

**DeKalb County School District/Admin/Support**

# **Panthersville Administrative**

**Final**

## **School Assessment Report**

**May 19, 2016**



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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):	5,205
Year Built:	1977
Last Renovation:	2013
Replacement Value:	\$2,981,495
Repair Cost:	\$2,552,864.88
Total FCI:	85.62 %
Total RSLI:	14.93 %
FCA Score:	14.38



### Description:

The Panthersville Administrative campus, former South Campus, consists of one main administrative building located at 2817 Clifton Springs Road in Decatur, Georgia. The original campus was constructed in 1977 and is now used as a bus depot. In addition to the main building, the site contains a control tower, storage shed, and fuel depot canopy. 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 5	Board District:	District 3
DOE Facility:	9007	Geographic Region:	Region 5
HS Attendance Area:	Cedar Grove HS	Jurisdictional City:	DeKalb County (Unincorporated)
Site Acreage:	18.4		

## 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.

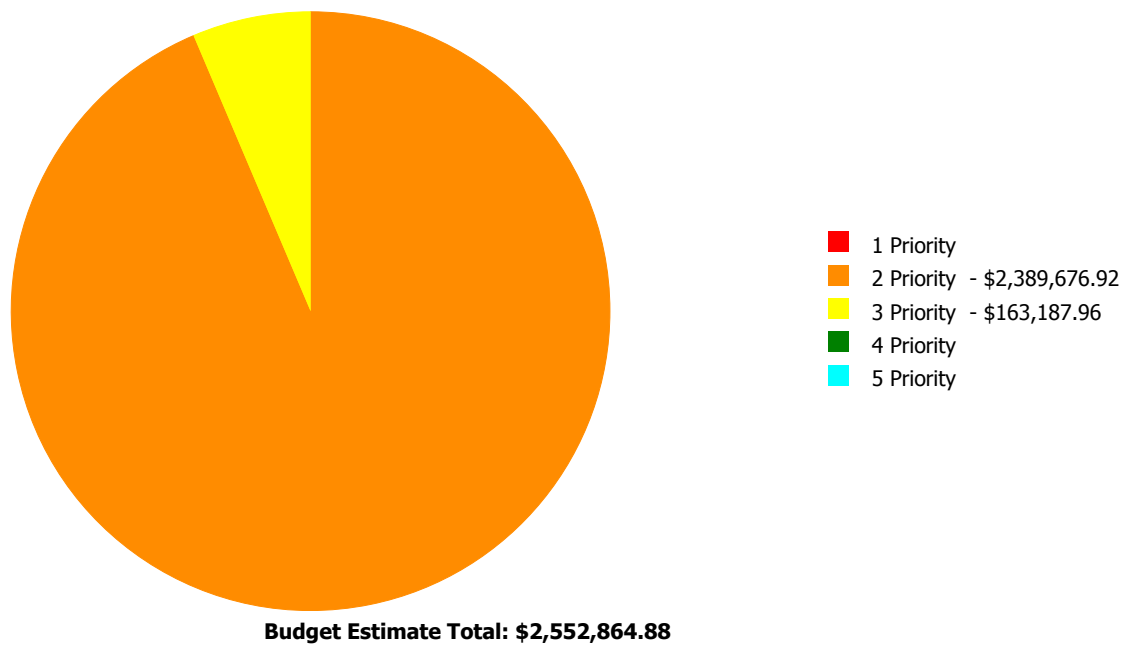
### Current Investment Requirement and Condition by Uniformat Classification

UNIFORMAT Classification	RSLI%	FCI %	Current Repair
A10 - Foundations	62.00 %	0.00 %	\$0.00
A20 - Basement Construction	0.00 %	0.00 %	\$0.00
B10 - Superstructure	62.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	28.61 %	32.70 %	\$45,729.10
B30 - Roofing	85.76 %	7.47 %	\$7,755.00
C10 - Interior Construction	10.64 %	59.35 %	\$37,908.00
C20 - Stairs	5.00 %	0.00 %	\$0.00
C30 - Interior Finishes	83.50 %	0.71 %	\$634.00
D10 - Conveying	0.00 %	0.00 %	\$0.00
D20 - Plumbing	67.91 %	0.00 %	\$0.00
D30 - HVAC	87.42 %	1.26 %	\$1,473.00
D40 - Fire Protection	0.00 %	0.00 %	\$0.00
D50 - Electrical	46.17 %	31.13 %	\$37,168.00
E10 - Equipment	0.00 %	0.00 %	\$0.00
E20 - Furnishings	0.00 %	0.00 %	\$0.00
G20 - Site Improvements	0.01 %	109.96 %	\$2,407,794.50
G30 - Site Mechanical Utilities	23.22 %	10.47 %	\$3,982.86
G40 - Site Electrical Utilities	12.13 %	54.40 %	\$10,420.42
<b>Totals:</b>	<b>14.93 %</b>	<b>85.62 %</b>	<b>\$2,552,864.88</b>

### Condition Deficiency Priority

Facility Name	Gross Area (S.F.)	FCI %	1 Priority	2 Priority	3 Priority	4 Priority	5 Priority
1977 Admin	4,676	14.40	\$0.00	\$0.00	\$99,271.00	\$0.00	\$0.00
1977 Control Tower	81	57.68	\$0.00	\$0.00	\$4,904.00	\$0.00	\$0.00
1977 Storage Building	448	71.92	\$0.00	\$0.00	\$26,492.10	\$0.00	\$0.00
Site	5,205	107.81	\$0.00	\$2,389,676.92	\$32,520.86	\$0.00	\$0.00
<b>Total:</b>		<b>85.62</b>	<b>\$0.00</b>	<b>\$2,389,676.92</b>	<b>\$163,187.96</b>	<b>\$0.00</b>	<b>\$0.00</b>

### Deficiencies By Priority



## 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:	Non School Site
Gross Area (SF):	4,676
Year Built:	1977
Last Renovation:	2013
Replacement Value:	\$689,354
Repair Cost:	\$99,271.00
Total FCI:	14.40 %
Total RSLI:	61.19 %
FCA Score:	85.60



### Description:

The main building at Panthersville Administrative is a one-story building located at 2817 Clifton Springs Road in Decatur, Georgia. There have been no additions and one renovation in 2013. 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:	8010	Fire Sprinkler System:	No
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## 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	62.00 %	0.00 %	\$0.00
A20 - Basement Construction	0.00 %	0.00 %	\$0.00
B10 - Superstructure	62.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	28.10 %	25.69 %	\$31,170.00
B30 - Roofing	92.00 %	0.00 %	\$0.00
C10 - Interior Construction	10.64 %	59.35 %	\$37,908.00
C20 - Stairs	0.00 %	0.00 %	\$0.00
C30 - Interior Finishes	84.04 %	0.00 %	\$0.00
D10 - Conveying	0.00 %	0.00 %	\$0.00
D20 - Plumbing	67.91 %	0.00 %	\$0.00
D30 - HVAC	88.43 %	0.00 %	\$0.00
D40 - Fire Protection	0.00 %	0.00 %	\$0.00
D50 - Electrical	49.40 %	27.10 %	\$30,193.00
E10 - Equipment	0.00 %	0.00 %	\$0.00
E20 - Furnishings	0.00 %	0.00 %	\$0.00
<b>Totals:</b>	<b>61.19 %</b>	<b>14.40 %</b>	<b>\$99,271.00</b>



## Photo Album

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

1). West Elevation - May 05, 2015



2). South Elevation - May 05, 2015



3). North Elevation - May 05, 2015



4). East Elevation - May 05, 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	\$2.95	S.F.	4,676	100	1977	2077		62.00 %	0.00 %	62			\$13,794
A1020	Special Foundations	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A1030	Slab on Grade	\$2.15	S.F.	4,676	100	1977	2077		62.00 %	0.00 %	62			\$10,053
A2010	Basement Excavation	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A2020	Basement Walls	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
B1010	Floor Construction	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
B1020	Roof Construction	\$2.76	S.F.	4,676	100	1977	2077		62.00 %	0.00 %	62			\$12,906
B2010	Exterior Walls	\$19.89	S.F.	4,676	60	1977	2037		36.67 %	0.00 %	22			\$93,006
B2020	Exterior Windows	\$4.89	S.F.	4,676	30	1977	2007		0.00 %	110.00 %	-8		\$25,152.00	\$22,866
B2030	Exterior Doors	\$1.17	S.F.	4,676	30	1977	2007		0.00 %	110.00 %	-8		\$6,018.00	\$5,471
B3010	Roof Coverings - BUR	\$20.70	S.F.	4,676	25	2013	2038		92.00 %	0.00 %	23			\$96,793
B3020	Roof Openings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C1010	Partitions	\$4.95	S.F.	4,676	40	1977	2017		5.00 %	0.00 %	2			\$23,146
C1020	Interior Doors	\$7.37	S.F.	4,676	30	1977	2007		0.00 %	110.00 %	-8		\$37,908.00	\$34,462
C1030	Fittings	\$1.34	S.F.	4,676	20	2013	2033		90.00 %	0.00 %	18			\$6,266
C2010	Stair Construction	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3010	Wall Finishes - Ceramic & Glazed	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3010	Wall Finishes - Paint	\$1.70	S.F.	4,676	10	2013	2023		80.00 %	0.00 %	8			\$7,949
C3010	Wall Finishes - Wall Coverings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - Carpet	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - Ceramic & Quarry Tile	\$12.65	S.F.	400	50	1977	2027		24.00 %	0.00 %	12			\$5,060
C3020	Floor Finishes - Terrazzo	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - VCT	\$8.28	S.F.	4,276	15	2013	2028		86.67 %	0.00 %	13			\$35,405
C3020	Floor Finishes - Wood	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3030	Ceiling Finishes	\$8.72	S.F.	4,676	20	2013	2033		90.00 %	0.00 %	18			\$40,775
D1010	Elevators and Lifts	\$0.00	S.F.		0	1977			0.00 %	0.00 %				\$0
D2010	Plumbing Fixtures	\$4.40	S.F.	4,676	30	2013	2043		93.33 %	0.00 %	28			\$20,574
D2020	Domestic Water Distribution	\$3.42	S.F.	4,676	30	2013	2043		93.33 %	0.00 %	28			\$15,992
D2030	Sanitary Waste	\$3.88	S.F.	4,676	30	1977	2007	2020	16.67 %	0.00 %	5			\$18,143
D2040	Rain Water Drainage	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2090	Other Plumbing Systems - Natural Gas	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3020	Heat Generating Systems	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3030	Cooling Generating Systems	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3040	Distribution Systems & Exhaust Systems	\$4.93	S.F.	4,676	30	2013	2043		93.33 %	0.00 %	28			\$23,053

## School Assessment Report - 1977 Admin

System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
D3050	Terminal & Package Units	\$16.53	S.F.	4,676	15	2013	2028		86.67 %	0.00 %	13			\$77,294
D3060	Controls & Instrumentation	\$3.19	S.F.	4,676	20	2013	2033		90.00 %	0.00 %	18			\$14,916
D3090	Other HVAC Systems/Equip - Kitchen Hood	\$0.00	S.F.		0	1977			0.00 %	0.00 %				\$0
D4010	Sprinklers	\$0.00	S.F.		0	1977			0.00 %	0.00 %				\$0
D4020	Standpipes	\$0.00	S.F.		0	1977			0.00 %	0.00 %				\$0
D5010	Electrical Service/Distribution	\$5.02	S.F.	4,676	40	1977	2017		5.00 %	0.00 %	2			\$23,474
D5020	Branch Wiring	\$5.87	S.F.	4,676	30	1977	2007		0.00 %	110.00 %	-8		\$30,193.00	\$27,448
D5020	Lighting	\$8.76	S.F.	4,676	30	2013	2043		93.33 %	0.00 %	28			\$40,962
D5030	Communications and Security - Fire Alarm	\$1.13	S.F.	4,676	10	2013	2023		80.00 %	0.00 %	8			\$5,284
D5030	Communications and Security - Phone	\$1.99	S.F.	4,676	10	2013	2023		80.00 %	0.00 %	8			\$9,305
D5030	Communications and Security - Security & CCTV	\$1.06	S.F.	4,676	10	2013	2023		80.00 %	0.00 %	8			\$4,957
D5090	Other Electrical Systems - Emergency Generator	\$0.00	S.F.		0	1977			0.00 %	0.00 %				\$0
E1010	Commercial Equipment	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
E2010	Fixed Furnishings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
<b>Total</b>									<b>61.19 %</b>	<b>14.40 %</b>			<b>\$99,271.00</b>	<b>\$689,354</b>

## 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
<b>Total:</b>	<b>\$99,271</b>	<b>\$0</b>	<b>\$54,405</b>	<b>\$0</b>	<b>\$0</b>	<b>\$23,136</b>	<b>\$0</b>	<b>\$0</b>	<b>\$38,312</b>	<b>\$0</b>	<b>\$0</b>	<b>\$215,124</b>
* 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	\$25,152	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,152
B2030 - Exterior Doors	\$6,018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,018
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
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	\$27,012	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,012
C1020 - Interior Doors	\$37,908	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,908
C1030 - Fittings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C20 - Stairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

## School Assessment Report - 1977 Admin

* 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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,077	\$0	\$0	\$11,077
C3010 - Wall Finishes - Wall Coverings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020 - Floor Finishes - Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0
D - Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D10 - Conveying	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D1010 - Elevators and Lifts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D20 - Plumbing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2010 - Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2020 - Domestic Water Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2030 - Sanitary Waste	\$0	\$0	\$0	\$0	\$0	\$23,136	\$0	\$0	\$0	\$0	\$0	\$23,136
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D3060 - Controls & Instrumentation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$27,393	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,393

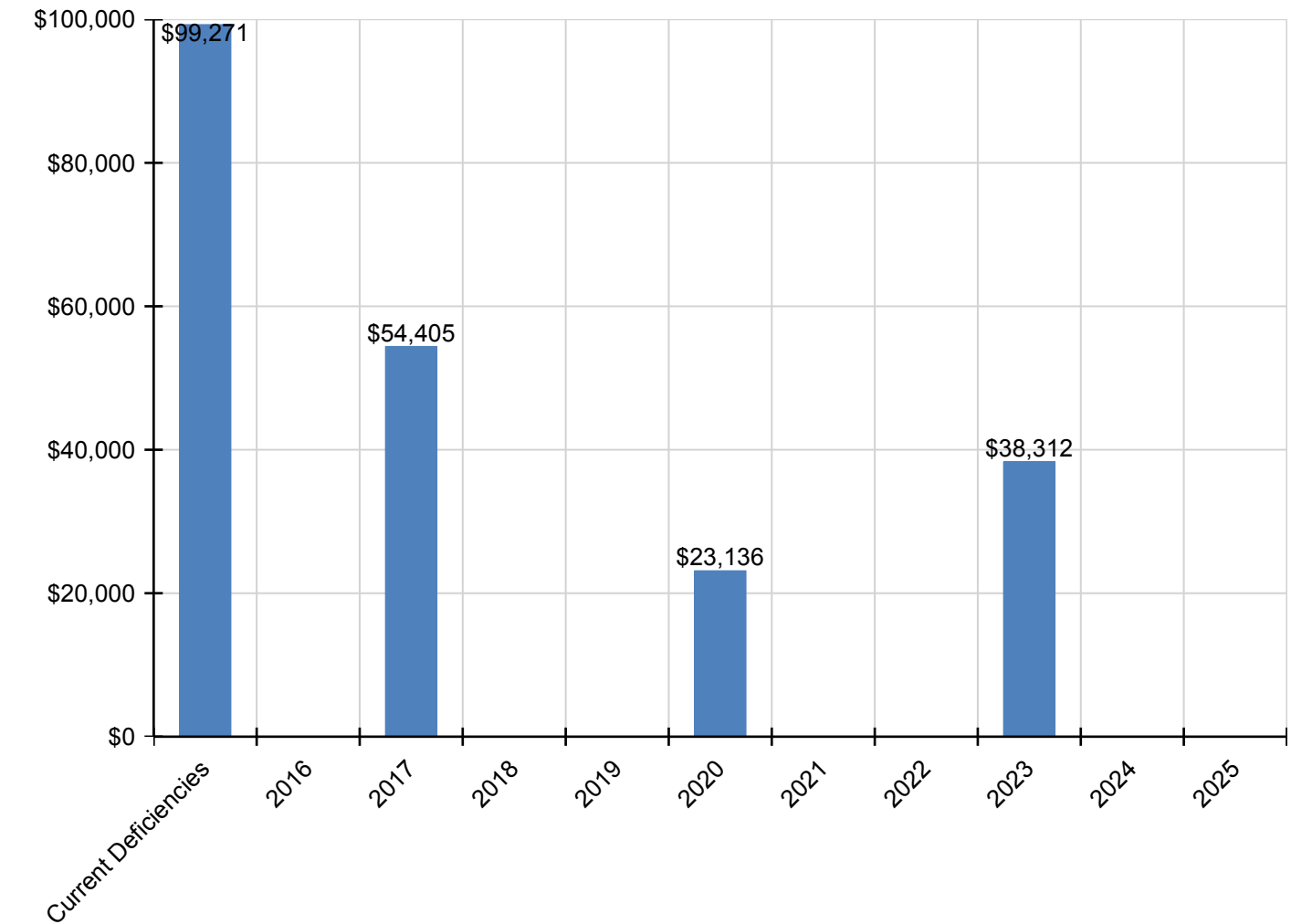
## School Assessment Report - 1977 Admin

D5020 - Branch Wiring	\$30,193	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,193
D5020 - Lighting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5030 - Communications and Security - Fire Alarm	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,362	\$0	\$7,362
D5030 - Communications and Security - Phone	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,967	\$0	\$12,967
D5030 - Communications and Security - Security & CCTV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,906	\$0	\$6,906
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
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

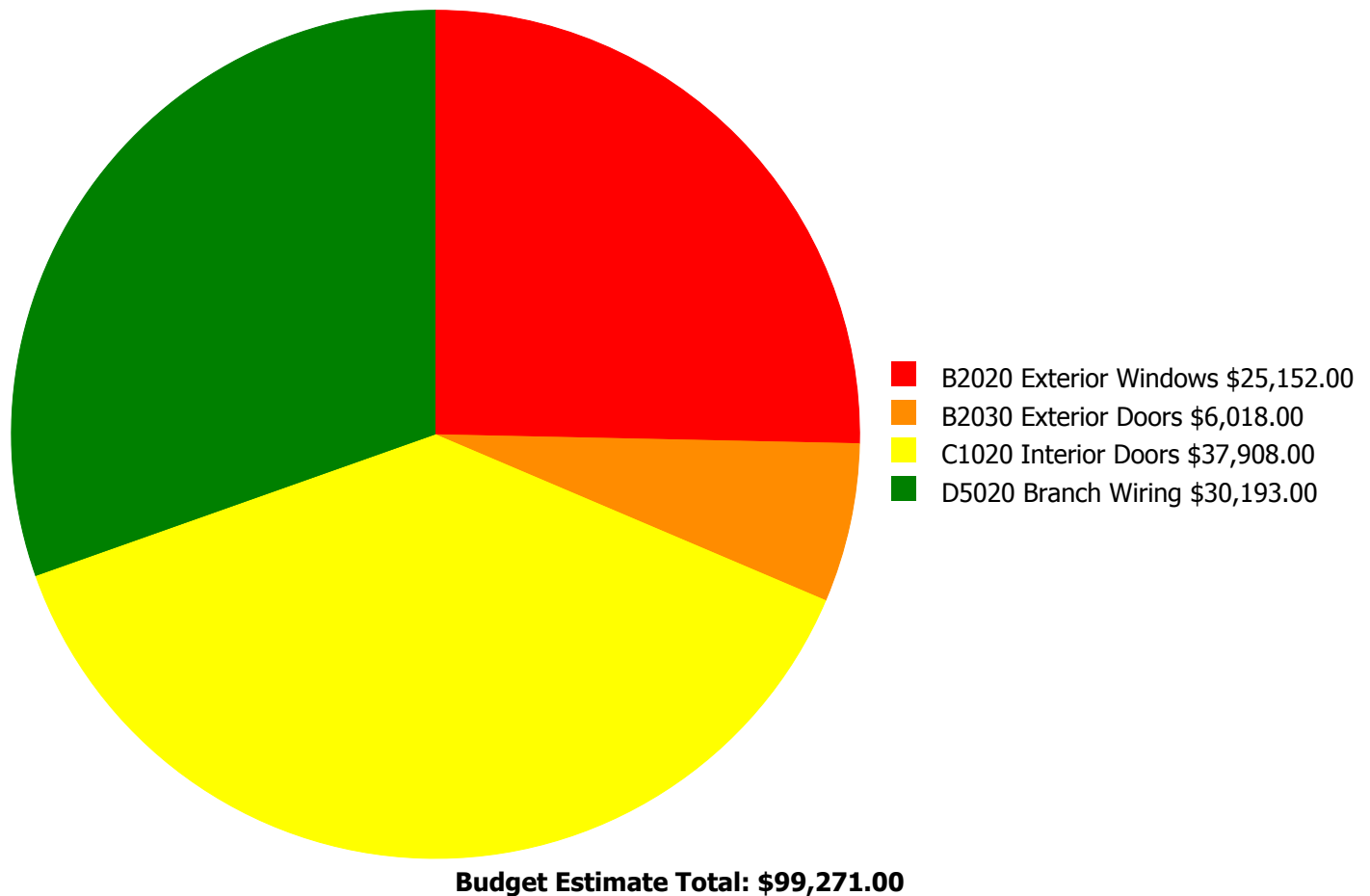
The following chart shows the current building deficiencies and the forecasted capital renewal (system replacement) requirements over the next ten years.





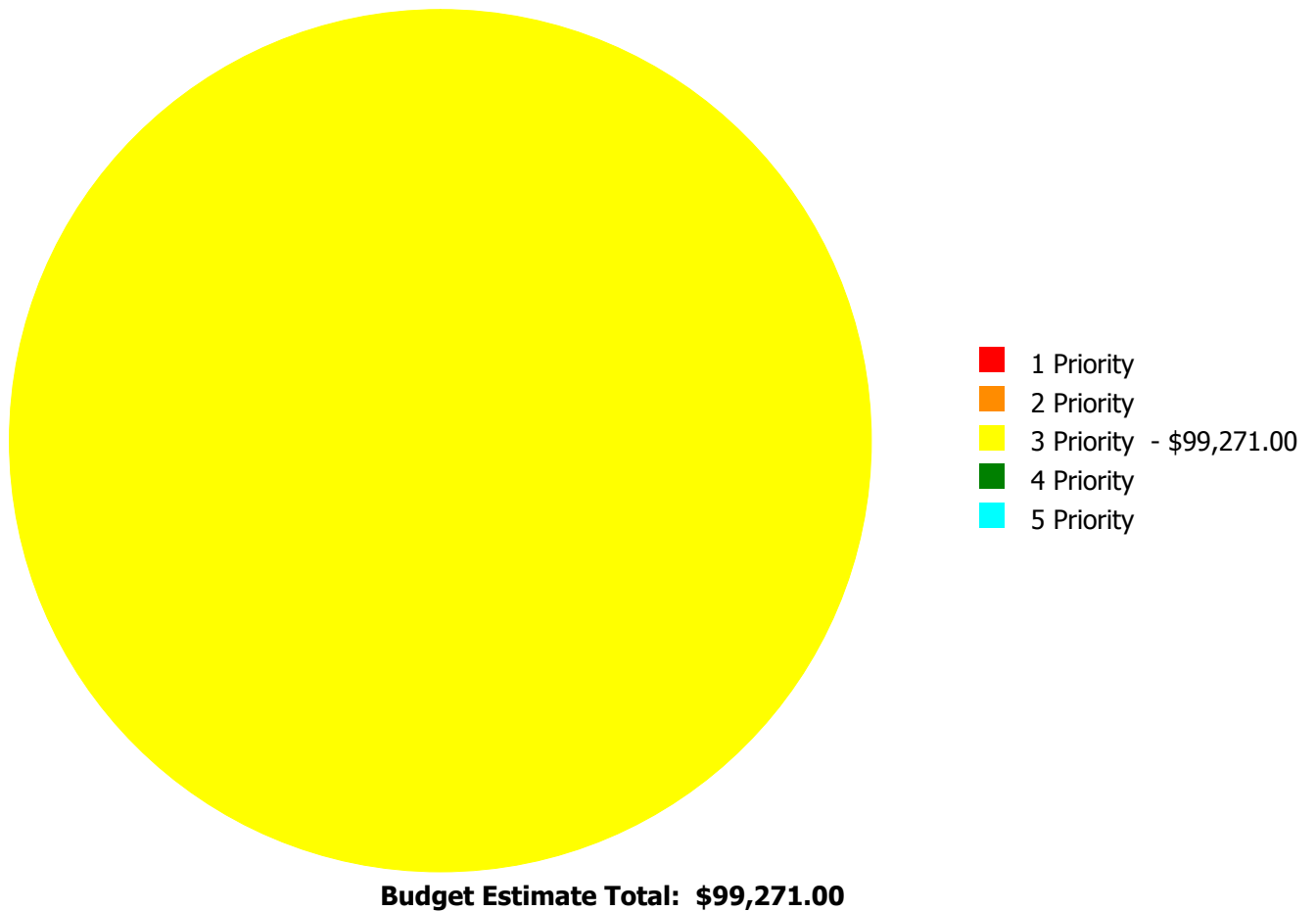
## Deficiency Summary by System

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.



## Deficiency Summary by Priority

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



## Deficiency By Priority Investment Table

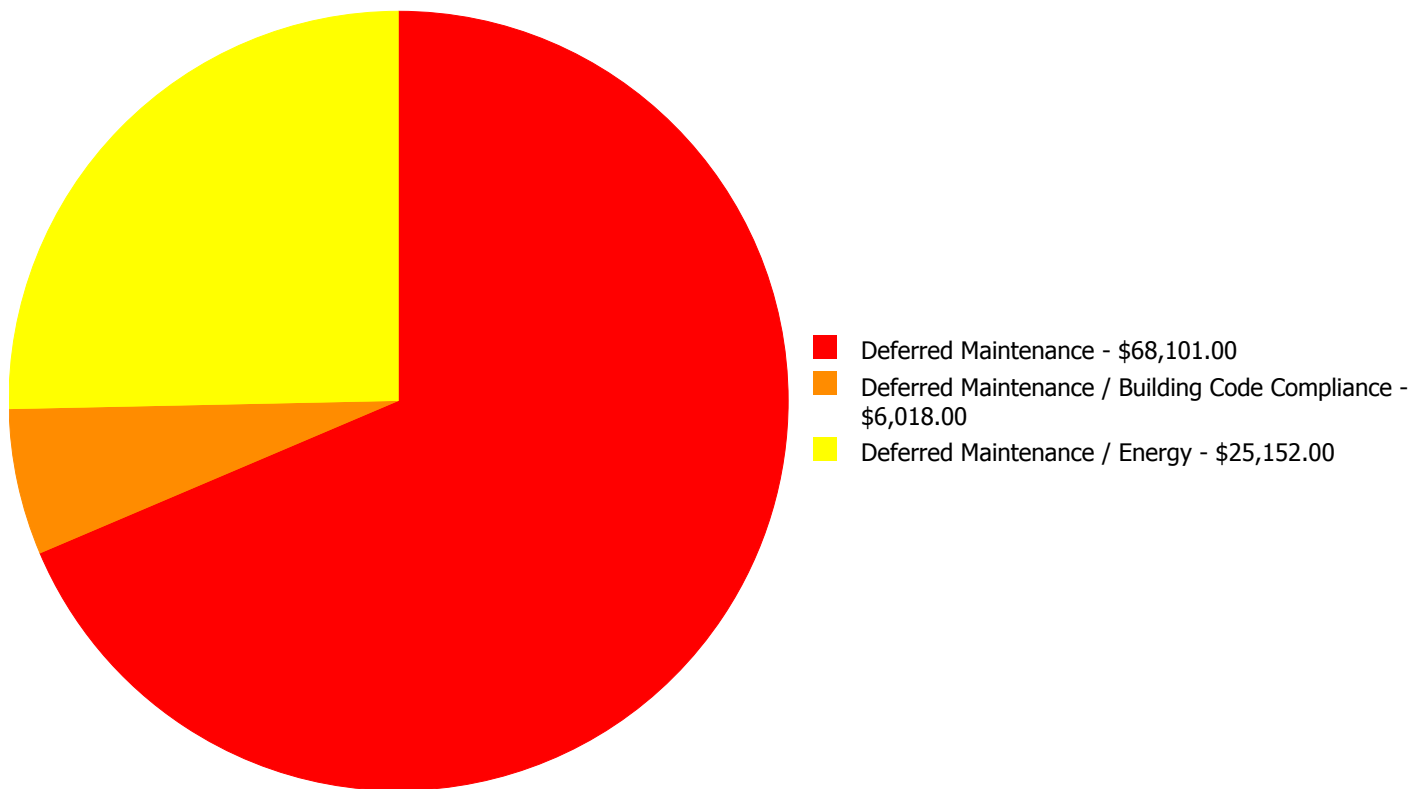
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **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
B2020	Exterior Windows	\$0.00	\$0.00	\$25,152.00	\$0.00	\$0.00	\$25,152.00
B2030	Exterior Doors	\$0.00	\$0.00	\$6,018.00	\$0.00	\$0.00	\$6,018.00
C1020	Interior Doors	\$0.00	\$0.00	\$37,908.00	\$0.00	\$0.00	\$37,908.00
D5020	Branch Wiring	\$0.00	\$0.00	\$30,193.00	\$0.00	\$0.00	\$30,193.00
	<b>Total:</b>	\$0.00	\$0.00	\$99,271.00	\$0.00	\$0.00	\$99,271.00

## Deficiency Summary by Category

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



**Budget Estimate Total: \$99,271.00**

## Deficiency Details by Priority

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

### Priority 3 Priority:

#### System: B2020 - Exterior Windows



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance / Energy

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 4,676.00

**Unit of Measure:** S.F.

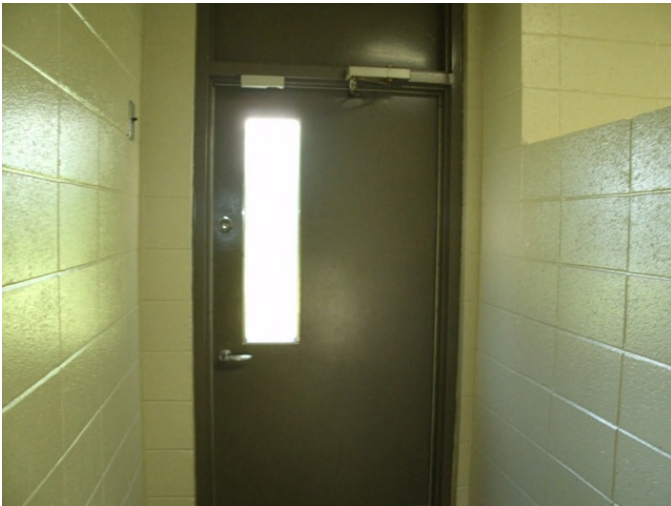
**Estimate:** \$25,152.00

**Assessor Name:** Ben Nixon

**Date Created:** 05/14/2015

**Notes:** The exterior windows are beyond their expected service life and should be scheduled for replacement.

#### System: B2030 - Exterior Doors



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance / Building Code Compliance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 4,676.00

**Unit of Measure:** S.F.

**Estimate:** \$6,018.00

**Assessor Name:** Ben Nixon

**Date Created:** 05/14/2015

**Notes:** The exterior doors are beyond their expected service life, do not have emergency egress hardware, and should be scheduled for replacement.

**System: C1020 - Interior Doors**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 4,676.00

**Unit of Measure:** S.F.

**Estimate:** \$37,908.00

**Assessor Name:** Ben Nixon

**Date Created:** 05/14/2015

**Notes:** The interior doors are beyond their expected service life and should be scheduled for replacement.

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**System: D5020 - Branch Wiring**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 4,676.00

**Unit of Measure:** S.F.

**Estimate:** \$30,193.00

**Assessor Name:** Ben Nixon

**Date Created:** 05/14/2015

**Notes:** Branch wiring is beyond its expected service life and should be scheduled for replacement.

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## 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:	Non School Site
Gross Area (SF):	81
Year Built:	1977
Last Renovation:	
Replacement Value:	\$8,502
Repair Cost:	\$4,904.00
Total FCI:	57.68 %
Total RSLI:	18.73 %
FCA Score:	42.32



### Description:

The 1977 control tower at Panthersville Administrative is a two-story building located at 2817 Clifton Springs Road in Decatur, Georgia. There have been no additions and no 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:	8020	Fire Sprinkler System:	No
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## 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	62.00 %	0.00 %	\$0.00
A20 - Basement Construction	0.00 %	0.00 %	\$0.00
B10 - Superstructure	62.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	28.10 %	25.69 %	\$540.00
B30 - Roofing	0.00 %	110.16 %	\$683.00
C10 - Interior Construction	0.00 %	0.00 %	\$0.00
C20 - Stairs	5.00 %	0.00 %	\$0.00
C30 - Interior Finishes	0.00 %	109.69 %	\$634.00
D10 - Conveying	0.00 %	0.00 %	\$0.00
D20 - Plumbing	0.00 %	0.00 %	\$0.00
D30 - HVAC	0.00 %	110.01 %	\$1,473.00
D40 - Fire Protection	0.00 %	0.00 %	\$0.00
D50 - Electrical	1.11 %	85.64 %	\$1,574.00
E10 - Equipment	0.00 %	0.00 %	\$0.00
E20 - Furnishings	0.00 %	0.00 %	\$0.00
<b>Totals:</b>	<b>18.74 %</b>	<b>57.68 %</b>	<b>\$4,904.00</b>



### Photo Album

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

1). West Elevation - May 05, 2015



2). South Elevation - May 05, 2015



3). North Elevation - May 05, 2015



4). East Elevation - May 05, 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.

## School Assessment Report - 1977 Control Tower

### System Listing

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

System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
A1010	Standard Foundations	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A1020	Special Foundations	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A1030	Slab on Grade	\$2.15	S.F.	81	100	1977	2077		62.00 %	0.00 %	62			\$174
A2010	Basement Excavation	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A2020	Basement Walls	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
B1010	Floor Construction	\$14.16	S.F.	81	100	1977	2077		62.00 %	0.00 %	62			\$1,147
B1020	Roof Construction	\$2.76	S.F.	81	100	1977	2077		62.00 %	0.00 %	62			\$224
B2010	Exterior Walls	\$19.89	S.F.	81	60	1977	2037		36.67 %	0.00 %	22			\$1,611
B2020	Exterior Windows	\$4.89	S.F.	81	30	1977	2007		0.00 %	110.10 %	-8		\$436.00	\$396
B2030	Exterior Doors	\$1.17	S.F.	81	30	1977	2007		0.00 %	109.47 %	-8		\$104.00	\$95
B3010	Roof Coverings - Asphalt Shingles	\$7.66	S.F.	81	20	1977	1997		0.00 %	110.16 %	-18		\$683.00	\$620
B3020	Roof Openings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C1010	Partitions	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C1020	Interior Doors	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C1030	Fittings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C2010	Stair Construction	\$5.93	S.F.	81	40	1977	2017		5.00 %	0.00 %	2			\$480
C3010	Wall Finishes - Ceramic & Glazed	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3010	Wall Finishes - Paint	\$1.70	S.F.	81	10	1977	1987		0.00 %	109.42 %	-28		\$151.00	\$138
C3010	Wall Finishes - Wall Coverings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - Carpet	\$3.73	S.F.	81	8	1977	1985		0.00 %	109.93 %	-30		\$332.00	\$302
C3020	Floor Finishes - Ceramic & Quarry Tile	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - Terrazzo	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - VCT	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes - Wood	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3030	Ceiling Finishes	\$1.70	S.F.	81	20	1977	1997		0.00 %	109.42 %	-18		\$151.00	\$138
D1010	Elevators and Lifts	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2010	Plumbing Fixtures	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2020	Domestic Water Distribution	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2030	Sanitary Waste	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2040	Rain Water Drainage	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2090	Other Plumbing Systems - Natural Gas	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3020	Heat Generating Systems	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3030	Cooling Generating Systems	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3040	Distribution Systems & Exhaust Systems	\$0.00	S.F.		0				0.00 %	0.00 %				\$0

# School Assessment Report - 1977 Control Tower

System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
D3050	Terminal & Package Units	\$16.53	S.F.	81	15	1977	1992		0.00 %	110.01 %	-23		\$1,473.00	\$1,339
D3060	Controls & Instrumentation	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D3090	Other HVAC Systems/Equip - Kitchen Hood	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D4010	Sprinklers	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D4020	Standpipes	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D5010	Electrical Service/Distribution	\$5.02	S.F.	81	40	1977	2017		5.00 %	0.00 %	2			\$407
D5020	Branch Wiring	\$5.87	S.F.	81	30	1977	2007		0.00 %	110.11 %	-8		\$523.00	\$475
D5020	Lighting	\$8.76	S.F.	81	30	1977	2007		0.00 %	110.00 %	-8		\$781.00	\$710
D5030	Communications and Security - PA System	\$1.97	S.F.	81	10	1977	1987		0.00 %	110.00 %	-28		\$176.00	\$160
D5030	Communications and Security - Security & CCTV	\$1.06	S.F.	81	10	1977	1987		0.00 %	109.30 %	-28		\$94.00	\$86
D5090	Other Electrical Systems - Emergency Generator	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
E1010	Commercial Equipment	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
E2010	Fixed Furnishings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
<b>Total</b>									<b>18.74 %</b>	<b>57.68 %</b>			<b>\$4,904.00</b>	<b>\$8,502</b>

## 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
<b>Total:</b>	<b>\$4,904</b>	<b>\$0</b>	<b>\$474</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$421</b>	<b>\$0</b>	<b>\$566</b>	<b>\$6,365</b>
* 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	\$436	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$436
B2030 - Exterior Doors	\$104	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104
B30 - Roofing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B3010 - Roof Coverings - Asphalt Shingles	\$683	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$683
B3020 - Roof Openings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C - Interiors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C10 - Interior Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C1010 - Partitions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C1020 - Interior Doors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C1030 - Fittings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C20 - Stairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

## School Assessment Report - 1977 Control Tower

* 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	\$151	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$203	\$354
C3010 - Wall Finishes - Wall Coverings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020 - Floor Finishes - Carpet	\$332	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$421	\$0	\$0	\$753
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3020 - Floor Finishes - Wood	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C3030 - Ceiling Finishes	\$151	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$151
D - Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D10 - Conveying	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D1010 - Elevators and Lifts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D20 - Plumbing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2010 - Plumbing Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2020 - Domestic Water Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2030 - Sanitary Waste	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2040 - Rain Water Drainage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$1,473	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,473
D3060 - Controls & Instrumentation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$474	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$474

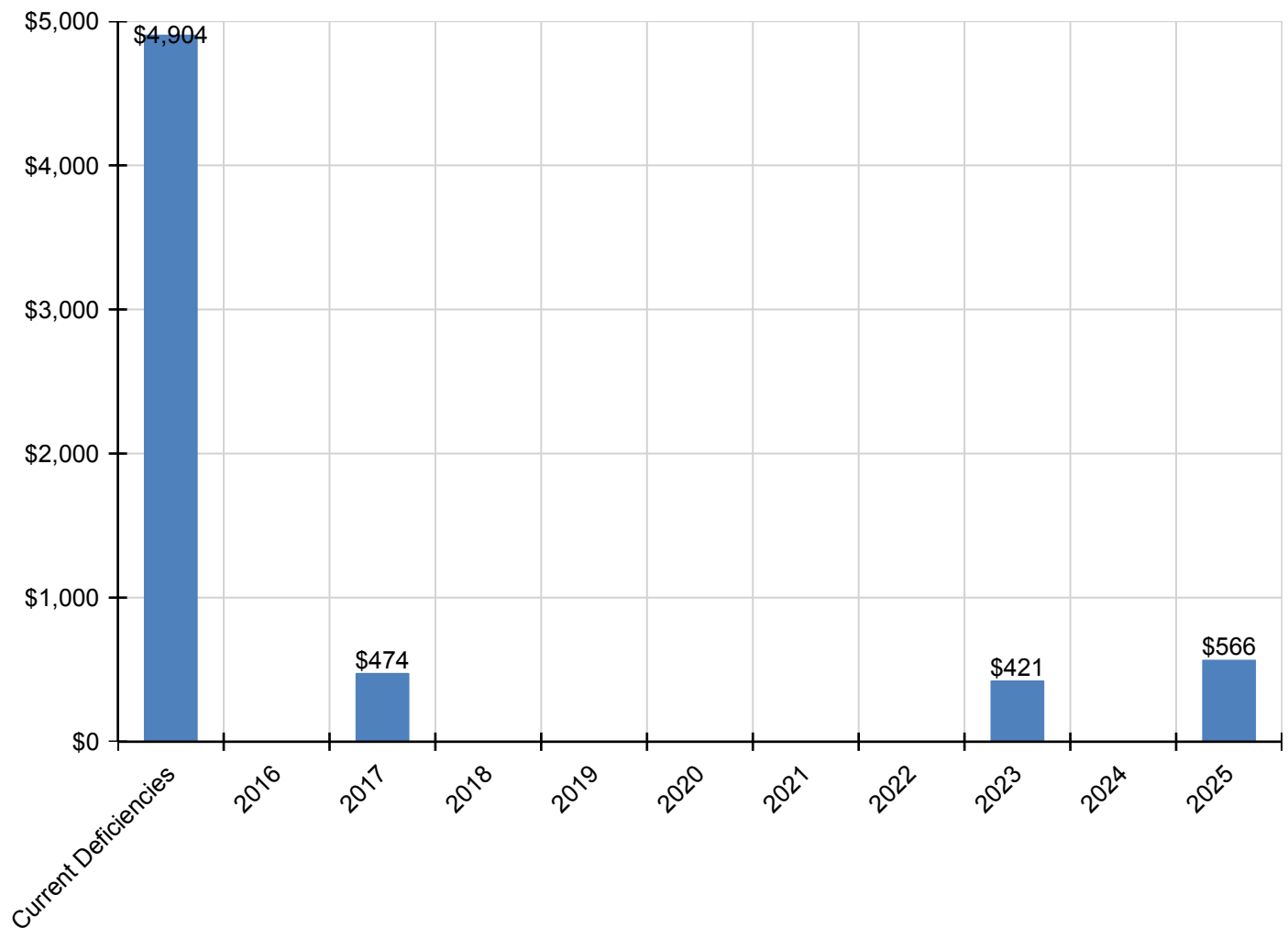
## School Assessment Report - 1977 Control Tower

D5020 - Branch Wiring	\$523	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$523
D5020 - Lighting	\$781	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$781
D5030 - Communications and Security - PA System	\$176	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$237	\$413
D5030 - Communications and Security - Security & CCTV	\$94	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126	\$220
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
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

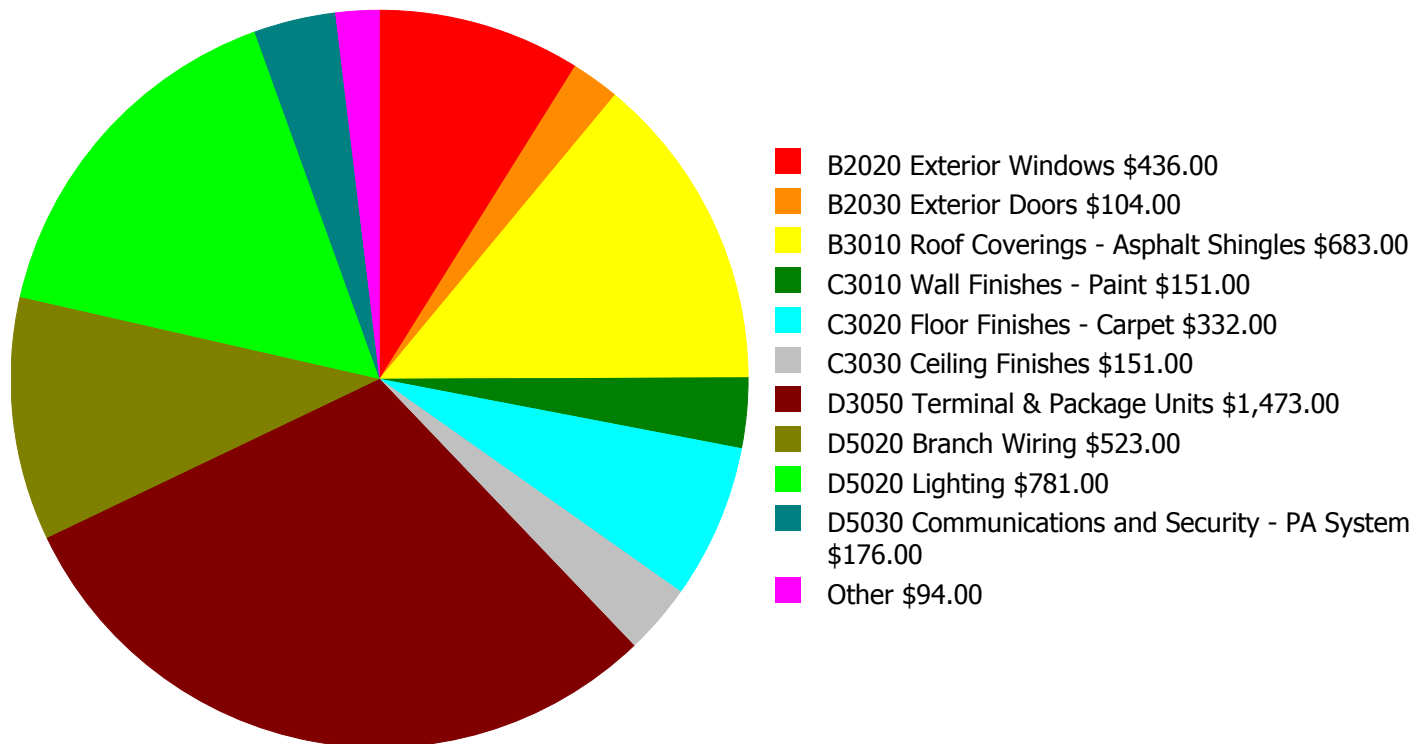
The following chart shows the current building deficiencies and the forecasted capital renewal (system replacement) requirements over the next ten years.





## Deficiency Summary by System

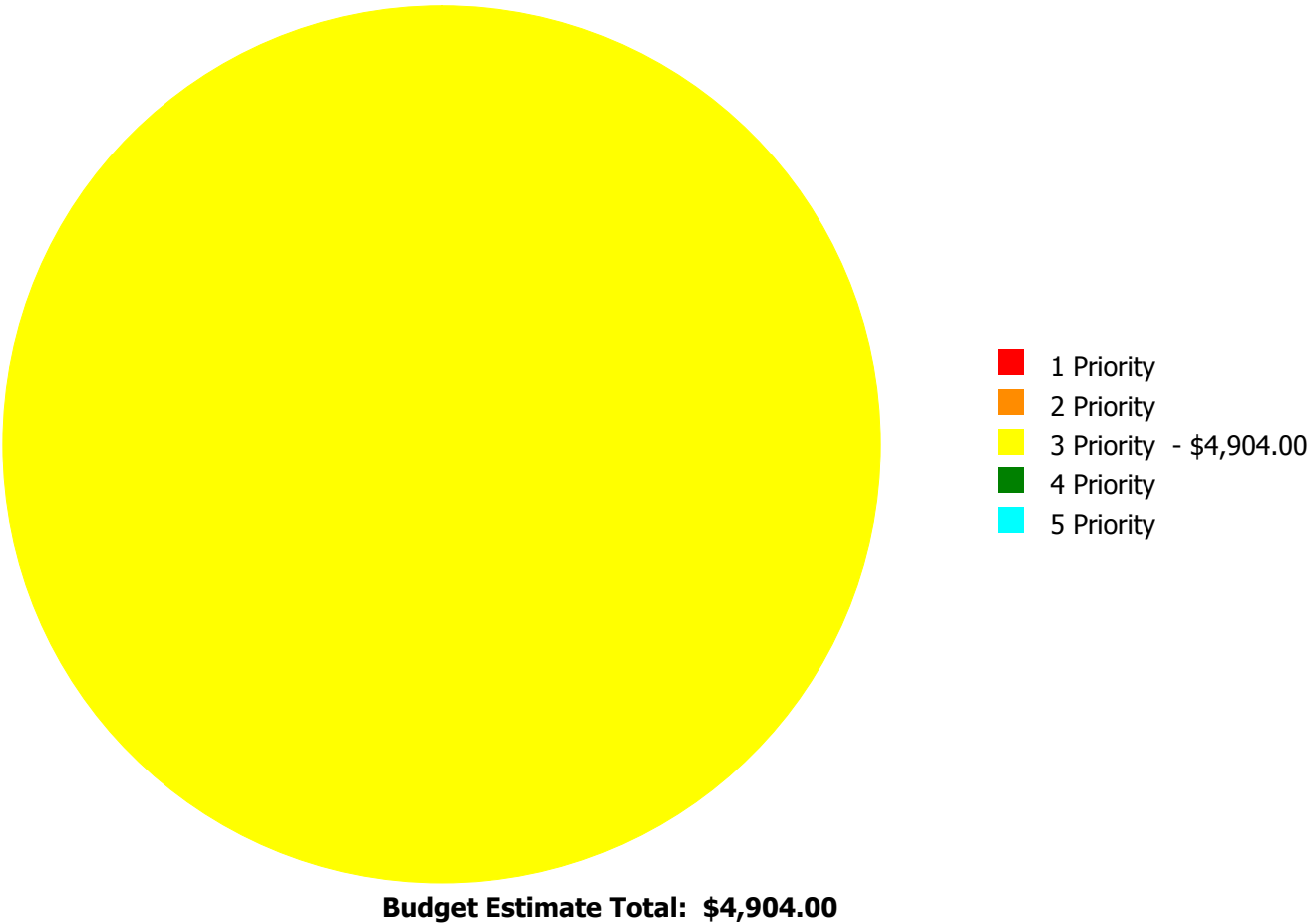
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart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



**Budget Estimate Total: \$4,904.00**

Deficiency Summary by Priority

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



## Deficiency By Priority Investment Table

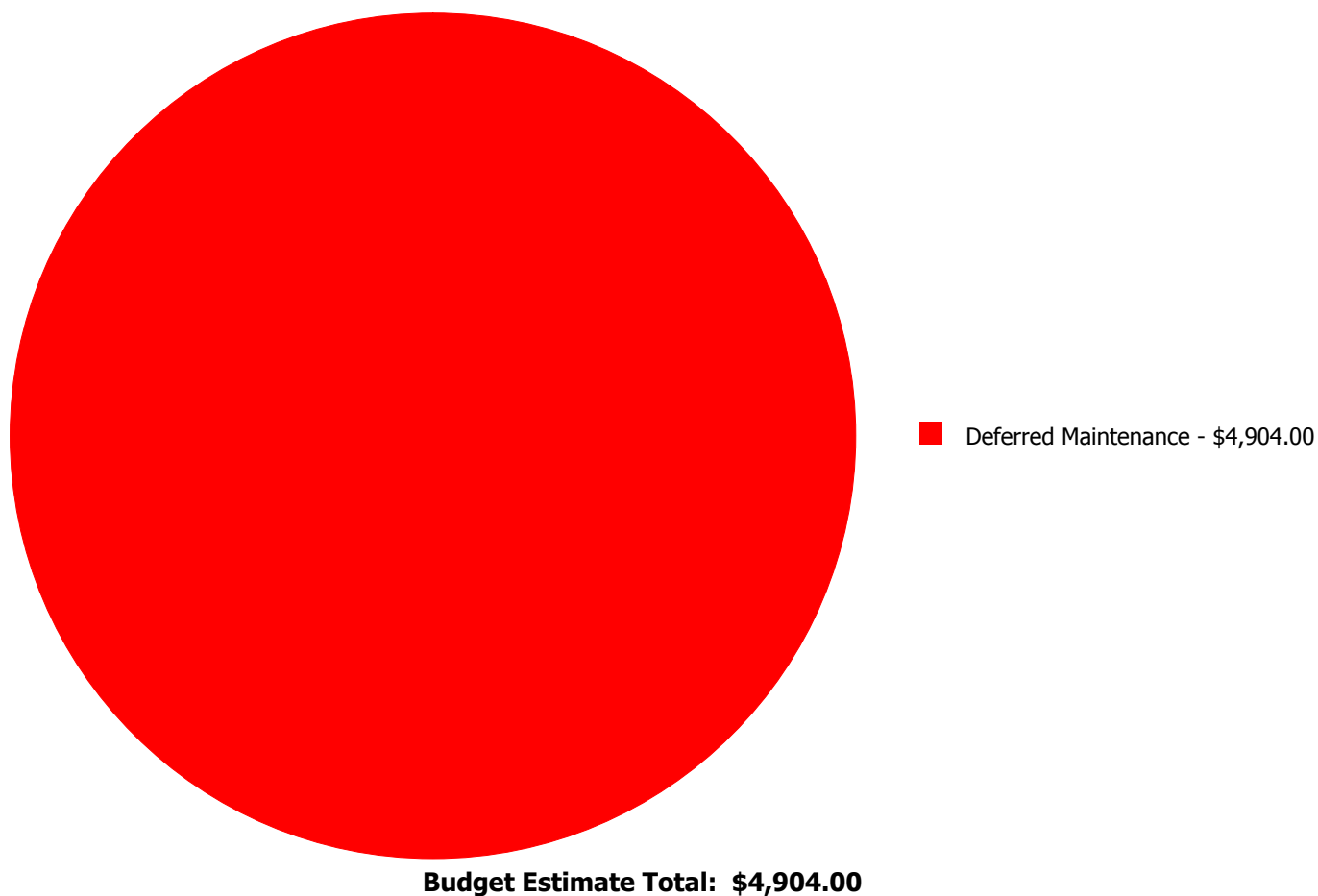
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **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
B2020	Exterior Windows	\$0.00	\$0.00	\$436.00	\$0.00	\$0.00	\$436.00
B2030	Exterior Doors	\$0.00	\$0.00	\$104.00	\$0.00	\$0.00	\$104.00
B3010	Roof Coverings - Asphalt Shingles	\$0.00	\$0.00	\$683.00	\$0.00	\$0.00	\$683.00
C3010	Wall Finishes - Paint	\$0.00	\$0.00	\$151.00	\$0.00	\$0.00	\$151.00
C3020	Floor Finishes - Carpet	\$0.00	\$0.00	\$332.00	\$0.00	\$0.00	\$332.00
C3030	Ceiling Finishes	\$0.00	\$0.00	\$151.00	\$0.00	\$0.00	\$151.00
D3050	Terminal & Package Units	\$0.00	\$0.00	\$1,473.00	\$0.00	\$0.00	\$1,473.00
D5020	Branch Wiring	\$0.00	\$0.00	\$523.00	\$0.00	\$0.00	\$523.00
D5020	Lighting	\$0.00	\$0.00	\$781.00	\$0.00	\$0.00	\$781.00
D5030	Communications and Security - PA System	\$0.00	\$0.00	\$176.00	\$0.00	\$0.00	\$176.00
D5030	Communications and Security - Security & CCTV	\$0.00	\$0.00	\$94.00	\$0.00	\$0.00	\$94.00
	<b>Total:</b>	\$0.00	\$0.00	\$4,904.00	\$0.00	\$0.00	\$4,904.00

## Deficiency Summary by Category

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



## Deficiency Details by Priority

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

### Priority 3 Priority:

#### System: B2020 - Exterior Windows



**Location:** Exterior Walls

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$436.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The exterior windows are beyond their service life and should be scheduled for replacement.

---

#### System: B2030 - Exterior Doors



**Location:** Exterior Wall

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$104.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The exterior doors are beyond their service life and should be scheduled for replacement.

---

## School Assessment Report - 1977 Control Tower

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### **System: B3010 - Roof Coverings - Asphalt Shingles**



**Location:** Roof

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$683.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The asphalt shingles are showing signs of wear and should be scheduled for replacement.

---

### **System: C3010 - Wall Finishes - Paint**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$151.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The walls should be repainted.

---

**System: C3020 - Floor Finishes - Carpet**



**Location:** Throughout Building  
**Distress:** Beyond Service Life  
**Category:** Deferred Maintenance  
**Priority:** 3 Priority  
**Correction:** Renew System  
**Qty:** 81.00  
**Unit of Measure:** S.F.  
**Estimate:** \$332.00  
**Assessor Name:** Eduardo Lopez  
**Date Created:** 05/04/2015

**Notes:** The carpet is beyond its service life and should be scheduled for replacement.

---

**System: C3030 - Ceiling Finishes**



**Location:** Throughout Building  
**Distress:** Beyond Service Life  
**Category:** Deferred Maintenance  
**Priority:** 3 Priority  
**Correction:** Renew System  
**Qty:** 81.00  
**Unit of Measure:** S.F.  
**Estimate:** \$151.00  
**Assessor Name:** Eduardo Lopez  
**Date Created:** 05/04/2015

**Notes:** The ceiling should be repainted.

---



**System: D3050 - Terminal & Package Units**



**Location:** Second Floor, Exterior Wall

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$1,473.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The window unit is beyond its expected service life and should be scheduled for replacement.

---

**System: D5020 - Branch Wiring**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$523.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/14/2015

**Notes:** The lighting and branch wiring system is beyond its expected service life and should be scheduled for replacement.

---



**System: D5020 - Lighting**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$781.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** Lighting is beyond its service life and should be scheduled for replacement.

---

**System: D5030 - Communications and Security - PA System**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$176.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 08/28/2015

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

---

**System: D5030 - Communications and Security - Security & CCTV**



**Location:** Exterior Wall

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 81.00

**Unit of Measure:** S.F.

**Estimate:** \$94.00

**Assessor Name:** Eduardo Lopez

**Date Created:** 08/28/2015

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

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## 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:	Non School Site
Gross Area (SF):	448
Year Built:	1977
Last Renovation:	
Replacement Value:	\$36,835
Repair Cost:	\$26,492.10
Total FCI:	71.92 %
Total RSLI:	27.87 %
FCA Score:	28.08



### Description:

The 1977 storage building at Panthersville Administrative is located at 2817 Clifton Springs Road in Decatur, Georgia. There have been no additions and no 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:	Fire Sprinkler System:	No
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## 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	62.00 %	0.00 %	\$0.00
A20 - Basement Construction	0.00 %	0.00 %	\$0.00
B10 - Superstructure	62.00 %	0.00 %	\$0.00
B20 - Exterior Enclosure	32.42 %	85.40 %	\$14,019.10
B30 - Roofing	0.00 %	110.00 %	\$7,072.00
C10 - Interior Construction	0.00 %	0.00 %	\$0.00
C30 - Interior Finishes	0.00 %	0.00 %	\$0.00
D20 - Plumbing	0.00 %	0.00 %	\$0.00
D50 - Electrical	0.99 %	88.32 %	\$5,401.00
<b>Totals:</b>	<b>27.87 %</b>	<b>71.92 %</b>	<b>\$26,492.10</b>

### Photo Album

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

1). West Elevation - May 05, 2015



2). Northwest Elevation - May 05, 2015



3). Southwest Elevation - May 05, 2015



4). Southeast Elevation - May 05, 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.

## School Assessment Report - 1977 Storage Building

### System Listing

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

System Code	System Description	Unit Price \$	UoM	Qty	Life	Year Installed	Calc Next Renewal Year	Next Renewal Year	RSLI%	FCI%	RSL	eCR	Deficiency \$	Replacement Value \$
A1010	Standard Foundations	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A1030	Slab on Grade	\$3.27	S.F.	448	100	1977	2077		62.00 %	0.00 %	62			\$1,465
A2010	Basement Excavation	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
A2020	Basement Walls	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
B1020	Roof Construction	\$14.31	S.F.	448	100	1977	2077		62.00 %	0.00 %	62			\$6,411
B2010	Exterior Walls	\$32.40	S.F.	448	60	1977	2037		36.67 %	82.19 %	22		\$11,930.10	\$14,515
B2020	Exterior Windows	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
B2030	Exterior Doors	\$4.24	S.F.	448	30	1977	2007		0.00 %	109.95 %	-8		\$2,089.00	\$1,900
B3010	Roof Coverings	\$14.35	S.F.	448	25	1977	2002		0.00 %	110.00 %	-13		\$7,072.00	\$6,429
C1010	Partitions	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C1020	Interior Doors	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C1030	Fittings	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3010	Wall Finishes	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3020	Floor Finishes	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
C3030	Ceiling Finishes	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D2040	Rain Water Drainage	\$0.00	S.F.		0				0.00 %	0.00 %				\$0
D5010	Electrical Service/Distribution	\$2.69	S.F.	448	40	1977	2017		5.00 %	0.00 %	2			\$1,205
D5020	Lighting and Branch Wiring	\$10.96	S.F.	448	30	1977	2007		0.00 %	110.00 %	-8		\$5,401.00	\$4,910
<b>Total</b>									<b>27.87 %</b>	<b>71.92 %</b>			<b>\$26,492.10</b>	<b>\$36,835</b>

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%*



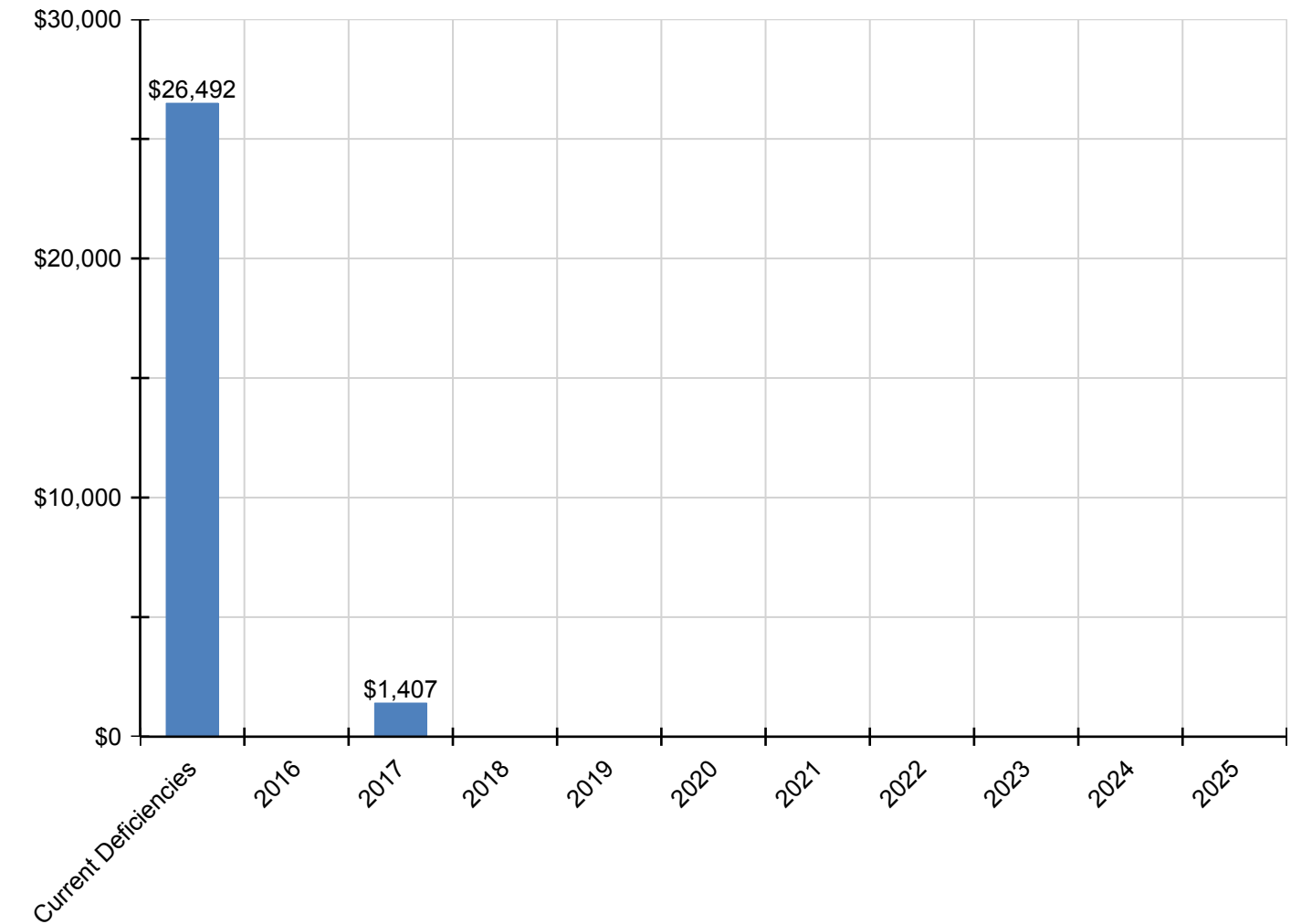
# School Assessment Report - 1977 Storage Building

System	Current Deficiencies	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
<b>Total:</b>	<b>\$26,492</b>	<b>\$0</b>	<b>\$1,407</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$27,899</b>
<b>* A - Substructure</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* A10 - Foundations</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* A1010 - Standard Foundations</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* A1030 - Slab on Grade</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* A20 - Basement Construction</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* A2010 - Basement Excavation</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* A2020 - Basement Walls</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B - Shell</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B10 - Superstructure</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* B1020 - Roof Construction</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B20 - Exterior Enclosure</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>* B2010 - Exterior Walls</b>	\$11,930	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,930
<b>B2020 - Exterior Windows</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B2030 - Exterior Doors</b>	\$2,089	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,089
<b>B30 - Roofing</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>B3010 - Roof Coverings</b>	\$7,072	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,072
<b>C - Interiors</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C10 - Interior Construction</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C1010 - Partitions</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C1020 - Interior Doors</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C1030 - Fittings</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C30 - Interior Finishes</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C3010 - Wall Finishes</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C3020 - Floor Finishes</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C3030 - Ceiling Finishes</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D - Services</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D20 - Plumbing</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D2040 - Rain Water Drainage</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D50 - Electrical</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>D5010 - Electrical Service/Distribution</b>	\$0	\$0	\$1,407	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,407
<b>D5020 - Lighting and Branch Wiring</b>	\$5,401	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,401

*\* Indicates non-renewable system*

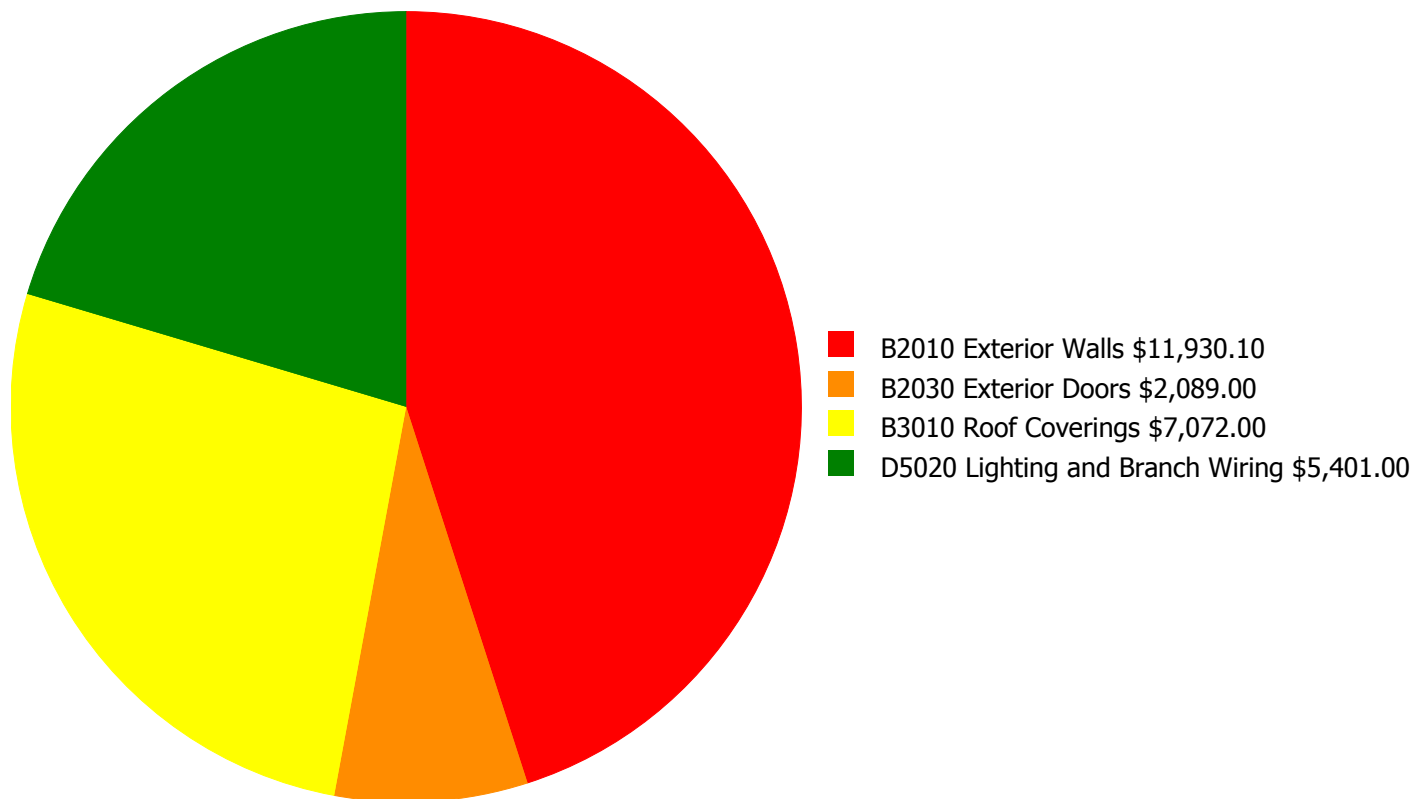
Forecasted Capital Renewal Requirement

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

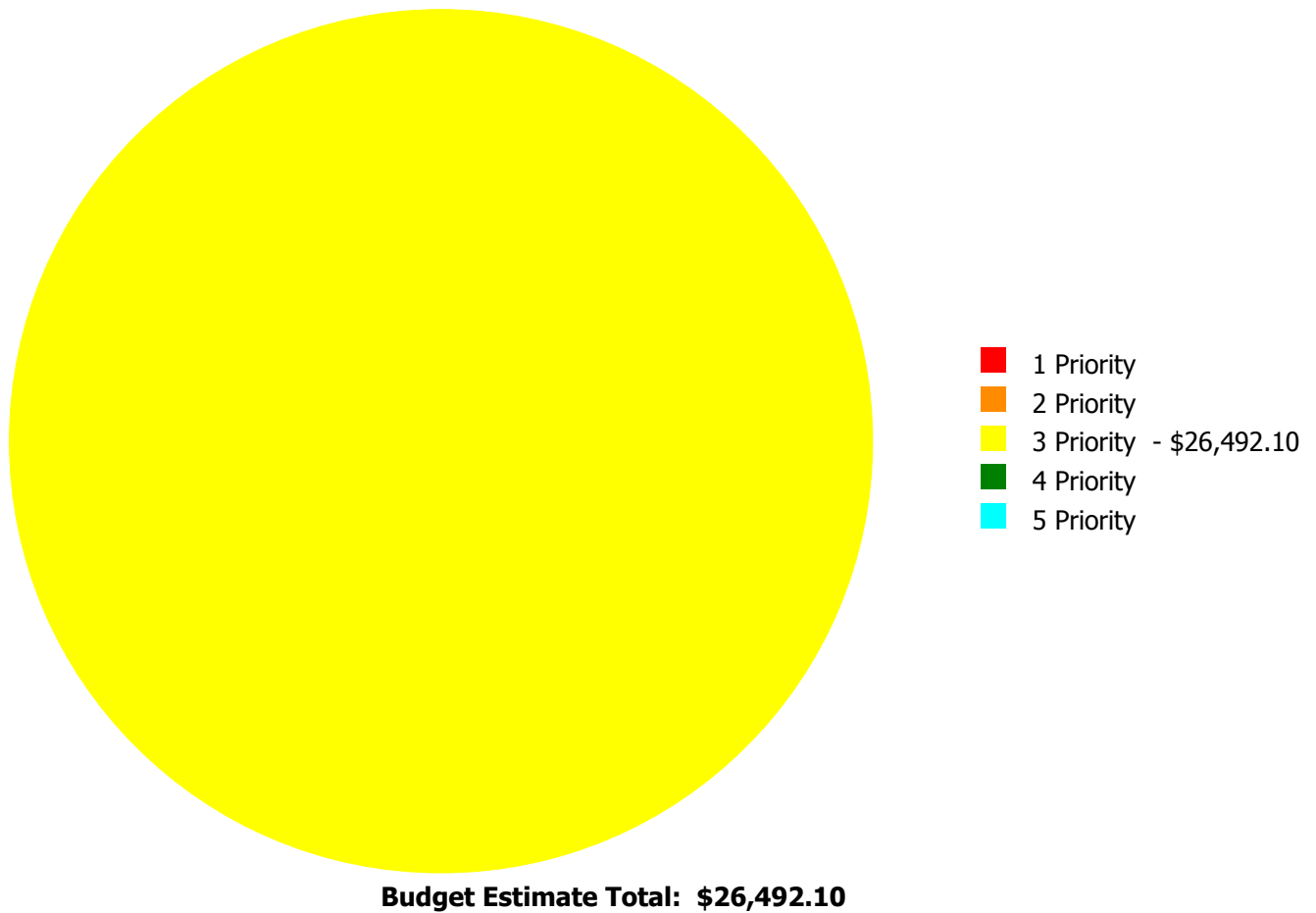
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart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



**Budget Estimate Total: \$26,492.10**

## Deficiency Summary by Priority

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



## Deficiency By Priority Investment Table

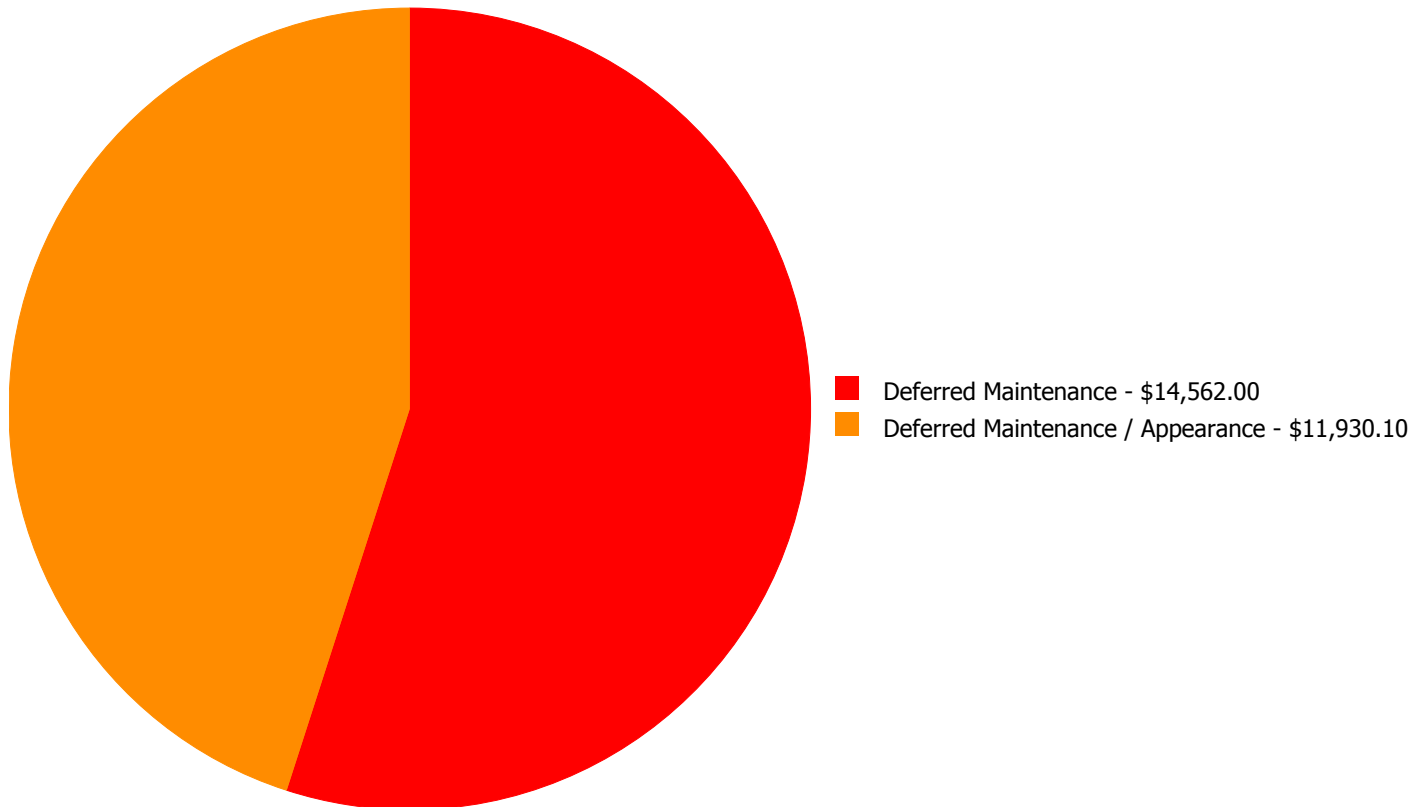
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **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
B2010	Exterior Walls	\$0.00	\$0.00	\$11,930.10	\$0.00	\$0.00	\$11,930.10
B2030	Exterior Doors	\$0.00	\$0.00	\$2,089.00	\$0.00	\$0.00	\$2,089.00
B3010	Roof Coverings	\$0.00	\$0.00	\$7,072.00	\$0.00	\$0.00	\$7,072.00
D5020	Lighting and Branch Wiring	\$0.00	\$0.00	\$5,401.00	\$0.00	\$0.00	\$5,401.00
	<b>Total:</b>	\$0.00	\$0.00	\$26,492.10	\$0.00	\$0.00	\$26,492.10

## 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: \$26,492.10**

## Deficiency Details by Priority

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

### Priority 3 Priority:

#### System: B2010 - Exterior Walls



**Location:** Exterior Walls

**Distress:** Damaged

**Category:** Deferred Maintenance / Appearance

**Priority:** 3 Priority

**Correction:** Repaint concrete block walls

**Qty:** 3,500.00

**Unit of Measure:** S.F.

**Estimate:** \$11,930.10

**Assessor Name:** Sam Mandola

**Date Created:** 08/31/2015

**Notes:** The exterior walls are stained and should be repainted.

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#### System: B2030 - Exterior Doors



**Location:** Exterior Wall

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 448.00

**Unit of Measure:** S.F.

**Estimate:** \$2,089.00

**Assessor Name:** Charles Gulley

**Date Created:** 05/04/2015

**Notes:** The exterior doors are beyond their service life and should be scheduled for replacement.

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## School Assessment Report - 1977 Storage Building

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### **System: B3010 - Roof Coverings**



**Location:** Roof

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 448.00

**Unit of Measure:** S.F.

**Estimate:** \$7,072.00

**Assessor Name:** Charles Gulley

**Date Created:** 05/04/2015

**Notes:** The asphalt roof covering is beyond its service life and should be scheduled for replacement.

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### **System: D5020 - Lighting and Branch Wiring**



**Location:** Throughout Building

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 448.00

**Unit of Measure:** S.F.

**Estimate:** \$5,401.00

**Assessor Name:** Charles Gulley

**Date Created:** 05/14/2015

**Notes:** The lighting and branch wiring system is beyond its expected service life and should be scheduled for replacement.

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

Function:	Non School Site
Gross Area (SF):	5,205
Year Built:	1977
Last Renovation:	2013
Replacement Value:	\$2,246,804
Repair Cost:	\$2,422,197.78
Total FCI:	107.81 %
Total RSLI:	0.51 %
FCA Score:	0.00



### Description:

The Panthersville Administrative site was originally constructed in 1977, has a total area of 18.4 acres, and is occupied by approximately 5,205 square feet of permanent building space. Campus site features include paved driveways and parking lots, pedestrian pavement, landscaping, a re-fueling canopy, 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: 1470

## 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	0.01 %	109.96 %	\$2,407,794.50
G30 - Site Mechanical Utilities	23.22 %	10.47 %	\$3,982.86
G40 - Site Electrical Utilities	12.13 %	54.40 %	\$10,420.42
<b>Totals:</b>	<b>0.51 %</b>	<b>107.81 %</b>	<b>\$2,422,197.78</b>

### Photo Album

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

- 1). Aerial Image of Panthersville  
Administrative - Aug 28, 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.	165,310	25	1977	2002		0.00 %	110.00 %	-13		\$940,117.97	\$854,653
G2020	Parking Lots	\$4.56	S.F.	288,193	25	1977	2002		0.00 %	110.00 %	-13		\$1,445,576.09	\$1,314,160
G2030	Pedestrian Paving	\$1.50	S.F.	5,205	30	1977	2007		0.00 %	109.99 %	-8		\$8,588.25	\$7,808
G2040	Baseball Field	\$8.35	S.F.		0				0.00 %	0.00 %				\$0
G2040	Canopies - Fueling Station	\$0.29	S.F.	2,400	25	2000	2025		40.00 %	0.00 %	10			\$696
G2040	Covered Walkways	\$48.72	S.F.		0				0.00 %	0.00 %				\$0
G2040	Fencing & Guardrails	\$0.91	S.F.	5,205	30	1977	2007		0.00 %	109.99 %	-8		\$5,210.21	\$4,737
G2040	Football Field	\$5.85	S.F.		0				0.00 %	0.00 %				\$0
G2040	Hard Surface Play Area	\$6.26	S.F.		0				0.00 %	0.00 %				\$0
G2040	Playing Field	\$3.92	S.F.		0				0.00 %	0.00 %				\$0
G2040	Soccer/Lacross Field	\$5.00	S.F.		0				0.00 %	0.00 %				\$0
G2040	Softball Field	\$8.86	S.F.		0				0.00 %	0.00 %				\$0
G2040	Tennis Courts	\$18.47	S.F.		0				0.00 %	0.00 %				\$0
G2040	Track	\$7.04	S.F.		0				0.00 %	0.00 %				\$0
G2050	Landscaping	\$1.45	S.F.	5,205	15	1977	1992		0.00 %	110.00 %	-23		\$8,301.98	\$7,547
G3010	Water Supply	\$1.83	S.F.	5,205	50	1977	2027		24.00 %	41.81 %	12		\$3,982.86	\$9,525
G3020	Sanitary Sewer	\$1.15	S.F.	5,205	50	1977	2027		24.00 %	0.00 %	12			\$5,986
G3030	Storm Sewer	\$3.55	S.F.	5,205	50	1977	2027		24.00 %	0.00 %	12			\$18,478
G3060	Fuel Distribution	\$0.78	S.F.	5,205	30	1977	2007	2020	16.67 %	0.00 %	5			\$4,060
G4010	Electrical Distribution	\$1.86	S.F.	5,205	50	1977	2027		24.00 %	0.00 %	12			\$9,681
G4020	Site Lighting	\$1.15	S.F.	5,205	30	1977	2007		0.00 %	110.00 %	-8		\$6,584.33	\$5,986
G4030	Site Communications & Security	\$0.67	S.F.	5,205	10	1977	1987		0.00 %	110.01 %	-28		\$3,836.09	\$3,487
<b>Total</b>									<b>0.51 %</b>	<b>107.81 %</b>			<b>\$2,422,197.78</b>	<b>\$2,246,804</b>

**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.

## School Assessment Report - Site

Inflation Rate: 3%

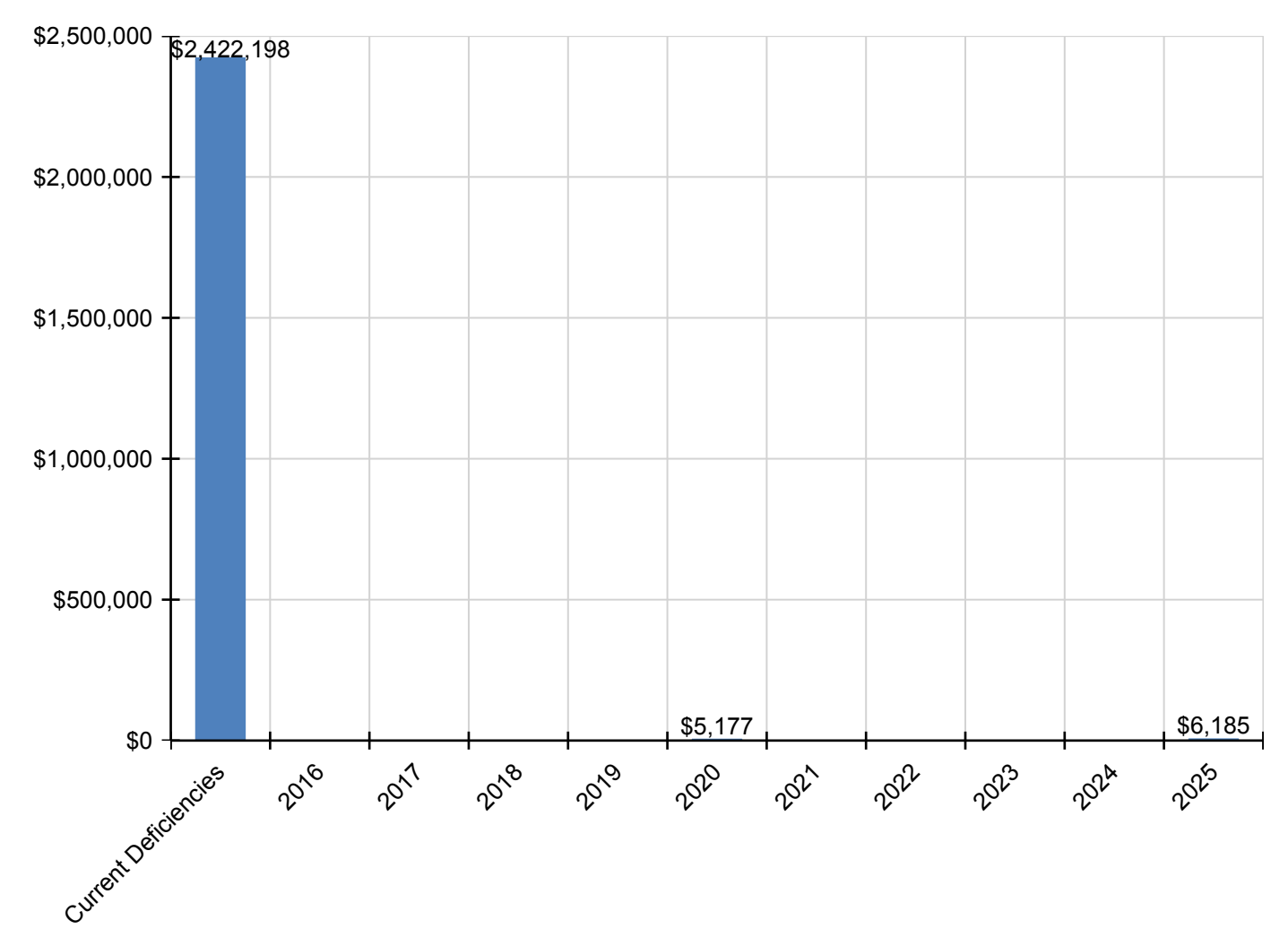
System	Current Deficiencies	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
<b>Total:</b>	<b>\$2,422,198</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,177</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,185</b>	<b>\$2,433,560</b>
G - Building Sitework	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G20 - Site Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2010 - Roadways	\$940,118	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$940,118
G2020 - Parking Lots	\$1,445,576	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,445,576
G2030 - Pedestrian Paving	\$8,588	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,588
G2040 - Baseball Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040 - Canopies - Fueling Station	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,029	\$1,029
G2040 - Covered Walkways	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040 - Fencing & Guardrails	\$5,210	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,210
G2040 - Football Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040 - Hard Surface Play Area	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G2040 - Playing Field	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$8,302	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,302
G30 - Site Mechanical Utilities	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G3010 - Water Supply	\$3,983	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,983
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	\$5,177	\$0	\$0	\$0	\$0	\$0	\$5,177
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	\$6,584	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,584
G4030 - Site Communications & Security	\$3,836	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,155	\$8,991

\* Indicates non-renewable system



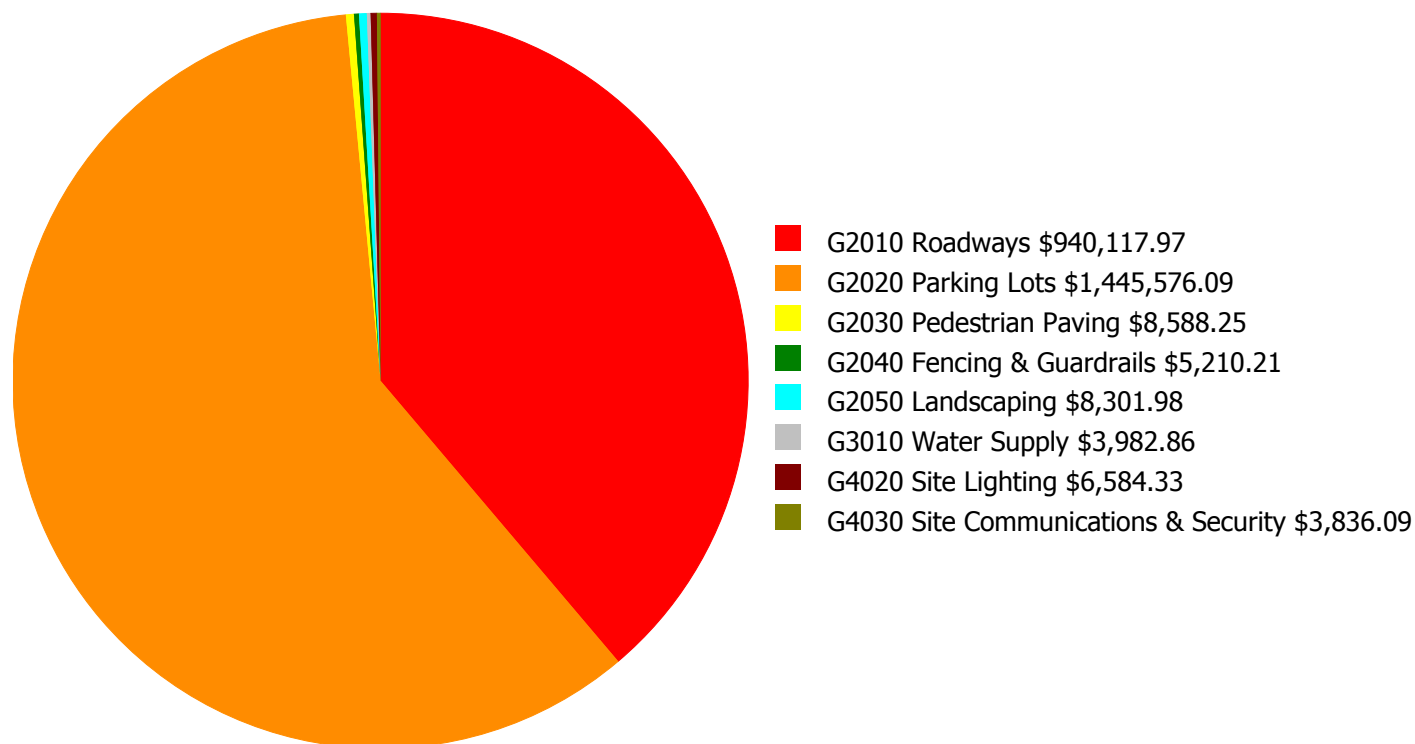
Forecasted Capital Renewal Requirement

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

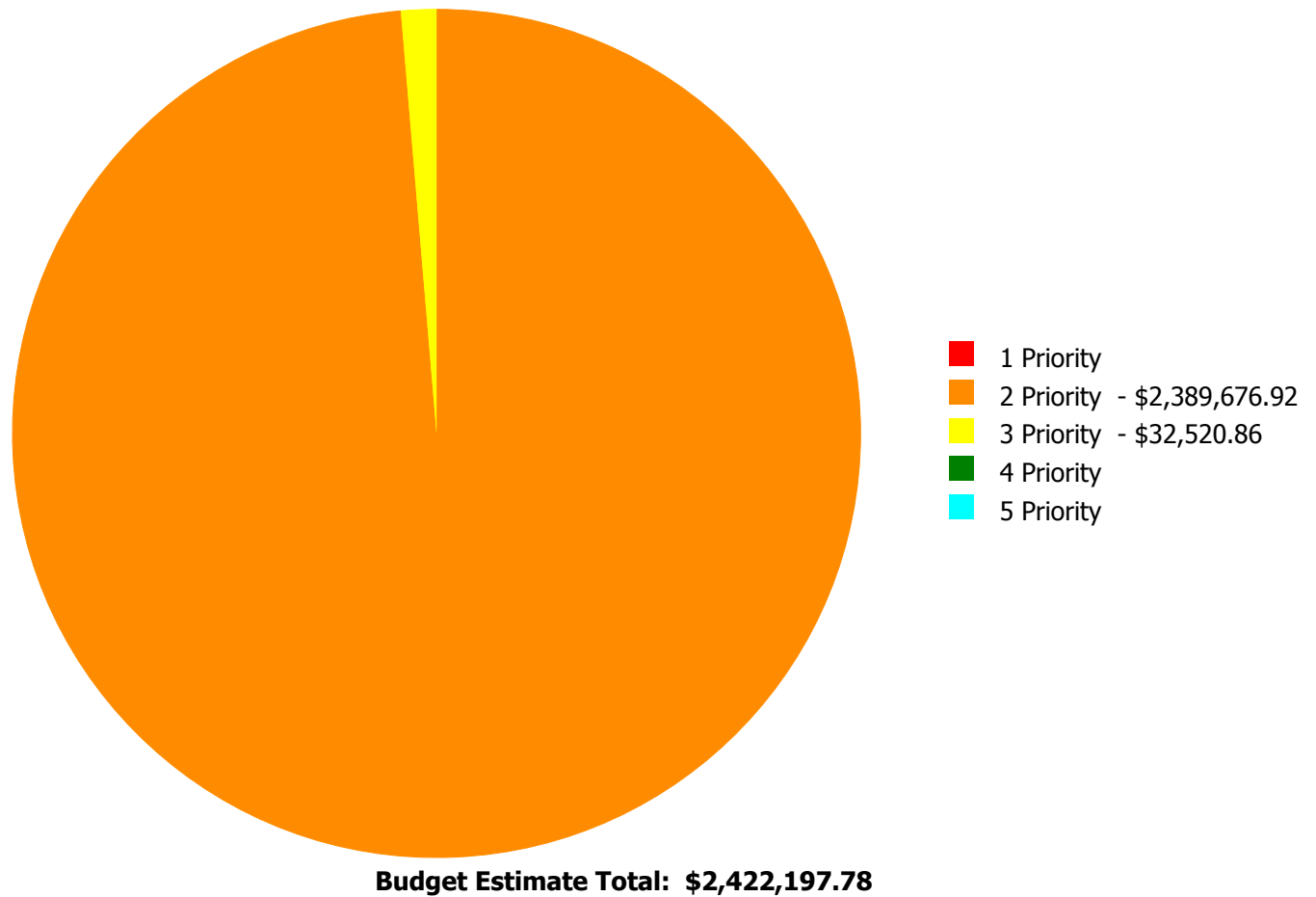
Current deficiencies include assemblies that have reached or exceed their design life or components of the assemblies that are in need of repair. Assemblies that have reached their design life are identified as current deficiencies and assigned the distress 'Beyond Service Life'. The following chart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



**Budget Estimate Total: \$2,422,197.78**

## Deficiency Summary by Priority

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



## Deficiency By Priority Investment Table

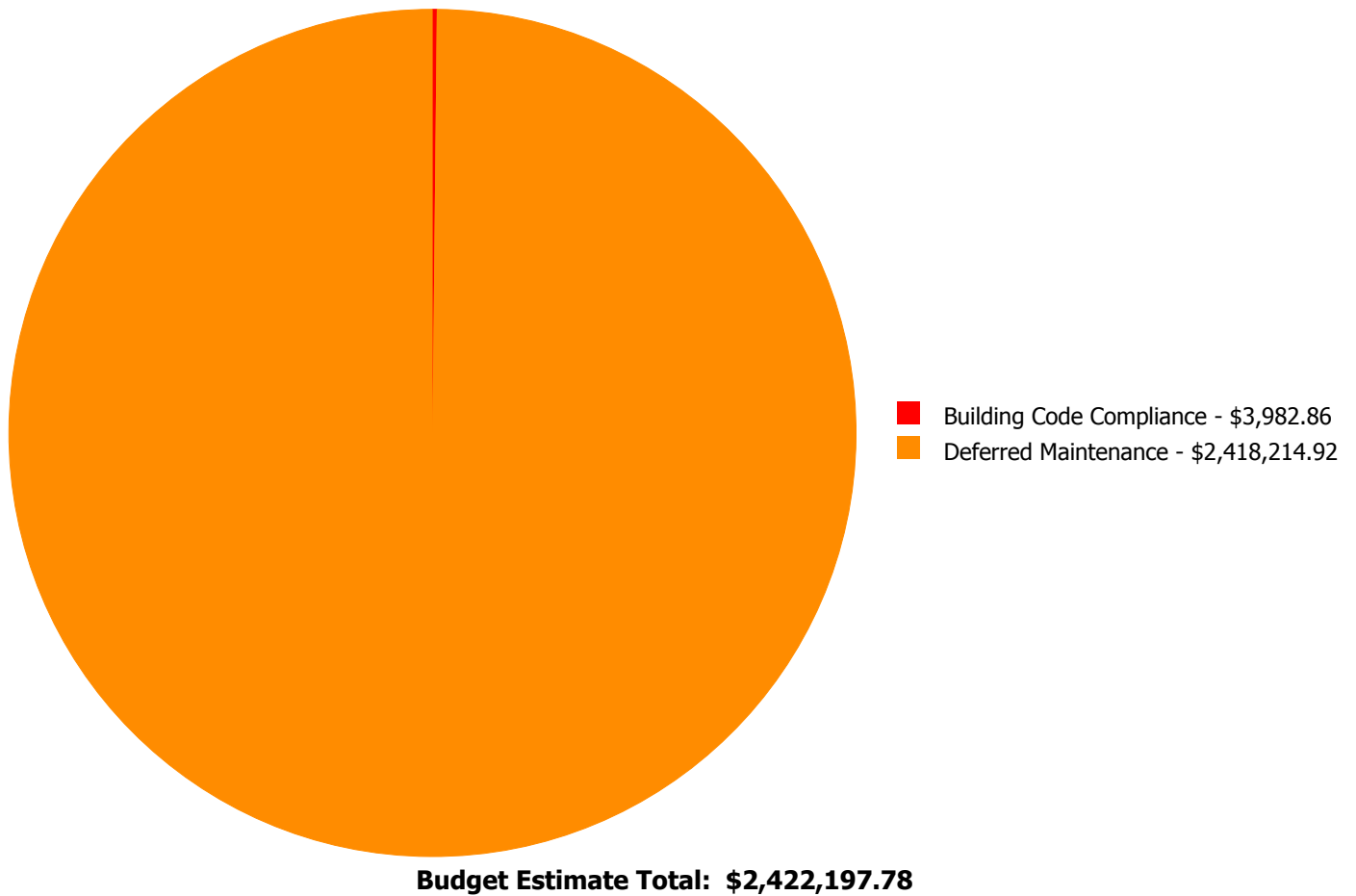
The table below shows the current investment cost grouped by deficiency priority and building system. Assessors assigned deficiencies within eCOMET to one of the following priority categories:

- **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
G2010	Roadways	\$0.00	\$940,117.97	\$0.00	\$0.00	\$0.00	\$940,117.97
G2020	Parking Lots	\$0.00	\$1,445,576.09	\$0.00	\$0.00	\$0.00	\$1,445,576.09
G2030	Pedestrian Paving	\$0.00	\$0.00	\$8,588.25	\$0.00	\$0.00	\$8,588.25
G2040	Fencing & Guardrails	\$0.00	\$0.00	\$5,210.21	\$0.00	\$0.00	\$5,210.21
G2050	Landscaping	\$0.00	\$0.00	\$8,301.98	\$0.00	\$0.00	\$8,301.98
G3010	Water Supply	\$0.00	\$3,982.86	\$0.00	\$0.00	\$0.00	\$3,982.86
G4020	Site Lighting	\$0.00	\$0.00	\$6,584.33	\$0.00	\$0.00	\$6,584.33
G4030	Site Communications & Security	\$0.00	\$0.00	\$3,836.09	\$0.00	\$0.00	\$3,836.09
	<b>Total:</b>	\$0.00	\$2,389,676.92	\$32,520.86	\$0.00	\$0.00	\$2,422,197.78

## Deficiency Summary by Category

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



## Deficiency Details by Priority

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

### Priority 2 Priority:

#### System: G2010 - Roadways



**Location:** Site

**Distress:** Damaged

**Category:** Deferred Maintenance

**Priority:** 2 Priority

**Correction:** Renew System

**Qty:** 165,310.00

**Unit of Measure:** S.F.

**Estimate:** \$940,117.97

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The roadways are damaged and failing, and should be scheduled for replacement.

#### System: G2020 - Parking Lots



**Location:** Site

**Distress:** Damaged

**Category:** Deferred Maintenance

**Priority:** 2 Priority

**Correction:** Renew System

**Qty:** 288,193.00

**Unit of Measure:** S.F.

**Estimate:** \$1,445,576.09

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The parking lots are buckled, damaged, and failing, and should be scheduled for replacement.

**System: G3010 - Water Supply**



**Location:** Site

**Distress:** Missing

**Category:** Building Code Compliance

**Priority:** 2 Priority

**Correction:** Add Backflow Preventer

**Qty:** 1.00

**Unit of Measure:** Ea.

**Estimate:** \$3,982.86

**Assessor Name:** Eduardo Lopez

**Date Created:** 08/31/2015

**Notes:** There are no backflow preventers for the potable water supply and one should be installed.

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**Priority 3 Priority:**

**System: G2030 - Pedestrian Paving**



**Location:** Site

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 5,205.00

**Unit of Measure:** S.F.

**Estimate:** \$8,588.25

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The pedestrian paving is beyond its service life and should be scheduled for replacement.

---

**System: G2040 - Fencing & Guardrails**



**Location:** Site

**Distress:** Damaged

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 5,205.00

**Unit of Measure:** S.F.

**Estimate:** \$5,210.21

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The site fencing is rusted, damaged in places, failing, and should be replaced.

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### **System: G2050 - Landscaping**



**Location:** Site

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 5,205.00

**Unit of Measure:** S.F.

**Estimate:** \$8,301.98

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The landscaping is showing wear, is beyond its expected service life, and should be scheduled for replacement.

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### **System: G4020 - Site Lighting**



**Location:** Site

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 5,205.00

**Unit of Measure:** S.F.

**Estimate:** \$6,584.33

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/04/2015

**Notes:** The site lighting is beyond its expected service life and should be scheduled for replacement.

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**System: G4030 - Site Communications & Security**



**Location:** Site

**Distress:** Beyond Service Life

**Category:** Deferred Maintenance

**Priority:** 3 Priority

**Correction:** Renew System

**Qty:** 5,205.00

**Unit of Measure:** S.F.

**Estimate:** \$3,836.09

**Assessor Name:** Eduardo Lopez

**Date Created:** 05/14/2015

**Notes:** The aerial service cable is beyond its expected service life and should be scheduled for replacement.

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## 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.

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Condition Index (CI) %	The Condition Index (CI) also known as the Remaining Service Life Index (RSLI) is calculated as the sum of a renewable system's Remaining Service Life (RSL) Value divided by the sum of a system's Replacement Value (both values exclude soft cost to simplify calculation updates) expressed as a percentage ranging from 100.00% (new) to 0.00% (expired - no remaining life).
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.

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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.



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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.

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