L. Francis Elementary School / Main Building | Kitchen | Beverage-Air | SMF34Y1S | 12404371 | | 1577877 | |
| | | | | Exhaust Hood, 8 | | J.L. Francis Elementary | | | | | | | |

| 6 | 7443740 | E1030 | Foodservice Equipment | Food Warmer, Proofing Cabinet on Wheels | J.L. Francis Elementary School / Main Building | Kitchen | Metro | NA | C5HME034049 | 2019 | 1577869 |
|----|---------|-------|--------------------------|---|---|---------|--------------|--------------|--------------|------|---------|
| 7 | 7443705 | E1030 | Foodservice Equipment | Food Warmer, Proofing Cabinet on Wheels | J.L. Francis Elementary School / Main Building | Kitchen | Metro | NA | C5HME034036 | 2019 | 1577870 |
| 8 | 7443718 | E1030 | Foodservice Equipment | Food Warmer, Proofing Cabinet on Wheels | J.L. Francis Elementary School / Main Building | Kitchen | No dataplate | No dataplate | No dataplate | | 1577868 |
| 9 | 7443729 | E1030 | Foodservice Equipment | Freezer, 2-Door Reach-In | J.L. Francis Elementary School / Main Building | Kitchen | Delfield | GBF2P-S | 1120528567 | | 1576741 |
| 10 | 7443704 | E1030 | Foodservice Equipment | Freezer, 3-Door Reach-In | J.L. Francis Elementary School / Main Building | Kitchen | Traulsen | G31310 | T99120G05 | | 1577865 |
| 11 | 7443716 | E1030 | Foodservice Equipment | Refrigerator, 2- Door Reach-In | J.L. Francis Elementary School / Main Building | Kitchen | Manitowoc | GBR2S | 1120097909 | | 1577872 |
| 12 | 7443720 | E1030 | Foodservice Equipment | Refrigerator, 3- Door Reach-In | J.L. Francis Elementary School / Main Building | Kitchen | Manitowoc | BBR3S | 1120066294 | | 1577871 |
| 13 | 7443726 | E1030 | Foodservice Equipment | Refrigerator, 3- Door Reach-In | J.L. Francis Elementary School / Main Building | Kitchen | Traulsen | T45375H10 | G30010 | | 1576742 |
| 14 | 7443748 | E1030 | Foodservice Equipment | Steam Kettle | J.L. Francis Elementary School / Main Building | Kitchen | Cleveland | Illegible | Illegible | | 1577875 |
| 15 | 7443723 | E1030 | Foodservice Equipment | Walk-In, Freezer | J.L. Francis Elementary School / Main Building | Kitchen | Kolpak | HARC2N1A | 410218382 | 2020 | 1577866 |