

# FACILITY CONDITION ASSESSMENT



**BUREAU  
VERITAS**

*prepared for*

**Shelby County Board of Education**  
160 South Hollywood Street  
Memphis, Tennessee 38112-4892  
Michelle Stuart



Northhaven Elementary  
5157 North Circle Road  
Memphis, Tennessee 38127

## **PREPARED BY:**

*Bureau Veritas  
6021 University Boulevard, Suite 200  
Ellicott City, Maryland 21043  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)*

## **BV CONTACT:**

*Andy Hupp  
Program Manager  
800.733.0660 x7296632  
[Andy.Hupp@BureauVeritas.com](mailto:Andy.Hupp@BureauVeritas.com)*

## **BV PROJECT #:**

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## **ON SITE DATE:**

*February 22, 2024*

Bureau Veritas

6021 University Boulevard, Suite 200 | Ellicott City, Maryland 21043 | [www.us.bureauveritas.com](http://www.us.bureauveritas.com) | p 800.733.0660

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# 1. Executive Summary

## Property Overview and Assessment Details

| General Information               |   |
|-----------------------------------|---|
| Property Type                     | Elementary School   |
| Main Address                      | 5157 North Circle Road, Memphis, Tennessee 38127  |
| Site Developed                    | 1974 / Renovated 1994   |
| Site Area                         | 12.3 acres (estimated)  |
| Parking Spaces                    | 111 total spaces all in open lots; 4 of which are accessible  |
| Building Area                     | 70,350 SF   |
| Number of Stories                 | 1 above grade   |
| Outside Occupants/Leased Spaces   | None  |
| Date(s) of Visit                  | February 22, 2023   |
| Management Point of Contact       | Ms. Mary Taylor, Shelby County Board of Education<br>(901) 416-5376<br><a href="mailto:taylorm15@scsk12.org">taylorm15@scsk12.org</a>   |
| On-site Point of Contact (POC)    | Charles Truesdale II (Plant Manager), Louis Padgett III (Principal)   |
| Assessment and Report Prepared By | Francis Hebron  |
| Reviewed By                       | Al Diefert<br>Technical Report Reviewer<br>For<br>Andy Hupp<br>Program Manager<br><a href="mailto:Andy.Hupp@bureauveritas.com">Andy.Hupp@bureauveritas.com</a><br>800.733.0660 x7296632 |
| AssetCalc Link                    | Full dataset for this assessment can be found at:<br><a href="https://www.assetcalc.net/">https://www.assetcalc.net/</a>  |

## Significant/Systemic Findings and Deficiencies

### Historical Summary

Northaven was opened in 1979 as a K-3 school in order to relieve overcrowding at The Woodstock School. In 1999 an addition was constructed consisting of supplemental classroom space and a gymnasium. Thereafter, in an effort to consolidate resources and assets a nearby school was closed and its students were transferred to Northaven. This expanded the school from grades PK-5 to PK-8. Northaven has been recently recognized as a “community school” as it provides services to the surrounding community such as a food bank and career center.

### Architectural

There appears to be several leaks throughout the building in relation to the age and quality of the roofing as well as errors in the recent installation of an array of roof mounted packaged units. These leaks have caused issues with mold as well as damaged textbooks. The majority of the buildings fenestration appears to require replacement due to regular wear over time resulting in failed seals. Both bituminous and metal roofing should be replaced in the next five years due to age associated wear. The roof drainage system appears to have been damaged by vines which should be removed. All exterior metal doors and columns should be refinished in order to prevent corrosion. Transverse cracks were observed in the flooring which may indicate a shifting foundation.

### Mechanical, Electrical, Plumbing and Fire (MEPF)

The buildings utilities appear to be in poor condition. The main water line was recently (2024) properly repaired after being repeatedly broken. It is reported that underground electrical utilities at the edge of the property have completely failed causing a minor explosion. The electrical service is reported to be generally undersized as circuit breakers are easily tripped. All electrical components dating back to the opening of the building should be replaced. In 2022 the HVAC system was upgraded with over sixty new roof top packaged units. There have been issues with the aforementioned units leading to leaks in the ceiling. The plumbing system is reported to be in generally poor condition. The majority of existing water heaters are due to be replaced. The 1979 section of the school's plumbing system should be considered for upgrade/replacement due to age and weak water pressure. The fire suppression and alarm system are in generally good order. The fire alarm panel is functional though it is recommended that it be upgraded.

### Site

One of two playgrounds on site is defunct as a set of its stairs has corroded and failed causing it to be unsafe. As such it is recommended the aforementioned play structure be replaced. The asphalt parking lots will require striping.

### 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 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

|                      |   |
|----------------------|---|
| <b>0 – 5%</b>        | In new or well-maintained condition, with little or no visual evidence of wear or deficiencies. |
| <b>5 – 10%</b>       | Subjected to wear but is still in a serviceable and functioning condition.                      |
| <b>10 – 30%</b>      | Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.         |
| <b>30% and above</b> | 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 | Northaven Elementary(1974)

|                          |                         |                |
|--------------------------|-------------------------|----------------|
| <i>Replacement Value</i> | <i>Total SF</i>         | <i>Cost/SF</i> |
| \$ 28,140,000            | 70,350                  | \$ 400         |
|                          | <b>Est Reserve Cost</b> | <b>FCI</b>     |
| <b>Current</b>           | \$ 20,000               | 0.1 %          |
| 3-Year                   | \$ 1,571,100            | 5.6 %          |
| 5-Year                   | \$ 2,319,300            | 8.2 %          |
| 10-Year                  | \$ 4,986,200            | 17.7 %         |

The vertical bars below represent the year-by-year needs identified for the site. The orange line in the graph below 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 (blue bars) are associated with the values along the right Y axis.

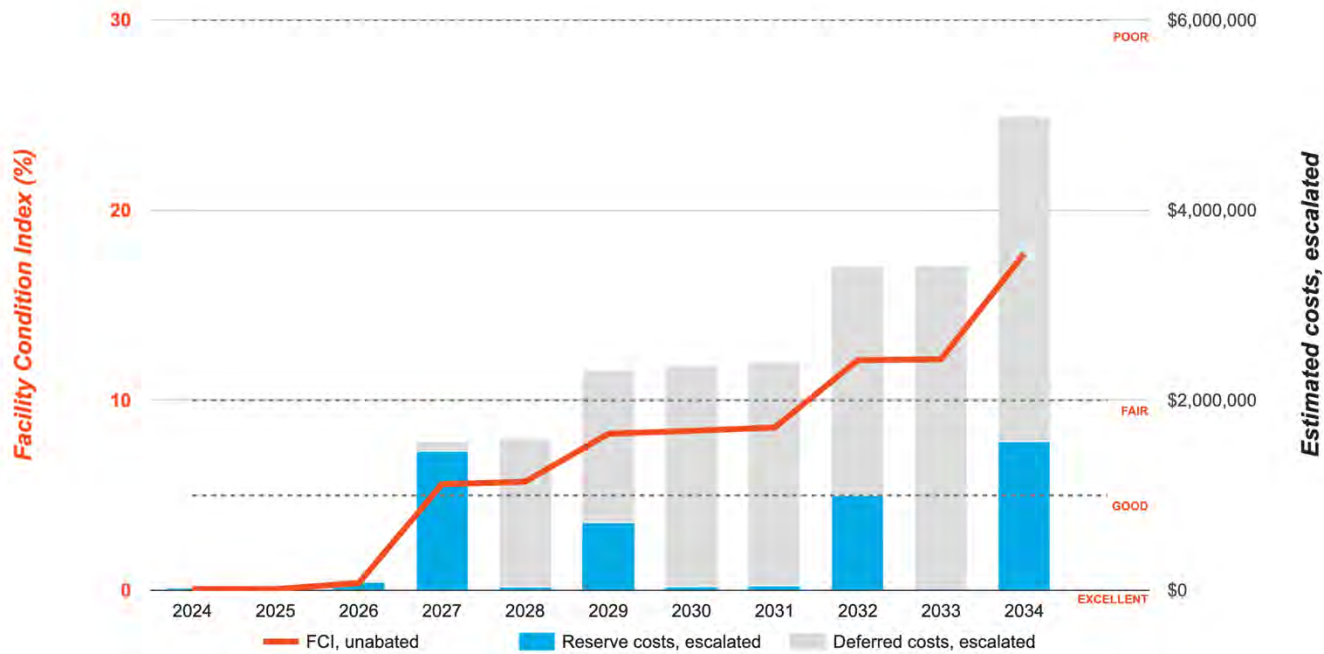
Needs by Year with Unaddressed FCI Over Time

FCI Analysis: Northaven Elementary

Replacement Value: \$28,140,000

Inflation Rate: 3.0%

Average Needs per Year: \$453,300



Immediate Needs

| Facility/Building    | Total Items | Total Cost |
|----------------------|-------------|------------|
| Northaven Elementary | 1           | \$20,000   |
| Total                | 1           | \$20,000   |

Northaven Elementary

| ID              | Location             | Location Description | UF Code | Description                                   | Condition | Plan Type | Cost     |
|-----------------|----------------------|----------------------|---------|---|-----------|-----------|----------|
| 7388318         | Northaven Elementary | Site                 | G2050   | Play Structure, Multipurpose, Medium, Replace | Failed    | Safety    | \$20,000 |
| Total (1 items) |                      |                      |         |   |           |           | \$20,000 |



## Key Findings

**Play Structure in Failed condition.**

Multipurpose, Medium  
Northaven Elementary Site

Uniformat Code: G2050  
Recommendation: **Replace in 2024**

Priority Score: **91.9**

Plan Type: Safety

Cost Estimate: \$20,000

\$\$\$\$

Stairs have rusted to the point of fracture and separation. No longer used by school. - AssetCALC ID: 7388318

**Window in Poor condition.**

Aluminum Double-Glazed, 16-25 SF  
Northaven Elementary Building exterior

Uniformat Code: B2020  
Recommendation: **Replace in 2026**

Priority Score: **87.7**

Plan Type:  
Performance/Integrity

Cost Estimate: \$38,000

\$\$\$\$

Condensate can be observed in between the glazing of the majority of windows indicating compromised seals  
- AssetCALC ID: 7388303

**Water Heater in Poor condition.**

Electric, Commercial ( 36 kW), 81 to 130 GAL  
Northaven Elementary Water Room

Uniformat Code: D2010  
Recommendation: **Replace in 2026**

Priority Score: **83.7**

Plan Type:  
Performance/Integrity

Cost Estimate: \$18,500

\$\$\$\$

Unit consistently leaks, requires repair/replacement - AssetCALC ID: 7388385

**Water Heater in Poor condition.**

Gas, Commercial (200 MBH)  
Northaven Elementary Throughout building

Uniformat Code: D2010  
Recommendation: **Replace in 2026**

Priority Score: **83.7**

Plan Type:  
Performance/Integrity

Cost Estimate: \$16,600

\$\$\$\$

Leaking water - AssetCALC ID: 7388361

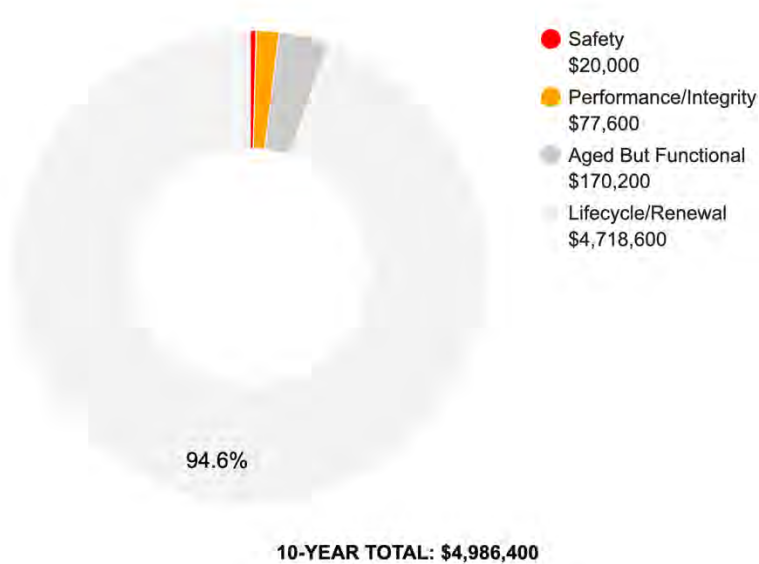
## Plan Types

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

|                              |   |
|------------------------------|---|
| <b>Safety</b>                | ■ An observed or reported unsafe condition that if left unaddressed could result in injury; a system or component that presents potential liability risk. |
| <b>Performance/Integrity</b> | ■ Component or system has failed, is almost failing, performs unreliably, does not perform as intended, and/or poses risk to overall system stability.    |
| <b>Accessibility</b>         | ■ Does not meet ADA, UFAS, and/or other accessibility requirements.   |
| <b>Environmental</b>         | ■ Improvements to air or water quality, including removal of hazardous materials from the building or site.   |
| <b>Retrofit/Adaptation</b>   | ■ Components, systems, or spaces recommended for upgrades in in order to meet current standards, facility usage, or client/occupant needs.                |
| <b>Lifecycle/Renewal</b>     | ■ 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)



## 2. Building and Site Information



### Systems Summary

| System                  | Description  | Condition |
|-------------------------|--|-----------|
| <b>Structure</b>        | Masonry bearing walls with metal roof deck supported by open-web steel joists and concrete strip/wall footing foundation system  | Fair      |
| <b>Façade</b>           | Primary Wall Finish: Brick<br>Windows: Aluminum  | Fair      |
| <b>Roof</b>             | Flat construction with modified bituminous finish  | Poor      |
| <b>Interiors</b>        | Walls: Painted CMU<br>Floors: VCT, ceramic tile, quarry tile<br>Ceilings: Painted gypsum board and ACT   | Fair      |
| <b>Elevators</b>        | None   | --        |
| <b>Plumbing</b>         | Distribution: Copper supply and PVC waste and venting<br>Hot Water: Electric water heaters with integral tanks<br>Fixtures: Toilets, urinals, and sinks in all restrooms | Fair      |
| <b>HVAC</b>             | Non-Central System: Packaged units<br>Supplemental components: Ductless split-systems, Split-system heat pumps, Suspended unit heaters, Make-up air units                | Fair      |
| <b>Fire Suppression</b> | Wet-pipe sprinkler system and fire extinguishers, and kitchen hood system  | Fair      |

| Systems Summary                   |   |      |
|-----------------------------------|---|------|
| <b>Electrical</b>                 | Source & Distribution: Main switchboard with copper wiring<br>Interior Lighting: linear fluorescent, CFL<br>Emergency Power: Diesel generator   | Poor |
| <b>Fire Alarm</b>                 | Alarm panel with smoke detectors, alarms, strobes, pull stations, back-up emergency lights, and exit signs  | Fair |
| <b>Equipment/Special</b>          | Commercial kitchen equipment  | Fair |
| <b>Site Pavement</b>              | Asphalt lots with limited areas of concrete aprons and pavement and adjacent concrete sidewalks, curbs, ramps, and stairs   | Fair |
| <b>Site Development</b>           | Building-mounted and monumental entrance signage;<br>Chain link fencing;<br>Playgrounds and play fields<br>Limited park benches, picnic tables, trash receptacles                       | Fair |
| <b>Landscaping and Topography</b> | Significant landscaping features including lawns and trees<br>Irrigation not present<br>Severe site slopes along east, west, and south boundary; Moderate slope along northern boundary | Fair |
| <b>Utilities</b>                  | Municipal water and sewer<br>Local utility-provided electric and natural gas  | Poor |
| <b>Site Lighting</b>              | Pole-mounted: HPS<br>Building-mounted: metal halide<br>Pedestrian walkway and landscape accent lighting   | Fair |
| <b>Ancillary Structures</b>       | None  | --   |
| <b>Accessibility</b>              | Presently it does not appear an accessibility study is needed for this property. See Appendix D.  |      |
| <b>Key Issues and Findings</b>    | Failed play structure, bad seals in windows, leaking water heaters  |      |

## Systems Expenditure Forecast

| System                          | Immediate       | Short Term<br>(1-2 yr) | Near Term<br>(3-5 yr) | Med Term<br>(6-10 yr) | Long Term<br>(11-20 yr) | TOTAL              |
|---------------------------------|-----------------|------------------------|-----------------------|-----------------------|-------------------------|--------------------|
| Facade                          | -               | \$40,300               | \$4,300               | \$30,400              | -                       | \$75,100           |
| Roofing                         | -               | -                      | \$768,700             | \$14,800              | -                       | \$783,600          |
| Interiors                       | -               | -                      | \$10,800              | \$926,600             | \$333,000               | \$1,270,400        |
| Plumbing                        | -               | \$37,200               | \$70,400              | \$1,505,300           | \$50,300                | \$1,663,200        |
| HVAC                            | -               | -                      | \$10,600              | \$3,800               | \$1,060,500             | \$1,074,900        |
| Fire Protection                 | -               | -                      | -                     | \$100,700             | \$10,900                | \$111,600          |
| Electrical                      | -               | -                      | \$784,200             | \$7,800               | \$70,100                | \$862,100          |
| Fire Alarm & Electronic Systems | -               | -                      | \$262,100             | -                     | \$27,100                | \$289,100          |
| Equipment & Furnishings         | -               | \$11,100               | \$95,400              | \$77,400              | \$391,500               | \$575,400          |
| Site Utilities                  | -               | -                      | \$74,200              | -                     | -                       | \$74,200           |
| Site Pavement                   | -               | -                      | \$129,800             | -                     | -                       | \$129,800          |
| Site Development                | \$20,000        | -                      | -                     | -                     | \$36,100                | \$56,100           |
| <b>TOTALS (3% inflation)</b>    | <b>\$20,000</b> | <b>\$88,700</b>        | <b>\$2,210,600</b>    | <b>\$2,666,900</b>    | <b>\$1,979,500</b>      | <b>\$6,965,700</b> |

\*Totals have been rounded to the nearest \$100.

### 3. Property Space Use and Observed Areas

#### 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.

#### 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.

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 checklists that are 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 particular assessment. A full measured ADA survey would be required to identify any and all 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 not included in the dataset
- For any “none” boxes checked or reference to “no issues” identified, that alone does not guarantee full compliance

The facility was originally constructed in 1979. The facility was substantially renovated in 1999 and some accessibility improvements appear to have been implemented at that time.

During the interview process with the client representatives, no complaints or pending litigation associated with potential accessibility issues was reported.

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     |   |
|-----------------------|---|
| <b>Excellent</b>      | 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.   |
| <b>Good</b>           | 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.   |
| <b>Fair</b>           | 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.  |
| <b>Poor</b>           | 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. |
| <b>Failed</b>         | Component or system has ceased functioning or performing as intended. Replacement, repair, or other significant corrective action is recommended or required.   |
| <b>Not Applicable</b> | 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*, 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 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, 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'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

Shelby County Board of Education (the Client) retained Bureau Veritas to perform this Facility Condition Assessment in connection with its continued operation of Northaven Elementary, 5157 North Circle Road, Memphis Tennessee 38127, 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:** Francis Hebron,  
Project Manager

**Reviewed by:**   
Al Diefert,  
Technical Report Reviewer for  
Andy Hupp,  
Program Manager  
[Andy.Hupp@bureauveritas.com](mailto:Andy.Hupp@bureauveritas.com)  
800.733.0660 x-7296632 p

## 8. Appendices

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

## Appendix A:

### Photographic Record

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## Photographic Overview



1 - FRONT ELEVATION



2 - LEFT ELEVATION



3 - REAR ELEVATION



4 - RIGHT ELEVATION



5 - PLAYGROUND 1



6 - PLAYGROUND 2

## Photographic Overview



7 - PARKING LOT



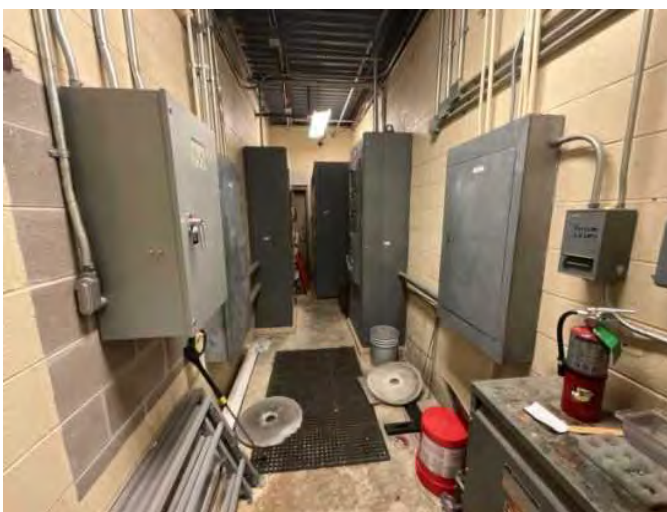
8 - PARKING LOT DETERIORATION



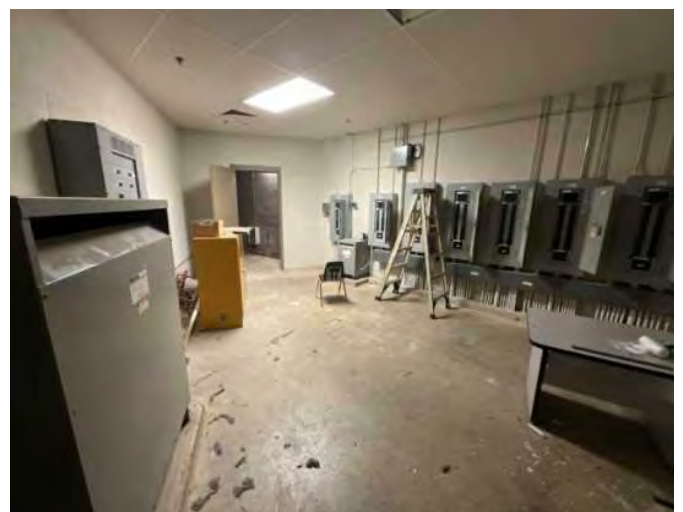
9 - ROOF



10 - PACKAGED UNIT (2022)



11 - ELECTRICAL ROOM (ORIGINAL)



12 - ELECTRICAL ROOM (ADDITION)

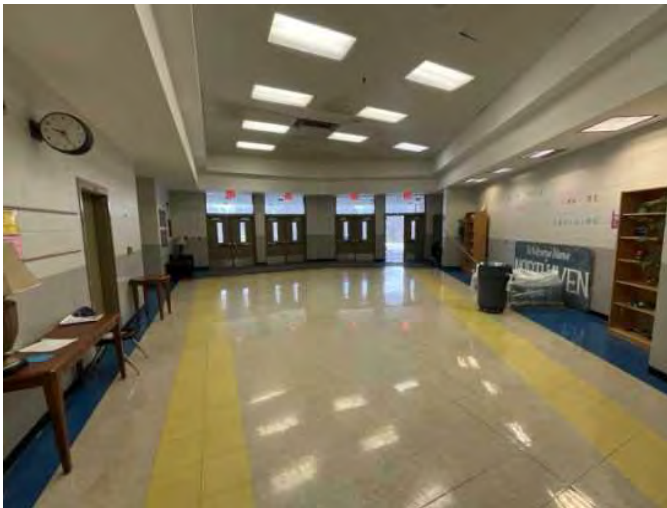
## Photographic Overview



13 - UTILITY CLOSET



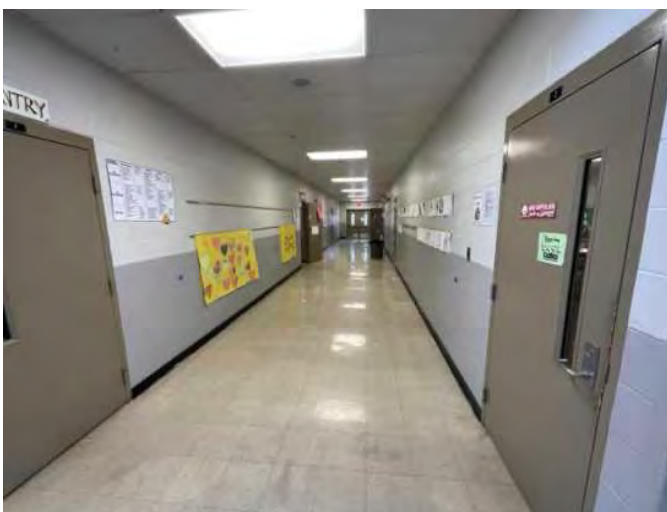
14 - WATER UTILITY ROOM (ADDITION)



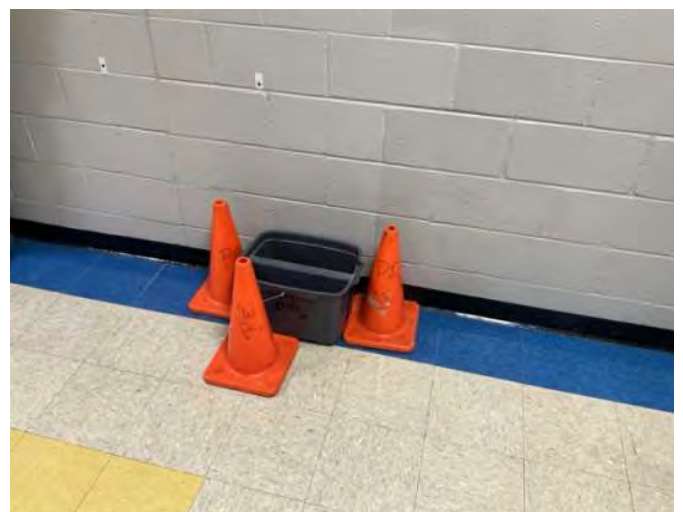
15 - LOBBY



16 - MAIN OFFICE



17 - HALLWAY



18 - ROOF LEAK MITIGATION

## Photographic Overview



19 - RESTROOM



20 - CLASSROOM



21 - COMPUTER LAB



22 - SCIENCE CLASSROOM



23 - TEACHERS LOUNGE



24 - STAFF RESTROOM

## Photographic Overview



25 - GROCERY/FOOD BANK



26 - JOB NETWORK



27 - LIBRARY



28 - GYMNASIUM



## Appendix B:

### Site Plan

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Site Plan



|  | Project Number        | Project Name         |  |
|---|-----------------------|----------------------|---|
|   | 163745.23R000-145.354 | Northaven Elementary |   |
|   | Source                | On-Site Date         |   |
|   | Google Earth          | February 22, 2024    |   |

## Appendix C:

### Pre-Survey Questionnaire

---

# BV FACILITY CONDITION ASSESSMENT: PRE-SURVEY QUESTIONNAIRE

**Building / Facility Name:** Northaven Elementary

**Name of person completing form:** Mr. Louis Padgett

**Title / Association w/ property:** Principal

**Length of time associated w/ property:** 18 years

**Date Completed:** February 20, 2024

**Phone Number:** 9012468540

**Method of Completion:** DURING - verbally completed during assessment

**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.

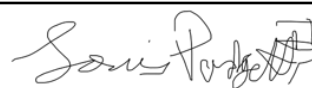
| Data Overview |  | Response            |                   |   |
|---------------|--|---------------------|-------------------|---|
| 1             | Year(s) constructed  | Constructed<br>1974 | Renovated<br>1994 |   |
| 2             | Building size in SF  | SF                  |                   |   |
| 3             | Major Renovation/Rehabilitation  |                     | Year              | Additional Detail   |
|               |  | Facade              |                   |   |
|               |  | Roof                |                   |   |
|               |  | Interiors           |                   |   |
|               |  | HVAC                | 2022              | Issues with HVAC piping at time of system renovation leading to leaks. Consultant required. |
|               |  | Electrical          |                   |   |
|               |  | Site Pavement       |                   |   |
|               |  | Accessibility       |                   |   |
| 4             | List other significant capital improvements (focus on recent years; provide approximate date).         |                     |                   |   |
| 5             | List any major capital expenditures planned/requested for the next few years. Have they been budgeted? |                     |                   |   |
| 6             | Describe any on-going extremely problematic, historically chronic, or immediate facility needs.        |                     |                   |   |

Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any **Yes** responses. (**NA** indicates "Not Applicable", **Unk** indicates "Unknown")

| Question |  | Response |    |     |    | Comments  |
|----------|--|----------|----|-----|----|---|
|          |  | Yes      | No | Unk | NA |   |
| 7        | Are there any problems with foundations or structures, like excessive settlement?  | ✗        |    |     |    | Cracks in floor and significant erosion of the parking lot at its edges could indicate shifting grade leading to developing problems with the building foundation |
| 8        | Are there any wall, window, basement or roof leaks?  | ✗        |    |     |    |   |
| 9        | Has any part of the facility ever contained visible suspect mold growth, or have there been any indoor air quality complaints?             | ✗        |    |     |    | Several rooms (1,2,20,3,45,44) in association with moisture in walls caused by HVAC line leaks.   |
| 10       | Are your elevators unreliable, with frequent service calls?  |          | ✗  |     |    |   |
| 11       | Are there any plumbing leaks, water pressure, or clogging/backup issues?   | ✗        |    |     |    |   |
| 12       | Have there been any leaks or pressure problems with natural gas, HVAC piping, or steam service?  | ✗        |    |     |    |   |
| 13       | Are any areas of the facility inadequately heated, cooled or ventilated? Poorly insulated areas?   | ✗        |    |     |    |   |
| 14       | Is the electrical service outdated, undersized, or problematic?  | ✗        |    |     |    |   |
| 15       | Are there any problems or inadequacies with exterior lighting?   |          | ✗  |     |    |   |
| 16       | Is site/parking drainage inadequate, with excessive ponding or other problems?   |          | ✗  |     |    |   |
| 17       | Are there any other unresolved construction defects or significant issues/hazards at the property that have not yet been identified above? | ✗        |    |     |    | Back stairs are not ADA accessible. In the case of a fire disabled students must take a further path of travel.   |
| 18       | ADA: Has an accessibility study been previously performed? If so, when?  | ✗        |    |     |    |   |
| 19       | ADA: Have any ADA improvements been made to the property since original construction? Describe.  | ✗        |    |     |    | Sidewalks were made ADA accessible (2007)   |
| 20       | ADA: Has building management reported any accessibility-based complaints or litigation?  |          | ✗  |     |    |   |
| 21       | Are any areas of the property leased to outside occupants?   |          | ✗  |     |    |   |



Signature of Assessor



Signature of POC

## **Appendix D:** Accessibility Review and Photos

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## Visual Checklist - 2010 ADA Standards for Accessible Design

Property Name: Northaven Elementary

BV Project Number: 163745.23R000-145.354

### Abbreviated Accessibility Checklist

#### 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. | ✗   |    |     | Sidewalks were made ADA accessible (2007) |
| 3        | Has building management reported any accessibility-based complaints or litigation?         |     | ✗  |     |   |

## Abbreviated Accessibility Checklist

### Parking



OVERVIEW OF ACCESSIBLE PARKING AREA



2ND AREA OF ACCESSIBLE PARKING

| Question |   | Yes | No | NA | Comments |
|----------|---|-----|----|----|----------|
| 1        | Does the required number of standard ADA designated spaces appear to be provided ?          | ✗   |    |    |          |
| 2        | Does the required number of van-accessible designated spaces appear to be provided ?        | ✗   |    |    |          |
| 3        | Are accessible spaces on the shortest accessible route to an accessible building entrance ? | ✗   |    |    |          |
| 4        | Does parking signage include the International Symbol of Accessibility ?                    | ✗   |    |    |          |
| 5        | Does each accessible space have an adjacent access aisle ?                                  | ✗   |    |    |          |
| 6        | Do parking spaces and access aisles appear to be relatively level and without obstruction ? | ✗   |    |    |          |

## Abbreviated Accessibility Checklist

### Exterior Accessible Route



ACCESSIBLE PATH



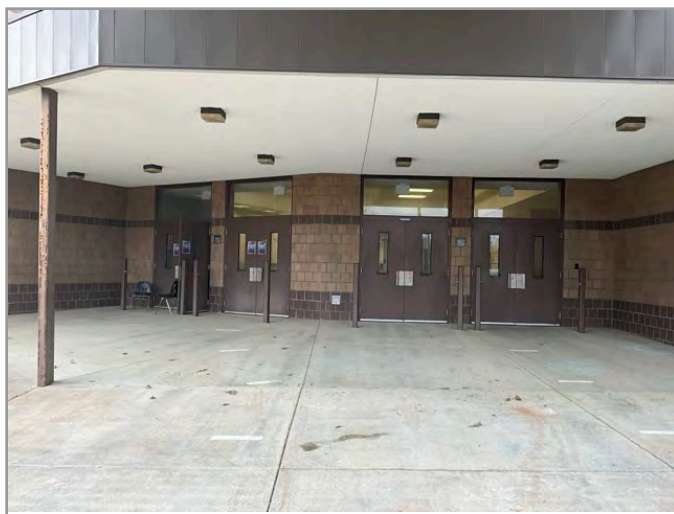
CURB CUT

| Question |  | Yes | No | NA | Comments |
|----------|--|-----|----|----|----------|
| 1        | Is an accessible route present from public transportation stops and municipal sidewalks on or immediately adjacent to the property ?                                       | ✗   |    |    |          |
| 2        | Does a minimum of one accessible route appear to connect all public areas on the exterior, such as parking and other outdoor amenities, to accessible building entrances ? | ✗   |    |    |          |
| 3        | Are curb ramps present at transitions through raised curbs on all accessible routes?   | ✗   |    |    |          |
| 4        | Do curb ramps appear to have compliant slopes for all components ?   | ✗   |    |    |          |
| 5        | Do ramp runs on an accessible route appear to have compliant slopes ?  | ✗   |    |    |          |
| 6        | Do ramp runs on an accessible route appear to have a compliant rise and width ?  | ✗   |    |    |          |

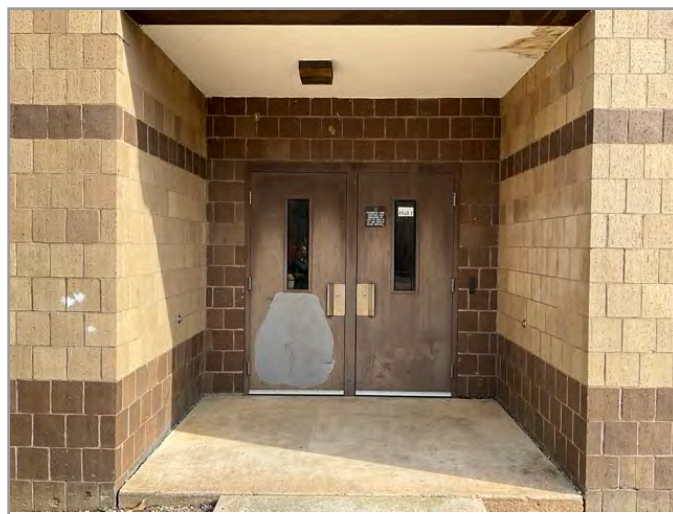
|          |   |   |  |   |  |
|----------|---|---|--|---|--|
| <b>7</b> | Do ramps on an accessible route appear to have compliant end and intermediate landings ?                  | ✕ |  |   |  |
| <b>8</b> | Do ramps and stairs on an accessible route appear to have compliant handrails?                            | ✕ |  |   |  |
| <b>9</b> | For stairways that are open underneath, are permanent barriers present that prevent or discourage access? |   |  | ✕ |  |

## Abbreviated Accessibility Checklist

### Building Entrances



MAIN ENTRANCE



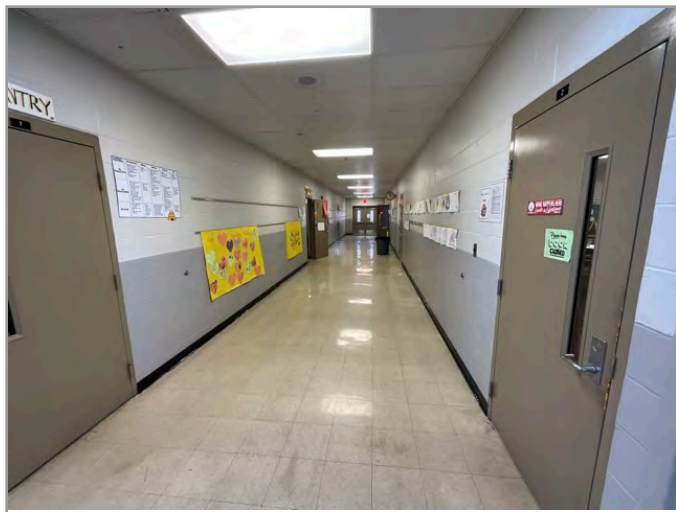
ADDITIONAL ENTRANCE

|   | Question  | Yes | No | NA | Comments |
|---|---|-----|----|----|----------|
| 1 | Do a sufficient number of accessible entrances appear to be provided ?                              | ✗   |    |    |          |
| 2 | If the main entrance is not accessible, is an alternate accessible entrance provided?               |     |    | ✗  |          |
| 3 | Is signage provided indicating the location of alternate accessible entrances ?                     |     |    | ✗  |          |
| 4 | Do doors at accessible entrances appear to have compliant maneuvering clearance area on each side ? | ✗   |    |    |          |
| 5 | Do doors at accessible entrances appear to have compliant hardware ?                                | ✗   |    |    |          |
| 6 | Do doors at accessible entrances appear to have a compliant clear opening width ?                   | ✗   |    |    |          |

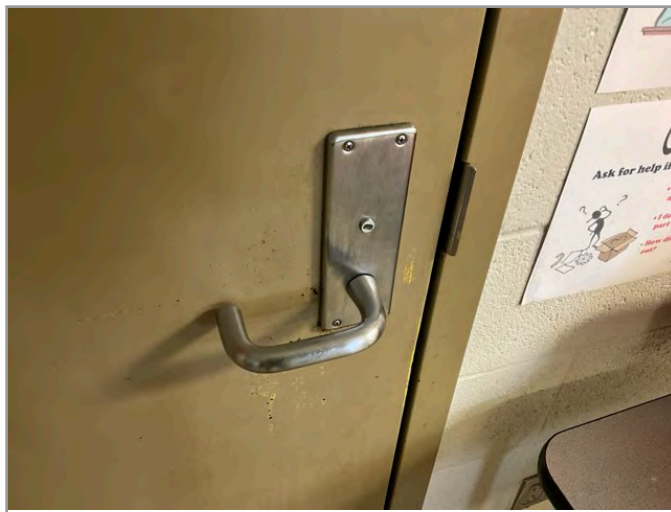
|   |   |   |  |   |  |
|---|---|---|--|---|--|
| 7 | Do pairs of accessible entrance doors in series appear to have the minimum clear space between them ? |   |  | × |  |
| 8 | Do thresholds at accessible entrances appear to have a compliant height ?                             | × |  |   |  |

## Abbreviated Accessibility Checklist

### Interior Accessible Route



ACCESSIBLE INTERIOR PATH



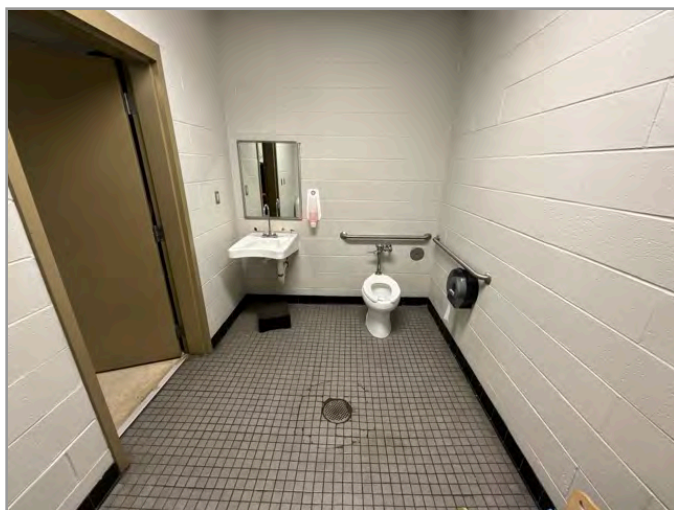
DOOR HARDWARE

|   | Question   | Yes | No | NA | Comments |
|---|--|-----|----|----|----------|
| 1 | Does an accessible route appear to connect all public areas inside the building ?      | ✗   |    |    |          |
| 2 | Do accessible routes appear free of obstructions and/or protruding objects ?           | ✗   |    |    |          |
| 3 | Do ramps on accessible routes appear to have compliant slopes ?                        |     |    | ✗  |          |
| 4 | Do ramp runs on an accessible route appear to have a compliant rise and width ?        |     |    | ✗  |          |
| 5 | Do ramps on accessible routes appear to have compliant end and intermediate landings ? |     |    | ✗  |          |
| 6 | Do ramps on accessible routes appear to have compliant handrails ?                     |     |    | ✗  |          |

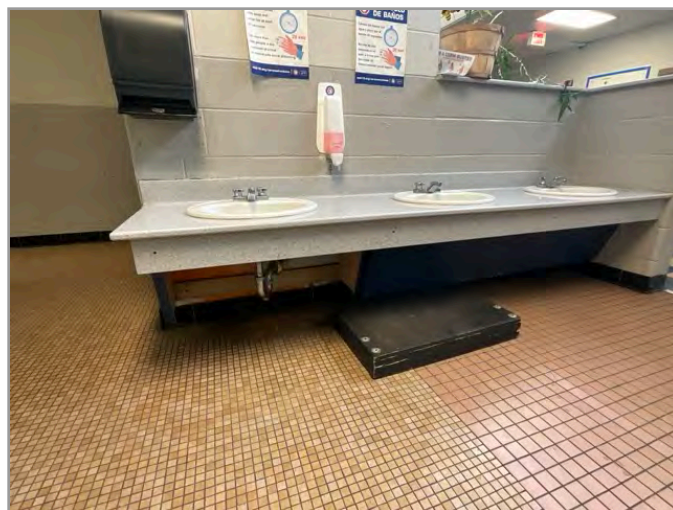
|    |   |   |  |   |   |
|----|---|---|--|---|---|
| 7  | Are accessible areas of refuge and the accessible means of egress to those areas identified with accessible signage ? |   |  | × | 1 story building with multiple points of egress |
| 8  | Do public transaction areas have an accessible, lowered service counter section ?                                     | × |  |   |   |
| 9  | Do public telephones appear mounted with an accessible height and location ?  |   |  | × |   |
| 10 | Do doors at interior accessible routes appear to have compliant maneuvering clearance area on each side ?             | × |  |   |   |
| 11 | Do doors at interior accessible routes appear to have compliant hardware ?  | × |  |   |   |
| 12 | Do non-fire hinged, sliding, or folding doors on interior accessible routes appear to have compliant opening force ?  | × |  |   |   |
| 13 | Do doors on interior accessible routes appear to have a compliant clear opening width ?                               | × |  |   |   |

## Abbreviated Accessibility Checklist

### Public Restrooms



TOILET STALL OVERVIEW



SINK, FAUCET HANDLES AND ACCESSORIES

| Question |   | Yes | No | NA | Comments  |
|----------|---|-----|----|----|---|
| 1        | Do publicly accessible toilet rooms appear to have a minimum compliant floor area ?         | ✗   |    |    |   |
| 2        | Does the lavatory appear to be mounted at a compliant height and with compliant knee area ? | ✗   |    |    |   |
| 3        | Does the lavatory faucet have compliant handles ?   |     | ✗  |    | Faucets handles at student restrooms require twisting |
| 4        | Is the plumbing piping under lavatories configured to protect against contact ?             | ✗   |    |    |   |
| 5        | Are grab bars provided at compliant locations around the toilet ?                           | ✗   |    |    |   |
| 6        | Do toilet stall doors appear to provide the minimum compliant clear width ?                 | ✗   |    |    |   |

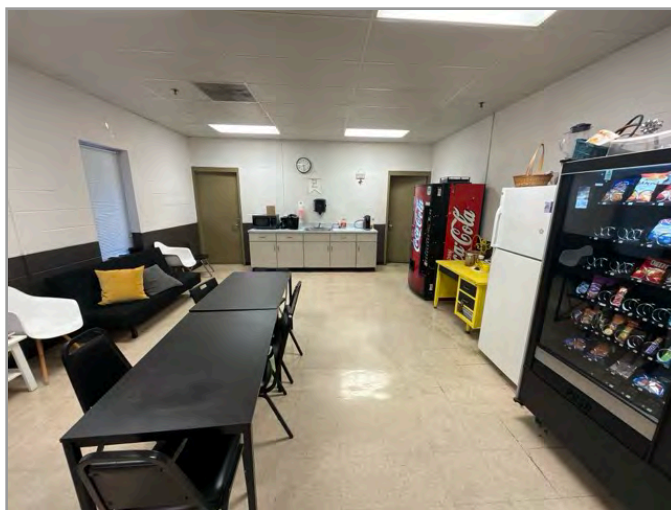
|   |  |   |  |  |  |
|---|--|---|--|--|--|
| 7 | Do toilet stalls appear to provide the minimum compliant clear floor area ?  | X |  |  |  |
| 8 | Where more than one urinal is present in a multi-user restroom, does minimum one urinal appear to be mounted at a compliant height and with compliant approach width ? | X |  |  |  |
| 9 | Do accessories and mirrors appear to be mounted at a compliant height ?  | X |  |  |  |

## Abbreviated Accessibility Checklist

### Kitchens/Kitchenettes



KITCHEN CABINETS



BREAKROOM OVERVIEW

| Question |   | Yes | No | NA | Comments |
|----------|---|-----|----|----|----------|
| 1        | Do kitchens/kitchenettes appear to have a minimum compliant path of travel or area of maneuverability ? | ✗   |    |    |          |
| 2        | Are the appliances centered for a parallel or forward approach with adequate clear floor space ?        | ✗   |    |    |          |
| 3        | Is there an accessible countertop/preparation space of proper width and height ?                        | ✗   |    |    |          |
| 4        | Is there an accessible sink space of proper width and height ?  | ✗   |    |    |          |
| 5        | Does the sink faucet have compliant handles ?   |     | ✗  |    |          |
| 6        | Is the plumbing piping under the sink configured to protect against contact ?                           | ✗   |    |    |          |

|   |   |  |  |   |  |
|---|---|--|--|---|--|
| 7 | Are the cooktop/range controls front-mounted (or in a location that does not require reaching across the burners) ? |  |  | X |  |
|---|---|--|--|---|--|

## Abbreviated Accessibility Checklist

### Playgrounds & Swimming Pools



ACCESSIBLE ROUTE TO PLAYGROUND



OVERVIEW OF PLAYGROUND

| Question |   | Yes | No | NA | Comments |
|----------|---|-----|----|----|----------|
| 1        | Is there an accessible route to the play area / s?                      |     | ✗  |    |          |
| 2        | Has the play area been reviewed for accessibility ?                     | ✗   |    |    |          |
| 3        | Are publicly accessible swimming pools equipped with an entrance lift ? |     |    | ✗  |          |

## **Appendix E:** Component Condition Report

---

Component Condition Report | Northaven Elementary

| UF L3 Code | Location            | Condition | Asset/Component/Repair                            | Quantity  | RUL | ID      |
|------------|---------------------|-----------|---|-----------|-----|---------|
| Facade     |                     |           |   |           |     |         |
| B2020      | Building exterior   | Poor      | Window, Aluminum Double-Glazed, 16-25 SF          | 40        | 2   | 7388303 |
| B2020      |                     | Fair      | Window, Aluminum Double-Glazed, 28-40 SF          | 3         | 5   | 7388378 |
| B2050      | Building Exterior   | Fair      | Exterior Door, Steel, Standard                    | 40        | 8   | 7420049 |
| Roofing    |                     |           |   |           |     |         |
| B3010      | Roof                | Fair      | Roofing, Modified Bitumen                         | 70,350 SF | 3   | 7388300 |
| B3010      | Roof                | Fair      | Roofing, Metal                                    | 900 SF    | 4   | 7388314 |
| Interiors  |                     |           |   |           |     |         |
| C1030      | Throughout building | Fair      | Interior Door, Steel, Standard                    | 77        | 20  | 7420061 |
| C1070      | Throughout building | Fair      | Suspended Ceilings, Hard Tile, Replacement w/ ACT | 84,000 SF | 8   | 7420092 |
| C2030      | Kitchen             | Fair      | Flooring, Ceramic Tile                            | 3,200 SF  | 15  | 7420102 |
| C2030      | Utility closet      | Fair      | Flooring, Carpet, Commercial Standard             | 195 SF    | 3   | 7420099 |
| C2030      | Throughout building | Fair      | Flooring, Vinyl Tile (VCT)                        | 84,000 SF | 8   | 7420090 |
| C2030      | Restrooms           | Fair      | Flooring, Ceramic Tile                            | 1,000 SF  | 7   | 7420082 |
| C2050      |                     | Fair      | Ceiling Finishes, Metal                           | 3,200 SF  | 14  | 7420053 |
| C2050      | Restrooms           | Fair      | Ceiling Finishes, any flat surface, Prep & Paint  | 1,000 SF  | 4   | 7420098 |
| C2050      | Kitchen             | Fair      | Ceiling Finishes, any flat surface, Prep & Paint  | 3,200 SF  | 3   | 7420114 |
| Plumbing   |                     |           |   |           |     |         |
| D2010      | Kitchen             | Fair      | Sink/Lavatory, Commercial Kitchen, 3-Bowl         | 1         | 6   | 7420080 |
| D2010      | Utility closet      | Fair      | Water Heater, Electric, Commercial ( 36 kW)       | 1         | 3   | 7388367 |
| D2010      | Throughout building | Fair      | Toilet, Child-Sized                               | 1         | 5   | 7388382 |
| D2010      | Throughout building | Fair      | Sink/Lavatory, Wall-Hung, Vitreous China          | 5         | 5   | 7388332 |
| D2010      | Utility closet      | Good      | Water Heater, Electric, Commercial ( 12 kW)       | 1         | 15  | 7420045 |
| D2010      | Restrooms           | Fair      | Toilet, Child-Sized                               | 26        | 10  | 7420058 |

Component Condition Report | Northaven Elementary

| UF L3 Code | Location            | Condition | Asset/Component/Repair   | Quantity  | RUL | ID      |
|------------|---------------------|-----------|--|-----------|-----|---------|
| D2010      |                     | Fair      | Sink/Lavatory, Drop-In Style, Stainless Steel                          | 1         | 9   | 7388323 |
| D2010      | Throughout building | Poor      | Water Heater, Gas, Commercial (200 MBH)                                | 1         | 2   | 7388361 |
| D2010      | Throughout building | Good      | Drinking Fountain, Wall-Mounted, Single-Level                          | 2         | 10  | 7388340 |
| D2010      | Restrooms           | Fair      | Sink/Lavatory, Vanity Top, Solid Surface or Vitreous China             | 18        | 7   | 7388312 |
| D2010      |                     | Fair      | Plumbing System, Supply & Sanitary, Medium Density (includes fixtures) | 70,350 SF | 10  | 7427232 |
| D2010      | Utility closet      | Good      | Water Heater, Electric, Commercial ( 36 kW)                            | 1         | 15  | 7388379 |
| D2010      | Water Room          | Fair      | Water Heater, Electric, Commercial ( 36 kW), 81 to 130 GAL             | 1         | 3   | 7388353 |
| D2010      | Kitchen             | Fair      | Sink/Lavatory, Service Sink, Wall-Hung                                 | 1         | 15  | 7420068 |
| D2010      | Throughout building | Fair      | Water Heater, Electric, Commercial ( 36 kW)                            | 1         | 3   | 7388321 |
| D2010      | Utility closet      | Fair      | Sink/Lavatory, Service Sink, Laundry                                   | 6         | 8   | 7388311 |
| D2010      | Water Room          | Poor      | Water Heater, Electric, Commercial ( 36 kW), 81 to 130 GAL             | 1         | 2   | 7388385 |
| D2010      | Restrooms           | Fair      | Urinal, Standard   | 12        | 8   | 7388369 |
| HVAC       |                     |           |  |           |     |         |
| D3020      | Utility closet      | Fair      | Boiler Supplemental Components, Expansion Tank                         | 1         | 11  | 7388399 |
| D3020      | Utility closet      | Fair      | Boiler Supplemental Components, Expansion Tank                         | 1         | 11  | 7388342 |
| D3030      | Roof                | Good      | Split System Ductless, Multi Zone, per 1 to 2 TON FCU                  | 1         | 13  | 7388308 |
| D3030      | Throughout building | Fair      | Split System, Fan Coil Unit, DX  | 1         | 5   | 7388310 |
| D3050      | Roof                | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7388302 |
| D3050      | Roof                | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7420054 |
| D3050      | Roof                | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7420104 |
| D3050      | Roof 2              | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7420062 |
| D3050      | Roof                | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7388307 |
| D3050      | Roof                | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7388374 |
| D3050      | Roof                | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                                | 1         | 18  | 7388383 |
| D3050      |                     | Good      | HVAC System, Full System Renovation/Upgrade, High Complexity           | 70,350 SF | 35  | 7427231 |

Component Condition Report | Northaven Elementary

| UF L3 Code | Location | Condition | Asset/Component/Repair                         | Quantity | RUL | ID      |
|------------|----------|-----------|--|----------|-----|---------|
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420110 |
| D3050      | Roof 2   | Good      | Make-Up Air Unit, MUA or MAU, 2000 to 6000 CFM | 1        | 18  | 7388317 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388392 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388377 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388386 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388354 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420089 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388404 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388344 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420105 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420117 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420063 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420051 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420067 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388372 |
| D3050      | Roof 2   | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420108 |
| D3050      | Gym roof | Fair      | Packaged Unit, RTU, Pad or Roof-Mounted, 3 TON | 1        | 3   | 7420077 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420050 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388355 |
| D3050      | Roof 2   | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388348 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420055 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388343 |
| D3050      | Roof 2   | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7420060 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388400 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted        | 1        | 18  | 7388390 |

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| UF L3 Code | Location | Condition | Asset/Component/Repair                  | Quantity | RUL | ID      |
|------------|----------|-----------|---|----------|-----|---------|
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388401 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420085 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388393 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388313 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420074 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388381 |
| D3050      | Gym Roof | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420111 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388403 |
| D3050      | Roof 2   | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388376 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420071 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420115 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420096 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388327 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388320 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420107 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388341 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388309 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388328 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388366 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388333 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7388326 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420065 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420073 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420109 |
| D3050      | Roof     | Good      | Packaged Unit, RTU, Pad or Roof-Mounted | 1        | 18  | 7420095 |

Component Condition Report | Northaven Elementary

| UF L3 Code      | Location       | Condition | Asset/Component/Repair  | Quantity  | RUL | ID      |
|-----------------|----------------|-----------|---|-----------|-----|---------|
| D3050           | Roof           | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7420052 |
| D3050           | Roof           | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7420088 |
| D3050           | Roof           | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7420046 |
| D3050           | Roof           | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7388346 |
| D3050           | Roof           | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7388402 |
| D3050           | Roof           | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7420079 |
| D3050           | Roof 2         | Good      | Packaged Unit, RTU, Pad or Roof-Mounted                         | 1         | 18  | 7420087 |
| D3060           | Roof           | Good      | Exhaust Fan, Roof or Wall-Mounted, 12" Damper                   | 1         | 18  | 7388301 |
| D3060           | Roof           | Good      | Exhaust Fan, Centrifugal, 12" Damper                            | 1         | 23  | 7420047 |
| D3060           | Roof 2         | Good      | Exhaust Fan, Roof or Wall-Mounted, 12" Damper                   | 1         | 18  | 7388338 |
| D3060           | Roof           | Good      | Exhaust Fan, Roof or Wall-Mounted, 24" Damper                   | 1         | 18  | 7388373 |
| D3060           | Roof           | Good      | Exhaust Fan, Centrifugal, 12" Damper                            | 1         | 23  | 7420066 |
| D3060           | Roof 2         | Good      | Exhaust Fan, Centrifugal, 24" Damper                            | 1         | 23  | 7420101 |
| D3060           | Roof           | Good      | Exhaust Fan, Roof or Wall-Mounted, 12" Damper, 501 to 1000 CFM  | 1         | 18  | 7388360 |
| D3060           | Gym Roof       | Good      | Exhaust Fan, Centrifugal, 12" Damper                            | 1         | 23  | 7420081 |
| D3060           | Roof 2         | Fair      | Exhaust Fan, Roof or Wall-Mounted, 24" Damper                   | 1         | 8   | 7388335 |
| D3060           | Roof 2         | Good      | Exhaust Fan, Roof or Wall-Mounted, 36"Damper, 8501 to 15000 CFM | 1         | 18  | 7388315 |
| D3060           | Roof           | Good      | Exhaust Fan, Roof or Wall-Mounted, 12" Damper                   | 1         | 18  | 7388356 |
| D3060           | Roof           | Good      | Exhaust Fan, Centrifugal, 12" Damper                            | 8         | 23  | 7420064 |
| D3060           | Roof 2         | Good      | Exhaust Fan, Centrifugal, 12" Damper                            | 1         | 23  | 7420100 |
| Fire Protection |                |           |   |           |     |         |
| D4010           | Utility closet | Fair      | Supplemental Components, Fire Riser, Dry                        | 1         | 15  | 7388389 |
| D4010           |                | Fair      | Fire Suppression System, Existing Sprinkler Heads, by SF        | 70,058 SF | 10  | 7388329 |
| Electrical      |                |           |   |           |     |         |
| D5010           | Site           | Fair      | Generator, Diesel   | 1         | 3   | 7427120 |

Component Condition Report | Northaven Elementary

| UF L3 Code | Location          | Condition | Asset/Component/Repair   | Quantity  | RUL | ID      |
|------------|-------------------|-----------|--|-----------|-----|---------|
| D5020      | Kitchen           | Fair      | Secondary Transformer, Dry, Stepdown   | 1         | 3   | 7388368 |
| D5020      | Electrical room   | Fair      | Switchboard, 277/480 V   | 1         | 5   | 7388365 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420075 |
| D5020      | Electrical room   | Fair      | Distribution Panel, 277/480 V, 800 AMP                                       | 1         | 5   | 7420078 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 277/480 V  | 1         | 5   | 7388395 |
| D5020      | Electrical room   | Fair      | Switchboard, 277/480 V,  | 1         | 5   | 7388350 |
| D5020      | Electrical Room 2 | Fair      | Secondary Transformer, Dry, Stepdown, 15 KVA                                 | 1         | 9   | 7420084 |
| D5020      | Kitchen           | Fair      | Distribution Panel, 120/240 V  | 1         | 5   | 7388388 |
| D5020      | Electrical Room 2 | Fair      | Switchboard, 277/480 V   | 1         | 15  | 7388370 |
| D5020      | Electrical room   | Fair      | Secondary Transformer, Dry, Stepdown   | 1         | 3   | 7388339 |
| D5020      | Electrical Room 2 | Fair      | Secondary Transformer, Dry, Stepdown   | 1         | 5   | 7388359 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420118 |
| D5020      | Electrical room   | Fair      | Switchboard, 277/480 V   | 1         | 3   | 7388405 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420106 |
| D5020      | Kitchen           | Fair      | Distribution Panel, 120/208 V  | 1         | 3   | 7388394 |
| D5020      | Electrical room   | Fair      | Distribution Panel, 120/240 V, 100 AMP                                       | 1         | 5   | 7420113 |
| D5020      |                   | Good      | Electrical System, Full System Renovation/Upgrade, Medium Density/Complexity | 70,350 SF | 38  | 7427230 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420083 |
| D5020      | Electrical room   | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420057 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420048 |
| D5020      | Kitchen           | Fair      | Secondary Transformer, Dry, Stepdown   | 1         | 5   | 7388325 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420070 |
| D5020      | Electrical Room 2 | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 1         | 5   | 7420069 |
| D5020      | Kitchen           | Fair      | Distribution Panel, 120/208 V, 200 AMP                                       | 3         | 3   | 7388387 |
| D5040      |                   | Fair      | Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures   | 70,350 SF | 3   | 7427234 |

Component Condition Report | Northaven Elementary

| UF L3 Code                      | Location        | Condition | Asset/Component/Repair  | Quantity  | RUL | ID      |
|---------------------------------|-----------------|-----------|---|-----------|-----|---------|
| Fire Alarm & Electronic Systems |                 |           |   |           |     |         |
| D7050                           | Throughout      | Fair      | Fire Alarm System, Full System Upgrade, Standard Addressable, Install | 70,350 SF | 5   | 7427233 |
| D7050                           | Main Office     | Fair      | Fire Alarm Panel, Fully Addressable                                   | 1         | 5   | 7388319 |
| Equipment & Furnishings         |                 |           |   |           |     |         |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Steamer, Freestanding                          | 1         | 2   | 7420119 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Refrigerator, 1-Door Reach-In                  | 1         | 6   | 7420056 |
| E1030                           | Teachers lounge | Fair      | Foodservice Equipment, Refrigerator, 1-Door Reach-In                  | 1         | 3   | 7420086 |
| E1030                           | Kitchen         | Good      | Foodservice Equipment, Tilting Skillet                                | 1         | 15  | 7388305 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Refrigerator, 1-Door Reach-In                  | 1         | 9   | 7388380 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Mixer, Tabletop                                | 1         | 8   | 7388375 |
| E1030                           | Teachers lounge | Good      | Foodservice Equipment, Refrigerator, 1-Door Reach-In                  | 2         | 15  | 7420072 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Range, 2-Burner                                | 1         | 8   | 7388347 |
| E1030                           | Kitchen         | Fair      | Commercial Kitchen, Service Line                                      | 1 LS      | 3   | 7388357 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Dairy Cooler/Wells                             | 1         | 6   | 7388363 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Refrigerator, 1-Door Reach-In                  | 1         | 3   | 7388358 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels        | 1         | 7   | 7420097 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Tilting Skillet                                | 1         | 3   | 7420112 |
| E1030                           | Kitchen         | Good      | Foodservice Equipment, Walk-In, Evaporator for Refigerator/Freezer    | 2         | 10  | 7388334 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Walk-In, Evaporator for Refigerator/Freezer    | 1         | 4   | 7420116 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer     | 2         | 4   | 7388316 |
| E1030                           | Kitchen         | Good      | Foodservice Equipment, Icemaker, Freestanding                         | 1         | 11  | 7420094 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Dishwasher Commercial                          | 1         | 6   | 7420044 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels        | 1         | 3   | 7388371 |
| E1030                           | Kitchen         | Fair      | Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer     | 2         | 4   | 7388304 |
| E1030                           | Kitchen         | Good      | Foodservice Equipment, Walk-In, Evaporator for Refigerator/Freezer    | 1         | 15  | 7420091 |

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| UF L3 Code                               | Location            | Condition | Asset/Component/Repair  | Quantity  | RUL | ID      |
|--|---------------------|-----------|---|-----------|-----|---------|
| E1030                                    | Kitchen             | Good      | Foodservice Equipment, Convection Oven, Double                                      | 1         | 8   | 7388322 |
| E1040                                    | Classrooms          | Fair      | Laboratory Equipment, Lab Sink, Epoxy Resin   | 11        | 14  | 7388349 |
| E1060                                    | Kitchen             | Fair      | Residential Appliances, Washer/Dryer Combo Unit                                     | 1         | 8   | 7420093 |
| E2010                                    | Throughout building | Fair      | Casework, Countertop, Plastic Laminate  | 100 LF    | 6   | 7388337 |
| E2010                                    | Throughout building | Fair      | Casework, Cabinetry Economy   | 100 LF    | 11  | 7388351 |
| E2010                                    | Gymnasium           | Good      | Bleachers, Telescoping Manual, up to 15 Tier (per Seat)                             | 192       | 14  | 7388336 |
| Pedestrian Plazas & Walkways             |                     |           |   |           |     |         |
| G2020                                    | Site                | Fair      | Parking Lots, Pavement, Asphalt, Mill & Overlay                                     | 32,000 SF | 5   | 7388331 |
| Athletic, Recreational & Playfield Areas |                     |           |   |           |     |         |
| G2050                                    | Site                | Failed    | Play Structure, Multipurpose, Medium  | 1         | 0   | 7388318 |
| Sitework                                 |                     |           |   |           |     |         |
| G4050                                    | Site                | Fair      | Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install | 16        | 5   | 7388391 |

## Appendix F:

### Replacement Reserves

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Replacement Reserves Report


Northaven Elementary

4/3/2024



| 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 |
|----------------------|----------|------|----------|-------------|----------|-----------|----------|----------|-----------|----------|-------------|----------|----------|----------|-----------|-----------|----------|------|-------------|----------|-----------|--------------------------|
| Northaven Elementary | \$20,000 | \$0  | \$88,691 | \$1,462,328 | \$35,791 | \$712,490 | \$42,150 | \$48,580 | \$995,783 | \$12,917 | \$1,565,948 | \$39,534 | \$14,970 | \$15,673 | \$276,123 | \$278,642 | \$34,501 | \$0  | \$1,113,527 | \$52,254 | \$150,449 | \$6,960,353              |
| Grand Total          | \$20,000 | \$0  | \$88,691 | \$1,462,328 | \$35,791 | \$712,490 | \$42,150 | \$48,580 | \$995,783 | \$12,917 | \$1,565,948 | \$39,534 | \$14,970 | \$15,673 | \$276,123 | \$278,642 | \$34,501 | \$0  | \$1,113,527 | \$52,254 | \$150,449 | \$6,960,353              |

| Uniformat Code | Location             | Description | ID  | Cost Description | Lifespan (EUL) | EAge | RUL | Quantity | Unit | Unit Cost   | * Subtotal  | 2024 | 2025 | 2026     | 2027      | 2028    | 2029    | 2030    | 2031     | 2032      | 2033    | 2034        | 2035     | 2036 | 2037    | 2038     | 2039     | 2040 | 2041 | 2042 | 2043 | 2044     | Deficiency Repair Estimate |           |             |          |
|----------------|----------------------|-------------|---|------------------|----------------|------|-----|----------|------|-------------|-------------|------|------|----------|-----------|---------|---------|---------|----------|-----------|---------|-------------|----------|------|---------|----------|----------|------|------|------|------|----------|----------------------------|-----------|-------------|----------|
| B2020          | Building exterior    | 7388303     | Window, Aluminum Double-Glazed, 16-25 SF, Replace                               |                  | 30             | 28   | 2   | 40       | EA   | \$950.00    | \$38,000    |      |      | \$38,000 |           |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          | \$38,000                   |           |             |          |
| B2020          | Northaven Elementary | 7388378     | Window, Aluminum Double-Glazed, 28-40 SF, Replace                               |                  | 30             | 25   | 5   | 3        | EA   | \$1,250.00  | \$3,750     |      |      |          |           |         | \$3,750 |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          | \$3,750                    |           |             |          |
| B2050          | Building Exterior    | 7420049     | Exterior Door, Steel, Standard, Replace   |                  | 40             | 32   | 8   | 40       | EA   | \$600.00    | \$24,000    |      |      |          |           |         |         |         |          | \$24,000  |         |             |          |      |         |          |          |      |      |      |      |          | \$24,000                   |           |             |          |
| B3010          | Roof                 | 7388314     | Roofing, Metal, Replace   |                  | 40             | 36   | * 4 | 900      | SF   | \$13.00     | \$11,700    |      |      |          |           |         |         |         |          | \$11,700  |         |             |          |      |         |          |          |      |      |      |      |          | \$11,700                   |           |             |          |
| B3010          | Roof                 | 7388300     | Roofing, Modified Bitumen, Replace  |                  | 20             | 17   | 3   | 70350    | SF   | \$10.00     | \$703,500   |      |      |          | \$703,500 |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            | \$703,500 |             |          |
| C1030          | Throughout building  | 7420061     | Interior Door, Steel, Standard, Replace   |                  | 40             | 20   | 20  | 77       | EA   | \$600.00    | \$46,200    |      |      |          |           |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      | \$46,200 | \$46,200                   |           |             |          |
| C1070          | Throughout building  | 7420092     | Suspended Ceilings, Hard Tile, Replacement w/ ACT, Replace                      |                  | 25             | 17   | 8   | 84000    | SF   | \$3.50      | \$294,000   |      |      |          |           |         |         |         |          | \$294,000 |         |             |          |      |         |          |          |      |      |      |      |          |                            | \$294,000 |             |          |
| C2030          | Restrooms            | 7420082     | Flooring, Ceramic Tile, Replace   |                  | 40             | 33   | 7   | 1000     | SF   | \$18.00     | \$18,000    |      |      |          |           |         |         |         | \$18,000 |           |         |             |          |      |         |          |          |      |      |      |      |          |                            | \$18,000  |             |          |
| C2030          | Kitchen              | 7420102     | Flooring, Ceramic Tile, Replace   |                  | 40             | 25   | 15  | 3200     | SF   | \$18.00     | \$57,600    |      |      |          |           |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            | \$57,600  |             |          |
| C2030          | Throughout building  | 7420090     | Flooring, Vinyl Tile (VCT), Replace   |                  | 15             | 7    | 8   | 84000    | SF   | \$5.00      | \$420,000   |      |      |          |           |         |         |         |          | \$420,000 |         |             |          |      |         |          |          |      |      |      |      |          |                            |           | \$420,000   |          |
| C2030          | Utility closet       | 7420099     | Flooring, Carpet, Commercial Standard, Replace                                  |                  | 10             | 7    | 3   | 195      | SF   | \$7.50      | \$1,463     |      |      |          | \$1,463   |         |         |         |          |           |         |             |          |      | \$1,463 |          |          |      |      |      |      |          |                            |           | \$1,463     |          |
| C2050          | Northaven Elementary | 7420053     | Ceiling Finishes, Metal, Replace  |                  | 50             | 36   | 14  | 3200     | SF   | \$30.00     | \$96,000    |      |      |          |           |         |         |         |          |           |         |             |          |      |         | \$96,000 |          |      |      |      |      |          |                            |           | \$96,000    |          |
| C2050          | Kitchen              | 7420114     | Ceiling Finishes, any flat surface, Prep & Paint                                |                  | 10             | 7    | 3   | 3200     | SF   | \$2.00      | \$6,400     |      |      |          | \$6,400   |         |         |         |          |           |         |             |          |      | \$6,400 |          |          |      |      |      |      |          |                            |           | \$6,400     |          |
| C2050          | Restrooms            | 7420098     | Ceiling Finishes, any flat surface, Prep & Paint                                |                  | 10             | 6    | 4   | 1000     | SF   | \$2.00      | \$2,000     |      |      |          |           | \$2,000 |         |         |          |           |         |             |          |      |         |          | \$2,000  |      |      |      |      |          |                            |           |             | \$2,000  |
| D2010          | Throughout building  | 7388361     | Water Heater, Gas, Commercial (200 MBH), Replace                                |                  | 20             | 18   | 2   | 1        | EA   | \$16,600.00 | \$16,600    |      |      | \$16,600 |           |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           | \$16,600    |          |
| D2010          | Water Room           | 7388385     | Water Heater, Electric, Commercial ( 36 kW), 81 to 130 GAL, Replace             |                  | 20             | 18   | 2   | 1        | EA   | \$18,500.00 | \$18,500    |      |      | \$18,500 |           |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           | \$18,500    |          |
| D2010          | Utility closet       | 7388367     | Water Heater, Electric, Commercial ( 36 kW), Replace                            |                  | 20             | 17   | 3   | 1        | EA   | \$18,500.00 | \$18,500    |      |      |          | \$18,500  |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           | \$18,500    |          |
| D2010          | Throughout building  | 7388321     | Water Heater, Electric, Commercial ( 36 kW), Replace                            |                  | 20             | 17   | 3   | 1        | EA   | \$18,500.00 | \$18,500    |      |      |          | \$18,500  |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           | \$18,500    |          |
| D2010          | Water Room           | 7388353     | Water Heater, Electric, Commercial ( 36 kW), 81 to 130 GAL, Replace             |                  | 20             | 17   | 3   | 1        | EA   | \$18,500.00 | \$18,500    |      |      |          | \$18,500  |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           | \$18,500    |          |
| D2010          | Utility closet       | 7388379     | Water Heater, Electric, Commercial ( 36 kW), Replace                            |                  | 20             | 5    | 15  | 1        | EA   | \$18,500.00 | \$18,500    |      |      |          |           |         |         |         |          |           |         |             |          |      |         |          | \$18,500 |      |      |      |      |          |                            |           |             | \$18,500 |
| D2010          | Utility closet       | 7420045     | Water Heater, Electric, Commercial ( 12 kW), Replace                            |                  | 20             | 5    | 15  | 1        | EA   | \$12,400.00 | \$12,400    |      |      |          |           |         |         |         |          |           |         |             |          |      |         |          | \$12,400 |      |      |      |      |          |                            |           |             | \$12,400 |
| D2010          | Northaven Elementary | 7427232     | Plumbing System, Supply & Sanitary, Medium Density (includes fixtures), Replace |                  | 40             | 30   | 10  | 70350    | SF   | \$15.00     | \$1,055,250 |      |      |          |           |         |         |         |          |           |         | \$1,055,250 |          |      |         |          |          |      |      |      |      |          |                            |           | \$1,055,250 |          |
| D2010          | Throughout building  | 7388382     | Toilet, Child-Sized, Replace  |                  | 30             | 25   | 5   | 1        | EA   | \$900.00    | \$900       |      |      |          |           |         | \$900   |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$900    |
| D2010          | Throughout building  | 7388332     | Sink/Lavatory, Wall-Hung, Vitreous China, Replace                               |                  | 30             | 25   | 5   | 5        | EA   | \$1,500.00  | \$7,500     |      |      |          |           |         | \$7,500 |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$7,500  |
| D2010          | Kitchen              | 7420080     | Sink/Lavatory, Commercial Kitchen, 3-Bowl, Replace                              |                  | 30             | 24   | 6   | 1        | EA   | \$2,500.00  | \$2,500     |      |      |          |           |         |         | \$2,500 |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$2,500  |
| D2010          | Restrooms            | 7388312     | Sink/Lavatory, Vanity Top, Solid Surface or Vitreous China, Replace             |                  | 30             | 23   | 7   | 18       | EA   | \$1,100.00  | \$19,800    |      |      |          |           |         |         |         | \$19,800 |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$19,800 |
| D2010          | Restrooms            | 7388369     | Urinal, Standard, Replace   |                  | 30             | 22   | 8   | 12       | EA   | \$1,100.00  | \$13,200    |      |      |          |           |         |         |         |          | \$13,200  |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$13,200 |
| D2010          | Utility closet       | 7388311     | Sink/Lavatory, Service Sink, Laundry, Replace                                   |                  | 30             | 22   | 8   | 6        | EA   | \$900.00    | \$5,400     |      |      |          |           |         |         |         |          | \$5,400   |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$5,400  |
| D2010          | Northaven Elementary | 7388323     | Sink/Lavatory, Drop-In Style, Stainless Steel, Replace                          |                  | 30             | 21   | 9   | 1        | EA   | \$1,200.00  | \$1,200     |      |      |          |           |         |         |         |          |           | \$1,200 |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$1,200  |
| D2010          | Throughout building  | 7388340     | Drinking Fountain, Wall-Mounted, Single-Level, Replace                          |                  | 15             | 5    | 10  | 2        | EA   | \$1,200.00  | \$2,400     |      |      |          |           |         |         |         |          |           |         | \$2,400     |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$2,400  |
| D2010          | Restrooms            | 7420058     | Toilet, Child-Sized, Replace  |                  | 30             | 20   | 10  | 26       | EA   | \$900.00    | \$23,400    |      |      |          |           |         |         |         |          |           |         |             | \$23,400 |      |         |          |          |      |      |      |      |          |                            |           |             | \$23,400 |
| D2010          | Kitchen              | 7420068     | Sink/Lavatory, Service Sink, Wall-Hung, Replace                                 |                  | 35             | 20   | 15  | 1        | EA   | \$1,400.00  | \$1,400     |      |      |          |           |         |         |         |          |           |         |             |          |      |         |          | \$1,400  |      |      |      |      |          |                            |           |             | \$1,400  |
| D3020          | Utility closet       | 7388399     | Boiler Supplemental Components, Expansion Tank, Replace                         |                  | 40             | 29   | 11  | 1        | EA   | \$2,180.00  | \$2,180     |      |      |          |           |         |         |         |          |           |         |             | \$2,180  |      |         |          |          |      |      |      |      |          |                            |           |             | \$2,180  |
| D3020          | Utility closet       | 7388342     | Boiler Supplemental Components, Expansion Tank, Replace                         |                  | 40             | 29   | 11  | 1        | EA   | \$2,180.00  | \$2,180     |      |      |          |           |         |         |         |          |           |         |             | \$2,180  |      |         |          |          |      |      |      |      |          |                            |           |             | \$2,180  |
| D3030          | Throughout building  | 7388310     | Split System, Fan Coil Unit, DX, Replace  |                  | 15             | 10   | 5   | 1        | EA   | \$2,100.00  | \$2,100     |      |      |          |           |         | \$2,100 |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             | \$2,100  |
| D3030          | Roof                 | 7388308     | Split System Ductless, Multi Zone, per 1 to 2 TON FCU, Replace                  |                  | 15             | 2    | 13  | 1        | EA   | \$2,810.00  | \$2,810     |      |      |          |           |         |         |         |          |           |         |             |          |      | \$2,810 |          |          |      |      |      |      |          |                            |           |             | \$2,810  |
| D3050          | Gym roof             | 7420077     | Packaged Unit, RTU, Pad or Roof-Mounted, ount                                   |                  |                |      |     |          |      |             |             |      |      |          |           |         |         |         |          |           |         |             |          |      |         |          |          |      |      |      |      |          |                            |           |             |          |

| Replacement Reserves Report |          |                |   |                |      |     |          |      |             |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |      |                            |
|-----------------------------|----------|----------------|---|----------------|------|-----|----------|------|-------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|------|----------------------------|
| Northaven Elementary        |          |                |   |                |      |     |          |      |             |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |      |                            |
| 4/3/2024                    |          |                |   |                |      |     |          |      |             |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |      |                            |
| Uniformat Code              | Location | Description ID | Cost Description  | Lifespan (EUL) | EAge | RUL | Quantity | Unit | Unit Cost   | * Subtotal | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042     | 2043   | 2044 | Deficiency Repair Estimate |
| D3050                       | Roof     | 7388392        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388403        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388326        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388374        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388390        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388404        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388386        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388377        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388313        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388393        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388341        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388400        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388366        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388309        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388302        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$9,000.00  | \$9,000    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$9,000  |  |      | \$9,000                    |
| D3050                       | Roof     | 7388307        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$11,000.00 | \$11,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$11,000 |  |      | \$11,000                   |
| D3050                       | Roof     | 7388346        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388328        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$11,000.00 | \$11,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$11,000 |  |      | \$11,000                   |
| D3050                       | Roof     | 7388320        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$5,500.00  | \$5,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$5,500  |  |      | \$5,500                    |
| D3050                       | Roof     | 7388327        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$5,500.00  | \$5,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$5,500  |  |      | \$5,500                    |
| D3050                       | Roof     | 7388401        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$11,000.00 | \$11,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$11,000 |  |      | \$11,000                   |
| D3050                       | Roof     | 7388383        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7388355        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$20,000.00 | \$20,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$20,000 |  |      | \$20,000                   |
| D3050                       | Roof     | 7388402        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$11,000.00 | \$11,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$11,000 |  |      | \$11,000                   |
| D3050                       | Roof 2   | 7388348        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$20,000.00 | \$20,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$20,000 |  |      | \$20,000                   |
| D3050                       | Roof 2   | 7388376        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$20,000.00 | \$20,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$20,000 |  |      | \$20,000                   |
| D3050                       | Roof     | 7420054        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$5,500.00  | \$5,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$5,500  |  |      | \$5,500                    |
| D3050                       | Roof     | 7420104        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof 2   | 7420062        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$11,000.00 | \$11,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$11,000 |  |      | \$11,000                   |
| D3050                       | Roof     | 7420110        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof 2   | 7388317        | Make-Up Air Unit, MUA or MAU, 2000 to 6000 CFM, Replace | 20             | 2    | 18  | 1        | EA   | \$35,000.00 | \$35,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$35,000 |  |      | \$35,000                   |
| D3050                       | Roof     | 7420089        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7420105        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$9,000.00  | \$9,000    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$9,000  |  |      | \$9,000                    |
| D3050                       | Roof     | 7420117        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$9,000.00  | \$9,000    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$9,000  |  |      | \$9,000                    |
| D3050                       | Roof     | 7420067        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof 2   | 7420108        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$20,000.00 | \$20,000   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$20,000 |  |      | \$20,000                   |
| D3050                       | Roof     | 7420063        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7420051        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | \$7,500  |  |      | \$7,500                    |
| D3050                       | Roof     | 7420050        | Packaged Unit, RTU, Pad or Roof-Mounted, Replace        | 20             | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |      |                            |


## Replacement Reserves Report

Northaven Elementary

4/3/2024



| Uniformat Code | Location Description | ID      | Cost Description  | Lifespan | EAge | RUL | Quantity | Unit | Unit Cost * | Subtotal  | 2024 | 2025 | 2026 | 2027 | 2028      | 2029 | 2030      | 2031 | 2032 | 2033    | 2034     | 2035 | 2036 | 2037 | 2038 | 2039     | 2040 | 2041 | 2042 | 2043 | 2044 | Deficiency      |  |           |          |
|----------------|----------------------|---------|---|----------|------|-----|----------|------|-------------|-----------|------|------|------|------|-----------|------|-----------|------|------|---------|----------|------|------|------|------|----------|------|------|------|------|------|-----------------|--|-----------|----------|
|                |                      |         |   | (EUL)    |      |     |          |      |             |           |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | Repair Estimate |  |           |          |
| D3050          | Roof                 | 7420065 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$9,000.00  | \$9,000   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$9,000         |  |           | \$9,000  |
| D3050          | Roof                 | 7420073 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$7,500         |  |           | \$7,500  |
| D3050          | Roof                 | 7420109 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$5,500.00  | \$5,500   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$5,500         |  |           | \$5,500  |
| D3050          | Roof                 | 7420095 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$7,500         |  |           | \$7,500  |
| D3050          | Roof                 | 7420052 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$5,500.00  | \$5,500   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$5,500         |  |           | \$5,500  |
| D3050          | Roof                 | 7420088 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$7,500         |  |           | \$7,500  |
| D3050          | Roof                 | 7420046 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$9,000.00  | \$9,000   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$9,000         |  |           | \$9,000  |
| D3050          | Roof                 | 7420079 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$7,500.00  | \$7,500   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$7,500         |  |           | \$7,500  |
| D3050          | Roof 2               | 7420087 | Packaged Unit, RTU, Pad or Roof-Mounted, Replace                                    | 20       | 2    | 18  | 1        | EA   | \$15,000.00 | \$15,000  |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$15,000        |  |           | \$15,000 |
| D3060          | Roof 2               | 7388335 | Exhaust Fan, Roof or Wall-Mounted, 24" Damper, Replace                              | 20       | 12   | 8   | 1        | EA   | \$3,000.00  | \$3,000   |      |      |      |      |           |      |           |      |      | \$3,000 |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$3,000   |          |
| D3060          | Roof                 | 7388356 | Exhaust Fan, Roof or Wall-Mounted, 12" Damper, Replace                              | 20       | 2    | 18  | 1        | EA   | \$1,400.00  | \$1,400   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$1,400         |  |           | \$1,400  |
| D3060          | Roof 2               | 7388338 | Exhaust Fan, Roof or Wall-Mounted, 12" Damper, Replace                              | 20       | 2    | 18  | 1        | EA   | \$1,400.00  | \$1,400   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$1,400         |  |           | \$1,400  |
| D3060          | Roof                 | 7388301 | Exhaust Fan, Roof or Wall-Mounted, 12" Damper, Replace                              | 20       | 2    | 18  | 1        | EA   | \$1,400.00  | \$1,400   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$1,400         |  |           | \$1,400  |
| D3060          | Roof                 | 7388373 | Exhaust Fan, Roof or Wall-Mounted, 24" Damper, Replace                              | 20       | 2    | 18  | 1        | EA   | \$3,000.00  | \$3,000   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$3,000         |  |           | \$3,000  |
| D3060          | Roof                 | 7388360 | Exhaust Fan, Roof or Wall-Mounted, 12" Damper, 501 to 1000 CFM, Replace             | 20       | 2    | 18  | 1        | EA   | \$1,400.00  | \$1,400   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$1,400         |  |           | \$1,400  |
| D3060          | Roof 2               | 7388315 | Exhaust Fan, Roof or Wall-Mounted, 36"Damper, 8501 to 15000 CFM, Replace            | 20       | 2    | 18  | 1        | EA   | \$5,600.00  | \$5,600   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$5,600         |  |           | \$5,600  |
| D4010          | Northaven Elementary | 7388329 | Fire Suppression System, Existing Sprinkler Heads, by SF, Replace                   | 25       | 15   | 10  | 70058    | SF   | \$1.07      | \$74,962  |      |      |      |      |           |      |           |      |      |         | \$74,962 |      |      |      |      |          |      |      |      |      |      |                 |  | \$74,962  |          |
| D4010          | Utility closet       | 7388389 | Supplemental Components, Fire Riser, Dry, Replace                                   | 40       | 25   | 15  | 1        | EA   | \$7,000.00  | \$7,000   |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      | \$7,000  |      |      |      |      |      |                 |  | \$7,000   |          |
| D5010          | Site                 | 7427120 | Generator, Diesel, Replace  | 25       | 22   | 3   | 1        | EA   | \$86,000.00 | \$86,000  |      |      |      |      | \$86,000  |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$86,000  |          |
| D5020          | Electrical room      | 7388405 | Switchboard, 277/480 V, Replace   | 40       | 37   | 3   | 1        | EA   | \$75,000.00 | \$75,000  |      |      |      |      | \$75,000  |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$75,000  |          |
| D5020          | Kitchen              | 7388368 | Secondary Transformer, Dry, Stepdown, Replace                                       | 30       | 27   | 3   | 1        | EA   | \$10,000.00 | \$10,000  |      |      |      |      | \$10,000  |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$10,000  |          |
| D5020          | Electrical room      | 7388339 | Secondary Transformer, Dry, Stepdown, Replace                                       | 30       | 27   | 3   | 1        | EA   | \$6,700.00  | \$6,700   |      |      |      |      | \$6,700   |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$6,700   |          |
| D5020          | Electrical room      | 7388365 | Switchboard, 277/480 V, Replace   | 40       | 35   | 5   | 1        | EA   | \$75,000.00 | \$75,000  |      |      |      |      |           |      | \$75,000  |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$75,000  |          |
| D5020          | Kitchen              | 7388325 | Secondary Transformer, Dry, Stepdown, Replace                                       | 30       | 25   | 5   | 1        | EA   | \$6,700.00  | \$6,700   |      |      |      |      |           |      | \$6,700   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$6,700   |          |
| D5020          | Electrical Room 2    | 7388359 | Secondary Transformer, Dry, Stepdown, Replace                                       | 30       | 25   | 5   | 1        | EA   | \$25,000.00 | \$25,000  |      |      |      |      |           |      | \$25,000  |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$25,000  |          |
| D5020          | Electrical room      | 7388350 | Switchboard, 277/480 V , Replace  | 40       | 35   | 5   | 1        | EA   | \$52,000.00 | \$52,000  |      |      |      |      |           |      | \$52,000  |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$52,000  |          |
| D5020          | Electrical Room 2    | 7420084 | Secondary Transformer, Dry, Stepdown, 15 KVA, Replace                               | 30       | 21   | 9   | 1        | EA   | \$6,000.00  | \$6,000   |      |      |      |      |           |      |           |      |      | \$6,000 |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$6,000   |          |
| D5020          | Electrical Room 2    | 7388370 | Switchboard, 277/480 V, Replace   | 40       | 25   | 15  | 1        | EA   | \$45,000.00 | \$45,000  |      |      |      |      |           |      |           |      |      |         |          |      |      |      |      | \$45,000 |      |      |      |      |      |                 |  | \$45,000  |          |
| D5020          | Kitchen              | 7388394 | Distribution Panel, 120/208 V, Replace  | 30       | 27   | 3   | 1        | EA   | \$7,000.00  | \$7,000   |      |      |      |      | \$7,000   |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$7,000   |          |
| D5020          | Kitchen              | 7388387 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 27   | 3   | 3        | EA   | \$2,000.00  | \$6,000   |      |      |      |      | \$6,000   |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$6,000   |          |
| D5020          | Kitchen              | 7388388 | Distribution Panel, 120/240 V, Replace  | 30       | 25   | 5   | 1        | EA   | \$5,500.00  | \$5,500   |      |      |      |      |           |      | \$5,500   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$5,500   |          |
| D5020          | Electrical Room 2    | 7388395 | Distribution Panel, 277/480 V, Replace  | 30       | 25   | 5   | 1        | EA   | \$7,000.00  | \$7,000   |      |      |      |      |           |      | \$7,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$7,000   |          |
| D5020          | Electrical Room 2    | 7420070 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical Room 2    | 7420048 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical room      | 7420057 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical Room 2    | 7420083 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical Room 2    | 7420069 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical room      | 7420113 | Distribution Panel, 120/240 V, 100 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$1,100.00  | \$1,100   |      |      |      |      |           |      | \$1,100   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$1,100   |          |
| D5020          | Electrical Room 2    | 7420106 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical Room 2    | 7420118 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical Room 2    | 7420075 | Distribution Panel, 120/208 V, 200 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$2,000.00  | \$2,000   |      |      |      |      |           |      | \$2,000   |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$2,000   |          |
| D5020          | Electrical room      | 7420078 | Distribution Panel, 277/480 V, 800 AMP, Replace                                     | 30       | 25   | 5   | 1        | EA   | \$10,000.00 | \$10,000  |      |      |      |      |           |      | \$10,000  |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$10,000  |          |
| D5040          | Northaven Elementary | 7427234 | Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures, Replace | 20       | 17   | 3   | 70350    | SF   | \$4.50      | \$316,575 |      |      |      |      | \$316,575 |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$316,575 |          |
| D7050          | Main Office          | 7388319 | Fire Alarm Panel, Fully Addressable, Replace  | 15       | 10   | 5   | 1        | EA   | \$15,000.00 | \$15,000  |      |      |      |      |           |      | \$15,000  |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$15,000        |  | \$30,000  |          |
| D7050          | Throughout           | 7427233 | Fire Alarm System, Full System Upgrade, Standard Addressable, Install               | 20       | 15   | 5   | 70350    | SF   | \$3.00      | \$211,050 |      |      |      |      |           |      | \$211,050 |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$211,050 |          |
| E1030          | Kitchen              | 7420119 | Foodservice Equipment, Steamer, Freestanding, Replace                               | 10       | 8    | 2   | 1        | EA   | \$10,500.00 | \$10,500  |      |      |      |      | \$10,500  |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      |                 |  | \$21,000  |          |
| E1030          | Kitchen              | 7388358 | Foodservice Equipment, Refrigerator, 1-Door Reach-In, Replace                       | 15       | 12   | 3   | 1        | EA   | \$2,700.00  | \$2,700   |      |      |      |      | \$2,700   |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$2,700         |  | \$5,400   |          |
| E1030          | Kitchen              | 7388371 | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace             | 15       | 12   | 3   | 1        | EA   | \$1,700.00  | \$1,700   |      |      |      |      | \$1,700   |      |           |      |      |         |          |      |      |      |      |          |      |      |      |      |      | \$1,700         |  | \$3,400   |          |

| Replacement Reserves Report                             |                     |                |   |                |      |     |          |      |             |            |          |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            |           |
|---|---------------------|----------------|---|----------------|------|-----|----------|------|-------------|------------|----------|------|----------|-------------|-----------|-----------|----------|----------|-----------|----------|-------------|----------|----------|----------|-----------|-----------|----------|----------|-------------|--|-----------|----------------------------|-----------|
| Northaven Elementary                                    |                     |                |   |                |      |     |          |      |             |            |          |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            |           |
| 4/3/2024  |                     |                |   |                |      |     |          |      |             |            |          |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            |           |
| Uniformat Code  | Location            | Description ID | Cost Description  | Lifespan (EUL) | EAge | RUL | Quantity | Unit | Unit Cost   | * Subtotal | 2024     | 2025 | 2026     | 2027        | 2028      | 2029      | 2030     | 2031     | 2032      | 2033     | 2034        | 2035     | 2036     | 2037     | 2038      | 2039      | 2040     | 2041     | 2042        | 2043   | 2044      | Deficiency Repair Estimate |           |
| E1030   | Kitchen             | 7420112        | Foodservice Equipment, Tilting Skillet, Replace                                     | 20             | 17   | 3   | 1        | EA   | \$24,500.00 | \$24,500   |          |      |          | \$24,500    |           |           |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           | \$24,500                   |           |
| E1030   | Teachers lounge     | 7420086        | Foodservice Equipment, Refrigerator, 1-Door Reach-In, Replace                       | 15             | 12   | 3   | 1        | EA   | \$2,700.00  | \$2,700    |          |      |          | \$2,700     |           |           |          |          |           |          |             |          |          |          |           |           |          | \$2,700  |             |  |           | \$5,400                    |           |
| E1030   | Kitchen             | 7388357        | Commercial Kitchen, Service Line, Replace   | 15             | 12   | 3   | 1        | LS   | \$25,000.00 | \$25,000   |          |      |          | \$25,000    |           |           |          |          |           |          |             |          |          |          |           |           |          | \$25,000 |             |  |           | \$50,000                   |           |
| E1030   | Kitchen             | 7388316        | Foodservice Equipment, Walk-In, Condenser for Refrigerator/Freezer, Replace         | 15             | 11   | 4   | 2        | EA   | \$6,300.00  | \$12,600   |          |      |          |             | \$12,600  |           |          |          |           |          |             |          |          |          |           |           |          |          |             | \$12,600   |           |                            | \$25,200  |
| E1030   | Kitchen             | 7420116        | Foodservice Equipment, Walk-In, Evaporator for Refrigerator/Freezer, Replace        | 15             | 11   | 4   | 1        | EA   | \$4,600.00  | \$4,600    |          |      |          |             | \$4,600   |           |          |          |           |          |             |          |          |          |           |           |          |          |             | \$4,600  |           |                            | \$9,200   |
| E1030   | Kitchen             | 7388304        | Foodservice Equipment, Walk-In, Condenser for Refrigerator/Freezer, Replace         | 15             | 11   | 4   | 2        | EA   | \$6,300.00  | \$12,600   |          |      |          |             | \$12,600  |           |          |          |           |          |             |          |          |          |           |           |          |          |             | \$12,600   |           |                            | \$25,200  |
| E1030   | Kitchen             | 7388363        | Foodservice Equipment, Dairy Cooler/Wells, Replace                                  | 15             | 9    | 6   | 1        | EA   | \$3,600.00  | \$3,600    |          |      |          |             |           |           | \$3,600  |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$3,600   |
| E1030   | Kitchen             | 7420044        | Foodservice Equipment, Dishwasher Commercial, Replace                               | 10             | 4    | 6   | 1        | EA   | \$21,500.00 | \$21,500   |          |      |          |             |           |           | \$21,500 |          |           |          |             |          |          |          |           |           | \$21,500 |          |             |  |           |                            | \$43,000  |
| E1030   | Kitchen             | 7420056        | Foodservice Equipment, Refrigerator, 1-Door Reach-In, Replace                       | 15             | 9    | 6   | 1        | EA   | \$2,700.00  | \$2,700    |          |      |          |             |           |           | \$2,700  |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$2,700   |
| E1030   | Kitchen             | 7420097        | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace             | 15             | 8    | 7   | 1        | EA   | \$1,700.00  | \$1,700    |          |      |          |             |           |           |          | \$1,700  |           |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$1,700   |
| E1030   | Kitchen             | 7388347        | Foodservice Equipment, Range, 2-Burner, Replace                                     | 15             | 7    | 8   | 1        | EA   | \$1,700.00  | \$1,700    |          |      |          |             |           |           |          |          | \$1,700   |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$1,700   |
| E1030   | Kitchen             | 7388322        | Foodservice Equipment, Convection Oven, Double, Replace                             | 10             | 2    | 8   | 1        | EA   | \$8,280.00  | \$8,280    |          |      |          |             |           |           |          |          | \$8,280   |          |             |          |          |          |           |           |          | \$8,280  |             |  |           |                            | \$16,560  |
| E1030   | Kitchen             | 7388375        | Foodservice Equipment, Mixer, Tabletop, Replace                                     | 20             | 12   | 8   | 1        | EA   | \$3,400.00  | \$3,400    |          |      |          |             |           |           |          |          | \$3,400   |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$3,400   |
| E1030   | Kitchen             | 7388380        | Foodservice Equipment, Refrigerator, 1-Door Reach-In, Replace                       | 15             | 6    | 9   | 1        | EA   | \$2,700.00  | \$2,700    |          |      |          |             |           |           |          |          |           | \$2,700  |             |          |          |          |           |           |          |          |             |  |           |                            | \$2,700   |
| E1030   | Kitchen             | 7388334        | Foodservice Equipment, Walk-In, Evaporator for Refrigerator/Freezer, Replace        | 15             | 5    | 10  | 2        | EA   | \$4,600.00  | \$9,200    |          |      |          |             |           |           |          |          |           |          | \$9,200     |          |          |          |           |           |          |          |             |  |           |                            | \$9,200   |
| E1030   | Kitchen             | 7420094        | Foodservice Equipment, Ice maker, Freestanding, Replace                             | 15             | 4    | 11  | 1        | EA   | \$6,700.00  | \$6,700    |          |      |          |             |           |           |          |          |           |          |             | \$6,700  |          |          |           |           |          |          |             |  |           |                            | \$6,700   |
| E1030   | Kitchen             | 7420091        | Foodservice Equipment, Walk-In, Evaporator for Refrigerator/Freezer, Replace        | 15             | 0    | 15  | 1        | EA   | \$4,600.00  | \$4,600    |          |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           | \$4,600  |          |             |  |           |                            | \$4,600   |
| E1030   | Kitchen             | 7388305        | Foodservice Equipment, Tilting Skillet, Replace                                     | 20             | 5    | 15  | 1        | EA   | \$26,950.00 | \$26,950   |          |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           | \$26,950 |          |             |  |           |                            | \$26,950  |
| E1030   | Teachers lounge     | 7420072        | Foodservice Equipment, Refrigerator, 1-Door Reach-In, Replace                       | 15             | 0    | 15  | 2        | EA   | \$2,700.00  | \$5,400    |          |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           | \$5,400  |          |             |  |           |                            | \$5,400   |
| E1040   | Classrooms          | 7388349        | Laboratory Equipment, Lab Sink, Epoxy Resin, Replace                                | 30             | 16   | 14  | 11       | EA   | \$2,450.00  | \$26,950   |          |      |          |             |           |           |          |          |           |          |             |          |          |          | \$26,950  |           |          |          |             |  |           |                            | \$26,950  |
| E1060   | Kitchen             | 7420093        | Residential Appliances, Washer/Dryer Combo Unit, Replace                            | 15             | 7    | 8   | 1        | EA   | \$1,400.00  | \$1,400    |          |      |          |             |           |           |          |          | \$1,400   |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$1,400   |
| E2010   | Throughout building | 7388337        | Casework, Countertop, Plastic Laminate, Replace                                     | 15             | 9    | 6   | 100      | LF   | \$50.00     | \$5,000    |          |      |          |             |           | \$5,000   |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$5,000   |
| E2010   | Throughout building | 7388351        | Casework, Cabinetry Economy, Replace  | 20             | 9    | 11  | 100      | LF   | \$175.00    | \$17,500   |          |      |          |             |           |           |          |          |           |          | \$17,500    |          |          |          |           |           |          |          |             |  |           |                            | \$17,500  |
| E2010   | Gymnasium           | 7388336        | Bleachers, Telescoping Manual, up to 15 Tier (per Seat), Replace                    | 20             | 6    | 14  | 192      | EA   | \$300.00    | \$57,600   |          |      |          |             |           |           |          |          |           |          |             |          |          |          | \$57,600  |           |          |          |             |  |           |                            | \$57,600  |
| G2020   | Site                | 7388331        | Parking Lots, Pavement, Asphalt, Mill & Overlay                                     | 25             | 20   | 5   | 32000    | SF   | \$3.50      | \$112,000  |          |      |          |             | \$112,000 |           |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$112,000 |
| G2050   | Site                | 7388318        | Play Structure, Multipurpose, Medium, Replace                                       | 20             | 20   | 0   | 1        | EA   | \$20,000.00 | \$20,000   | \$20,000 |      |          |             |           |           |          |          |           |          |             |          |          |          |           |           |          |          |             |  | \$20,000  |                            | \$40,000  |
| G4050   | Site                | 7388391        | Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install | 20             | 15   | 5   | 16       | EA   | \$4,000.00  | \$64,000   |          |      |          |             |           | \$64,000  |          |          |           |          |             |          |          |          |           |           |          |          |             |  |           |                            | \$64,000  |
| Totals, Unescalated                                     |                     |                |   |                |      |     |          |      |             |            | \$20,000 | \$0  | \$83,600 | \$1,338,238 | \$31,800  | \$614,600 | \$35,300 | \$39,500 | \$786,080 | \$9,900  | \$1,165,212 | \$28,560 | \$10,500 | \$10,673 | \$182,550 | \$178,850 | \$21,500 | \$0      | \$654,080   | \$29,800   | \$83,300  | \$5,324,042                |           |
| Totals, Escalated (3.0% inflation, compounded annually) |                     |                |   |                |      |     |          |      |             |            | \$20,000 | \$0  | \$88,691 | \$1,462,328 | \$35,791  | \$712,490 | \$42,150 | \$48,580 | \$995,783 | \$12,917 | \$1,565,948 | \$39,534 | \$14,970 | \$15,673 | \$276,123 | \$278,642 | \$34,501 | \$0      | \$1,113,527 | \$52,254   | \$150,449 | \$6,960,353                |           |

## Appendix G:

### Equipment Inventory List

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| D20 Plumbing |         |        |                                |  |          |                      |                     |                        |                  |                     |              |         |     |
|--------------|---------|--------|--------------------------------|--|----------|----------------------|---------------------|------------------------|------------------|---------------------|--------------|---------|-----|
| Index        | ID      | UFCode | Component Description          | Attributes                                   | Capacity | Building             | Location Detail     | Manufacturer           | Model            | Serial              | Dataplate Yr | Barcode | Qty |
| 1            | 7420045 | D2010  | Water Heater                   | Electric, Commercial ( 12 kW)                | 80 GAL   | Northaven Elementary | Utility closet      | A.O. Smith             | DRE-80 100       | 1925115392537       | 2019         |         |     |
| 2            | 7388367 | D2010  | Water Heater                   | Electric, Commercial ( 36 kW)                | 85 GAL   | Northaven Elementary | Utility closet      | Rheem                  | E85A-18-G        | D1203 RR 0903E00308 | 2003         |         |     |
| 3            | 7388379 | D2010  | Water Heater                   | Electric, Commercial ( 36 kW)                | 80 GAL   | Northaven Elementary | Utility closet      | A. O. Smith            | DRE-80 100       | 1925115392537       | 2019         |         |     |
| 4            | 7388321 | D2010  | Water Heater                   | Electric, Commercial ( 36 kW)                | 82 GAL   | Northaven Elementary | Throughout building | Lochinvar              | MSX18-082        | BF6297069           |              |         |     |
| 5            | 7388353 | D2010  | Water Heater                   | Electric, Commercial ( 36 kW), 81 to 130 GAL | 99 GAL   | Northaven Elementary | Water Room          | State                  | No dataplate     | No dataplate        | 1993         |         |     |
| 6            | 7388385 | D2010  | Water Heater                   | Electric, Commercial ( 36 kW), 81 to 130 GAL | 80 GAL   | Northaven Elementary | Water Room          | State                  | No dataplate     | No dataplate        |              |         |     |
| 7            | 7388361 | D2010  | Water Heater                   | Gas, Commercial (200 MBH)                    | 100 GAL  | Northaven Elementary | Throughout building | State Industries, Inc. | SBF100260NESASME | J99488283           | 1999         |         |     |
| D30 HVAC     |         |        |                                |  |          |                      |                     |                        |                  |                     |              |         |     |
| Index        | ID      | UFCode | Component Description          | Attributes                                   | Capacity | Building             | Location Detail     | Manufacturer           | Model            | Serial              | Dataplate Yr | Barcode | Qty |
| 1            | 7388399 | D3020  | Boiler Supplemental Components | Expansion Tank                               | 12 GAL   | Northaven Elementary | Utility closet      | Amtrol                 | ST 12 C          | 95-622              | 1995         |         |     |
| 2            | 7388342 | D3020  | Boiler Supplemental Components | Expansion Tank                               | 12 GAL   | Northaven Elementary | Utility closet      | Amtrol                 | ST 12 C          | 95-622              | 1995         |         |     |
| 3            | 7388310 | D3030  | Split System                   | Fan Coil Unit, DX                            | 1 TON    | Northaven Elementary | Throughout building | Daikin Industries      | FTX15NMVJU       | G033508             |              |         |     |
| 4            | 7388308 | D3030  | Split System Ductless          | Multi Zone, per 1 to 2 TON FCU               | 1.5 TON  | Northaven Elementary | Roof                | Daikin Industries      | RXL15QMVJUA      | E018740             | 2022         |         |     |
| 5            | 7388317 | D3050  | Make-Up Air Unit               | MUA or MAU, 2000 to 6000 CFM                 | 3280 CFM | Northaven Elementary | Roof 2              | Econ-AIR               | No dataplate     | No dataplate        | 2022         |         |     |
| 6            | 7388302 | D3050  | Packaged Unit                  | RTU, Pad or Roof-Mounted                     | 4 TON    | Northaven Elementary | Roof                | Lennox                 | LGH048H4EB5G     | 5622C05829          | 2022         |         |     |
| 7            | 7420054 | D3050  | Packaged Unit                  | RTU, Pad or Roof-Mounted                     | 2 TON    | Northaven Elementary | Roof                | Lennox                 | KGB024S4EW2P     | 5622C00857          | 2022         |         |     |
| 8            | 7420104 | D3050  | Packaged Unit                  | RTU, Pad or Roof-Mounted                     | 3 TON    | Northaven Elementary | Roof                | Lennox                 | LGH036H4EB5G     | 5622C05417          | 2022         |         |     |
| 9            | 7420062 | D3050  | Packaged Unit                  | RTU, Pad or Roof-Mounted                     | 5 TON    | Northaven Elementary | Roof 2              | Lennox                 | LGH060H4EB5G     | 5622C06074          | 2022         |         |     |
| 10           | 7388307 | D3050  | Packaged Unit                  | RTU, Pad or Roof-Mounted                     | 3 TON    | Northaven Elementary | Roof                | Lennox                 | LGH060H4EB5G     | 5622D01146          | 2022         |         |     |

|    |         |       |               |                          |        |                      |        |        |              |            |      |
|----|---------|-------|---------------|--------------------------|--------|----------------------|--------|--------|--------------|------------|------|
| 11 | 7388374 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04634 | 2022 |
| 12 | 7388383 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C09361 | 2022 |
| 13 | 7420110 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04595 | 2022 |
| 14 | 7388392 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C09360 | 2022 |
| 15 | 7388377 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04625 | 2022 |
| 16 | 7388386 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04625 | 2022 |
| 17 | 7388354 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | KGB024S4EW2P | 5622C00855 | 2022 |
| 18 | 7420089 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04611 | 2022 |
| 19 | 7388404 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04689 | 2022 |
| 20 | 7388344 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04646 | 2022 |
| 21 | 7420105 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 4 TON  | Northaven Elementary | Roof   | Lennox | LGH048H4EB5G | 5622C05840 | 2022 |
| 22 | 7420117 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 4 TON  | Northaven Elementary | Roof   | Lennox | LGH048H4EB5G | 5622C05845 | 2022 |
| 23 | 7420063 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04608 | 2022 |
| 24 | 7420051 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C04654 | 2022 |
| 25 | 7420067 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4E850 | 5622C05485 | 2022 |
| 26 | 7388372 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C05428 | 2022 |
| 27 | 7420108 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 10 TON | Northaven Elementary | Roof 2 | Lennox | LGH120H4BS4G | 5622B04940 | 2022 |
| 28 | 7420050 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C05501 | 2022 |
| 29 | 7388355 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 10 TON | Northaven Elementary | Roof   | Lennox | LGH120H4BS4G | 5622B05095 | 2022 |
| 30 | 7388348 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof 2 | Lennox | LGH092H4MS4G | 5622B02022 | 2022 |
| 31 | 7420055 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 5 TON  | Northaven Elementary | Roof   | Lennox | LGH060H4EB5G | 5622C06068 | 2022 |
| 32 | 7388343 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON  | Northaven Elementary | Roof   | Lennox | LGH036H4EB5G | 5622C05440 | 2022 |

|    |         |       |               |                          |         |                      |          |        |              |            |      |
|----|---------|-------|---------------|--------------------------|---------|----------------------|----------|--------|--------------|------------|------|
| 33 | 7420060 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 7.6 TON | Northaven Elementary | Roof 2   | Lennox | LGH092H4MS40 | 5622802023 | 2022 |
| 34 | 7388400 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C05414 | 2022 |
| 35 | 7388390 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04619 | 2022 |
| 36 | 7388401 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 5 TON   | Northaven Elementary | Roof     | Lennox | LGH060H4EB5G | 5622C06075 | 2022 |
| 37 | 7420085 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04599 | 2022 |
| 38 | 7388393 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04658 | 2022 |
| 39 | 7388313 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C05457 | 2022 |
| 40 | 7420074 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04704 | 2022 |
| 41 | 7388381 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04624 | 2022 |
| 42 | 7420111 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 10 TON  | Northaven Elementary | Gym Roof | Lennox | LGH120H4BS4G | 5622B05104 | 2022 |
| 43 | 7388403 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04664 | 2022 |
| 44 | 7388376 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 8 TON   | Northaven Elementary | Roof 2   | Lennox | LGH092H4MS4G | 5622B02020 | 2022 |
| 45 | 7420071 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04669 | 2022 |
| 46 | 7420115 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 5 TON   | Northaven Elementary | Roof     | Lennox | LGH060H4EB5G | 5622C06077 | 2022 |
| 47 | 7420096 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04631 | 2022 |
| 48 | 7388327 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 2 TON   | Northaven Elementary | Roof     | Lennox | KGB024S4EW2P | 5622C00859 | 2022 |
| 49 | 7388320 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 2 TON   | Northaven Elementary | Roof     | Lennox | KGB024S4EW2P | 5622C00860 | 2022 |
| 50 | 7420107 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C05433 | 2022 |
| 51 | 7388341 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04576 | 2022 |
| 52 | 7388309 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C04615 | 2022 |
| 53 | 7388328 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 5 TON   | Northaven Elementary | Roof     | Lennox | LGH060H4EB5G | 5622C06079 | 2022 |
| 54 | 7388366 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted | 3 TON   | Northaven Elementary | Roof     | Lennox | LGH036H4EB5G | 5622C05410 | 2022 |

|    |         |       |               |                                  |          |                      |          |                   |              |            |       |
|----|---------|-------|---------------|----------------------------------|----------|----------------------|----------|-------------------|--------------|------------|-------|
| 55 | 7388333 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C04571 | 2022  |
| 56 | 7388326 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C04604 | 2022  |
| 57 | 7420065 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 4 TON    | Northaven Elementary | Roof     | Lennox            | LGH048H4EB5G | 5622C05811 | 2022  |
| 58 | 7420073 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C04581 | 2022  |
| 59 | 7420109 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 2 TON    | Northaven Elementary | Roof     | Lennox            | KGB024S4EW2P | 5622C00856 | 2022  |
| 60 | 7420095 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C05487 | 2022  |
| 61 | 7420052 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 2 TON    | Northaven Elementary | Roof     | Lennox            | KGB024S4EW2P | 5622C00858 | 2022  |
| 62 | 7420088 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C05462 | 2022  |
| 63 | 7420046 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 4 TON    | Northaven Elementary | Roof     | Lennox            | LGH048H4EB5G | 5622C09257 | 2022  |
| 64 | 7388346 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C05456 | 2022  |
| 65 | 7388402 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 5 TON    | Northaven Elementary | Roof     | Lennox            | LGH060HHEB5G | 5622002343 | 2022  |
| 66 | 7420079 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 3 TON    | Northaven Elementary | Roof     | Lennox            | LGH036H4EB5G | 5622C04602 | 2022  |
| 67 | 7420087 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted         | 7.6 TON  | Northaven Elementary | Roof 2   | Lennox            | LGH092H4MS4G | 5622B02025 | 2022  |
| 68 | 7420077 | D3050 | Packaged Unit | RTU, Pad or Roof-Mounted, 3 TON  |          | Northaven Elementary | Gym roof | Reznor            | Illegible    | Illegible  |       |
| 69 | 7420047 | D3060 | Exhaust Fan   | Centrifugal, 12" Damper          | 825 CFM  | Northaven Elementary | Roof     | Illegible         | Illegible    | C22FZ17136 | 2022  |
| 70 | 7420066 | D3060 | Exhaust Fan   | Centrifugal, 12" Damper          | 735 CFM  | Northaven Elementary | Roof     | PennBarry         | DX12B        | C22FZ17138 | 2022  |
| 71 | 7420081 | D3060 | Exhaust Fan   | Centrifugal, 12" Damper          | 975 CFM  | Northaven Elementary | Gym Roof | PennBarry         | DX12B        | C22FZ17135 | 2022  |
| 72 | 7420064 | D3060 | Exhaust Fan   | Centrifugal, 12" Damper          | 100 CFM  | Northaven Elementary | Roof     | PennBarry         | DX10R        | C22FZ24065 | 20228 |
| 73 | 7420100 | D3060 | Exhaust Fan   | Centrifugal, 12" Damper          | 500 CFM  | Northaven Elementary | Roof 2   | PennBarry         | DX18V        | C22FZ17133 | 2022  |
| 74 | 7420101 | D3060 | Exhaust Fan   | Centrifugal, 24" Damper          | 4000 CFM | Northaven Elementary | Roof 2   | PennBarry         | DX148        | C22FZ17134 | 2022  |
| 75 | 7388301 | D3060 | Exhaust Fan   | Roof or Wall-Mounted, 12" Damper | 1000 CFM | Northaven Elementary | Roof     | Power Ventilation | DX08R        | C22FZ24068 | 2022  |
| 76 | 7388338 | D3060 | Exhaust Fan   | Roof or Wall-Mounted, 12" Damper | 1960 CFM | Northaven Elementary | Roof 2   | PennBarry         | DX12B        | C22FZ17140 |       |

|                |         |        |                       |  |          |                      |                   |              |               |                 |              |         |     |
|----------------|---------|--------|-----------------------|--|----------|----------------------|-------------------|--------------|---------------|-----------------|--------------|---------|-----|
| 77             | 7388356 | D3060  | Exhaust Fan           | Roof or Wall-Mounted, 12" Damper                   | 450 CFM  | Northaven Elementary | Roof              | PennBarry    | DX11Q         | D221Z02120      | 2022         |         |     |
| 78             | 7388360 | D3060  | Exhaust Fan           | Roof or Wall-Mounted, 12" Damper, 501 to 1000 CFM  | 500 CFM  | Northaven Elementary | Roof              | PennBarry    | DX08R         | C22FZ24061      | 2022         |         |     |
| 79             | 7388373 | D3060  | Exhaust Fan           | Roof or Wall-Mounted, 24" Damper                   | 2000 CFM | Northaven Elementary | Roof              | PennBarry    | Illegible     | Illegible       | 2022         |         |     |
| 80             | 7388335 | D3060  | Exhaust Fan           | Roof or Wall-Mounted, 24" Damper                   | 2000 CFM | Northaven Elementary | Roof 2            | PennBarry    | DX12B         | C22FZ17139      |              |         |     |
| 81             | 7388315 | D3060  | Exhaust Fan           | Roof or Wall-Mounted, 36"Damper, 8501 to 15000 CFM | 4000 CFM | Northaven Elementary | Roof 2            | ECON-AIR     | EADU200H      | 5276725         | 2022         |         |     |
| D50 Electrical |         |        |                       |  |          |                      |                   |              |               |                 |              |         |     |
| Index          | ID      | UFCode | Component Description | Attributes   | Capacity | Building             | Location Detail   | Manufacturer | Model         | Serial          | Dataplate Yr | Barcode | Qty |
| 1              | 7427120 | D5010  | Generator             | Diesel   | 300 KW   | Northaven Elementary | Site              | Inaccessible | Inaccessible  | Inaccessible    | 1999         |         |     |
| 2              | 7388368 | D5020  | Secondary Transformer | Dry, Stepdown                                      | 75 KVA   | Northaven Elementary | Kitchen           | Square D     | 75T3H         | 34349-17212-025 | 1979         |         |     |
| 3              | 7388339 | D5020  | Secondary Transformer | Dry, Stepdown                                      | 30 KVA   | Northaven Elementary | Electrical room   | Square D     | 30T3H         | 33349-17212-020 | 1979         |         |     |
| 4              | 7388359 | D5020  | Secondary Transformer | Dry, Stepdown                                      | 225 KVA  | Northaven Elementary | Electrical Room 2 | Siemens      | 36 B          | 3F3Y225         | 1999         |         |     |
| 5              | 7388325 | D5020  | Secondary Transformer | Dry, Stepdown                                      | 30 KVA   | Northaven Elementary | Kitchen           | Siemens      | 36 B          | 3F3Y030         | 1999         |         |     |
| 6              | 7420084 | D5020  | Secondary Transformer | Dry, Stepdown, 15 KVA                              | 15 KVA   | Northaven Elementary | Electrical Room 2 | Siemens      | 36 B          | No dataplate    |              |         |     |
| 7              | 7388365 | D5020  | Switchboard           | 277/480 V  | 1600 AMP | Northaven Elementary | Electrical room   | Square D     | 9462          | 45-68658-1      | 1974         |         |     |
| 8              | 7388370 | D5020  | Switchboard           | 277/480 V  | 800 AMP  | Northaven Elementary | Electrical Room 2 | Siemens      | S4E60ML800EBS | 17-53544-B00    | 1999         |         |     |
| 9              | 7388405 | D5020  | Switchboard           | 277/480 V  | 1600 AMP | Northaven Elementary | Electrical room   | Square D     | 9463          | 845-68658-3     | 1974         |         |     |
| 10             | 7388350 | D5020  | Switchboard           | 277/480 V,   | 1200 AMP | Northaven Elementary | Electrical room   | Square D     | 9482          | B45-68658-2     | 1974         |         |     |
| 11             | 7388394 | D5020  | Distribution Panel    | 120/208 V  | 600 AMP  | Northaven Elementary | Kitchen           | Square D     |               | HCN 3254 6      | 1974         |         |     |
| 12             | 7420075 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                                 | 125 AMP  | Northaven Elementary | Electrical Room 2 | Siemens      | S2            | No dataplate    | 1999         |         |     |
| 13             | 7420118 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                                 | 250 AMP  | Northaven Elementary | Electrical Room 2 | Siemens      | S1            | No dataplate    | 1999         |         |     |
| 14             | 7420106 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                                 | 250 AMP  | Northaven Elementary | Electrical Room 2 | Siemens      | S1            | No dataplate    | 1999         |         |     |
| 15             | 7420083 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                                 | 250 AMP  | Northaven Elementary | Electrical Room 2 | Siemens      | S2            | No dataplate    | 1999         |         |     |

|                                  |         |        |                       |   |          |                      |                   |                          |               |              |              |         |     |
|----------------------------------|---------|--------|-----------------------|---|----------|----------------------|-------------------|--------------------------|---------------|--------------|--------------|---------|-----|
| 16                               | 7420057 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                      | 225 AMP  | Northaven Elementary | Electrical room   | Square D                 | I-Line        | No dataplate | 1999         |         |     |
| 17                               | 7420048 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                      | 250 AMP  | Northaven Elementary | Electrical Room 2 | Siemens                  | S2            | No dataplate | 1999         |         |     |
| 18                               | 7420070 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                      | 250 AMP  | Northaven Elementary | Electrical Room 2 | Siemens                  | S2            | No dataplate | 1999         |         |     |
| 19                               | 7420069 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                      | 250 AMP  | Northaven Elementary | Electrical Room 2 | Siemens                  | S1            | No dataplate | 1999         |         |     |
| 20                               | 7388387 | D5020  | Distribution Panel    | 120/208 V, 200 AMP                      | 125 AMP  | Northaven Elementary | Kitchen           | Square D                 | NQOB          | No dataplate | 1974         |         | 3   |
| 21                               | 7388388 | D5020  | Distribution Panel    | 120/240 V                               | 400 AMP  | Northaven Elementary | Kitchen           | Square D                 |               | HCN 32544    | 1999         |         |     |
| 22                               | 7420113 | D5020  | Distribution Panel    | 120/240 V, 100 AMP                      | 100 AMP  | Northaven Elementary | Electrical room   | Square D                 | NQOB          | No dataplate | 1999         |         |     |
| 23                               | 7388395 | D5020  | Distribution Panel    | 277/480 V                               | 600 AMP  | Northaven Elementary | Electrical Room 2 | Siemens                  | S4C60LX600EBS | 17-53544-B00 | 1999         |         |     |
| 24                               | 7420078 | D5020  | Distribution Panel    | 277/480 V, 800 AMP                      | 800 AMP  | Northaven Elementary | Electrical room   | Square D                 | I-Line        | No dataplate |              |         |     |
| D70 Electronic Safety & Security |         |        |                       |   |          |                      |                   |                          |               |              |              |         |     |
| Index                            | ID      | UFCode | Component Description | Attributes                              | Capacity | Building             | Location Detail   | Manufacturer             | Model         | Serial       | Dataplate Yr | Barcode | Qty |
| 1                                | 7388319 | D7050  | Fire Alarm Panel      | Fully Addressable                       |          | Northaven Elementary | Main Office       | Illegible                | Illegible     | L154221001   |              |         |     |
| E10 Equipment                    |         |        |                       |   |          |                      |                   |                          |               |              |              |         |     |
| Index                            | ID      | UFCode | Component Description | Attributes                              | Capacity | Building             | Location Detail   | Manufacturer             | Model         | Serial       | Dataplate Yr | Barcode | Qty |
| 1                                | 7388322 | E1030  | Foodservice Equipment | Convection Oven, Double                 |          | Northaven Elementary | Kitchen           | Blodgett                 | BD0-100-E     | 022719CY026T |              |         |     |
| 2                                | 7388363 | E1030  | Foodservice Equipment | Dairy Cooler/Wells                      |          | Northaven Elementary | Kitchen           | Beverage-Air Corporation | SM58N         | 29308.15503  |              |         |     |
| 3                                | 7420044 | E1030  | Foodservice Equipment | Dishwasher Commercial                   |          | Northaven Elementary | Kitchen           |                          |               |              |              |         |     |
| 4                                | 7420097 | E1030  | Foodservice Equipment | Food Warmer, Proofing Cabinet on Wheels |          | Northaven Elementary | Kitchen           |                          | UHS-12P       | 165024707    | 2016         |         |     |
| 5                                | 7388371 | E1030  | Foodservice Equipment | Food Warmer, Proofing Cabinet on Wheels |          | Northaven Elementary | Kitchen           | FWE                      | MTU-12        | 102722002    | 2010         |         |     |
| 6                                | 7420094 | E1030  | Foodservice Equipment | Icemaker, Freestanding                  |          | Northaven Elementary | Kitchen           |                          | IYT0420A-161X | 1120556868   | 2019         |         |     |
| 7                                | 7388375 | E1030  | Foodservice Equipment | Mixer, Tabletop                         |          | Northaven Elementary | Kitchen           | G.S. Blakeslee           | B-20          | 2-12233-1BAA |              |         |     |
| 8                                | 7388347 | E1030  | Foodservice Equipment | Range, 2-Burner                         |          | Northaven Elementary | Kitchen           |                          |               |              |              |         |     |
| 9                                | 7420056 | E1030  | Foodservice Equipment | Refrigerator, 1-Door Reach-In           |          | Northaven Elementary | Kitchen           |                          | 1RE-PT        | 15595749     | 2015         |         |     |

