DeKalb County School District/Elementary Schools

E.L. Bouie Elementary

Final

School Assessment Report

May 19, 2016

PARSONS

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School 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):	91,767
Year Built:	1996
Last Renovation:	
Replacement Value:	$21,733,910
Repair Cost:	$7,559,341.80
Total FCI:	34.78 %
Total RSLI:	32.00 %
FCA Score:	65.22

Description:

The E.L. Bouie Elementary School campus consists of two buildings located at 5100 Rock Springs Road in Lithonia, Georgia. The original campus was constructed in 1996, a gymnasium building was constructed in 2003, and an addition to the gymnasium was constructed in 2009. In addition to the buildings, the campus contains a storage building, covered walkway, hard surface play area, and playing field. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report for each building and site improvement on the campus.

Attributes:

General Attributes:

Assigned Region:	Region 4	Board District:	District 5
DOE Facility:	297	Geographic Region:	Region 4
HS Attendance Area:	Martin Luther King Jr. HS	Jurisdictional City:	DeKalb County (Unincorporated)
Site Acreage:	35.9		

School Condition Summary

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

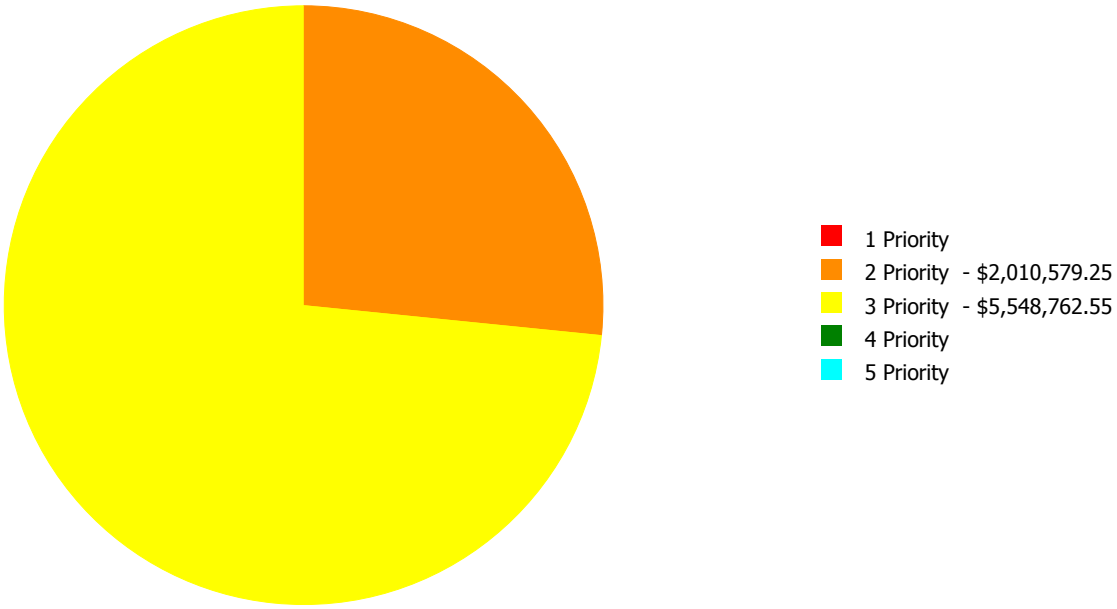
Current Investment Requirement and Condition by Uniformat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	81.52 %	0.00 %	$0.00
A20 - Basement Construction	81.01 %	0.00 %	$0.00
B10 - Superstructure	82.53 %	0.00 %	$0.00
B20 - Exterior Enclosure	67.78 %	0.00 %	$0.00
B30 - Roofing	8.32 %	97.64 %	$1,857,242.73
C10 - Interior Construction	57.16 %	4.06 %	$47,410.18
C20 - Stairs	0.00 %	0.00 %	$0.00
C30 - Interior Finishes	24.61 %	9.75 %	$256,527.00
D10 - Conveying	0.00 %	0.00 %	$0.00
D20 - Plumbing	12.23 %	76.07 %	$1,723,361.13
D30 - HVAC	18.71 %	77.43 %	$2,678,012.00
D40 - Fire Protection	36.67 %	0.00 %	$0.00
D50 - Electrical	26.00 %	33.37 %	$753,216.00
E10 - Equipment	8.11 %	0.00 %	$0.00
E20 - Furnishings	5.00 %	0.00 %	$0.00
F10 - Special Construction	0.00 %	0.00 %	$0.00
G20 - Site Improvements	13.74 %	15.40 %	$243,572.76
G30 - Site Mechanical Utilities	62.00 %	0.00 %	$0.00
G40 - Site Electrical Utilities	36.67 %	0.00 %	$0.00
Totals:	**32.00 %**	**34.78 %**	**$7,559,341.80**

Condition Deficiency Priority

Facility Name	Gross Area (S.F.)	FCI %	1 Priority	2 Priority	3 Priority	4 Priority	5 Priority
1996 Building	85,569	39.31	$0.00	$1,909,055.18	$5,235,293.23	$0.00	$0.00
1996 Storage	165	0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2003, 2009 Gym	6,033	17.98	$0.00	$4,319.68	$167,100.95	$0.00	$0.00
Site	91,767	9.40	$0.00	$97,204.39	$146,368.37	$0.00	$0.00
Total:		**34.78**	**$0.00**	**$2,010,579.25**	**$5,548,762.55**	**$0.00**	**$0.00**

Deficiencies By Priority



Budget Estimate Total: $7,559,341.80

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:	Elementary School
Gross Area (SF):	85,569
Year Built:	1996
Last Renovation:	
Replacement Value:	$18,174,413
Repair Cost:	$7,144,348.41
Total FCI:	39.31 %
Total RSLI:	30.67 %
FCA Score:	60.69

Description:

The main building at Edward L. Bouie Sr. Elementary School is a one-story building located at 5100 Rock Springs Road in Lithonia, Georgia. Originally built in 1996, there have been no additions and no major renovation. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report.

Attributes:

General Attributes:

Building Codes:	2010	Fire Sprinkler System:	Yes

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	81.00 %	0.00 %	$0.00
A20 - Basement Construction	0.00 %	0.00 %	$0.00
B10 - Superstructure	81.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	66.60 %	0.00 %	$0.00
B30 - Roofing	5.35 %	101.39 %	$1,852,923.05
C10 - Interior Construction	54.91 %	4.55 %	$47,410.18
C20 - Stairs	0.00 %	0.00 %	$0.00
C30 - Interior Finishes	24.59 %	9.63 %	$247,170.00
D10 - Conveying	0.00 %	0.00 %	$0.00
D20 - Plumbing	12.19 %	73.47 %	$1,662,905.18
D30 - HVAC	17.55 %	79.69 %	$2,600,699.00
D40 - Fire Protection	36.67 %	0.00 %	$0.00
D50 - Electrical	25.37 %	33.90 %	$733,241.00
E10 - Equipment	5.00 %	0.00 %	$0.00
E20 - Furnishings	5.00 %	0.00 %	$0.00
F10 - Special Construction	0.00 %	0.00 %	$0.00
Totals:	**30.67 %**	**39.31 %**	**$7,144,348.41**

Photo Album

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

1). East Elevation - Jun 02, 2015

2). South Elevation - Jun 02, 2015

3). East Elevation - Jun 02, 2015

4). North Elevation - Jun 02, 2015

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	$6.49	S.F.	85,569	100	1996	2096		81.00 %	0.00 %	81			$555,343
A1020	Special Foundations	$4.46	S.F.	0	100	1996	2096		81.00 %	0.00 %	81			$0
A1030	Slab on Grade	$7.09	S.F.	85,569	100	1996	2096		81.00 %	0.00 %	81			$606,684
A2010	Basement Excavation	$0.26	S.F.	0	100	1996	2096		81.00 %	0.00 %	81			$0
A2020	Basement Walls	$6.13	S.F.	0	100	1996	2096		81.00 %	0.00 %	81			$0
B1010	Floor Construction	$15.61	S.F.	0	100	1996	2096		81.00 %	0.00 %	81			$0
B1020	Roof Construction	$5.34	S.F.	85,569	100	1996	2096		81.00 %	0.00 %	81			$456,938
B2010	Exterior Walls	$16.02	S.F.	85,569	100	1996	2096		81.00 %	0.00 %	81			$1,370,815
B2020	Exterior Windows	$6.79	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$581,014
B2030	Exterior Doors	$0.92	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$78,723
B3010	Roof Coverings - Asphal Shingles	$4.32	S.F.	0	10	1996	2006		0.00 %	0.00 %	-9			$0
B3010	Roof Coverings - BUR	$20.70	S.F.	81,291	25	1996	2021	2015	0.00 %	110.00 %	0		$1,850,996.00	$1,682,724
B3010	Roof Coverings - EPDM	$3.33	S.F.	0	15	1996	2011		0.00 %	0.00 %	-4			$0
B3010	Roof Coverings - Preformed Metal	$5.01	S.F.	0	30	1996	2026		36.67 %	0.00 %	11			$0
B3010	Roof Coverings - Standing Seam Metal	$27.45	S.F.	4,278	75	1996	2071		74.67 %	0.00 %	56			$117,431
B3020	Roof Openings	$0.32	S.F.	85,569	30	1996	2026		36.67 %	7.04 %	11		$1,927.05	$27,382
C1010	Partitions	$7.01	S.F.	85,569	100	1996	2096		81.00 %	0.00 %	81			$599,839
C1020	Interior Doors	$2.39	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$204,510
C1030	Fittings	$2.79	S.F.	85,569	20	1996	2016		5.00 %	19.86 %	1		$47,410.18	$238,738
C2010	Stair Construction	$0.00	S.F.	85,569	100	1996	2096		81.00 %	0.00 %	81			$0
C3010	Wall Finishes - Ceramic & Glazed	$10.27	S.F.	17,114	30	1996	2026		36.67 %	0.00 %	11			$175,761
C3010	Wall Finishes - Paint	$1.93	S.F.	59,898	10	1996	2006		0.00 %	110.00 %	-9		$127,163.00	$115,603
C3010	Wall Finishes - Wall Coverings	$2.13	S.F.	8,557	20	1996	2016		5.00 %	0.00 %	1			$18,226
C3020	Floor Finishes - Carpet	$8.50	S.F.	12,835	8	1996	2004		0.00 %	110.00 %	-11		$120,007.00	$109,098
C3020	Floor Finishes - Ceramic & Quarry Tile	$14.49	S.F.	8,557	50	1996	2046		62.00 %	0.00 %	31			$123,991
C3020	Floor Finishes - Terrazzo	$53.01	S.F.	12,835	50	1996	2046		62.00 %	0.00 %	31			$680,383
C3020	Floor Finishes - VCT	$9.54	S.F.	51,342	20	1996	2016		5.00 %	0.00 %	1			$489,803
C3020	Floor Finishes - Wood	$14.70	S.F.	0	20	1996	2016		5.00 %	0.00 %	1			$0
C3030	Ceiling Finishes	$9.98	S.F.	85,569	20	1996	2016		5.00 %	0.00 %	1			$853,979
D1010	Elevators and Lifts	$0.00	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$0
D2010	Plumbing Fixtures	$17.66	S.F.	85,569	20	1996	2016	2015	0.00 %	110.00 %	0		$1,662,263.00	$1,511,149
D2020	Domestic Water Distribution	$3.99	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$341,420
D2030	Sanitary Waste	$3.41	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$291,790
D2040	Rain Water Drainage	$0.98	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$83,858

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 $
D2090	Other Plumbing Systems - Natural Gas	$0.41	S.F.	85,569	30	1996	2026		36.67 %	1.83 %	11		$642.18	$35,083
D3020	Heat Generating Systems	$4.55	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$389,339
D3030	Cooling Generating Systems	$4.73	S.F.	85,569	30	2014	2044		96.67 %	0.00 %	29			$404,741
D3040	Distribution & Exhaust Systems	$5.51	S.F.	85,569	30	1996	2026	2015	0.00 %	110.00 %	0		$518,634.00	$471,485
D3050	Terminal & Package Units	$18.52	S.F.	85,569	15	1996	2011		0.00 %	110.00 %	-4		$1,743,212.00	$1,584,738
D3060	Controls & Instrumentation	$3.60	S.F.	85,569	20	1996	2016	2015	0.00 %	110.00 %	0		$338,853.00	$308,048
D3090	Other HVAC Systems/Equip - Kitchen Hood	$1.23	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$105,250
D4010	Sprinklers	$4.75	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$406,453
D4020	Standpipes	$0.51	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$43,640
D5010	Electrical Service/Distribution	$1.81	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$154,880
D5020	Branch Wiring	$6.78	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$580,158
D5020	Lighting	$8.90	S.F.	85,569	30	1996	2026		36.67 %	0.00 %	11			$761,564
D5030	Communications and Security - Clock & PA Systems	$5.60	S.F.	85,569	10	1996	2006		0.00 %	110.00 %	-9		$527,105.00	$479,186
D5030	Communications and Security - Fire Alarm	$1.23	S.F.	85,569	10	1996	2006		0.00 %	110.00 %	-9		$115,775.00	$105,250
D5030	Communications and Security - Security & CCTV	$0.61	S.F.	85,569	10	1996	2006		0.00 %	110.00 %	-9		$57,417.00	$52,197
D5090	Other Electrical Systems - Emergency Generator	$0.35	S.F.	85,569	20	1996	2016	2015	0.00 %	110.00 %	0		$32,944.00	$29,949
E1010	Commercial Equipment	$7.92	S.F.	0	20	1996	2016		5.00 %	0.00 %	1			$0
E1020	Institutional Equipment	$0.40	S.F.	85,569	20	1996	2016		5.00 %	0.00 %	1			$34,228
E1090	Other Equipment	$5.30	S.F.	85,569	20	1996	2016		5.00 %	0.00 %	1			$453,516
E2010	Fixed Furnishings	$5.37	S.F.	85,569	20	1996	2016		5.00 %	0.00 %	1			$459,506
F1010	Special Structures - Canopies	$0.00	S.F.	0	25	1996	2021		24.00 %	0.00 %	6			$0
								Total	**30.67 %**	**39.31 %**			**$7,144,348.41**	**$18,174,413**

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	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Total:	**$7,144,348**	**$2,886,876**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$152,021**	**$0**	**$1,112,037**	**$11,295,282**
*** A - Substructure**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A10 - Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A1010 - Standard Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A1020 - Special Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A1030 - Slab on Grade**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A20 - Basement Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A2010 - Basement Excavation**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A2020 - Basement Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B - Shell	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B10 - Superstructure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B1010 - Floor Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B1020 - Roof Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B20 - Exterior Enclosure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B2010 - Exterior Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2020 - Exterior Windows	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2030 - Exterior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B30 - Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Asphal Shingles	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - BUR	$1,850,996	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,850,996**
B3010 - Roof Coverings - EPDM	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Preformed Metal	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Standing Seam Metal	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3020 - Roof Openings	$1,927	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,927**
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**

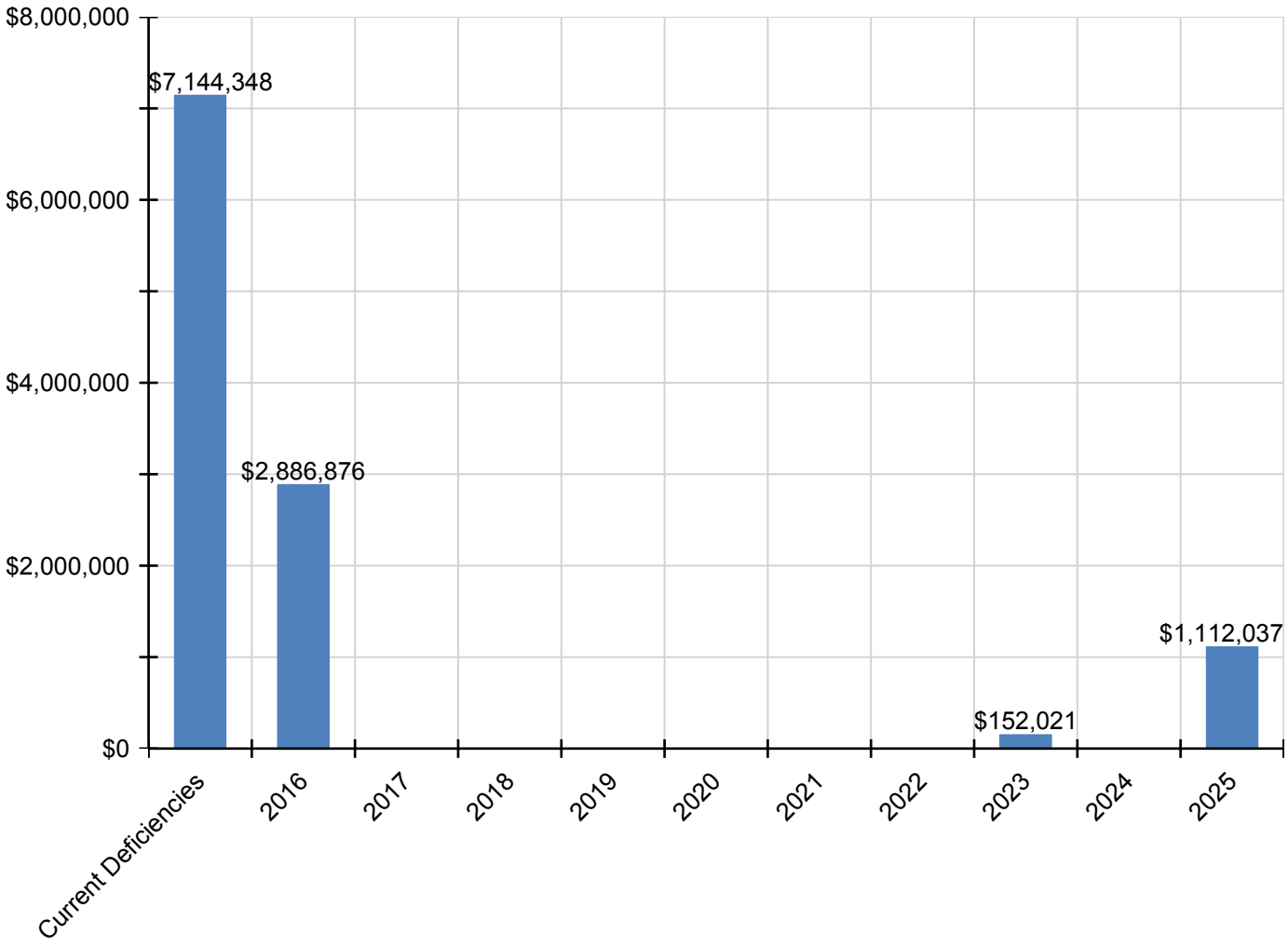
C1010 - Partitions	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1020 - Interior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C1030 - Fittings	$47,410	$270,489	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$317,900**
C20 - Stairs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** C2010 - Stair Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C30 - Interior Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes - Ceramic & Glazed	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes - Paint	$127,163	$0	$0	$0	$0	$0	$0	$0	$0	$0	$170,896	**$298,059**
C3010 - Wall Finishes - Wall Coverings	$0	$20,650	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$20,650**
C3020 - Floor Finishes - Carpet	$120,007	$0	$0	$0	$0	$0	$0	$0	$152,021	$0	$0	**$272,028**
C3020 - Floor Finishes - Ceramic & Quarry Tile	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020 - Floor Finishes - Terrazzo	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020 - Floor Finishes - VCT	$0	$554,946	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$554,946**
C3020 - Floor Finishes - Wood	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3030 - Ceiling Finishes	$0	$967,557	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$967,557**
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	$1,662,263	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,662,263**
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**
D2090 - Other Plumbing Systems - Natural Gas	$642	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$642**
D30 - HVAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3020 - Heat Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3030 - Cooling Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3040 - Distribution & Exhaust Systems	$518,634	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$518,634**
D3050 - Terminal & Package Units	$1,743,212	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,743,212**
D3060 - Controls & Instrumentation	$338,853	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$338,853**
D3090 - Other HVAC Systems/Equip - Kitchen Hood	$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**
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**
D5020 - Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D5030 - Communications and Security - Clock & PA Systems	$527,105	$0	$0	$0	$0	$0	$0	$0	$0	$0	$708,385	**$1,235,490**
D5030 - Communications and Security - Fire Alarm	$115,775	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155,592	**$271,367**
D5030 - Communications and Security - Security & CCTV	$57,417	$0	$0	$0	$0	$0	$0	$0	$0	$0	$77,164	**$134,581**
D5090 - Other Electrical Systems - Emergency Generator	$32,944	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$32,944**
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**
E1010 - Commercial Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1020 - Institutional Equipment	$0	$38,780	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$38,780**
E1090 - Other Equipment	$0	$513,833	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$513,833**
E20 - Furnishings	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E2010 - Fixed Furnishings	$0	$520,620	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$520,620**
F - Special Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
F10 - Special Construction	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
F1010 - Special Structures - Canopies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

** Indicates non-renewable system*

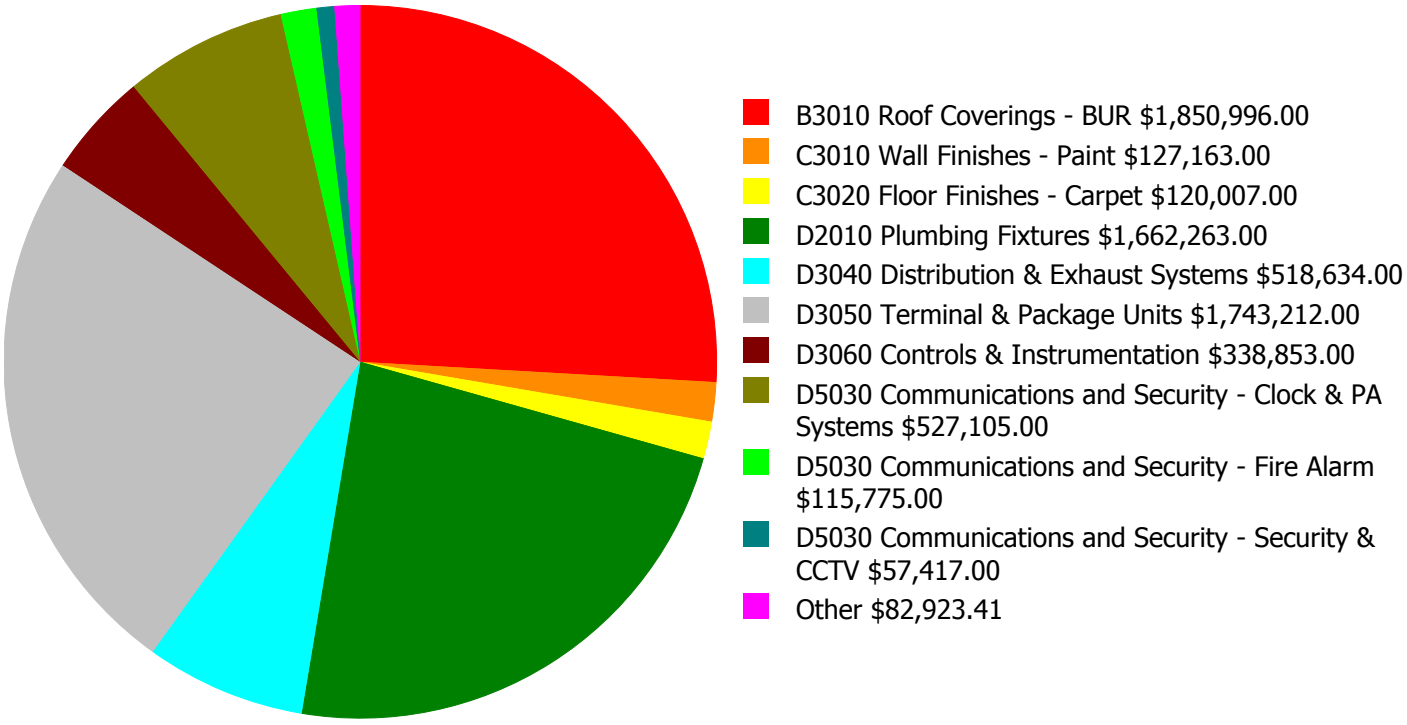
Forecasted Capital Renewal Requirement

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



Deficiency Summary by System

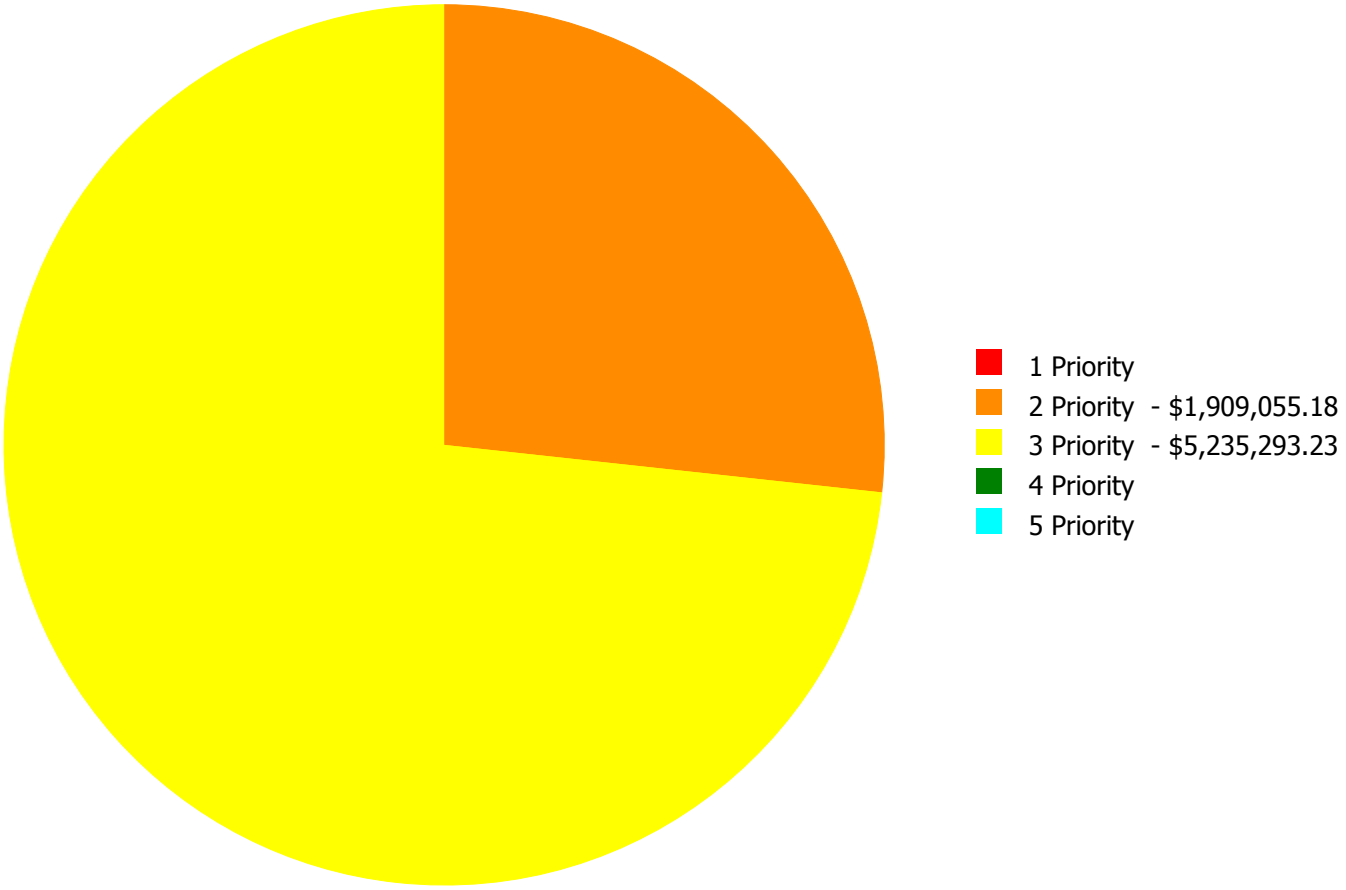
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart lists all current deficiencies associated with this facility broken down by UNIFORMAT system.



Budget Estimate Total: $7,144,348.41

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: $7,144,348.41

Deficiency By Priority Investment Table

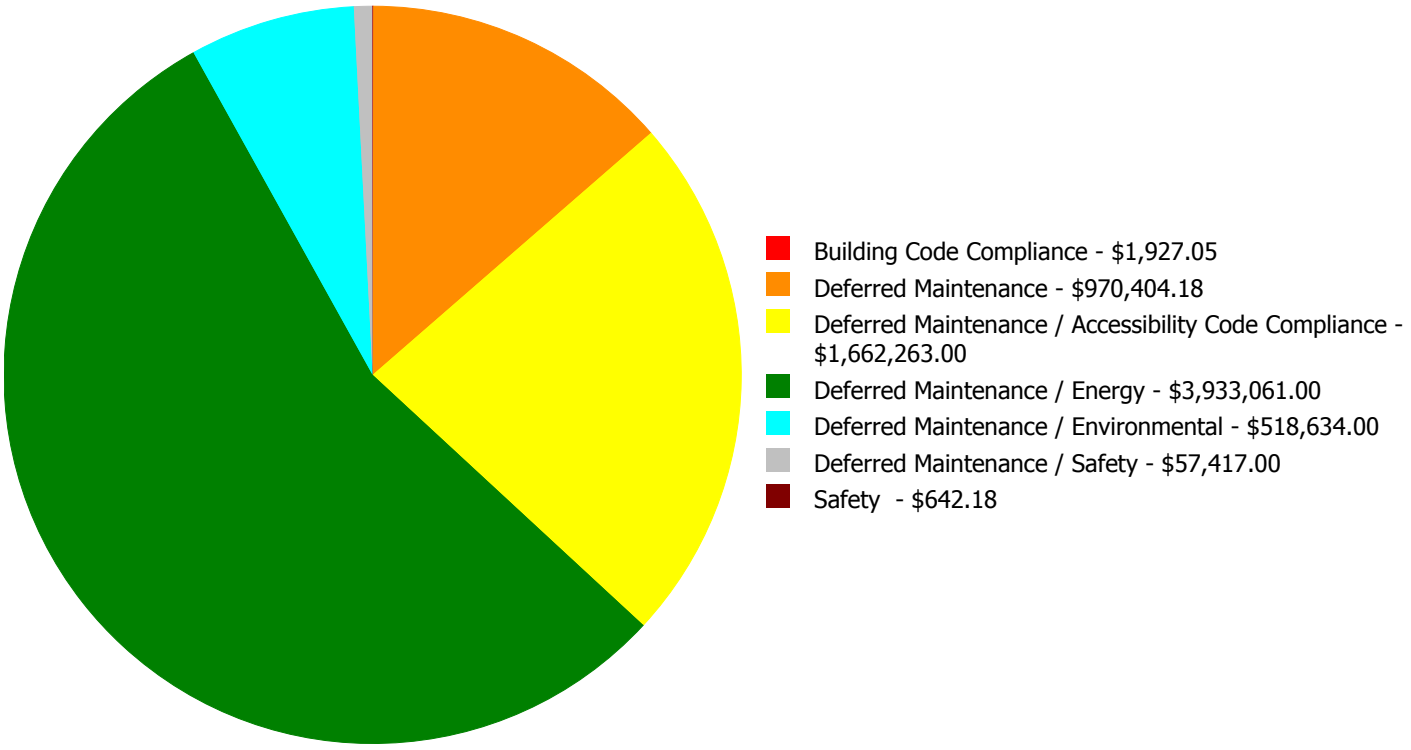
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **Priority 1** deficiencies require immediate review to correct a potential life/safety hazard, stop accelerated deterioration, or return a facility to operation.
- **Priority 2** deficiencies could become a Priority 1 deficiency, if not corrected within the next 2-3 years. These include intermittent operations, rapid deterioration, or potential life/safety hazards..
- **Priority 3** deficiencies require appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further and not completed within the next 3-5 years.
- **Priority 4** deficiencies represent a sensible improvement to existing conditions. The recommended improvements are not required for the basic functionality of the facility; however addressing these deficiencies will improve overall usability and/or reduce long term maintenance costs. Repairs for these deficiencies may be budgeted and scheduled for completion within the next 5-7 years.
- **Priority 5** deficiencies will include conditions that have no impact on the function or usability of the facility, such as appearance. No action is required for these deficiencies, but they are tracked since they may require future inspection or be completed as part of related repairs in contiguous areas of the facility.

System Code	System Description	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Total
B3010	Roof Coverings - BUR	$0.00	$1,850,996.00	$0.00	$0.00	$0.00	$1,850,996.00
B3020	Roof Openings	$0.00	$0.00	$1,927.05	$0.00	$0.00	$1,927.05
C1030	Fittings	$0.00	$0.00	$47,410.18	$0.00	$0.00	$47,410.18
C3010	Wall Finishes - Paint	$0.00	$0.00	$127,163.00	$0.00	$0.00	$127,163.00
C3020	Floor Finishes - Carpet	$0.00	$0.00	$120,007.00	$0.00	$0.00	$120,007.00
D2010	Plumbing Fixtures	$0.00	$0.00	$1,662,263.00	$0.00	$0.00	$1,662,263.00
D2090	Other Plumbing Systems - Natural Gas	$0.00	$642.18	$0.00	$0.00	$0.00	$642.18
D3040	Distribution & Exhaust Systems	$0.00	$0.00	$518,634.00	$0.00	$0.00	$518,634.00
D3050	Terminal & Package Units	$0.00	$0.00	$1,743,212.00	$0.00	$0.00	$1,743,212.00
D3060	Controls & Instrumentation	$0.00	$0.00	$338,853.00	$0.00	$0.00	$338,853.00
D5030	Communications and Security - Clock & PA Systems	$0.00	$0.00	$527,105.00	$0.00	$0.00	$527,105.00
D5030	Communications and Security - Fire Alarm	$0.00	$0.00	$115,775.00	$0.00	$0.00	$115,775.00
D5030	Communications and Security - Security & CCTV	$0.00	$57,417.00	$0.00	$0.00	$0.00	$57,417.00
D5090	Other Electrical Systems - Emergency Generator	$0.00	$0.00	$32,944.00	$0.00	$0.00	$32,944.00
	Total:	$0.00	$1,909,055.18	$5,235,293.23	$0.00	$0.00	$7,144,348.41

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: $7,144,348.41

Deficiency Details by Priority

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

Priority 2 Priority:

System: B3010 - Roof Coverings - BUR

Location: Roof
Distress: Beyond Service Life
Category: Deferred Maintenance / Energy
Priority: 2 Priority
Correction: Renew System
Qty: 81,291.00
Unit of Measure: S.F.
Estimate: $1,850,996.00
Assessor Name: Sam Mandola
Date Created: 04/11/2015

Notes: The roof is beyond its expected service life, inadequately sloped to drain water to scuppers in several locations, holding water, leaking, and should be replaced. Roof replacement is part of SPLOST project 302-422.

System: D2090 - Other Plumbing Systems - Natural Gas

Location: Throughout Building
Distress: Missing
Category: Safety
Priority: 2 Priority
Correction: General maintenance pipe & fittings, industrial gas
Qty: 1.00
Unit of Measure: M.L.F.
Estimate: $642.18
Assessor Name: Sam Mandola
Date Created: 06/02/2015

Notes: SPLOST project 302-422 to install an emergency gas shutoff by the science lab.

System: D5030 - Communications and Security - Security & CCTV

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance / Safety

Priority: 2 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $57,417.00

Assessor Name: Sam Mandola

Date Created: 04/11/2015

Notes: The security and CCTV systems are beyond their expected service life and should be scheduled for replacement.

Priority 3 Priority:

System: B3020 - Roof Openings

Location: Roof

Distress: Inadequate

Category: Building Code Compliance

Priority: 3 Priority

Correction: Replace roof hatch and structure single unit

Qty: 1.00

Unit of Measure: Ea.

Estimate: $1,927.05

Assessor Name: Sam Mandola

Date Created: 10/26/2015

Notes: The existing roof opening does not meet OSHA guidelines for access and egress. SPLOST project 302-422 to install a roof hatch and ladder as appropriate.

System: C1030 - Fittings

Location: Restrooms

Distress: Damaged

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Replace toilet partitions, laminate clad-overhead braced, per stall

Qty: 1.00

Unit of Measure: Ea.

Estimate: $47,410.18

Assessor Name: Ben Nixon

Date Created: 06/02/2015

Notes: The restroom toilet partition doors are damaged, missing, and should be replaced.

System: C3010 - Wall Finishes - Paint

Location: Throughout Building
Distress: Beyond Service Life
Category: Deferred Maintenance
Priority: 3 Priority
Correction: Renew System
Qty: 59,898.00
Unit of Measure: S.F.
Estimate: $127,163.00
Assessor Name: Ben Nixon
Date Created: 04/11/2015

Notes: The painted wall finishes are beyond their expected service life and should be replaced.

System: C3020 - Floor Finishes - Carpet

Location: Throughout Building
Distress: Beyond Service Life
Category: Deferred Maintenance
Priority: 3 Priority
Correction: Renew System
Qty: 12,835.00
Unit of Measure: S.F.
Estimate: $120,007.00
Assessor Name: Ben Nixon
Date Created: 04/11/2015

Notes: The carpet is beyond its expected service life and should be replaced.

System: D2010 - Plumbing Fixtures

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance / Accessibility Code Compliance

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $1,662,263.00

Assessor Name: Ben Nixon

Date Created: 06/03/2015

Notes: The plumbing fixtures are nearing the end of their expected service life, not ADA compliant, and should be scheduled for replacement. Most drinking fountains do not work.

System: D3040 - Distribution & Exhaust Systems

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance / Environmental

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

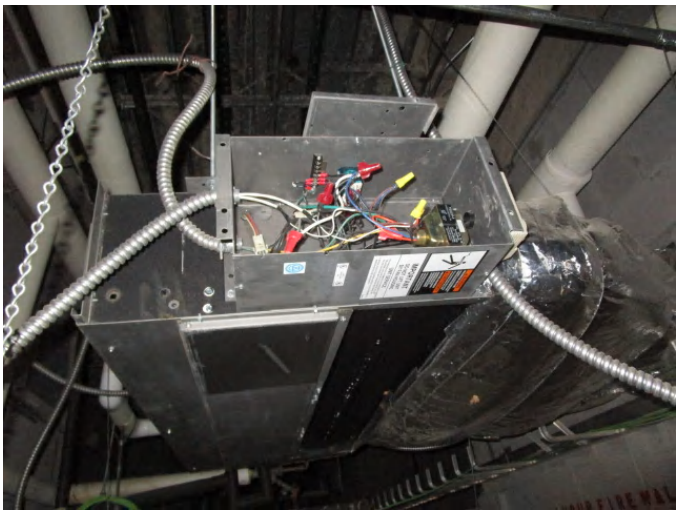
Estimate: $518,634.00

Assessor Name: Ben Nixon

Date Created: 06/03/2015

Notes: The distribution and exhaust systems are beyond their expected service life and should be scheduled for replacement. There is little or no exhaust in restrooms and the restroom vents are too close to the outside air intake on some air handlers.

System: D3050 - Terminal & Package Units



Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance / Energy

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $1,743,212.00

Assessor Name: Ben Nixon

Date Created: 04/11/2015

Notes: The terminal and package units are beyond their expected service life and should be scheduled for replacement. Five RTU units have been replaced recently due to vandalism, but the rest of the RTUs and the water source heat pumps are not performing adequately and should be replaced.

System: D3060 - Controls & Instrumentation

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance / Energy

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $338,853.00

Assessor Name: Ben Nixon

Date Created: 06/03/2015

Notes: The controls and instrumentation system is beyond its expected service life, does not function properly, and should be scheduled for replacement.

System: D5030 - Communications and Security - Clock & PA Systems

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $527,105.00

Assessor Name: Ben Nixon

Date Created: 04/11/2015

Notes: Clock and PA systems are beyond their expected service life and should be scheduled for replacement.

System: D5030 - Communications and Security - Fire Alarm

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $115,775.00

Assessor Name: Ben Nixon

Date Created: 04/11/2015

Notes: The fire alarm system is beyond its expected service life and should be scheduled for replacement.

System: D5090 - Other Electrical Systems - Emergency Generator

Location: Exterior of Building

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 85,569.00

Unit of Measure: S.F.

Estimate: $32,944.00

Assessor Name: Ben Nixon

Date Created: 06/03/2015

Notes: The emergency generator is beyond its expected service life, reportedly does not work, and should be scheduled for replacement.

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:	Elementary School
Gross Area (SF):	165
Year Built:	1996
Last Renovation:	
Replacement Value:	$16,333
Repair Cost:	$0.00
Total FCI:	0.00 %
Total RSLI:	63.30 %
FCA Score:	100.00

Description:

The storage building at Edward L. Bouie Sr. Elementary School is a one-story building located at 5100 Rock Springs Road in Lithonia, Georgia. Originally built in 1996, there have been no additions and no renovations to this building. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report.

Attributes:

General Attributes:

Building Codes:	2010	Fire Sprinkler System:	No

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	81.00 %	0.00 %	$0.00
A20 - Basement Construction	81.00 %	0.00 %	$0.00
B10 - Superstructure	81.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	80.10 %	0.00 %	$0.00
B30 - Roofing	5.00 %	0.00 %	$0.00
C10 - Interior Construction	52.50 %	0.00 %	$0.00
C30 - Interior Finishes	0.00 %	0.00 %	$0.00
D20 - Plumbing	36.67 %	0.00 %	$0.00
D50 - Electrical	0.00 %	0.00 %	$0.00
Totals:	**63.30 %**	**0.00 %**	**$0.00**

Photo Album

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

1). South Elevation - Jun 02, 2015

2). East Elevation - Jun 02, 2015

3). North Elevation - Jun 02, 2015

4). East Elevation - Jun 02, 2015

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	$4.49	S.F.	165	100	1996	2096		81.00 %	0.00 %	81			$741
A1030	Slab on Grade	$3.60	S.F.	165	100	1996	2096		81.00 %	0.00 %	81			$594
A2010	Basement Excavation	$0.22	S.F.	165	100	1996	2096		81.00 %	0.00 %	81			$36
A2020	Basement Walls	$3.52	S.F.	165	100	1996	2096		81.00 %	0.00 %	81			$581
B1020	Roof Construction	$16.33	S.F.	165	100	1996	2096		81.00 %	0.00 %	81			$2,694
B2010	Exterior Walls	$38.65	S.F.	165	100	1996	2096		81.00 %	0.00 %	81			$6,377
B2020	Exterior Windows	$4.87	S.F.	0	30	1996	2026		36.67 %	0.00 %	11			$0
B2030	Exterior Doors	$0.80	S.F.	165	30	1996	2026		36.67 %	0.00 %	11			$132
B3010	Roof Coverings	$16.79	S.F.	165	20	1996	2016		5.00 %	0.00 %	1			$2,770
C1010	Partitions	$13.04	S.F.	165	40	1996	2036		52.50 %	0.00 %	21			$2,152
C1020	Interior Doors	$2.61	S.F.	0	30	1996	2026		36.67 %	0.00 %	11			$0
C1030	Fittings	$3.04	S.F.	0	20	1996	2016		5.00 %	0.00 %	1			$0
C3010	Wall Finishes	$1.61	S.F.	0	20	1996	2016		5.00 %	0.00 %	1			$0
C3020	Floor Finishes	$6.58	S.F.	0	20	1996	2016		5.00 %	0.00 %	1			$0
C3030	Ceiling Finishes	$6.06	S.F.	0	20	1996	2016		5.00 %	0.00 %	1			$0
D2040	Rain Water Drainage	$1.55	S.F.	165	30	1996	2026		36.67 %	0.00 %	11			$256
D5010	Electrical Service/Distribution	$3.06	S.F.	0	30	1996	2026		36.67 %	0.00 %	11			$0
D5020	Lighting and Branch Wiring	$12.57	S.F.	0	30	1996	2026		36.67 %	0.00 %	11			$0
								Total	**63.30 %**					**$16,333**

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%

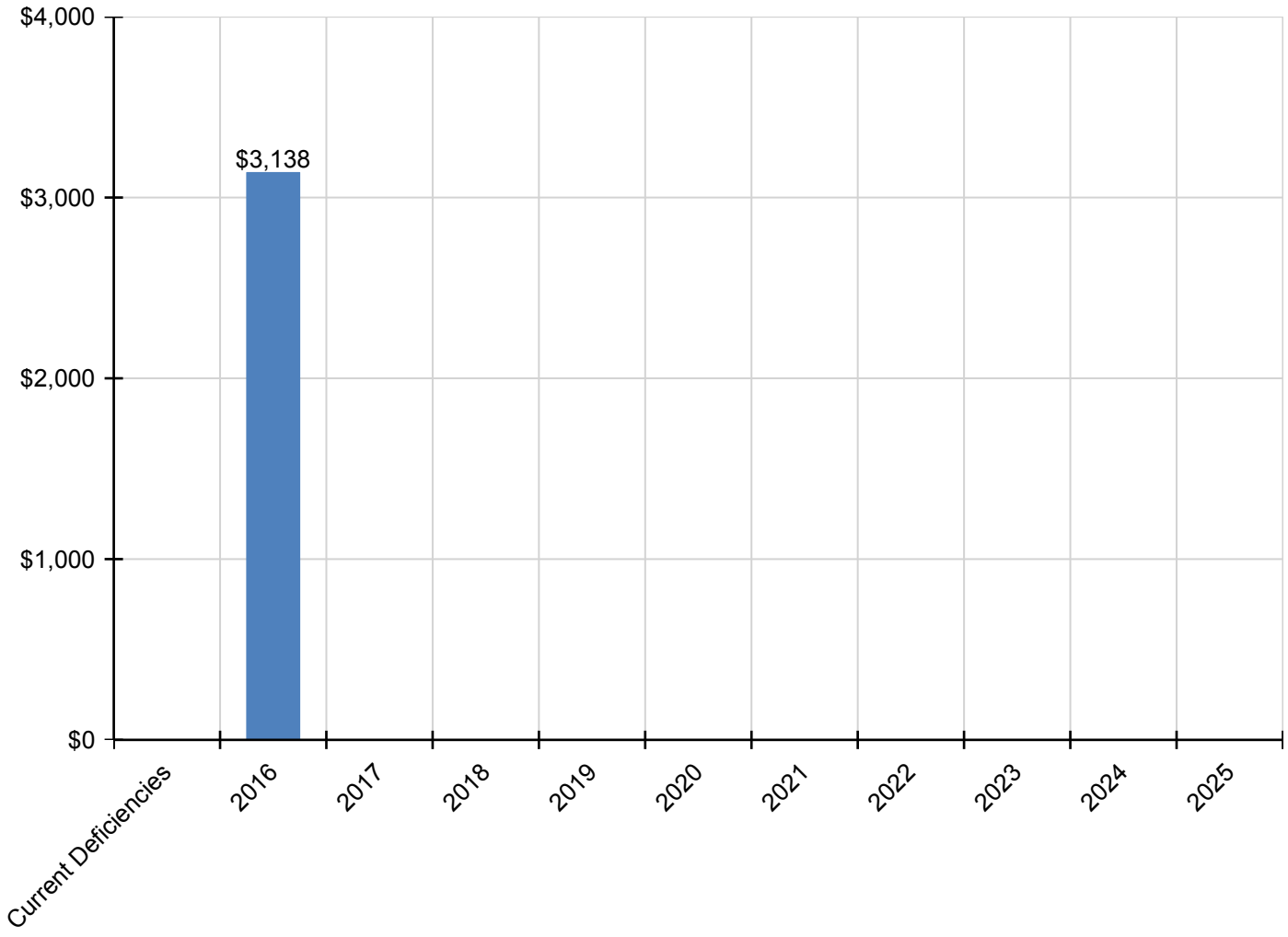
School Assessment Report - 1996 Storage

System	Current Deficiencies	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Total:	**$0**	**$3,138**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,138**
*** 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**
*** 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	$3,138	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$3,138**
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**
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**
C3020 - Floor Finishes	$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**
D20 - Plumbing	$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**
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 - Lighting and Branch Wiring	$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 the forecasted capital renewal (system replacement) requirements over the next ten years.



Deficiency Summary by System

Current deficiencies include assemblies that have reached or exceed 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 Service Life'. The following chart lists all current deficiencies associated with this facility broken down by UNIFORMAT system.

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. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **Priority 1** deficiencies require immediate review to correct a potential life/safety hazard, stop accelerated deterioration, or return a facility to operation.
- **Priority 2** deficiencies could become a Priority 1 deficiency, if not corrected within the next 2-3 years. These include intermittent operations, rapid deterioration, or potential life/safety hazards..
- **Priority 3** deficiencies require appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further and not completed within the next 3-5 years.
- **Priority 4** deficiencies represent a sensible improvement to existing conditions. The recommended improvements are not required for the basic functionality of the facility; however addressing these deficiencies will improve overall usability and/or reduce long term maintenance costs. Repairs for these deficiencies may be budgeted and scheduled for completion within the next 5-7 years.
- **Priority 5** deficiencies will include conditions that have no impact on the function or usability of the facility, such as appearance. No action is required for these deficiencies, but they are tracked since they may require future inspection or be completed as part of related repairs in contiguous areas of the facility.

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

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:	Elementary School
Gross Area (SF):	6,033
Year Built:	2003
Last Renovation:	2009
Replacement Value:	$953,274
Repair Cost:	$171,420.63
Total FCI:	17.98 %
Total RSLI:	64.23 %
FCA Score:	82.02

Description:

The 2003 gymnasium at Edward L. Bouie Sr. Elementary School is a one-story building located at 5100 Rock Springs Road in Lithonia, Georgia. There has been one restroom addition in 2009 and no major renovations. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report.

Attributes:

General Attributes:

Building Codes:	2020	Fire Sprinkler System:	No

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	88.00 %	0.00 %	$0.00
A20 - Basement Construction	0.00 %	0.00 %	$0.00
B10 - Superstructure	88.00 %	0.00 %	$0.00
B20 - Exterior Enclosure	85.42 %	0.00 %	$0.00
B30 - Roofing	84.00 %	6.01 %	$4,319.68
C10 - Interior Construction	76.16 %	0.00 %	$0.00
C20 - Stairs	0.00 %	0.00 %	$0.00
C30 - Interior Finishes	25.41 %	14.45 %	$9,357.00
D10 - Conveying	0.00 %	0.00 %	$0.00
D20 - Plumbing	60.00 %	3,130.81 %	$60,455.95
D30 - HVAC	38.23 %	39.61 %	$77,313.00
D40 - Fire Protection	0.00 %	0.00 %	$0.00
D50 - Electrical	40.59 %	21.21 %	$19,975.00
E10 - Equipment	40.00 %	0.00 %	$0.00
E20 - Furnishings	0.00 %	0.00 %	$0.00
Totals:	**64.23 %**	**17.98 %**	**$171,420.63**

Photo Album

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

1). North Elevation - Jun 02, 2015

2). West Elevation - Jun 02, 2015

3). South Elevation - Jun 02, 2015

4). East Elevation - Jun 02, 2015

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	$9.34	S.F.	6,033	100	2003	2103		88.00 %	0.00 %	88			$56,348
A1020	Special Foundations	$0.47	S.F.	0	100	2003	2103		88.00 %	0.00 %	88			$0
A1030	Slab on Grade	$6.21	S.F.	6,033	100	2003	2103		88.00 %	0.00 %	88			$37,465
A2010	Basement Excavation	$0.18	S.F.	0	100	2003	2103		88.00 %	0.00 %	88			$0
A2020	Basement Walls	$2.47	S.F.	0	100	2003	2103		88.00 %	0.00 %	88			$0
B1010	Floor Construction	$2.65	S.F.	0	100	2003	2103		88.00 %	0.00 %	88			$0
B1020	Roof Construction	$21.36	S.F.	6,033	100	2003	2103		88.00 %	0.00 %	88			$128,865
B2010	Exterior Walls	$19.80	S.F.	6,033	100	2003	2103		88.00 %	0.00 %	88			$119,453
B2020	Exterior Windows	$9.36	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
B2030	Exterior Doors	$2.01	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$12,126
B3010	Roof Coverings - BUR	$13.90	S.F.	0	20	2003	2023		40.00 %	0.00 %	8			$0
B3010	Roof Coverings - EPDM	$13.90	S.F.	0	15	2003	2018		20.00 %	0.00 %	3			$0
B3010	Roof Coverings - Standing Seam Metal	$11.91	S.F.	6,033	75	2003	2078		84.00 %	6.01 %	63		$4,319.68	$71,853
B3020	Roof Openings	$0.54	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
C1010	Partitions	$12.78	S.F.	6,033	100	2003	2103		88.00 %	0.00 %	88			$77,102
C1020	Interior Doors	$4.24	S.F.	6,033	40	2003	2043		70.00 %	0.00 %	28			$25,580
C1030	Fittings	$3.46	S.F.	6,033	20	2003	2023		40.00 %	0.00 %	8			$20,874
C2010	Stair Construction	$0.00	S.F.	0	100	2003	2103		88.00 %	0.00 %	88			$0
C3010	Wall Finishes - Ceramic	$6.65	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
C3010	Wall Finishes - Paint	$1.41	S.F.	6,033	10	2003	2013		0.00 %	109.99 %	-2		$9,357.00	$8,507
C3020	Floor Finishes - Carpet	$3.74	S.F.	0	8	2003	2011		0.00 %	0.00 %	-4			$0
C3020	Floor Finishes - VCT	$5.01	S.F.	6,033	15	2003	2018		20.00 %	0.00 %	3			$30,225
C3020	Floor Finishes - Wood	$10.68	S.F.	0	50	2003	2053		76.00 %	0.00 %	38			$0
C3030	Ceiling Finishes	$4.31	S.F.	6,033	20	2003	2023		40.00 %	0.00 %	8			$26,002
D1010	Elevators and Lifts	$0.00	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
D2010	Plumbing Fixtures	$9.66	S.F.	0	30	2003	2033		60.00 %	0.00 %	18		$60,455.95	$0
D2020	Domestic Water Distribution	$5.85	S.F.	0	30	2000	2030		50.00 %	0.00 %	15			$0
D2030	Sanitary Waste	$0.87	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
D2040	Rain Water Drainage	$0.22	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
D2090	Other Plumbing Systems - Natural Gas	$0.32	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$1,931
D3020	Heat Generating Systems	$4.02	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$24,253
D3030	Cooling Generating Systems	$4.17	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$25,158
D3040	Distribution Systems & Exhaust Systems	$12.25	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$73,904
D3050	Terminal & Package Units	$11.65	S.F.	6,033	15	2003	2018	2015	0.00 %	110.00 %	0		$77,313.00	$70,284

System Code	System Description	Unit Price $	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency $	Replacement Value $
D3060	Controls & Instrumentation	$0.26	S.F.	6,033	20	2003	2023		40.00 %	0.00 %	8			$1,569
D4010	Sprinklers	$3.84	S.F.	0	30	2003	2033		60.00 %	0.00 %	18			$0
D5010	Electrical Service/Distribution	$1.24	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$7,481
D5020	Branch Wiring	$5.24	S.F.	6,033	30	2003	2033		60.00 %	0.00 %	18			$31,613
D5020	Lighting	$5.24	S.F.	6,033	20	2003	2023		40.00 %	0.00 %	8			$31,613
D5030	Communications and Security - Fire Alarm	$2.13	S.F.	6,033	10	2003	2013		0.00 %	110.00 %	-2		$14,135.00	$12,850
D5030	Communications and Security - Public Address & Clock System	$0.88	S.F.	6,033	20	2003	2023		40.00 %	0.00 %	8			$5,309
D5030	Communications and Security - Security & CCTV	$0.88	S.F.	6,033	10	2003	2013		0.00 %	110.00 %	-2		$5,840.00	$5,309
D5090	Other Electrical Systems - Emergency Generator	$0.32	S.F.		20	2003	2023		40.00 %	0.00 %	8			$0
E1010	Commercial Equipment	$6.54	S.F.	0	20	2003	2023		40.00 %	0.00 %	8			$0
E1020	Institutional Equipment	$7.89	S.F.	6,033	20	2003	2023		40.00 %	0.00 %	8			$47,600
E2010	Fixed Furnishings	$2.00	S.F.	0	20	2003	2023		40.00 %	0.00 %	8			$0
								Total	**64.23 %**	**17.98 %**			**$171,420.63**	**$953,274**

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	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Total:	**$171,421**	**$0**	**$0**	**$36,331**	**$0**	**$0**	**$0**	**$0**	**$185,282**	**$0**	**$39,420**	**$432,453**
*** A - Substructure**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A10 - Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A1010 - Standard Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A1020 - Special Foundations**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A1030 - Slab on Grade**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A20 - Basement Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A2010 - Basement Excavation**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** A2020 - Basement Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B - Shell	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B10 - Superstructure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B1010 - Floor Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B1020 - Roof Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B20 - Exterior Enclosure	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** B2010 - Exterior Walls**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2020 - Exterior Windows	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B2030 - Exterior Doors	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B30 - Roofing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - BUR	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - EPDM	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
B3010 - Roof Coverings - Standing Seam Metal	$4,320	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$4,320**
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**

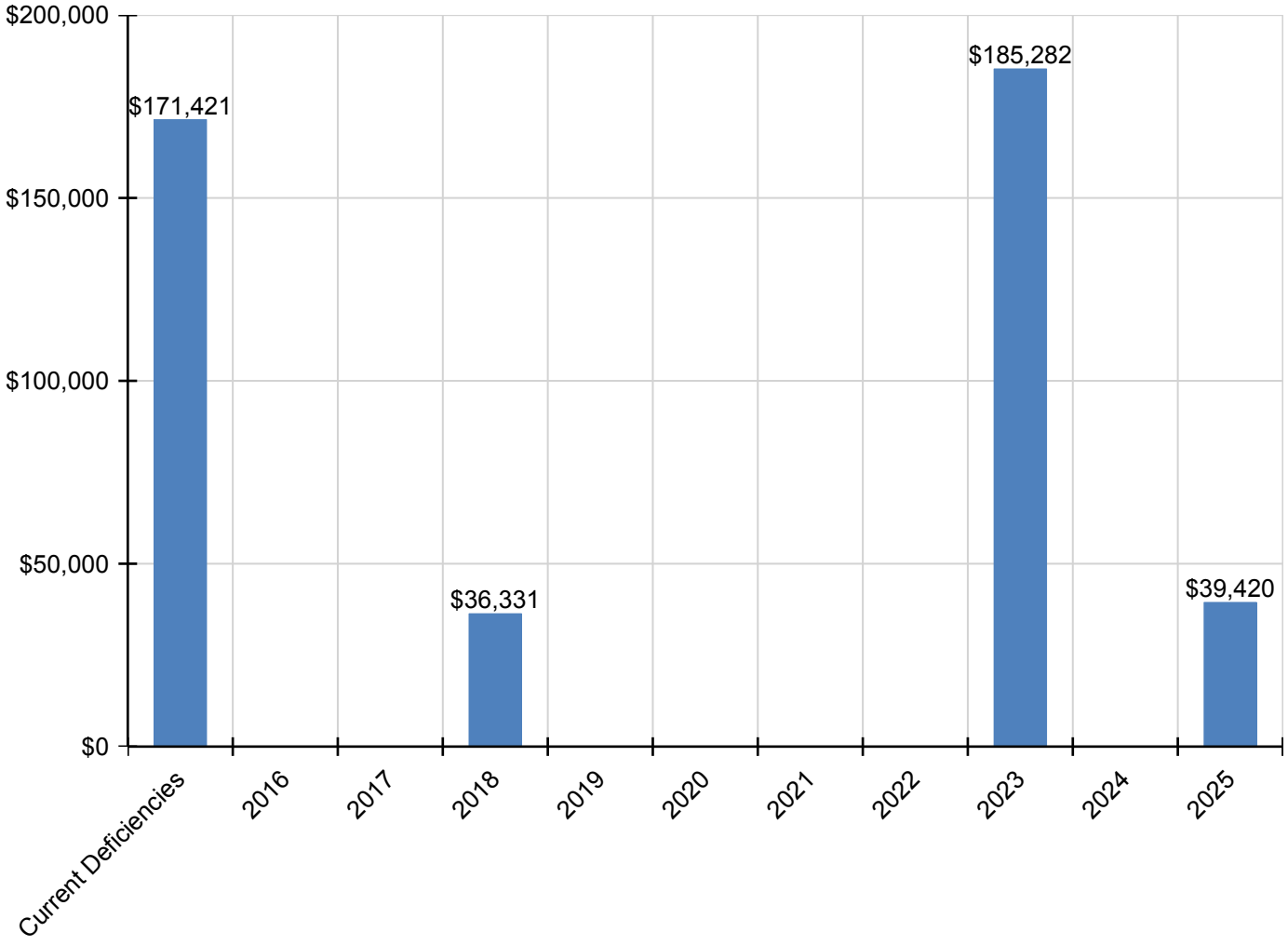
C1030 - Fittings	$0	$0	$0	$0	$0	$0	$0	$0	$29,088	$0	$0	**$29,088**
C20 - Stairs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
*** C2010 - Stair Construction**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C30 - Interior Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes - Ceramic	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3010 - Wall Finishes - Paint	$9,357	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,575	**$21,932**
C3020 - Floor Finishes - Carpet	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3020 - Floor Finishes - VCT	$0	$0	$0	$36,331	$0	$0	$0	$0	$0	$0	$0	**$36,331**
C3020 - Floor Finishes - Wood	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
C3030 - Ceiling Finishes	$0	$0	$0	$0	$0	$0	$0	$0	$36,232	$0	$0	**$36,232**
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	$60,456	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$60,456**
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**
D2090 - Other Plumbing Systems - Natural Gas	$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	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3030 - Cooling Generating Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3040 - Distribution Systems & Exhaust Systems	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
D3050 - Terminal & Package Units	$77,313	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$77,313**
D3060 - Controls & Instrumentation	$0	$0	$0	$0	$0	$0	$0	$0	$2,185	$0	$0	**$2,185**
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**
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**
D5020 - Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$44,051	$0	$0	**$44,051**
D5030 - Communications and Security - Fire Alarm	$14,135	$0	$0	$0	$0	$0	$0	$0	$0	$0	$18,996	**$33,131**

D5030 - Communications and Security - Public Address & Clock System	$0	$0	$0	$0	$0	$0	$0	$0	$7,398	$0	$0	**$7,398**
D5030 - Communications and Security - Security & CCTV	$5,840	$0	$0	$0	$0	$0	$0	$0	$0	$0	$7,848	**$13,688**
D5090 - Other Electrical Systems - Emergency Generator	$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**
E1010 - Commercial Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
E1020 - Institutional Equipment	$0	$0	$0	$0	$0	$0	$0	$0	$66,328	$0	$0	**$66,328**
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*

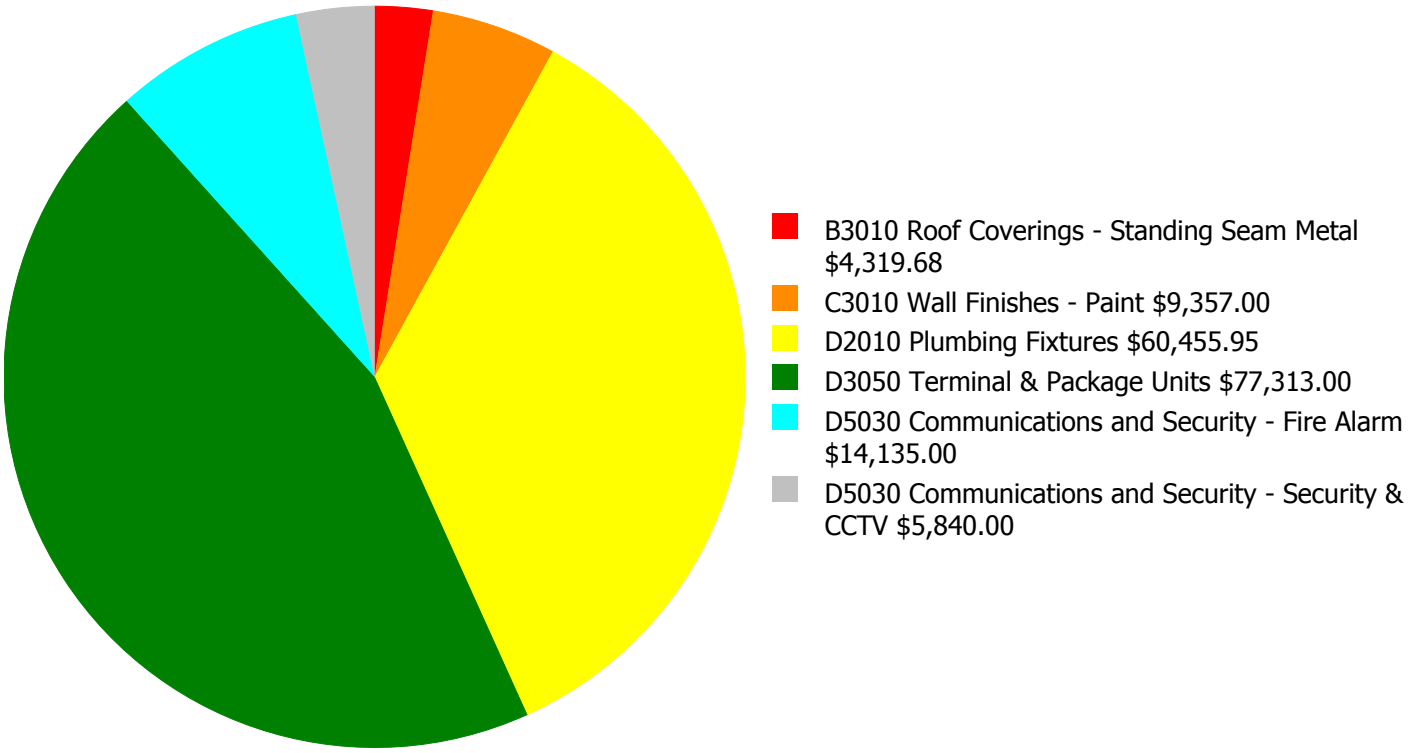
Forecasted Capital Renewal Requirement

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



Deficiency Summary by System

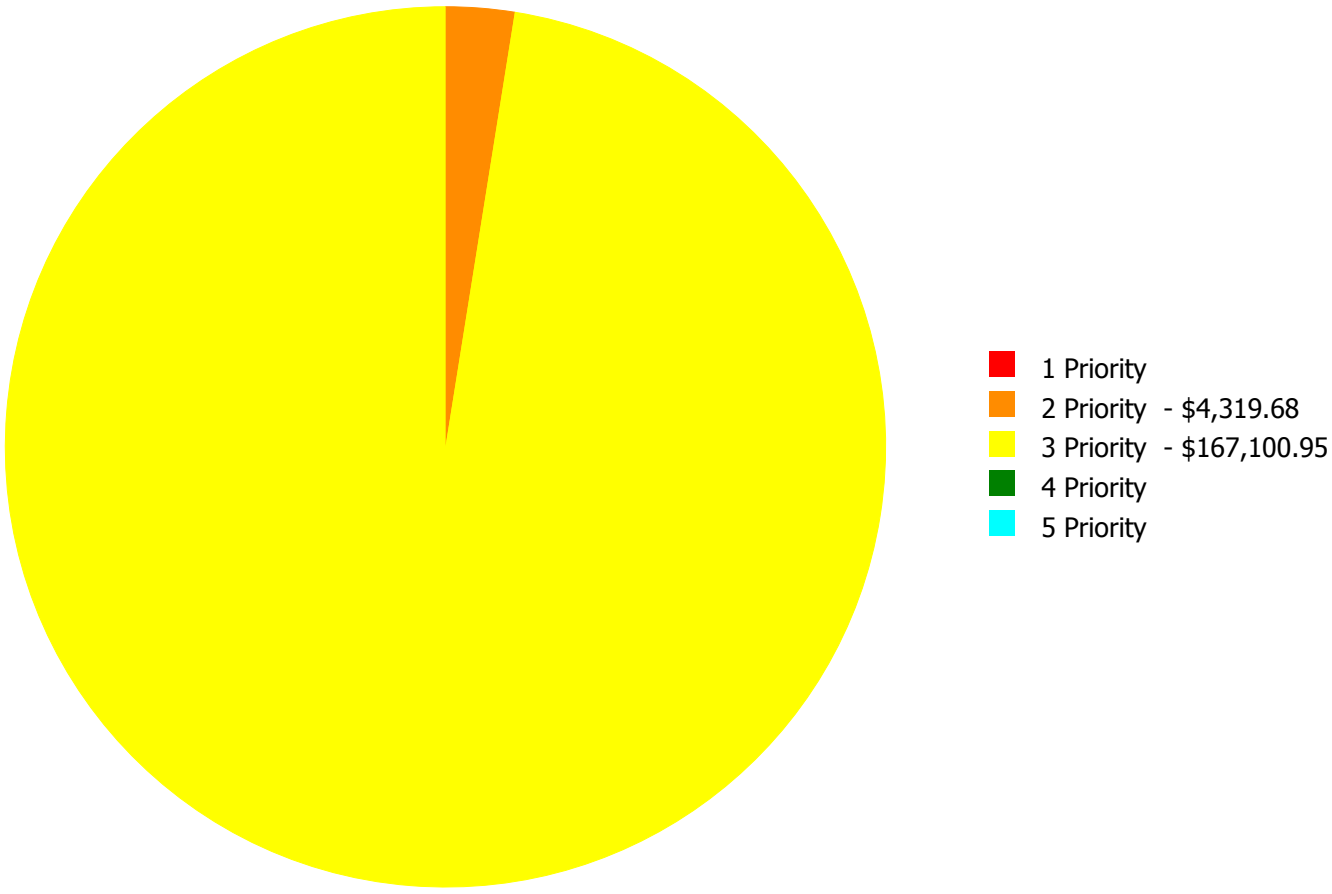
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart lists all current deficiencies associated with this facility broken down by UNIFORMAT system.



Budget Estimate Total: $171,420.63

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: $171,420.63

Deficiency By Priority Investment Table

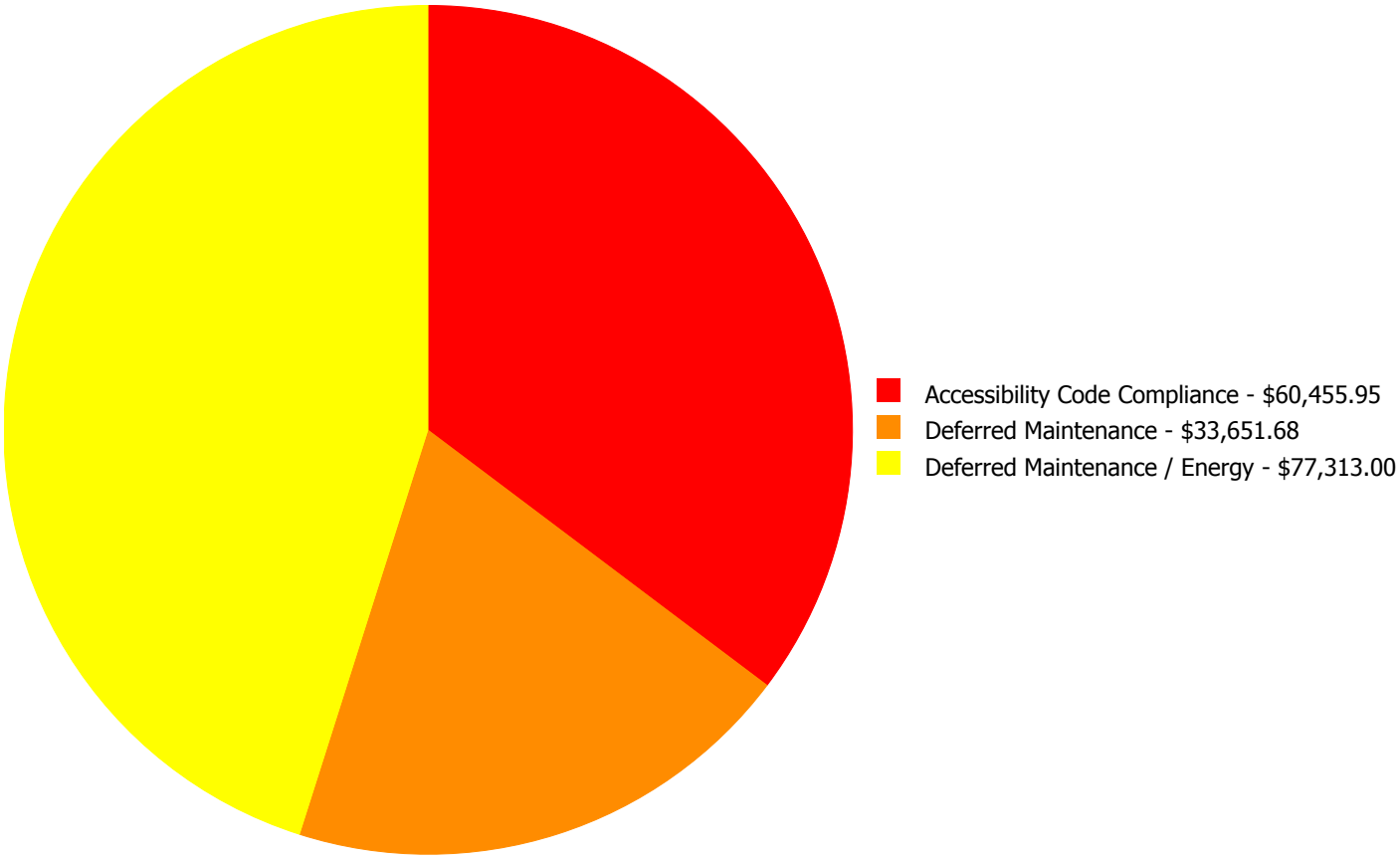
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **Priority 1** deficiencies require immediate review to correct a potential life/safety hazard, stop accelerated deterioration, or return a facility to operation.
- **Priority 2** deficiencies could become a Priority 1 deficiency, if not corrected within the next 2-3 years. These include intermittent operations, rapid deterioration, or potential life/safety hazards..
- **Priority 3** deficiencies require appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further and not completed within the next 3-5 years.
- **Priority 4** deficiencies represent a sensible improvement to existing conditions. The recommended improvements are not required for the basic functionality of the facility; however addressing these deficiencies will improve overall usability and/or reduce long term maintenance costs. Repairs for these deficiencies may be budgeted and scheduled for completion within the next 5-7 years.
- **Priority 5** deficiencies will include conditions that have no impact on the function or usability of the facility, such as appearance. No action is required for these deficiencies, but they are tracked since they may require future inspection or be completed as part of related repairs in contiguous areas of the facility.

System Code	System Description	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Total
B3010	Roof Coverings - Standing Seam Metal	$0.00	$4,319.68	$0.00	$0.00	$0.00	$4,319.68
C3010	Wall Finishes - Paint	$0.00	$0.00	$9,357.00	$0.00	$0.00	$9,357.00
D2010	Plumbing Fixtures	$0.00	$0.00	$60,455.95	$0.00	$0.00	$60,455.95
D3050	Terminal & Package Units	$0.00	$0.00	$77,313.00	$0.00	$0.00	$77,313.00
D5030	Communications and Security - Fire Alarm	$0.00	$0.00	$14,135.00	$0.00	$0.00	$14,135.00
D5030	Communications and Security - Security & CCTV	$0.00	$0.00	$5,840.00	$0.00	$0.00	$5,840.00
	Total:	$0.00	$4,319.68	$167,100.95	$0.00	$0.00	$171,420.63

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: $171,420.63

Deficiency Details by Priority

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

Priority 2 Priority:

System: B3010 - Roof Coverings - Standing Seam Metal

Location: Roof

Distress: Damaged

Category: Deferred Maintenance

Priority: 2 Priority

Correction: Replace Gutters and downspouts

Qty: 1.00

Unit of Measure: L.F.

Estimate: $4,319.68

Assessor Name: Sam Mandola

Date Created: 06/01/2015

Notes: The gutters and downspouts are damaged, full of debris, and damaging the exterior walls. The system should be replaced.

Priority 3 Priority:

System: C3010 - Wall Finishes - Paint

Location: Throughout Building
Distress: Beyond Service Life
Category: Deferred Maintenance
Priority: 3 Priority
Correction: Renew System
Qty: 6,033.00
Unit of Measure: S.F.
Estimate: $9,357.00
Assessor Name: Sam Mandola
Date Created: 04/11/2015

Notes: The painted wall finishes are beyond their expected service life, dirty, and should be replaced.

System: D2010 - Plumbing Fixtures

Location: Throughout Building
Distress: Needs Remediation
Category: Accessibility Code Compliance
Priority: 3 Priority
Correction: Add ADA compliant rest room.
Qty: 1.00
Unit of Measure: Ea.
Estimate: $60,455.95
Assessor Name: Sam Mandola
Date Created: 06/03/2015

Notes: The restrooms are not ADA compliant. Construct one each boys and girls restrooms that meet ADA requirements.

System: D3050 - Terminal & Package Units

Location: Throughout Building

Distress: Inadequate

Category: Deferred Maintenance / Energy

Priority: 3 Priority

Correction: Renew System

Qty: 6,033.00

Unit of Measure: S.F.

Estimate: $77,313.00

Assessor Name: Sam Mandola

Date Created: 06/02/2015

Notes: One PTAC AC unit is located in the office area of the gym. It is nearing the end of its expected service life. The main gym area does not have air conditioning and it should be provided. SPLOST project 302-422 to install a 20-ton package unit in the gym.

System: D5030 - Communications and Security - Fire Alarm

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 6,033.00

Unit of Measure: S.F.

Estimate: $14,135.00

Assessor Name: Sam Mandola

Date Created: 04/11/2015

Notes: The fire alarm system is beyond its expected service life and should be scheduled for replacement.

System: D5030 - Communications and Security - Security & CCTV

Location: Throughout Building

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 6,033.00

Unit of Measure: S.F.

Estimate: $5,840.00

Assessor Name: Sam Mandola

Date Created: 04/11/2015

Notes: The security and CCTV systems are beyond their expected service life and should be scheduled for replacement.

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:	Elementary School
Gross Area (SF):	91,767
Year Built:	1996
Last Renovation:	
Replacement Value:	$2,589,890
Repair Cost:	$243,572.76
Total FCI:	9.40 %
Total RSLI:	29.23 %
FCA Score:	90.60

Description:

The Edward L. Bouie Sr. Elementary School site was originally constructed in 1996, has a total area of 35.9 acres, and is occupied by approximately 91,767 square feet of permanent building space. Campus site features include paved driveways and parking lots, pedestrian pavement, flag pole, landscaping, and fencing. Site mechanical and electrical features include water, sewer, natural gas, and site lighting. This report contains condition and adequacy data collected during the 2015 Facility Condition Assessment (FCA). Detailed condition and deficiency statements are contained in this report for the site features.

Attributes:

General Attributes:

Site Code:	1565

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	13.74 %	15.40 %	$243,572.76
G30 - Site Mechanical Utilities	62.00 %	0.00 %	$0.00
G40 - Site Electrical Utilities	36.67 %	0.00 %	$0.00
Totals:	**29.23 %**	**9.40 %**	**$243,572.76**

Photo Album

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

1). Aerial Image of E.L. Bouie Elementary School - Oct 20, 2015

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	$5.17	S.F.	93,707	25	1996	2021		24.00 %	0.00 %	6			$484,465
G2020	Parking Lots	$4.56	S.F.	29,473	25	1996	2021		24.00 %	0.00 %	6			$134,397
G2030	Pedestrian Paving	$1.50	S.F.		30	1996	2026		36.67 %	0.00 %	11			$0
G2040	Baseball Field	$8.35	S.F.		20	1996	2016		5.00 %	0.00 %	1			$0
G2040	Canopies	$0.29	S.F.		25	1996	2021		24.00 %	0.00 %	6			$0
G2040	Covered Walkways	$48.72	S.F.	2,950	25	1996	2021		24.00 %	0.00 %	6			$143,724
G2040	Fencing & Guardrails	$0.91	S.F.		30	1996	2026		36.67 %	0.00 %	11		$1,204.56	$0
G2040	Football Field	$5.85	S.F.		20	1996	2016		5.00 %	0.00 %	1			$0
G2040	Hard Surface Play Area	$6.26	S.F.	9,038	20	1996	2016		5.00 %	169.68 %	1		$95,999.83	$56,578
G2040	Playing Field	$3.92	S.F.	160,496	20	1996	2016		5.00 %	0.00 %	1			$629,144
G2040	Soccer/Lacross Field	$5.00	S.F.		20	1996	2016		5.00 %	0.00 %	1			$0
G2040	Softball Field	$8.86	S.F.		20	1996	2016		5.00 %	0.00 %	1			$0
G2040	Tennis Courts	$18.47	S.F.		20	1996	2016		5.00 %	0.00 %	1			$0
G2040	Track	$7.04	S.F.		10	1996	2006		0.00 %	0.00 %	-9			$0
G2050	Landscaping	$1.45	S.F.	91,767	15	1996	2011		0.00 %	110.00 %	-4		$146,368.37	$133,062
G3010	Water Supply	$1.83	S.F.	91,767	50	1996	2046		62.00 %	0.00 %	31			$167,934
G3020	Sanitary Sewer	$1.15	S.F.	91,767	50	1996	2046		62.00 %	0.00 %	31			$105,532
G3030	Storm Sewer	$3.55	S.F.	91,767	50	1996	2046		62.00 %	0.00 %	31			$325,773
G3060	Fuel Distribution	$0.78	S.F.	91,767	50	1996	2046		62.00 %	0.00 %	31			$71,578
G4010	Electrical Distribution	$1.86	S.F.	91,767	30	1996	2026		36.67 %	0.00 %	11			$170,687
G4020	Site Lighting	$1.15	S.F.	91,767	30	1996	2026		36.67 %	0.00 %	11			$105,532
G4030	Site Communications & Security	$0.67	S.F.	91,767	30	1996	2026		36.67 %	0.00 %	11			$61,484
								Total	**29.23 %**	**9.40 %**			**$243,572.76**	**$2,589,890**

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.

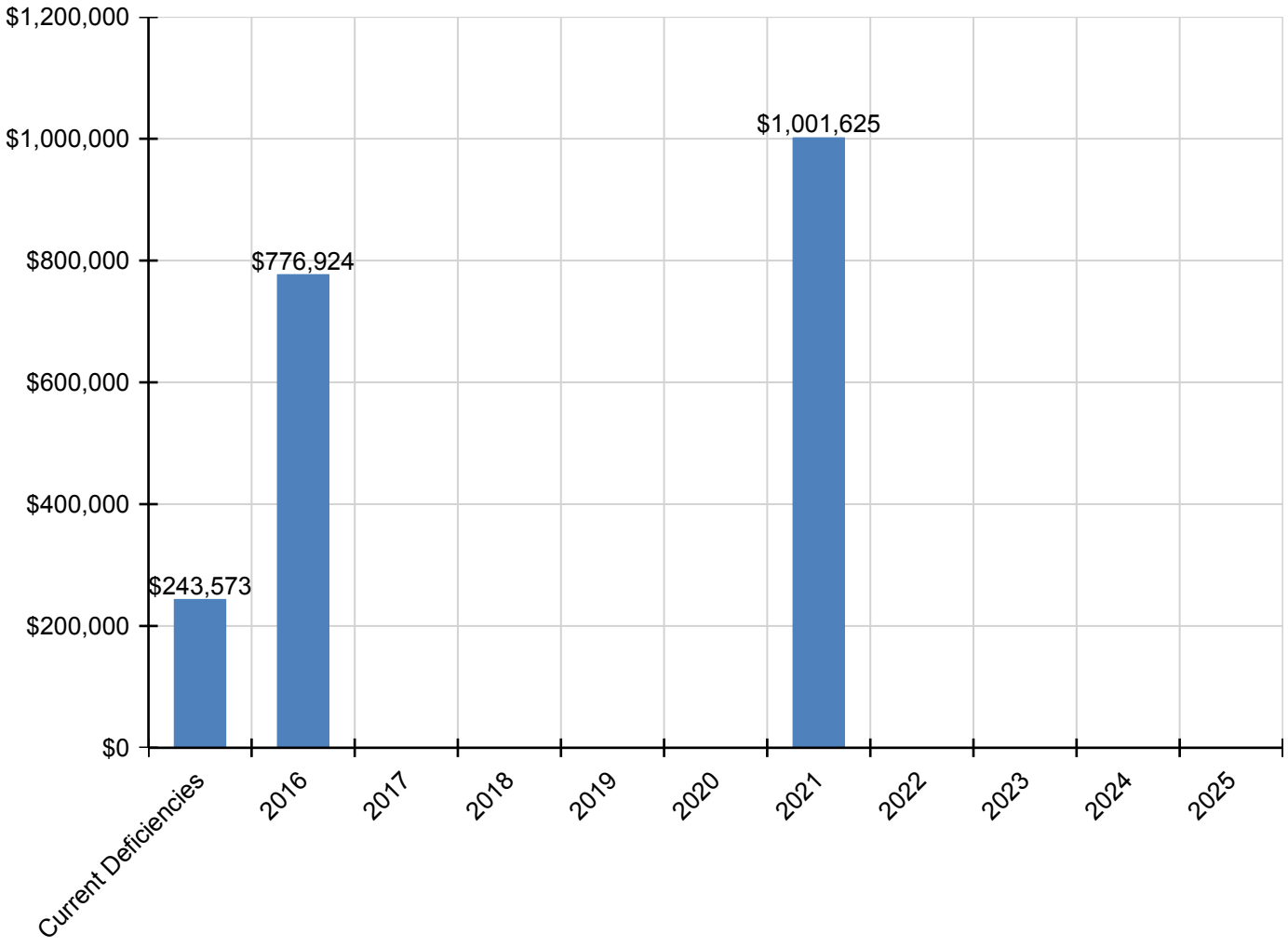
Inflation Rate: 3%

System	Current Deficiencies	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Total:	**$243,573**	**$776,924**	**$0**	**$0**	**$0**	**$0**	**$1,001,625**	**$0**	**$0**	**$0**	**$0**	**$2,022,121**
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	$636,325	$0	$0	$0	$0	**$636,325**
G2020 - Parking Lots	$0	$0	$0	$0	$0	$0	$176,525	$0	$0	$0	$0	**$176,525**
G2030 - Pedestrian Paving	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Baseball Field	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Canopies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Covered Walkways	$0	$0	$0	$0	$0	$0	$188,775	$0	$0	$0	$0	**$188,775**
G2040 - Fencing & Guardrails	$1,205	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$1,205**
G2040 - Football Field	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Hard Surface Play Area	$96,000	$64,103	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$160,103**
G2040 - Playing Field	$0	$712,821	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$712,821**
G2040 - Soccer/Lacross Field	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Softball Field	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Tennis Courts	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2040 - Track	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G2050 - Landscaping	$146,368	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$146,368**
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	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
G4030 - Site Communications & Security	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**

** Indicates non-renewable system*

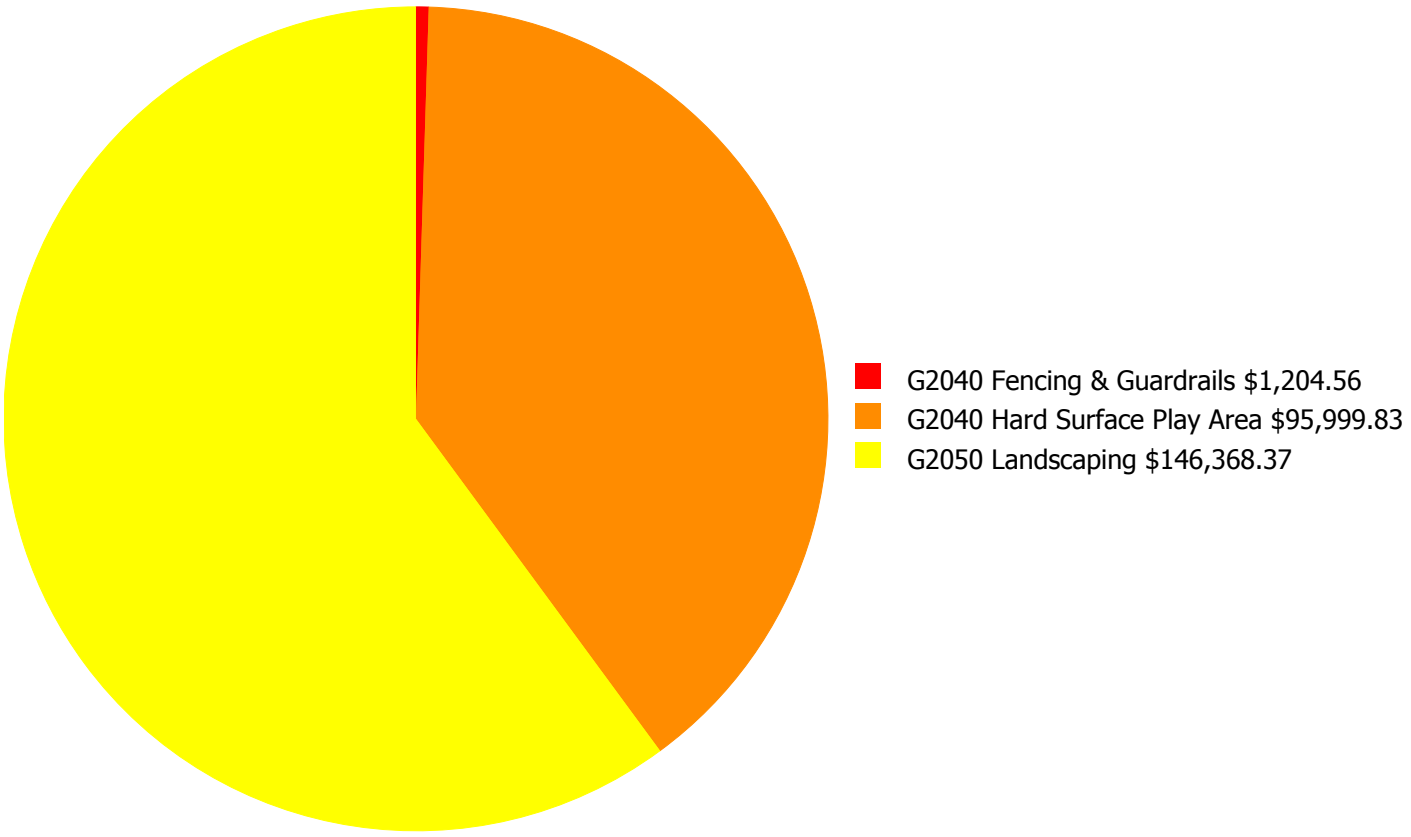
Forecasted Capital Renewal Requirement

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



Deficiency Summary by System

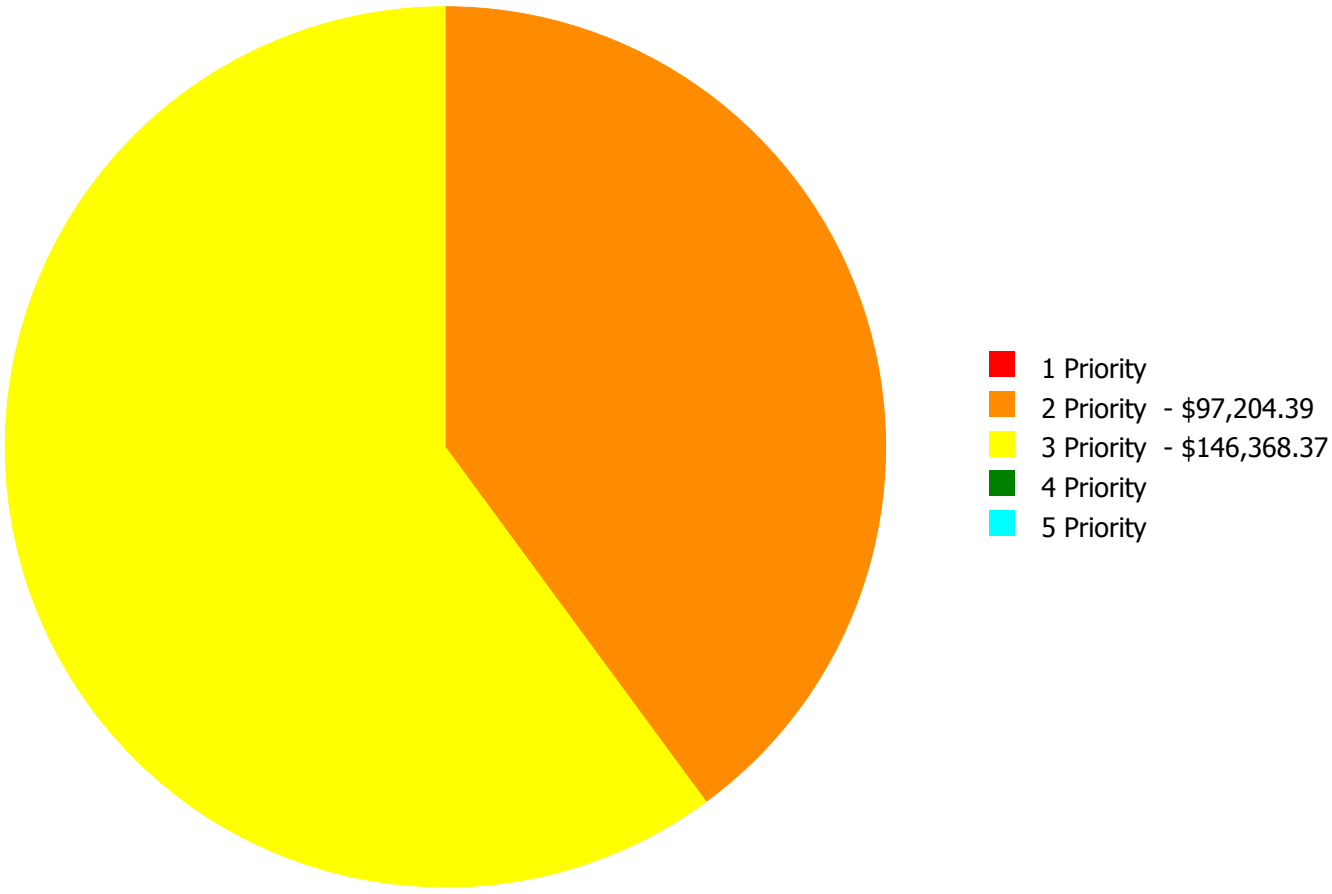
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart lists all current deficiencies associated with this facility broken down by UNIFORMAT system.



Budget Estimate Total: $243,572.76

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: $243,572.76

Deficiency By Priority Investment Table

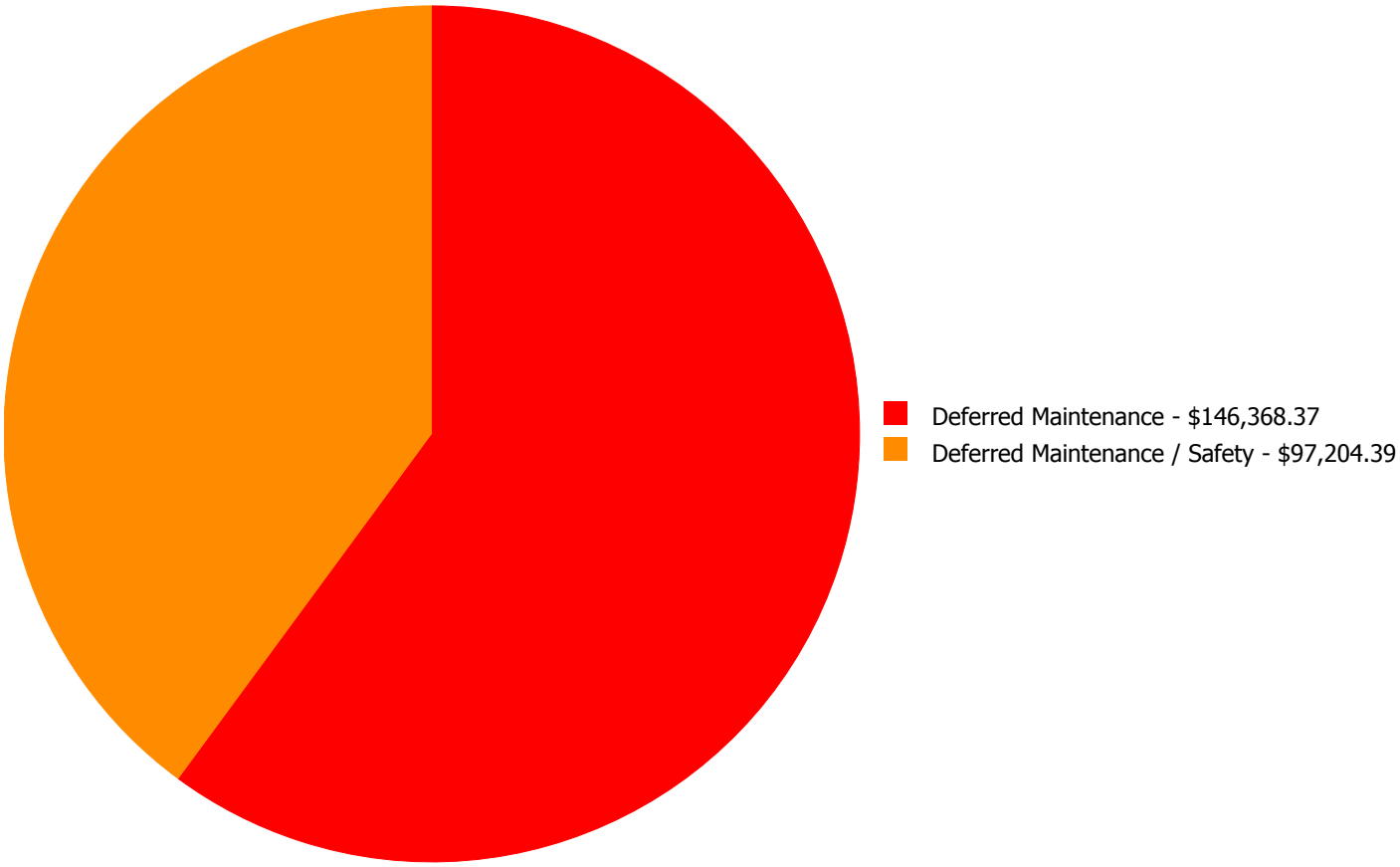
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **Priority 1** deficiencies require immediate review to correct a potential life/safety hazard, stop accelerated deterioration, or return a facility to operation.
- **Priority 2** deficiencies could become a Priority 1 deficiency, if not corrected within the next 2-3 years. These include intermittent operations, rapid deterioration, or potential life/safety hazards..
- **Priority 3** deficiencies require appropriate attention to preclude predictable deterioration or potential downtime and the associated damage or higher costs if deferred further and not completed within the next 3-5 years.
- **Priority 4** deficiencies represent a sensible improvement to existing conditions. The recommended improvements are not required for the basic functionality of the facility; however addressing these deficiencies will improve overall usability and/or reduce long term maintenance costs. Repairs for these deficiencies may be budgeted and scheduled for completion within the next 5-7 years.
- **Priority 5** deficiencies will include conditions that have no impact on the function or usability of the facility, such as appearance. No action is required for these deficiencies, but they are tracked since they may require future inspection or be completed as part of related repairs in contiguous areas of the facility.

System Code	System Description	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Total
G2040	Fencing & Guardrails	$0.00	$1,204.56	$0.00	$0.00	$0.00	$1,204.56
G2040	Hard Surface Play Area	$0.00	$95,999.83	$0.00	$0.00	$0.00	$95,999.83
G2050	Landscaping	$0.00	$0.00	$146,368.37	$0.00	$0.00	$146,368.37
	Total:	$0.00	$97,204.39	$146,368.37	$0.00	$0.00	$243,572.76

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:



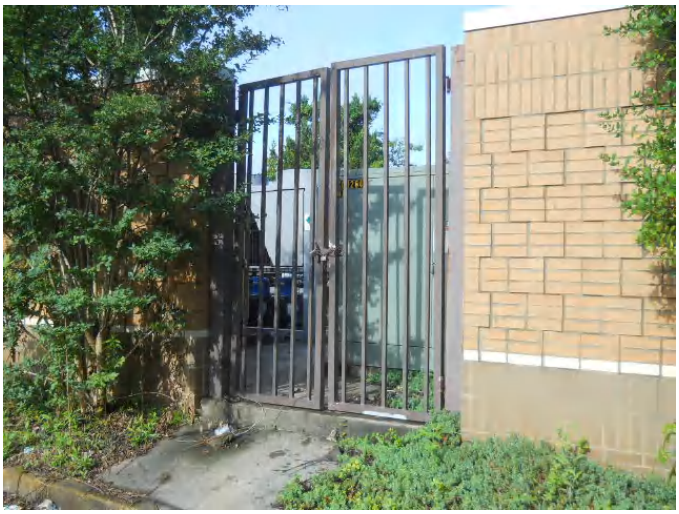
Budget Estimate Total: $243,572.76

Deficiency Details by Priority

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

Priority 2 Priority:

System: G2040 - Fencing & Guardrails



Location: Mechanical Yard
Distress: Damaged
Category: Deferred Maintenance / Safety
Priority: 2 Priority
Correction: Replace 6' x 18' cantilever slide gate
Qty: 1.00
Unit of Measure: Opng.
Estimate: $1,204.56
Assessor Name: Eduardo Lopez
Date Created: 06/02/2015

Notes: The gate at the mechanical yard is broken, presenting safety and security hazards, and should be repaired/replaced.

System: G2040 - Hard Surface Play Area

Location: Site
Distress: Damaged
Category: Deferred Maintenance / Safety
Priority: 2 Priority
Correction: Replace outdoor cushioned play area covering
Qty: 1.00
Unit of Measure: S.F.
Estimate: $95,999.83
Assessor Name: Eduardo Lopez
Date Created: 06/02/2015

Notes: The outdoor courtyard play area is deteriorating with trip hazards and should be replaced.

Priority 3 Priority:

System: G2050 - Landscaping

Location: Site

Distress: Beyond Service Life

Category: Deferred Maintenance

Priority: 3 Priority

Correction: Renew System

Qty: 91,767.00

Unit of Measure: S.F.

Estimate: $146,368.37

Assessor Name: Eduardo Lopez

Date Created: 06/03/2015

Notes: Landscaping is beyond its expected service life, overgrown in many areas, and should be replaced.

Glossary

Abandoned	A facility owned by a district 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 1983 (30 years) were included in the main building area calculations to reflect their predicted system depreciation characteristics and remaining service life.
Building Systems	eCOMET® uses UNIFORMAT II to organize building data. UNIFORMAT II was originally developed by the federal General Services Administration to delineate building costs by systems rather than by material. UNIFORMAT II was formalized by an NIST standard, NISTIR 6389 in 1999. It has been further quantified and updated by ASTM standard 2005, E1557-05. The Construction Specifications Institute, CSI, has taken over the standard as part of their MasterFormat / MasterSpec system.
Calculated Next Renewal	The year a system or building element would be expected to expire based solely on the date it was installed and the expected useful lifetime for that kind of system.
Capital Renewal	Capital renewal refers to the cyclical replacement of building systems or elements as they become obsolete or beyond their useful life. It is not normally included in an annual operating/maintenance budget. See calculated next renewal and next renewal.
City Cost Index (CCI)	RS Means provides building system, equipment, and construction costs at a national level. The City Cost Index (also provided by RS Means) localizes those costs to a geographic region of the United States. In eCOMET®, each building or site is assigned a City Cost Index, which adjusts all of the associated costs for systems, deficiencies and inventory to the local value.
Condition	Condition refers to the state of physical fitness or readiness of a facility system or system element for its intended use.
Condition Budget	The Condition Budget, also known as Condition Needs, represents the budgeted contractor installed costs plus owner's soft costs for the repair, replacement or renewal for a component or system level deficiency. It excludes contributing costs for other components or systems that might also be associated with the corrective actions due to packaging the work.

Condition Index (CI) %	The Condition Index (CI) also known as the Remaining Service Life Index (RSLI) is calculated as the sum of a renewable system's Remaining Service Life (RSL) Value divided by the sum of a system's Replacement Value (both values exclude soft cost to simplify calculation updates) expressed as a percentage ranging from 100.00% (new) to 0.00% (expired - no remaining life).
Construction Specifications Institute	Construction Specifications Institute: Primary national organization specializing in construction materials data and data location in construction documents. eCOMET® reference: UNIFORMAT II materials classification.
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	Deficiency 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 Distress	Deficiency Distress refers to a user-defined root cause of a deficiency. Distress descriptions are: Beyond Service Life, Damaged, Inadequate, Needs Remediation, and Missing.
Deficiency Priority	Deficiency Priority refers to a deficiency's urgency for repair as determined by the assessment team. Deficiencies were assigned a priority of 1 through 5, with Priority 1 deficiencies being the most urgent.
eCOMET®	Energy and Condition Management Estimation Technology (eCOMET®) is Parsons proprietary facility asset management software developed to provide facility managers with a state of the art, web-based tool to develop and maintain a comprehensive database of FCA data and information used for facility asset management, maintenance and repair, and capital renewal planning. eCOMET® is used by Parsons and its clients as the primary tool for collecting FCA data, preparing cost estimates, generating individual facility reports and cost estimates, and developing the overall capital renewal program.

eCOMET® Cost Models	eCOMET® cost models are derived from RS Means Square Foot Cost Data cost models and these models are used to develop the current replacement value (CRV) and assign life cycle costs to the various systems within a building. Cost models are assigned current costs-per-square-foot to establish replacement values. The Cost models are designed to represent a client specific facility that meets local standards cost trends.
Element	Elements are the major components that comprise building systems as defined by UNIFORMAT II.
Expected Life	Also referred to as Useful Life. See Useful Life definition.
Facility	A facility refers to site(s), building(s), or building addition(s), or combinations thereof that provide a particular service or support of an educational purpose.
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 expressed as a percentage from 0.00% to 100.00% that is derived by dividing the cost to correct a facility's deficiencies by its Current Replacement Value (CRV). 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 renew those systems.
Gross Square Feet (GSF)	The area of the enclosed floor space of a building or building addition 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 of 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.
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 by year that indicates when the systems will need to be renewed 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 (100% + the Additional Cost Template percentage).
Unit Price (Raw)	The actual $/sq. ft cost being used for the building and systems. It will include adjustments for the City Cost Index applied to the facility.

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