

Atlanta Public Schools/ Washington Cluster

Tuskegee Airmen Global Academy

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):	107,747
Year Built:	2019
Last Renovation:	
Replacement Value:	\$20,892,757
Repair Cost:	\$0.00
Total FCI:	0.00 %
Total RSLI:	100.00 %
FCA Score:	100.00



Description:

Tuskegee Airmen Global Academy is a new two story school located at 1626 Westhaven Dr Southwest in Atlanta, GA. The 3 story, 107,747 square foot building was constructed in 2019.

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 building rests on slab-on grade and is assumed to have standard cast-in-place concrete foundations. There is a small basement level consisting of mechanical and electrical equipment.

B. SUPERSTRUCTURE

Floor construction is concrete. Roof construction is concrete. The exterior envelope is composed walls of brick veneer over CMU, metal plate panels and curtain glass walls in entrances. Exterior windows are aluminum frame with fixed panes. Exterior doors are hollow

School Assessment Report - Tuskegee Airmen Global Academy

metal steel and aluminum with glazing. Roofing is typically low slope vegetative built-up system.

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 are metal pan with concrete filled treads and landing. The interior wall finishes are typically painted CMU and painted drywalls. Wall finishes in assignable areas are tile. Floor finishes in common areas are typically vinyl composite tile. Floor finishes in assignable spaces are typically vinyl composition tile, epoxy, carpet, wood and rubber. Ceiling finishes in common areas are typically suspended acoustical tile and paint over exposed structure. Ceiling finishes in assignable areas are typically painted over exposed structures.

D. SERVICES

CONVEYING: The building does include conveying equipment. Conveying equipment includes one elevator, and one wheelchair lift.

PLUMBING: Plumbing fixtures are typically low-flow water fixtures with manual control valves. Domestic water distribution is combination of copper and galvanized steel with gas fired hot water heating. Sanitary waste system is cast iron. Rainwater drainage system is internal with roof drains and scuppers. Other plumbing systems is supplied by natural gas.

HVAC: Heating and cooling is provided by rooftop DX systems. The heating/cooling distribution system is a ductwork system utilizing air handling units. Ceiling mounted exhaust fans are installed in bathrooms and other required areas. Controls and instrumentation are digital and are centrally controlled by an energy management system. This building has a remote Building Automation System.

FIRE PROTECTION: The building does have a fire sprinkler system. The building does have additional fire suppression systems, which include dry chemical protection. Standpipes are included within the building as well. Fire extinguishers and cabinets are distributed near fire exits and 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 lay-in type, fluorescent light fixtures. Branch circuit wiring is typically copper serving electrical switches and receptacles. Emergency and life safety egress lighting systems are installed and exit signs are present at exit doors and near stairways and are typically illuminated.

COMMUNICATIONS AND SECURITY: The fire alarm system consists of audible/visual strobe annunciators in common spaces, balconies and interior corridors. The system is activated by manual pull stations and smoke detectors and the system is centrally monitored. The telephone and data systems are segregated and include dedicated equipment closets. This building does have a local area network (LAN). The building includes an internal security system that is actuated by the following items: contacts, infrared, optical or a combination of all devices. The building has controlled entry doors access provided by card readers; entry doors are secured with magnetic door locks. The security system has CCTV cameras and is centrally monitored; this building has a public address and paging system combined with the telephone system.

OTHER ELECTRICAL SYSTEMS: This building does have a separately derived emergency power system. There is a single natural gas emergency generator.

E. EQUIPMENT & FURNISHINGS

This building includes the following items and equipment: fixed food service, library equipment, athletic equipment, theater and stage, audio-visual, laboratory, fixed casework, window treatment, floor grilles and mats, and multiple seating furnishings.

G. SITE

Campus site features include: asphalt paved driveways and parking lots; covered walkways; concrete pedestrian pavements; retaining walls; flagpole; landscaping; play areas and fencing. Site mechanical and electrical features include: water; sanitary and storm sewers; natural gas; and site lighting.

CODE REVIEW

ACCESSIBILITY: The building is in compliance with applicable ADA requirements with respect to path of travel, interior and exterior doors, toilet room dimensions, fixtures, and fittings. Most building entrances appear to comply with ADA requirements.

LIFE SAFETY SYSTEMS: The building 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 a combination of battery and special circuit systems. Illuminated exit signage is present in corridors and at exit doors.

School Assessment Report - Tuskegee Airmen Global Academy

Attributes:

General Attributes:

Arch Condition Assessor:	Eduardo Lopez	MEP Condition Assessor:	Jejuan Hall
School Grades:	-	DOE Drawing Total GSF:	107747
DOE Facility Number:	1071	Total # of Modular/Portables:	0
DOE Interior Site SF:	-	Total GSF of Modular/Portables:	0
Approx. Acres:	4.8	Status:	Active

School Dashboard Summary

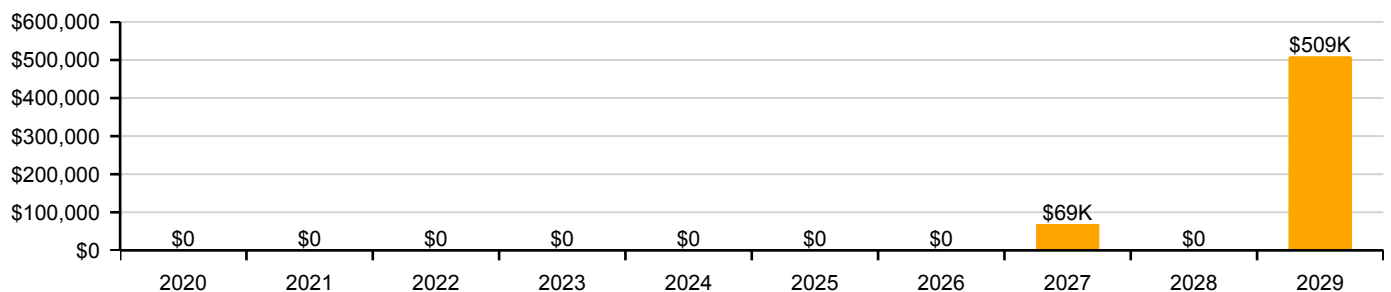
Gross Area:	107,747	Last Renovation:	
Year Built:	2019	Replacement Value:	\$20,892,757
Repair Cost:	\$0	RSLI%:	100.00 %
FCI:	0.00 %		

No data found for this asset

No data found for this asset

No data found for this asset

10 Year Investment Forecast



School Condition Summary

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

Current Investment Requirement and Condition by Uniformat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	100.00 %	0.00 %	\$0.00
A20 - Basement Construction	100.00 %	0.00 %	\$0.00
B10 - Superstructure	100.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	100.00 %	0.00 %	\$0.00
B30 - Roofing	100.00 %	0.00 %	\$0.00
C10 - Interior Construction	100.00 %	0.00 %	\$0.00
C20 - Stairs	100.00 %	0.00 %	\$0.00
C30 - Interior Finishes	100.00 %	0.00 %	\$0.00
D10 - Conveying	100.00 %	0.00 %	\$0.00
D20 - Plumbing	100.00 %	0.00 %	\$0.00
D30 - HVAC	100.00 %	0.00 %	\$0.00
D40 - Fire Protection	100.00 %	0.00 %	\$0.00
D50 - Electrical	100.00 %	0.00 %	\$0.00
E10 - Equipment	100.00 %	0.00 %	\$0.00
E20 - Furnishings	100.00 %	0.00 %	\$0.00
G20 - Site Improvements	100.00 %	0.00 %	\$0.00
G30 - Site Mechanical Utilities	100.00 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	100.00 %	0.00 %	\$0.00
Totals:	100.00 %	0.00 %	\$0.00

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
2019 Bldg 2010	107,747	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Site	107,747	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total:		0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Deficiencies By Priority

Budget Estimate Total:

Executive Summary

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Function:	Elementary Charter
Gross Area (SF):	107,747
Year Built:	2019
Last Renovation:	
Replacement Value:	\$17,519,238
Repair Cost:	\$0.00
Total FCI:	0.00 %
Total RSLI:	100.00 %
FCA Score:	100.00



Description:

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

Attributes: This asset has no attributes.

Dashboard Summary

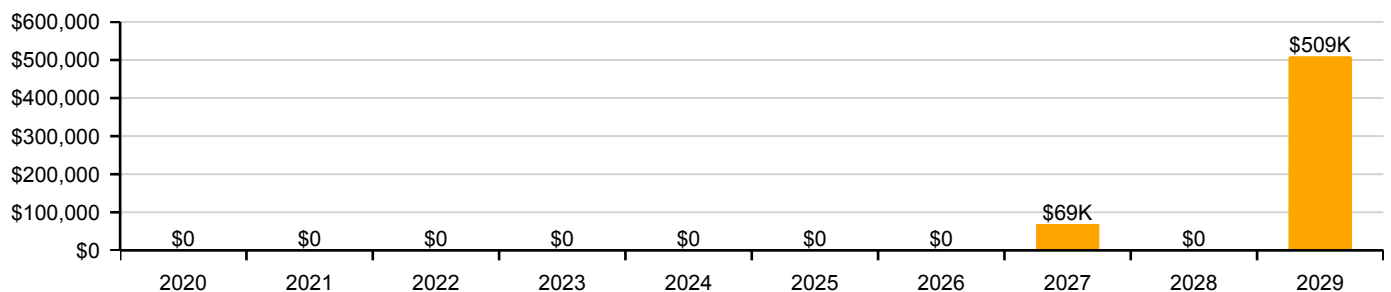
Function:	Elementary Charter	Gross Area:	107,747
Year Built:	2019	Last Renovation:	
Repair Cost:	\$0	Replacement Value:	\$17,519,238
FCI:	0.00 %	RSLI%:	100.00 %

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
A10 - Foundations	100.00 %	0.00 %	\$0.00
A20 - Basement Construction	100.00 %	0.00 %	\$0.00
B10 - Superstructure	100.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	100.00 %	0.00 %	\$0.00
B30 - Roofing	100.00 %	0.00 %	\$0.00
C10 - Interior Construction	100.00 %	0.00 %	\$0.00
C20 - Stairs	100.00 %	0.00 %	\$0.00
C30 - Interior Finishes	100.00 %	0.00 %	\$0.00
D10 - Conveying	100.00 %	0.00 %	\$0.00
D20 - Plumbing	100.00 %	0.00 %	\$0.00
D30 - HVAC	100.00 %	0.00 %	\$0.00
D40 - Fire Protection	100.00 %	0.00 %	\$0.00
D50 - Electrical	100.00 %	0.00 %	\$0.00
E10 - Equipment	100.00 %	0.00 %	\$0.00
E20 - Furnishings	100.00 %	0.00 %	\$0.00
Totals:	100.00 %	0.00 %	\$0.00

Photo Album

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

1). North Elevation - Jan 13, 2020



2). East Elevation - Jan 13, 2020



3). South Elevation - Jan 13, 2020



4). West Elevation - Jan 13, 2020



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	\$6.66	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$717,595
A1030	Slab on Grade	\$5.64	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$607,693
A2010	Basement Excavation	\$0.18	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$19,394
A2020	Basement Walls	\$2.10	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$226,269
B1010	Floor Construction	\$16.50	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$1,777,826
B1020	Roof Construction	\$10.67	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$1,149,660
B2010	Exterior Walls	\$11.32	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$1,219,696
B2020	Exterior Windows	\$7.08	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$762,849
B2030	Exterior Doors	\$0.70	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$75,423
B3010105	Built-Up	\$7.15	S.F.	30,440	25	2019	2044		100.00 %	0.00 %	25			\$217,646
B3020	Roof Openings	\$0.45	S.F.	30,440	30	2019	2049		100.00 %	0.00 %	30			\$13,698
C1010	Partitions	\$4.79	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$516,108
C1020	Interior Doors	\$3.12	S.F.	107,747	40	2019	2059		100.00 %	0.00 %	40			\$336,171
C1030	Fittings	\$2.26	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$243,508
C2010	Stair Construction	\$2.45	S.F.	107,747	100	2019	2119		100.00 %	0.00 %	100			\$263,980
C3010220	Tile	\$9.25	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$996,660
C3010230	Paint & Covering	\$1.47	S.F.	107,747	10	2019	2029		100.00 %	0.00 %	10			\$158,388
C3020901	Carpet	\$7.50	S.F.	6,609	8	2019	2027		100.00 %	0.00 %	8			\$49,568
C3020903	VCT	\$3.48	S.F.	89,107	15	2019	2034		100.00 %	0.00 %	15			\$310,092
C3020999	Other - Concrete Finish w/Sealer	\$6.87	S.F.	1,200	10	2019	2029		100.00 %	0.00 %	10			\$8,244
C3020999	Other - Rubber or Neoprene	\$26.67	S.F.	6,668	10	2019	2029		100.00 %	0.00 %	10			\$177,836
C3020999	Other - Vinyl Sheet	\$7.09	S.F.	4,163	15	2019	2034		100.00 %	0.00 %	15			\$29,516
C3030	Ceiling Finishes	\$7.71	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$830,729
D1010	Elevators and Lifts	\$1.23	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$132,529
D2010	Plumbing Fixtures	\$5.64	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$607,693
D2020	Domestic Water Distribution	\$0.66	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$71,113
D2030	Sanitary Waste	\$1.53	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$164,853
D2040	Rain Water Drainage	\$0.35	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$37,711
D3040	Distribution Systems	\$9.46	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$1,019,287
D3050	Terminal & Package Units	\$14.78	S.F.	107,747	15	2019	2034		100.00 %	0.00 %	15			\$1,592,501
D3060	Controls & Instrumentation	\$1.95	S.F.	107,747	15	2019	2034		100.00 %	0.00 %	15			\$210,107
D4010	Sprinklers	\$3.62	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$390,044

School Assessment Report - 2019 Bldg 2010

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 \$
D4020	Standpipes	\$0.28	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$30,169
D4030	Fire Protection Specialties	\$0.08	S.F.	107,747	15	2019	2034		100.00 %	0.00 %	15			\$8,620
D4090	Other Fire Protection Systems	\$0.53	S.F.	107,747	15	2019	2034		100.00 %	0.00 %	15			\$57,106
D5010	Electrical Service/Distribution	\$1.98	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$213,339
D5020	Branch Wiring	\$4.10	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$441,763
D5020	Lighting	\$6.17	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$664,799
D5030810	Security & Detection Systems	\$1.51	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$162,698
D5030910	Fire Alarm Systems	\$2.74	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$295,227
D5030920	Data Communication	\$3.56	S.F.	107,747	25	2019	2044		100.00 %	0.00 %	25			\$383,579
D5090	Other Electrical Systems	\$0.30	S.F.	107,747	15	2019	2034		100.00 %	0.00 %	15			\$32,324
E1020	Institutional Equipment	\$0.09	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$9,697
E1090	Other Equipment	\$0.76	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$81,888
E2010	Fixed Furnishings	\$1.89	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$203,642
Total									100.00 %					\$17,519,238

System Notes

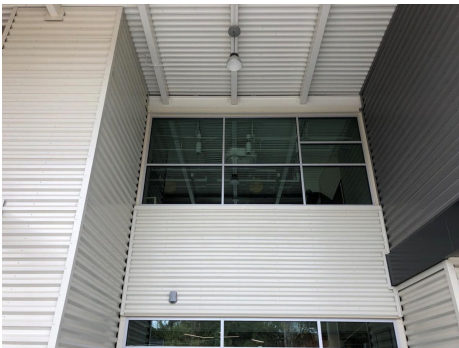
The facility description in the executive summary contains an overview of each system. The system notes listed below provide additional information on select systems found within the facility.

System: B2010 - Exterior Walls



Note:

System: B2020 - Exterior Windows



Note:

System: B2030 - Exterior Doors



Note:

School Assessment Report - 2019 Bldg 2010

System: B3010105 - Built-Up



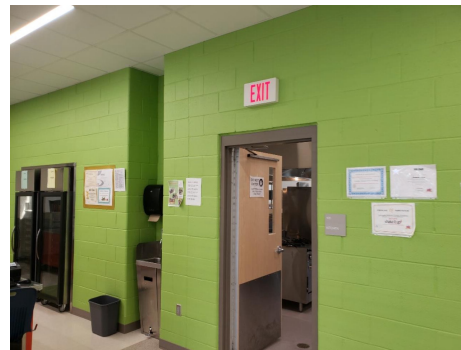
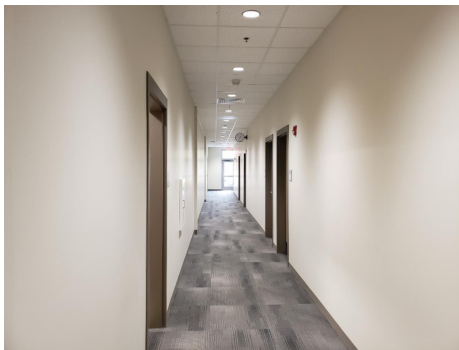
Note:

System: B3020 - Roof Openings



Note:

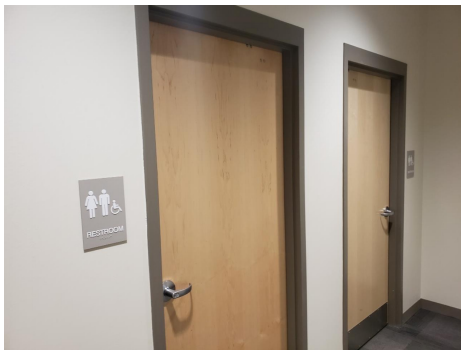
System: C1010 - Partitions



Note:

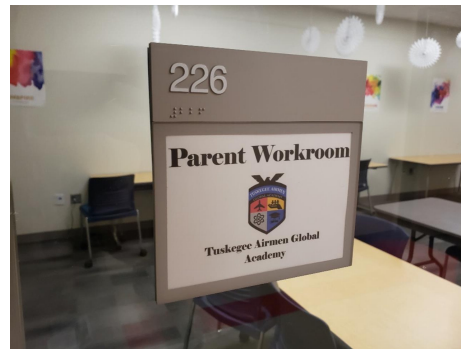
School Assessment Report - 2019 Bldg 2010

System: C1020 - Interior Doors



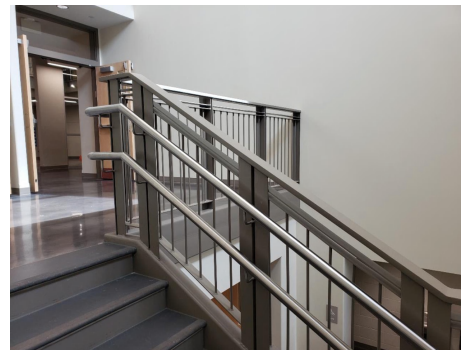
Note:

System: C1030 - Fittings



Note:

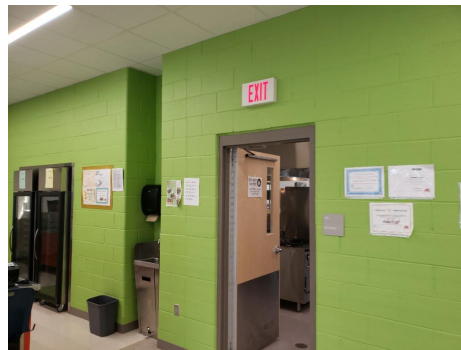
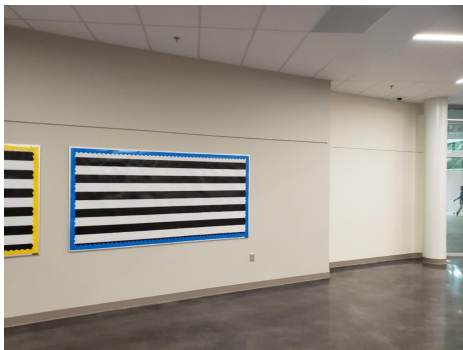
System: C2010 - Stair Construction



Note:

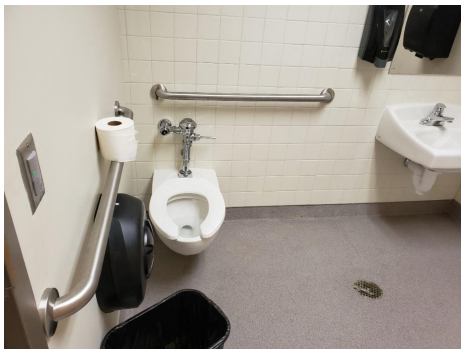
School Assessment Report - 2019 Bldg 2010

System: C3010 - Wall Finishes



Note:

System: C3010220 - Tile



Note:

System: C3010230 - Paint & Covering



Note:

School Assessment Report - 2019 Bldg 2010

System: C3020901 - Carpet



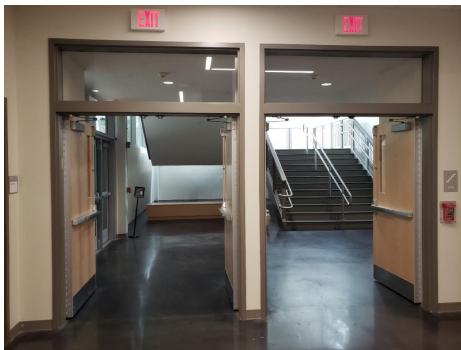
Note:

System: C3020903 - VCT



Note:

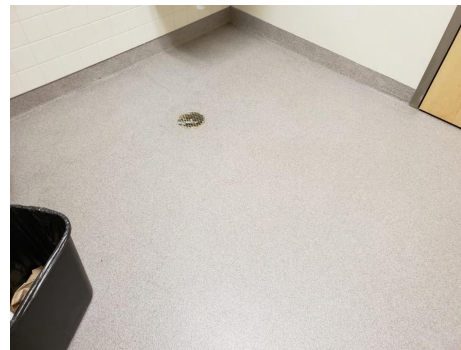
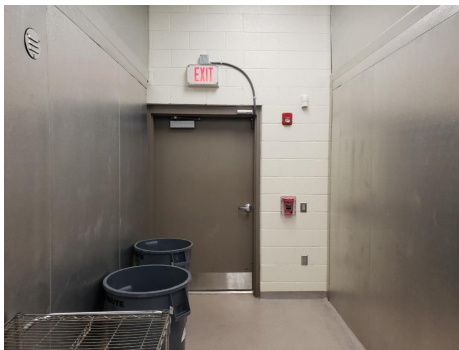
System: C3020999 - Other - Concrete Finish w/Sealer



Note:

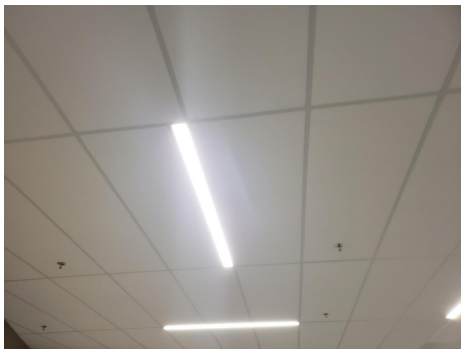
School Assessment Report - 2019 Bldg 2010

System: C3020999 - Other - Vinyl Sheet



Note:

System: C3030 - Ceiling Finishes



Note:

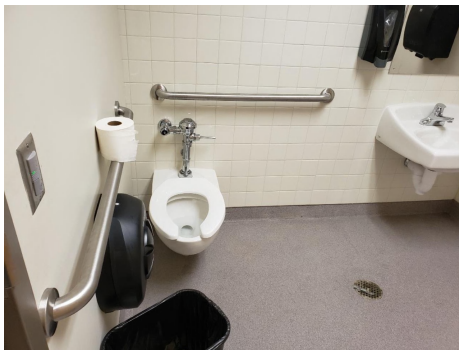
System: D1010 - Elevators and Lifts



Note:

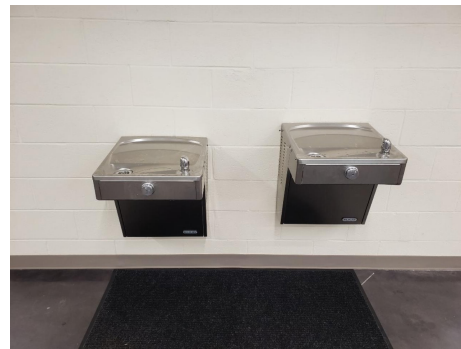
School Assessment Report - 2019 Bldg 2010

System: D2010 - Plumbing Fixtures



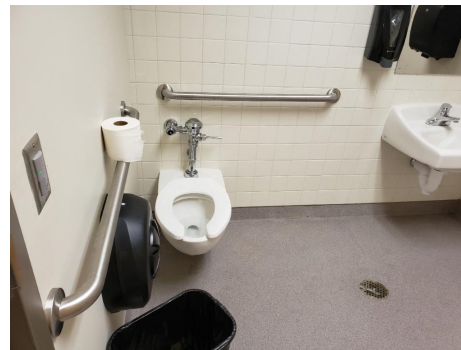
Note:

System: D2020 - Domestic Water Distribution



Note:

System: D2030 - Sanitary Waste



Note:

School Assessment Report - 2019 Bldg 2010

System: D2040 - Rain Water Drainage



Note:

System: D3040 - Distribution Systems



Note:

System: D3050 - Terminal & Package Units



Note:

School Assessment Report - 2019 Bldg 2010

System: D3060 - Controls & Instrumentation



Note:

System: D4010 - Sprinklers



Note:

System: D4020 - Standpipes



Note:

School Assessment Report - 2019 Bldg 2010

System: D4030 - Fire Protection Specialties



Note:

System: D4090 - Other Fire Protection Systems



Note:

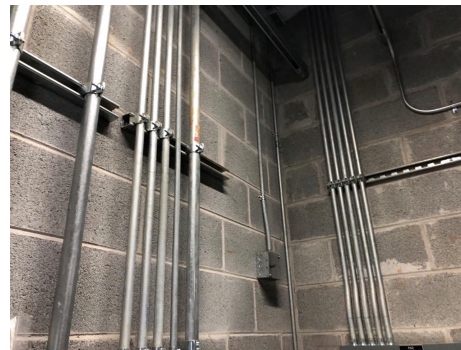
System: D5010 - Electrical Service/Distribution



Note:

School Assessment Report - 2019 Bldg 2010

System: D5020 - Branch Wiring



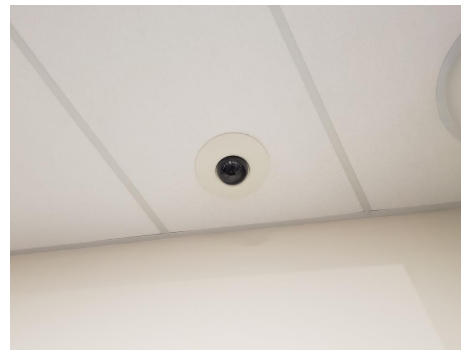
Note:

System: D5020 - Lighting



Note:

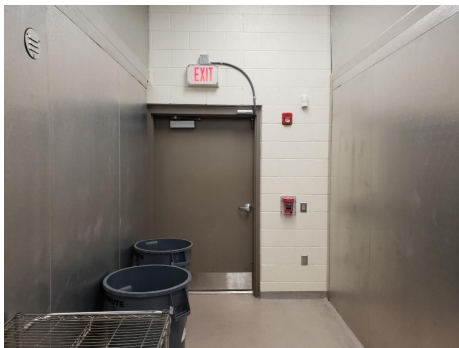
System: D5030810 - Security & Detection Systems



Note:

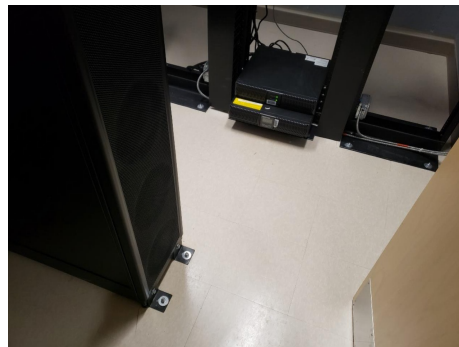
School Assessment Report - 2019 Bldg 2010

System: D5030910 - Fire Alarm Systems



Note:

System: D5030920 - Data Communication



Note:

System: D5090 - Other Electrical Systems



Note:

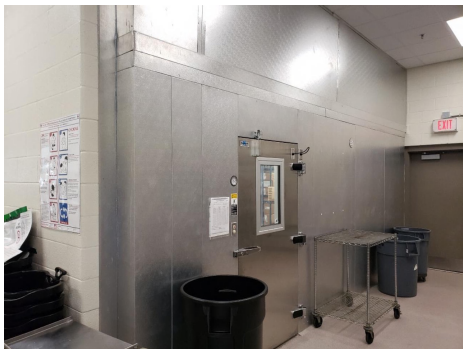
School Assessment Report - 2019 Bldg 2010

System: E1020 - Institutional Equipment



Note:

System: E1090 - Other Equipment



Note:

System: E2010 - Fixed Furnishings



Note:

Renewal Schedule

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

Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$69,069	\$0	\$509,229	\$578,298
* 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
* A20 - Basement Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
* A2010 - Basement Excavation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
* A2020 - Basement Walls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B - Shell	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B10 - Superstructure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
* B1010 - Floor Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
* B1020 - Roof Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B20 - Exterior Enclosure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
* B2010 - Exterior Walls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B2020 - Exterior Windows	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B2030 - Exterior Doors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B30 - Roofing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B3010 - Roof Coverings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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

School Assessment Report - 2019 Bldg 2010

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
* C2010 - Stair Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C30 - Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010 - Wall Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010220 - Tile	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010230 - Paint & Covering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$234,147	\$234,147
C3020 - Floor Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020901 - Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$69,069	\$0	\$0	\$69,069
C3020903 - VCT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020999 - Other - Concrete Finish w/Sealer	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,187	\$12,187
C3020999 - Other - Rubber or Neoprene	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$262,896	\$262,896
C3020999 - Other - Vinyl Sheet	\$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
D3040 - Distribution Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D3050 - Terminal & Package Units	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D3060 - Controls & Instrumentation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D40 - Fire Protection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4010 - Sprinklers	\$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
D4030 - Fire Protection Specialties	\$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	\$0	\$0	\$0
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
D5020 - Branch Wiring	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

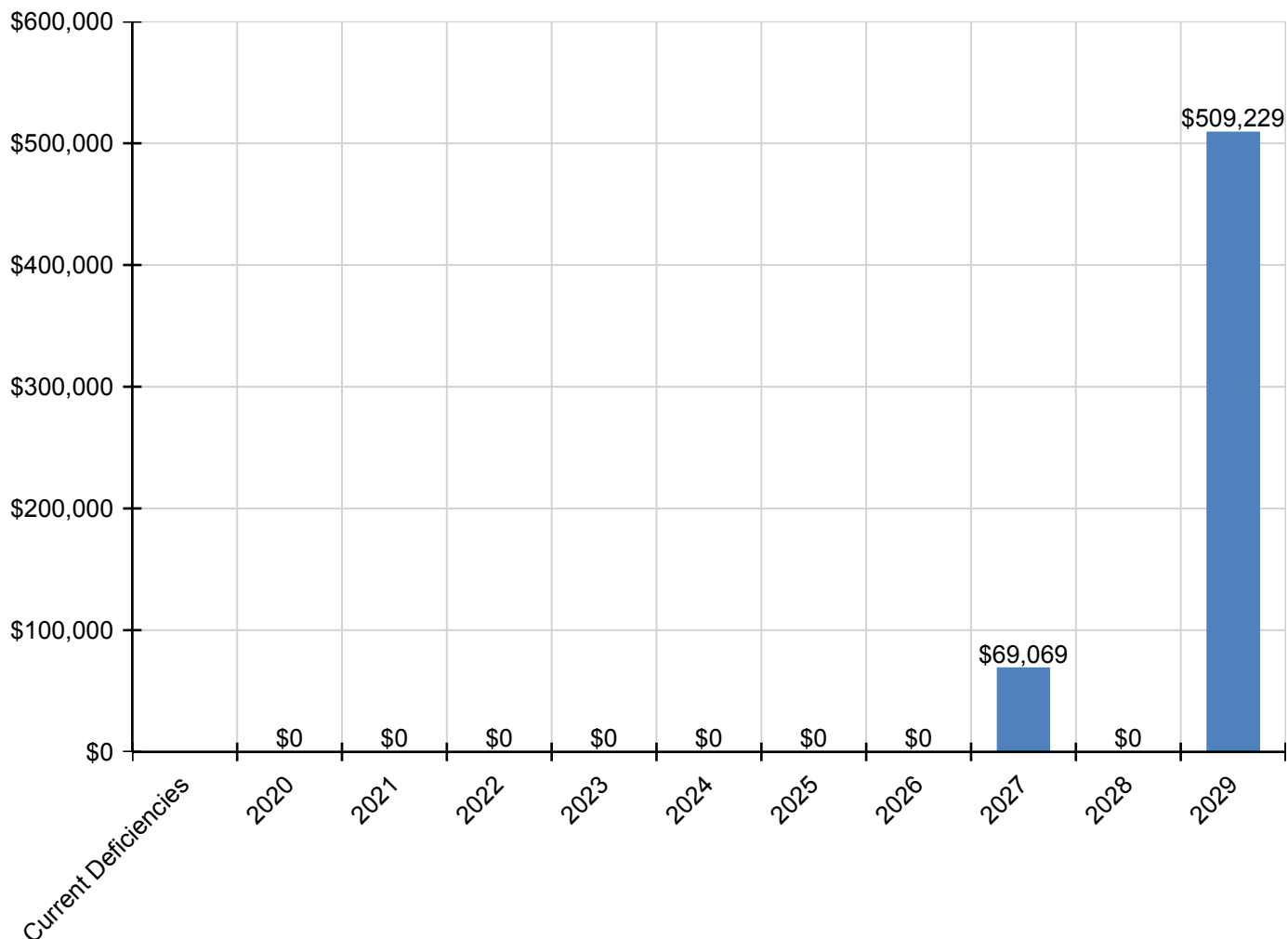
School Assessment Report - 2019 Bldg 2010

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
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	\$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.

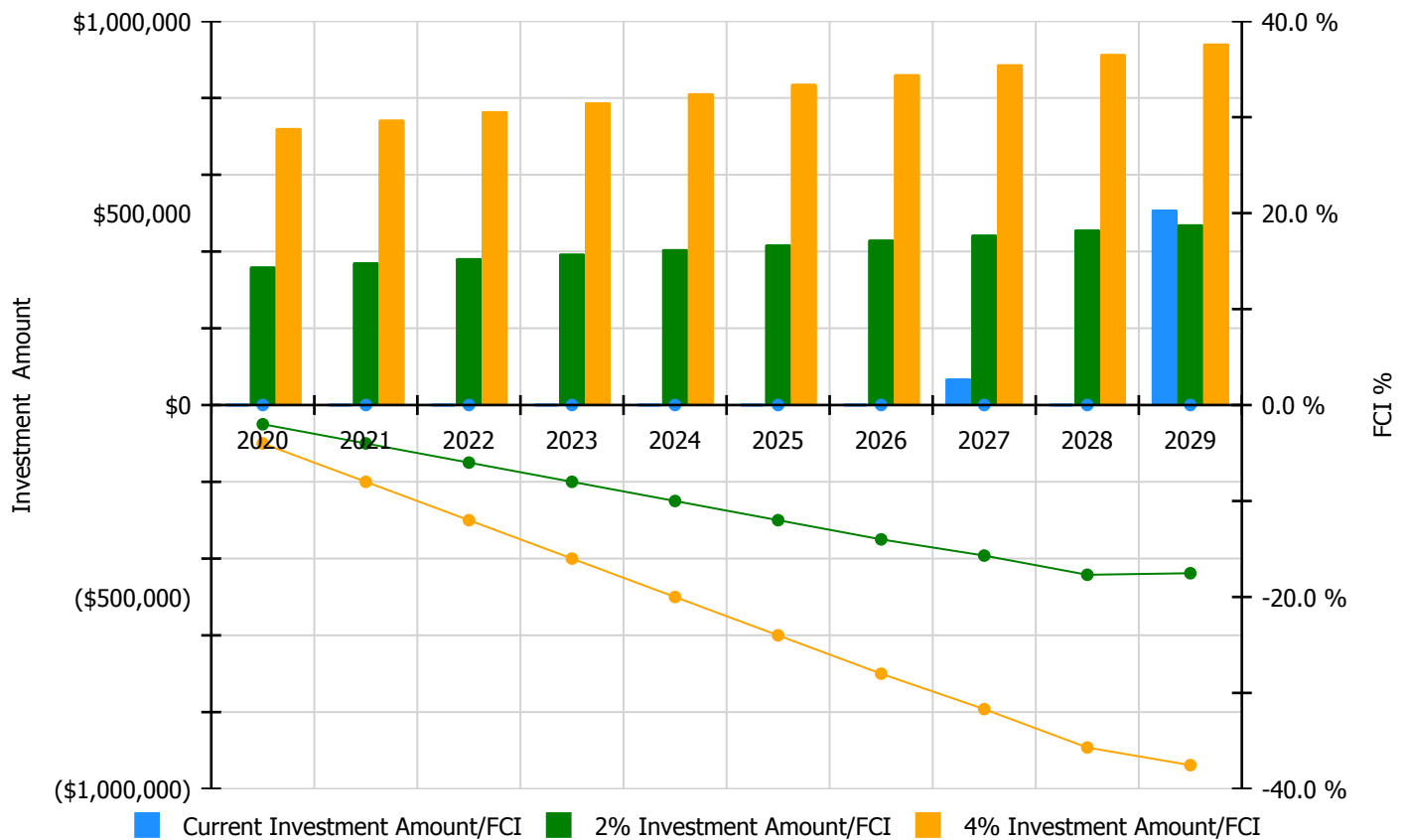


Condition Index Forecast by Investment Scenario

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%	2% Investment		4% Investment	
		Amount	FCI	Amount	FCI
2020	\$0	\$360,896.00	-2.00 %	\$721,793.00	-4.00 %
2021	\$0	\$371,723.00	-4.00 %	\$743,446.00	-8.00 %
2022	\$0	\$382,875.00	-6.00 %	\$765,750.00	-12.00 %
2023	\$0	\$394,361.00	-8.00 %	\$788,722.00	-16.00 %
2024	\$0	\$406,192.00	-10.00 %	\$812,384.00	-20.00 %
2025	\$0	\$418,378.00	-12.00 %	\$836,755.00	-24.00 %
2026	\$0	\$430,929.00	-14.00 %	\$861,858.00	-28.00 %
2027	\$69,069	\$443,857.00	-15.69 %	\$887,714.00	-31.69 %
2028	\$0	\$457,173.00	-17.69 %	\$914,345.00	-35.69 %
2029	\$509,229	\$470,888.00	-17.53 %	\$941,776.00	-37.53 %
Total:	\$578,298	\$4,137,272.00		\$8,274,543.00	

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

Executive Summary

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

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

Function:

Gross Area (SF): 107,747

Year Built: 2019

Last Renovation:

Replacement Value: \$3,373,519

Repair Cost: \$0.00

Total FCI: 0.00 %

Total RSLI: 100.00 %

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

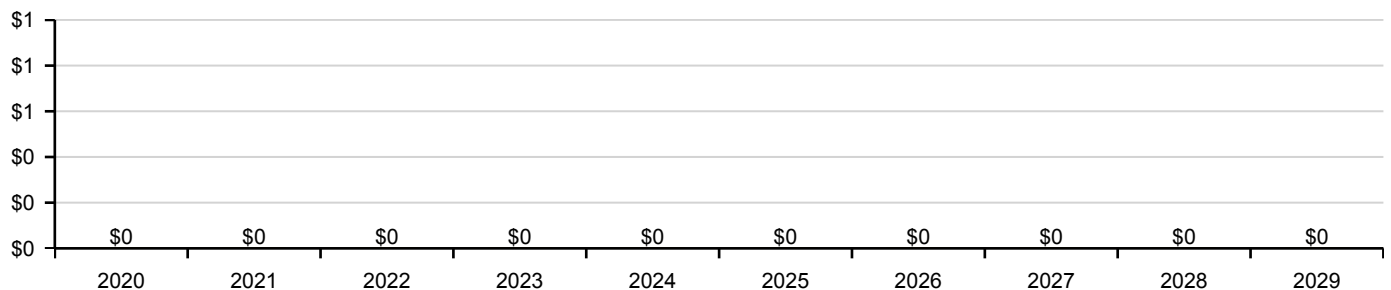
Function:		Gross Area:	107,747
Year Built:	2019	Last Renovation:	
Repair Cost:	\$0	Replacement Value:	\$3,373,519
FCI:	0.00 %	RSLI%:	100.00 %

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	100.00 %	0.00 %	\$0.00
G30 - Site Mechanical Utilities	100.00 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	100.00 %	0.00 %	\$0.00
Totals:	100.00 %	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	\$2.24	S.F.	107,747	35	2019	2054		100.00 %	0.00 %	35			\$241,353
G2020	Parking Lots	\$7.57	S.F.	107,747	35	2019	2054		100.00 %	0.00 %	35			\$815,645
G2030	Pedestrian Paving	\$2.19	S.F.	107,747	35	2019	2054		100.00 %	0.00 %	35			\$235,966
G2040105	Fence & Guardrails	\$1.15	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$123,909
G2040220	Masonry Retaining Walls	\$21.45	S.F.	400	50	2019	2069		100.00 %	0.00 %	50			\$8,580
G2040950	Canopies	\$0.41	S.F.	107,747	25	2019	2044		100.00 %	0.00 %	25			\$44,176
G2040950	Covered Walkways	\$1.44	S.F.	107,747	25	2019	2044		100.00 %	0.00 %	25			\$155,156
G2040950	Playing Field	\$4.28	S.F.	107,747	20	2019	2039		100.00 %	0.00 %	20			\$461,157
G2050	Landscaping	\$1.14	S.F.	107,747	25	2019	2044		100.00 %	0.00 %	25			\$122,832
G3010	Water Supply	\$1.04	S.F.	107,747	50	2019	2069		100.00 %	0.00 %	50			\$112,057
G3020	Sanitary Sewer	\$2.10	S.F.	107,747	50	2019	2069		100.00 %	0.00 %	50			\$226,269
G3030	Storm Sewer	\$1.19	S.F.	107,747	50	2019	2069		100.00 %	0.00 %	50			\$128,219
G4010	Electrical Distribution	\$2.43	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$261,825
G4020	Site Lighting	\$2.85	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$307,079
G4030	Site Communication and Security	\$1.20	S.F.	107,747	30	2019	2049		100.00 %	0.00 %	30			\$129,296
Total									100.00 %					\$3,373,519

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



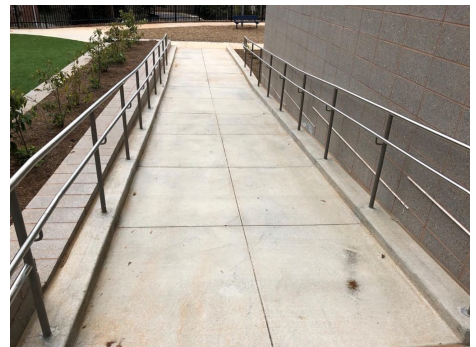
Note:

System: G2020 - Parking Lots



Note:

System: G2030 - Pedestrian Paving



Note:

School Assessment Report - Site

System: G2040105 - Fence & Guardrails



Note:

System: G2040220 - Masonry Retaining Walls



Note:

System: G2040950 - Canopies



Note:

School Assessment Report - Site

System: G2040950 - Covered Walkways



Note:

System: G2040950 - Playing Field



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



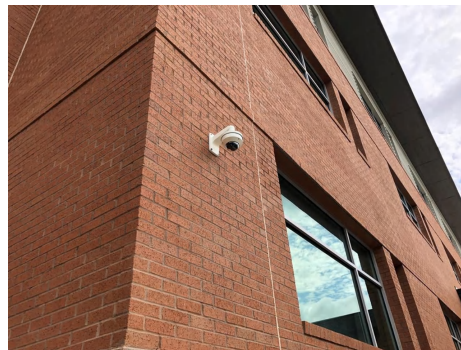
Note:

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.

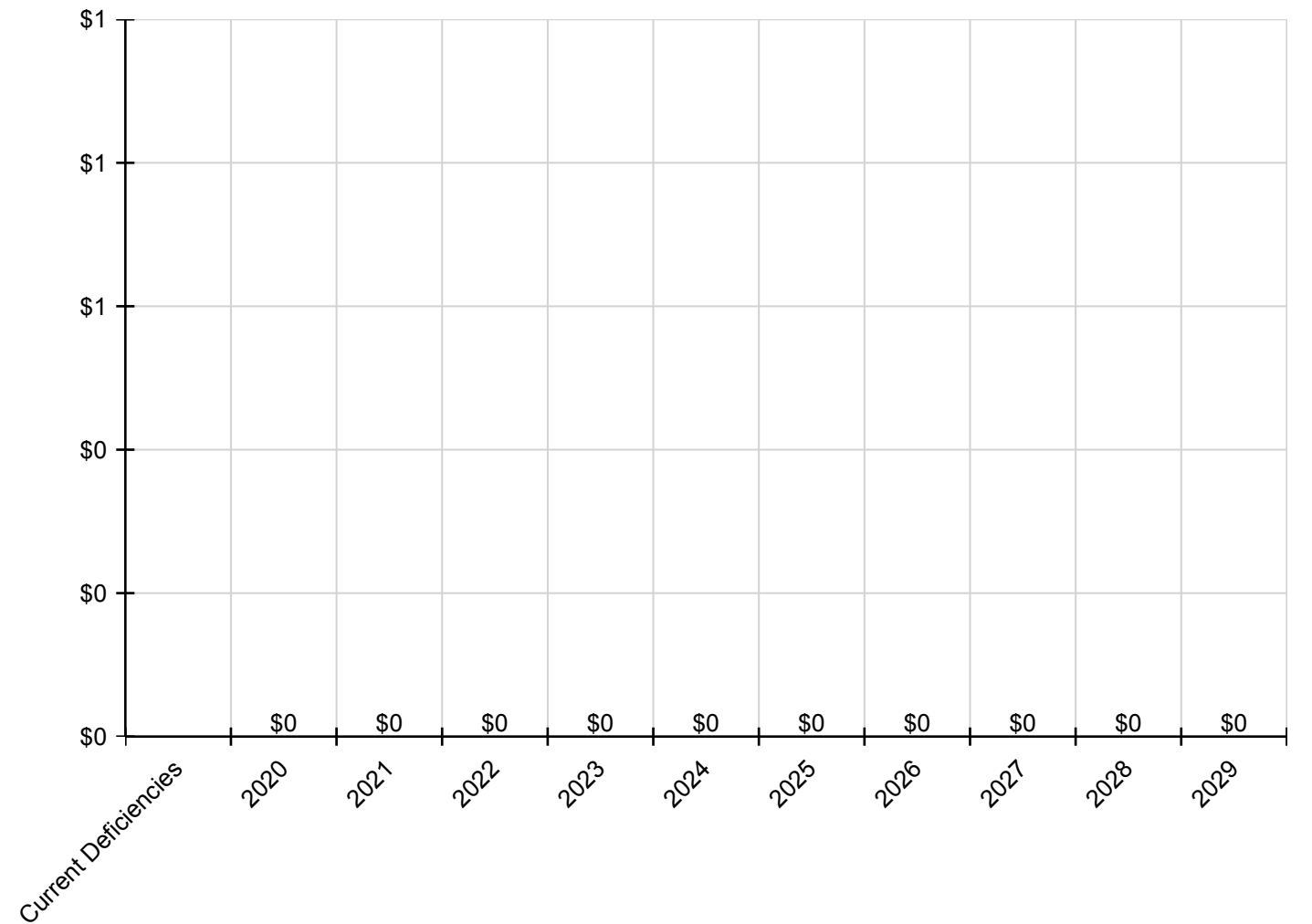
Inflation Rate: 3%

System	Current Deficiencies	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Total:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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
G2040220 - Masonry Retaining Walls	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Canopies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Covered Walkways	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040950 - Playing Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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.

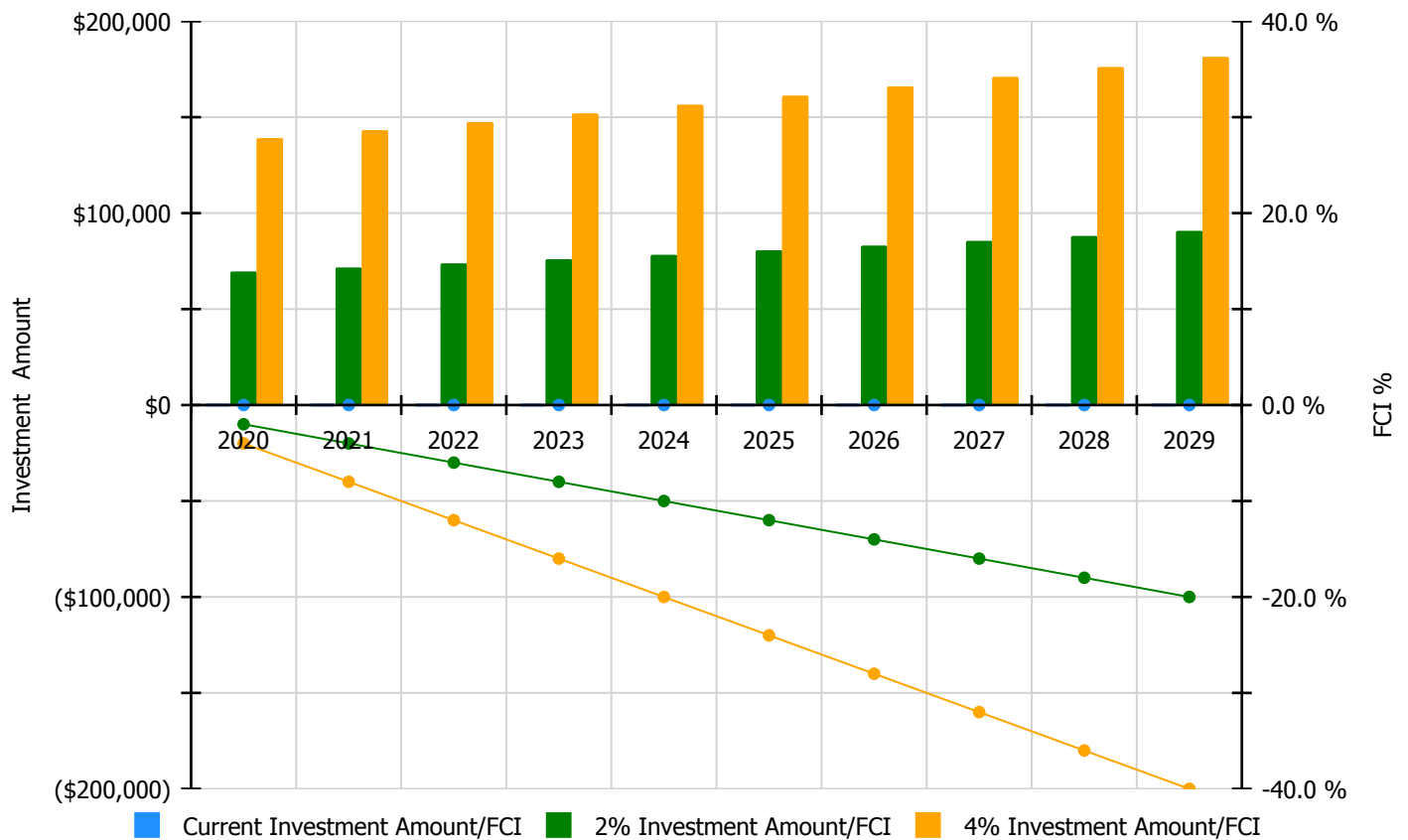


Condition Index Forecast by Investment Scenario

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	\$69,494.00	-2.00 %	\$138,989.00	-4.00 %
2021	\$0	\$71,579.00	-4.00 %	\$143,159.00	-8.00 %
2022	\$0	\$73,727.00	-6.00 %	\$147,453.00	-12.00 %
2023	\$0	\$75,939.00	-8.00 %	\$151,877.00	-16.00 %
2024	\$0	\$78,217.00	-10.00 %	\$156,433.00	-20.00 %
2025	\$0	\$80,563.00	-12.00 %	\$161,126.00	-24.00 %
2026	\$0	\$82,980.00	-14.00 %	\$165,960.00	-28.00 %
2027	\$0	\$85,469.00	-16.00 %	\$170,939.00	-32.00 %
2028	\$0	\$88,034.00	-18.00 %	\$176,067.00	-36.00 %
2029	\$0	\$90,675.00	-20.00 %	\$181,349.00	-40.00 %
Total:	\$0	\$796,677.00		\$1,593,352.00	

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 #: 1071
Project: APS Assessments 2019	Region: 761	Site: Tuskegee Airmen Global
Grade Config: PK-5	Site Type: Elementary	Site Size: 5.00

Suitability	Rating	Score	Possible Score	Percent Score
Suitability - ES				
Learning Environment				
Learning Style Variety	Excel	5.00	5.00	100.00
Interior Environment	Excel	2.00	2.00	100.00
Exterior Environment	Excel	1.50	1.50	100.00
General Classrooms				
Environment	Excel	4.65	4.65	100.00
Size	Excel	11.63	11.63	100.00
Location	Excel	3.49	3.49	100.00
Storage/Fixed Equip	Excel	3.49	3.49	100.00
Kindergarten				
Environment	Excel	0.42	0.42	100.00
Size	Excel	1.04	1.04	100.00
Location	Excel	0.31	0.31	100.00
Storage/Fixed Equip	Excel	0.31	0.31	100.00
ECE				
Environment	Excel	0.50	0.50	100.00
Size	Excel	1.25	1.25	100.00
Location	Excel	0.37	0.37	100.00
Storage/Fixed Equip	Excel	0.37	0.37	100.00
Self-Contained Special Ed				
Environment	Excel	0.48	0.48	100.00
Size	Good	0.96	1.20	80.00
Location	Excel	0.36	0.36	100.00
Storage/Fixed Equip	Excel	0.36	0.36	100.00
Instructional Resource Rooms				
Environment	Excel	0.72	0.72	100.00
Size	Excel	1.80	1.80	100.00
Location	Excel	0.54	0.54	100.00
Storage/Fixed Equip	Excel	0.54	0.54	100.00
Science				
Environment	Excel	0.40	0.40	100.00
Size	Excel	1.00	1.00	100.00
Location	Excel	0.30	0.30	100.00
Storage/Fixed Equip	Excel	0.30	0.30	100.00
Music				
Environment	Excel	0.74	0.74	100.00

Project #: 12382

County: Atlanta Public Schools

Site #: 1071

Project: APS Assessments 2019

Region: 761

Site: Tuskegee Airmen Global

Grade Config: PK-5

Site Type: Elementary

Site Size: 5.00

Suitability	Rating	Score	Possible Score	Percent Score
Size	Excel	1.85	1.85	100.00
Location	Good	0.44	0.56	80.00
Storage/Fixed Equip	Excel	0.56	0.56	100.00
Art				
Environment	Excel	0.47	0.47	100.00
Size	Excel	1.17	1.17	100.00
Location	Good	0.28	0.35	80.00
Storage/Fixed Equip	Excel	0.35	0.35	100.00
Maker Space				
Environment	Excel	0.35	0.35	100.00
Size	Good	0.70	0.88	80.00
Location	Excel	0.26	0.26	100.00
Storage/Fixed Equip	Good	0.21	0.26	80.00
Computer Labs				
Environment	Good	0.27	0.34	80.00
Size	Good	0.68	0.85	80.00
Location	Good	0.20	0.26	80.00
Storage/Fixed Equip	Good	0.20	0.26	80.00
P.E.				
Environment	Excel	1.92	1.92	100.00
Size	Excel	4.80	4.80	100.00
Location	Excel	1.44	1.44	100.00
Storage/Fixed Equip	Excel	1.44	1.44	100.00
Performing Arts				
Environment	Excel	0.60	0.60	100.00
Size	Good	1.21	1.51	80.00
Location	Excel	0.45	0.45	100.00
Storage/Fixed Equip	Good	0.36	0.45	80.00
Media Center				
Environment	Excel	0.97	0.97	100.00
Size	Excel	2.44	2.44	100.00
Location	Excel	0.73	0.73	100.00
Storage/Fixed Equip	Excel	0.73	0.73	100.00
Restrooms (Student)	Excel	0.89	0.89	100.00
Administration	Excel	2.56	2.56	100.00
Counseling	Good	0.23	0.29	80.00
Clinic	Good	0.47	0.58	80.00
Staff WkRm/Toilets	Good	1.01	1.27	80.00
Cafeteria	Good	4.00	5.00	80.00
Food Service and Prep	Excel	6.20	6.20	100.00
Custodial and Maintenance	Good	0.40	0.50	80.00
Outside				
Vehicular Traffic	Good	1.60	2.00	80.00
Pedestrian Traffic	Excel	0.97	0.97	100.00
Parking	Good	0.65	0.81	80.00
Play Areas	Excel	2.34	2.34	100.00

Project #: 12382

County: Atlanta Public Schools

Site #: 1071

Project: APS Assessments 2019

Region: 761

Site: Tuskegee Airmen Global

Grade Config: PK-5

Site Type: Elementary

Site Size: 5.00

Suitability	Rating	Score	Possible Score	Percent Score
Safety and Security				
Fencing	Excel	0.75	0.75	100.00
Signage & Way Finding	Excel	1.00	1.00	100.00
Ease of Supervision	Excel	3.00	3.00	100.00
Controlled Entrances	Good	0.40	0.50	80.00
Total For Site:		96.43	100.00	96.43

Comments

Suitability - ES

The Tuskegee Airmen Global Academy is a kindergarten through grade 4 facility specializing in Aerospace & Engineering. The new three-story structure opened for the 2019-2020 school year.