

Atlanta Public Schools/ N. Atlanta Cluster

North Atlanta High School

Revised

School Assessment Report

November 10, 2020



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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 $100 - \text{Total FCI}$ (without the %) where 100 is best and 0 is worst condition.

Gross Area (SF):	581,004
Year Built:	1977
Last Renovation:	
Replacement Value:	\$126,892,141
Repair Cost:	\$2,765,243.00
Total FCI:	2.18 %
Total RSLI:	71.74 %
FCA Score:	97.82



Description:

The North Atlanta High School is located at 4111 Northside Parkway, NW in Atlanta, GA. Consists of (2) main school buildings and (1) multi-level parking garage and was not part of the assessment. The original campus was constructed in 1977 with one narrow high-rise tower built in 1977 with a major renovation completed in 2013, and a new addition built in 2013 replacing the demolished 1987 tower. Ancillary buildings on campus include a concession/restrooms building, restrooms building and a small storage building adjacent to the football field. The total square footage of the 2 school buildings is 507,093.

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

A. SUBSTRUCTURE

The buildings rests on slab-on grade and is assumed to have special foundations with slab on grade. The additional building has a semi basement level.

School Assessment Report - North Atlanta High School

B. SUPERSTRUCTURE

Floor construction is concrete. Roof construction is metal pan deck with lightweight fill and steel. The exterior envelope is composed of cast-in-place concrete walls in the original building and with metal plate panels, cultured stone and curtain glass walls in the 2013 addition. Exterior windows are floor-to-ceiling aluminum frame with fixed pane. Exterior doors are hollow metal, frameless glass doors and aluminum frame with glazing. Roofing is typically low slope modified bitumen covering. Roof openings include roof hatch with fixed ladder access and skylights. 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 steel frames and mostly with glazing. Interior fittings include the following items: white boards, graphics and identifying devices, lockers, toilet accessories, storage shelving, handrails, fabricated toilet partitions. Stair construction includes concrete risers and concrete treads. The interior wall finishes are typically painted concrete walls and ceramic tile in restrooms wet wall. Floor finishes in common areas are typically vinyl composite tile. Floor finishes in assignable spaces is typically vinyl composition tile, epoxy, ceramic tile, carpet, sealed concrete, rubber/neoprene, vinyl sheet and wood finishes. Ceiling finishes in common areas are typically suspended acoustical tile. Ceiling finishes in assignable areas are typically suspended acoustical ceiling tiles.

D. SERVICES

CONVEYING: The buildings do include conveying equipment. Conveying equipment includes hydraulic and traction elevators, and 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 and gas hot water heaters. Sanitary waste system is cast iron. Rainwater drainage system is a combination of internal and external roof drains.

HVAC: Heating is provided by rooftop package units. Cooling is supplied by cooling towers and chillers. The heating/cooling distribution system is by ductwork system and 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.

FIRE PROTECTION: The buildings does have a fire sprinkler system. The building does have additional fire suppression systems, which include wet chemical kitchen hood protection system. Standpipes are included within fire stairs. Fire extinguishers and cabinets are distributed near fire exits and in corridors.

ELECTRICAL: The main electrical service is fed from a pad mounted transformer to the main switchboard/distribution panel located in the building. Lighting is typically lay-in type, fluorescent fixtures and assigned areas with pendant lighting. 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 throughout the building. The system is activated by manual pull stations and smoke detectors and the system is centrally monitored. The telephone and data systems are integrated and include dedicated equipment closets. This building has a local area network (LAN). The building has 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 interior and exterior CCTV cameras and is centrally monitored; this building has a public address and paging system separate from the telephone system.

OTHER ELECTRICAL SYSTEMS: This schools have a dedicated emergency power generation system with three automatic switchgear and one generator. Emergency and life safety egress lighting systems are installed and illuminated exit signs are present at exit doors.

E. EQUIPMENT & FURNISHINGS:

This schools includes the following items and equipment: fixed food service, athletic equipment, library equipment, theater and stage, audio-visual, laboratory, vehicle equipment, fixed casework, multiple seating and window treatment.

G. SITE

Campus site features include asphalt paved driveways and parking lots; concrete pedestrian pavements; retaining walls; landscaping; detention pond, play areas with equipment; ball fields with dugout structures, tennis courts, track, flagpole and fencing. Site mechanical and electrical features include water; sanitary and storm sewers; natural gas; underground fuel tanks and site lighting.

CODE REVIEW

ACCESSIBILITY: The school 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 school is fully covered with a wet sprinkler system. Fire extinguishers are located throughout the building. Power outlets in wet areas are GFCI protected. The fire alarm system includes detection devices, audio/visual alarms, and pull stations. Emergency/egress lighting is by battery and special circuit systems. Illuminated exit signage is present in corridors and at exit doors.

School Assessment Report - North Atlanta High School

Attributes:

General Attributes:

Arch Condition Assessor:	Eduardo Lopez	MEP Condition Assessor:	Eduardo Lopez
School Grades:	09, 10, 11, 12	DOE Drawing Total GSF:	507093
DOE Facility Number:	0127	Total # of Modular/Portables:	0
DOE Interior Site SF:	507093	Total GSF of Modular/Portables:	0
Approx. Acres:	56.5	Status:	Active

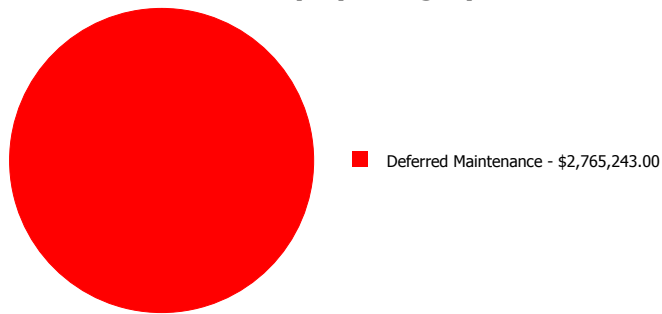
School Assessment Report - North Atlanta High School

School Dashboard Summary

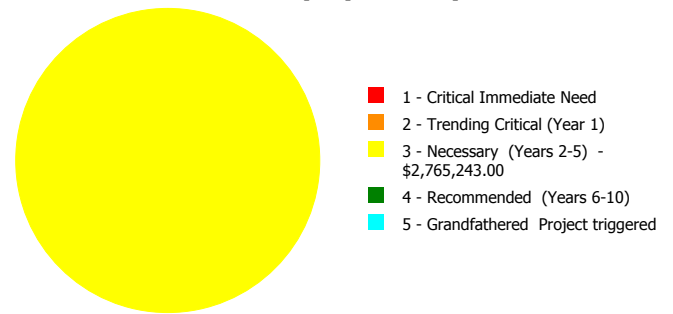
Gross Area: 581,004
 Year Built: 1977
 Repair Cost: \$2,765,243
 FCI: 2.18 %

Last Renovation:
 Replacement Value: \$126,892,141
 RSLI%: 71.74 %

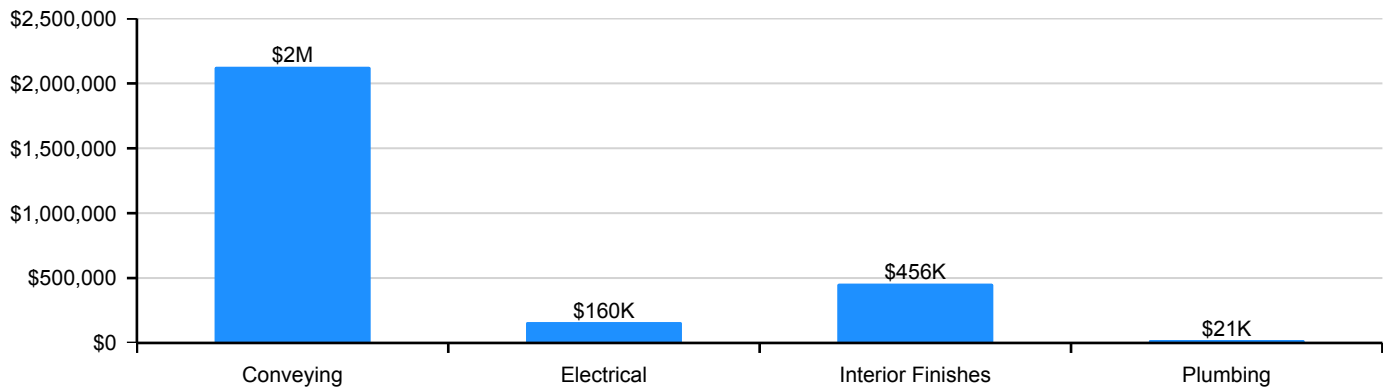
Deficiency By Category



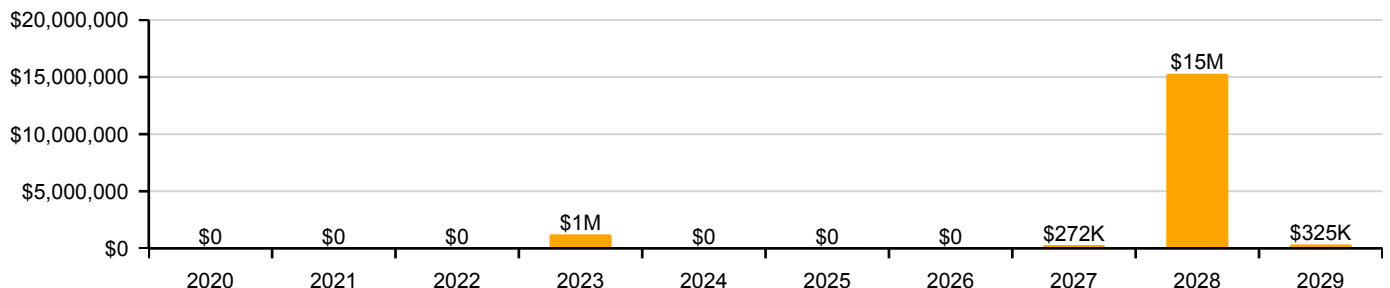
Deficiency By Priority



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.

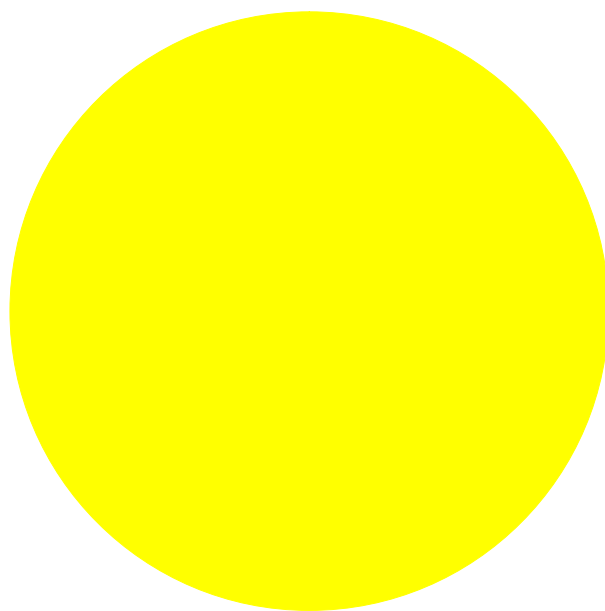
Current Investment Requirement and Condition by Unifomat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	86.33 %	0.00 %	\$0.00
B10 - Superstructure	71.66 %	0.00 %	\$0.00
B20 - Exterior Enclosure	73.48 %	0.00 %	\$0.00
B30 - Roofing	76.04 %	0.00 %	\$0.00
C10 - Interior Construction	87.08 %	0.00 %	\$0.00
C20 - Stairs	69.27 %	0.00 %	\$0.00
C30 - Interior Finishes	67.31 %	4.26 %	\$456,081.00
D10 - Conveying	14.54 %	87.16 %	\$2,127,571.00
D20 - Plumbing	72.55 %	0.43 %	\$21,497.00
D30 - HVAC	65.62 %	0.00 %	\$0.00
D40 - Fire Protection	78.40 %	0.00 %	\$0.00
D50 - Electrical	70.18 %	1.26 %	\$160,094.00
E10 - Equipment	70.00 %	0.00 %	\$0.00
E20 - Furnishings	70.00 %	0.00 %	\$0.00
G20 - Site Improvements	76.67 %	0.00 %	\$0.00
G30 - Site Mechanical Utilities	88.00 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	80.00 %	0.00 %	\$0.00
Totals:	71.74 %	2.18 %	\$2,765,243.00

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
1977 Bldg 5010	383,001	3.78	\$0.00	\$0.00	\$2,546,442.00	\$0.00	\$0.00
2013 Addition 5020	198,003	0.58	\$0.00	\$0.00	\$218,801.00	\$0.00	\$0.00
Site	507,093	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total:		2.18	\$0.00	\$0.00	\$2,765,243.00	\$0.00	\$0.00

Deficiencies By Priority



- 1 - Critical Immediate Need
- 2 - Trending Critical (Year 1)
- 3 - Necessary (Years 2-5) - \$2,765,243.00
- 4 - Recommended (Years 6-10)
- 5 - Grandfathered Project triggered

Budget Estimate Total: \$2,765,243.00

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.

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Function:	High
Gross Area (SF):	383,001
Year Built:	1977
Last Renovation:	2013
Replacement Value:	\$67,327,095
Repair Cost:	\$2,546,442.00
Total FCI:	3.78 %
Total RSLI:	64.79 %
FCA Score:	96.22



Description:

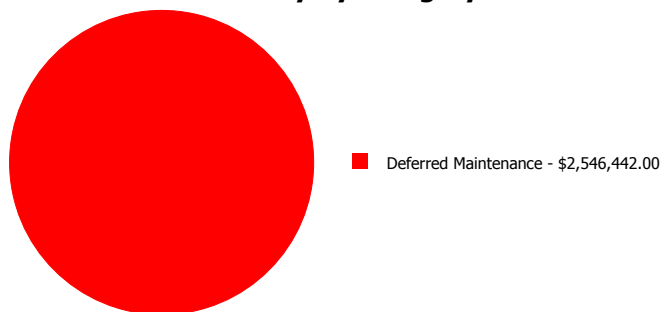
The narrative for this building is included in the Executive Summary Description at the front of this report.

Attributes: This asset has no attributes.

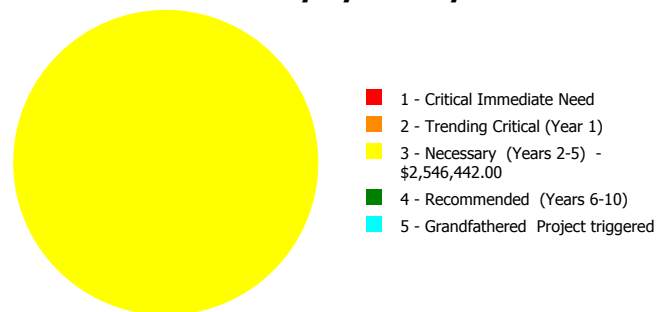
Dashboard Summary

Function:	High	Gross Area:	383,001
Year Built:	1977	Last Renovation:	2013
Repair Cost:	\$2,546,442	Replacement Value:	\$67,327,095
FCI:	3.78 %	RSLI%:	64.79 %

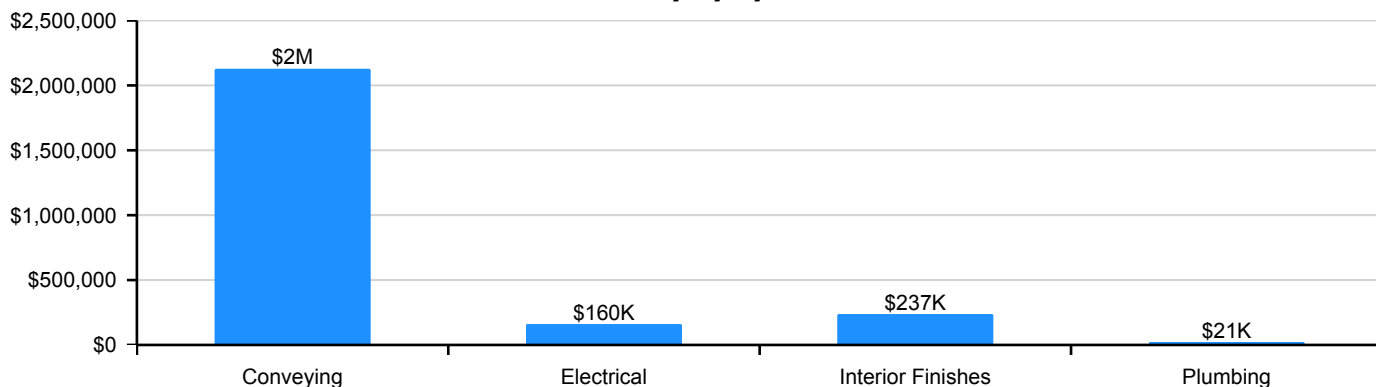
Deficiency By Category



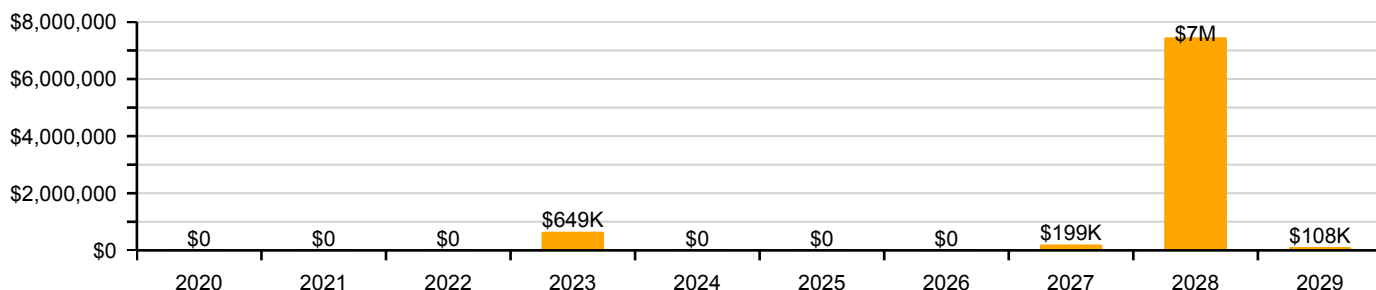
Deficiency By Priority



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	58.00 %	0.00 %	\$0.00
B10 - Superstructure	58.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	66.94 %	0.00 %	\$0.00
B30 - Roofing	76.10 %	0.00 %	\$0.00
C10 - Interior Construction	87.70 %	0.00 %	\$0.00
C20 - Stairs	58.00 %	0.00 %	\$0.00
C30 - Interior Finishes	64.14 %	3.67 %	\$237,280.00
D10 - Conveying	0.00 %	110.00 %	\$2,127,571.00
D20 - Plumbing	72.42 %	0.66 %	\$21,497.00
D30 - HVAC	67.41 %	0.00 %	\$0.00
D40 - Fire Protection	77.66 %	0.00 %	\$0.00
D50 - Electrical	69.77 %	1.86 %	\$160,094.00
E10 - Equipment	70.00 %	0.00 %	\$0.00
E20 - Furnishings	70.00 %	0.00 %	\$0.00
Totals:	64.79 %	3.78 %	\$2,546,442.00

Photo Album

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

1). East Elevation - Nov 22, 2019



2). North Elevation - Nov 22, 2019



3). West Elevation - Nov 22, 2019



4). Southwest Elevation - Nov 22, 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	\$0.92	S.F.	383,001	100	1977	2077		58.00 %	0.00 %	58			\$352,361
A1030	Slab on Grade	\$0.48	S.F.	383,001	100	1977	2077		58.00 %	0.00 %	58			\$183,840
B1010	Floor Construction	\$43.46	S.F.	383,001	100	1977	2077		58.00 %	0.00 %	58			\$16,645,223
B1020	Roof Construction	\$0.76	S.F.	383,001	100	1977	2077		58.00 %	0.00 %	58			\$291,081
B2010	Exterior Walls	\$14.01	S.F.	383,001	100	1977	2077		58.00 %	0.00 %	58			\$5,365,844
B2020	Exterior Windows	\$8.76	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$3,355,089
B2030	Exterior Doors	\$0.83	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$317,891
B3010105	Built-Up	\$7.15	S.F.	41,580	25	2013	2038		76.00 %	0.00 %	19			\$297,297
B3020	Roof Openings	\$0.18	S.F.	41,580	30	2013	2043		80.00 %	0.00 %	24			\$7,484
C1010	Partitions	\$6.15	S.F.	383,001	100	2013	2113		94.00 %	0.00 %	94			\$2,355,456
C1020	Interior Doors	\$4.19	S.F.	383,001	40	2013	2053		85.00 %	0.00 %	34			\$1,604,774
C1030	Fittings	\$1.55	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$593,652
C2010	Stair Construction	\$3.30	S.F.	383,001	100	1977	2077		58.00 %	0.00 %	58			\$1,263,903
C3010220	Tile	\$9.25	S.F.	24,503	30	2013	2043		80.00 %	0.00 %	24			\$226,653
C3010230	Paint & Covering	\$1.47	S.F.	356,498	10	2013	2023		40.00 %	0.00 %	4			\$524,052
C3010902	Wood Paneling	\$6.66	S.F.	2,000	15	2013	2028		60.00 %	0.00 %	9			\$13,320
C3020405	Epoxy	\$17.30	S.F.	8,606	15	2013	2028		60.00 %	0.00 %	9			\$148,884
C3020420	Ceramic Tile	\$16.74	S.F.	6,858	50	2013	2063		88.00 %	0.00 %	44			\$114,803
C3020901	Carpet	\$7.50	S.F.	19,064	8	2013	2021	2019	0.00 %	110.00 %	0		\$157,278.00	\$142,980
C3020903	VCT	\$3.48	S.F.	313,733	15	2013	2028		60.00 %	0.00 %	9			\$1,091,791
C3020999	Other - Concrete Finish	\$6.87	S.F.	14,368	100	2013	2113		94.00 %	0.00 %	94			\$98,708
C3020999	Other - Rubber or Neoprene	\$26.67	S.F.	2,727	10	2013	2023	2019	0.00 %	110.00 %	0		\$80,002.00	\$72,729
C3020999	Other - Vinyl Sheet	\$7.09	S.F.	17,645	15	2013	2028		60.00 %	0.00 %	9			\$125,103
C3030	Ceiling Finishes	\$10.20	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$3,906,610
D1010	Elevators and Lifts	\$5.05	S.F.	383,001	20	2013	2033	2019	0.00 %	110.00 %	0		\$2,127,571.00	\$1,934,155
D2010	Plumbing Fixtures	\$6.07	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$2,324,816
D2020	Domestic Water Distribution	\$0.66	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$252,781
D2030	Sanitary Waste	\$1.77	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$677,912
D2040	Rain Water Drainage	\$0.47	S.F.	41,580	20	1977	1997		0.00 %	110.00 %	-22		\$21,497.00	\$19,543
D3010	Energy Supply	\$0.61	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$233,631
D3030	Cooling Generating Systems	\$6.25	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$2,393,756
D3040	Distribution Systems	\$14.02	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$5,369,674

School Assessment Report - 1977 Bldg 5010

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 \$
D3050	Terminal & Package Units	\$5.86	S.F.	383,001	15	2013	2028		60.00 %	0.00 %	9			\$2,244,386
D3060	Controls & Instrumentation	\$2.28	S.F.	383,001	15	2013	2028		60.00 %	0.00 %	9			\$873,242
D4010	Sprinklers	\$4.22	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$1,616,264
D4020	Standpipes	\$0.47	S.F.	383,001	30	2013	2043		80.00 %	0.00 %	24			\$180,010
D4090	Other Fire Protection Systems	\$0.62	S.F.	383,001	15	2013	2028		60.00 %	0.00 %	9			\$237,461
D5010	Electrical Service/Distribution	\$1.49	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$570,671
D5020	Branch Wiring	\$5.11	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$1,957,135
D5020	Lighting	\$7.66	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$2,933,788
D5030810	Security & Detection Systems	\$1.51	Ea.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$578,332
D5030910	Fire Alarm Systems	\$2.74	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$1,049,423
D5030920	Data Communication	\$3.56	S.F.	383,001	25	2013	2038		76.00 %	0.00 %	19			\$1,363,484
D5090	Other Electrical Systems	\$0.38	S.F.	383,001	15	1987	2002		0.00 %	110.00 %	-17		\$160,094.00	\$145,540
E1020	Institutional Equipment	\$0.76	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$291,081
E1090	Other Equipment	\$1.32	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$505,561
E2010	Fixed Furnishings	\$1.24	S.F.	383,001	20	2013	2033		70.00 %	0.00 %	14			\$474,921
Total									64.79 %	3.78 %			\$2,546,442.00	\$67,327,095

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



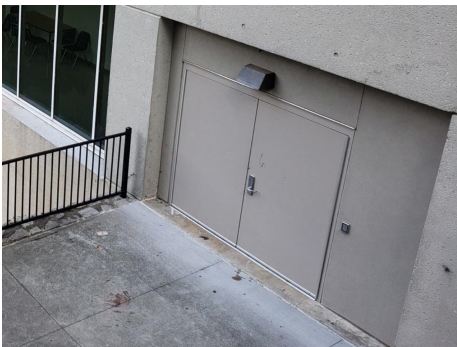
Note:

System: B2020 - Exterior Windows



Note:

System: B2030 - Exterior Doors



Note:

School Assessment Report - 1977 Bldg 5010

System: B3010105 - Built-Up



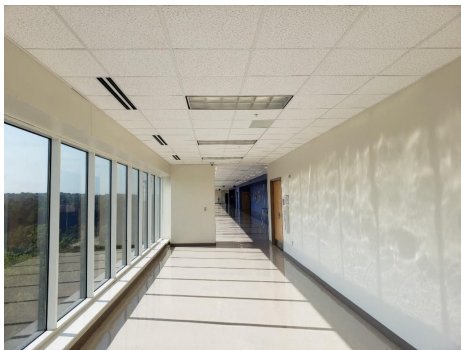
Note:

System: B3020 - Roof Openings



Note:

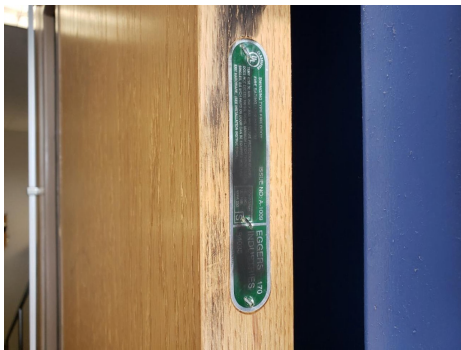
System: C1010 - Partitions



Note:

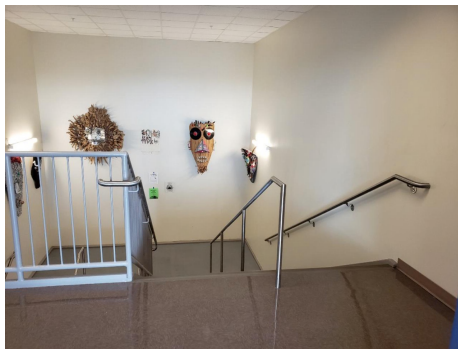
School Assessment Report - 1977 Bldg 5010

System: C1020 - Interior Doors



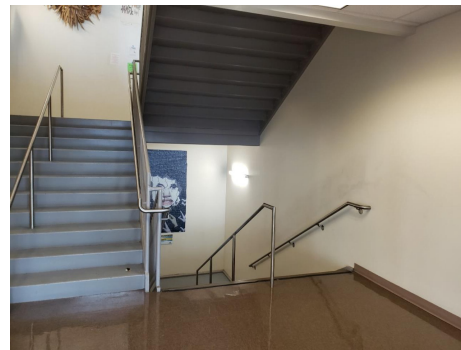
Note:

System: C1030 - Fittings



Note:

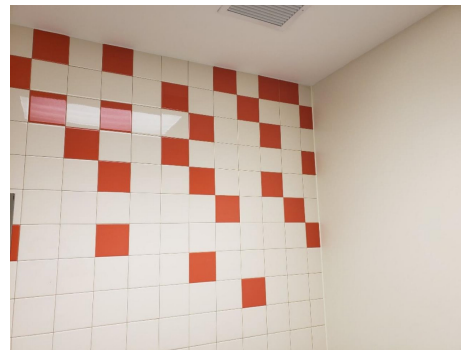
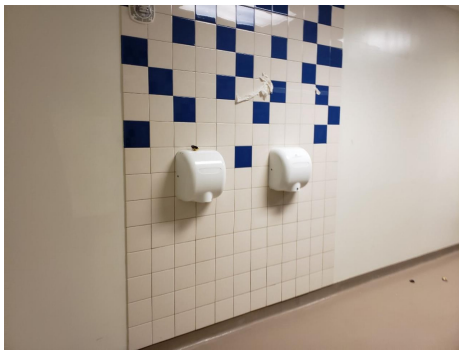
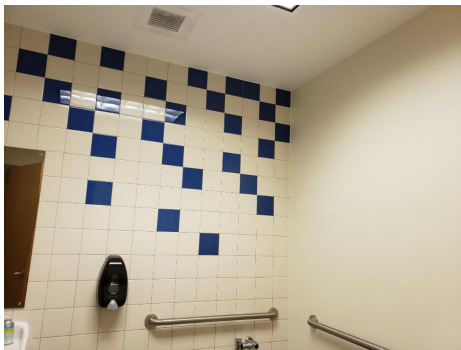
System: C2010 - Stair Construction



Note:

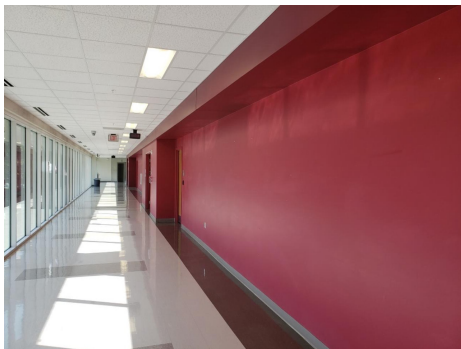
School Assessment Report - 1977 Bldg 5010

System: C3010220 - Tile



Note:

System: C3010230 - Paint & Covering



Note:

System: C3010902 - Wood Paneling



Note:

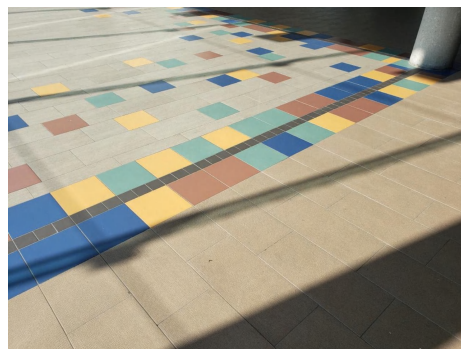
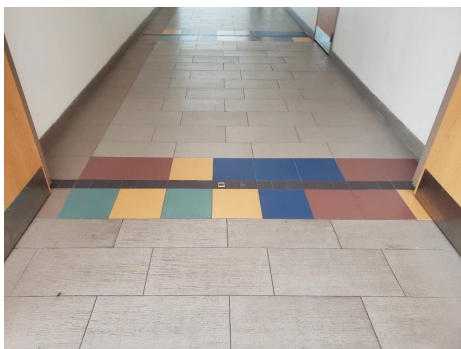
School Assessment Report - 1977 Bldg 5010

System: C3020405 - Epoxy



Note:

System: C3020420 - Ceramic Tile



Note:

System: C3020901 - Carpet



Note:

School Assessment Report - 1977 Bldg 5010

System: C3020903 - VCT



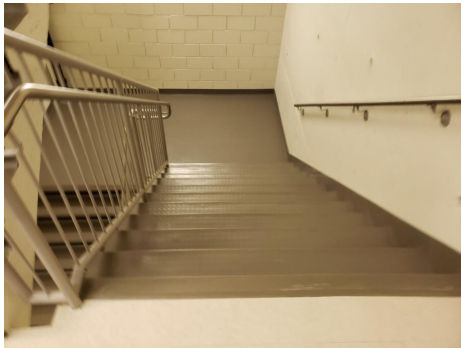
Note:

System: C3020999 - Other - Concrete Finish



Note:

System: C3020999 - Other - Rubber or Neoprene



Note:

School Assessment Report - 1977 Bldg 5010

System: C3020999 - Other - Vinyl Sheet



Note:

System: C3030 - Ceiling Finishes



Note:

System: D1010 - Elevators and Lifts



Note:

School Assessment Report - 1977 Bldg 5010

System: D2010 - Plumbing Fixtures



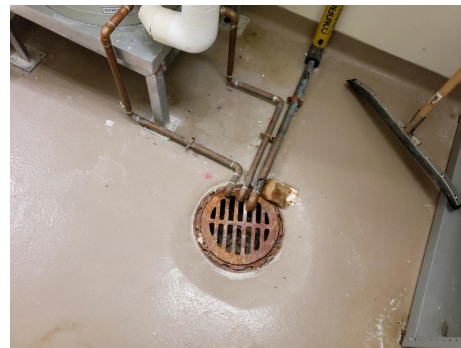
Note:

System: D2020 - Domestic Water Distribution



Note:

System: D2030 - Sanitary Waste



Note:

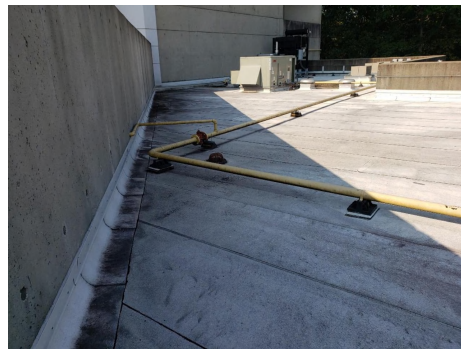
School Assessment Report - 1977 Bldg 5010

System: D2040 - Rain Water Drainage



Note:

System: D3010 - Energy Supply



Note:

System: D3030 - Cooling Generating Systems



Note:

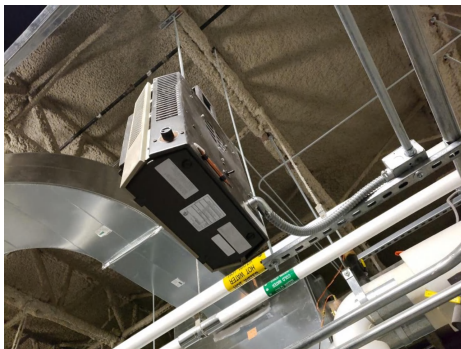
School Assessment Report - 1977 Bldg 5010

System: D3040 - Distribution Systems



Note:

System: D3050 - Terminal & Package Units



Note:

System: D3060 - Controls & Instrumentation



Note:

School Assessment Report - 1977 Bldg 5010

System: D4010 - Sprinklers



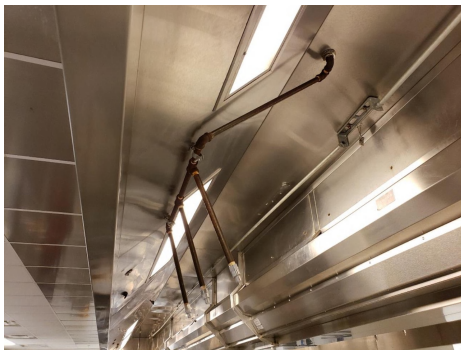
Note:

System: D4020 - Standpipes



Note:

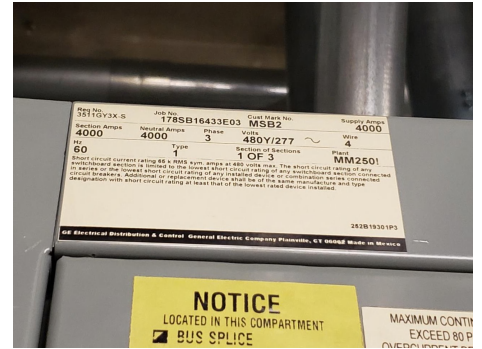
System: D4090 - Other Fire Protection Systems



Note:

School Assessment Report - 1977 Bldg 5010

System: D5010 - Electrical Service/Distribution



Note:

System: D5020 - Branch Wiring



Note:

System: D5020 - Lighting



Note:

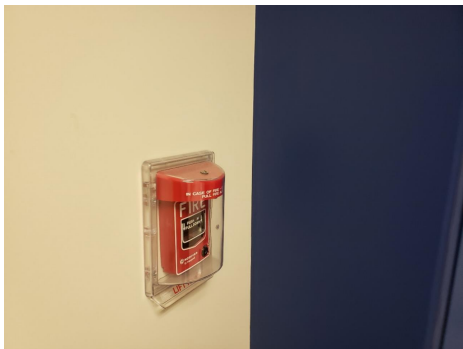
School Assessment Report - 1977 Bldg 5010

System: D5030810 - Security & Detection Systems



Note:

System: D5030910 - Fire Alarm Systems



Note:

System: D5030920 - Data Communication



Note:

System: D5090 - Other Electrical Systems

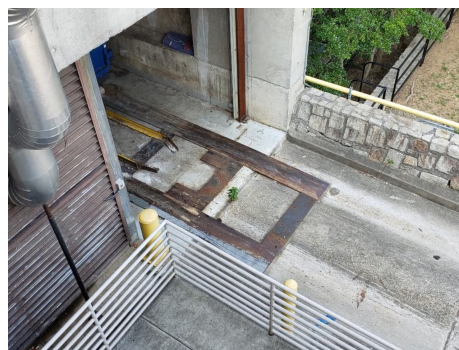
System: D5090 - Other Electrical Systems



System: E1020 - Institutional Equipment



System: E1090 - Other Equipment



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School Assessment Report - 1977 Bldg 5010

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:	\$2,546,442	\$0	\$0	\$0	\$648,807	\$0	\$0	\$0	\$199,235	\$7,453,761	\$107,516	\$10,955,761
* 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
* A1030 - Slab on Grade	\$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
B3010105 - Built-Up	\$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	\$0	\$0	\$0	\$0	\$0	\$0
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

School Assessment Report - 1977 Bldg 5010

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
C3010220 - Tile	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010230 - Paint & Covering	\$0	\$0	\$0	\$0	\$648,807	\$0	\$0	\$0	\$0	\$0	\$0	\$648,807
C3010902 - Wood Paneling	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,551	\$0	\$21,551
C3020 - Floor Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020405 - Epoxy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$229,226	\$0	\$229,226
C3020420 - Ceramic Tile	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020901 - Carpet	\$157,278	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$199,235	\$0	\$0	\$356,513
C3020903 - VCT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,208,036	\$0	\$2,208,036
C3020999 - Other - Concrete Finish	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020999 - Other - Rubber or Neoprene	\$80,002	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$107,516	\$187,518
C3020999 - Other - Vinyl Sheet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$179,554	\$0	\$179,554
C3030 - Ceiling Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$2,127,571	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,127,571
D20 - Plumbing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2010 - Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$21,497	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,497
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
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	\$3,221,255	\$0	\$3,221,255
D3060 - Controls & Instrumentation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,253,322	\$0	\$1,253,322
D40 - Fire Protection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4010 - Sprinklers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4020 - Standpipes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4090 - Other Fire Protection Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$340,816	\$0	\$340,816
D50 - Electrical	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5010 - Electrical Service/Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

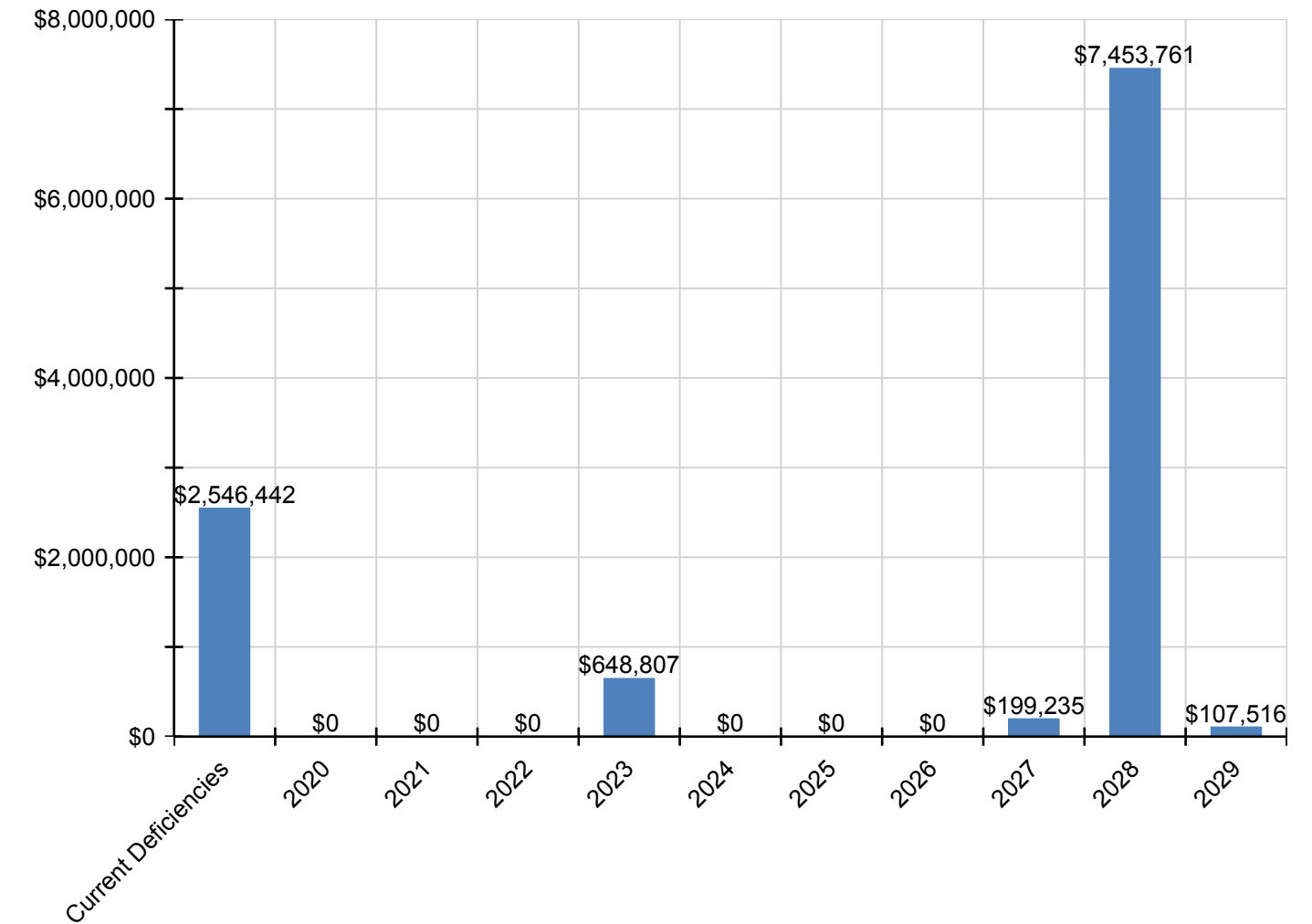
School Assessment Report - 1977 Bldg 5010

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
D5020 - Branch Wiring	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5020 - Lighting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0
D5030910 - Fire Alarm Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5030920 - Data Communication	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5090 - Other Electrical Systems	\$160,094	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$160,094
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	\$0	\$0	\$0	\$0	\$0	\$0
E1090 - Other Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E20 - Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E2010 - Fixed Furnishings	\$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.

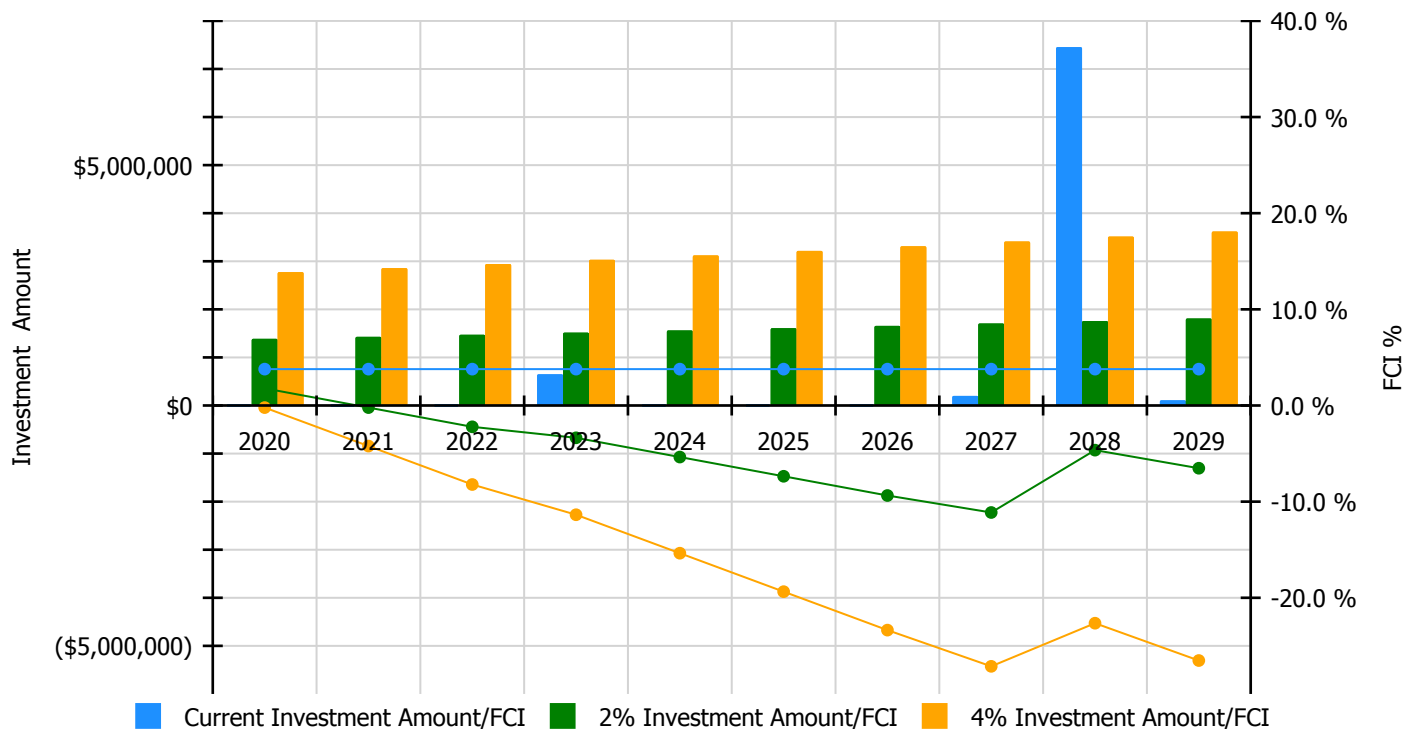


Condition Index Forecast by Investment Scenario

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

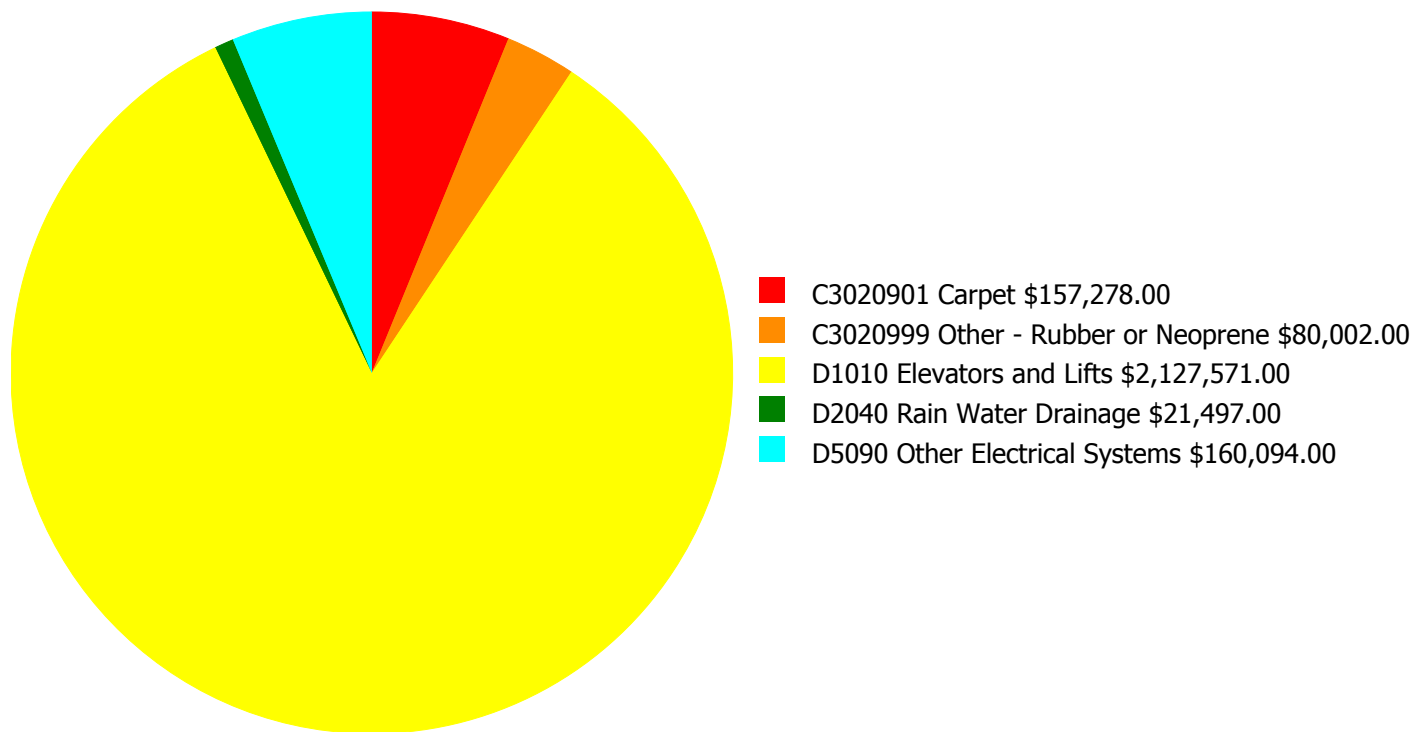
Facility Investment vs. FCI Forecast



Year	Investment Amount Current FCI - 3.78%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	\$0	\$1,386,938.00	1.78 %	\$2,773,876.00	-0.22 %
2021	\$0	\$1,428,546.00	-0.22 %	\$2,857,093.00	-4.22 %
2022	\$0	\$1,471,403.00	-2.22 %	\$2,942,805.00	-8.22 %
2023	\$648,807	\$1,515,545.00	-3.36 %	\$3,031,090.00	-11.36 %
2024	\$0	\$1,561,011.00	-5.36 %	\$3,122,022.00	-15.36 %
2025	\$0	\$1,607,841.00	-7.36 %	\$3,215,683.00	-19.36 %
2026	\$0	\$1,656,077.00	-9.36 %	\$3,312,153.00	-23.36 %
2027	\$199,235	\$1,705,759.00	-11.13 %	\$3,411,518.00	-27.13 %
2028	\$7,453,761	\$1,756,932.00	-4.64 %	\$3,513,864.00	-22.64 %
2029	\$107,516	\$1,809,640.00	-6.52 %	\$3,619,279.00	-26.52 %
Total:	\$8,409,319	\$15,899,692.00		\$31,799,383.00	

Deficiency Summary by System

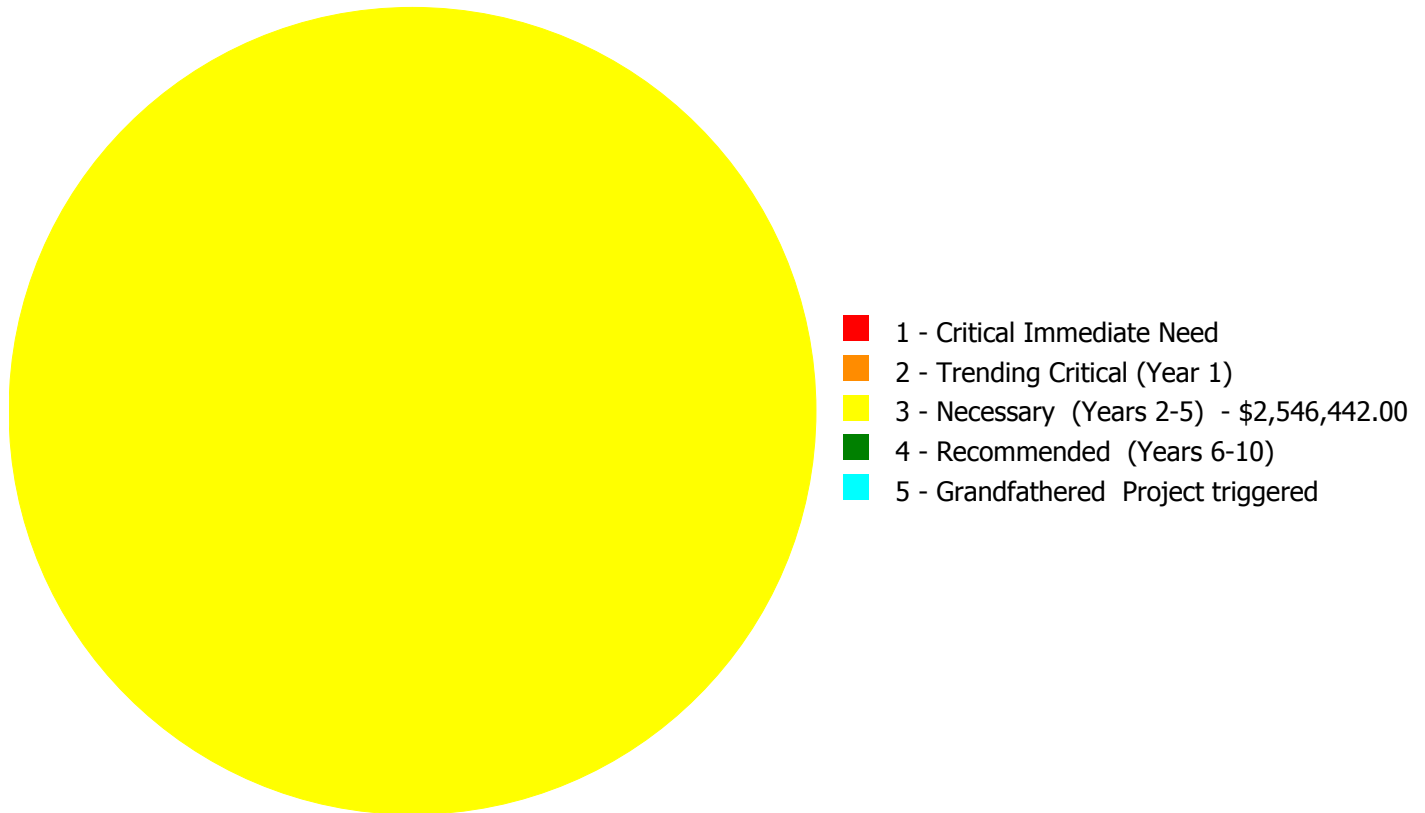
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart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



Budget Estimate Total: \$2,546,442.00

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: \$2,546,442.00

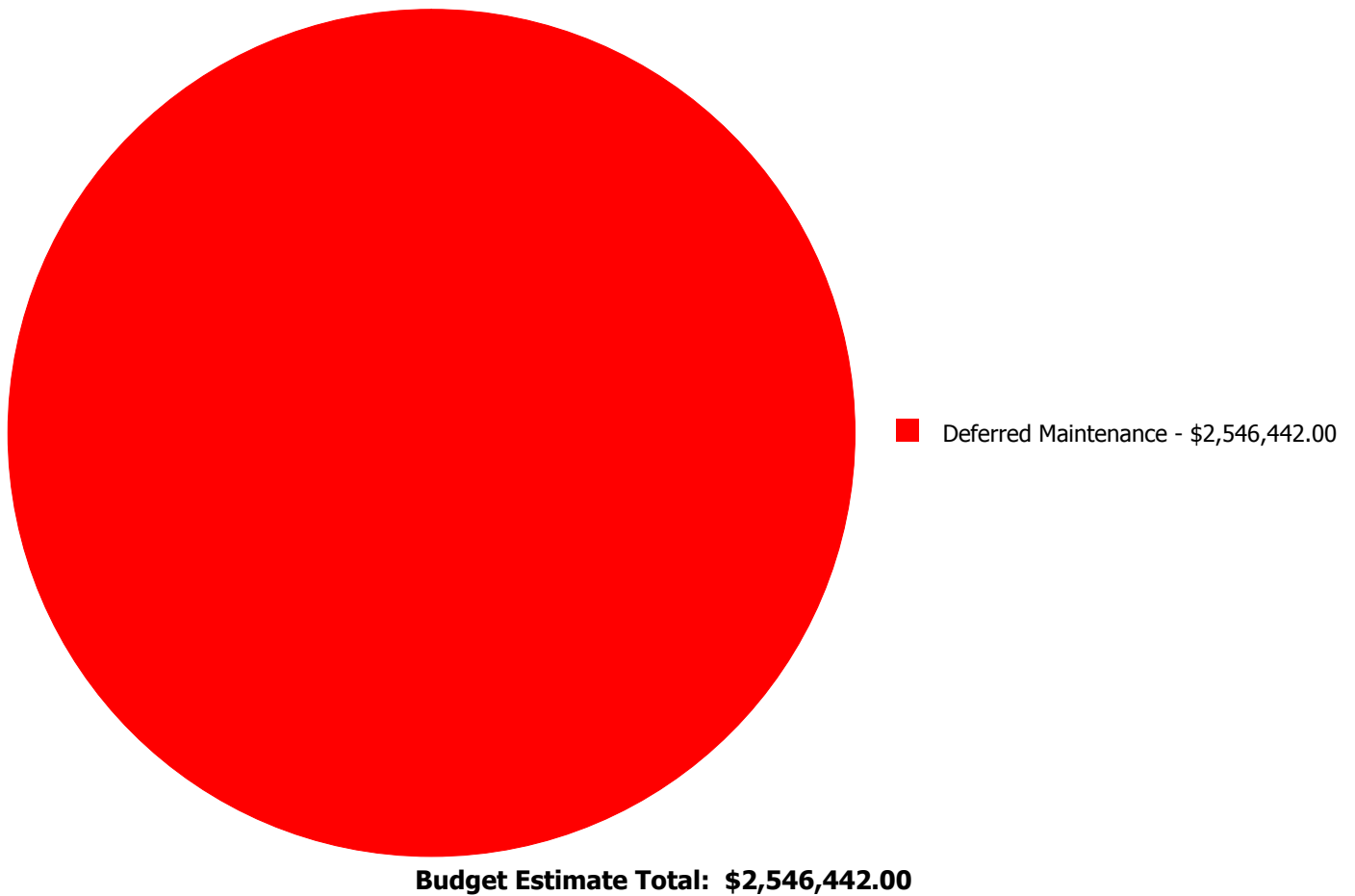
Deficiency By Priority Investment Table

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
C3020901	Carpet	\$0.00	\$0.00	\$157,278.00	\$0.00	\$0.00	\$157,278.00
C3020999	Other - Rubber or Neoprene	\$0.00	\$0.00	\$80,002.00	\$0.00	\$0.00	\$80,002.00
D1010	Elevators and Lifts	\$0.00	\$0.00	\$2,127,571.00	\$0.00	\$0.00	\$2,127,571.00
D2040	Rain Water Drainage	\$0.00	\$0.00	\$21,497.00	\$0.00	\$0.00	\$21,497.00
D5090	Other Electrical Systems	\$0.00	\$0.00	\$160,094.00	\$0.00	\$0.00	\$160,094.00
	Total:	\$0.00	\$0.00	\$2,546,442.00	\$0.00	\$0.00	\$2,546,442.00

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:



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: C3020901 - Carpet



Location: 1977 Bldg 5010
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 19,064.00
Unit of Measure: S.F.
Estimate: \$157,278.00
Assessor Name: Eduardo Lopez
Date Created: 10/08/2020

Notes:

System: C3020999 - Other - Rubber or Neoprene



Location: 1977 Bldg 5010
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 2,727.00
Unit of Measure: S.F.
Estimate: \$80,002.00
Assessor Name: Eduardo Lopez
Date Created: 10/08/2020

Notes:

System: D1010 - Elevators and Lifts



Location: 1977 Bldg 5010
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 383,001.00
Unit of Measure: S.F.
Estimate: \$2,127,571.00
Assessor Name: Eduardo Lopez
Date Created: 10/08/2020

Notes:

System: D2040 - Rain Water Drainage



Location: Rooftop
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 41,580.00
Unit of Measure: S.F.
Estimate: \$21,497.00
Assessor Name: Eduardo Lopez
Date Created: 02/22/2020

Notes: Rain water drainage system is beyond its useful life and should be replaced.

System: D5090 - Other Electrical Systems



Location: Mechanical room and electrical room

Distress: Beyond Expected Life

Category: Deferred Maintenance

Priority: 3 - Necessary (Years 2-5)

Correction: Renew System

Qty: 383,001.00

Unit of Measure: S.F.

Estimate: \$160,094.00

Assessor Name: Eduardo Lopez

Date Created: 02/22/2020

Notes: Emergency generator is beyond its useful life and should be replaced.

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 $100 - \text{Total FCI}$ (without the %) where 100 is best and 0 is worst condition.

Function:	High
Gross Area (SF):	198,003
Year Built:	2013
Last Renovation:	
Replacement Value:	\$37,952,682
Repair Cost:	\$218,801.00
Total FCI:	0.58 %
Total RSLI:	80.27 %
FCA Score:	99.42



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.

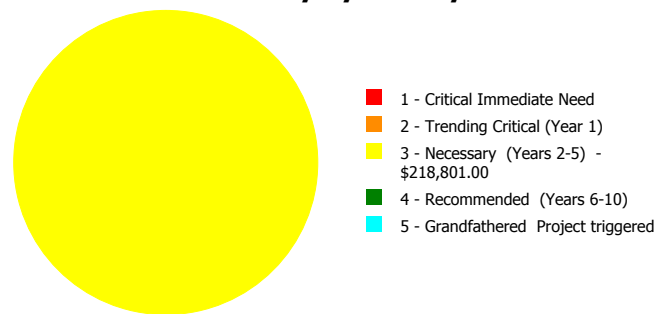
Dashboard Summary

Function:	High	Gross Area:	198,003
Year Built:	2013	Last Renovation:	
Repair Cost:	\$218,801	Replacement Value:	\$37,952,682
FCI:	0.58 %	RSLI%:	80.27 %

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	94.00 %	0.00 %	\$0.00
B10 - Superstructure	94.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	88.38 %	0.00 %	\$0.00
B30 - Roofing	76.00 %	0.00 %	\$0.00
C10 - Interior Construction	85.22 %	0.00 %	\$0.00
C20 - Stairs	94.00 %	0.00 %	\$0.00
C30 - Interior Finishes	72.14 %	5.15 %	\$218,801.00
D10 - Conveying	70.00 %	0.00 %	\$0.00
D20 - Plumbing	72.80 %	0.00 %	\$0.00
D30 - HVAC	62.42 %	0.00 %	\$0.00
D40 - Fire Protection	80.00 %	0.00 %	\$0.00
D50 - Electrical	71.04 %	0.00 %	\$0.00
E10 - Equipment	70.00 %	0.00 %	\$0.00
E20 - Furnishings	70.00 %	0.00 %	\$0.00
Totals:	80.27 %	0.58 %	\$218,801.00

Photo Album

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

1). East Elevation - Nov 22, 2019



2). South Elevation - Nov 22, 2019



3). West Elevation - Nov 22, 2019



4). North Elevation - Nov 22, 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	\$2.29	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$453,427
A1030	Slab on Grade	\$7.72	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$1,528,583
B1010	Floor Construction	\$25.00	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$4,950,075
B1020	Roof Construction	\$27.33	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$5,411,422
B2010	Exterior Walls	\$11.99	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$2,374,056
B2020	Exterior Windows	\$7.00	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$1,386,021
B2030	Exterior Doors	\$1.04	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$205,923
B3010105	Built-Up	\$7.15	S.F.	73,911	25	2013	2038		76.00 %	0.00 %	19			\$528,464
C1010	Partitions	\$2.77	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$548,468
C1020	Interior Doors	\$3.35	S.F.	198,003	40	2013	2053		85.00 %	0.00 %	34			\$663,310
C1030	Fittings	\$1.55	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$306,905
C2010	Stair Construction	\$2.91	S.F.	198,003	100	2013	2113		94.00 %	0.00 %	94			\$576,189
C3010220	Tile	\$9.25	S.F.	178,373	30	2013	2043		80.00 %	0.00 %	24			\$1,649,950
C3010230	Paint & Covering	\$1.47	S.F.	19,630	10	2013	2023		40.00 %	0.00 %	4			\$28,856
C3020405	Epoxy	\$17.30	S.F.	600	15	2013	2028		60.00 %	0.00 %	9			\$10,380
C3020420	Ceramic Tile	\$16.74	S.F.	8,969	50	2013	2063		88.00 %	0.00 %	44			\$150,141
C3020901	Carpet	\$7.50	S.F.	6,917	8	2013	2021	2019	0.00 %	110.00 %	0		\$57,065.00	\$51,878
C3020903	VCT	\$3.48	S.F.	114,370	15	2013	2028		60.00 %	0.00 %	9			\$398,008
C3020999	Other - Concrete Finish	\$6.87	S.F.	11,346	100	2013	2113		94.00 %	0.00 %	94			\$77,947
C3020999	Other - Concrete Finish w/Sealer	\$6.87	S.F.	11,922	10	2013	2023	2019	0.00 %	110.00 %	0		\$90,095.00	\$81,904
C3020999	Other - Rubber or Neoprene	\$26.67	S.F.	2,442	10	2013	2023	2019	0.00 %	110.00 %	0		\$71,641.00	\$65,128
C3020999	Other - Vinyl Sheet	\$7.09	S.F.	10,661	15	2013	2028		60.00 %	0.00 %	9			\$75,586
C3020999	Other - Wood	\$13.79	S.F.	30,776	50	2013	2063		88.00 %	0.00 %	44			\$424,401
C3030	Ceiling Finishes	\$6.22	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$1,231,579
D1010	Elevators and Lifts	\$2.56	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$506,888
D2010	Plumbing Fixtures	\$6.07	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$1,201,878
D2020	Domestic Water Distribution	\$0.66	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$130,682
D2030	Sanitary Waste	\$1.77	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$350,465
D2040	Rain Water Drainage	\$0.47	S.F.	73,911	20	2013	2033		70.00 %	0.00 %	14			\$34,738
D3010	Energy Supply	\$0.61	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$120,782
D3040	Distribution Systems	\$6.34	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$1,255,339
D3050	Terminal & Package Units	\$21.98	S.F.	198,003	15	2013	2028		60.00 %	0.00 %	9			\$4,352,106

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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 \$
D3060	Controls & Instrumentation	\$2.28	S.F.	198,003	15	2013	2028		60.00 %	0.00 %	9			\$451,447
D4010	Sprinklers	\$4.22	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$835,573
D4020	Standpipes	\$0.47	S.F.	198,003	30	2013	2043		80.00 %	0.00 %	24			\$93,061
D5020	Branch Wiring	\$5.11	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$1,011,795
D5020	Lighting	\$7.66	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$1,516,703
D5030810	Security & Detection Systems	\$1.51	Ea.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$298,985
D5030910	Fire Alarm Systems	\$2.74	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$542,528
D5030920	Data Communication	\$3.56	S.F.	198,003	25	2013	2038		76.00 %	0.00 %	19			\$704,891
E1020	Institutional Equipment	\$2.76	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$546,488
E1090	Other Equipment	\$0.79	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$156,422
E2010	Fixed Furnishings	\$3.35	S.F.	198,003	20	2013	2033		70.00 %	0.00 %	14			\$663,310
Total									80.27 %	0.58 %			\$218,801.00	\$37,952,682

System Notes

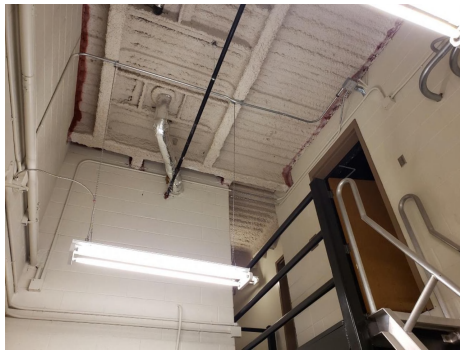
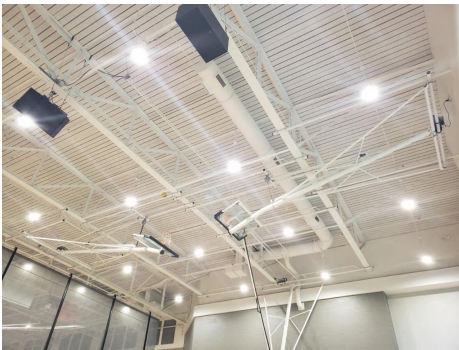
The facility description in the executive summary contains an overview of each system. The system notes listed below provide additional information on select systems found within the facility.

System: B1010 - Floor Construction



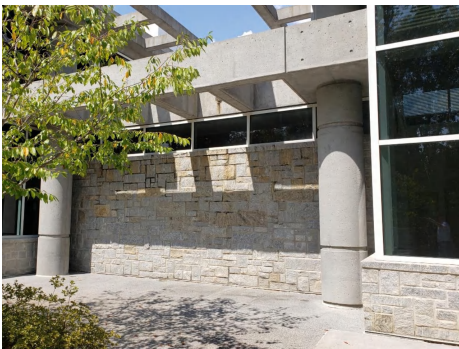
Note:

System: B1020 - Roof Construction



Note:

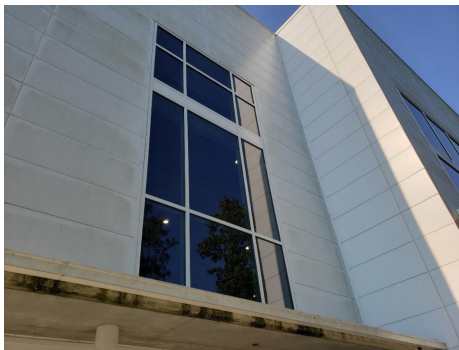
System: B2010 - Exterior Walls



Note:

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System: B2020 - Exterior Windows



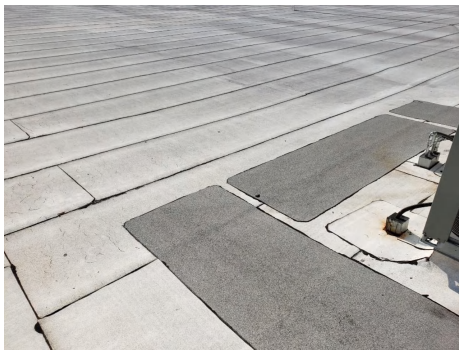
Note:

System: B2030 - Exterior Doors



Note:

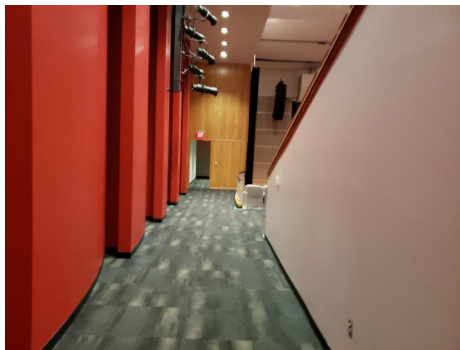
System: B3010105 - Built-Up



Note:

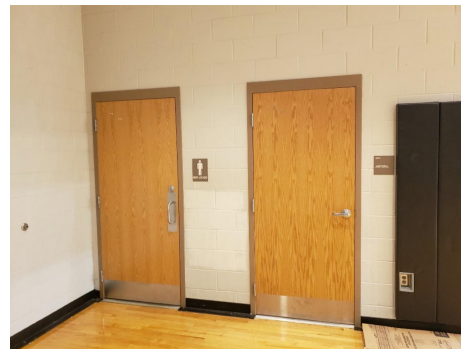
School Assessment Report - 2013 Addition 5020

System: C1010 - Partitions



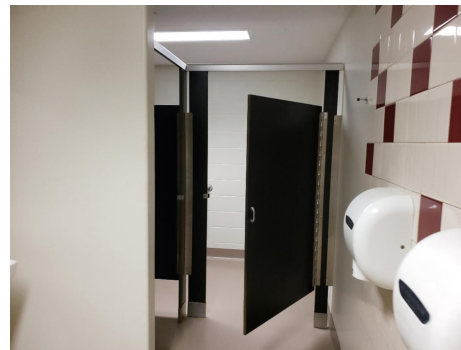
Note:

System: C1020 - Interior Doors



Note:

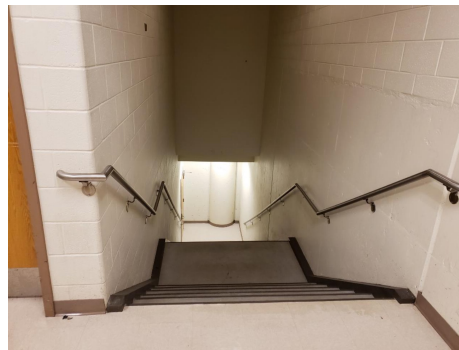
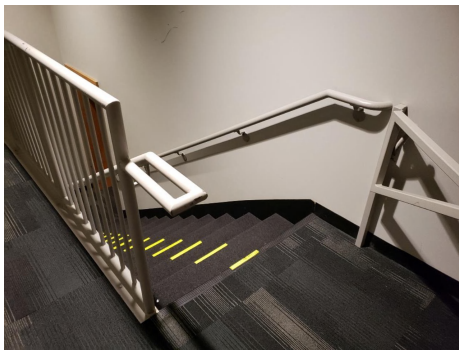
System: C1030 - Fittings



Note:

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System: C2010 - Stair Construction



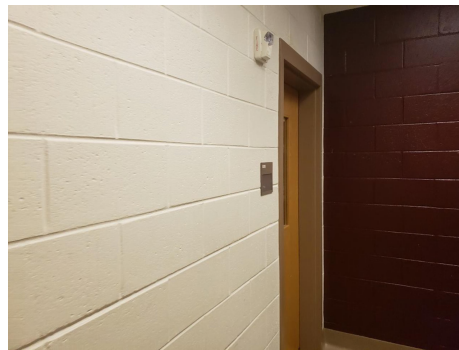
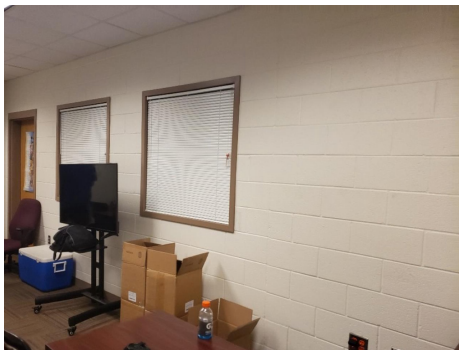
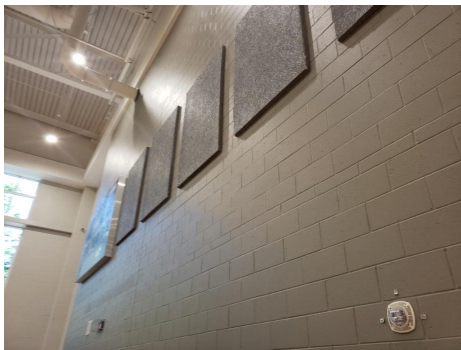
Note:

System: C3010220 - Tile



Note:

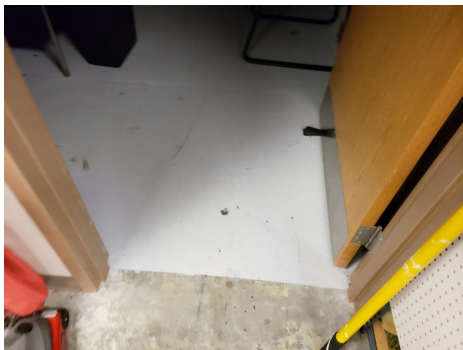
System: C3010230 - Paint & Covering



Note:

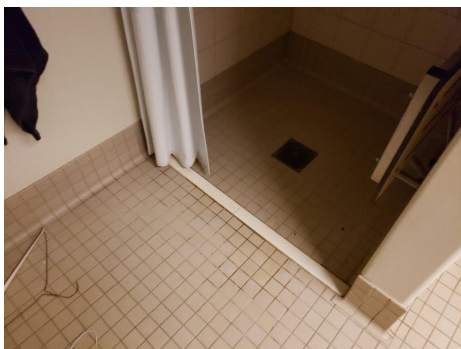
School Assessment Report - 2013 Addition 5020

System: C3020405 - Epoxy



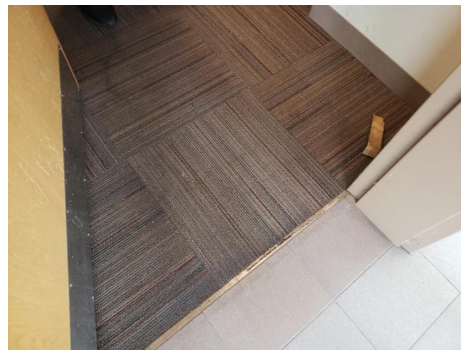
Note:

System: C3020420 - Ceramic Tile



Note:

System: C3020901 - Carpet



Note:

School Assessment Report - 2013 Addition 5020

System: C3020903 - VCT



Note:

System: C3020999 - Other - Concrete Finish



Note:

System: C3020999 - Other - Concrete Finish w/Sealer



Note:

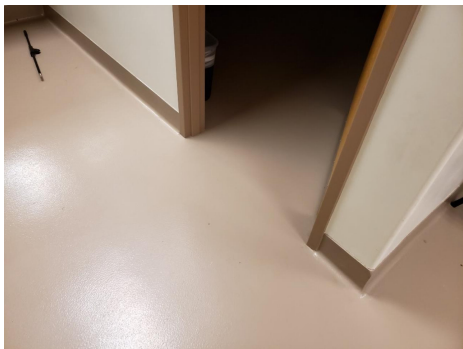
School Assessment Report - 2013 Addition 5020

System: C3020999 - Other - Rubber or Neoprene



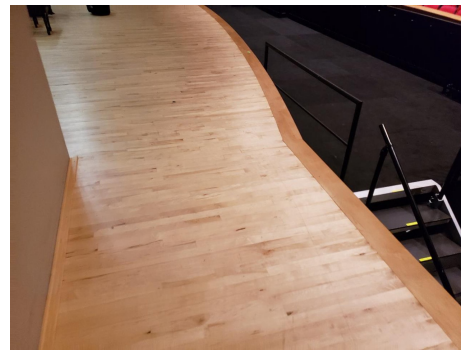
Note:

System: C3020999 - Other - Vinyl Sheet



Note:

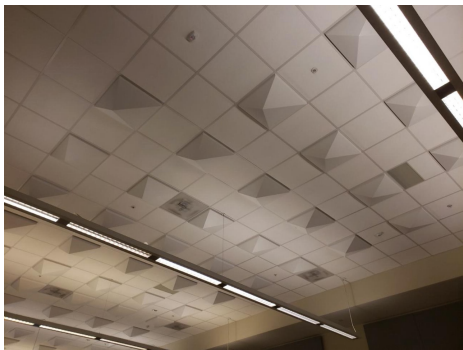
System: C3020999 - Other - Wood



Note:

School Assessment Report - 2013 Addition 5020

System: C3030 - Ceiling Finishes



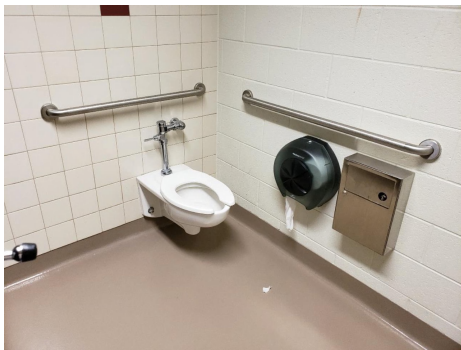
Note:

System: D1010 - Elevators and Lifts



Note:

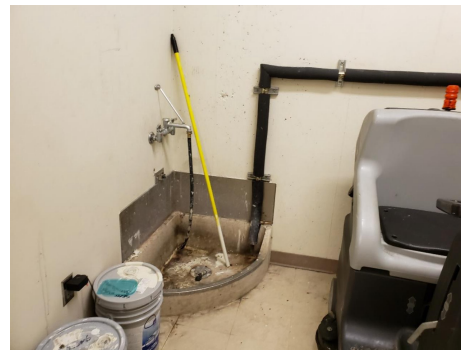
System: D2010 - Plumbing Fixtures



Note:

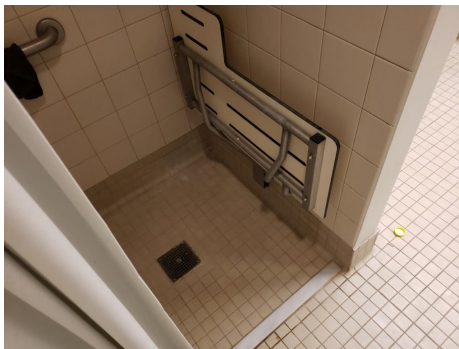
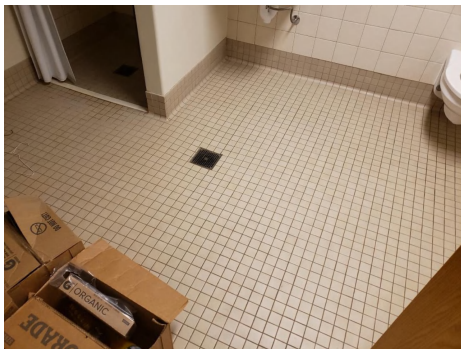
School Assessment Report - 2013 Addition 5020

System: D2020 - Domestic Water Distribution



Note:

System: D2030 - Sanitary Waste



Note:

System: D2040 - Rain Water Drainage



Note:

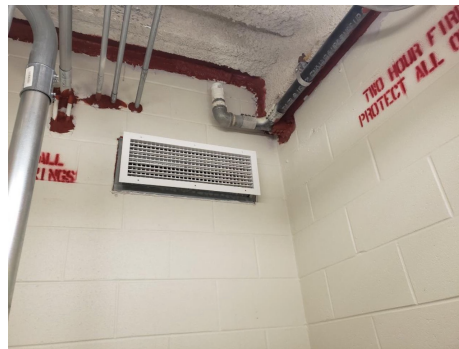
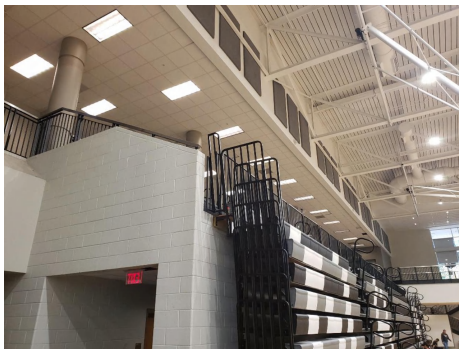
School Assessment Report - 2013 Addition 5020

System: D3010 - Energy Supply



Note:

System: D3040 - Distribution Systems



Note:

System: D3050 - Terminal & Package Units



Note:

School Assessment Report - 2013 Addition 5020

System: D4010 - Sprinklers



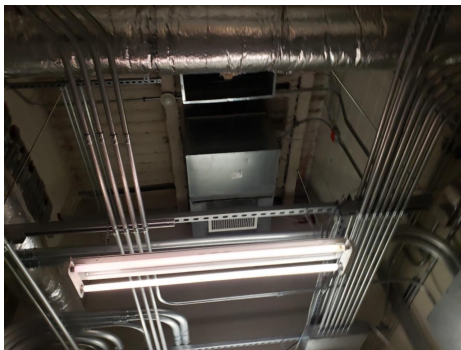
Note:

System: D4020 - Standpipes



Note:

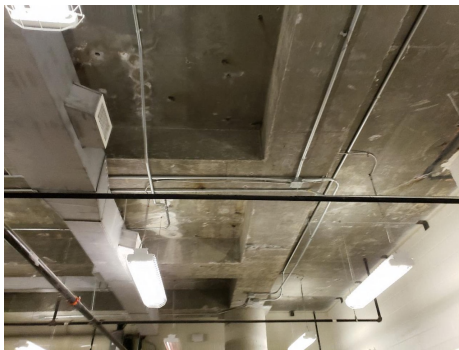
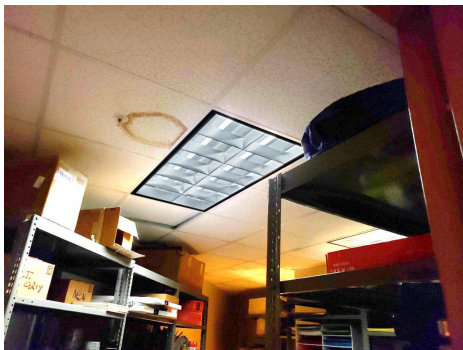
System: D5020 - Branch Wiring



Note:

School Assessment Report - 2013 Addition 5020

System: D5020 - Lighting



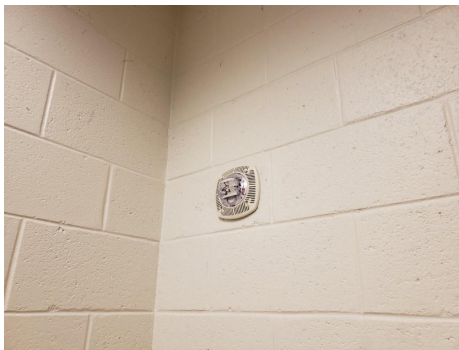
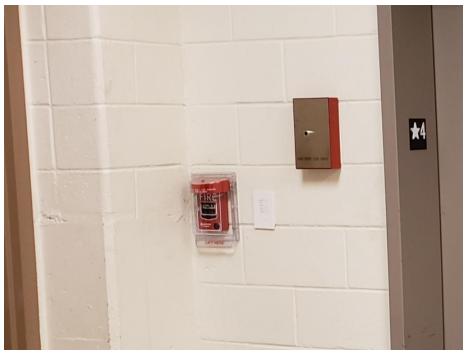
Note:

System: D5030810 - Security & Detection Systems



Note:

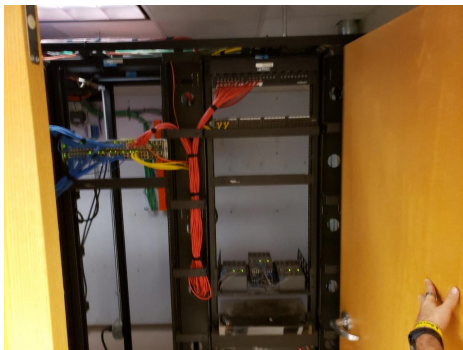
System: D5030910 - Fire Alarm Systems



Note:

School Assessment Report - 2013 Addition 5020

System: D5030920 - Data Communication



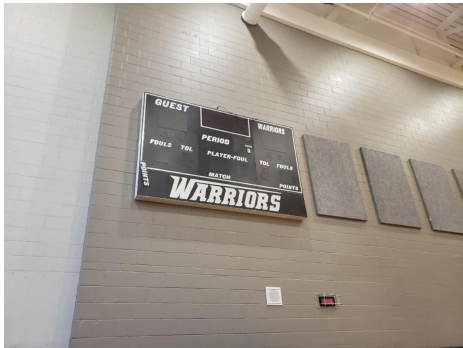
Note:

System: E1020 - Institutional Equipment



Note:

System: E1090 - Other Equipment



Note:

School Assessment Report - 2013 Addition 5020

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:	\$218,801	\$0	\$0	\$0	\$35,726	\$0	\$0	\$0	\$72,288	\$7,823,699	\$217,360	\$8,367,874
* 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
* A1030 - Slab on Grade	\$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
B3010105 - Built-Up	\$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	\$0	\$0	\$0	\$0	\$0	\$0
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

School Assessment Report - 2013 Addition 5020

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
C3010230 - Paint & Covering	\$0	\$0	\$0	\$0	\$35,726	\$0	\$0	\$0	\$0	\$0	\$0	\$35,726
C3020 - Floor Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020405 - Epoxy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,981	\$0	\$15,981
C3020420 - Ceramic Tile	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020901 - Carpet	\$57,065	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$72,288	\$0	\$0	\$129,353
C3020903 - VCT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$804,930	\$0	\$804,930
C3020999 - Other - Concrete Finish	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020999 - Other - Concrete Finish w/Sealer	\$90,095	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,080	\$211,175
C3020999 - Other - Rubber or Neoprene	\$71,641	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$96,280	\$167,921
C3020999 - Other - Vinyl Sheet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$108,485	\$0	\$108,485
C3020999 - Other - Wood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3030 - Ceiling Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$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	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0
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
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	\$6,246,363	\$0	\$6,246,363
D3060 - Controls & Instrumentation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$647,940	\$0	\$647,940
D40 - Fire Protection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4010 - Sprinklers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4020 - Standpipes	\$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
D5020 - Branch Wiring	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5020 - Lighting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5030 - Communications and Security	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

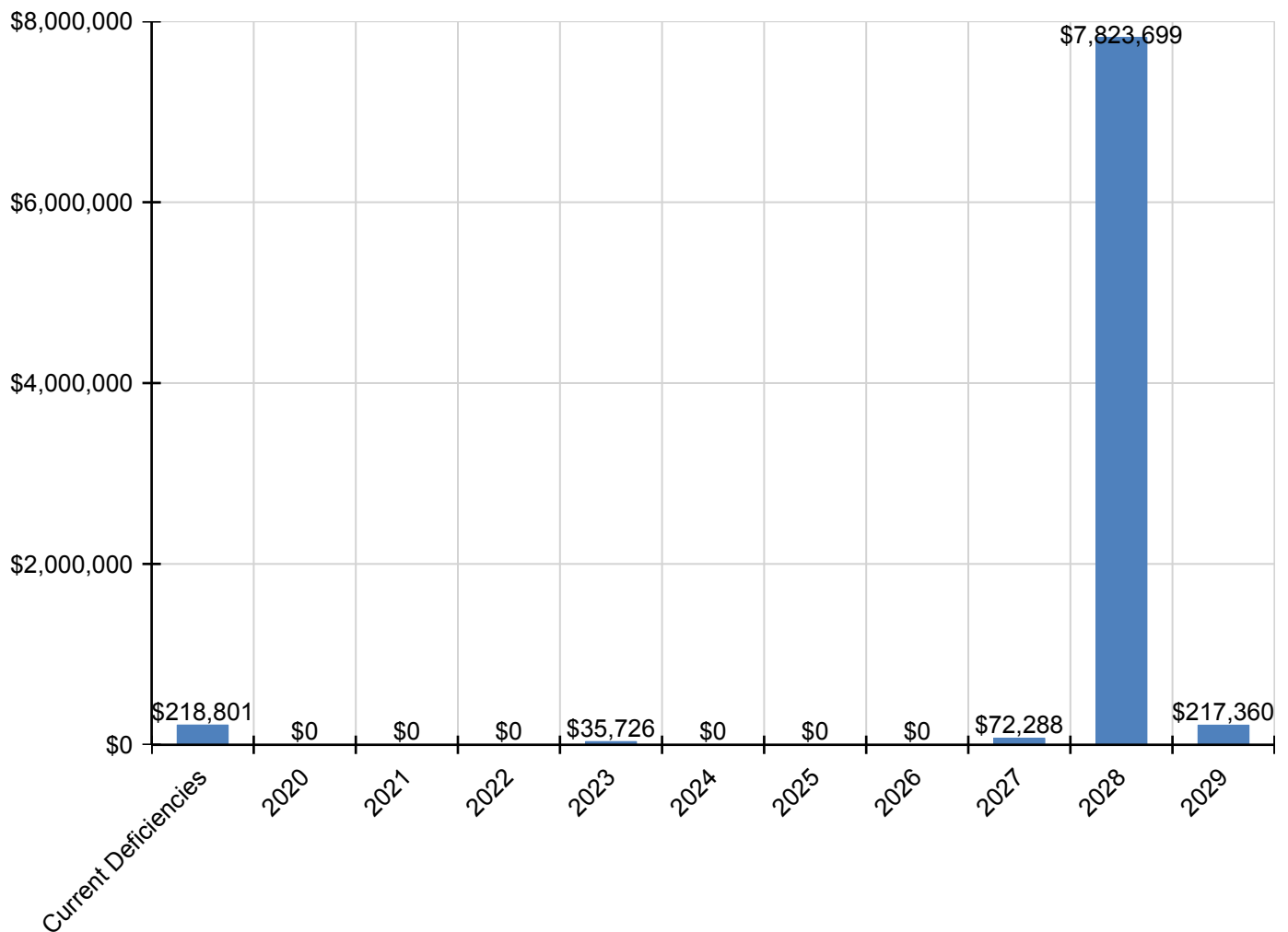
School Assessment Report - 2013 Addition 5020

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	\$0	\$0	\$0	\$0	\$0
D5030910 - Fire Alarm Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0
E1090 - Other Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E20 - Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E2010 - Fixed Furnishings	\$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.

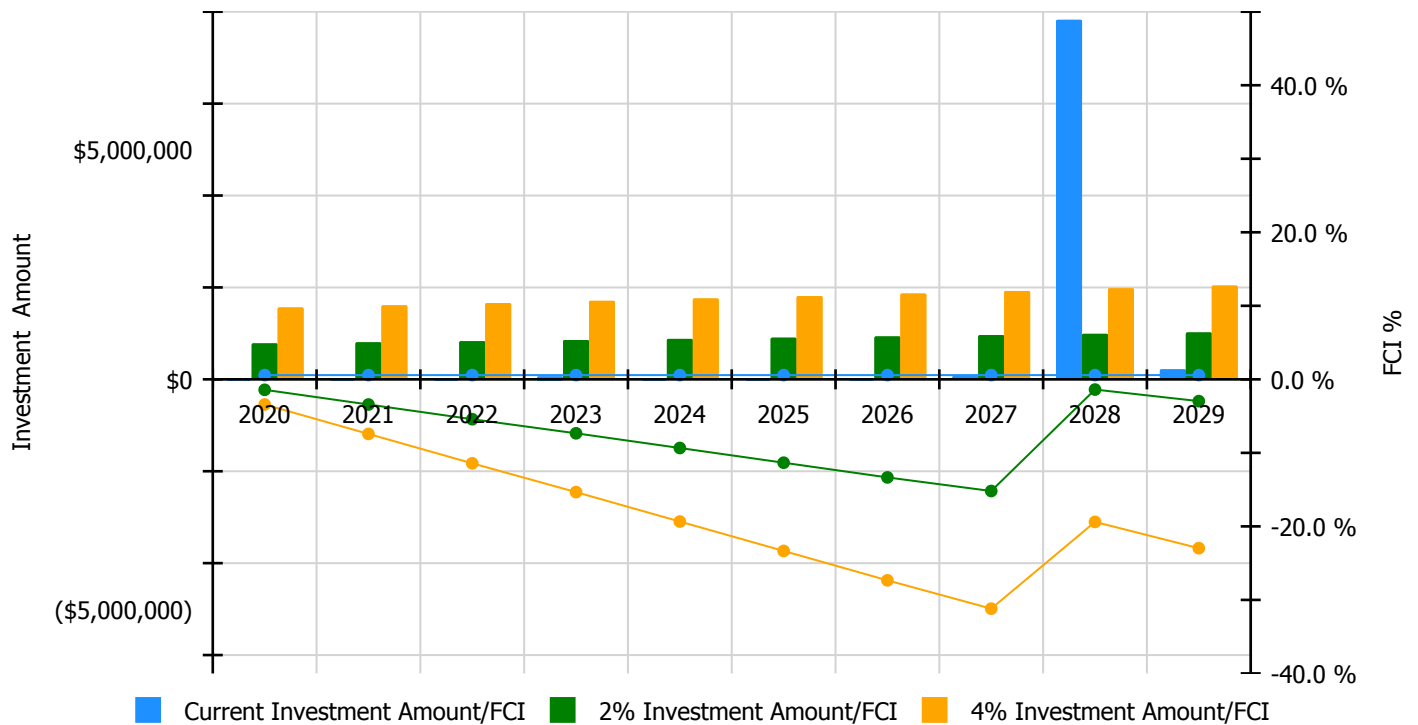


Condition Index Forecast by Investment Scenario

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

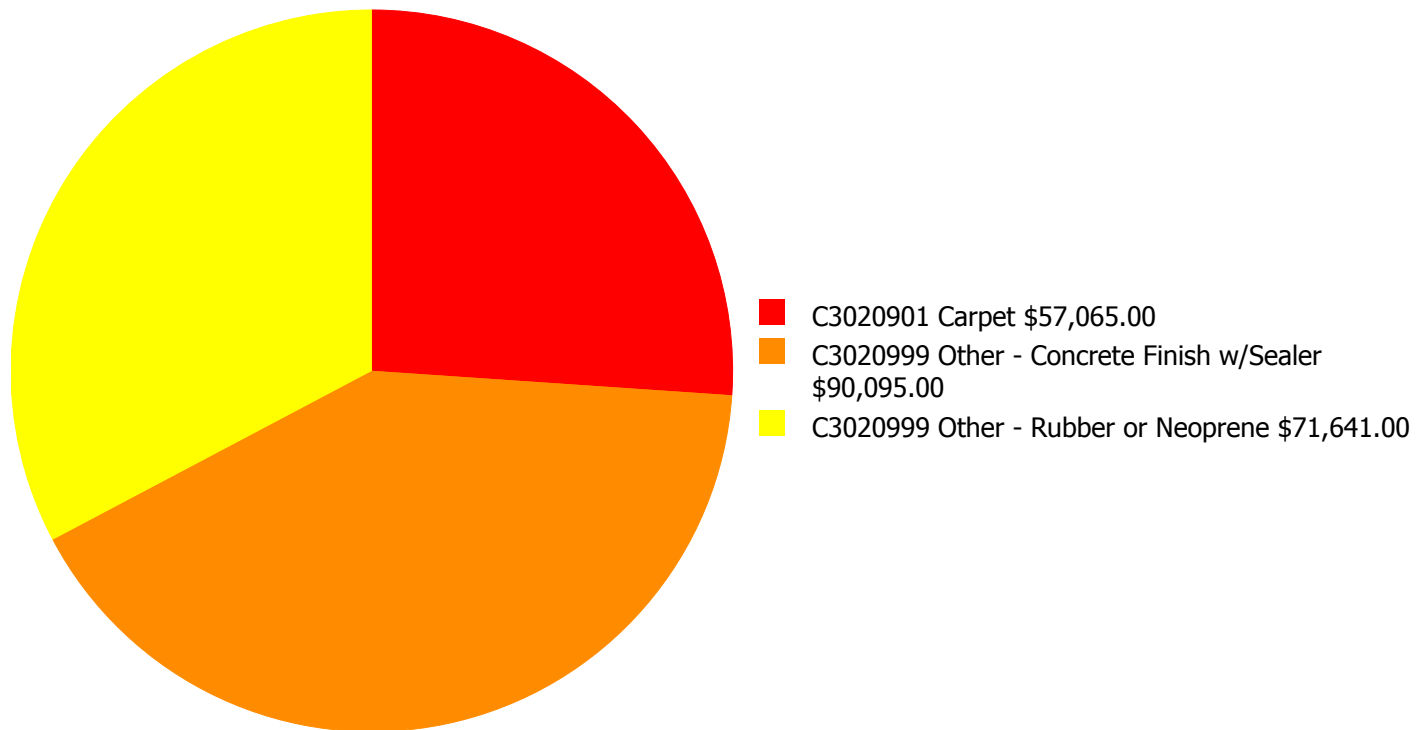
Facility Investment vs. FCI Forecast



Year	Investment Amount Current FCI - 0.58%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	\$0	\$781,825.00	-1.42 %	\$1,563,650.00	-3.42 %
2021	\$0	\$805,280.00	-3.42 %	\$1,610,560.00	-7.42 %
2022	\$0	\$829,438.00	-5.42 %	\$1,658,877.00	-11.42 %
2023	\$35,726	\$854,322.00	-7.34 %	\$1,708,643.00	-15.34 %
2024	\$0	\$879,951.00	-9.34 %	\$1,759,902.00	-19.34 %
2025	\$0	\$906,350.00	-11.34 %	\$1,812,699.00	-23.34 %
2026	\$0	\$933,540.00	-13.34 %	\$1,867,080.00	-27.34 %
2027	\$72,288	\$961,546.00	-15.19 %	\$1,923,093.00	-31.19 %
2028	\$7,823,699	\$990,393.00	-1.39 %	\$1,980,786.00	-19.39 %
2029	\$217,360	\$1,020,105.00	-2.96 %	\$2,040,209.00	-22.96 %
Total:	\$8,149,073	\$8,962,750.00		\$17,925,499.00	

Deficiency Summary by System

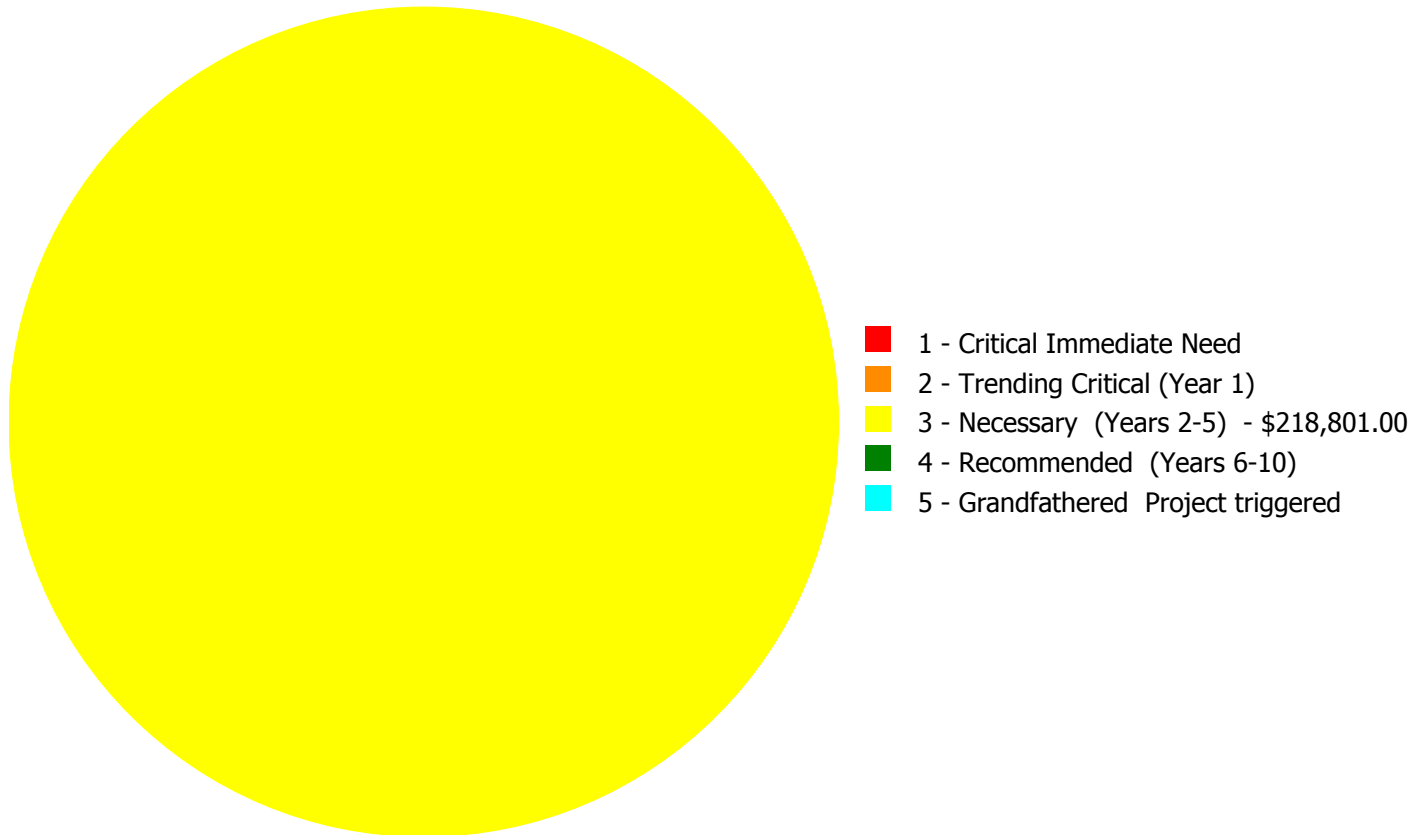
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart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



Budget Estimate Total: \$218,801.00

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: \$218,801.00

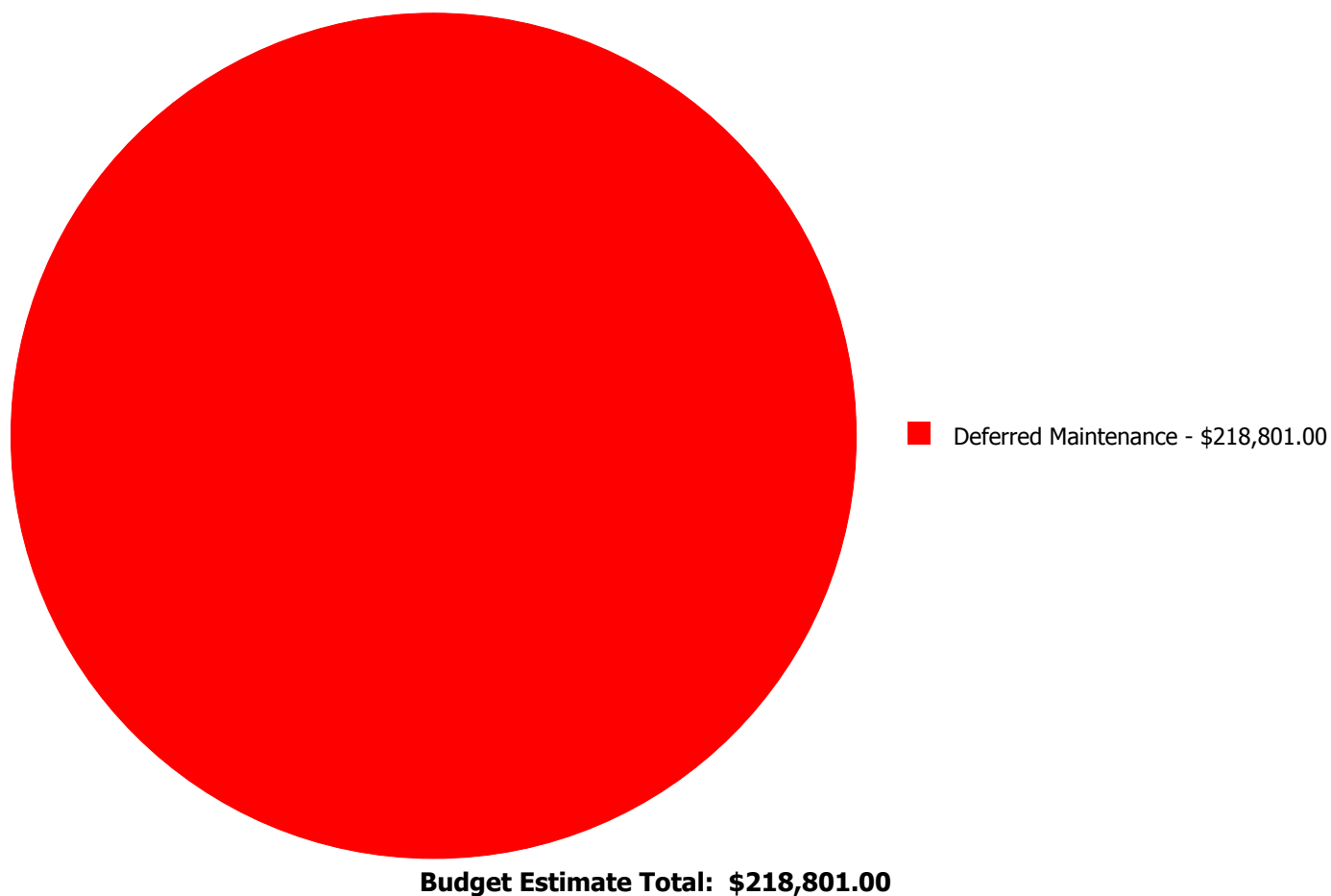
Deficiency By Priority Investment Table

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
C3020901	Carpet	\$0.00	\$0.00	\$57,065.00	\$0.00	\$0.00	\$57,065.00
C3020999	Other - Concrete Finish w/Sealer	\$0.00	\$0.00	\$90,095.00	\$0.00	\$0.00	\$90,095.00
C3020999	Other - Rubber or Neoprene	\$0.00	\$0.00	\$71,641.00	\$0.00	\$0.00	\$71,641.00
	Total:	\$0.00	\$0.00	\$218,801.00	\$0.00	\$0.00	\$218,801.00

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:



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: C3020901 - Carpet



Location: 2013 Addition 5020
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 6,917.00
Unit of Measure: S.F.
Estimate: \$57,065.00
Assessor Name: Eduardo Lopez
Date Created: 10/08/2020

Notes:

System: C3020999 - Other - Concrete Finish w/Sealer



Location: 2013 Addition 5020
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 11,922.00
Unit of Measure: S.F.
Estimate: \$90,095.00
Assessor Name: Eduardo Lopez
Date Created: 10/08/2020

Notes:

System: C3020999 - Other - Rubber or Neoprene



Location: 2013 Addition 5020
Distress: Beyond Expected Life
Category: Deferred Maintenance
Priority: 3 - Necessary (Years 2-5)
Correction: Renew System
Qty: 2,442.00
Unit of Measure: S.F.
Estimate: \$71,641.00
Assessor Name: Eduardo Lopez
Date Created: 10/08/2020

Notes:

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 $100 - \text{Total FCI}$ (without the %) where 100 is best and 0 is worst condition.

Function:

Gross Area (SF):	507,093
Year Built:	1977
Last Renovation:	2013
Replacement Value:	\$21,612,364
Repair Cost:	\$0.00
Total FCI:	0.00 %
Total RSLI:	78.40 %
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

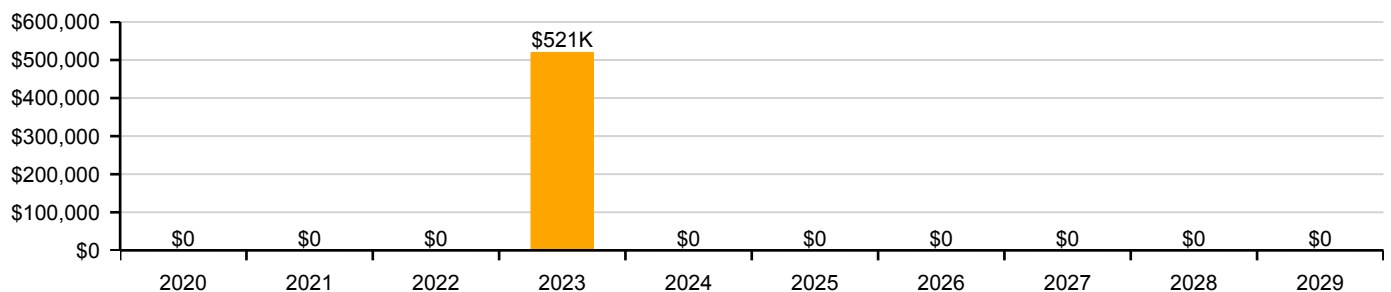
Function:		Gross Area:	507,093
Year Built:	1977	Last Renovation:	2013
Repair Cost:	\$0	Replacement Value:	\$21,612,364
FCI:	0.00 %	RSLI%:	78.40 %

No data found for this asset

No data found for this asset

No data found for this asset

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
G20 - Site Improvements	76.67 %	0.00 %	\$0.00
G30 - Site Mechanical Utilities	88.00 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	80.00 %	0.00 %	\$0.00
Totals:	78.40 %	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	\$2.34	S.F.	507,093	35	2013	2048		82.86 %	0.00 %	29			\$1,186,598
G2020	Parking Lots	\$7.93	S.F.	507,093	35	2013	2048		82.86 %	0.00 %	29			\$4,021,247
G2030	Pedestrian Paving	\$2.29	S.F.	507,093	35	2013	2048		82.86 %	0.00 %	29			\$1,161,243
G2040105	Fence & Guardrails	\$1.14	S.F.	507,093	30	2013	2043		80.00 %	0.00 %	24			\$578,086
G2040210	Concrete Retaining Walls	\$30.16	S.F.	12,850	30	2013	2043		80.00 %	0.00 %	24			\$387,556
G2040260	Stone Retaining Walls	\$77.82	S.F.	16,850	50	2013	2063		88.00 %	0.00 %	44			\$1,311,267
G2040950	Baseball Field	\$2.73	S.F.	507,093	20	2013	2033		70.00 %	0.00 %	14			\$1,384,364
G2040950	Football/Soccer Field	\$5.45	S.F.	507,093	20	2013	2033		70.00 %	0.00 %	14			\$2,763,657
G2040950	Softball Field	\$2.42	S.F.	507,093	20	2013	2033		70.00 %	0.00 %	14			\$1,227,165
G2040950	Tennis Courts	\$1.69	S.F.	507,093	20	2013	2033		70.00 %	0.00 %	14			\$856,987
G2040950	Track	\$0.83	S.F.	507,093	10	2013	2023		40.00 %	0.00 %	4			\$420,887
G2050	Landscaping	\$1.18	S.F.	507,093	25	2013	2038		76.00 %	0.00 %	19			\$598,370
G3010	Water Supply	\$1.09	S.F.	507,093	50	2013	2063		88.00 %	0.00 %	44			\$552,731
G3020	Sanitary Sewer	\$2.17	S.F.	507,093	50	2013	2063		88.00 %	0.00 %	44			\$1,100,392
G3030	Storm Sewer	\$1.24	S.F.	507,093	50	2013	2063		88.00 %	0.00 %	44			\$628,795
G4010	Electrical Distribution	\$2.54	S.F.	507,093	30	2013	2043		80.00 %	0.00 %	24			\$1,288,016
G4020	Site Lighting	\$2.96	S.F.	507,093	30	2013	2043		80.00 %	0.00 %	24			\$1,500,995
G4030	Site Communication and Security	\$1.27	S.F.	507,093	30	2013	2043		80.00 %	0.00 %	24			\$644,008
Total									78.40 %					\$21,612,364

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



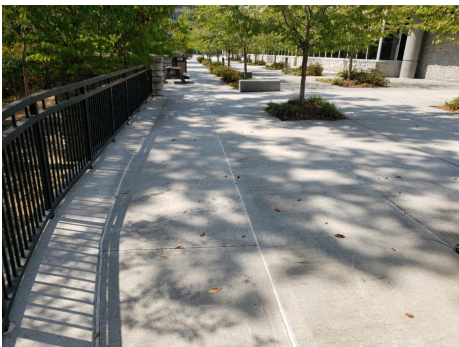
Note:

System: G2020 - Parking Lots



Note:

System: G2030 - Pedestrian Paving



Note:

School Assessment Report - Site

System: G2040105 - Fence & Guardrails



Note:

System: G2040210 - Concrete Retaining Walls



Note:

System: G2040260 - Stone Retaining Walls



Note:

School Assessment Report - Site

System: G2040950 - Baseball Field



Note:

System: G2040950 - Football/Soccer Field



Note:

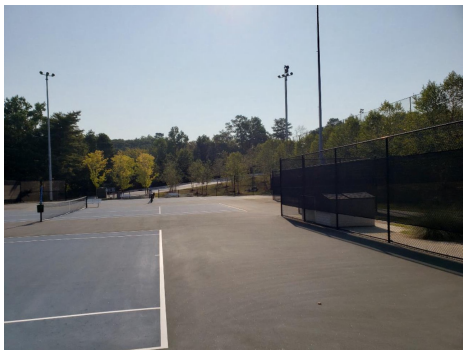
System: G2040950 - Softball Field



Note:

School Assessment Report - Site

System: G2040950 - Tennis Courts



Note:

System: G2040950 - Track



Note:

System: G2050 - Landscaping



Note:

School Assessment Report - Site

System: G3010 - Water Supply



Note:

System: G3020 - Sanitary Sewer



Note:

System: G3030 - Storm Sewer



Note:

School Assessment Report - Site

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.

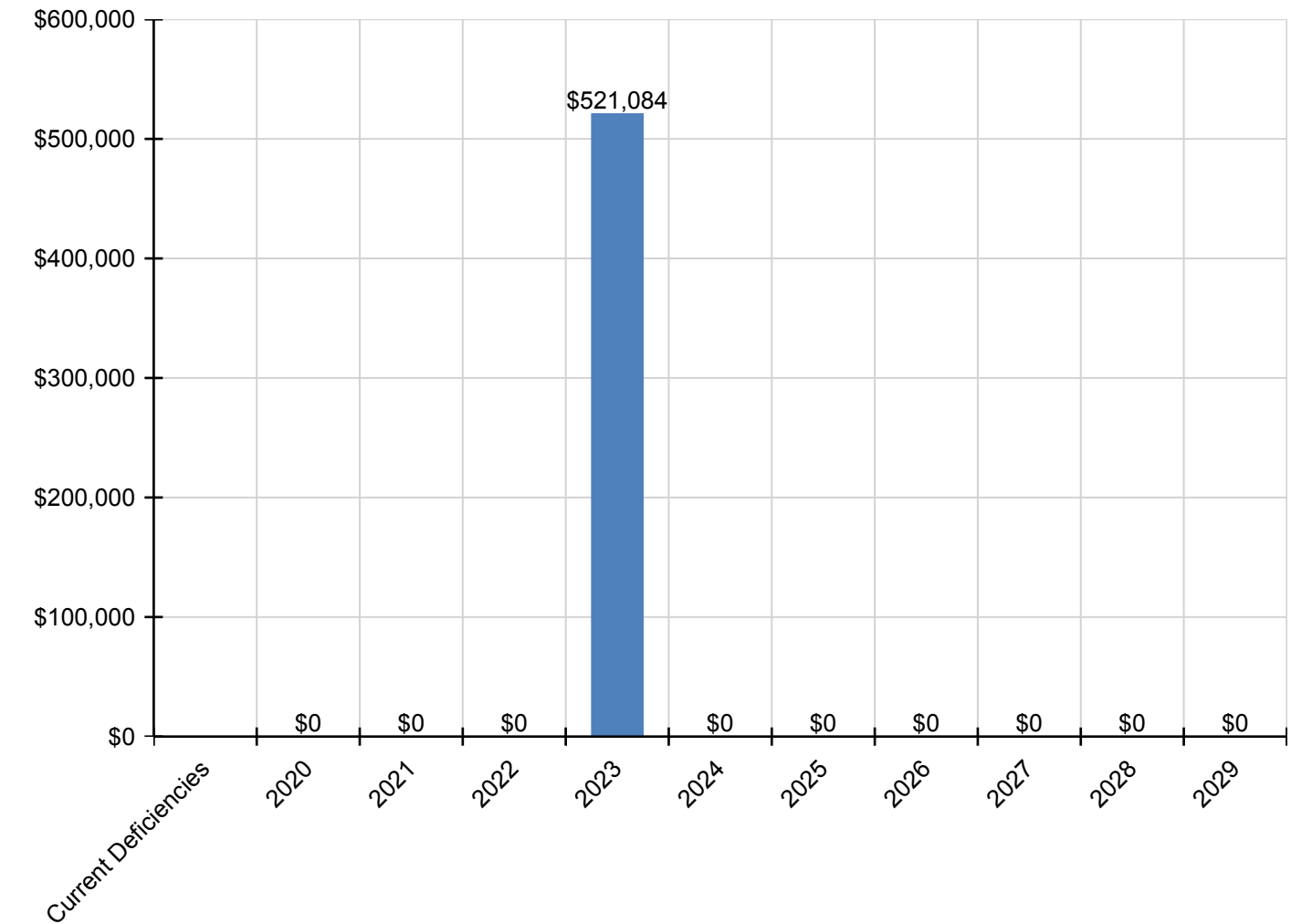
Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:		\$0	\$0	\$0	\$521,084	\$0	\$0	\$0	\$0	\$0	\$0	\$521,084
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
G2040210 - Concrete Retaining Walls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040260 - Stone Retaining Walls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Baseball Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Football/Soccer Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Softball Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Tennis Courts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Track	\$0	\$0	\$0	\$0	\$521,084	\$0	\$0	\$0	\$0	\$0	\$0	\$521,084
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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.

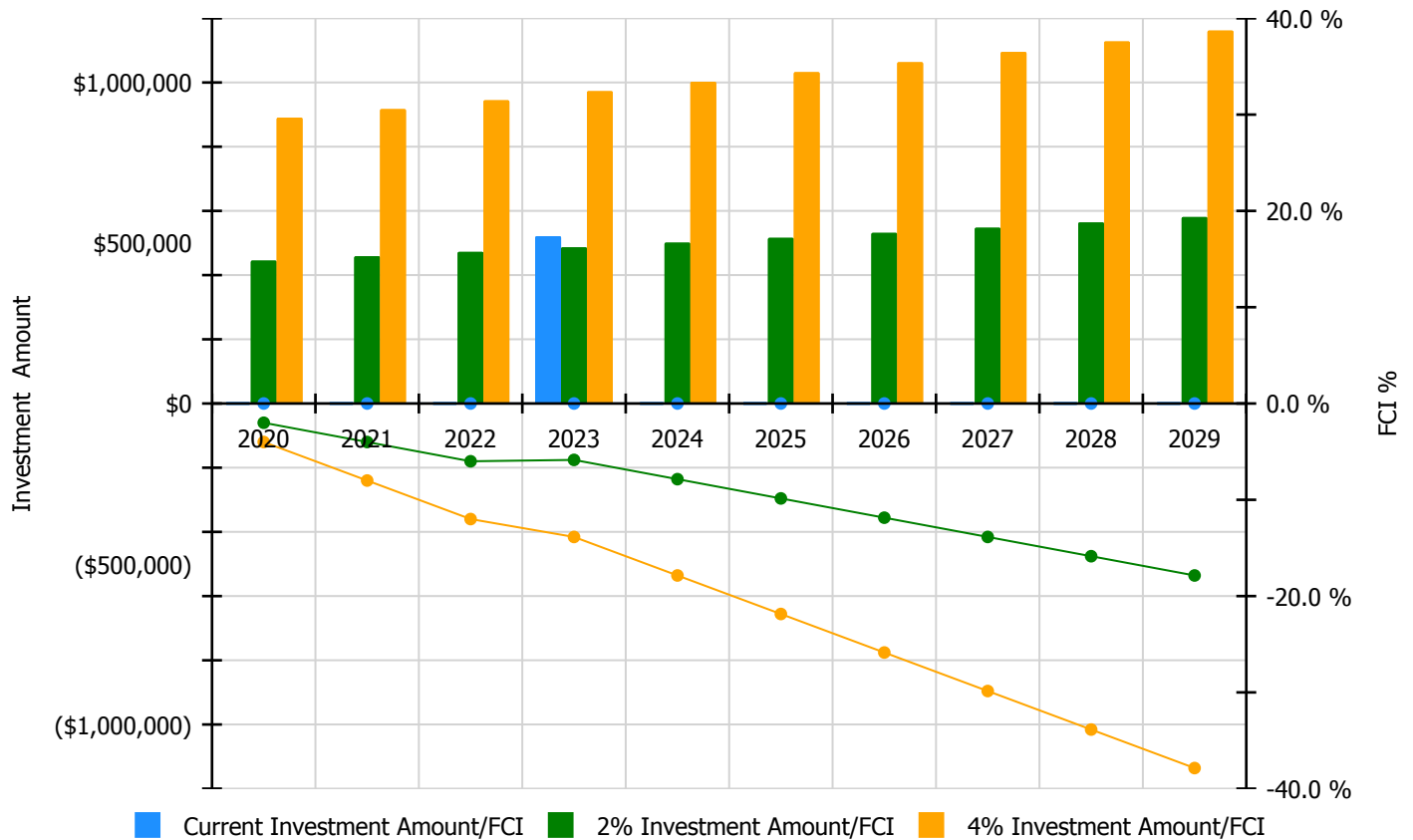


Condition Index Forecast by Investment Scenario

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

Facility Investment vs. FCI Forecast



Year	Investment Amount Current FCI - 0%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	\$0	\$445,215.00	-2.00 %	\$890,429.00	-4.00 %
2021	\$0	\$458,571.00	-4.00 %	\$917,142.00	-8.00 %
2022	\$0	\$472,328.00	-6.00 %	\$944,657.00	-12.00 %
2023	\$521,084	\$486,498.00	-5.86 %	\$972,996.00	-13.86 %
2024	\$0	\$501,093.00	-7.86 %	\$1,002,186.00	-17.86 %
2025	\$0	\$516,126.00	-9.86 %	\$1,032,252.00	-21.86 %
2026	\$0	\$531,610.00	-11.86 %	\$1,063,219.00	-25.86 %
2027	\$0	\$547,558.00	-13.86 %	\$1,095,116.00	-29.86 %
2028	\$0	\$563,985.00	-15.86 %	\$1,127,969.00	-33.86 %
2029	\$0	\$580,904.00	-17.86 %	\$1,161,808.00	-37.86 %
Total:	\$521,084	\$5,103,888.00		\$10,207,774.00	

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.

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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.

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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.

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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.

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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.



Suitability Report - Full

Project #: 12382	County: Atlanta Public Schools	Site #: 0127
Project: APS Assessments 2019	Region: 761	Site: North Atlanta HS
Grade Config: 9-12	Site Type: High	Site Size: 57.00

Suitability	Rating	Score	Possible Score	Percent Score
Suitability - HS				
Learning Environment				
Learning Style Variety	Excel	5.00	5.00	100.00
Interior Environment	Good	1.60	2.00	80.00
Exterior Environment	Fair	0.98	1.50	65.00
General Classrooms				
Environment	Fair	2.54	3.90	65.00
Size	Excel	9.75	9.75	100.00
Location	Good	2.34	2.93	80.00
Storage/Fixed Equip	Good	2.34	2.93	80.00
Self-Contained Special Ed				
Environment	Good	0.43	0.53	80.00
Size	Fair	0.87	1.33	65.00
Location	Good	0.32	0.40	80.00
Storage/Fixed Equip	Excel	0.40	0.40	100.00
Instructional Resource Rooms				
Environment	Good	0.64	0.80	80.00
Size	Good	1.60	2.00	80.00
Location	Good	0.48	0.60	80.00
Storage/Fixed Equip	Good	0.48	0.60	80.00
Science				
Environment	Excel	0.83	0.83	100.00
Size	Excel	2.07	2.07	100.00
Location	Excel	0.62	0.62	100.00
Storage/Fixed Equip	Excel	0.62	0.62	100.00
Music				
Environment	Excel	0.59	0.59	100.00
Size	Excel	1.48	1.48	100.00
Location	Good	0.36	0.45	80.00
Storage/Fixed Equip	Excel	0.45	0.45	100.00
Art				
Environment	Excel	0.67	0.67	100.00
Size	Excel	1.66	1.66	100.00
Location	Excel	0.50	0.50	100.00
Storage/Fixed Equip	Excel	0.50	0.50	100.00
Career Tech Ed				
Environment	Good	1.37	1.71	80.00

Project #: 12382

County: Atlanta Public Schools

Site #: 0127

Project: APS Assessments 2019

Region: 761

Site: North Atlanta HS

Grade Config: 9-12

Site Type: High

Site Size: 57.00

Suitability	Rating	Score	Possible Score	Percent Score
Size	Excel	4.27	4.27	100.00
Location	Good	1.03	1.28	80.00
Storage/Fixed Equip	Excel	1.28	1.28	100.00
Computer Labs				
Environment	Good	0.24	0.30	80.00
Size	Fair	0.49	0.75	65.00
Location	Excel	0.23	0.23	100.00
Storage/Fixed Equip	Excel	0.23	0.23	100.00
P.E.				
Environment	Excel	2.40	2.40	100.00
Size	Excel	6.00	6.00	100.00
Location	Excel	1.80	1.80	100.00
Storage/Fixed Equip	Excel	1.80	1.80	100.00
Performing Arts				
Environment	Excel	0.32	0.32	100.00
Size	Excel	0.80	0.80	100.00
Location	Excel	0.24	0.24	100.00
Storage/Fixed Equip	Excel	0.24	0.24	100.00
Media Center				
Environment	Excel	0.84	0.84	100.00
Size	Fair	1.37	2.11	65.00
Location	Good	0.51	0.63	80.00
Storage/Fixed Equip	Excel	0.63	0.63	100.00
Restrooms (Student)	Good	0.73	0.91	80.00
Administration	Good	2.09	2.61	80.00
Counseling	Good	0.61	0.76	80.00
Clinic	Excel	0.24	0.24	100.00
Staff WkRm/Toilets	Good	0.57	0.71	80.00
Cafeteria	Excel	4.00	4.00	100.00
Food Service and Prep	Fair	3.32	5.11	65.00
Custodial and Maintenance	Good	0.40	0.50	80.00
Outside				
Vehicular Traffic	Good	0.80	1.00	80.00
Pedestrian Traffic	Good	0.78	0.98	80.00
Parking	Excel	2.11	2.11	100.00
Athletic Courts and Fields	Good	2.21	2.77	80.00
Safety and Security				
Fencing	Fair	0.55	0.85	65.00
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:		88.18	100.00	88.18

Comments

Project #: 12382

County: Atlanta Public Schools

Site #: 0127

Project: APS Assessments 2019

Region: 761

Site: North Atlanta HS

Grade Config: 9-12

Site Type: High

Site Size: 57.00

Suitability	Rating	Score	Possible Score	Percent Score
Suitability - HS				
North Atlanta HS is an International Baccalaureate school. The school is housed in an 11 story building that was once occupied by a major corporate employer. In 2013 the building was acquired and converted into a high school. The site includes a parking garage, athletic facility and the main campus building that bridges over a river with the remaining of the campus being quite scenic amongst its natural surroundings.				
Suitability - HS->Learning Environment-->Exterior Environment				
The outdoors is quite picturesque but does not include a defined outdoor classrooms.				
Suitability - HS->General Classrooms-->Environment				
About 35% of the classrooms are located within the interior of the building and since there are no exterior walls there are no windows in those classrooms.				
Suitability - HS->Self-Contained Special Ed-->Size				
The self contained classroom meets the size requirements. The living center self contained is 50% of the required size.				
Suitability - HS->Career Tech Ed-->Size				
The CTED programs are of business style.				
Suitability - HS->Computer Labs-->Size				
The labs are 68% of the recommended size.				
Suitability - HS->Media Center-->Size				
The media center is 70% of the recommended standard.				
Suitability - HS->Food Service and Prep				
The food service prep area is 73% of the recommended standard.				
Suitability - HS->Outside-->Pedestrian Traffic				
A defined pedestrian route is under construction.				
Suitability - HS->Safety and Security-->Fencing				
The site is not entirely fenced in or secured.				