Atlanta Public Schools/ N. Atlanta Cluster

Brandon Elementary School

Revised

School Assessment Report

November 10, 2020

ATLANTA PUBLIC SCHOOLS

PARSONS

Table of Contents

School Executive Summary

The condition of a Campus is the accumulation of the condition evaluations of the component buildings and the site. Building condition is evaluated based on the functional systems and elements of a building and organized according to the **UNIFORMAT II Elemental Classification**. eCOMET uses parametric estimating methodology whereby historical costs for systems, components and equipment are collected by entities such as RSMeans and converted to unit costs, typically $/SF, and used to approximate future construction costs or replacement values. The grouping of these systems and elements and applying a current replacement value to them develops a representative building cost model. Cost Models are developed for similar building types and functions. Systems and their elements are evaluated based on their current replacement values, life cycles, installation dates and next renewal dates. Systems and their elements that are within their useful lives are further evaluated to identify current deficient conditions that may have a significant impact on a system's or element's remaining service life, and to determine if they are beyond their predicted expected life. The system's or element's current replacement value is based on RS Means Commercial Cost Data.

Following are the cost model's system details for this facility. The **Current Replacement Value (CRV)** is the amount needed to replace the property of the same present scope. The **Repair Cost** (the sum of the cost to repair/replace the Deficiencies) represents the budgeted contractor-installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging of the work. **Facility Condition Index (FCI)** is an industry-standard measurement of facility condition calculated as the ratio of the costs to correct a facility's deficiencies (Condition Needs) to the facility's Current Replacement Value. It ranges from 0% (new) to 100% (very poor - beyond service life). The **Remaining Service Life Index (RSLI)** is calculated as the sum of a renewable system's **Remaining Service Life (RSL)** divided by the sum of a system's Replacement Value (both values exclude soft-cost to simplify calculation updates) expressed as a percentage ranging from 100% (new) to 0% (expired). The relationship between the key metrics FCI and RSLI is an important indicator, at either the facility, building, system, or component levels, of the condition trend and the imminent need for capital renewal. These indices exist in an inverse relationship wherein the FCI increases when systems reach their expected life-cycle age, whereas the RSLI decreases annually indicating the relative time remaining before reaching the life-cycle expiration age. For example, a facility or a system with a high RSLI and a low FCI indicates it is in the early portion of its useful life. However, a low RSLI indicates that expiration dates are approaching at which point the FCI would increase. The term **FCA Score** is the inverse of Total FCI and calculated as 100-Total FCI (without the %) where 100 is best and 0 is worst condition.

Gross Area (SF):	76,672
Year Built:	1947
Last Renovation:	
Replacement Value:	$17,988,245
Repair Cost:	$3,520,626.00
Total FCI:	19.57 %
Total RSLI:	42.97 %
FCA Score:	80.43

Description:

Brandon Elementary School is located 2741 Howell Mill Road in Atlanta, Georgia. The two story, 76,672 square foot building was originally constructed in 1947. Additions to the facility were constructed in 1949, 1953, 1968, 1993, and 2006.

This report contains condition and adequacy data collected during the 2019 Facility Condition Assessment (FCA) Update. Detailed condition and deficiency statements are contained in this report for the site and building elements.

A. SUBSTRUCTURE
The building rests on slab-on grade and is assumed to have standard cast-in-place concrete foundations. The building does not have a basement.

B. SUPERSTRUCTURE
Floor construction is metal pan deck with lightweight fill. Roof construction is metal pan deck with lightweight fill. The exterior envelope is composed of walls of brick veneer over CMU. Exterior windows are aluminum frame with operable panes. Exterior doors

are hollow metal steel mostly with glazing. Roofing is typically low slope built-up. Roof openings include a roof hatch with fixed ladder access. Most building entrances appear to comply with ADA requirements.

C. INTERIORS
Interior partitions are typically CMU. Interior doors are generally solid core wood with hollow metal frames and mostly with glazing. Interior fittings include the following items: white boards, graphics and identifying devices, toilet accessories, storage shelving, handrails, fabricated toilet partitions. The interior wall finishes are typically painted CMU. Floor finishes in common areas are typically vinyl composition tile. Floor finishes in assignable spaces is typically vinyl composition tile., carpet, and Ceramic tile. Ceiling finishes in common areas are typically suspended acoustical tile. Ceiling finishes in assignable areas are typically suspended acoustical tile.

D. SERVICES
CONVEYING: The building does include conveying equipment. Conveying equipment includes one hydraulic elevators, and no wheelchair lifts.
PLUMBING: Plumbing fixtures are typically low-flow water fixtures with manual control valves. Domestic water distribution is combination of copper and galvanized steel with electric hot water heating. Sanitary waste system is cast iron. Rainwater drainage system is internal with roof drains.
HVAC: Heating is provided by rooftop package units. Cooling is supplied by rooftop package units. The heating/cooling distribution system is a ductwork system utilizing air handling units. Ceiling mounted exhaust fans are installed in bathrooms and other required areas. Controls and instrumentation are digital and are centrally controlled by an energy management system. This school has a remote Building Automation System.
FIRE PROTECTION: The building does not have a fire sprinkler system. The building does have a kitchen hood fire suppression system. Fire extinguishers and cabinets are distributed near fire exits and corridors.
ELECTRICAL: The main electrical service is fed from a pole mounted transformer to the main switchboard/distribution panel located in the building. Lighting is lay-in type, fluorescent light fixtures. Branch circuit wiring is typically copper serving electrical switches and receptacles. Emergency and life safety egress lighting systems are installed and exit signs are present at exit doors and near stairways and are typically illuminated.
COMMUNICATIONS AND SECURITY: The fire alarm system consists of audible/visual strobe annunciators in all common spaces. The system is activated by manual pull stations and smoke detectors and the system is centrally monitored. The telephone and data systems are segregated and include dedicated equipment closets. This building does have a local area network (LAN). The building includes an internal security system that is actuated by the following items: contacts, infrared, optical or a combination of all devices. The building has controlled entry doors access provided by card readers; entry doors are secured with magnetic door locks. The security system has CCTV cameras and is centrally monitored; this building has a public address and paging system combined with the telephone system.
OTHER ELECTRICAL SYSTEMS: This building does not have a separately derived emergency power system. There is no natural gas emergency generator.

E. EQUIPMENT & FURNISHINGS
This building includes the following items and equipment: fixed food service, library equipment, fixed casework, window treatment, floor grilles and mats, and multiple seating furnishings.

G. SITE
Campus site features include paved driveways and parking lots, pedestrian pavement, flagpole, landscaping, play areas, and fencing. Site mechanical and electrical features include water, sewer, natural gas and site lighting.

CODE REVIEW
ACCESSIBILITY: The building is generally in compliance with applicable ADA requirements with respect to path of travel, interior and exterior doors, interior signage, and toilet room dimensions, fixtures, and fittings. Most building entrances appear to comply with ADA requirements.
LIFE-SAFETY SYSTEMS: The building is not covered with a wet sprinkler system. Fire extinguishers are located throughout the building. Power outlets in wet areas are GFIC protected. The fire alarm system includes detection devices, audio/visual alarms, and pull stations. Emergency/egress lighting is a combination of battery and special circuit systems. Illuminated exit signage is present in corridors and at exit doors. There is no fall protection at the roof.

Attributes:

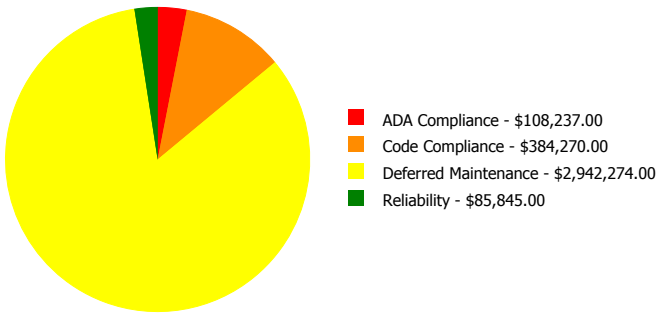
General Attributes:

Arch Condition Assessor:	Eduardo Lopez	MEP Condition Assessor:	Eduardo Lopez
School Grades:	01, 02, 03, 04, 05, KK, PK	DOE Drawing Total GSF:	86138
DOE Facility Number:	2053	Total # of Modular/Portables:	0
DOE Interior Site SF:	76780	Total GSF of Modular/Portables:	0
Approx. Acres:	10	Status:	Active

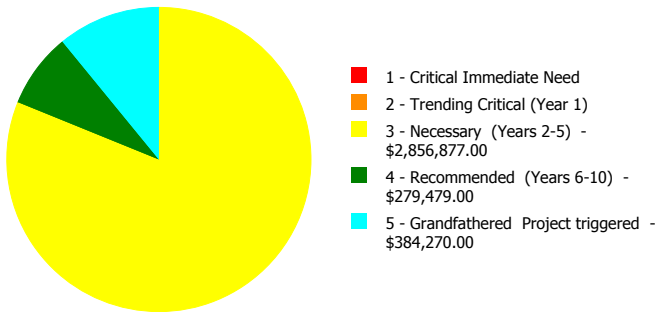
School Dashboard Summary

Gross Area:	76,672		
Year Built:	1947	Last Renovation:	
Repair Cost:	$3,520,626	Replacement Value:	$17,988,245
FCI:	19.57 %	RSLI%:	42.97 %

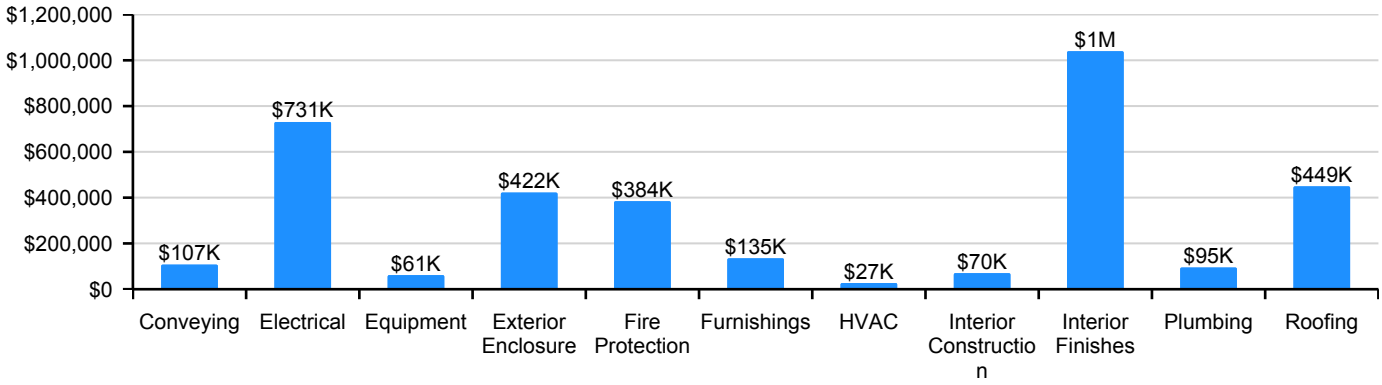
Deficiency By Category



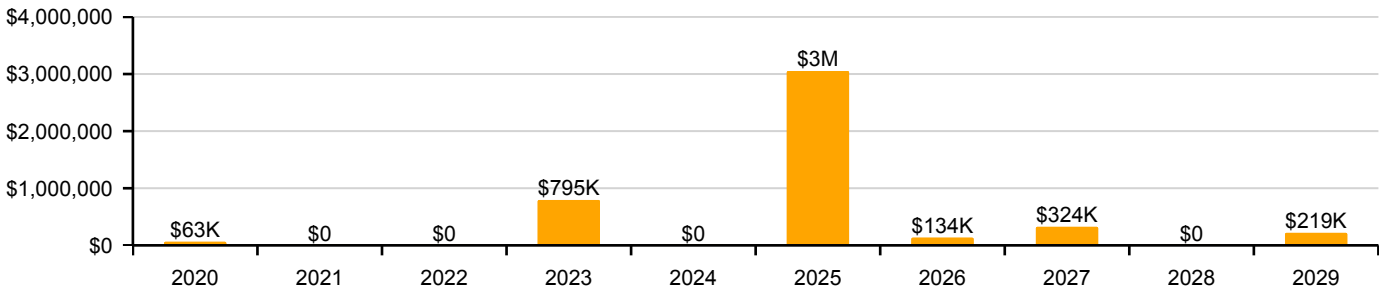
Deficiency By Priority



Deficiency By System



10 Year Investment Forecast



School Condition Summary

The Table below shows the RSLI and FCI for each major system shown at the UNIFORMAT II classification Level 2. Note that Systems with lower FCIs require less investment than systems with higher FCIs.

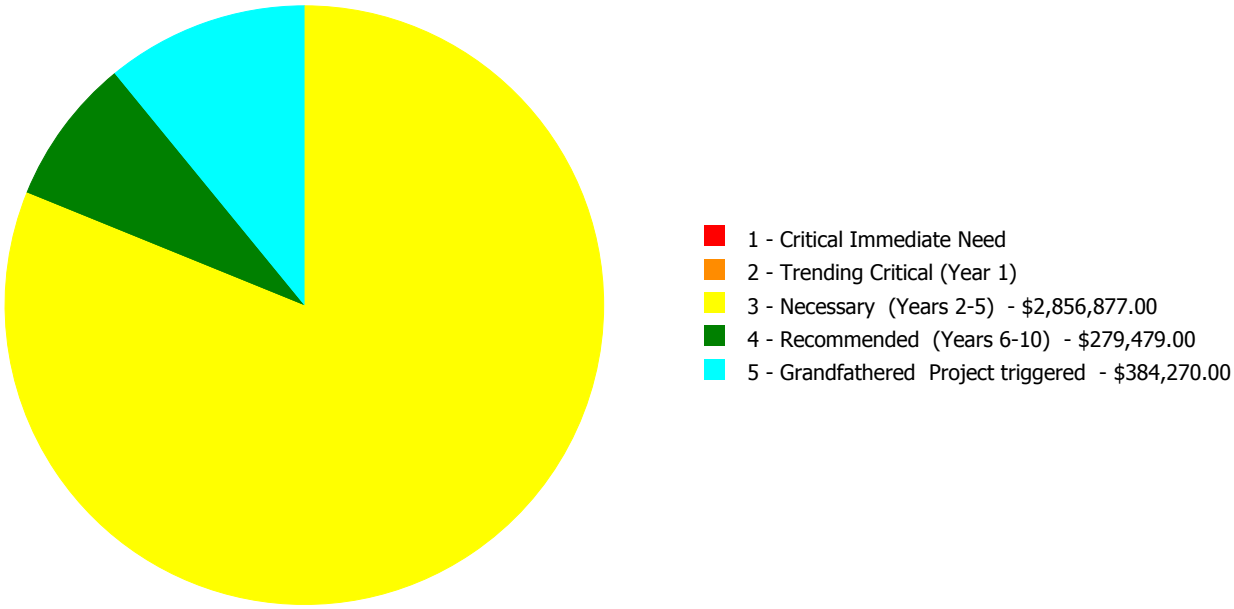
Current Investment Requirement and Condition by Uniformat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	52.69 %	0.00 %	$0.00
A20 - Basement Construction	52.79 %	0.00 %	$0.00
B10 - Superstructure	52.68 %	0.00 %	$0.00
B20 - Exterior Enclosure	36.91 %	22.94 %	$422,139.00
B30 - Roofing	12.70 %	90.48 %	$449,211.00
C10 - Interior Construction	41.89 %	7.43 %	$69,941.00
C20 - Stairs	52.73 %	0.00 %	$0.00
C30 - Interior Finishes	7.12 %	86.00 %	$1,039,483.00
D10 - Conveying	0.00 %	110.00 %	$107,368.00
D20 - Plumbing	25.16 %	12.57 %	$94,640.00
D30 - HVAC	74.88 %	0.89 %	$26,851.00
D40 - Fire Protection	5.52 %	100.92 %	$384,270.00
D50 - Electrical	19.21 %	45.63 %	$730,518.00
E10 - Equipment	0.70 %	107.44 %	$61,365.00
E20 - Furnishings	5.62 %	89.38 %	$134,840.00
G20 - Site Improvements	47.17 %	0.00 %	$0.00
G30 - Site Mechanical Utilities	48.00 %	0.00 %	$0.00
G40 - Site Electrical Utilities	38.36 %	0.00 %	$0.00
Totals:	**42.97 %**	**19.57 %**	**$3,520,626.00**

Condition Deficiency Priority

Facility Name	Gross Area (S.F.)	FCI %	1 - Critical Immediate Need	2 - Trending Critical (Year 1)	3 - Necessary (Years 2-5)	4 - Recommended (Years 6-10)	5 - Grandfathered Project triggered
1947_1949_1953_1968 Bldg 2010_2011_2012_2013	40,017	31.38	$0.00	$0.00	$2,019,538.00	$177,396.00	$196,763.00
1993 Bldg 2020	23,376	21.14	$0.00	$0.00	$822,670.00	$102,083.00	$116,226.00
2005 Bldg 2015	13,279	3.27	$0.00	$0.00	$14,669.00	$0.00	$71,281.00
Site	76,672	0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total:		**19.57**	**$0.00**	**$0.00**	**$2,856,877.00**	**$279,479.00**	**$384,270.00**

Deficiencies By Priority



Budget Estimate Total: $3,520,626.00

Executive Summary

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Function:	Elementary
Gross Area (SF):	40,017
Year Built:	1947
Last Renovation:	
Replacement Value:	$7,627,590
Repair Cost:	$2,393,697.00
Total FCI:	31.38 %
Total RSLI:	29.78 %
FCA Score:	68.62

Description:

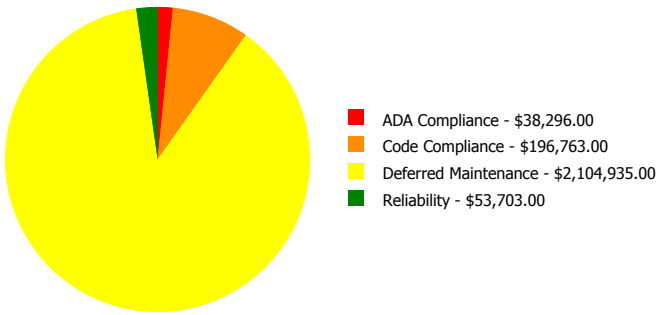
The narrative for this building is included in the Executive Summary Description at the front of this report.

Attributes: This asset has no attributes.

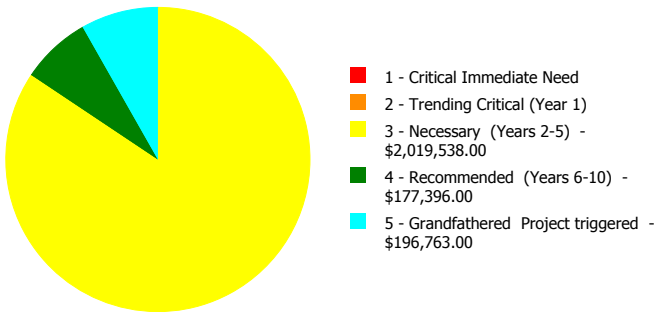
Dashboard Summary

Function:	Elementary	Gross Area:	40,017
Year Built:	1947	Last Renovation:	
Repair Cost:	$2,393,697	Replacement Value:	$7,627,590
FCI:	31.38 %	RSLI%:	29.78 %

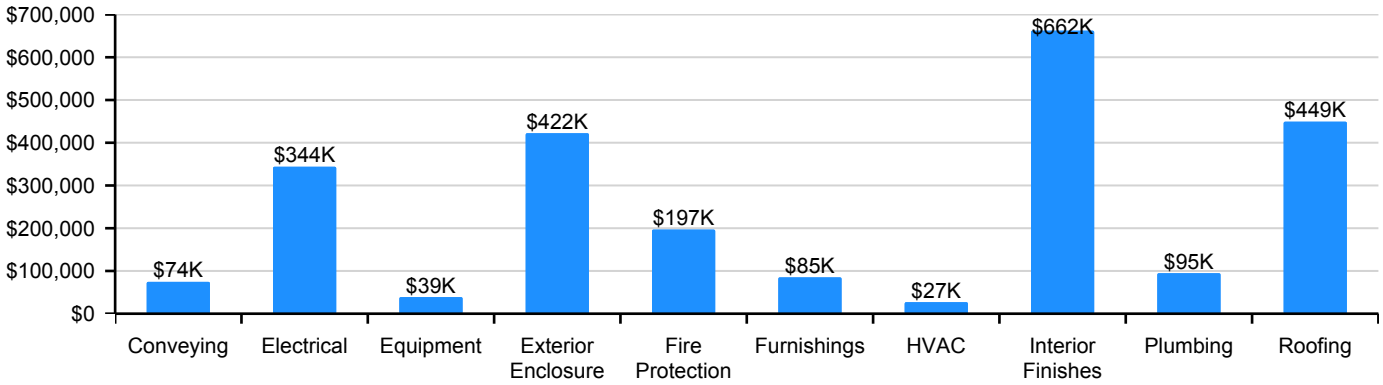
Deficiency By Category



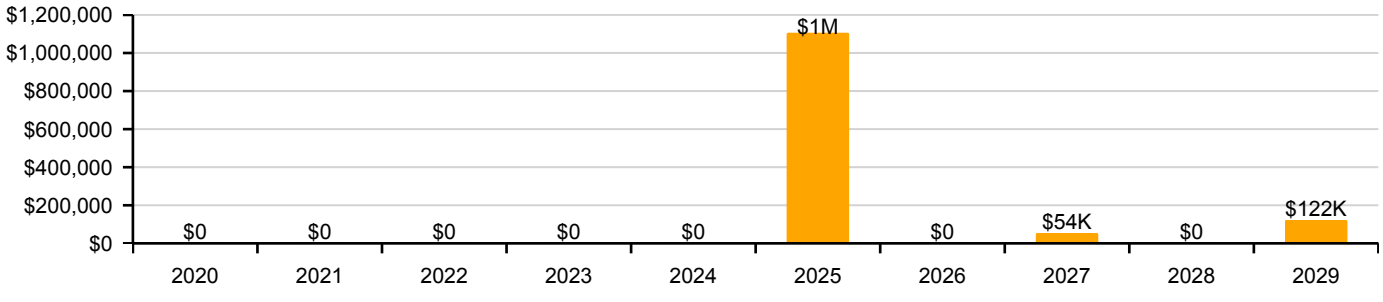
Deficiency By Priority



Deficiency By System



10 Year Investment Forecast



Condition Summary

The Table below shows the RSLI and FCI for each major building system shown at the UNIFORMAT II classification Level 2. Note that Systems with lower FCIs require less investment than systems with higher FCIs.

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
A10 - Foundations	28.00 %	0.00 %	$0.00
A20 - Basement Construction	28.00 %	0.00 %	$0.00
B10 - Superstructure	28.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	16.60 %	44.79 %	$422,139.00
B30 - Roofing	1.74 %	146.74 %	$449,211.00
C10 - Interior Construction	30.59 %	0.00 %	$0.00
C20 - Stairs	28.00 %	0.00 %	$0.00
C30 - Interior Finishes	2.53 %	104.32 %	$662,159.00
D10 - Conveying	0.00 %	110.00 %	$74,455.00
D20 - Plumbing	25.27 %	23.79 %	$94,640.00
D30 - HVAC	76.76 %	2.01 %	$26,851.00
D40 - Fire Protection	9.58 %	95.11 %	$196,763.00
D50 - Electrical	17.75 %	44.93 %	$343,786.00
E10 - Equipment	0.00 %	110.00 %	$38,737.00
E20 - Furnishings	0.00 %	110.00 %	$84,956.00
Totals:	**29.78 %**	**31.38 %**	**$2,393,697.00**

Photo Album

The photo album consists of the various cardinal compass directions of the building..

1). Southwest Elevation - Nov 18, 2019

2). Southeast Elevation - Nov 18, 2019

Condition Detail

This section of the report contains results of the Facility Condition Assessment. The building is separated into system components based on UNIFORMAT II. The columns in the System Listing table represent the following:

1. System Code: A code that identifies the system.
2. System Description: A brief description of a system present in the building.
3. Unit Price $: The unit price of the system.
4. UoM: The unit of measure of the system.
5. Qty: The quantity for the system
6. Life: Building Owners and Managers Association (BOMA) recommended system design life.
7. Year Installed: The date of system installation.
8. Calc Next Renewal Year: The date of system expiration based on the life, NR stands for non renewable.
9. Next Renewal Year: The suggested system expiration date by the assessor based on visual inspection.
10. RSLI: The Remaining Service Life Index of the system.
11. FCI: The Facility Condition Index of the system.
12. RSL: Remaining Service Life in years.
13. eCR: eCOMET Condition Rating (not used in this assessment)
14. Deficiency $: The financial investment to repair/replace system to address deficiency.
15. Replacement Value $: The replacement cost of the system as new construction.

System Listing

The System Listing table below lists each of the systems organized by their UNIFORMAT II classification. The assessment team was tasked with recording the most recent replacement year of each system, determining the remaining service life based on the theoretical life, and evaluating the condition to confirm the forecast next replacement year. The system listing is the basis for all data contained in the Building Assessment Report.

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
A1010	Standard Foundations	$8.68	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$347,348
A1020	Special Foundations	$0.40	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$16,007
A1030	Slab on Grade	$7.34	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$293,725
A2010	Basement Excavation	$0.22	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$8,804
A2020	Basement Walls	$2.72	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$108,846
B1010	Floor Construction	$22.62	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$905,185
B1020	Roof Construction	$14.62	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$585,049
B2010	Exterior Walls	$13.96	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$558,637
B2020	Exterior Windows	$8.72	S.F.	40,017	30	1947	1977		0.00 %	110.00 %	-42		$383,843.00	$348,948
B2030	Exterior Doors	$0.87	S.F.	40,017	30	1947	1977		0.00 %	110.00 %	-42		$38,296.00	$34,815
B3010105	Built-Up	$7.15	S.F.	40,017	25	1993	2018		0.00 %	157.00 %	-1		$449,211.00	$286,122
B3020	Roof Openings	$0.50	S.F.	40,017	30	1997	2027		26.67 %	0.00 %	8			$20,009
C1010	Partitions	$5.65	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$226,096
C1020	Interior Doors	$3.69	S.F.	40,017	40	1993	2033		35.00 %	0.00 %	14			$147,663
C1030	Fittings	$2.69	S.F.	40,017	20	2005	2025		30.00 %	0.00 %	6			$107,646
C2010	Stair Construction	$2.86	S.F.	40,017	100	1947	2047		28.00 %	0.00 %	28			$114,449
C3010220	Tile	$9.25	S.F.	2,000	30	1947	1977		0.00 %	150.00 %	-42		$27,750.00	$18,500
C3010230	Paint & Covering	$1.47	S.F.	38,017	10	1947	1957		0.00 %	0.00 %	-62			$55,885
C3020420	Ceramic Tile	$16.74	S.F.	2,000	50	1993	2043		48.00 %	0.00 %	24			$33,480
C3020901	Carpet	$7.50	S.F.	2,000	8	1993	2001		0.00 %	110.00 %	-18		$16,500.00	$15,000
C3020903	VCT	$3.48	S.F.	35,017	15	1993	2008		0.00 %	155.00 %	-11		$188,882.00	$121,859
C3020999	Other - Rubber or Neoprene	$26.67	S.F.	1,000	10	1993	2003		0.00 %	110.00 %	-16		$29,337.00	$26,670
C3030	Ceiling Finishes	$9.08	S.F.	40,017	20	1993	2013		0.00 %	110.00 %	-6		$399,690.00	$363,354
D1010	Elevators and Lifts	$1.27	S.F.	53,296	20	1995	2015		0.00 %	110.00 %	-4		$74,455.00	$67,686
D2010	Plumbing Fixtures	$6.44	S.F.	40,017	20	2005	2025		30.00 %	0.00 %	6			$257,709
D2020	Domestic Water Distribution	$0.75	S.F.	40,017	30	2005	2035		53.33 %	0.00 %	16			$30,013
D2030	Sanitary Waste	$1.75	S.F.	40,017	30	1947	1977		0.00 %	110.00 %	-42		$77,033.00	$70,030
D2040	Rain Water Drainage	$0.40	S.F.	40,017	20	1947	1967		0.00 %	110.00 %	-52		$17,607.00	$16,007
D2090	Other Plumbing Systems	$0.60	S.F.	40,017	20	2005	2025		30.00 %	0.00 %	6			$24,010
D3010	Energy Supply	$0.61	S.F.	40,017	30	1947	1977		0.00 %	110.00 %	-42		$26,851.00	$24,410
D3020	Heat Generating Systems	$3.66	S.F.	53,296	20	2015	2035		80.00 %	0.00 %	16			$195,063
D3030	Cooling Generating Systems	$6.18	S.F.	53,296	20	2015	2035		80.00 %	0.00 %	16			$329,369

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
D3040	Distribution Systems	$10.75	S.F.	40,017	20	2015	2035		80.00 %	0.00 %	16			$430,183
D3050	Terminal & Package Units	$6.65	S.F.	40,017	15	2015	2030		73.33 %	0.00 %	11			$266,113
D3060	Controls & Instrumentation	$2.21	S.F.	40,017	15	2015	2030		73.33 %	0.00 %	11			$88,438
D4010	Sprinklers	$4.13	S.F.	40,017	30			2019	0.00 %	110.00 %	0		$181,797.00	$165,270
D4020	Standpipes	$0.34	S.F.	40,017	30			2019	0.00 %	110.00 %	0		$14,966.00	$13,606
D4030	Fire Protection Specialties	$0.09	S.F.	40,017	15	2012	2027		53.33 %	0.00 %	8			$3,602
D4090	Other Fire Protection Systems	$0.61	S.F.	40,017	15	2015	2030		73.33 %	0.00 %	11			$24,410
D5010	Electrical Service/Distribution	$2.34	S.F.	40,017	20	1993	2013		0.00 %	110.00 %	-6		$103,004.00	$93,640
D5020	Branch Wiring	$4.52	S.F.	40,017	20	2005	2025		30.00 %	0.00 %	6			$180,877
D5020	Lighting	$6.79	S.F.	40,017	20	2005	2025		30.00 %	0.00 %	6			$271,715
D5030810	Security & Detection Systems	$1.51	S.F.	40,017	20	1947	1967		0.00 %	110.00 %	-52		$66,468.00	$60,426
D5030910	Fire Alarm Systems	$2.74	S.F.	40,017	20	1947	1967		0.00 %	110.00 %	-52		$120,611.00	$109,647
D5090	Other Electrical Systems	$1.22	S.F.	40,017	15			2019	0.00 %	110.00 %	0		$53,703.00	$48,821
E1020	Institutional Equipment	$0.09	S.F.	40,017	20	1993	2013		0.00 %	109.99 %	-6		$3,962.00	$3,602
E1090	Other Equipment	$0.79	S.F.	40,017	20	1993	2013		0.00 %	110.00 %	-6		$34,775.00	$31,613
E2010	Fixed Furnishings	$1.93	S.F.	40,017	20	1993	2013		0.00 %	110.00 %	-6		$84,956.00	$77,233
								Total	**29.78 %**	**31.38 %**			**$2,393,697.00**	**$7,627,590**

System Notes

The facility description in the executive summary contains an overview of each system. The system notes listed below provide additional information on select systems found within the facility.

System: B2010 - Exterior Walls



Note:

System: B2020 - Exterior Windows



Note:

System: B2030 - Exterior Doors



Note:

System: B3010105 - Built-Up



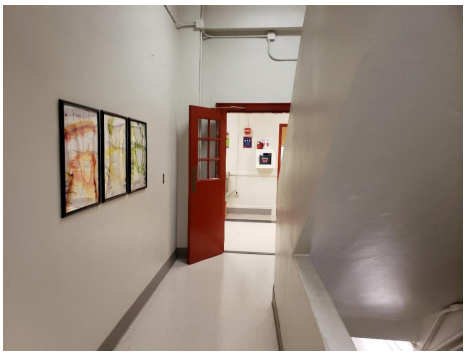
Note:

System: B3020 - Roof Openings



Note:

System: C1010 - Partitions



Note:

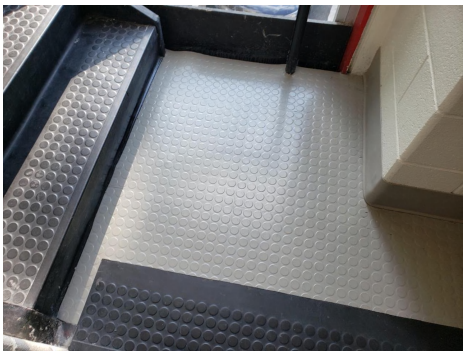
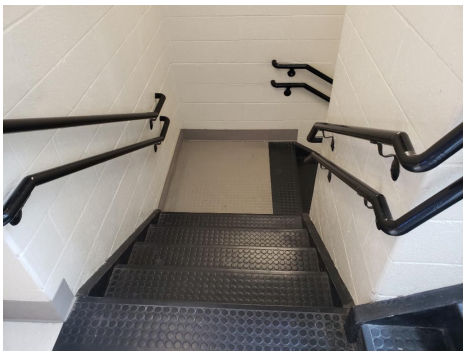
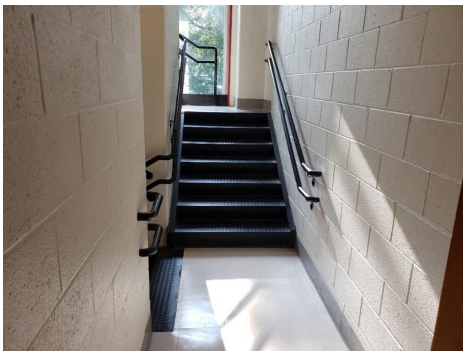
System: C1020 - Interior Doors


Note:

System: C1030 - Fittings

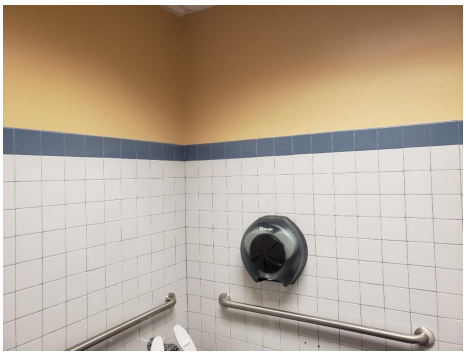

Note:

System: C2010 - Stair Construction

Note:

System: C3010220 - Tile

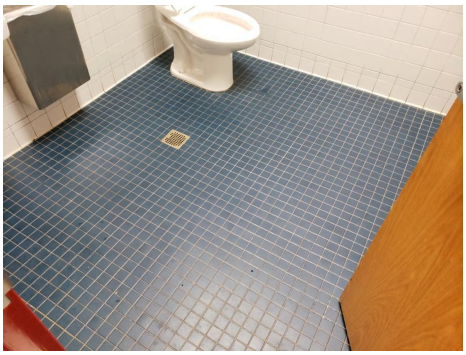
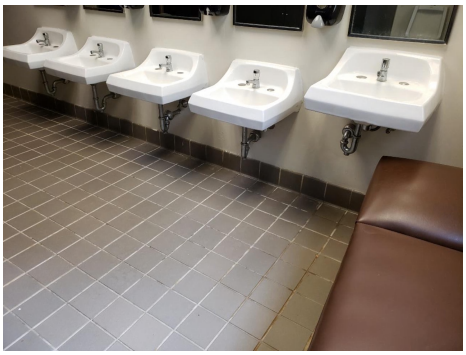
Note:

System: C3010230 - Paint & Covering



Note:

System: C3020420 - Ceramic Tile

Note:

System: C3020901 - Carpet

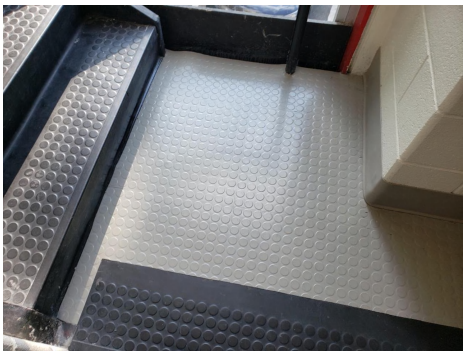


Note:

System: C3020903 - VCT


Note:

System: C3020999 - Other - Rubber or Neoprene

Note:

System: C3030 - Ceiling Finishes

Note:

System: D1010 - Elevators and Lifts

Note: Elevator in Bldg 2010 serves Buildings 2010, 2011, 2012, and 2015.

System: D2010 - Plumbing Fixtures

Note:

System: D2020 - Domestic Water Distribution

Note:

System: D2030 - Sanitary Waste

Note:

System: D2040 - Rain Water Drainage

Note:

System: D3020 - Heat Generating Systems This system contains no images

Note: Heating hot water boilers located in Bldg 2010 Mechanical Room serve Bldg 2015 as well.

System: D3030 - Cooling Generating Systems

Note:

System: D3040 - Distribution Systems

Note:

System: D3050 - Terminal & Package Units

Note:

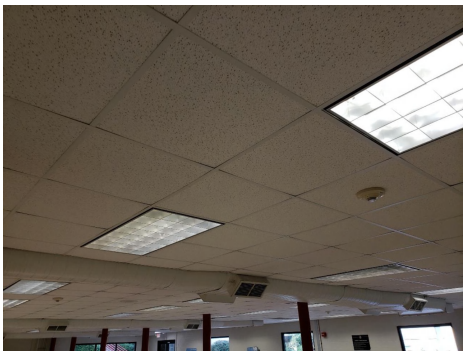
System: D3060 - Controls & Instrumentation

Note:

System: D5020 - Branch Wiring

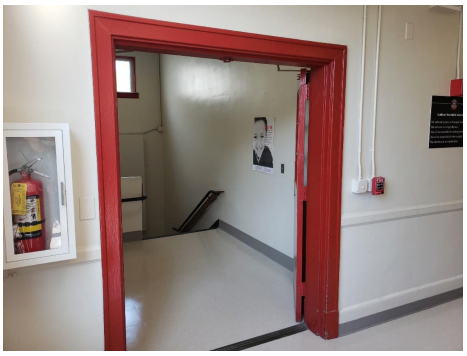
Note:

System: D5020 - Lighting



Note:

System: D5030910 - Fire Alarm Systems




Note:

System: E1020 - Institutional Equipment


Note:

System: E2010 - Fixed Furnishings



Note:

Renewal Schedule

eCOMET forecasts future Capital Renewal projects for expiring systems based on the Calculated Next Renewal year found in the System Listing table. There is a 3% yearly inflation factor applied to the system costs expiring in the future. The table below reflects Capital Renewal projects over the next 10 years. Note: Blank cells (or $0) indicate no systems are scheduled for renewal in that year.

Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:	**$2,393,697**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,105,875**	**$0**	**$53,801**	**$0**	**$122,041**	**$3,675,414**
*** A - Substructure**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A10 - Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1010 - Standard Foundations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1020 - Special Foundations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1030 - Slab on Grade	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A20 - Basement Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A2010 - Basement Excavation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A2020 - Basement Walls	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B - Shell	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B10 - Superstructure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B1010 - Floor Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B1020 - Roof Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B20 - Exterior Enclosure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B2010 - Exterior Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2020 - Exterior Windows	$383,843	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$383,843**
B2030 - Exterior Doors	$38,296	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$38,296**
B30 - Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010105 - Built-Up	$449,211	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$449,211**
B3020 - Roof Openings	$0	$0	$0	$0	$0	$0	$0	$0	$27,880	$0	$0	**$27,880**
C - Interiors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C10 - Interior Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1010 - Partitions	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1020 - Interior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1030 - Fittings	$0	$0	$0	$0	$0	$0	$141,388	$0	$0	$0	$0	**$141,388**

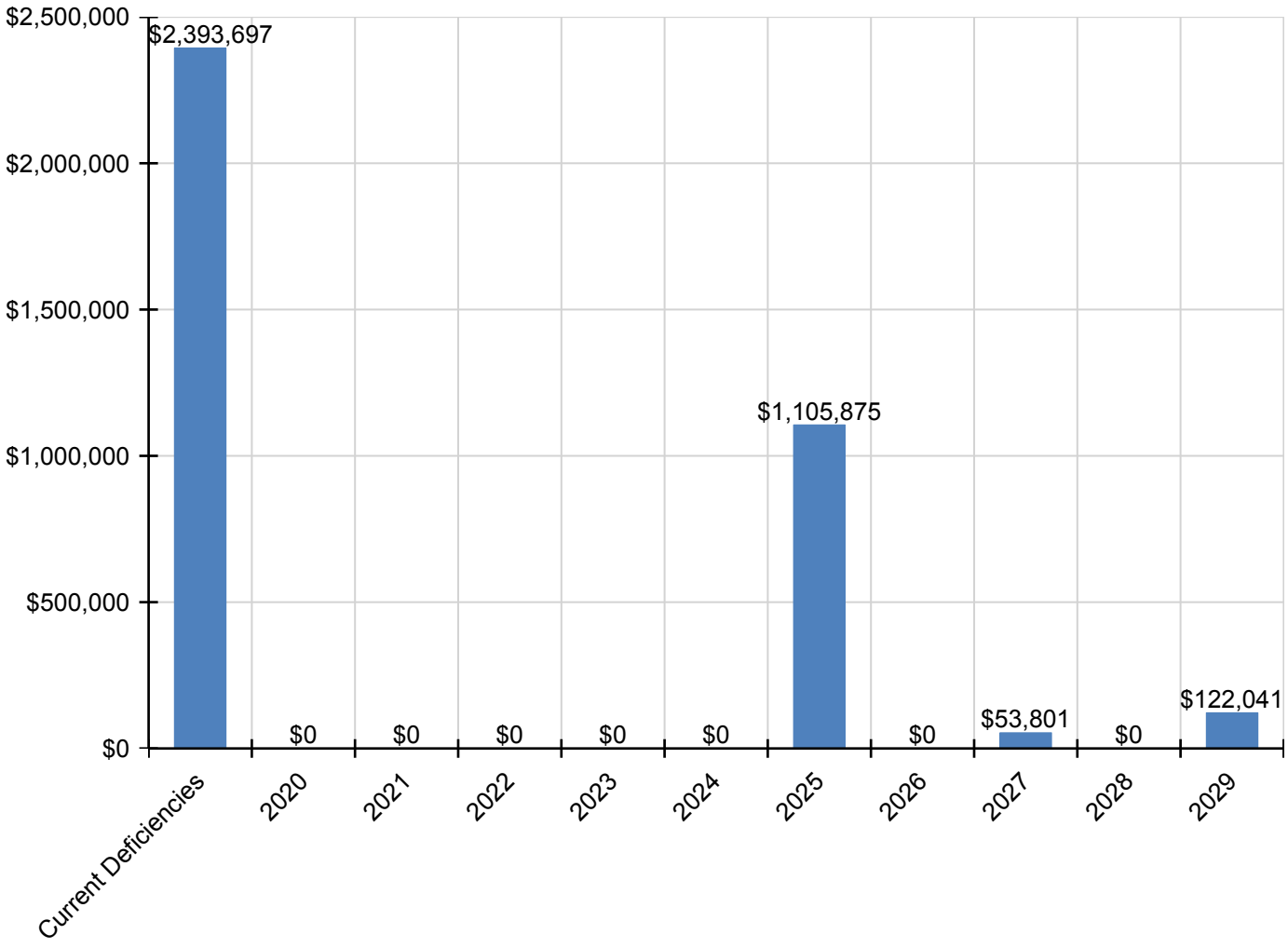
System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
C20 - Stairs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** C2010 - Stair Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C30 - Interior Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010220 - Tile	$27,750	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$27,750**
C3010230 - Paint & Covering	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$82,615	**$82,615**
C3020 - Floor Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020420 - Ceramic Tile	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020901 - Carpet	$16,500	$0	$0	$0	$0	$0	$0	$0	$20,902	$0	$0	**$37,402**
C3020903 - VCT	$188,882	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$188,882**
C3020999 - Other - Rubber or Neoprene	$29,337	$0	$0	$0	$0	$0	$0	$0	$0	$0	$39,426	**$68,763**
C3030 - Ceiling Finishes	$399,690	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$399,690**
D - Services	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D10 - Conveying	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D1010 - Elevators and Lifts	$74,455	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$74,455**
D20 - Plumbing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D2010 - Plumbing Fixtures	$0	$0	$0	$0	$0	$0	$338,490	$0	$0	$0	$0	**$338,490**
D2020 - Domestic Water Distribution	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D2030 - Sanitary Waste	$77,033	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$77,033**
D2040 - Rain Water Drainage	$17,607	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$17,607**
D2090 - Other Plumbing Systems	$0	$0	$0	$0	$0	$0	$31,536	$0	$0	$0	$0	**$31,536**
D30 - HVAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3010 - Energy Supply	$26,851	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$26,851**
D3020 - Heat Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3030 - Cooling Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3040 - Distribution Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3050 - Terminal & Package Units	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3060 - Controls & Instrumentation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D40 - Fire Protection	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D4010 - Sprinklers	$181,797	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$181,797**
D4020 - Standpipes	$14,966	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$14,966**
D4030 - Fire Protection Specialties	$0	$0	$0	$0	$0	$0	$0	$0	$5,019	$0	$0	**$5,019**

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
D4090 - Other Fire Protection Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D50 - Electrical	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5010 - Electrical Service/Distribution	$103,004	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$103,004**
D5020 - Branch Wiring	$0	$0	$0	$0	$0	$0	$237,575	$0	$0	$0	$0	**$237,575**
D5020 - Lighting	$0	$0	$0	$0	$0	$0	$356,887	$0	$0	$0	$0	**$356,887**
D5030 - Communications and Security	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5030810 - Security & Detection Systems	$66,468	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$66,468**
D5030910 - Fire Alarm Systems	$120,611	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$120,611**
D5090 - Other Electrical Systems	$53,703	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$53,703**
E - Equipment & Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E10 - Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1020 - Institutional Equipment	$3,962	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$3,962**
E1090 - Other Equipment	$34,775	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$34,775**
E20 - Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E2010 - Fixed Furnishings	$84,956	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$84,956**

** Indicates non-renewable system*

Forecasted Capital Renewal Requirement

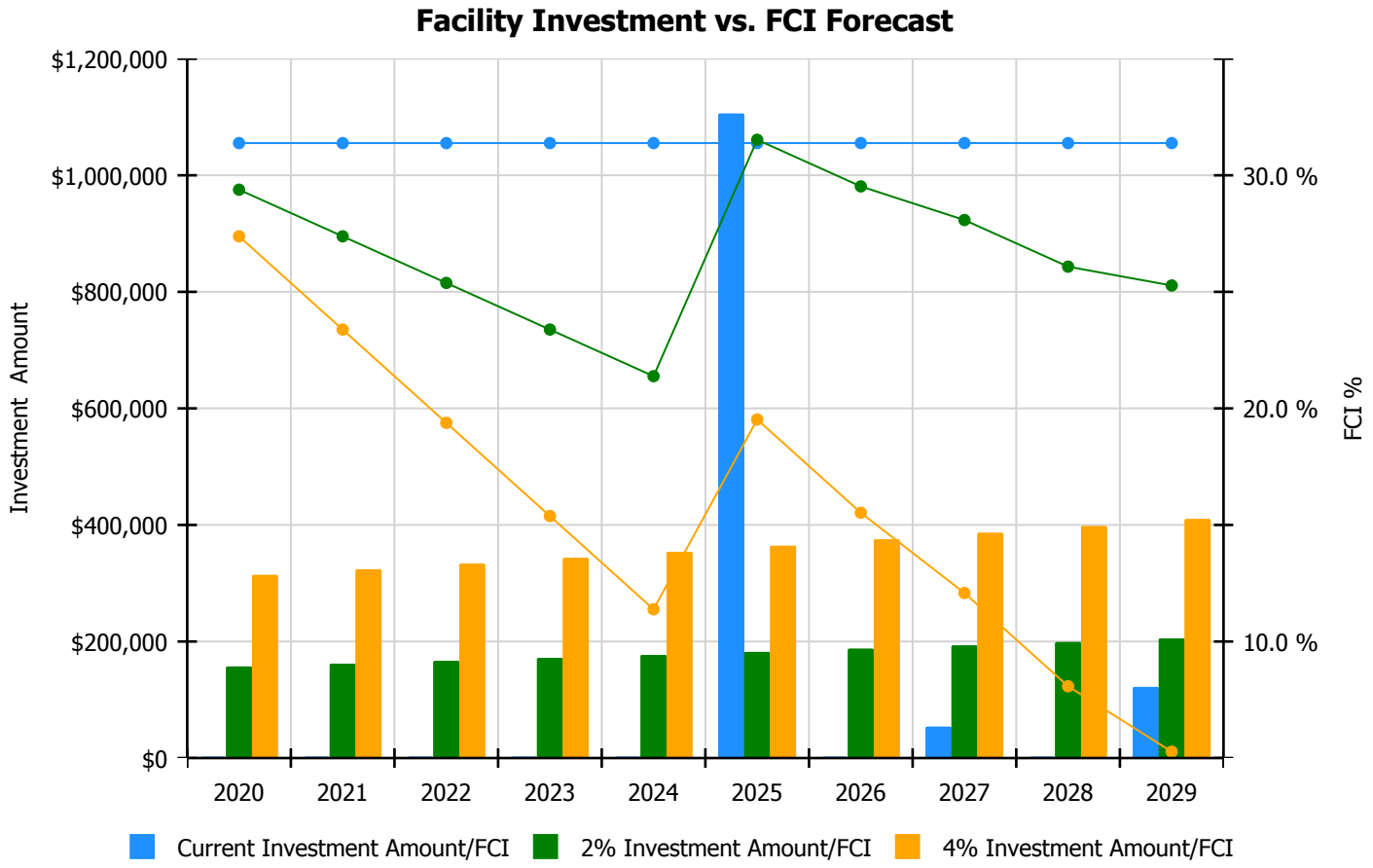
The following chart shows the current building deficiencies and forecasted capital renewal (sustainment) requirements over the next ten years.



Condition Index Forecast by Investment Scenario

The chart below illustrates the effect of various investment levels on the building FCI for the next 10 years. The levels of investment shown below include:

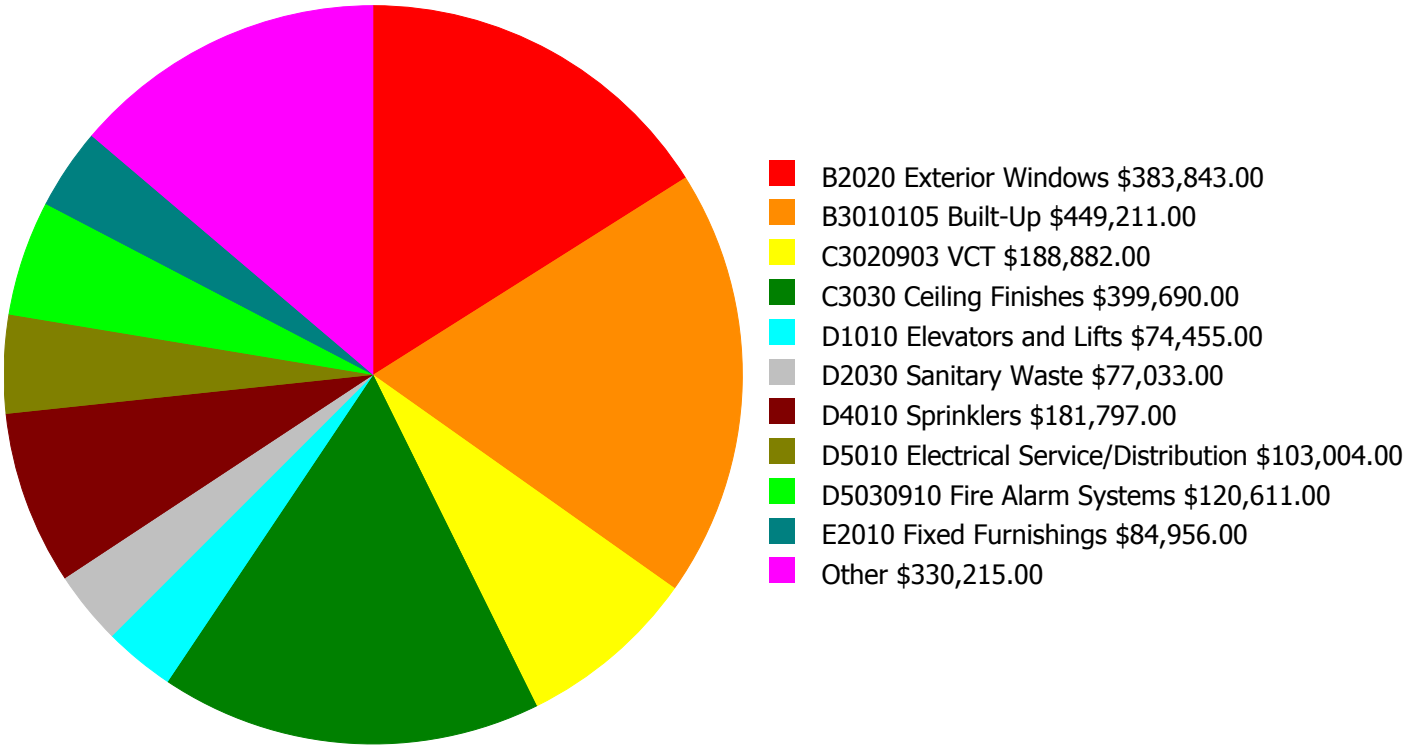
- Current FCI: a variable investment amount based on renewing expired systems to maintain the current FCI for the building
- 2% Investment: an annual investment of 2% of the replacement value of the building, escalated for inflation
- 4% Investment: an annual investment of 4% of the replacement value of the building, escalated for inflation



Year	Investment Amount Current FCI - 31.38%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	$0	$157,128.00	29.38 %	$314,257.00	27.38 %
2021	$0	$161,842.00	27.38 %	$323,684.00	23.38 %
2022	$0	$166,697.00	25.38 %	$333,395.00	19.38 %
2023	$0	$171,698.00	23.38 %	$343,397.00	15.38 %
2024	$0	$176,849.00	21.38 %	$353,699.00	11.38 %
2025	$1,105,875	$182,155.00	31.52 %	$364,310.00	19.52 %
2026	$0	$187,619.00	29.52 %	$375,239.00	15.52 %
2027	$53,801	$193,248.00	28.08 %	$386,496.00	12.08 %
2028	$0	$199,045.00	26.08 %	$398,091.00	8.08 %
2029	$122,041	$205,017.00	25.27 %	$410,034.00	5.27 %
Total:	**$1,281,717**	**$1,801,298.00**		**$3,602,602.00**	

Deficiency Summary by System

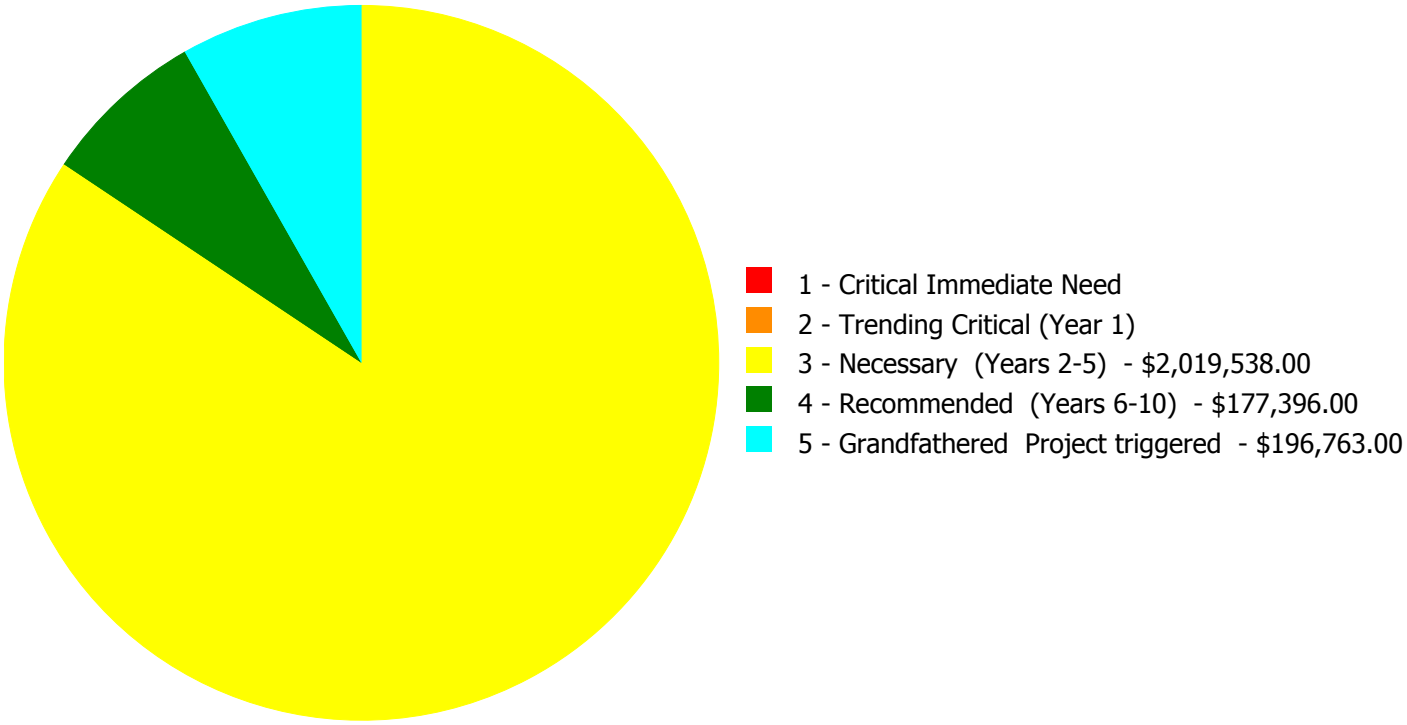
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart lists all current deficiencies associated with this facility.



Budget Estimate Total: $2,393,697.00

Deficiency Summary by Priority

The following chart shows the total repair costs broken down by priority. Assessors assigned deficiencies within eCOMET to one of the following priority categories:



Budget Estimate Total: $2,393,697.00

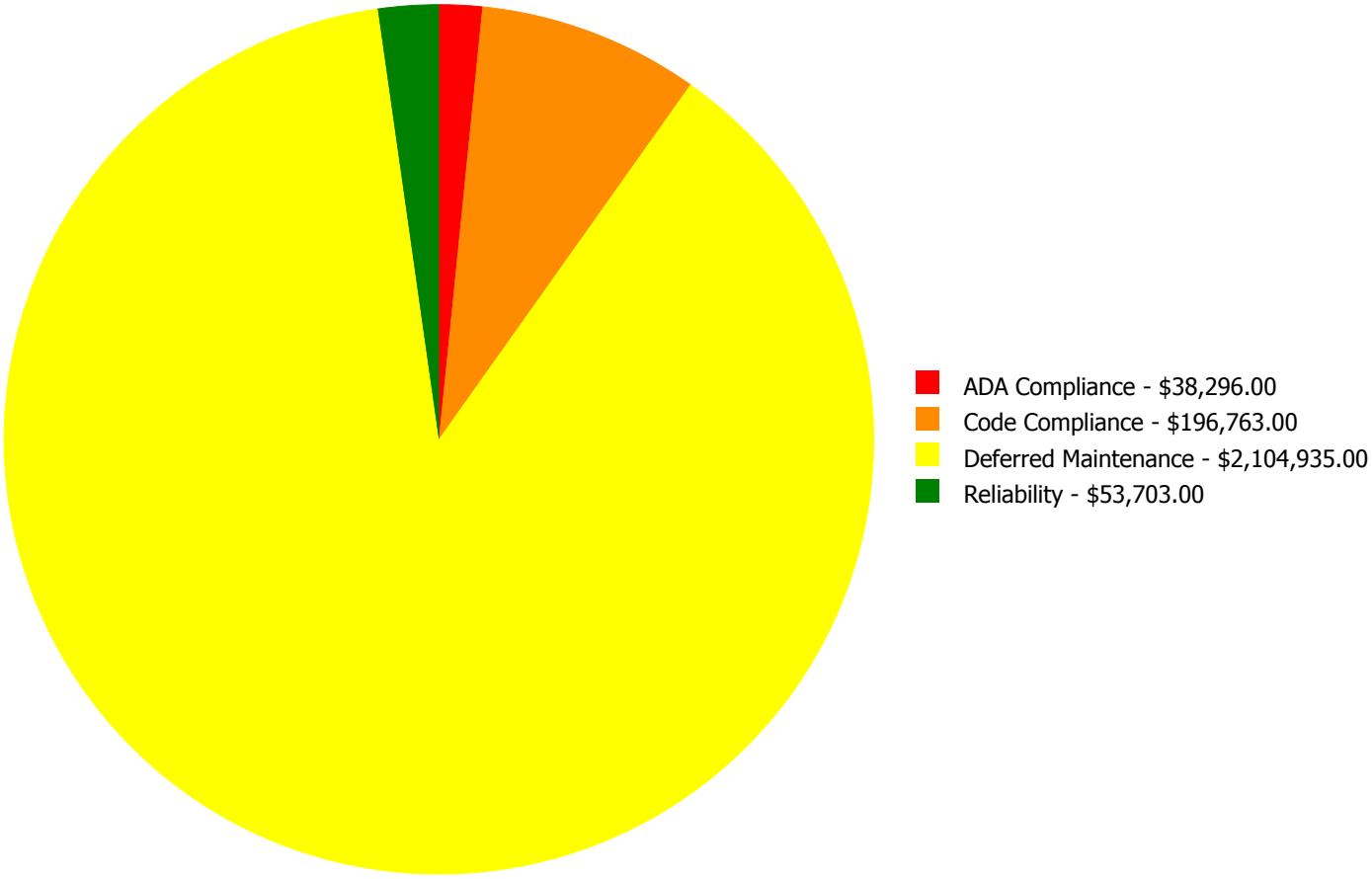
Deficiency By Priority Investment Table

The table below shows the current investment cost grouped by deficiency priority and building system.

System Code	System Description	1 - Critical Immediate Need	2 - Trending Critical (Year 1)	3 - Necessary (Years 2-5)	4 - Recommended (Years 6-10)	5 - Grandfathered Project triggered	Total
B2020	Exterior Windows	$0.00	$0.00	$383,843.00	$0.00	$0.00	$383,843.00
B2030	Exterior Doors	$0.00	$0.00	$38,296.00	$0.00	$0.00	$38,296.00
B3010105	Built-Up	$0.00	$0.00	$449,211.00	$0.00	$0.00	$449,211.00
C3010220	Tile	$0.00	$0.00	$27,750.00	$0.00	$0.00	$27,750.00
C3020901	Carpet	$0.00	$0.00	$16,500.00	$0.00	$0.00	$16,500.00
C3020903	VCT	$0.00	$0.00	$188,882.00	$0.00	$0.00	$188,882.00
C3020999	Other - Rubber or Neoprene	$0.00	$0.00	$29,337.00	$0.00	$0.00	$29,337.00
C3030	Ceiling Finishes	$0.00	$0.00	$399,690.00	$0.00	$0.00	$399,690.00
D1010	Elevators and Lifts	$0.00	$0.00	$74,455.00	$0.00	$0.00	$74,455.00
D2030	Sanitary Waste	$0.00	$0.00	$77,033.00	$0.00	$0.00	$77,033.00
D2040	Rain Water Drainage	$0.00	$0.00	$17,607.00	$0.00	$0.00	$17,607.00
D3010	Energy Supply	$0.00	$0.00	$26,851.00	$0.00	$0.00	$26,851.00
D4010	Sprinklers	$0.00	$0.00	$0.00	$0.00	$181,797.00	$181,797.00
D4020	Standpipes	$0.00	$0.00	$0.00	$0.00	$14,966.00	$14,966.00
D5010	Electrical Service/Distribution	$0.00	$0.00	$103,004.00	$0.00	$0.00	$103,004.00
D5030810	Security & Detection Systems	$0.00	$0.00	$66,468.00	$0.00	$0.00	$66,468.00
D5030910	Fire Alarm Systems	$0.00	$0.00	$120,611.00	$0.00	$0.00	$120,611.00
D5090	Other Electrical Systems	$0.00	$0.00	$0.00	$53,703.00	$0.00	$53,703.00
E1020	Institutional Equipment	$0.00	$0.00	$0.00	$3,962.00	$0.00	$3,962.00
E1090	Other Equipment	$0.00	$0.00	$0.00	$34,775.00	$0.00	$34,775.00
E2010	Fixed Furnishings	$0.00	$0.00	$0.00	$84,956.00	$0.00	$84,956.00
	Total:	$0.00	$0.00	$2,019,538.00	$177,396.00	$196,763.00	$2,393,697.00

Deficiency Summary by Category

The following chart shows the total repair costs broken down by deficiency categories. Assessors assigned deficiencies to one of the following categories:



Budget Estimate Total: $2,393,697.00

Deficiency Details by Priority

The deficiency detail notes listed below provide additional information on identified deficiencies found within the facility.

Priority 3 - Necessary (Years 2-5):

System: B2020 - Exterior Windows

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $383,843.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: The exterior windows are original to the construction of this building. The system has exceeded the expected life cycle and is recommended for replacement.

System: B2030 - Exterior Doors

Location: Throughout Building
Distress: Beyond Expected Life
Category: ADA Compliance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $38,296.00
Assessor Name: Hayden Collins
Date Created: 08/16/2013

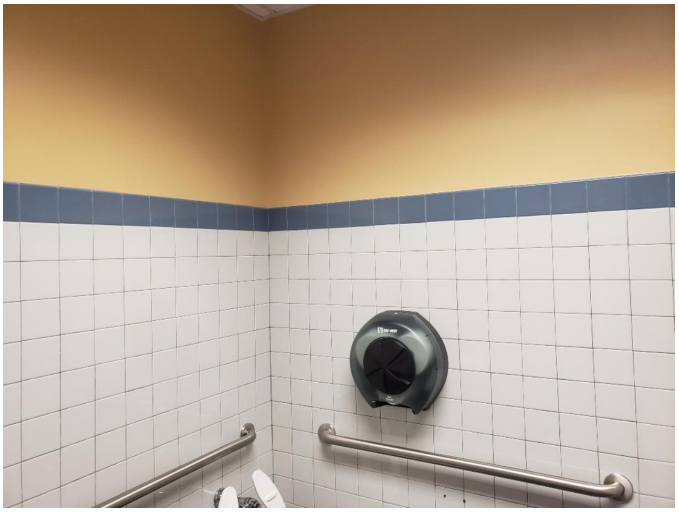
Notes: The glazed metal exterior doors are original to the building's construction with few exceptions. The door system is beyond its expected life cycle, worn and damaged, and should be replaced and upgraded.

System: B3010105 - Built-Up

Location: Roof
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $449,211.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The roofing system is a built up system that was reported to be original to the buildings construction. This system has exceeded its expected life cycle and is recommended for replacement.

System: C3010220 - Tile



Location: Restrooms
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 2,000.00
Unit of Measure: S.F.
Estimate: $27,750.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The Tile finish is beyond its expected service life, worn and damaged, and is recommended for replacement.

System: C3020901 - Carpet

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 2,000.00
Unit of Measure: S.F.
Estimate: $16,500.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

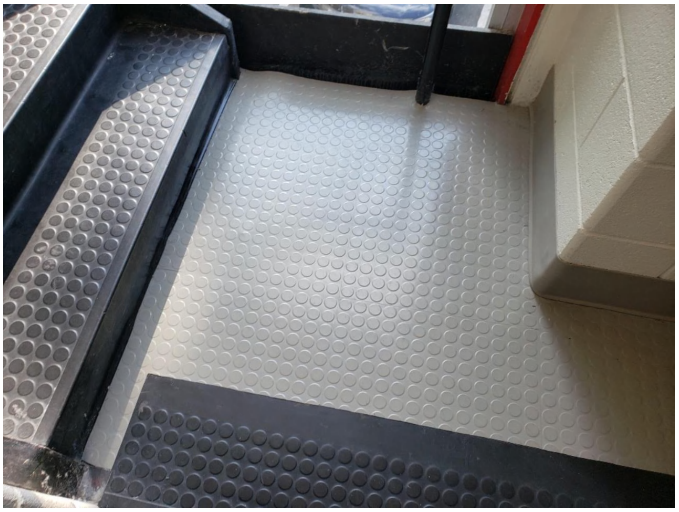
Notes: The carpet floor finish is beyond its expected service life, worn and damaged, and is recommended for replacement.

System: C3020903 - VCT

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 35,017.00
Unit of Measure: S.F.
Estimate: $188,882.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The VCT floor finish is beyond its expected service life, worn and damaged, and is recommended for replacement.

System: C3020999 - Other - Rubber or Neoprene



Location: Stairs
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 1,000.00
Unit of Measure: S.F.
Estimate: $29,337.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The rubber or neoprene floor finish is beyond its expected service life, worn and damaged, and is recommended for replacement.

System: C3030 - Ceiling Finishes

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $399,690.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: The acoustic ceilings are aged and stained and should be scheduled for replacement.

System: D1010 - Elevators and Lifts

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 53,296.00
Unit of Measure: S.F.
Estimate: $74,455.00
Assessor Name: Jejuan Hall
Date Created: 09/17/2015

Notes: The elevator system has exceeded its life cycle and recommended for upgrade. All aspects of the current ADA standards are expected to be included in the new installation.

System: D2030 - Sanitary Waste

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $77,033.00
Assessor Name: Jejuan Hall
Date Created: 02/22/2020

Notes: Sanitary waste system is beyond its expected life and nees to be upgraded or replaced.

System: D2040 - Rain Water Drainage

Location: 1947_1949_1953_1968 Bldg 2010_2011_2012_2013
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $17,607.00
Assessor Name: Jejuan Hall
Date Created: 02/22/2020

Notes:

System: D3010 - Energy Supply

This deficiency has no image.

Location: Site
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $26,851.00
Assessor Name: Jejuan Hall
Date Created: 01/31/2020

Notes:

System: D5010 - Electrical Service/Distribution

This deficiency has no image.

Location: Electrical Room
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $103,004.00
Assessor Name: Jejuan Hall
Date Created: 08/13/2014

Notes: The electrical services and distribution systems consist of a service disconnect, primary main, breaker system, switch box and conduit and wiring to equipment, interior and exterior lights. This system is a mix of the old and new. Some of the system was recently upgraded, however a majority of the system is original from original construction. Upgrades are recommended.

System: D5030810 - Security & Detection Systems

This deficiency has no image.

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $66,468.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The Security and Detection Systems has exceeded its expected life cycle and is recommended for upgrade.

System: D5030910 - Fire Alarm Systems

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $120,611.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The Fire Alarm Systems has exceeded its expected life cycle and is recommended for upgrade.

Priority 4 - Recommended (Years 6-10):

System: D5090 - Other Electrical Systems

This deficiency has no image.

Location: Site
Distress: Missing
Category: Reliability
Priority: 4 - Recommended (Years 6-10)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $53,703.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: No Emergency Generator installed, client requested standard.

System: E1020 - Institutional Equipment

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 4 - Recommended (Years 6-10)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $3,962.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: The Institutional Equipment systems are beyond the expected life for this application and upgrades are warranted.

System: E1090 - Other Equipment

Location: Kitchen
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 4 - Recommended (Years 6-10)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $34,775.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: The Food Service Equipment appears to be from the older construction of the school. The equipment is well maintained however is showing signs of age related to a high level of usage. This deficiency provides a budgetary consideration for a universal upgrade to these systems.

System: E2010 - Fixed Furnishings

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 4 - Recommended (Years 6-10)
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $84,956.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: Fixed furnishings are aged, worn and damaged, and should be scheduled for replacement.

Priority 5 - Grandfathered Project triggered:

System: D4010 - Sprinklers

This deficiency has no image.

Location: Throughout Building
Distress: Missing
Category: Code Compliance
Priority: 5 - Grandfathered Project triggered
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $181,797.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: No sprinkler system installed, client requested standard.

System: D4020 - Standpipes

This deficiency has no image.

Location: Mechanical Rooms
Distress: Missing
Category: Code Compliance
Priority: 5 - Grandfathered Project triggered
Correction: Renew System
Qty: 40,017.00
Unit of Measure: S.F.
Estimate: $14,966.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: No sprinkler system installed, client requested standard.

Executive Summary

The condition of a Campus is the accumulation of the condition evaluations of the component buildings and the site. Building condition is evaluated based on the functional systems and elements of a building and organized according to the **UNIFORMAT II Elemental Classification**. eCOMET uses parametric estimating methodology whereby historical costs for systems, components and equipment are collected by entities such as RSMeans and converted to unit costs, typically $/SF, and used to approximate future construction costs or replacement values. The grouping of these systems and elements and applying a current replacement value to them develops a representative building cost model. Cost Models are developed for similar building types and functions. Systems and their elements are evaluated based on their current replacement values, life cycles, installation dates and next renewal dates. Systems and their elements that are within their useful lives are further evaluated to identify current deficient conditions that may have a significant impact on a system's or element's remaining service life, and to determine if they are beyond their predicted expected life. The system's or element's current replacement value is based on RS Means Commercial Cost Data.

Following are the cost model's system details for this facility. The **Current Replacement Value (CRV)** is the amount needed to replace the property of the same present scope. The **Repair Cost** (the sum of the cost to repair/replace the Deficiencies) represents the budgeted contractor-installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging of the work. **Facility Condition Index (FCI)** is an industry-standard measurement of facility condition calculated as the ratio of the costs to correct a facility's deficiencies (Condition Needs) to the facility's Current Replacement Value. It ranges from 0% (new) to 100% (very poor - beyond service life). The **Remaining Service Life Index (RSLI)** is calculated as the sum of a renewable system's **Remaining Service Life (RSL)** divided by the sum of a system's Replacement Value (both values exclude soft-cost to simplify calculation updates) expressed as a percentage ranging from 100% (new) to 0% (expired). The relationship between the key metrics FCI and RSLI is an important indicator, at either the facility, building, system, or component levels, of the condition trend and the imminent need for capital renewal. These indices exist in an inverse relationship wherein the FCI increases when systems reach their expected life-cycle age, whereas the RSLI decreases annually indicating the relative time remaining before reaching the life-cycle expiration age. For example, a facility or a system with a high RSLI and a low FCI indicates it is in the early portion of its useful life. However, a low RSLI indicates that expiration dates are approaching at which point the FCI would increase. The term **FCA Score** is the inverse of Total FCI and calculated as 100-Total FCI (without the %) where 100 is best and 0 is worst condition.

Function:	Elementary
Gross Area (SF):	23,376
Year Built:	1993
Last Renovation:	
Replacement Value:	$4,923,189
Repair Cost:	$1,040,979.00
Total FCI:	21.14 %
Total RSLI:	51.99 %
FCA Score:	78.86

Description:

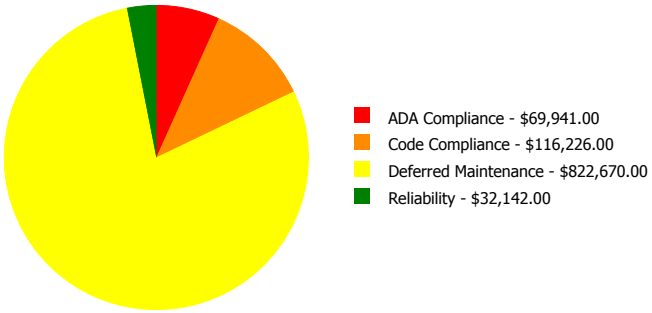
The narrative for this building is included in the Executive Summary Description at the front of this report.

Attributes: This asset has no attributes.

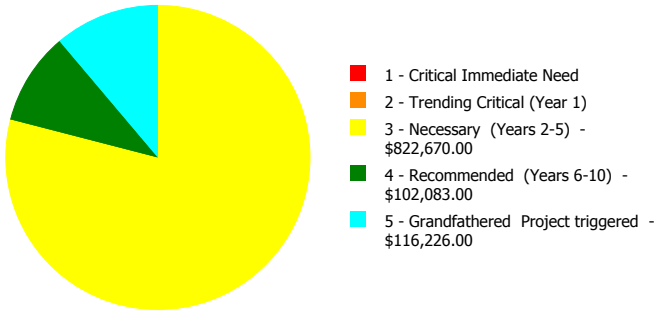
Dashboard Summary

Function:	Elementary	Gross Area:	23,376
Year Built:	1993	Last Renovation:	
Repair Cost:	$1,040,979	Replacement Value:	$4,923,189
FCI:	21.14 %	RSLI%:	51.99 %

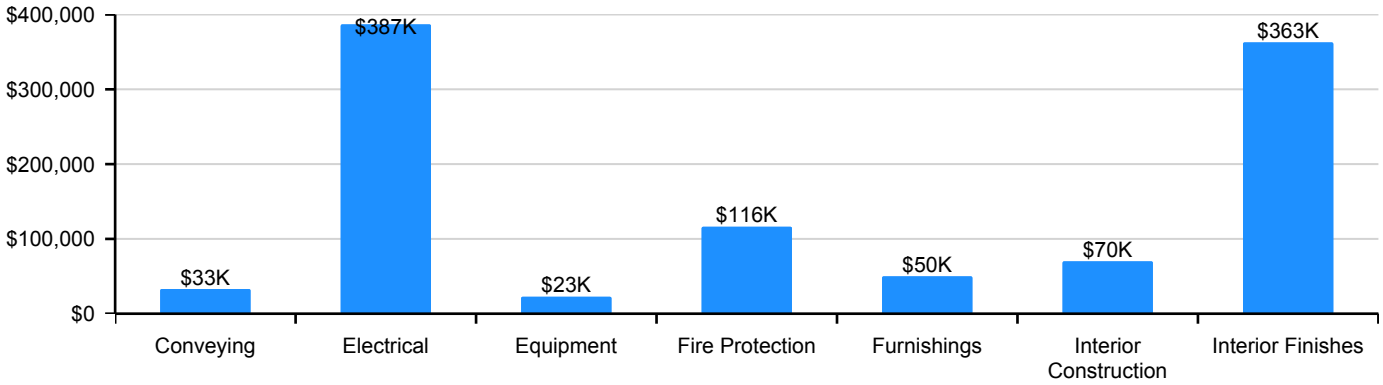
Deficiency By Category



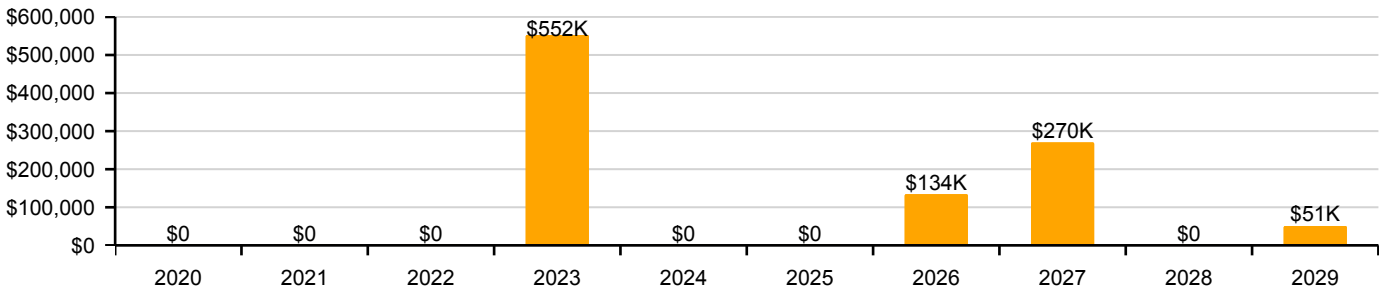
Deficiency By Priority



Deficiency By System



10 Year Investment Forecast



Condition Summary

The Table below shows the RSLI and FCI for each major building system shown at the UNIFORMAT II classification Level 2. Note that Systems with lower FCIs require less investment than systems with higher FCIs.

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
A10 - Foundations	74.00 %	0.00 %	$0.00
A20 - Basement Construction	74.00 %	0.00 %	$0.00
B10 - Superstructure	74.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	49.31 %	0.00 %	$0.00
B30 - Roofing	26.67 %	0.00 %	$0.00
C10 - Interior Construction	45.49 %	24.54 %	$69,941.00
C20 - Stairs	74.00 %	0.00 %	$0.00
C30 - Interior Finishes	0.00 %	109.64 %	$362,655.00
D10 - Conveying	0.00 %	110.00 %	$32,913.00
D20 - Plumbing	18.23 %	0.00 %	$0.00
D30 - HVAC	77.69 %	0.00 %	$0.00
D40 - Fire Protection	1.04 %	107.85 %	$116,226.00
D50 - Electrical	13.99 %	72.40 %	$386,732.00
E10 - Equipment	0.00 %	110.00 %	$22,628.00
E20 - Furnishings	0.00 %	110.00 %	$49,884.00
Totals:	**51.99 %**	**21.14 %**	**$1,040,979.00**

Photo Album

The photo album consists of the various cardinal compass directions of the building..

1). Northwest Elevation - Nov 18, 2019

2). Southwest Elevation - Nov 18, 2019

3). Northwest Elevation - Nov 18, 2019

4). Northwest Elevation - Nov 18, 2019

Condition Detail

This section of the report contains results of the Facility Condition Assessment. The building is separated into system components based on UNIFORMAT II. The columns in the System Listing table represent the following:

1. System Code: A code that identifies the system.
2. System Description: A brief description of a system present in the building.
3. Unit Price $: The unit price of the system.
4. UoM: The unit of measure of the system.
5. Qty: The quantity for the system
6. Life: Building Owners and Managers Association (BOMA) recommended system design life.
7. Year Installed: The date of system installation.
8. Calc Next Renewal Year: The date of system expiration based on the life, NR stands for non renewable.
9. Next Renewal Year: The suggested system expiration date by the assessor based on visual inspection.
10. RSLI: The Remaining Service Life Index of the system.
11. FCI: The Facility Condition Index of the system.
12. RSL: Remaining Service Life in years.
13. eCR: eCOMET Condition Rating (not used in this assessment)
14. Deficiency $: The financial investment to repair/replace system to address deficiency.
15. Replacement Value $: The replacement cost of the system as new construction.

System Listing

The System Listing table below lists each of the systems organized by their UNIFORMAT II classification. The assessment team was tasked with recording the most recent replacement year of each system, determining the remaining service life based on the theoretical life, and evaluating the condition to confirm the forecast next replacement year. The system listing is the basis for all data contained in the Building Assessment Report.

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
A1010	Standard Foundations	$8.78	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$205,241
A1020	Special Foundations	$0.41	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$9,584
A1030	Slab on Grade	$7.41	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$173,216
A2010	Basement Excavation	$0.22	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$5,143
A2020	Basement Walls	$2.77	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$64,752
B1010	Floor Construction	$22.87	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$534,609
B1020	Roof Construction	$14.78	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$345,497
B2010	Exterior Walls	$14.09	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$329,368
B2020	Exterior Windows	$8.80	S.F.	23,376	30	1993	2023		13.33 %	0.00 %	4			$205,709
B2030	Exterior Doors	$0.87	S.F.	23,376	30	1993	2023		13.33 %	0.00 %	4			$20,337
B3010130	Preformed Metal Roofing	$8.50	S.F.	14,789	30	1997	2027		26.67 %	0.00 %	8			$125,707
B3020	Roof Openings	$1.93	S.F.	14,789	30	1997	2027		26.67 %	0.00 %	8			$28,543
C1010	Partitions	$5.72	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$133,711
C1020	Interior Doors	$3.75	S.F.	23,376	40	1993	2033		35.00 %	0.00 %	14			$87,660
C1030	Fittings	$2.72	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$69,941.00	$63,583
C2010	Stair Construction	$2.91	S.F.	23,376	100	1993	2093		74.00 %	0.00 %	74			$68,024
C3010230	Paint & Covering	$1.47	S.F.	23,376	10	1993	2003		0.00 %	0.00 %	-16			$34,363
C3020903	VCT	$3.48	S.F.	23,376	15	1993	2008		0.00 %	155.00 %	-11		$126,090.00	$81,348
C3030	Ceiling Finishes	$9.20	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$236,565.00	$215,059
D1010	Elevators and Lifts	$1.28	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$32,913.00	$29,921
D2010	Plumbing Fixtures	$6.51	S.F.	23,376	20	1993	2013	2023	20.00 %	0.00 %	4			$152,178
D2020	Domestic Water Distribution	$0.75	S.F.	23,376	30	1993	2023		13.33 %	0.00 %	4			$17,532
D2030	Sanitary Waste	$1.75	S.F.	23,376	30	1993	2023		13.33 %	0.00 %	4			$40,908
D2040	Rain Water Drainage	$0.41	S.F.	23,376	20	1993	2013	2023	20.00 %	0.00 %	4			$9,584
D3020	Heat Generating Systems	$3.69	S.F.	23,376	20	2015	2035		80.00 %	0.00 %	16			$86,257
D3030	Cooling Generating Systems	$6.25	S.F.	23,376	20	2015	2035		80.00 %	0.00 %	16			$146,100
D3040	Distribution Systems	$24.52	S.F.	23,376	20	2015	2035		80.00 %	0.00 %	16			$573,180
D3050	Terminal & Package Units	$16.06	S.F.	23,376	15	2015	2030		73.33 %	0.00 %	11			$375,419
D3060	Controls & Instrumentation	$2.26	S.F.	23,376	15	2015	2030		73.33 %	0.00 %	11			$52,830
D4010	Sprinklers	$4.17	S.F.	23,376	30			2019	0.00 %	110.00 %	0		$107,226.00	$97,478
D4020	Standpipes	$0.35	S.F.	23,376	30			2019	0.00 %	110.00 %	0		$9,000.00	$8,182
D4030	Fire Protection Specialties	$0.09	S.F.	23,376	15	2012	2027		53.33 %	0.00 %	8			$2,104

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
D4090	Other Fire Protection Systems	$0.61	S.F.	0	15				0.00 %	0.00 %				$0
D5010	Electrical Service/Distribution	$2.35	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$60,427.00	$54,934
D5020	Branch Wiring	$4.58	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$117,768.00	$107,062
D5020	Lighting	$6.86	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$176,395.00	$160,359
D5030810	Security & Detection Systems	$1.51	S.F.	23,376	20	2006	2026		35.00 %	0.00 %	7			$35,298
D5030910	Fire Alarm Systems	$2.74	S.F.	23,376	20	2006	2026		35.00 %	0.00 %	7			$64,050
D5030920	Data Communication	$3.56	S.F.	23,376	25	2006	2031		48.00 %	0.00 %	12			$83,219
D5090	Other Electrical Systems	$1.25	S.F.	23,376	15			2019	0.00 %	110.00 %	0		$32,142.00	$29,220
E1020	Institutional Equipment	$0.09	S.F.	23,376	20	1993	2013		0.00 %	109.98 %	-6		$2,314.00	$2,104
E1090	Other Equipment	$0.79	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$20,314.00	$18,467
E2010	Fixed Furnishings	$1.94	S.F.	23,376	20	1993	2013		0.00 %	110.00 %	-6		$49,884.00	$45,349
								Total	**51.99 %**	**21.14 %**			**$1,040,979.00**	**$4,923,189**

System Notes

The facility description in the executive summary contains an overview of each system. The system notes listed below provide additional information on select systems found within the facility.

System: B2010 - Exterior Walls



Note:

System: B2020 - Exterior Windows



Note:

System: B2030 - Exterior Doors

Note:

System: B3010130 - Preformed Metal Roofing



Note:

System: C1010 - Partitions



Note:

System: C1020 - Interior Doors


Note:

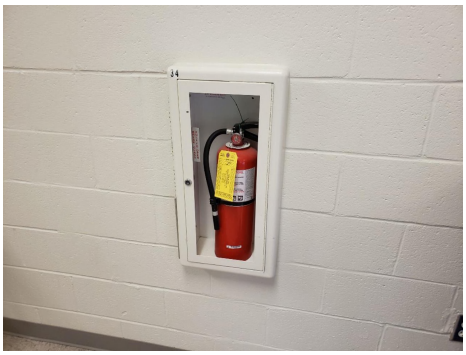
System: C1030 - Fittings

Note:

System: C2010 - Stair Construction

Note:

System: C3010230 - Paint & Covering



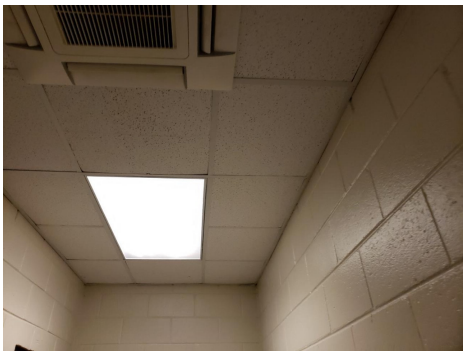
Note:

System: C3020903 - VCT


Note:

System: C3030 - Ceiling Finishes



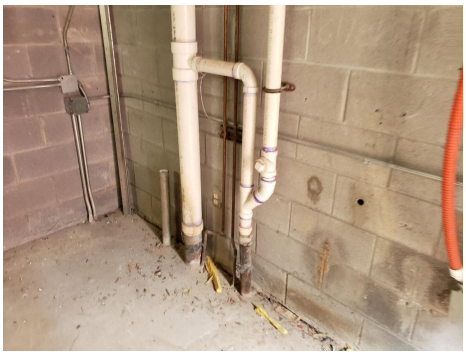


Note:

System: D2010 - Plumbing Fixtures


Note:

System: D2030 - Sanitary Waste



Note:

System: D2040 - Rain Water Drainage

Note:

System: D3020 - Heat Generating Systems

Note:

System: D3030 - Cooling Generating Systems

Note:

System: D3040 - Distribution Systems

Note:

System: D3050 - Terminal & Package Units

Note:

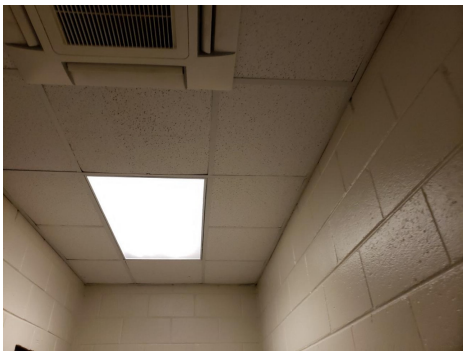
System: D3060 - Controls & Instrumentation

Note:

System: D5020 - Branch Wiring

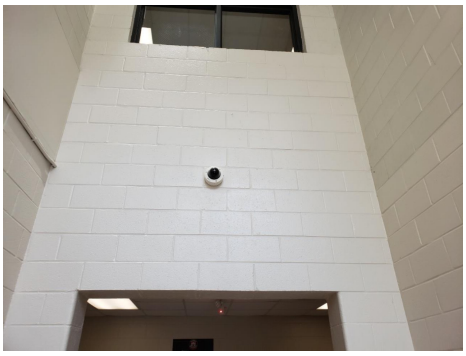
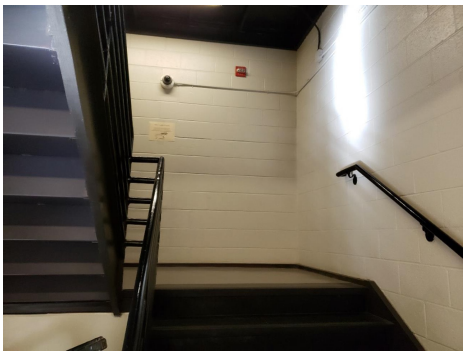
Note:

System: D5020 - Lighting



Note:

System: D5030810 - Security & Detection Systems

Note:

System: D5030910 - Fire Alarm Systems

Note:

System: E1020 - Institutional Equipment

Note:

System: E2010 - Fixed Furnishings

Note:

Renewal Schedule

eCOMET forecasts future Capital Renewal projects for expiring systems based on the Calculated Next Renewal year found in the System Listing table. There is a 3% yearly inflation factor applied to the system costs expiring in the future. The table below reflects Capital Renewal projects over the next 10 years. Note: Blank cells (or $0) indicate no systems are scheduled for renewal in that year.

Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:	**$1,040,979**	**$0**	**$0**	**$0**	**$552,483**	**$0**	**$0**	**$134,404**	**$270,419**	**$0**	**$50,799**	**$2,049,084**
*** A - Substructure**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A10 - Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1010 - Standard Foundations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1020 - Special Foundations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1030 - Slab on Grade	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A20 - Basement Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A2010 - Basement Excavation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A2020 - Basement Walls	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B - Shell	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B10 - Superstructure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B1010 - Floor Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B1020 - Roof Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B20 - Exterior Enclosure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B2010 - Exterior Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2020 - Exterior Windows	$0	$0	$0	$0	$254,680	$0	$0	$0	$0	$0	$0	**$254,680**
B2030 - Exterior Doors	$0	$0	$0	$0	$25,179	$0	$0	$0	$0	$0	$0	**$25,179**
B30 - Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010130 - Preformed Metal Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$227,715	$0	$0	**$227,715**
B3020 - Roof Openings	$0	$0	$0	$0	$0	$0	$0	$0	$39,773	$0	$0	**$39,773**
C - Interiors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C10 - Interior Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1010 - Partitions	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1020 - Interior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1030 - Fittings	$69,941	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$69,941**

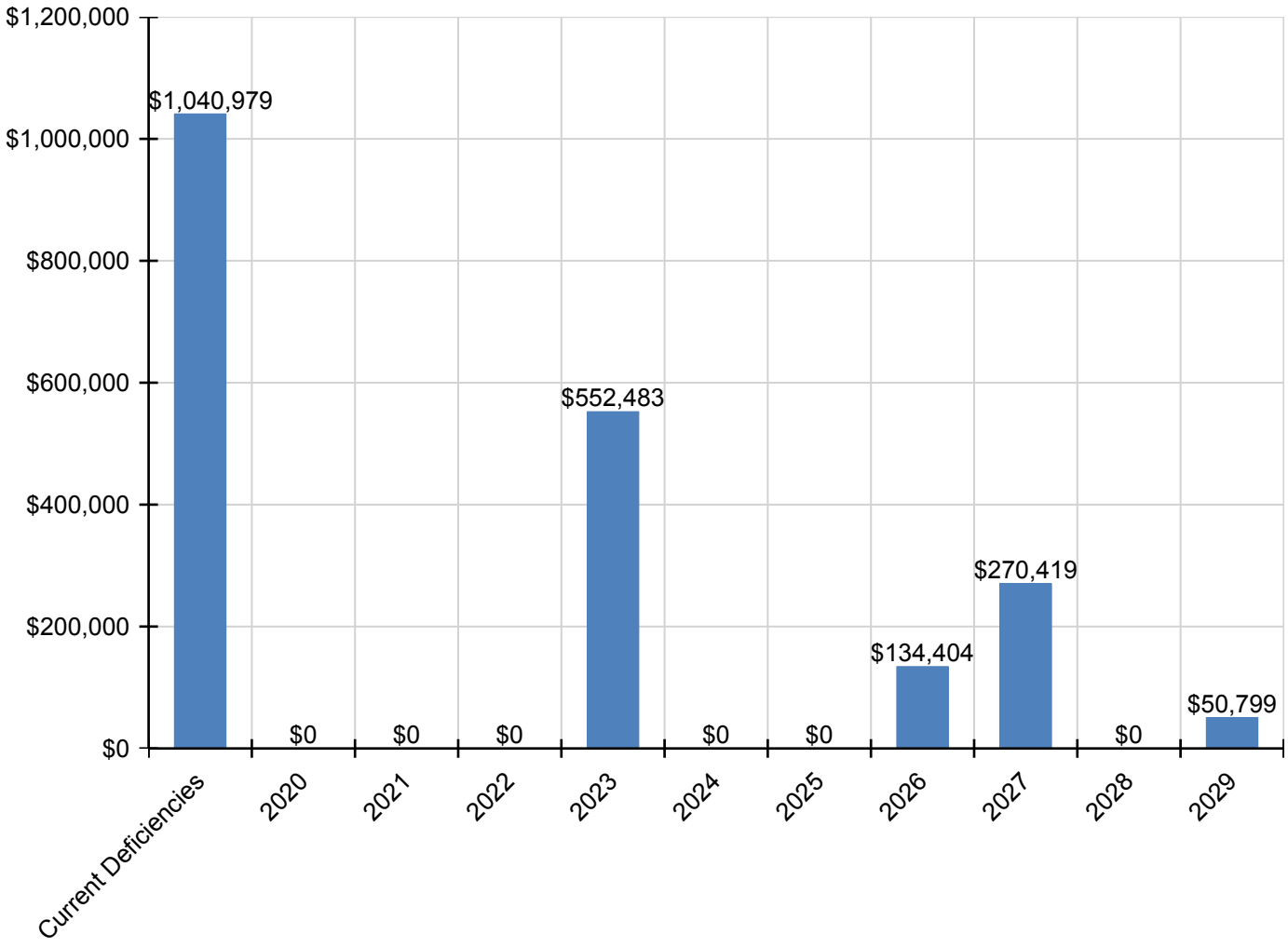
System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
C20 - Stairs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
* C2010 - Stair Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C30 - Interior Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010230 - Paint & Covering	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$50,799	**$50,799**
C3020 - Floor Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020903 - VCT	$126,090	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$126,090**
C3030 - Ceiling Finishes	$236,565	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$236,565**
D - Services	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D10 - Conveying	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D1010 - Elevators and Lifts	$32,913	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$32,913**
D20 - Plumbing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D2010 - Plumbing Fixtures	$0	$0	$0	$0	$188,406	$0	$0	$0	$0	$0	$0	**$188,406**
D2020 - Domestic Water Distribution	$0	$0	$0	$0	$21,705	$0	$0	$0	$0	$0	$0	**$21,705**
D2030 - Sanitary Waste	$0	$0	$0	$0	$50,647	$0	$0	$0	$0	$0	$0	**$50,647**
D2040 - Rain Water Drainage	$0	$0	$0	$0	$11,866	$0	$0	$0	$0	$0	$0	**$11,866**
D30 - HVAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3020 - Heat Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3030 - Cooling Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3040 - Distribution Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3050 - Terminal & Package Units	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3060 - Controls & Instrumentation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D40 - Fire Protection	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D4010 - Sprinklers	$107,226	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$107,226**
D4020 - Standpipes	$9,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$9,000**
D4030 - Fire Protection Specialties	$0	$0	$0	$0	$0	$0	$0	$0	$2,931	$0	$0	**$2,931**
D4090 - Other Fire Protection Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
D50 - Electrical	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5010 - Electrical Service/Distribution	$60,427	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$60,427**
D5020 - Branch Wiring	$117,768	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$117,768**
D5020 - Lighting	$176,395	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$176,395**
D5030 - Communications and Security	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
D5030810 - Security & Detection Systems	$0	$0	$0	$0	$0	$0	$0	$47,754	$0	$0	$0	**$47,754**
D5030910 - Fire Alarm Systems	$0	$0	$0	$0	$0	$0	$0	$86,651	$0	$0	$0	**$86,651**
D5030920 - Data Communication	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5090 - Other Electrical Systems	$32,142	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$32,142**
E - Equipment & Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E10 - Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1020 - Institutional Equipment	$2,314	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$2,314**
E1090 - Other Equipment	$20,314	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$20,314**
E20 - Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E2010 - Fixed Furnishings	$49,884	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$49,884**

** Indicates non-renewable system*

Forecasted Capital Renewal Requirement

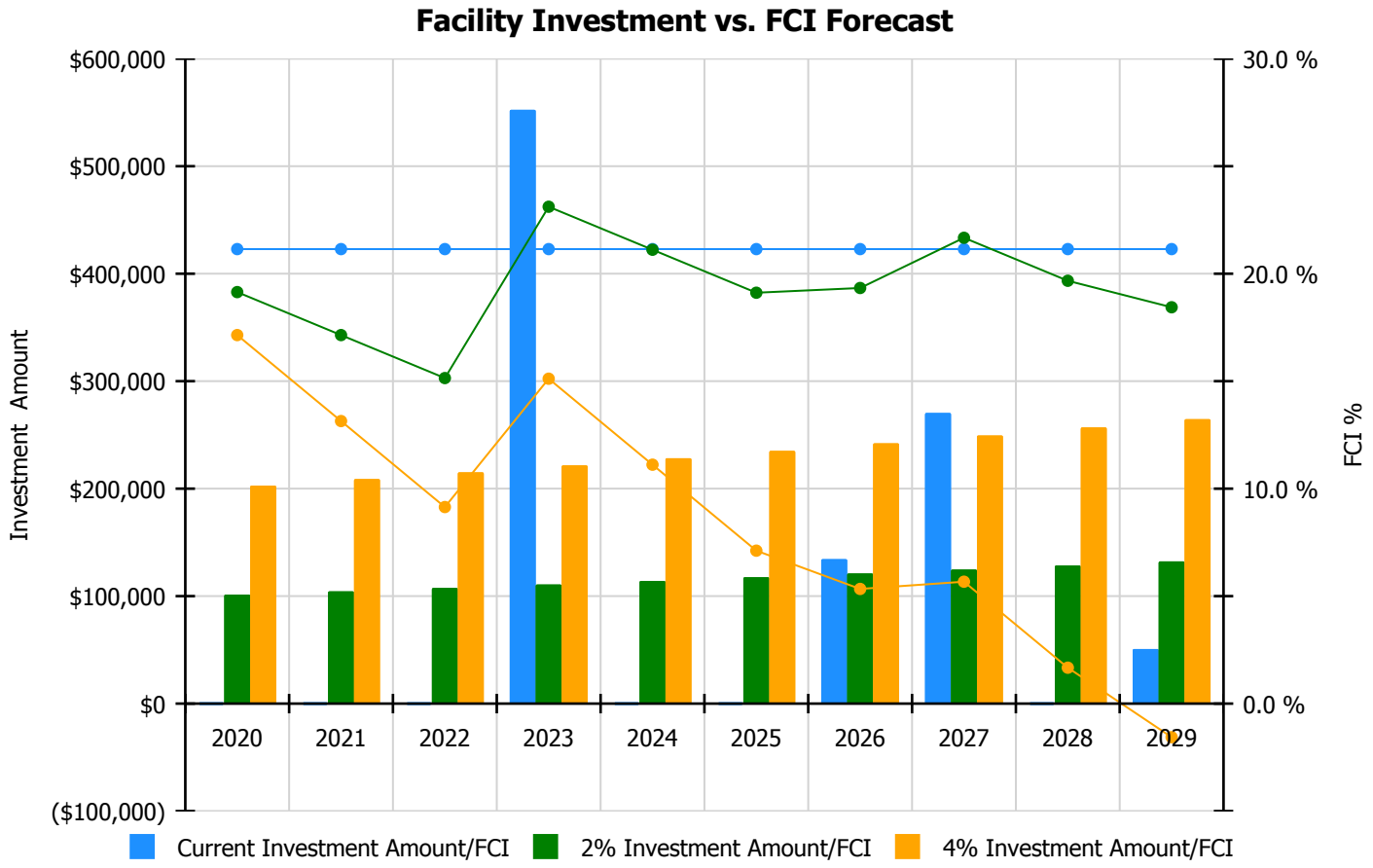
The following chart shows the current building deficiencies and forecasted capital renewal (sustainment) requirements over the next ten years.



Condition Index Forecast by Investment Scenario

The chart below illustrates the effect of various investment levels on the building FCI for the next 10 years. The levels of investment shown below include:

- Current FCI: a variable investment amount based on renewing expired systems to maintain the current FCI for the building
- 2% Investment: an annual investment of 2% of the replacement value of the building, escalated for inflation
- 4% Investment: an annual investment of 4% of the replacement value of the building, escalated for inflation



Year	Investment Amount Current FCI - 21.14%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	$0	$101,418.00	19.14 %	$202,835.00	17.14 %
2021	$0	$104,460.00	17.14 %	$208,920.00	13.14 %
2022	$0	$107,594.00	15.14 %	$215,188.00	9.14 %
2023	$552,483	$110,822.00	23.12 %	$221,644.00	15.12 %
2024	$0	$114,147.00	21.12 %	$228,293.00	11.12 %
2025	$0	$117,571.00	19.12 %	$235,142.00	7.12 %
2026	$134,404	$121,098.00	19.33 %	$242,196.00	5.33 %
2027	$270,419	$124,731.00	21.67 %	$249,462.00	5.67 %
2028	$0	$128,473.00	19.67 %	$256,946.00	1.67 %
2029	$50,799	$132,327.00	18.44 %	$264,654.00	-1.56 %
Total:	**$1,008,105**	**$1,162,641.00**		**$2,325,280.00**	

Deficiency Summary by System

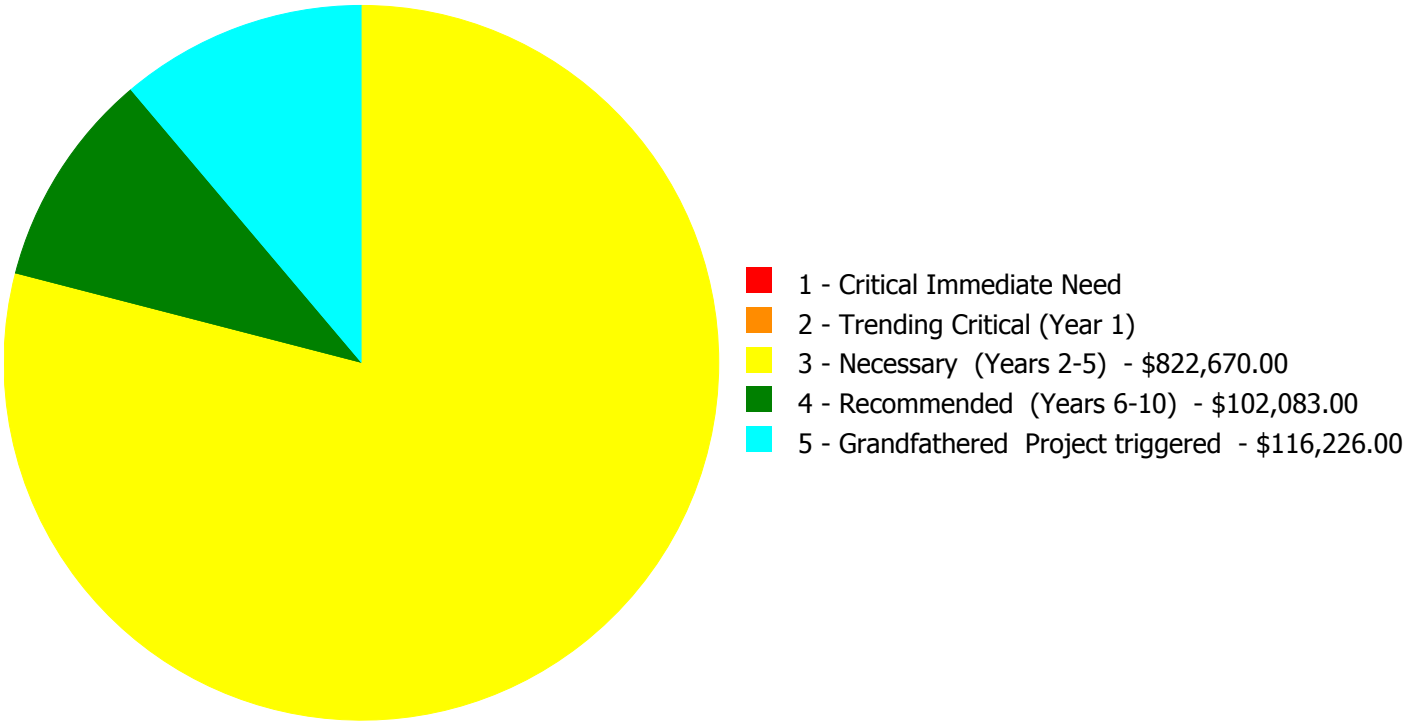
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart lists all current deficiencies associated with this facility.

- C1030 Fittings $69,941.00
- C3020903 VCT $126,090.00
- C3030 Ceiling Finishes $236,565.00
- D1010 Elevators and Lifts $32,913.00
- D4010 Sprinklers $107,226.00
- D5010 Electrical Service/Distribution $60,427.00
- D5020 Branch Wiring $117,768.00
- D5020 Lighting $176,395.00
- D5090 Other Electrical Systems $32,142.00
- E2010 Fixed Furnishings $49,884.00
- Other $31,628.00

Budget Estimate Total: $1,040,979.00

Deficiency Summary by Priority

The following chart shows the total repair costs broken down by priority. Assessors assigned deficiencies within eCOMET to one of the following priority categories:



Budget Estimate Total: $1,040,979.00

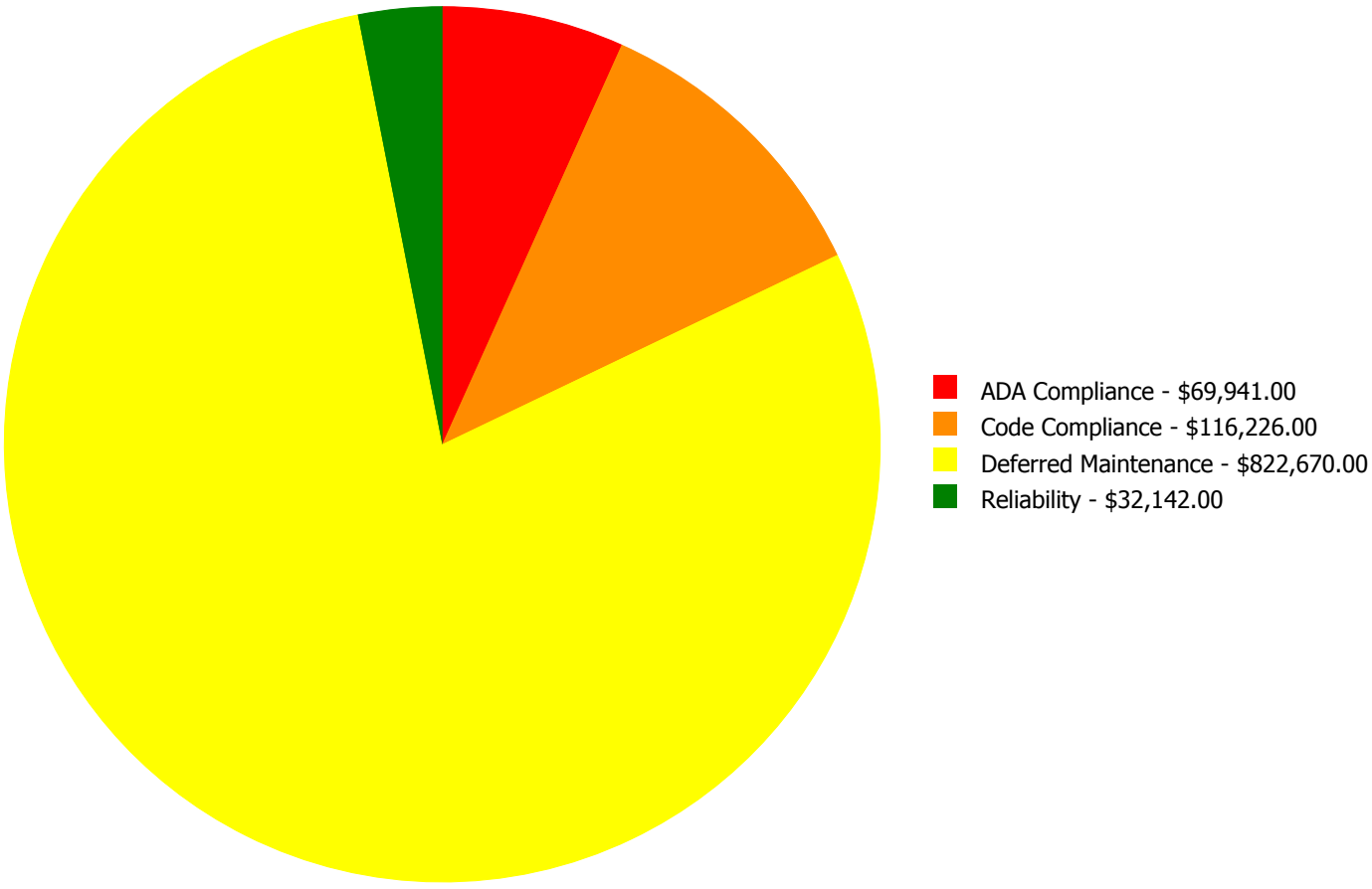
Deficiency By Priority Investment Table

The table below shows the current investment cost grouped by deficiency priority and building system.

System Code	System Description	1 - Critical Immediate Need	2 - Trending Critical (Year 1)	3 - Necessary (Years 2-5)	4 - Recommended (Years 6-10)	5 - Grandfathered Project triggered	Total
C1030	Fittings	$0.00	$0.00	$0.00	$69,941.00	$0.00	$69,941.00
C3020903	VCT	$0.00	$0.00	$126,090.00	$0.00	$0.00	$126,090.00
C3030	Ceiling Finishes	$0.00	$0.00	$236,565.00	$0.00	$0.00	$236,565.00
D1010	Elevators and Lifts	$0.00	$0.00	$32,913.00	$0.00	$0.00	$32,913.00
D4010	Sprinklers	$0.00	$0.00	$0.00	$0.00	$107,226.00	$107,226.00
D4020	Standpipes	$0.00	$0.00	$0.00	$0.00	$9,000.00	$9,000.00
D5010	Electrical Service/Distribution	$0.00	$0.00	$60,427.00	$0.00	$0.00	$60,427.00
D5020	Branch Wiring	$0.00	$0.00	$117,768.00	$0.00	$0.00	$117,768.00
D5020	Lighting	$0.00	$0.00	$176,395.00	$0.00	$0.00	$176,395.00
D5090	Other Electrical Systems	$0.00	$0.00	$0.00	$32,142.00	$0.00	$32,142.00
E1020	Institutional Equipment	$0.00	$0.00	$2,314.00	$0.00	$0.00	$2,314.00
E1090	Other Equipment	$0.00	$0.00	$20,314.00	$0.00	$0.00	$20,314.00
E2010	Fixed Furnishings	$0.00	$0.00	$49,884.00	$0.00	$0.00	$49,884.00
	Total:	$0.00	$0.00	$822,670.00	$102,083.00	$116,226.00	$1,040,979.00

Deficiency Summary by Category

The following chart shows the total repair costs broken down by deficiency categories. Assessors assigned deficiencies to one of the following categories:



Budget Estimate Total: $1,040,979.00

Deficiency Details by Priority

The deficiency detail notes listed below provide additional information on identified deficiencies found within the facility.

Priority 3 - Necessary (Years 2-5):

System: C3020903 - VCT

Location: gym
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $126,090.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The VCT floor finish is beyond its expected service life, worn and damaged, and is recommended for replacement.

System: C3030 - Ceiling Finishes

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $236,565.00
Assessor Name: Jejuan Hall
Date Created: 02/22/2020

Notes: The applied ceiling finish is beyond its expected life cycle and should be replaced.

System: D1010 - Elevators and Lifts

This deficiency has no image.

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $32,913.00
Assessor Name: Jejuan Hall
Date Created: 08/13/2014

Notes: The ADA elevator system is from original construction. recommended for upgrade. All aspects of the current ADA standards are expected to be included in the new installation.

System: D5010 - Electrical Service/Distribution

This deficiency has no image.

Location: Electrical Room
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $60,427.00
Assessor Name: Jejuan Hall
Date Created: 08/13/2014

Notes: The electrical services and distribution systems consist of a service disconnect, primary main, breaker system, switch box and conduit and wiring to equipment, interior and exterior lights. This system is a mix of the old and new. Some of the system was recently upgraded, however a majority of the system is original from original construction. Upgrades are recommended.

System: D5020 - Branch Wiring

This deficiency has no image.

Location: Electrical Room
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $117,768.00
Assessor Name: Jejuan Hall
Date Created: 08/13/2014

Notes: Most of the branch wire system appears to be from the original construction. The age and environmental conditions warrants upgrades.

System: D5020 - Lighting

This deficiency has no image.

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $176,395.00
Assessor Name: Jejuan Hall
Date Created: 11/18/2019

Notes: Most of the lighting system appears to be from the original construction. The age and environmental conditions warrants upgrades.

System: E1020 - Institutional Equipment

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $2,314.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: The Institutional equipment systems are beyond the expected life for this application and upgrades are warranted.

System: E1090 - Other Equipment

This deficiency has no image.

Location: Kitchen
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $20,314.00
Assessor Name: Jejuan Hall
Date Created: 01/25/2020

Notes: Other equipment includes industrial kitchen equipment which has exceeded the expected life cycle. Installation of a new system is recommended.

System: E2010 - Fixed Furnishings

Location: Throughout Building
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $49,884.00
Assessor Name: Jejuan Hall
Date Created: 02/22/2020

Notes: Fixed furnishings are aged, worn and damaged, and should be scheduled for replacement.

Priority 4 - Recommended (Years 6-10):

System: C1030 - Fittings

Location: Throughout Building
Distress: Beyond Expected Life
Category: ADA Compliance
Priority: 4 - Recommended (Years 6-10)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $69,941.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: The signage, lockers and storage shelving is from original construction and beyond the expected life for this application. The system in outdated recommended for upgrades.

System: D5090 - Other Electrical Systems

This deficiency has no image.

Location: Throughout Building
Distress: Missing
Category: Reliability
Priority: 4 - Recommended (Years 6-10)
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $32,142.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: No Emergency Generator installed, client requested standard.

Priority 5 - Grandfathered Project triggered:

System: D4010 - Sprinklers

This deficiency has no image.

Location: Throughout Building
Distress: Missing
Category: Code Compliance
Priority: 5 - Grandfathered Project triggered
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $107,226.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: No sprinkler system installed, client requested standard.

System: D4020 - Standpipes

This deficiency has no image.

Location: Mechanical Rooms
Distress: Missing
Category: Code Compliance
Priority: 5 - Grandfathered Project triggered
Correction: Renew System
Qty: 23,376.00
Unit of Measure: S.F.
Estimate: $9,000.00
Assessor Name: Jejuan Hall
Date Created: 08/16/2013

Notes: No sprinkler system installed, client requested standard.

Executive Summary

The condition of a Campus is the accumulation of the condition evaluations of the component buildings and the site. Building condition is evaluated based on the functional systems and elements of a building and organized according to the **UNIFORMAT II Elemental Classification**. eCOMET uses parametric estimating methodology whereby historical costs for systems, components and equipment are collected by entities such as RSMeans and converted to unit costs, typically $/SF, and used to approximate future construction costs or replacement values. The grouping of these systems and elements and applying a current replacement value to them develops a representative building cost model. Cost Models are developed for similar building types and functions. Systems and their elements are evaluated based on their current replacement values, life cycles, installation dates and next renewal dates. Systems and their elements that are within their useful lives are further evaluated to identify current deficient conditions that may have a significant impact on a system's or element's remaining service life, and to determine if they are beyond their predicted expected life. The system's or element's current replacement value is based on RS Means Commercial Cost Data.

Following are the cost model's system details for this facility. The **Current Replacement Value (CRV)** is the amount needed to replace the property of the same present scope. The **Repair Cost** (the sum of the cost to repair/replace the Deficiencies) represents the budgeted contractor-installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging of the work. **Facility Condition Index (FCI)** is an industry-standard measurement of facility condition calculated as the ratio of the costs to correct a facility's deficiencies (Condition Needs) to the facility's Current Replacement Value. It ranges from 0% (new) to 100% (very poor - beyond service life). The **Remaining Service Life Index (RSLI)** is calculated as the sum of a renewable system's **Remaining Service Life (RSL)** divided by the sum of a system's Replacement Value (both values exclude soft-cost to simplify calculation updates) expressed as a percentage ranging from 100% (new) to 0% (expired). The relationship between the key metrics FCI and RSLI is an important indicator, at either the facility, building, system, or component levels, of the condition trend and the imminent need for capital renewal. These indices exist in an inverse relationship wherein the FCI increases when systems reach their expected life-cycle age, whereas the RSLI decreases annually indicating the relative time remaining before reaching the life-cycle expiration age. For example, a facility or a system with a high RSLI and a low FCI indicates it is in the early portion of its useful life. However, a low RSLI indicates that expiration dates are approaching at which point the FCI would increase. The term **FCA Score** is the inverse of Total FCI and calculated as 100-Total FCI (without the %) where 100 is best and 0 is worst condition.

Function:	Elementary
Gross Area (SF):	13,279
Year Built:	2005
Last Renovation:	
Replacement Value:	$2,629,737
Repair Cost:	$85,950.00
Total FCI:	3.27 %
Total RSLI:	61.53 %
FCA Score:	96.73

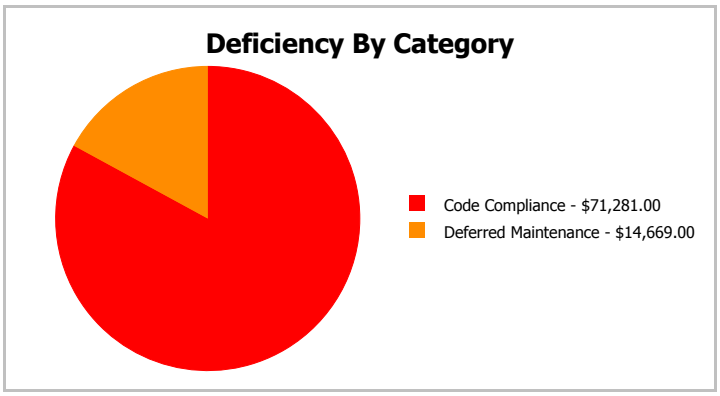
Description:

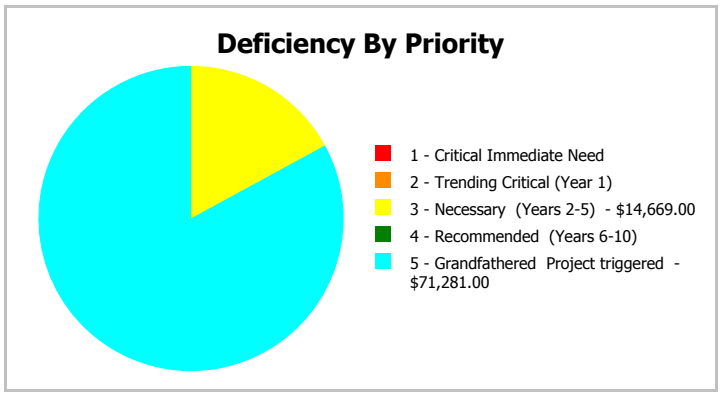
The narrative for this building is included in the Executive Summary Description at the front of this report.

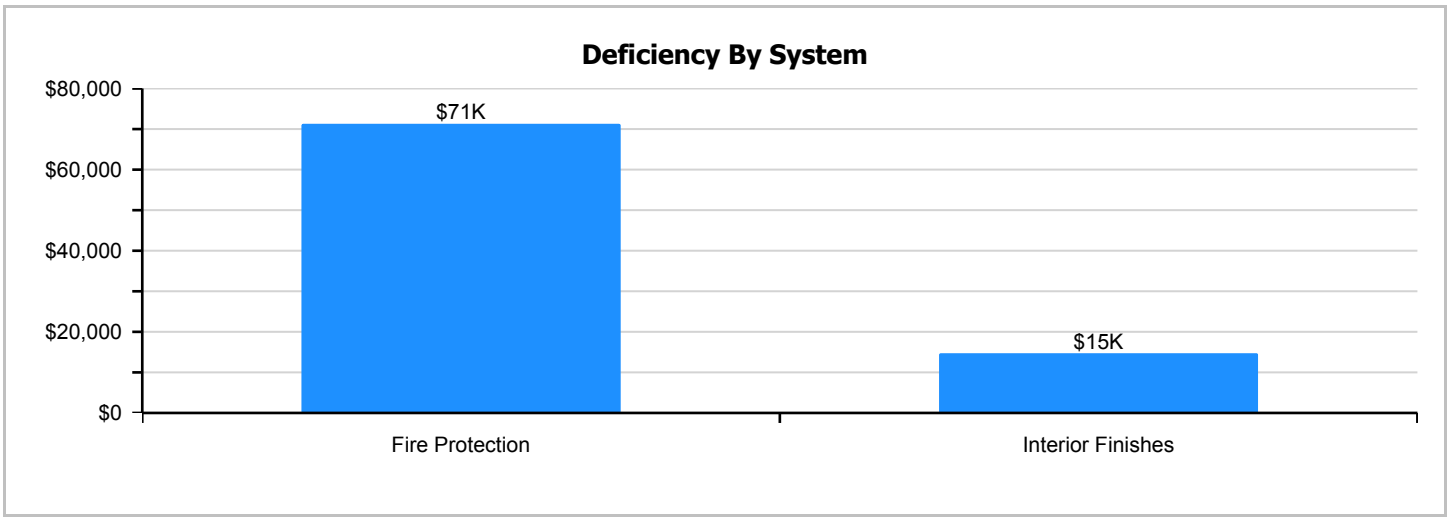
Attributes: This asset has no attributes.

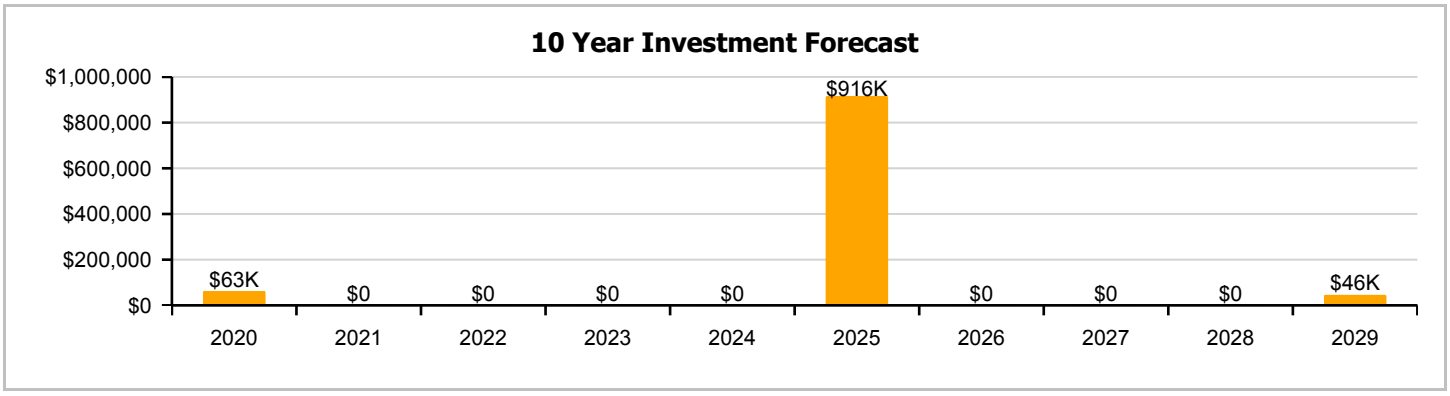
Dashboard Summary

Function:	Elementary	Gross Area:	13,279
Year Built:	2005	Last Renovation:	
Repair Cost:	$85,950	Replacement Value:	$2,629,737
FCI:	3.27 %	RSLI%:	61.53 %









Condition Summary

The Table below shows the RSLI and FCI for each major building system shown at the UNIFORMAT II classification Level 2. Note that Systems with lower FCIs require less investment than systems with higher FCIs.

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
A10 - Foundations	86.00 %	0.00 %	$0.00
A20 - Basement Construction	86.00 %	0.00 %	$0.00
B10 - Superstructure	86.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	72.70 %	0.00 %	$0.00
B30 - Roofing	45.87 %	0.00 %	$0.00
C10 - Interior Construction	67.07 %	0.00 %	$0.00
C20 - Stairs	86.00 %	0.00 %	$0.00
C30 - Interior Finishes	28.78 %	6.03 %	$14,669.00
D20 - Plumbing	36.13 %	0.00 %	$0.00
D30 - HVAC	61.20 %	0.00 %	$0.00
D40 - Fire Protection	0.13 %	107.79 %	$71,281.00
D50 - Electrical	32.19 %	0.00 %	$0.00
E10 - Equipment	30.00 %	0.00 %	$0.00
E20 - Furnishings	30.00 %	0.00 %	$0.00
Totals:	**61.53 %**	**3.27 %**	**$85,950.00**

Photo Album

The photo album consists of the various cardinal compass directions of the building..

1). Northwest Elevation - Nov 18, 2019

2). Southeast Elevation - Nov 18, 2019

3). Northwest Elevation, Addition - Nov 18, 2019

Condition Detail

This section of the report contains results of the Facility Condition Assessment. The building is separated into system components based on UNIFORMAT II. The columns in the System Listing table represent the following:

1. System Code: A code that identifies the system.
2. System Description: A brief description of a system present in the building.
3. Unit Price $: The unit price of the system.
4. UoM: The unit of measure of the system.
5. Qty: The quantity for the system
6. Life: Building Owners and Managers Association (BOMA) recommended system design life.
7. Year Installed: The date of system installation.
8. Calc Next Renewal Year: The date of system expiration based on the life, NR stands for non renewable.
9. Next Renewal Year: The suggested system expiration date by the assessor based on visual inspection.
10. RSLI: The Remaining Service Life Index of the system.
11. FCI: The Facility Condition Index of the system.
12. RSL: Remaining Service Life in years.
13. eCR: eCOMET Condition Rating (not used in this assessment)
14. Deficiency $: The financial investment to repair/replace system to address deficiency.
15. Replacement Value $: The replacement cost of the system as new construction.

System Listing

The System Listing table below lists each of the systems organized by their UNIFORMAT II classification. The assessment team was tasked with recording the most recent replacement year of each system, determining the remaining service life based on the theoretical life, and evaluating the condition to confirm the forecast next replacement year. The system listing is the basis for all data contained in the Building Assessment Report.

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
A1010	Standard Foundations	$9.51	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$126,283
A1020	Special Foundations	$0.41	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$5,444
A1030	Slab on Grade	$8.05	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$106,896
A2010	Basement Excavation	$0.26	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$3,453
A2020	Basement Walls	$2.99	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$39,704
B1010	Floor Construction	$24.74	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$328,522
B1020	Roof Construction	$15.99	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$212,331
B2010	Exterior Walls	$15.28	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$202,903
B2020	Exterior Windows	$9.54	S.F.	13,279	30	2005	2035		53.33 %	0.00 %	16			$126,682
B2030	Exterior Doors	$0.96	S.F.	13,279	30	2005	2035		53.33 %	0.00 %	16			$12,748
B3010120	Single Ply Membrane	$5.37	S.F.	5,372	25	2005	2030		44.00 %	0.00 %	11			$28,848
B3020	Roof Openings	$1.35	S.F.	5,372	30	2005	2035		53.33 %	0.00 %	16			$7,252
C1010	Partitions	$6.20	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$82,330
C1020	Interior Doors	$4.05	S.F.	13,279	40	2005	2045		65.00 %	0.00 %	26			$53,780
C1030	Fittings	$2.94	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$39,040
C2010	Stair Construction	$3.13	S.F.	13,279	100	2005	2105		86.00 %	0.00 %	86			$41,563
C3010220	Tile	$9.25	S.F.	1,279	30	2005	2035		53.33 %	0.00 %	16			$11,831
C3010230	Paint & Covering	$1.47	S.F.	12,000	10	2005	2015		0.00 %	0.00 %	-4			$17,640
C3020420	Ceramic Tile	$16.74	S.F.	1,779	50	2005	2055		72.00 %	0.00 %	36			$29,780
C3020903	VCT	$3.48	S.F.	11,000	15	2005	2020		6.67 %	0.00 %	1			$38,280
C3020999	Other - Rubber or Neoprene	$26.67	S.F.	500	10	2005	2015		0.00 %	110.00 %	-4		$14,669.00	$13,335
C3030	Ceiling Finishes	$9.96	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$132,259
D2010	Plumbing Fixtures	$7.04	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$93,484
D2020	Domestic Water Distribution	$0.79	S.F.	13,279	30	2005	2035		53.33 %	0.00 %	16			$10,490
D2030	Sanitary Waste	$1.88	S.F.	13,279	30	2005	2035		53.33 %	0.00 %	16			$24,965
D2040	Rain Water Drainage	$0.45	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$5,976
D3010	Energy Supply	$0.61	S.F.	13,279	30	2005	2035		53.33 %	0.00 %	16			$8,100
D3020	Heat Generating Systems	$3.98	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$52,850
D3030	Cooling Generating Systems	$6.75	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$89,633
D3040	Distribution Systems	$11.77	S.F.	13,279	20	2015	2035		80.00 %	0.00 %	16			$156,294
D3050	Terminal & Package Units	$7.31	S.F.	13,279	15	2015	2030		73.33 %	0.00 %	11			$97,069
D3060	Controls & Instrumentation	$2.45	S.F.	13,279	15	2015	2030		73.33 %	0.00 %	11			$32,534

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
D4010	Sprinklers	$4.52	S.F.	13,279	30			2019	0.00 %	110.00 %	0		$66,023.00	$60,021
D4020	Standpipes	$0.36	S.F.	13,279	30			2019	0.00 %	110.00 %	0		$5,258.00	$4,780
D4030	Fire Protection Specialties	$0.10	S.F.	13,279	15	2005	2020		6.67 %	0.00 %	1			$1,328
D5010	Electrical Service/Distribution	$2.55	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$33,861
D5020	Branch Wiring	$4.93	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$65,465
D5020	Lighting	$7.43	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$98,663
D5030810	Security & Detection Systems	$1.51	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$20,051
D5030910	Fire Alarm Systems	$2.74	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$36,384
D5030920	Data Communication	$3.56	S.F.	13,279	25	2005	2030		44.00 %	0.00 %	11			$47,273
E1020	Institutional Equipment	$0.10	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$1,328
E2010	Fixed Furnishings	$2.13	S.F.	13,279	20	2005	2025		30.00 %	0.00 %	6			$28,284
								Total	**61.53 %**	**3.27 %**			**$85,950.00**	**$2,629,737**

System Notes

The facility description in the executive summary contains an overview of each system. The system notes listed below provide additional information on select systems found within the facility.

System: B2010 - Exterior Walls


Note:

System: B2020 - Exterior Windows

Note:

System: B3010120 - Single Ply Membrane

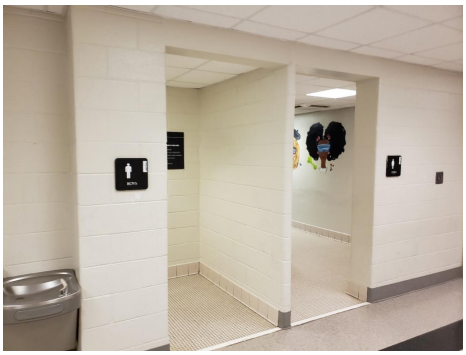


Note:

System: B3020 - Roof Openings

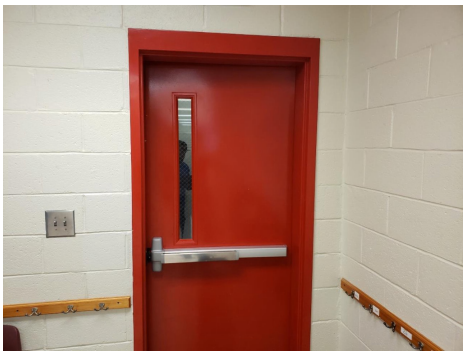
Note:

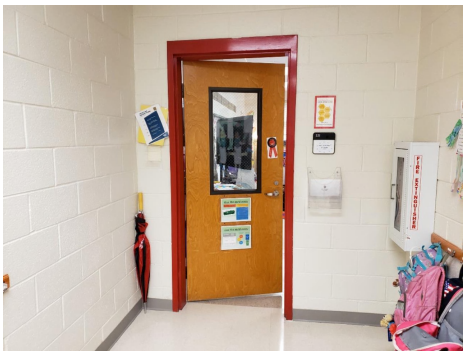
System: C1010 - Partitions



Note:

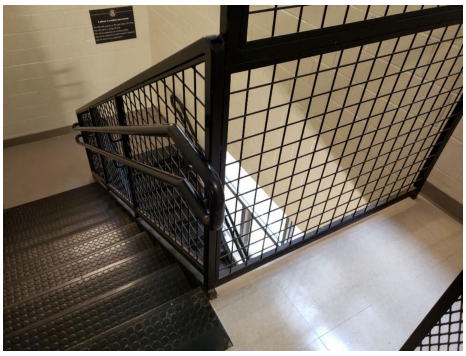
System: C1020 - Interior Doors





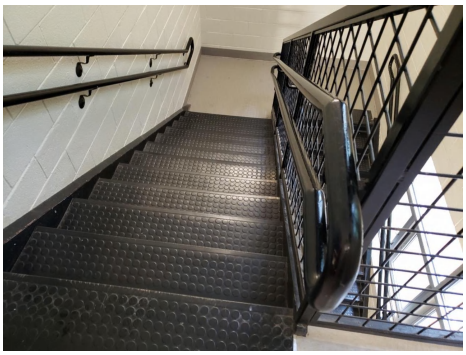
Note:

System: C1030 - Fittings


Note:

System: C2010 - Stair Construction

Note:

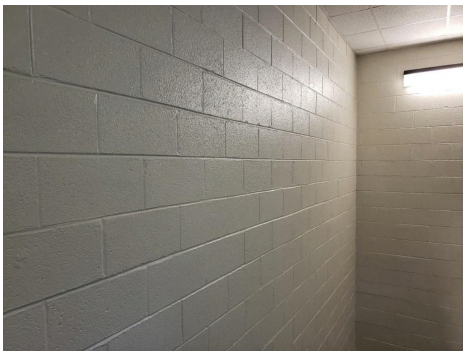
System: C3010220 - Tile



Note:

System: C3010230 - Paint & Covering





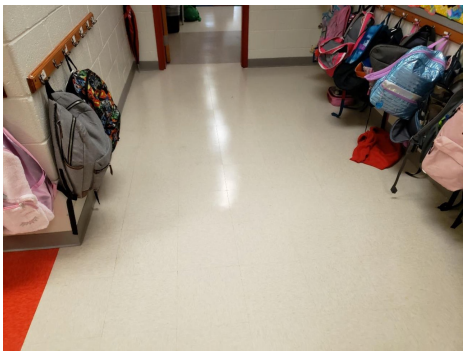
Note:

System: C3020420 - Ceramic Tile



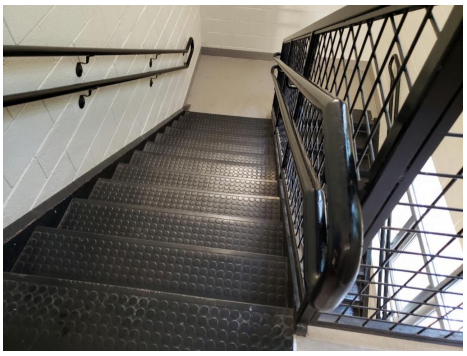
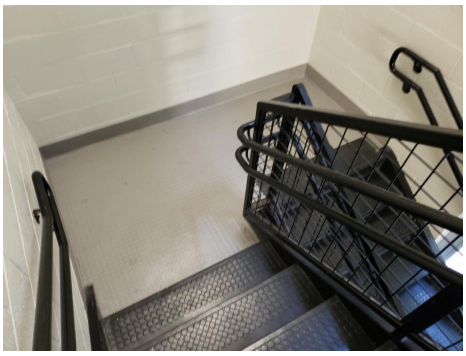
Note:

System: C3020903 - VCT



Note:

System: C3020999 - Other - Rubber or Neoprene

Note:

System: C3030 - Ceiling Finishes


Note:

System: D2010 - Plumbing Fixtures


Note:

System: D2030 - Sanitary Waste

Note:

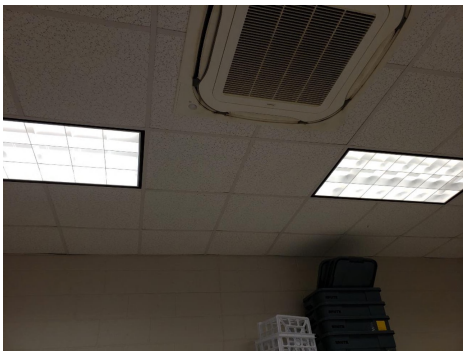
System: D3020 - Heat Generating Systems This system contains no images

Note: Heating hot water boilers serving Bldg 2015 are located in Bldg 2010 Mechanical Room.

System: D3030 - Cooling Generating Systems

Note:

System: D3040 - Distribution Systems



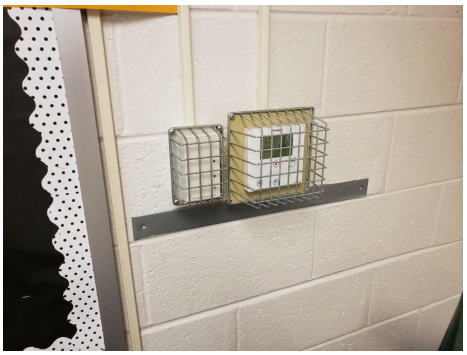
Note:

System: D3050 - Terminal & Package Units


Note:

System: D3060 - Controls & Instrumentation



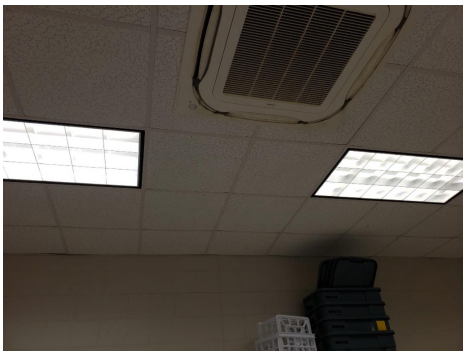


Note:

System: D5020 - Branch Wiring

Note:

System: D5020 - Lighting

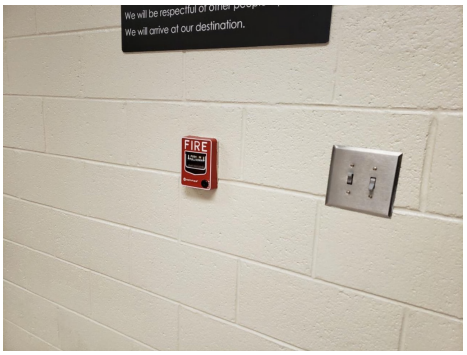



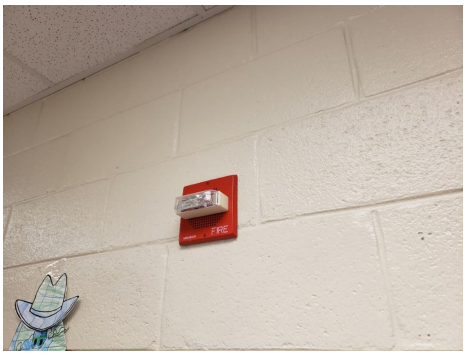

Note:

System: D5030810 - Security & Detection Systems

Note:

System: D5030910 - Fire Alarm Systems





Note:

System: E1020 - Institutional Equipment

Note:

System: E2010 - Fixed Furnishings

Note:

Renewal Schedule

eCOMET forecasts future Capital Renewal projects for expiring systems based on the Calculated Next Renewal year found in the System Listing table. There is a 3% yearly inflation factor applied to the system costs expiring in the future. The table below reflects Capital Renewal projects over the next 10 years. Note: Blank cells (or $0) indicate no systems are scheduled for renewal in that year.

Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:	**$85,950**	**$62,619**	**$0**	**$0**	**$0**	**$0**	**$915,849**	**$0**	**$0**	**$0**	**$45,791**	**$1,110,209**
*** A - Substructure**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A10 - Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1010 - Standard Foundations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1020 - Special Foundations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A1030 - Slab on Grade	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A20 - Basement Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A2010 - Basement Excavation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
A2020 - Basement Walls	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B - Shell	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B10 - Superstructure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B1010 - Floor Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B1020 - Roof Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B20 - Exterior Enclosure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B2010 - Exterior Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2020 - Exterior Windows	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2030 - Exterior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B30 - Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010120 - Single Ply Membrane	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3020 - Roof Openings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C - Interiors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C10 - Interior Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1010 - Partitions	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1020 - Interior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1030 - Fittings	$0	$0	$0	$0	$0	$0	$51,277	$0	$0	$0	$0	**$51,277**

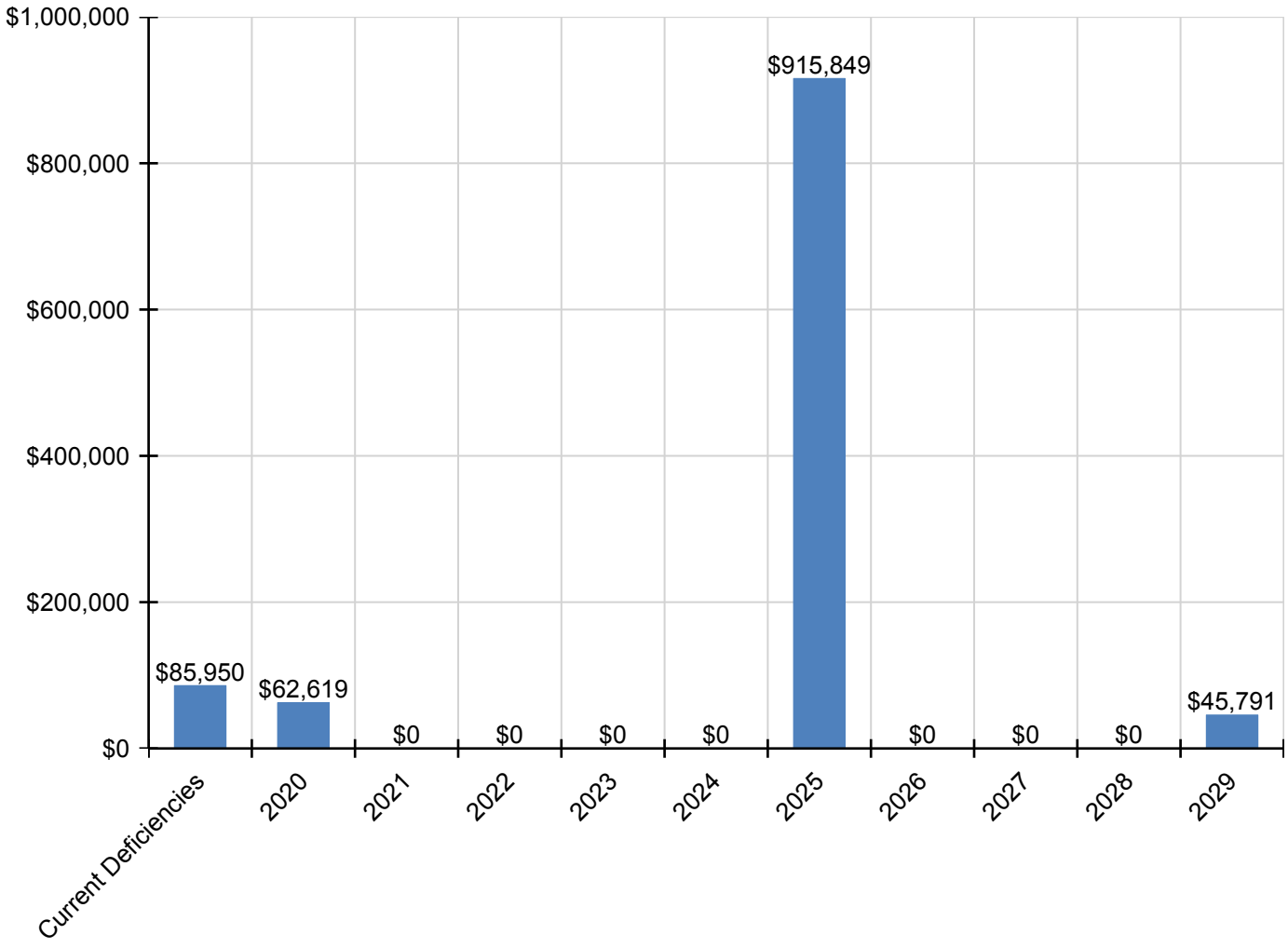
System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
C20 - Stairs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** C2010 - Stair Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C30 - Interior Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010220 - Tile	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010230 - Paint & Covering	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$26,077	**$26,077**
C3020 - Floor Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020420 - Ceramic Tile	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020903 - VCT	$0	$61,114	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$61,114**
C3020999 - Other - Rubber or Neoprene	$14,669	$0	$0	$0	$0	$0	$0	$0	$0	$0	$19,714	**$34,383**
C3030 - Ceiling Finishes	$0	$0	$0	$0	$0	$0	$173,717	$0	$0	$0	$0	**$173,717**
D - Services	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D20 - Plumbing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D2010 - Plumbing Fixtures	$0	$0	$0	$0	$0	$0	$122,788	$0	$0	$0	$0	**$122,788**
D2020 - Domestic Water Distribution	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D2030 - Sanitary Waste	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D2040 - Rain Water Drainage	$0	$0	$0	$0	$0	$0	$7,849	$0	$0	$0	$0	**$7,849**
D30 - HVAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3010 - Energy Supply	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3020 - Heat Generating Systems	$0	$0	$0	$0	$0	$0	$69,416	$0	$0	$0	$0	**$69,416**
D3030 - Cooling Generating Systems	$0	$0	$0	$0	$0	$0	$117,730	$0	$0	$0	$0	**$117,730**
D3040 - Distribution Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3050 - Terminal & Package Units	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3060 - Controls & Instrumentation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D40 - Fire Protection	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D4010 - Sprinklers	$66,023	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$66,023**
D4020 - Standpipes	$5,258	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$5,258**
D4030 - Fire Protection Specialties	$0	$1,505	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,505**
D50 - Electrical	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5010 - Electrical Service/Distribution	$0	$0	$0	$0	$0	$0	$44,476	$0	$0	$0	$0	**$44,476**
D5020 - Branch Wiring	$0	$0	$0	$0	$0	$0	$85,986	$0	$0	$0	$0	**$85,986**
D5020 - Lighting	$0	$0	$0	$0	$0	$0	$129,589	$0	$0	$0	$0	**$129,589**

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
D5030 - Communications and Security	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5030810 - Security & Detection Systems	$0	$0	$0	$0	$0	$0	$26,336	$0	$0	$0	$0	**$26,336**
D5030910 - Fire Alarm Systems	$0	$0	$0	$0	$0	$0	$47,790	$0	$0	$0	$0	**$47,790**
D5030920 - Data Communication	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E - Equipment & Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E10 - Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1020 - Institutional Equipment	$0	$0	$0	$0	$0	$0	$1,745	$0	$0	$0	$0	**$1,745**
E20 - Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E2010 - Fixed Furnishings	$0	$0	$0	$0	$0	$0	$37,151	$0	$0	$0	$0	**$37,151**

** Indicates non-renewable system*

Forecasted Capital Renewal Requirement

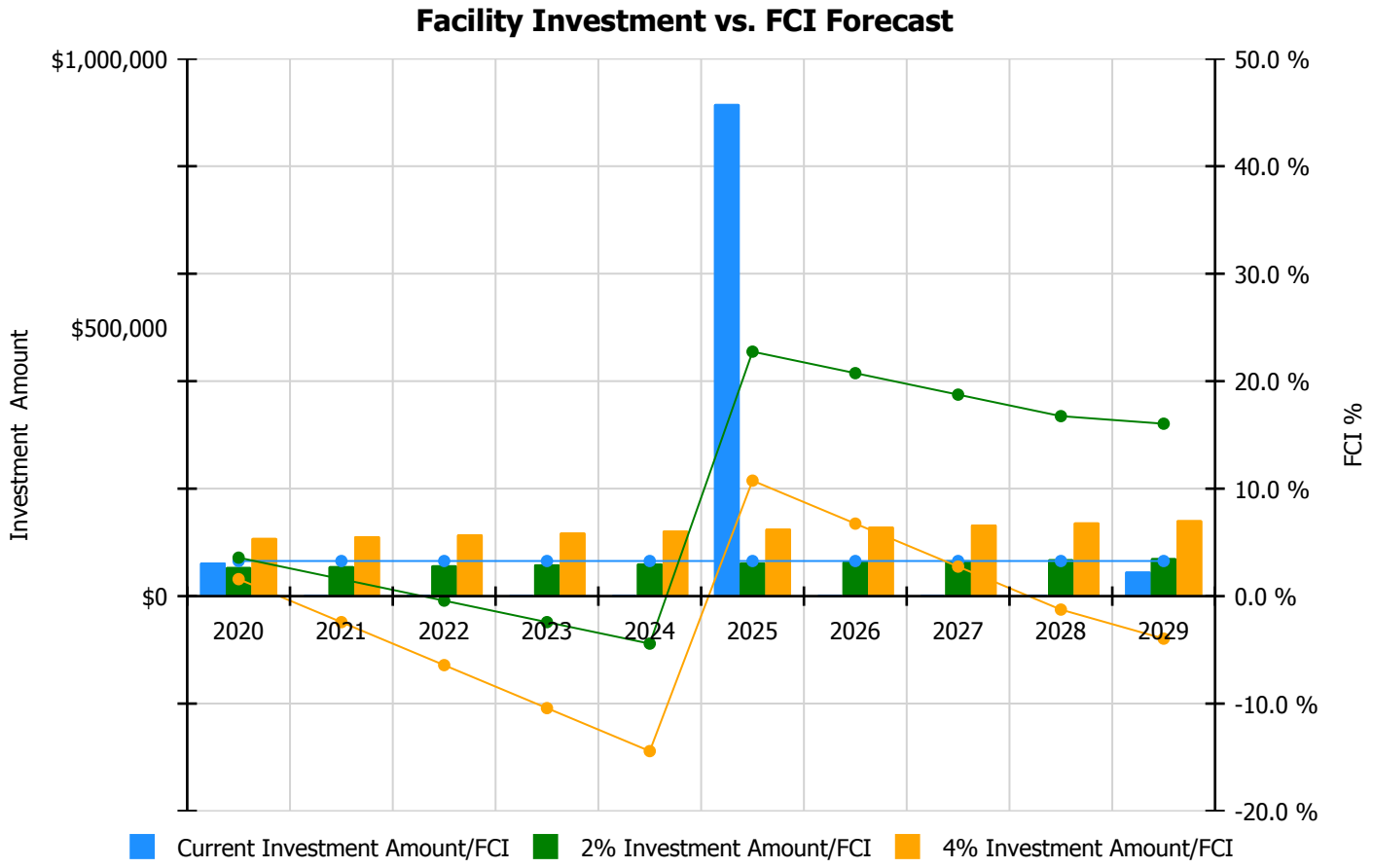
The following chart shows the current building deficiencies and forecasted capital renewal (sustainment) requirements over the next ten years.



Condition Index Forecast by Investment Scenario

The chart below illustrates the effect of various investment levels on the building FCI for the next 10 years. The levels of investment shown below include:

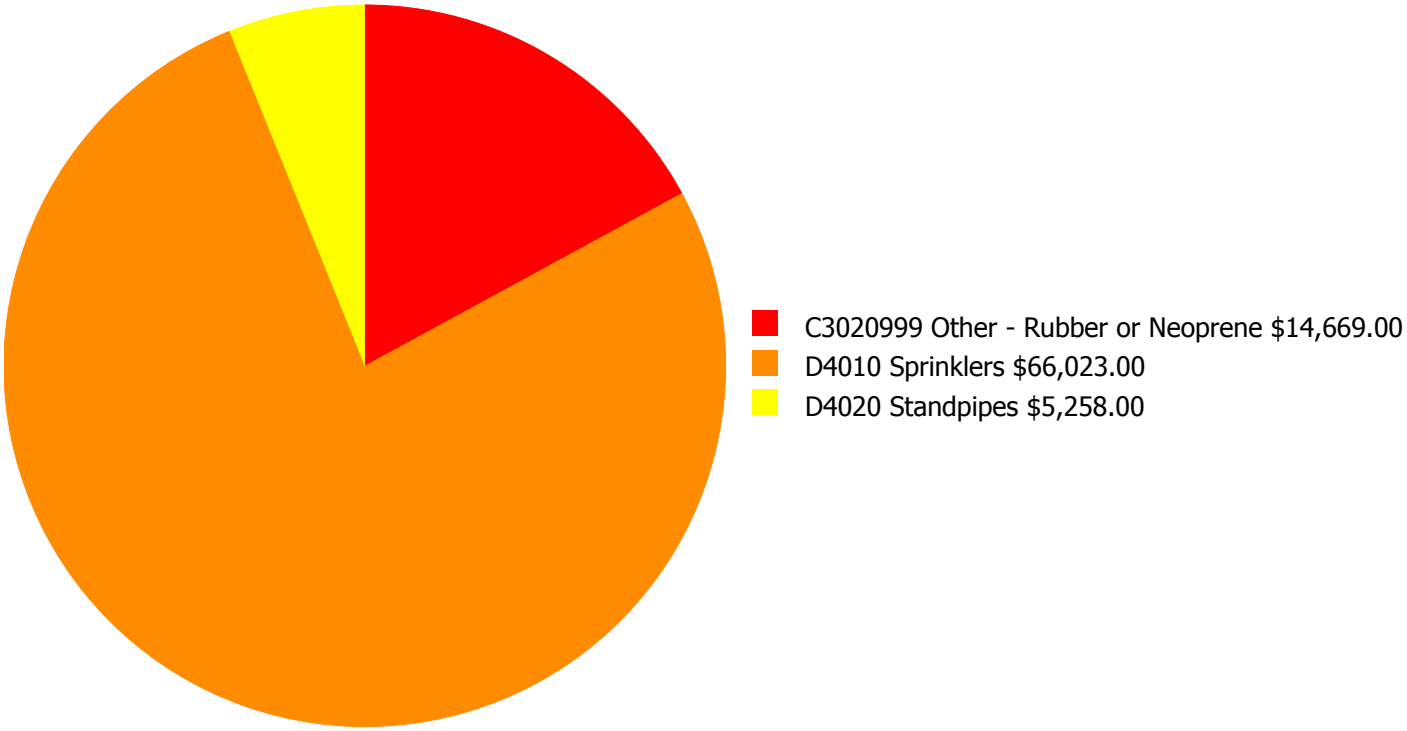
- Current FCI: a variable investment amount based on renewing expired systems to maintain the current FCI for the building
- 2% Investment: an annual investment of 2% of the replacement value of the building, escalated for inflation
- 4% Investment: an annual investment of 4% of the replacement value of the building, escalated for inflation



Year	Investment Amount Current FCI - 3.27%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	$62,619	$54,173.00	3.58 %	$108,345.00	1.58 %
2021	$0	$55,798.00	1.58 %	$111,596.00	-2.42 %
2022	$0	$57,472.00	-0.42 %	$114,943.00	-6.42 %
2023	$0	$59,196.00	-2.42 %	$118,392.00	-10.42 %
2024	$0	$60,972.00	-4.42 %	$121,943.00	-14.42 %
2025	$915,849	$62,801.00	22.75 %	$125,602.00	10.75 %
2026	$0	$64,685.00	20.75 %	$129,370.00	6.75 %
2027	$0	$66,625.00	18.75 %	$133,251.00	2.75 %
2028	$0	$68,624.00	16.75 %	$137,248.00	-1.25 %
2029	$45,791	$70,683.00	16.04 %	$141,366.00	-3.96 %
Total:	**$1,024,259**	**$621,029.00**		**$1,242,056.00**	

Deficiency Summary by System

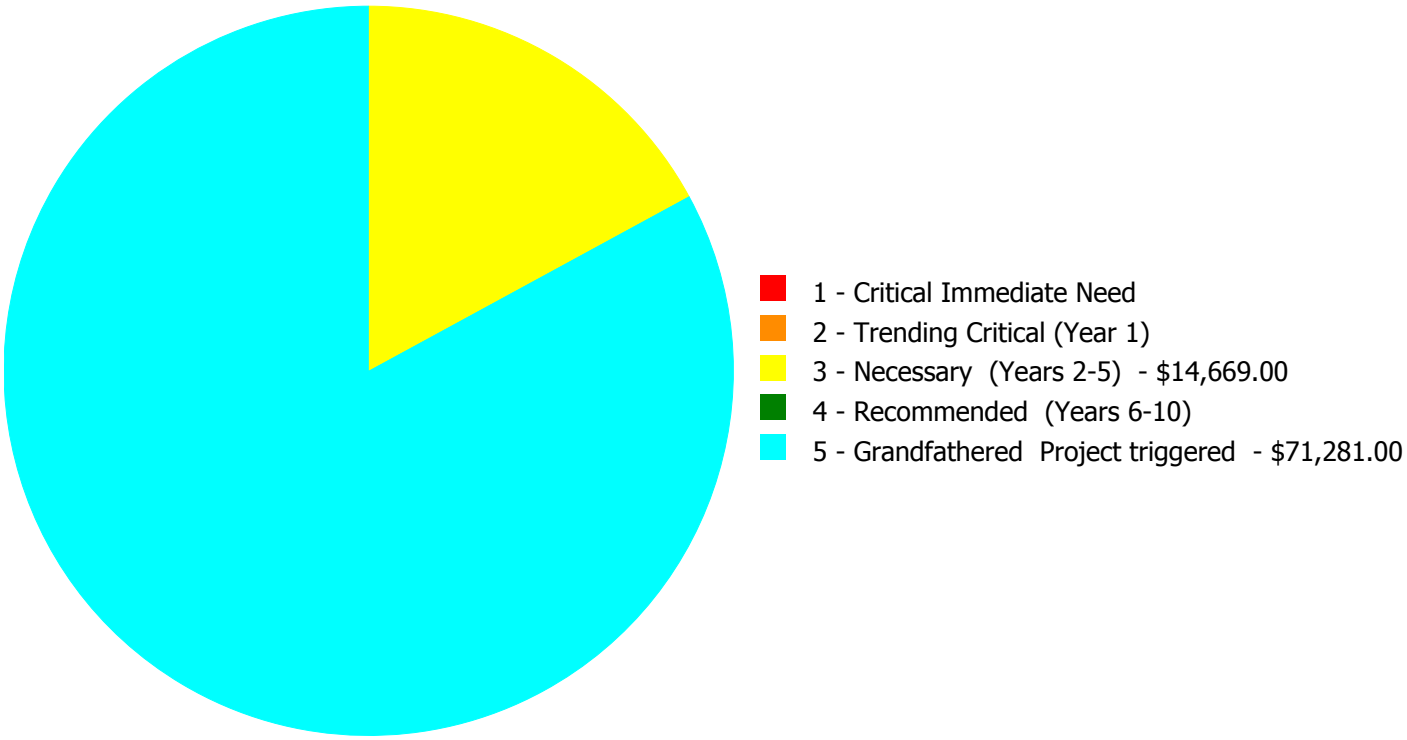
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart lists all current deficiencies associated with this facility.



Budget Estimate Total: $85,950.00

Deficiency Summary by Priority

The following chart shows the total repair costs broken down by priority. Assessors assigned deficiencies within eCOMET to one of the following priority categories:



Budget Estimate Total: $85,950.00

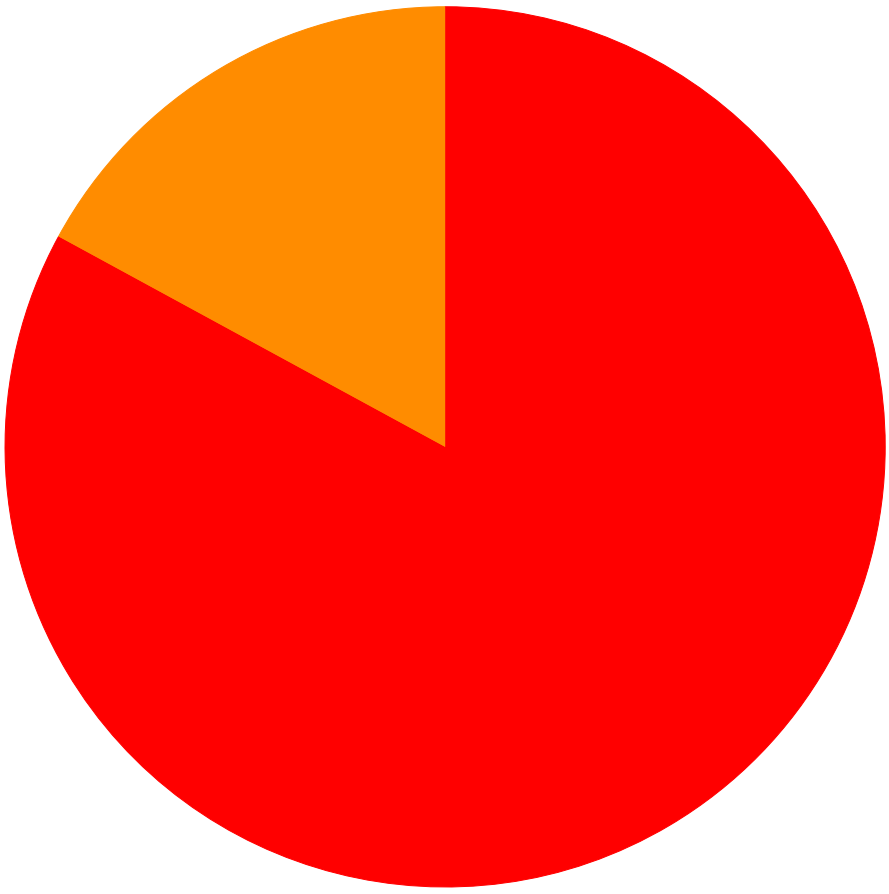
Deficiency By Priority Investment Table

The table below shows the current investment cost grouped by deficiency priority and building system.

System Code	System Description	1 - Critical Immediate Need	2 - Trending Critical (Year 1)	3 - Necessary (Years 2-5)	4 - Recommended (Years 6-10)	5 - Grandfathered Project triggered	Total
C3020999	Other - Rubber or Neoprene	$0.00	$0.00	$14,669.00	$0.00	$0.00	$14,669.00
D4010	Sprinklers	$0.00	$0.00	$0.00	$0.00	$66,023.00	$66,023.00
D4020	Standpipes	$0.00	$0.00	$0.00	$0.00	$5,258.00	$5,258.00
	Total:	$0.00	$0.00	$14,669.00	$0.00	$71,281.00	$85,950.00

Deficiency Summary by Category

The following chart shows the total repair costs broken down by deficiency categories. Assessors assigned deficiencies to one of the following categories:



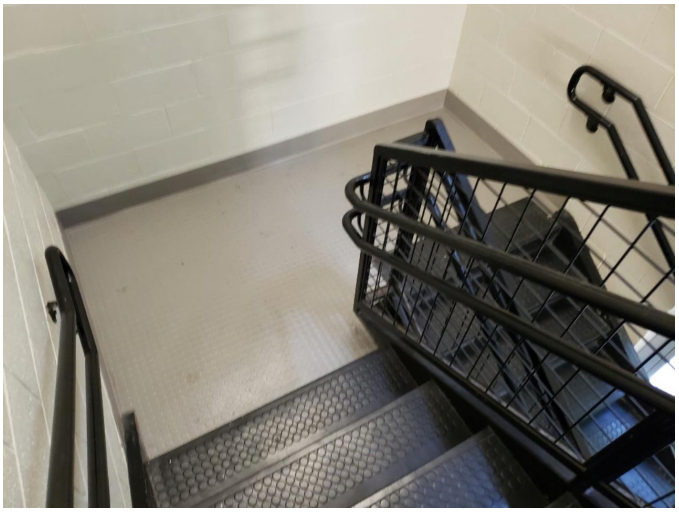
Budget Estimate Total: $85,950.00

Deficiency Details by Priority

The deficiency detail notes listed below provide additional information on identified deficiencies found within the facility.

Priority 3 - Necessary (Years 2-5):

System: C3020999 - Other - Rubber or Neoprene



Location: Stairs
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 500.00
Unit of Measure: S.F.
Estimate: $14,669.00
Assessor Name: Eduardo Lopez
Date Created: 01/27/2020

Notes: The rubber or Neoprene floor finish is beyond its expected service life, worn and damaged, and is recommended for replacement.

Priority 5 - Grandfathered Project triggered:

System: D4010 - Sprinklers

This deficiency has no image.

Location: Throughout Building
Distress: Missing
Category: Code Compliance
Priority: 5 - Grandfathered Project triggered
Correction: Renew System
Qty: 13,279.00
Unit of Measure: S.F.
Estimate: $66,023.00
Assessor Name: Eduardo Lopez
Date Created: 08/16/2013

Notes: No sprinkler system installed, client requested standard.

System: D4020 - Standpipes

This deficiency has no image.

Location: Throughout Building
Distress: Missing
Category: Code Compliance
Priority: 5 - Grandfathered Project triggered
Correction: Renew System
Qty: 13,279.00
Unit of Measure: S.F.
Estimate: $5,258.00
Assessor Name: Eduardo Lopez
Date Created: 08/16/2013

Notes: No sprinkler system installed, client requested standard.

Executive Summary

The condition of a Campus is the accumulation of the condition evaluations of the component buildings and the site. Building condition is evaluated based on the functional systems and elements of a building and organized according to the **UNIFORMAT II Elemental Classification**. eCOMET uses parametric estimating methodology whereby historical costs for systems, components and equipment are collected by entities such as RSMeans and converted to unit costs, typically $/SF, and used to approximate future construction costs or replacement values. The grouping of these systems and elements and applying a current replacement value to them develops a representative building cost model. Cost Models are developed for similar building types and functions. Systems and their elements are evaluated based on their current replacement values, life cycles, installation dates and next renewal dates. Systems and their elements that are within their useful lives are further evaluated to identify current deficient conditions that may have a significant impact on a system's or element's remaining service life, and to determine if they are beyond their predicted expected life. The system's or element's current replacement value is based on RS Means Commercial Cost Data.

Following are the cost model's system details for this facility. The **Current Replacement Value (CRV)** is the amount needed to replace the property of the same present scope. The **Repair Cost** (the sum of the cost to repair/replace the Deficiencies) represents the budgeted contractor-installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging of the work. **Facility Condition Index (FCI)** is an industry-standard measurement of facility condition calculated as the ratio of the costs to correct a facility's deficiencies (Condition Needs) to the facility's Current Replacement Value. It ranges from 0% (new) to 100% (very poor - beyond service life). The **Remaining Service Life Index (RSLI)** is calculated as the sum of a renewable system's **Remaining Service Life (RSL)** divided by the sum of a system's Replacement Value (both values exclude soft-cost to simplify calculation updates) expressed as a percentage ranging from 100% (new) to 0% (expired). The relationship between the key metrics FCI and RSLI is an important indicator, at either the facility, building, system, or component levels, of the condition trend and the imminent need for capital renewal. These indices exist in an inverse relationship wherein the FCI increases when systems reach their expected life-cycle age, whereas the RSLI decreases annually indicating the relative time remaining before reaching the life-cycle expiration age. For example, a facility or a system with a high RSLI and a low FCI indicates it is in the early portion of its useful life. However, a low RSLI indicates that expiration dates are approaching at which point the FCI would increase. The term **FCA Score** is the inverse of Total FCI and calculated as 100-Total FCI (without the %) where 100 is best and 0 is worst condition.

Function:	
Gross Area (SF):	76,672
Year Built:	1947
Last Renovation:	
Replacement Value:	$2,807,729
Repair Cost:	$0.00
Total FCI:	0.00 %
Total RSLI:	45.63 %
FCA Score:	100.00

Description:

The narrative for this site is included in the Executive Summary Description at the front of this report.

Attributes: This asset has no attributes.

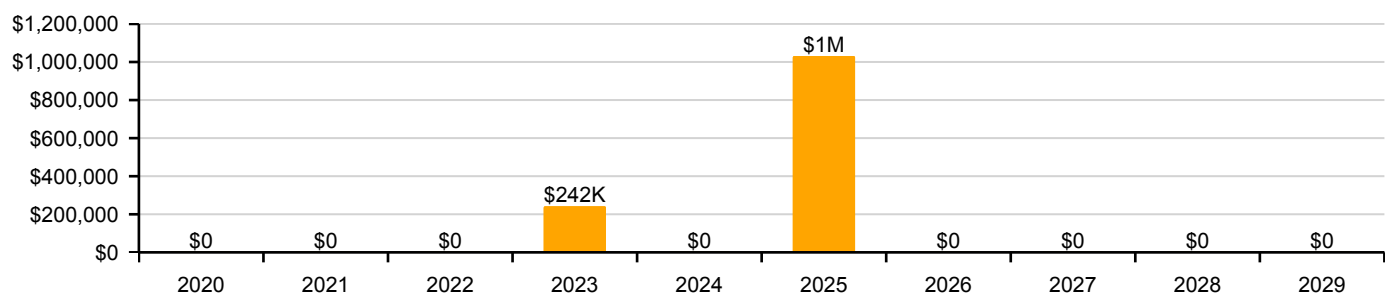
Dashboard Summary

Function:		Gross Area:	76,672
Year Built:	1947	Last Renovation:	
Repair Cost:	$0	Replacement Value:	$2,807,729
FCI:	0.00 %	RSLI%:	45.63 %

No data found for this asset

No data found for this asset

No data found for this asset



Condition Summary

The Table below shows the RSLI and FCI for each major building system shown at the UNIFORMAT II classification Level 2. Note that Systems with lower FCIs require less investment than systems with higher FCIs.

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
G20 - Site Improvements	47.17 %	0.00 %	$0.00
G30 - Site Mechanical Utilities	48.00 %	0.00 %	$0.00
G40 - Site Electrical Utilities	38.36 %	0.00 %	$0.00
Totals:	**45.63 %**	**0.00 %**	**$0.00**

Photo Album

The photo album consists of the various cardinal compass directions of the building..

Condition Detail

This section of the report contains results of the Facility Condition Assessment. The building is separated into system components based on UNIFORMAT II. The columns in the System Listing table represent the following:

1. System Code: A code that identifies the system.
2. System Description: A brief description of a system present in the building.
3. Unit Price $: The unit price of the system.
4. UoM: The unit of measure of the system.
5. Qty: The quantity for the system
6. Life: Building Owners and Managers Association (BOMA) recommended system design life.
7. Year Installed: The date of system installation.
8. Calc Next Renewal Year: The date of system expiration based on the life, NR stands for non renewable.
9. Next Renewal Year: The suggested system expiration date by the assessor based on visual inspection.
10. RSLI: The Remaining Service Life Index of the system.
11. FCI: The Facility Condition Index of the system.
12. RSL: Remaining Service Life in years.
13. eCR: eCOMET Condition Rating (not used in this assessment)
14. Deficiency $: The financial investment to repair/replace system to address deficiency.
15. Replacement Value $: The replacement cost of the system as new construction.

System Listing

The System Listing table below lists each of the systems organized by their UNIFORMAT II classification. The assessment team was tasked with recording the most recent replacement year of each system, determining the remaining service life based on the theoretical life, and evaluating the condition to confirm the forecast next replacement year. The system listing is the basis for all data contained in the Building Assessment Report.

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
G2010	Roadways	$2.37	S.F.	76,672	35	2005	2040		60.00 %	0.00 %	21			$181,713
G2020	Parking Lots	$8.00	S.F.	76,672	35	2005	2040		60.00 %	0.00 %	21			$613,376
G2030	Pedestrian Paving	$2.33	S.F.	76,672	35	2005	2040		60.00 %	0.00 %	21			$178,646
G2040105	Fence & Guardrails	$1.15	S.F.	76,672	30	2005	2035		53.33 %	0.00 %	16			$88,173
G2040950	Football/Soccer Field	$4.45	S.F.	76,672	20	2005	2025		30.00 %	0.00 %	6			$341,190
G2040950	Hard Surface Play Area	$0.71	S.F.	76,672	20	1999	2019	2025	30.00 %	0.00 %	6			$54,437
G2040950	Playing Field	$4.28	S.F.	76,672	20	2005	2025		30.00 %	0.00 %	6			$328,156
G2040950	Track	$0.80	S.F.	76,672	20	2005	2025		30.00 %	0.00 %	6			$61,338
G2050	Landscaping	$1.18	S.F.	76,672	25	2007	2032		52.00 %	0.00 %	13			$90,473
G3010	Water Supply	$1.09	S.F.	76,672	50	1993	2043		48.00 %	0.00 %	24			$83,572
G3020	Sanitary Sewer	$2.20	S.F.	76,672	50	1993	2043		48.00 %	0.00 %	24			$168,678
G3030	Storm Sewer	$1.25	S.F.	76,672	50	1993	2043		48.00 %	0.00 %	24			$95,840
G4010	Electrical Distribution	$2.55	S.F.	76,672	30	1993	2023		13.33 %	0.00 %	4			$195,514
G4020	Site Lighting	$2.98	S.F.	76,672	30	2005	2035		53.33 %	0.00 %	16			$228,483
G4030	Site Communication and Security	$1.28	S.F.	76,672	30	2005	2035		53.33 %	0.00 %	16			$98,140
								Total	**45.63 %**					**$2,807,729**

System Notes

The facility description in the executive summary contains an overview of each system. The system notes listed below provide additional information on select systems found within the facility.

System: G2010 - Roadways



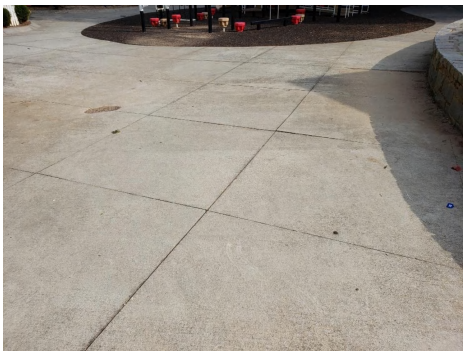
Note:

System: G2020 - Parking Lots



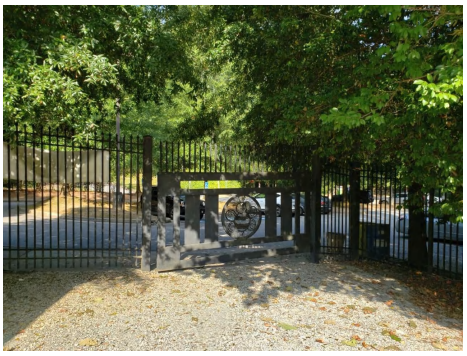
Note:

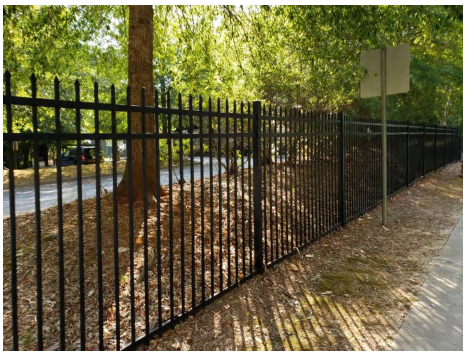
System: G2030 - Pedestrian Paving




Note:

System: G2040105 - Fence & Guardrails





Note:

System: G2040950 - Football/Soccer Field


Note:

System: G2040950 - Hard Surface Play Area



Note:

System: G2040950 - Playing Field



Note:

System: G2040950 - Track



Note:

System: G3010 - Water Supply

Note:

System: G3020 - Sanitary Sewer



Note:

System: G3030 - Storm Sewer



Note:

System: G4010 - Electrical Distribution

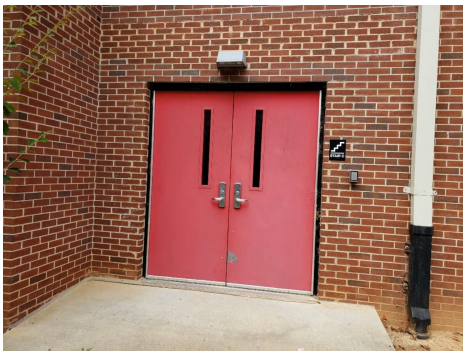
Note:

System: G4020 - Site Lighting



Note:

System: G4030 - Site Communication and Security



Note:

Renewal Schedule

eCOMET forecasts future Capital Renewal projects for expiring systems based on the Calculated Next Renewal year found in the System Listing table. There is a 3% yearly inflation factor applied to the system costs expiring in the future. The table below reflects Capital Renewal projects over the next 10 years. Note: Blank cells (or $0) indicate no systems are scheduled for renewal in that year.

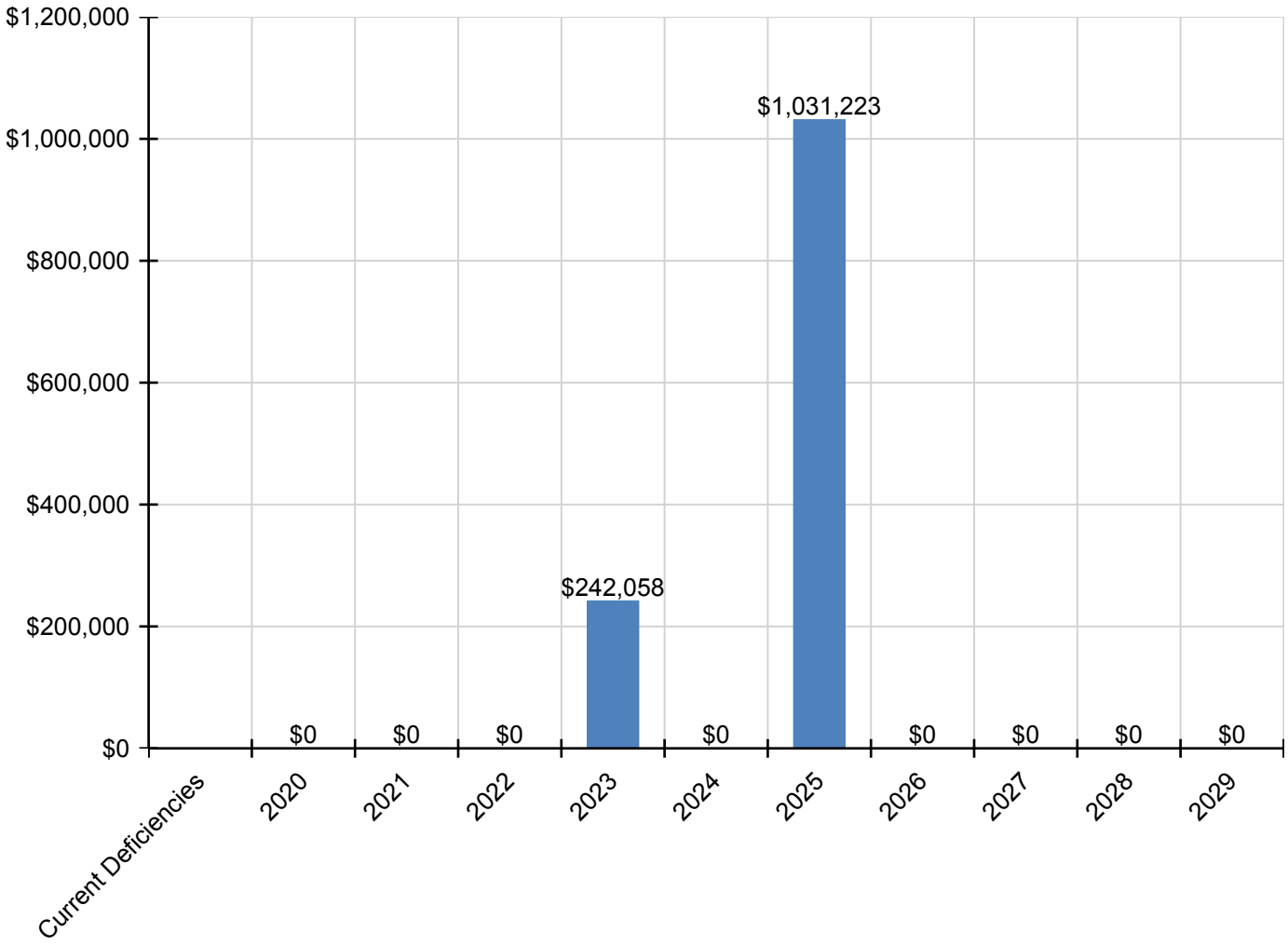
Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:		**$0**	**$0**	**$0**	**$242,058**	**$0**	**$1,031,223**	**$0**	**$0**	**$0**	**$0**	**$1,273,281**
G - Building Sitework	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G20 - Site Improvements	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2010 - Roadways	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2020 - Parking Lots	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2030 - Pedestrian Paving	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Site Development	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040105 - Fence & Guardrails	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040950 - Football/Soccer Field	$0	$0	$0	$0	$0	$0	$448,139	$0	$0	$0	$0	**$448,139**
G2040950 - Hard Surface Play Area	$0	$0	$0	$0	$0	$0	$71,501	$0	$0	$0	$0	**$71,501**
G2040950 - Playing Field	$0	$0	$0	$0	$0	$0	$431,019	$0	$0	$0	$0	**$431,019**
G2040950 - Track	$0	$0	$0	$0	$0	$0	$80,564	$0	$0	$0	$0	**$80,564**
G2050 - Landscaping	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G30 - Site Mechanical Utilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G3010 - Water Supply	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G3020 - Sanitary Sewer	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G3030 - Storm Sewer	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G40 - Site Electrical Utilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G4010 - Electrical Distribution	$0	$0	$0	$0	$242,058	$0	$0	$0	$0	$0	$0	**$242,058**
G4020 - Site Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G4030 - Site Communication and Security	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

** Indicates non-renewable system*

Forecasted Capital Renewal Requirement

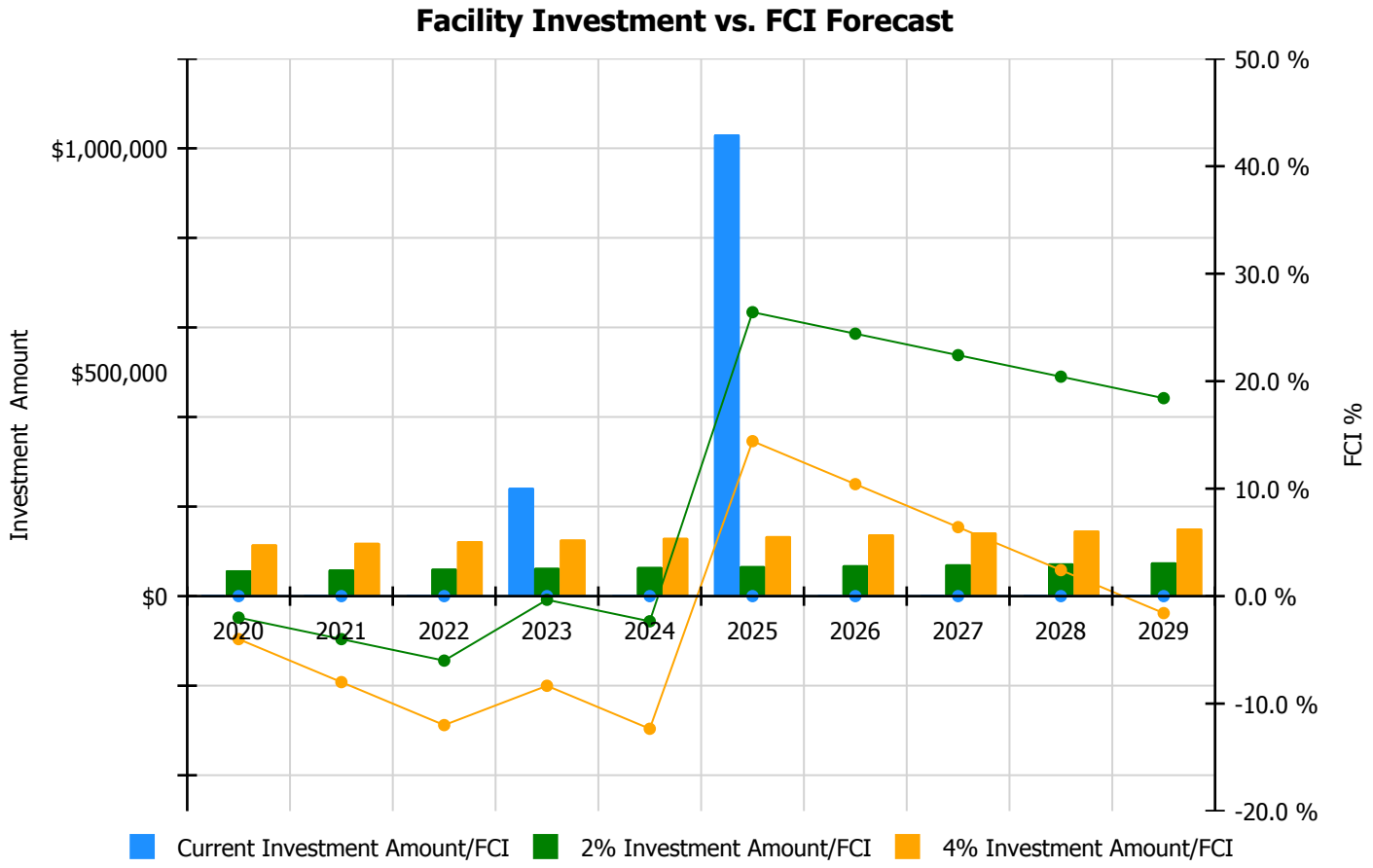
The following chart shows the current building deficiencies and forecasted capital renewal (sustainment) requirements over the next ten years.



Condition Index Forecast by Investment Scenario

The chart below illustrates the effect of various investment levels on the building FCI for the next 10 years. The levels of investment shown below include:

- Current FCI: a variable investment amount based on renewing expired systems to maintain the current FCI for the building
- 2% Investment: an annual investment of 2% of the replacement value of the building, escalated for inflation
- 4% Investment: an annual investment of 4% of the replacement value of the building, escalated for inflation



Year	Investment Amount Current FCI - 0%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	$0	$57,839.00	-2.00 %	$115,678.00	-4.00 %
2021	$0	$59,574.00	-4.00 %	$119,149.00	-8.00 %
2022	$0	$61,362.00	-6.00 %	$122,723.00	-12.00 %
2023	$242,058	$63,202.00	-0.34 %	$126,405.00	-8.34 %
2024	$0	$65,099.00	-2.34 %	$130,197.00	-12.34 %
2025	$1,031,223	$67,052.00	26.42 %	$134,103.00	14.42 %
2026	$0	$69,063.00	24.42 %	$138,126.00	10.42 %
2027	$0	$71,135.00	22.42 %	$142,270.00	6.42 %
2028	$0	$73,269.00	20.42 %	$146,538.00	2.42 %
2029	$0	$75,467.00	18.42 %	$150,934.00	-1.58 %
Total:	**$1,273,281**	**$663,062.00**		**$1,326,123.00**	

Deficiency Summary by System

Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart lists all current deficiencies associated with this facility.

No data found for this asset

Deficiency Summary by Priority

The following chart shows the total repair costs broken down by priority. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

No data found for this asset

Deficiency By Priority Investment Table

The table below shows the current investment cost grouped by deficiency priority and building system.

No data found for this asset

Deficiency Summary by Category

The following chart shows the total repair costs broken down by deficiency categories. Assessors assigned deficiencies to one of the following categories:

No data found for this asset

Deficiency Details by Priority

The deficiency detail notes listed below provide additional information on identified deficiencies found within the facility.

No data found for this asset

Glossary

Abandoned	A facility owned by the city that is not occupied and not maintained. See Vacant.
Additional Cost	Total project cost is composed of hard and soft costs. Additional costs or soft expenses are costs that are necessary to accomplish the corrective work but are not directly attributable to the deficient systems direct construction cost, which are often referred to as hard cost. The components included in the soft costs vary by owner but usually include architect and contractor fees, contingencies and other owner-incurred costs necessary to fully develop and build a facility. These soft cost factors can be adjusted anytime within the eCOMET database at the owner's discretion.
Assessment	Visual survey of a facility to determine its condition. It involves looking at the age of systems, reviewing information from local sources and visual evidence of potential problems to assign a condition rating. It does not include destructive testing of materials or testing of systems or equipment for functionality.
ASTM	ASTM International (ASTM): Originally known as the American Society for Testing and Materials, ASTM is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.
BOMA	Building Owners Managers of America (BOMA): National organization of public and private facility owners focused on building management tools and maintenance techniques. eCOMET® reference: Building and component system effective economic life expectancies.
Building	A fully enclosed and roofed structure that can be traversed internally without exiting to the exterior.
Building Addition	An area, space or component of a building added to a building after the original building's year built date. NOTE: As a convention in the database, "Main" was used to designate the original building. Additions built prior to 1987 (30 years) were included in the main building area calculations to reflect their predicted system depreciation characteristics and remaining service life.
Building Systems	eCOMET® uses UNIFORMAT II to organize building data. UNIFORMAT II was originally developed by the federal General Services Administration to delineate building costs by systems rather than by material. UNIFORMAT II was formalized by an NIST standard, NISTIR 6389 in 1999. It has been further quantified and updated by ASTM standard 2005, E1557-05. The Construction Specifications Institute, CSI, has taken over the standard as part of their MasterFormat / MasterSpec system.
Calculated Next Renewal	The year a system or building element would be expected to expire based solely on the date it was installed and the expected useful lifetime for that kind of system.
Capital Renewal	Capital renewal refers to the cyclical replacement of building systems or elements as they become obsolete or beyond their useful life. It is not normally included in an annual operating/maintenance budget. See calculated next renewal and next renewal.
City Cost Index (CCI)	RS Means provides building system, equipment, and construction costs at a national level. The City Cost Index (also provided by RS Means) localizes those costs to a geographic region of the United States. In eCOMET®, each building or site is assigned a City Cost Index, which adjusts all of the associated costs for systems, deficiencies and inventory to the local value.
Condition	Condition refers to the state of physical fitness or readiness of a facility system or system element for its intended use.
Condition Budget	The Condition Budget, also known as Condition Needs, represents the budgeted contractor installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging the work.

Condition Index (CI) %	The Condition Index (CI) also known as the Remaining Service Life Index (RSLI) is calculated as the sum of a renewable system's Remaining Service Life (RSL) Value divided by the sum of a system's Replacement Value (both values exclude soft cost to simplify calculation updates) expressed as a percentage ranging from 100.00% (new) to 0.00% (expired - no remaining life).
Correction	Correction refers to an assessor's recommended deficiency repair or replacement action. For any system or element deficiency, there can be multiple and alternative solutions for its repair or replacement. A Correction is user defined and tied to a UNIFORMAT II element, or system it is intended to address. It excludes other peripheral costs that may also be included in the packaging of repair, replacement or renewal improvements that may also be triggered by the deficiency correction.
Cost Model	A cost model is a list of facility systems which could represent the installed systems a given facility. Included in the cost model are standard unit cost estimates, gross areas, life cycles and installed dates. Also represented is the repair cost for deficient systems, replacement values. See eCOMET® cost models.
Criteria	Criteria refer to the set of requirements, guidelines or standards that are assessed and rated to develop a score.
Current Period	The Current Period is the current year plus a user defined number of forward years.
Current Replacement Value (CRV)	The Current Replacement Value (CRV) of a facility, building or system represents the hypothetical cost of rebuilding or replacing an existing facility under today's codes and construction standards, using its current configuration. It is calculated by multiplying the gross area of the facility by a square foot cost developed in that facility's cost model. Replacement cost includes construction costs and owner's additional or soft costs for fees, permits and other expenses to reflect a total project cost.
Deferred Maintenance	Deferred maintenance is condition work deferred on a planned or unplanned basis to a future budget cycle or postponed until funds are available.
Deficiency	A deficiency is a repair item that is damaged, missing, inadequate or insufficient for an intended purpose.
Deficiency Category	Category refers to the type or class of a user defined deficiency grouping with shared or similar characteristics. Category descriptions include, but are not limited to: Accessibility Code Compliance, Appearance, Building Code Compliance, Deferred Maintenance, Energy, Environmental, Life Safety Code Compliance, and Safety.
Deficiency Priority	Priority refers to a deficiency's urgency for repair as determined by the assessment team. Five typical industry priority settings were used for the assessment: Priority 1 – Currently Critical; Priority 2 – Potentially Critical; Priority 3 – Necessary/Not Yet Critical; Priority 4 – Recommended.
Distress	Distress refers to a user-defined root cause of a deficiency. Distress descriptions are: Beyond Service Life, Damaged, Inadequate, Needs Remediation, and Missing.
eCOMET®	Energy and Condition Management Estimation Technology (eCOMET®) is Parsons proprietary facility asset management software developed to provide facility managers with a state of the art, web-based tool to develop and maintain a comprehensive database of FCA data and information used for facility asset management, maintenance and repair, and capital renewal planning. eCOMET® is used by Parsons and its clients as the primary tool for collecting FCA data, preparing cost estimates, generating individual facility reports and cost estimates, and developing the overall capital renewal program.
eCOMET® Cost Models	eCOMET cost models are derived from RS Means Square Foot Cost Data cost models and these models are used to develop the current replacement value (CRV) and assign life cycle costs to the various systems within a building. Cost models are assigned current costs-per-square-foot to establish replacement values. The Cost models are designed to represent a client specific facility that meets local standards cost trends.

Element	Elements are the major components that comprise building systems as defined by UNIFORMAT II.
Expected Life	Also referred to as Useful Life. See Useful Life definition.
Facility	A facility refers to site(s) building(s) or building addition(s) or combinations thereof that provide a particular service.
Facility Attributes	Customizable eCOMET fields to identify attributes specific to a facility. These fields are part of the eCOMET database set-up with the owner.
Facility Condition Assessment (FCA)	A facility condition assessment (FCA) is a visual inspection of buildings and grounds at a facility to identify and estimate current and future needed repairs or replacements of major systems for planning and budgeting purposes. It is typically performed for organizations that are tasked with the day to day maintenance, operation, and capital renewal (replacement) of building systems and components of a large inventory of facilities. The primary goal of an FCA is to objectively and quantifiably identify, inspect, and prioritize the repair and replacement needs of the building and ground systems (e.g., roofs, windows, doors, floor finishes, plumbing fixtures, parking lot, and sidewalks) within facilities that have either failed or have surpassed their service life, and to identify and forecast future capital replacement needs for systems that have not yet failed, but planned replacement of those systems is needed to ensure that the facilities will continue to meet the mission of the organization.
Facility Condition Index (FCI%)	FCI is an industry-standard measurement of a facility's condition that is the ratio of the cost to correct a facility's deficiencies to the Current Replacement Value of the facilities. The higher the FCI the poorer the condition of a facility. After an FCI is established for all buildings within a portfolio a building's condition can be ranked relative to other buildings. The FCI may also represent the condition of a portfolio based on the cumulative FCIs of the portfolio's facilities.
Forecast Period	The Forecast Period refers to a user defined number of years forward of the Current Period.
Gen (Generate)	The Cost Model has a Gen box for each system line item. By checking the box, eCOMET will generate life cycle deficiencies based on the Year Installed and the Life for that system. Systems that typically do not re-generate (foundations, floor construction, roof construction, basement walls, etc.) would not have the Gen box checked as those systems would not re-generate at the end of a life cycle. In those instances, it would be more practical and cost effective to demolish the entire facility than re-new those systems.
Gross Square Feet (GSF)	The size of the enclosed floor space of a building in square feet measured to the outside face of the enclosing wall.
Life Cycle	Life cycle refers to the period of time that a building or site system or element can be expected to adequately serve its intended function. Parsons assigns expected life cycles to all building systems based on Building Operators and Managers of America (BOMA) recommended life cycles, manufacturers suggested life, and RS Means cost data, and client-provided historical data. BOMA standards are a nationally recognized source of life cycle data for various components and/or systems associated with facilities. RS Means is a national company specializing in construction estimating and costs.
Next Renewal	Next Renewal refers to a manually-adjusted expected useful life of a system or element based on on-site inspection either by reducing or extending the Calculated Next Renewal to more accurately reflect current conditions.
Order of Magnitude	Order of Magnitude refers to a rough approximation made with a degree of knowledge and confidence that the budgeted, projected or estimated cost falls within a reasonable range of cost values.
Remaining Service Life (RSL)	RSL is the number of years service remaining for a system or equipment item. It is automatically calculated based on the difference between the current year and the 'Calculated Next Renewal' date or the 'Next Renewal' date whichever one is the later date.

Remaining Service Life Index (RSLI)	The Remaining Service Life Index (RSLI), also known as the Condition Index (CI), is calculated as the sum of a renewable system's or component's Remaining Service Life (RSL) Value divided by the sum of a system's or component's Replacement Value (both values exclude softcost to simplify calculation updates) expressed as a percentage ranging from 100.00% (new) to 0.00% (expired - no remaining service life).
Remaining Service Life Value	Remaining Service Life Value, also known as the RSL Weight, is a calculated value used to determine the RSLI and is equal to the system Value (Unit Cost * Qty) * RSL (not displayed).
Renewal Factors	Renewal factors represent the difference in cost of renovating or replacing an existing system, rather than new construction of a building system. For example, installing a new built-up roof on an existing building would include removing and disposing of the old roof, a cost not associated with new construction. Using a renewal premium to account for demolition and other difficulty costs, Parsons typically assigns a renewal factor of 110%.
Renewal Schedule	A timeline that provides the items that need repair the year in which the repair is needed and the estimated price of the renewal.
Repair Cost	Repair cost is the sum of all the deficiencies associated with a building or multiple buildings/facilities. It will include any applied soft costs or City Cost Indexes.
Replacement Value	See Current Replacement Value.
Site	A facility's grounds and its utilities, roadways, landscaping, fencing and other typical land improvements needed to support a facility.
Soft Costs	Soft Costs are a construction industry term that refers to expense items that are not considered direct construction costs. Soft costs are user-defined and include architectural, engineering, management, testing, and mitigation fees, and other owner pre- and post-construction expenses.
Sustainability	Sustainability refers to the collection of policies and strategies that meet society’s present needs without compromising the ability of future generations to meet their own needs.
System	System refers to building and related site work elements as described by ASTM Uniformat II Classification for Building Elements (E1557-97) a format for classifying major facility elements common to most buildings. Elements usually perform a given function regardless of the design specification construction method or materials used. See also Uniformat II.
System Generated Deficiency	eCOMET automatically generates system deficiencies based on system life cycles using the systems installation dates as the base year. By adjusting the Next Renewal date ahead or behind the predicted or stated life cycle date, a system cost will come due earlier or later than the originally installed life cycle date. This utility accounts for good maintenance conditions and a longer life, or early expiration of a system life due to any number of adverse factors such as poor installation, acts of god, material defects, poor design applications and other factors that may shorten the life of a material or system. It is important to mention that the condition of the systems is not necessarily a reflection of maintenance practices, but a combination of system usage and age.
UNIFORMAT	ASTM UNIFORMAT II, Classification for Building Elements (E1557-97), a publication of the Construction Specification Institute (CSI), is a format used to classify major facility components common to most buildings. The format is based on functional elements or parts of a facility characterized by their functions without regard to the materials and methods used to accomplish them. These elements are often referred to as systems or assemblies.
Unit Price	The Unit Price (Raw) x the Additional Cost Template percentage.
Unit Price (Raw)	The actual $/sq. ft. cost being used for the building and systems. It will include adjustments for the City Cost Index applied to the facility.

Useful Life	Also known as Expected Life, Useful Life refers to the intrinsic period of time a system or element is expected to perform as intended. Useful life is generally provided by manufacturers of materials, systems and elements through their literature, testing and experience. Useful Lives in the database are derived from the Building Owners and Managers (BOMA) organization's guidelines, RSMeans cost data, and from client- defined historical experience.
Vacant	Vacant refers to a facility that is not occupied but is a maintained facility. See Abandoned.
Year Built	The year that a building or addition was originally built based on substantial completion or occupancy.
Year Installed	The year a system or element was built or the most recent major renovation date where a minimum of 70% of the system's Current Replacement Value (CRV) was replaced.

BASYS
Building Assessment System

Suitability Report - Full

Project #:	12382	County:	Atlanta Public Schools	Site #:	2053
Project:	APS Assessments 2019	Region:	761	Site:	Brandon ES
Grade Config:	2-5	Site Type:	Elementary	Site Size:	10.00

Suitability	Rating	Score	Possible Score	Percent Score
Suitability - ES				
Learning Environment				
Learning Style Variety	Good	4.00	5.00	80.00
Interior Environment	Fair	1.30	2.00	65.00
Exterior Environment	Good	1.20	1.50	80.00
General Classrooms				
Environment	Fair	3.02	4.65	65.00
Size	Excel	11.63	11.63	100.00
Location	Good	2.79	3.49	80.00
Storage/Fixed Equip	Fair	2.27	3.49	65.00
Kindergarten				
Environment	(N/A)	0.00	0.00	0.00
Size	(N/A)	0.00	0.00	0.00
Location	(N/A)	0.00	0.00	0.00
Storage/Fixed Equip	(N/A)	0.00	0.00	0.00
ECE				
Environment	(N/A)	0.00	0.00	0.00
Size	(N/A)	0.00	0.00	0.00
Location	(N/A)	0.00	0.00	0.00
Storage/Fixed Equip	(N/A)	0.00	0.00	0.00
Self-Contained Special Ed				
Environment	(N/A)	0.00	0.00	0.00
Size	(N/A)	0.00	0.00	0.00
Location	(N/A)	0.00	0.00	0.00
Storage/Fixed Equip	(N/A)	0.00	0.00	0.00
Instructional Resource Rooms				
Environment	Good	0.58	0.72	80.00
Size	Excel	1.80	1.80	100.00
Location	Good	0.43	0.54	80.00
Storage/Fixed Equip	Good	0.43	0.54	80.00
Science				
Environment	Good	0.32	0.40	80.00
Size	Excel	1.00	1.00	100.00
Location	Good	0.24	0.30	80.00
Storage/Fixed Equip	Poor	0.15	0.30	50.00
Music				
Environment	Good	0.59	0.74	80.00

Project #:	12382	County:	Atlanta Public Schools	Site #:	2053
Project:	APS Assessments 2019	Region:	761	Site:	Brandon ES
Grade Config:	2-5	Site Type:	Elementary	Site Size:	10.00

Suitability	Rating	Score	Possible Score	Percent Score
Size	Fair	1.20	1.85	65.00
Location	Good	0.44	0.56	80.00
Storage/Fixed Equip	Good	0.44	0.56	80.00
Art				
Environment	Good	0.37	0.47	80.00
Size	Excel	1.17	1.17	100.00
Location	Good	0.28	0.35	80.00
Storage/Fixed Equip	Good	0.28	0.35	80.00
Maker Space				
Environment	(N/A)	0.00	0.00	0.00
Size	(N/A)	0.00	0.00	0.00
Location	(N/A)	0.00	0.00	0.00
Storage/Fixed Equip	(N/A)	0.00	0.00	0.00
Computer Labs				
Environment	Good	0.27	0.34	80.00
Size	Fair	0.55	0.85	65.00
Location	Good	0.20	0.26	80.00
Storage/Fixed Equip	Good	0.20	0.26	80.00
P.E.				
Environment	Good	1.54	1.92	80.00
Size	Excel	4.80	4.80	100.00
Location	Good	1.15	1.44	80.00
Storage/Fixed Equip	Good	1.15	1.44	80.00
Performing Arts				
Environment	Unsat	0.00	0.60	0.00
Size	Unsat	0.00	1.51	0.00
Location	Unsat	0.00	0.45	0.00
Storage/Fixed Equip	Unsat	0.00	0.45	0.00
Media Center				
Environment	Good	0.78	0.97	80.00
Size	Good	1.95	2.44	80.00
Location	Good	0.58	0.73	80.00
Storage/Fixed Equip	Good	0.58	0.73	80.00
Restrooms (Student)	Good	0.71	0.89	80.00
Administration	Fair	1.66	2.56	65.00
Counseling	Good	0.23	0.29	80.00
Clinic	Fair	0.38	0.58	65.00
Staff WkRm/Toilets	Good	1.01	1.27	80.00
Cafeteria	Good	4.00	5.00	80.00
Food Service and Prep	Fair	4.03	6.20	65.00
Custodial and Maintenance	Good	0.40	0.50	80.00
Outside				
Vehicular Traffic	Fair	1.30	2.00	65.00
Pedestrian Traffic	Fair	0.63	0.97	65.00
Parking	Good	0.65	0.81	80.00
Play Areas	Excel	2.34	2.34	100.00

Project #:	12382	County:	Atlanta Public Schools	Site #:	2053
Project:	APS Assessments 2019	Region:	761	Site:	Brandon ES
Grade Config:	2-5	Site Type:	Elementary	Site Size:	10.00

Suitability	Rating	Score	Possible Score	Percent Score
Safety and Security				
Fencing	Good	0.60	0.75	80.00
Signage & Way Finding	Good	0.80	1.00	80.00
Ease of Supervision	Good	2.40	3.00	80.00
Controlled Entrances	Good	0.40	0.50	80.00
Total For Site:		**71.28**	**91.27**	**78.10**

Comments

Suitability - ES

Brandon elementary school hosts grades 3-5 and has a International Baccalaureate program. The school has had multiple additions but the original building was constructed in 1952 and is of an art deco style. The building is a total of three stories including its ground floor.

Suitability - ES->Learning Environment-->Interior Environment

There is no control to the lighting levels due to one setting of the artificial light. There are no shades or blinds on half the windows to the classrooms.

Suitability - ES->General Classrooms-->Environment

There is no control to the lighting levels due to one setting of the ratification light and no shades or blinds on half the windows to the classrooms.

Suitability - ES->General Classrooms-->Storage/Fixed Equip

Some classrooms lack fixed storage.

Suitability - ES->Science-->Storage/Fixed Equip

There is not adequate fixed storage or lockable storage to support classroom instruction.

Suitability - ES->Music-->Size

The music rooms are 65% of the size standard.

Suitability - ES->Computer Labs-->Size

The classroom is 75% of the recommended size.

Suitability - ES->Performing Arts-->Environment

There is no stage or designated performing arts space.

Suitability - ES->Performing Arts-->Size

There is no stage or designated performing arts space.

Suitability - ES->Performing Arts-->Location

There is no stage or designated performing arts space.

Suitability - ES->Performing Arts-->Storage/Fixed Equip

There is no stage or designated performing arts space.

Suitability - ES->Administration

Records are not kept in safe/secure storage.

Suitability - ES->Clinic

There is only enough space for one cot.

Suitability - ES->Food Service and Prep

The kitchen does not have adequate size to accommodate efficient process of food prep.

Project #:	12382	County:	Atlanta Public Schools	Site #:	2053
Project:	APS Assessments 2019	Region:	761	Site:	Brandon ES
Grade Config:	2-5	Site Type:	Elementary	Site Size:	10.00

Suitability	Rating	Score	Possible Score	Percent Score

Suitability - ES->Outside-->Vehicular Traffic

The car drop off is far from the main entry requiring a significant amount of walking to the front door.

Suitability - ES->Outside-->Pedestrian Traffic

There are two routes for pedestrian walkers, one does not have a clear paved path to provide a safe route.