NC School District/430 Harnett County/Middle School

Western Harnett Middle

Final

Campus Assessment Report

March 11, 2017

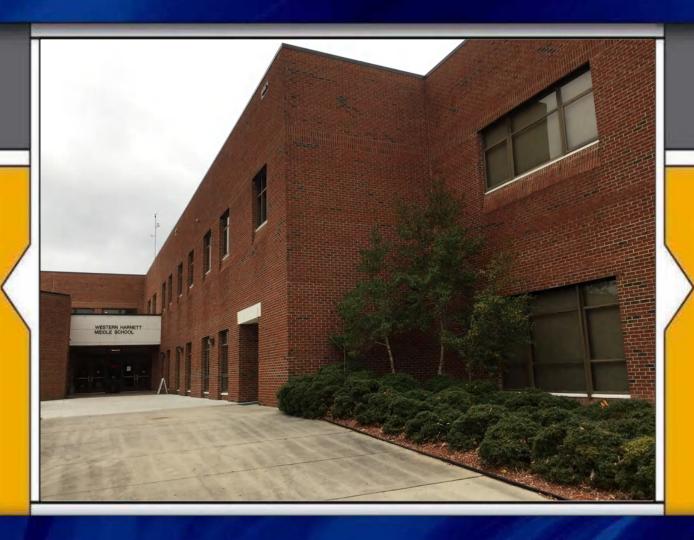


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Campus Executive Summary

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

Gross Area (SF): 143,190

Year Built: 1990

Last Renovation:

Replacement Value: \$34,865,034

Repair Cost:

Total FCI: 11.30 %

Total RSLI:

FCA Score: 88.70





Description:

GENERAL

Western Harnett Middle is located at 11135 NC Hwy 27 West in Lillington North Carolina. The 1 story, 27,822 square foot building was originally constructed in 1957. There have been 2 additions. There is also a press box that serves the baseball field.

This report contains condition and adequacy data collected during the 2016 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. The building has a basement of cast in-place construction.

B. SUPERSTRUCTURE

Floor construction is metal pan deck with lightweight fill. Roof construction is steel. The exterior envelope is composed of walls of brick veneer over CMU. Exterior windows are aluminum frame with fixed panes. Exterior doors are hollow metal steel mostly with glazing. Roofing is typically low slope built-up. Roof openings include sky lights, a roof hatch with fixed ladder access. Most building entrances appear to comply with ADA requirements.

C. INTERIORS

Interior partitions are typically CMU. Interior doors are generally solid core wood with wood 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 steel risers and concrete treads with vinyl composition tile and terrazzo finishes. The interior wall finishes are typically painted CMU. Floor finishes in common areas are typically vinyl composition tile, ceramic tile and terrazzo. Ceiling finishes in common areas are typically suspended acoustical tile. Ceiling finishes in assignable areas are typically suspended acoustical tile.

CONVEYING:

Conveying equipment includes 1 hydraulic elevator, and no wheelchair lifts.

D. SERVICES

PLUMBING:

Plumbing fixtures are typically on-low-flow water fixtures with manual control valves. Domestic water distribution is copper with electric hot water heating. Sanitary waste system is cast iron. Rain water drainage system is internal with roof drains. Other plumbing systems is supplied by above ground fuel tanks and underground fuel tank.

HVAC:

Heating is provided by2 gas fired boilers. Cooling is supplied by2 water cooled chillers. The heating/cooling distribution system is a ductwork system utilizing air handling units. Fresh air is supplied by 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 building does not have a fire sprinkler system. The building does have additional fire suppression systems, which

Campus Assessment Report - Western Harnett Middle

include dry chemical under floor protection. 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 annunciator's 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 security system has CCTV cameras and is centrally monitored; this building has a public address and paging system combined with the telephone system.

OTHER ELECTRICAL SYSTEMS:

This building does not have a separately derived emergency power system.

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 paved driveways and parking lots, pedestrian pavement, flag pole, landscaping, football/soccer field, baseball and softball fields, and fencing. Site mechanical and electrical features include water, sewer, propane, natural gas, above ground fuel tanks and site lighting.

Attributes:

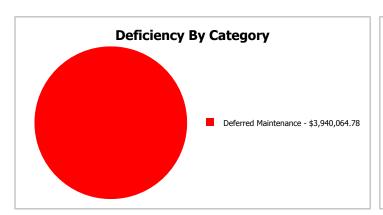
General Attributes:									
Condition Assessor:	Terence Davis	Assessment Date:							
Suitability Assessor:									
School Inofrmation:									
HS Attendance Area:	Harnett - Western Harnett HS	LEA School No.:	430-386						
No. of Mobile Units:	0	No. of Bldgs.:	2						
SF of Mobile Units:	0	Status:	Active						
School Grades:	6-8	Site Acreage:	100.4						

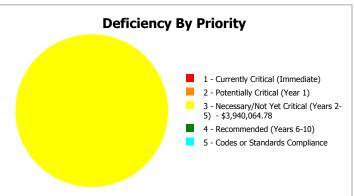
Campus Dashboard Summary

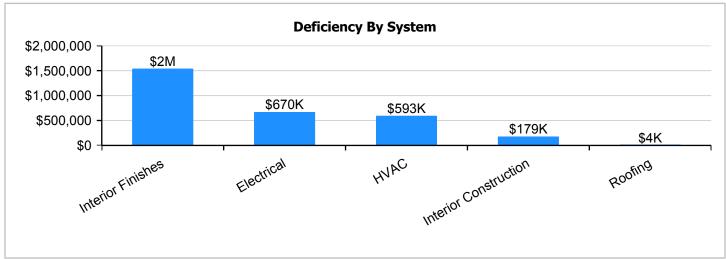
Gross Area: 143,190

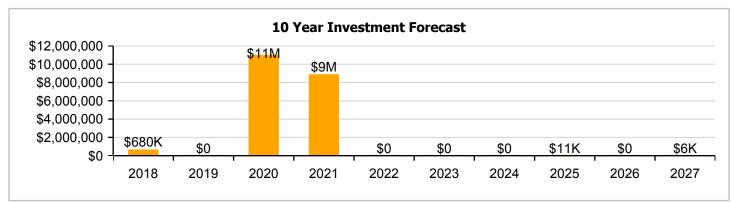
Year Built: 1990 Last Renovation:

Repair Cost: \$3,940,065 Replacement Value: \$34,865,034 FCI: RSLI%: 38.55 %









Campus 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.

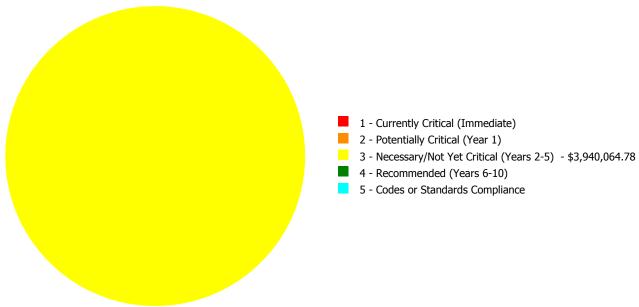
Current Investment Requirement and Condition by Uniformat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	73.00 %	0.00 %	\$0.00
A20 - Basement Construction	73.00 %	0.00 %	\$0.00
B10 - Superstructure	73.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	34.98 %	0.00 %	\$0.00
B30 - Roofing	87.18 %	0.51 %	\$5,248.00
C10 - Interior Construction	37.73 %	18.86 %	\$235,834.00
C20 - Stairs	72.18 %	0.00 %	\$0.00
C30 - Interior Finishes	10.20 %	57.92 %	\$2,031,258.78
D10 - Conveying	10.00 %	0.00 %	\$0.00
D20 - Plumbing	14.00 %	0.00 %	\$0.00
D30 - HVAC	62.11 %	15.27 %	\$782,969.00
D40 - Fire Protection	10.00 %	0.00 %	\$0.00
D50 - Electrical	22.29 %	21.97 %	\$884,755.00
E10 - Equipment	20.00 %	0.00 %	\$0.00
E20 - Furnishings	20.00 %	0.00 %	\$0.00
G20 - Site Improvements	29.69 %	0.00 %	\$0.00
G30 - Site Mechanical Utilities	44.56 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	32.69 %	0.00 %	\$0.00
Totals:	38.55 %	11.30 %	\$3,940,064.78

Condition Deficiency Priority

Facility Name	Gross Area (S.F.)	FCI %	1 - Currently Critical (Immediate)	2 - Potentially Critical (Year 1)	3 - Necessary/Not Yet Critical (Years 2-5)	4 - Recommended (Years 6-10)	5 - Codes or Standards Compliance
1990 Main Building	142,358	13.50	\$0.00	\$0.00	\$3,929,196.78	\$0.00	\$0.00
1990 Press Box	832	7.19	\$0.00	\$0.00	\$10,868.00	\$0.00	\$0.00
Site	143,190	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total:		11.30	\$0.00	\$0.00	\$3,940,064.78	\$0.00	\$0.00

Deficiencies By Priority



Executive Summary

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Function:	MS -Middle School
Gross Area (SF):	142,358
Year Built:	1990
Last Renovation:	
Replacement Value:	\$29,113,635
Repair Cost:	\$3,929,196.78
Total FCI:	13.50 %
Total RSLI:	39.45 %
FCA Score:	86.50



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.

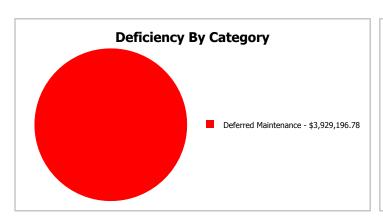
Dashboard Summary

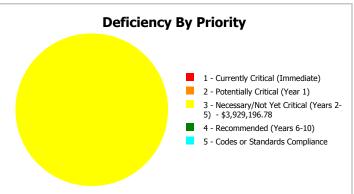
Function: MS -Middle School Gross Area: 142,358

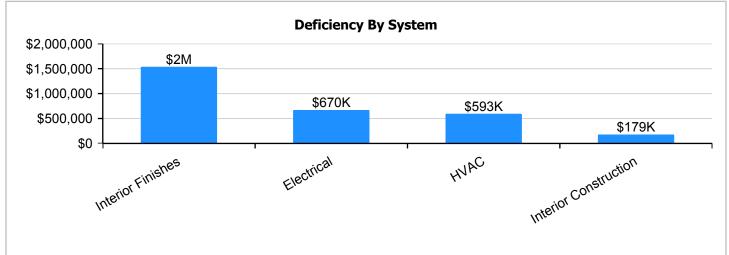
Year Built: 1990 Last Renovation:

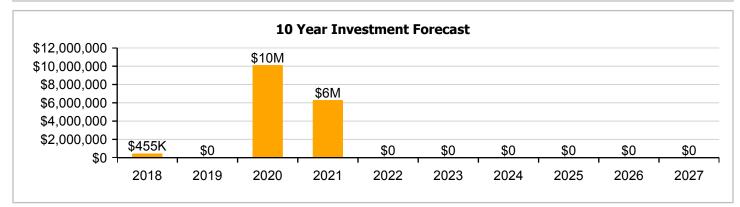
 Repair Cost:
 \$3,929,197
 Replacement Value:
 \$29,113,635

 FCI:
 13.50 %
 RSLI%:
 39.45 %









Condition Summary

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

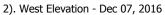
UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
A10 - Foundations	73.00 %	0.00 %	\$0.00
A20 - Basement Construction	73.00 %	0.00 %	\$0.00
B10 - Superstructure	73.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	34.85 %	0.00 %	\$0.00
B30 - Roofing	87.49 %	0.00 %	\$0.00
C10 - Interior Construction	37.75 %	18.79 %	\$234,891.00
C20 - Stairs	73.00 %	0.00 %	\$0.00
C30 - Interior Finishes	10.16 %	57.99 %	\$2,026,581.78
D10 - Conveying	10.00 %	0.00 %	\$0.00
D20 - Plumbing	14.03 %	0.00 %	\$0.00
D30 - HVAC	62.11 %	15.27 %	\$782,969.00
D40 - Fire Protection	10.00 %	0.00 %	\$0.00
D50 - Electrical	22.33 %	22.07 %	\$884,755.00
E10 - Equipment	20.00 %	0.00 %	\$0.00
E20 - Furnishings	20.00 %	0.00 %	\$0.00
Totals:	39.45 %	13.50 %	\$3,929,196.78

Photo Album

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

1). North Elevation - Dec 07, 2016







3). South Elevation - Dec 07, 2016



4). East Elevation - Dec 07, 2016



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.

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.

							Calc Next	Next						
System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Renewal Year	Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
A1010	Standard Foundations	\$2.22	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$316,035
A1030	Slab on Grade	\$4.16	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$592,209
A2010	Basement Excavation	\$0.84	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$119,581
A2020	Basement Walls	\$5.86	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$834,218
B1010	Floor Construction	\$11.66	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$1,659,894
B1020	Roof Construction	\$7.76	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$1,104,698
B2010	Exterior Walls	\$9.03	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$1,285,493
B2020	Exterior Windows	\$13.04	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$1,856,348
B2030	Exterior Doors	\$0.82	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$116,734
B3010120	Single Ply Membrane	\$6.98	S.F.	142,358	20	2015	2035		90.00 %	0.00 %	18			\$993,659
B3020	Roof Openings	\$0.21	S.F.	142,358	25	1990	2015	2018	4.00 %	0.00 %	1			\$29,895
C1010	Partitions	\$4.79	S.F.	142,358	75	1990	2065		64.00 %	0.00 %	48			\$681,895
C1020	Interior Doors	\$2.49	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$354,471
C1030	Fittings	\$1.50	S.F.	142,358	20	1990	2010		0.00 %	110.00 %	-7		\$234,891.00	\$213,537
C2010	Stair Construction	\$1.32	S.F.	142,358	100	1990	2090		73.00 %	0.00 %	73			\$187,913
C3010	Wall Finishes	\$2.61	S.F.	142,358	10	1990	2000	2018	10.00 %	0.00 %	1			\$371,554
C3020	Floor Finishes	\$11.17	S.F.	142,358	20	1990	2010	2021	20.00 %	21.39 %	4		\$340,066.78	\$1,590,139
C3030	Ceiling Finishes	\$10.77	S.F.	142,358	25	1990	2015		0.00 %	110.00 %	-2		\$1,686,515.00	\$1,533,196
D1010	Elevators and Lifts	\$0.99	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$140,934
D2010	Plumbing Fixtures	\$9.02	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$1,284,069
D2020	Domestic Water Distribution	\$1.68	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$239,161
D2030	Sanitary Waste	\$2.64	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$375,825
D2040	Rain Water Drainage	\$0.65	S.F.	142,358	30	2016	2046		96.67 %	0.00 %	29			\$92,533
D3020	Heat Generating Systems	\$8.66	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$1,232,820
D3030	Cooling Generating Systems	\$8.99	S.F.	142,358	25	2016	2041		96.00 %	0.00 %	24			\$1,279,798
D3040	Distribution Systems	\$10.65	S.F.	142,358	30	2016	2046		96.67 %	0.00 %	29			\$1,516,113
D3050	Terminal & Package Units	\$5.00	S.F.	142,358	15	1990	2005		0.00 %	110.00 %	-12		\$782,969.00	\$711,790
D3060	Controls & Instrumentation	\$2.71	S.F.	142,358	20	2016	2036		95.00 %	0.00 %	19			\$385,790
D4010	Sprinklers	\$3.71	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$528,148
D4020	Standpipes	\$0.57	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$81,144
D5010	Electrical Service/Distribution	\$1.62	S.F.	142,358	40	1990	2030		32.50 %	0.00 %	13			\$230,620
D5020	Branch Wiring	\$4.65	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$661,965
D5020	Lighting	\$10.85	S.F.	142,358	30	1990	2020		10.00 %	0.00 %	3			\$1,544,584
D5030810	Security & Detection Systems	\$2.01	S.F.	142,358	15	1990	2005		0.00 %	110.00 %	-12		\$314,754.00	\$286,140
D5030910	Fire & Alarm Systems	\$3.64		142,358	15	1990	2005		0.00 %	110.00 %	-12		\$570,001.00	\$518,183
D5030920	Data Communication	\$4.70	S.F.	142,358	15	2015	2030		86.67 %	0.00 %	13			\$669,083
D5090	Other Electrical Systems	\$0.69		142,358	20	1990	2010	2021	20.00 %	0.00 %	4			\$98,227
E1020	Institutional Equipment	\$13.31	S.F.	142,358	20	1990	2010	2021	20.00 %	0.00 %	4			\$1,894,785
E1090	Other Equipment	\$5.46	S.F.	142,358	20	1990	2010	2021	20.00 %	0.00 %	4			\$777,275
E2010	Fixed Furnishings	\$5.08		142,358	20	1990	2010	2021	20.00 %	0.00 %	4			\$723,179
	· · · · · · · · · · · · · · · · · · ·	1 - 1 - 1		,				Total	39.45 %				\$3,929,196.78	\$29,113,635

System Notes

The facility description in the executive summary contains an overview of each system. The photos of each system and any associated 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







System: B3010120 - Single Ply Membrane







Note:

System: B3020 - Roof Openings







Note:

System: C1010 - Partitions





System: C1020 - Interior Doors







Note:

System: C1030 - Fittings







Note:

System: C2010 - Stair Construction







Note:

System: C3010 - Wall Finishes





Note:

System: C3020 - Floor Finishes













Note:

System: C3030 - Ceiling Finishes



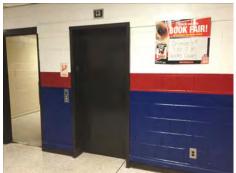




System: D1010 - Elevators and Lifts







Note:

System: D2010 - Plumbing Fixtures







Note:

System: D2020 - Domestic Water Distribution



System: D2030 - Sanitary Waste







Note:

System: D2040 - Rain Water Drainage







Note:

System: D3020 - Heat Generating Systems







Note:

System: D3030 - Cooling Generating Systems







Note: Cooling tower 2007

System: D3040 - Distribution Systems







Note: Air Handlers are 1990

System: D3050 - Terminal & Package Units







System: D3060 - Controls & Instrumentation







Note:

System: D5010 - Electrical Service/Distribution







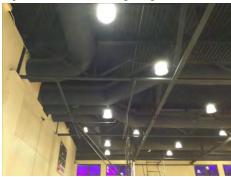
Note:

System: D5020 - Branch Wiring





System: D5020 - Lighting







Note:

System: D5030810 - Security & Detection Systems







Note:

System: D5030910 - Fire & Alarm Systems







System: D5030920 - Data Communication







Note: The PA system does not work

System: D5090 - Other Electrical Systems







Note:

System: E1020 - Institutional Equipment







System: E1090 - Other Equipment













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. 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Total:	\$3,929,197	\$454,843	\$0	\$10,116,276	\$6,293,806	\$0	\$0	\$0	\$0	\$0	\$0	\$20,794,122
* 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	\$2,231,330	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,231,330
B2030 - Exterior Doors	\$0	\$0	\$0	\$140,314	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$140,314
B30 - Roofing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B3010 - Roof Coverings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B3010120 - Single Ply Membrane	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B3020 - Roof Openings	\$0	\$33,872	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,872
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	\$426,075	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$426,075
C1030 - Fittings	\$234,891	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$234,891
C20 - Stairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

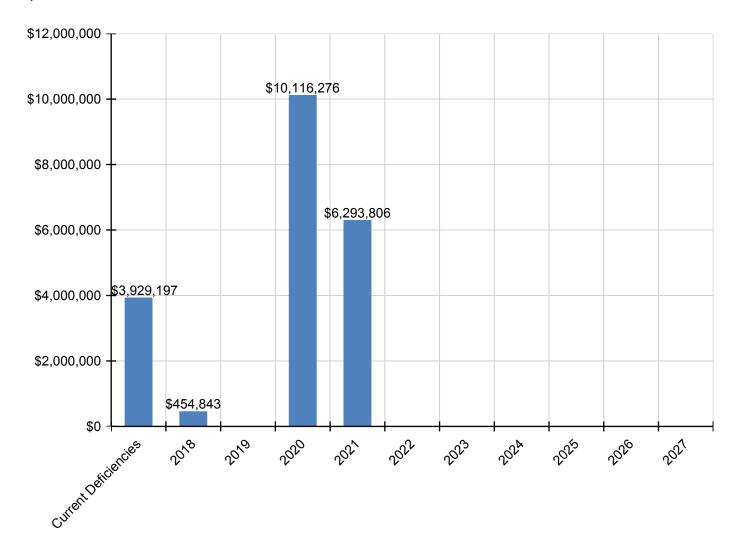
* C2010 - Stair Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C30 - Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010 - Wall Finishes	\$0	\$420,971	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$420,971
C3020 - Floor Finishes	\$340,067	\$0	\$0	\$0	\$1,968,687	\$0	\$0	\$0	\$0	\$0	\$0	\$2,308,754
C3030 - Ceiling Finishes	\$1,686,515	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,686,515
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	\$169,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$169,403
D20 - Plumbing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2010 - Plumbing Fixtures	\$0	\$0	\$0	\$1,543,451	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,543,451
D2020 - Domestic Water Distribution	\$0	\$0	\$0	\$287,472	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$287,472
D2030 - Sanitary Waste	\$0	\$0	\$0	\$451,742	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$451,742
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
D3020 - Heat Generating Systems	\$0	\$0	\$0	\$1,481,849	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,481,849
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	\$782,969	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$782,969
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	\$634,834	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$634,834
D4020 - Standpipes	\$0	\$0	\$0	\$97,535	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$97,535
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	\$795,681	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$795,681
D5020 - Lighting	\$0	\$0	\$0	\$1,856,590	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,856,590
D5030 - Communications and Security	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5030810 - Security & Detection Systems	\$314,754	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$314,754
D5030910 - Fire & Alarm Systems	\$570,001	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$570,001
D5030920 - Data Communication	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5090 - Other Electrical Systems	\$0	\$0	\$0	\$0	\$121,611	\$0	\$0	\$0	\$0	\$0	\$0	\$121,611
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	\$2,345,856	\$0	\$0	\$0	\$0	\$0	\$0	\$2,345,856
E1090 - Other Equipment	\$0	\$0	\$0	\$0	\$962,312	\$0	\$0	\$0	\$0	\$0	\$0	\$962,312
E20 - Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E2010 - Fixed Furnishings	\$0	\$0	\$0	\$0	\$895,339	\$0	\$0	\$0	\$0	\$0	\$0	\$895,339

^{*} Indicates non-renewable system

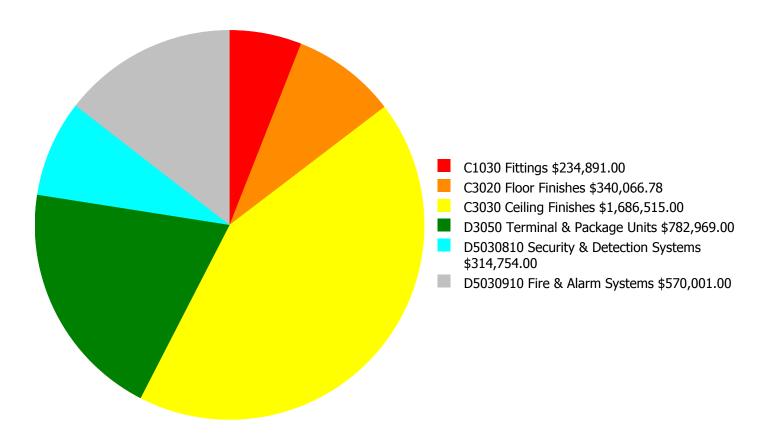
Forecasted Capital Renewal Requirement

The following chart shows the current building deficiencies and forecasting capital renewal or sustainment requirements over the next ten years.



Deficiency Summary by System

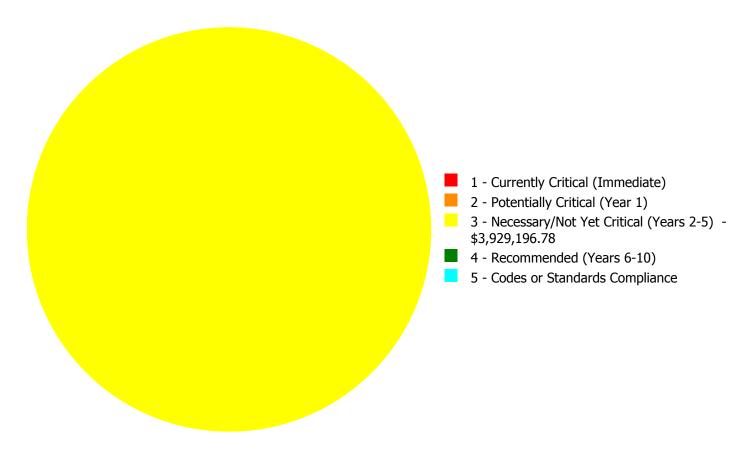
Current deficiencies included assemblies that have reached or exceeded their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Useful Life'. The following chart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



Budget Estimate Total: \$3,929,196.78

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: \$3,929,196.78

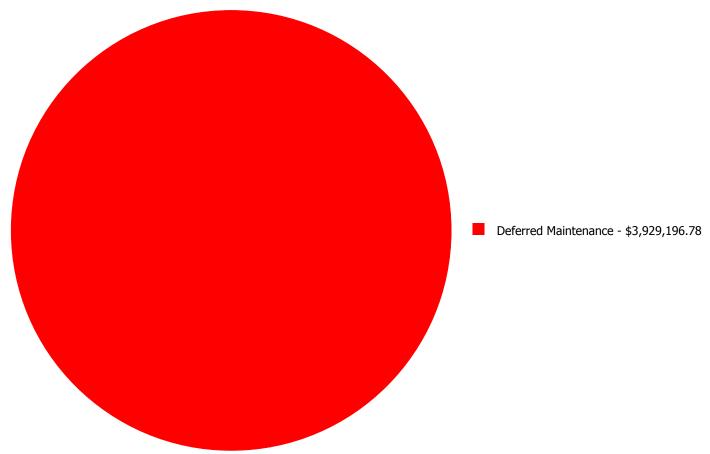
Deficiency By Priority Investment Table

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

System Code	System Description	1 - Currently Critical (Immediate)	2 - Potentially Critical (Year 1)	3 - Necessary/Not Yet Critical (Years 2-5)	4 - Recommended (Years 6-10)	5 - Codes or Standards Compliance	Total
C1030	Fittings	\$0.00	\$0.00	\$234,891.00	\$0.00	\$0.00	\$234,891.00
C3020	Floor Finishes	\$0.00	\$0.00	\$340,066.78	\$0.00	\$0.00	\$340,066.78
C3030	Ceiling Finishes	\$0.00	\$0.00	\$1,686,515.00	\$0.00	\$0.00	\$1,686,515.00
D3050	Terminal & Package Units	\$0.00	\$0.00	\$782,969.00	\$0.00	\$0.00	\$782,969.00
D5030810	Security & Detection Systems	\$0.00	\$0.00	\$314,754.00	\$0.00	\$0.00	\$314,754.00
D5030910	Fire & Alarm Systems	\$0.00	\$0.00	\$570,001.00	\$0.00	\$0.00	\$570,001.00
	Total:	\$0.00	\$0.00	\$3,929,196.78	\$0.00	\$0.00	\$3,929,196.78

Deficiency Summary by Category

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



Budget Estimate Total: \$3,929,196.78

Deficiency Details by Priority

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

Priority 3 - Necessary/Not Yet Critical (Years 2-5):

System: C1030 - Fittings



Location: Restroom

Distress: Beyond Service Life **Category:** Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System

Qty: 142,358.00

Unit of Measure: S.F.

Estimate: \$234,891.00

Assessor Name: Somnath Das **Date Created:** 12/07/2016

Notes: The fittings throughout the building are aged, in marginal condition, and should be replaced.

System: C3020 - Floor Finishes



Location: Cafeteria-Classrooms

Distress: Damaged

Category: Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Replace vinyl tile flooring

Qty: 3,163.00

Unit of Measure: S.Y.

Estimate: \$340,066.78 **Assessor Name:** Somnath Das **Date Created:** 12/07/2016

Notes: The VCT flooring is aged, cracked, worn, and should be replaced.

System: C3030 - Ceiling Finishes



Location: Throughout the building

Distress: Damaged

Category: Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System

Qty: 142,358.00

Unit of Measure: S.F.

Estimate: \$1,686,515.00

Assessor Name: Somnath Das **Date Created:** 12/07/2016

Notes: The ceiling tiles have been replaced as needed. However the grid shows signs of aging and the tiles are sagging or damaged and should be replaced.

System: D3050 - Terminal & Package Units



Location: Exterior

Distress: Beyond Service Life **Category:** Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System

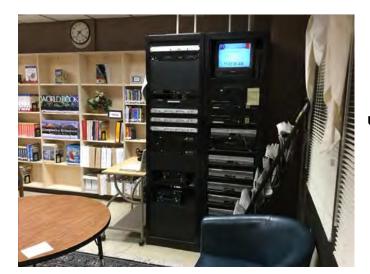
Qty: 142,358.00

Unit of Measure: S.F.

Assessor Name: \$782,969.00 **Assessor Name:** Somnath Das **Date Created:** 12/07/2016

Notes: The pad mounted DX condensing units are aged and should be scheduled for replacement.

System: D5030810 - Security & Detection Systems



Location: Throughout the building **Distress:** Beyond Service Life **Category:** Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System **Qty:** 142,358.00

Unit of Measure: S.F.

Estimate: \$314,754.00

Assessor Name: Somnath Das **Date Created:** 12/07/2016

Notes: The security system is aged, has poor coverage and camera resolution, and should be replaced.

System: D5030910 - Fire & Alarm Systems



Location: Throughout the building **Distress:** Beyond Service Life Category: Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System **Qty:** 142,358.00

Unit of Measure: S.F.

Estimate: \$570,001.00 Assessor Name: Somnath Das **Date Created:** 12/07/2016

Notes: The original fire alarm system operating as designed, but is beyond its service life and should be replaced.

Executive Summary

Building condition is evaluated based on the functional systems and elements of a building and organized according to the UNIFORMAT II Elemental Classification. 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 Replacement Value 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:	MS -Middle School
Gross Area (SF):	832
Year Built:	1990
Last Renovation:	
Replacement Value:	\$151,238
Repair Cost:	\$10,868.00
Total FCI:	7.19 %
Total RSLI:	45.04 %
FCA Score:	92.81



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.

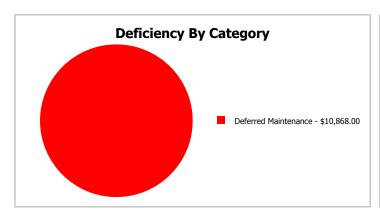
Dashboard Summary

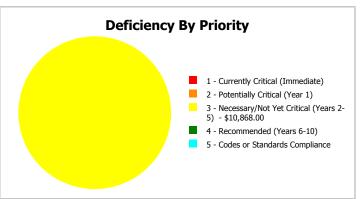
Function: MS -Middle School Gross Area: 832

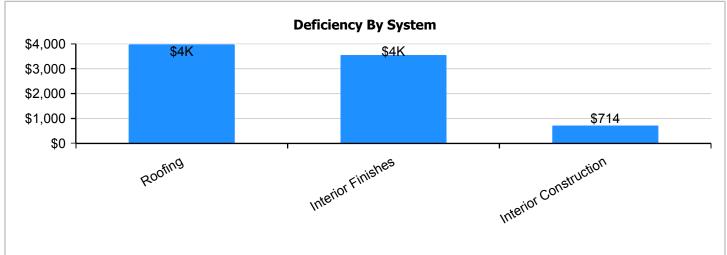
Year Built: 1990 Last Renovation:

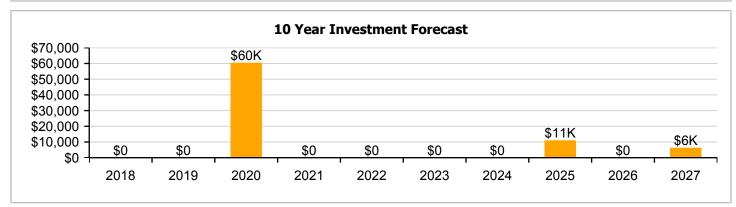
 Repair Cost:
 \$10,868
 Replacement Value:
 \$151,238

 FCI:
 7.19 %
 RSLI%:
 45.04 %









Condition Summary

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

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
A10 - Foundations	73.00 %	0.00 %	\$0.00
B10 - Superstructure	73.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	43.74 %	0.00 %	\$0.00
B30 - Roofing	0.00 %	146.02 %	\$5,248.00
C10 - Interior Construction	0.00 %	110.04 %	\$943.00
C20 - Stairs	10.00 %	0.00 %	\$0.00
C30 - Interior Finishes	20.82 %	38.42 %	\$4,677.00
D20 - Plumbing	10.00 %	0.00 %	\$0.00
D30 - HVAC	76.67 %	0.00 %	\$0.00
D50 - Electrical	13.32 %	0.00 %	\$0.00
Totals:	45.04 %	7.19 %	\$10,868.00

Photo Album

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

1). North Elevation - Dec 07, 2016



2). West Elevation - Dec 07, 2016



3). South Elevation - Dec 07, 2016



4). East Elevation - Dec 07, 2016



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.

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	\$20.13	S.F.	832	100	1990	2090		73.00 %	0.00 %	73			\$16,748
A1030	Slab on Grade	\$19.75	S.F.	832	100	1990	2090		73.00 %	0.00 %	73			\$16,432
B1010	Floor Construction	\$11.44	S.F.	832	100	1990	2090		73.00 %	0.00 %	73			\$9,518
B1020	Roof Construction	\$16.26	S.F.	832	100	1990	2090		73.00 %	0.00 %	73			\$13,528
B2010	Exterior Walls	\$29.79	S.F.	832	100	1990	2090		73.00 %	0.00 %	73			\$24,785
B2020	Exterior Windows	\$17.17	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$14,285
B2030	Exterior Doors	\$8.66	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$7,205
B3010140	Asphalt Shingles	\$4.32	S.F.	832	20	1990	2010		0.00 %	146.02 %	-7		\$5,248.00	\$3,594
C1030	Fittings	\$1.03	S.F.	832	20	1990	2010		0.00 %	110.04 %	-7		\$943.00	\$857
C2010	Stair Construction	\$2.94	S.F.	842	30	1990	2020		10.00 %	0.00 %	3			\$2,475
C3010	Wall Finishes	\$5.11	S.F.	832	10	2000	2010		0.00 %	110.00 %	-7		\$4,677.00	\$4,252
C3030	Ceiling Finishes	\$9.52	S.F.	832	25	2000	2025		32.00 %	0.00 %	8			\$7,921
D2010	Plumbing Fixtures	\$11.47	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$9,543
D2020	Domestic Water Distribution	\$1.68	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$1,398
D2030	Sanitary Waste	\$0.65	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$541
D3040	Distribution Systems	\$0.90	S.F.	842	30	2010	2040		76.67 %	0.00 %	23			\$758
D5010	Electrical Service/Distribution	\$3.09	S.F.	832	40	1990	2030		32.50 %	0.00 %	13			\$2,571
D5020	Branch Wiring	\$9.24	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$7,688
D5020	Lighting	\$8.58	S.F.	832	30	1990	2020		10.00 %	0.00 %	3			\$7,139
								Total	45.04 %	7.19 %			\$10,868.00	\$151,238

System Notes

The facility description in the executive summary contains an overview of each system. The photos of each system and any associated 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







Campus Assessment Report - 1990 Press Box

System: B3010140 - Asphalt Shingles







Note:

System: C1030 - Fittings



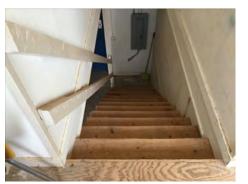




Note:

System: C2010 - Stair Construction





Campus Assessment Report - 1990 Press Box

System: C3010 - Wall Finishes

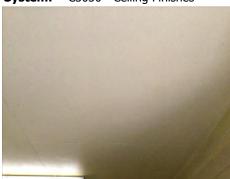






Note:

System: C3030 - Ceiling Finishes







Note:

System: D2010 - Plumbing Fixtures







Note:

System: D2020 - Domestic Water Distribution



Note:

System: D2030 - Sanitary Waste



Note:

System: D3040 - Distribution Systems





System: D5010 - Electrical Service/Distribution





Note:

System: D5020 - Branch Wiring







Note:

System: D5020 - Lighting







Note:

Renewal Schedule

eCOMET forecasts future Capital Renewal projects for expiring systems based on the Calculated Next Renewal year found in the system listing. 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Total:	\$10,868	\$0	\$0	\$60,429	\$0	\$0	\$0	\$0	\$11,037	\$0	\$6,285	\$88,620
* 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	\$17,171	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,171
B2030 - Exterior Doors	\$0	\$0	\$0	\$8,661	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,661
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
B3010140 - Asphalt Shingles	\$5,248	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,248
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
C1030 - Fittings	\$943	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$943
C20 - Stairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C2010 - Stair Construction	\$0	\$0	\$0	\$2,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,975
C30 - Interior Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3010 - Wall Finishes	\$4,677	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,285	\$10,962
C3030 - Ceiling Finishes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,037	\$0	\$0	\$11,037
D - Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D20 - Plumbing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

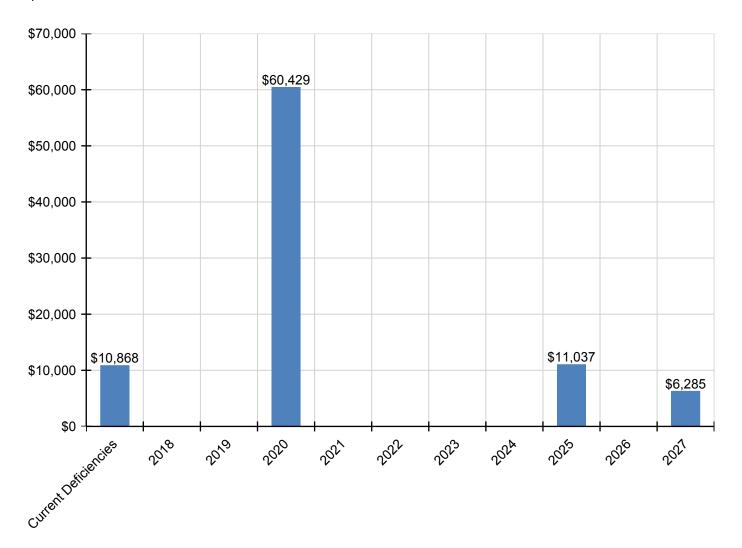
Campus Assessment Report - 1990 Press Box

D2010 - Plumbing Fixtures	\$0	\$0	\$0	\$11,470	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,470
D2020 - Domestic Water Distribution	\$0	\$0	\$0	\$1,681	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,681
D2030 - Sanitary Waste	\$0	\$0	\$0	\$650	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$650
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
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	\$9,240	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,240
D5020 - Lighting	\$0	\$0	\$0	\$8,580	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,580

^{*} Indicates non-renewable system

Forecasted Capital Renewal Requirement

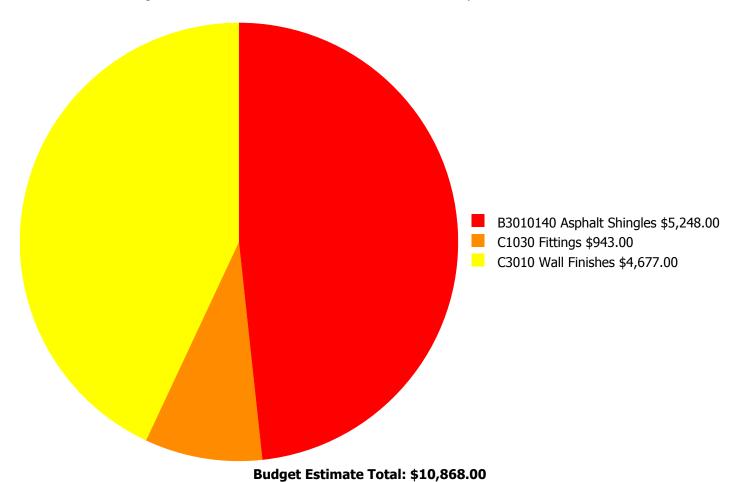
The following chart shows the current building deficiencies and forecasting capital renewal or sustainment requirements over the next ten years.



Deficiency Summary by System

eCOMET - Final

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.

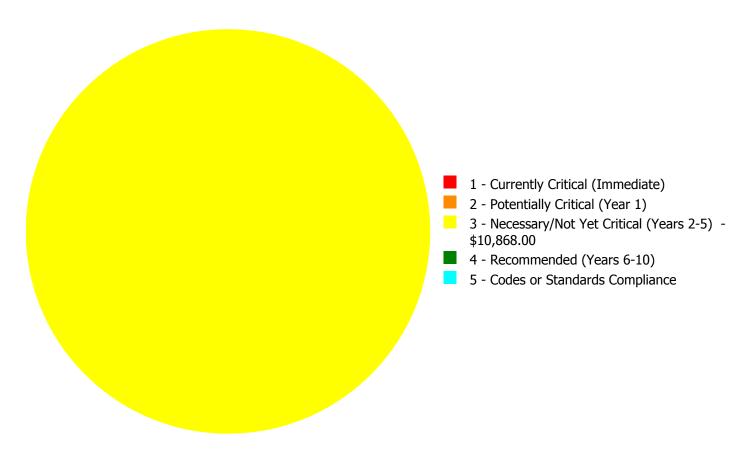


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Mar 11, 2017

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: \$10,868.00

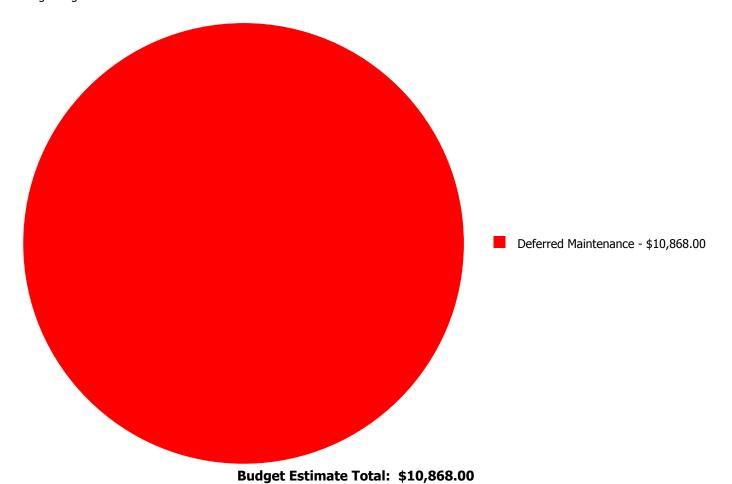
Deficiency By Priority Investment Table

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

System Code	System Description	1 - Currently Critical (Immediate)	2 - Potentially Critical (Year 1)	3 - Necessary/Not Yet Critical (Years 2-5)	4 - Recommended (Years 6-10)	5 - Codes or Standards Compliance	Total
B3010140	Asphalt Shingles	\$0.00	\$0.00	\$5,248.00	\$0.00	\$0.00	\$5,248.00
C1030	Fittings	\$0.00	\$0.00	\$943.00	\$0.00	\$0.00	\$943.00
C3010	Wall Finishes	\$0.00	\$0.00	\$4,677.00	\$0.00	\$0.00	\$4,677.00
	Total:	\$0.00	\$0.00	\$10,868.00	\$0.00	\$0.00	\$10,868.00

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/Not Yet Critical (Years 2-5):

System: B3010140 - Asphalt Shingles



Location: Roof

Distress: Beyond Service Life **Category:** Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System

Qty: 832.00

Unit of Measure: S.F.

Estimate: \$5,248.00

Assessor Name: Terence Davis **Date Created:** 12/07/2016

Notes: There are shingles missing. The roof should be replaced.

System: C1030 - Fittings



Location: Restroom **Distress:** Damaged

Category: Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System

Qty: 832.00

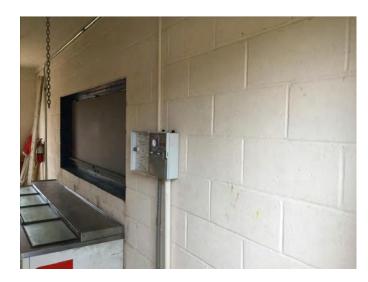
Unit of Measure: S.F.

Estimate: \$943.00

Assessor Name: Terence Davis **Date Created:** 12/07/2016

Notes: The fittings throughout the building are aged, in marginal condition, and should be replaced.

System: C3010 - Wall Finishes



Location: Throughout the building

Distress: Damaged

Category: Deferred Maintenance

Priority: 3 - Necessary/Not Yet Critical (Years 2-5)

Correction: Renew System

Qty: 832.00

Unit of Measure: S.F.

Estimate: \$4,677.00

Assessor Name: Terence Davis

Date Created: 12/07/2016

Notes: The wall finishes are aged, scuffed, fading, stained, and should be re-painted.

Executive Summary

Building condition is evaluated based on the functional systems and elements of a building and organized according to the UNIFORMAT II Elemental Classification. 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 Replacement Value 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:	MS -Middle School
Gross Area (SF):	143,190
Year Built:	1990
Last Renovation:	
Replacement Value:	\$5,600,161
Repair Cost:	\$0.00
Total FCI:	0.00 %
Total RSLI:	33.67 %
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: MS -Middle School Gross Area: 143,190

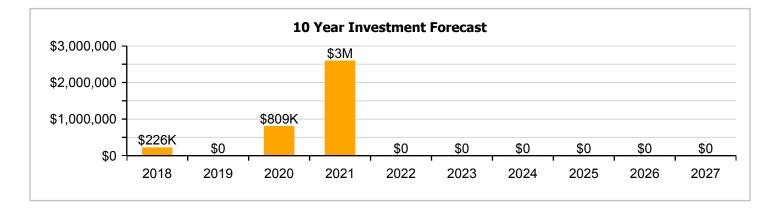
Year Built: 1990 Last Renovation:

 Repair Cost:
 \$0
 Replacement Value:
 \$5,600,161

 FCI:
 0.00 %
 RSLI%:
 33.67 %

No data found for this asset

No data found for this asset



Condition Summary

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

UNIFORMAT Classification	RSLI %	FCI %	Current Repair Cost
G20 - Site Improvements	29.69 %	0.00 %	\$0.00
G30 - Site Mechanical Utilities	44.56 %	0.00 %	\$0.00
G40 - Site Electrical Utilities	32.69 %	0.00 %	\$0.00
Totals:	33.67 %	0.00 %	\$0.00

Photo Album

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

1). Aerial Image of Western Harnett Middle School - Dec 12, 2016



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.

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	\$4.22	S.F.	143,190	25	2014	2039		88.00 %	0.00 %	22			\$604,262
G2020	Parking Lots	\$1.39	S.F.	143,190	25	1990	2015	2018	4.00 %	0.00 %	1			\$199,034
G2030	Pedestrian Paving	\$1.98	S.F.	143,190	30	1990	2020		10.00 %	0.00 %	3			\$283,516
G2040105	Fence & Guardrails	\$1.20	S.F.	143,190	30	1990	2020		10.00 %	0.00 %	3			\$171,828
G2040950	Baseball Field	\$7.08	S.F.	143,190	20	1990	2010	2021	20.00 %	0.00 %	4			\$1,013,785
G2040950	Playing Field	\$2.47	S.F.	143,190	20	1990	2010	2021	20.00 %	0.00 %	4			\$353,679
G2040950	Softball Field	\$5.11	S.F.	143,190	20	1990	2010	2021	20.00 %	0.00 %	4			\$731,701
G2050	Landscaping	\$1.91	S.F.	143,190	15	1990	2005	2021	26.67 %	0.00 %	4			\$273,493
G3010	Water Supply	\$2.42	S.F.	143,190	50	1990	2040		46.00 %	0.00 %	23			\$346,520
G3020	Sanitary Sewer	\$1.52	S.F.	143,190	50	1990	2040		46.00 %	0.00 %	23			\$217,649
G3030	Storm Sewer	\$4.67	S.F.	143,190	50	1990	2040		46.00 %	0.00 %	23			\$668,697
G3060	Fuel Distribution	\$1.03	S.F.	143,190	40	1990	2030		32.50 %	0.00 %	13			\$147,486
G4010	Electrical Distribution	\$2.59	S.F.	143,190	50	1990	2040		46.00 %	0.00 %	23			\$370,862
G4020	Site Lighting	\$1.52	S.F.	143,190	30	1990	2020		10.00 %	0.00 %	3			\$217,649
	Total													\$5,600,161

System Notes

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

System: G2010 - Roadways







Note: Only part was repaired.

System: G2020 - Parking Lots



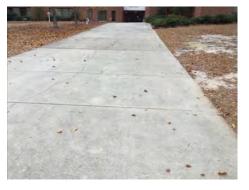




Note:

System: G2030 - Pedestrian Paving





Campus Assessment Report - Site

System: G2040105 - Fence & Guardrails







Note:

System: G2040950 - Baseball Field







Note:

System: G2040950 - Playing Field





Campus Assessment Report - Site

System: G2040950 - Softball Field







Note:

System: G2050 - Landscaping





Note:

System: G3020 - Sanitary Sewer







System: G3030 - Storm Sewer







Note:

System: G3060 - Fuel Distribution







Note:

System: G4010 - Electrical Distribution







Note:

Campus Assessment Report - Site

System: G4020 - Site Lighting







Renewal Schedule

eCOMET forecasts future Capital Renewal projects for expiring systems based on the Calculated Next Renewal year found in the system listing. 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.

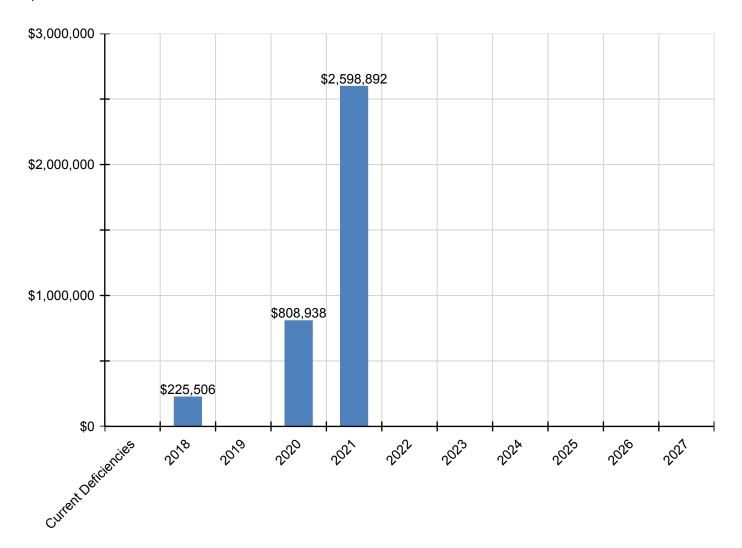
Inflation Rate: 3%

System	Current Deficiencies	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Total:	\$0	\$225,506	\$0	\$808,938	\$2,598,892	\$0	\$0	\$0	\$0	\$0	\$0	\$3,633,336
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	\$225,506	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,506
G2030 - Pedestrian Paving	\$0	\$0	\$0	\$340,787	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$340,787
G2040 - Site Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040105 - Fence & Guardrails	\$0	\$0	\$0	\$206,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$206,537
G2040950 - Baseball Field	\$0	\$0	\$0	\$0	\$1,255,127	\$0	\$0	\$0	\$0	\$0	\$0	\$1,255,127
G2040950 - Playing Field	\$0	\$0	\$0	\$0	\$437,876	\$0	\$0	\$0	\$0	\$0	\$0	\$437,876
G2040950 - Softball Field	\$0	\$0	\$0	\$0	\$905,889	\$0	\$0	\$0	\$0	\$0	\$0	\$905,889
* 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
G3060 - Fuel Distribution	\$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	\$261,614	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$261,614

^{*} Indicates non-renewable system

Forecasted Capital Renewal Requirement

The following chart shows the current building deficiencies and forecasting capital renewal or sustainment requirements over the next ten years.



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.

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:

Deficiency By Priority Investment Table

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

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.